

ISLAMIC CULTURAL CENTER AND MUSEUM

A THESIS

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Architecture degree

By

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(39210048)**



**DEPARTMENT OF ARCHITECTURE
SCHOOL OF BUILDING AND ENVIRONMENT**

SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY (DEEMED TO BE UNIVERSITY)
Accredited with Grade "A++" by NAAC | 12B Status by UGC | Approved by AICTE
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600 119**

MAY - 2024



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DEPARTMENT OF ARCHITECTURE

BONAFIDE CERTIFICATE

This is to certify that Thesis Report is the bonafide work of **MOHAMMED AFREED(39210048)** who carried out the Thesis entitled "**ISLAMIC CULTURAL CENTER AND MUSEUM**" under our supervision from December 2023 to May 2024

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Submitted for Viva voce Examination held on 20.05.24.

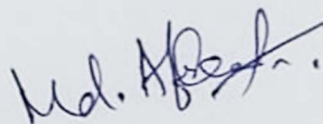
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DECLARATION

I, **MOHAMMED AFREED M** hereby declare that the Thesis Report entitled "Islamic Cultural Centre and Museum" done by me under the guidance of **Ar.Sarath C.Kanth** (Internal Guide), **Ar.Anitha** (Internal Review Member) and **Ar.Stanley Clement Daniel** (External Guide) Sathyabama Institute of Science and Technology is submitted in partial fulfillment of the requirements for the award of a Bachelor of Architecture Degree.

DATE: 20.05.24.



PLACE: Chennai

SIGNATURE OF THE CANDIDATE

ACKNOWLEDGEMENT

I am pleased to acknowledge my sincere thanks to Board of Management of **Sathyabama Institute of Science and Technology** for their kind encouragement in doing this thesis and for completing it successfully. I am grateful to them.

I convey my thanks to **Dr.Devyani Gangopadhy**, Dean and Head of the Department, School of Building and Environment, Our Design Chair **Ar Sarath C.Kanth**, Thesis Coordinator **Ar.Mohana Gopiraj** for providing me with necessary support and details at the right time during the progressive reviews.

I would like to express my sincere and deep sense of gratitude to my Thesis Internal guide **Ar.Sarath C.Kanth** , Internal Review member **Ar.Anitha** and External Guide **Ar.Stanley Clement Daniel**, their guidance, suggestions and constant encouragement which paved the way for the successful completion of my Thesis work.

I wish to express my thanks to all teaching and Non-teaching staff members of the **Department of Architecture**, all my family members.

MOHAMMED AFREED M

THESIS SYNOPSIS

This thesis delves into the multifaceted role of the Islamic Cultural Centre (ICC) in fostering interfaith dialogue and understanding within contemporary society. It begins by tracing the historical and cultural significance of Islamic centers globally, contextualizing ICC's emergence as a key institution in promoting cultural exchange and religious tolerance. Examining the socio-political landscape, the thesis explores the challenges and opportunities faced by ICC in navigating multiculturalism, religious pluralism, and globalization. It analyzes how ICC strategically addresses these complexities to cultivate an environment of peaceful coexistence and social cohesion.

Central to the thesis is an in-depth investigation of ICC's programming and initiatives aimed at promoting interfaith dialogue. From educational seminars and cultural events to community service projects, ICC's diverse activities serve as platforms for meaningful interactions and bridge-building between Muslims and non-Muslims.

Using a combination of qualitative interviews, surveys, and case studies, the thesis evaluates the impact of ICC's efforts on shaping perceptions and attitudes towards Islam and interfaith relations within the community. It explores the effectiveness of ICC's outreach strategies in fostering a more inclusive and tolerant society.

In conclusion, the thesis reflects on the broader implications of ICC's work and offers recommendations for future action. It underscores the vital role of continued dialogue, collaboration, and grassroots initiatives in promoting mutual respect and harmony, thus contributing to the fabric of a diverse and interconnected society.

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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

It is a Centre which houses a Place of worship for the Muslims and it is also a centre which caters to the Social and Community Activities for the Society. An Islamic Cultural Centre typically refers to an institution that serves as a focal point for various aspects of Islamic culture, education, and community activities. These centers play a crucial role in fostering a better understanding of Islam, promoting cultural exchange, and providing a space for religious, educational, and social events within the Islamic community and beyond.

1.2 NEED OF THE PROJECT

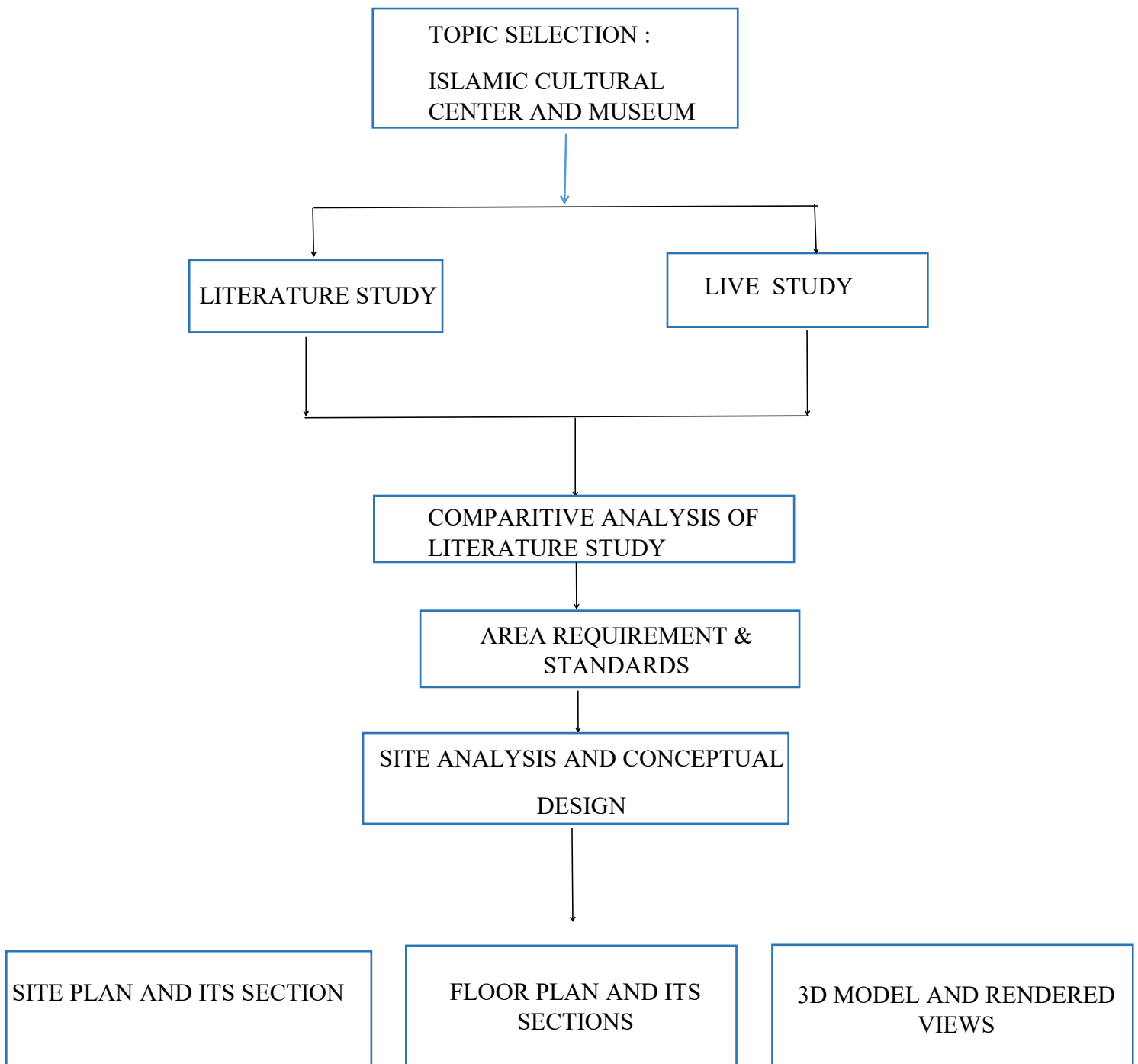
The Islamic Cultural Centre stands as a vital institution fostering understanding, unity, and community empowerment. Through interfaith dialogue, educational programs, and cultural events, it promotes tolerance and mutual respect. Serving as a hub for the Muslim community, ICC provides essential services, education, and outreach initiatives, bridging cultural divides and contributing to social cohesion. By preserving Islamic heritage, engaging in social services, and advocating for justice, ICC embodies the values of compassion and inclusivity, enriching both the Muslim community and society at large.

1.3 AIM AND OBJECTIVE

Foster tolerance, understanding, and community empowerment while promoting interfaith dialogue and cultural exchange.

- Facilitate Interfaith Dialogue.
- Provide Essential Services.
- Promote Education and Outreach.
- Bridge Cultural Divides.
- Preserve Islamic Heritage.
- Provide Social Services.
- Advocate for Justice.

1.4 METHODOLOGY



CHAPTER 2

LITERATURE CASE STUDIES

2.1 Da Chang Muslim Cultural Center

Architects: Architectural Design & Research Institute of SCUT

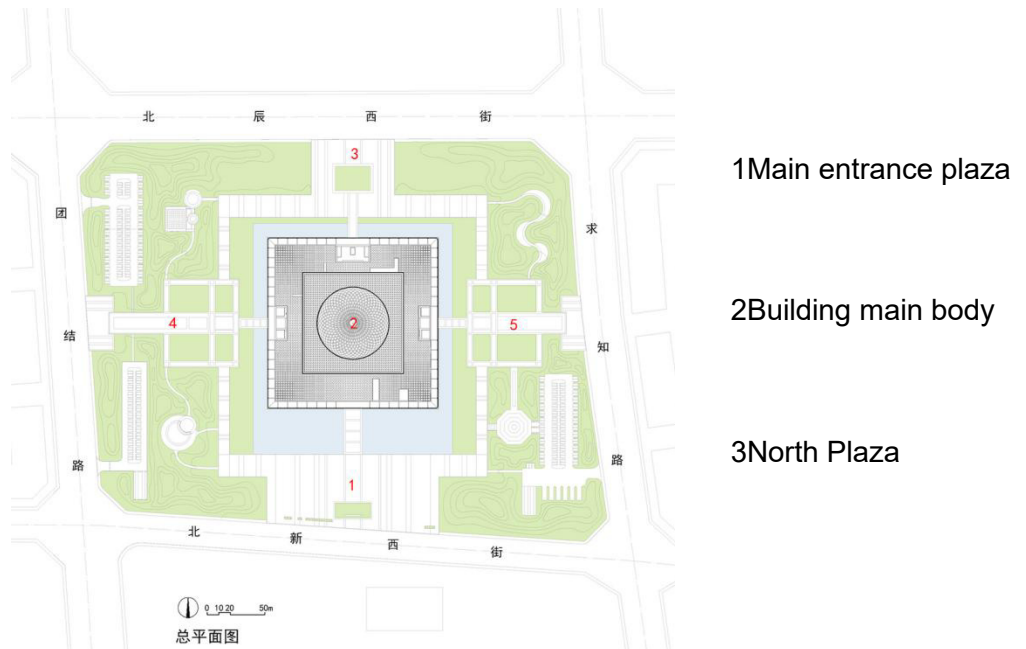
Area: 35000 m²

Year: 2015

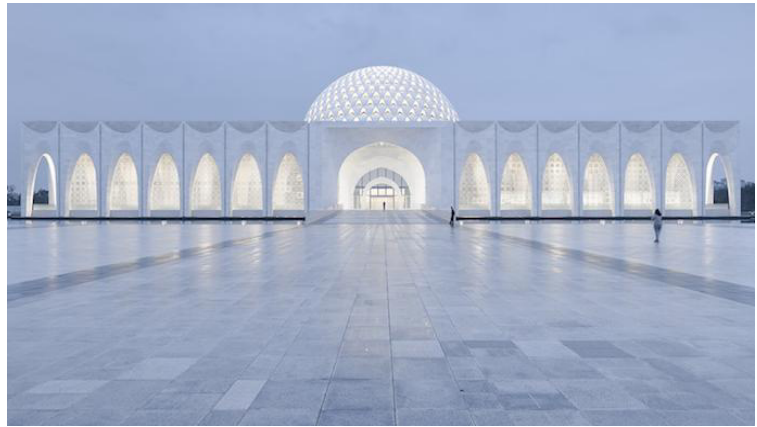
Interior Design: City group, Architectural Design & Research Institute of SCUT

2.1.1 SPACIAL ANALYSIS:

The Da Chang Muslim Cultural Center is a cultural complex in Dachang County, China, that was completed in 2015. The local government commissioned the center to improve the quality of life and revive Islamic culture in the Muslim enclave. The center combines the functions of a theater, convention center, exhibition space, and community center

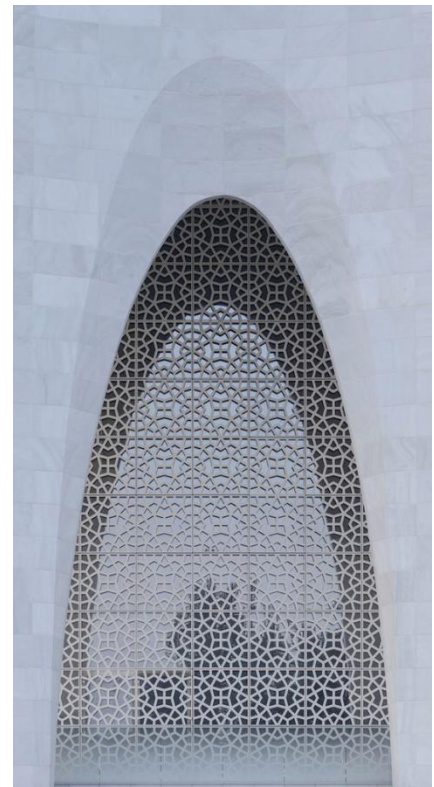
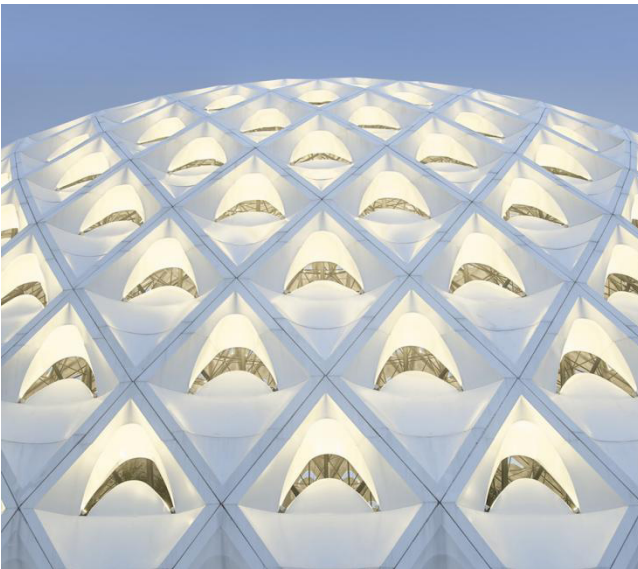
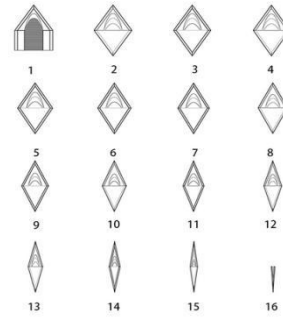
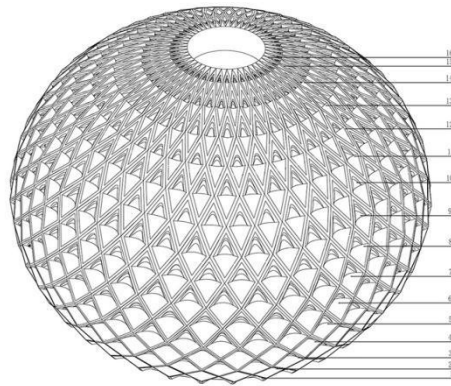


In the design of the project, Academician He Jingtang has also carried out his concept of “2 Views” and “3 Characters”, with the starting point of holistic view and sustainable development concept, fully considering regionalism, cultural, and epochal character of the architecture, therefore presents us an excellent design.

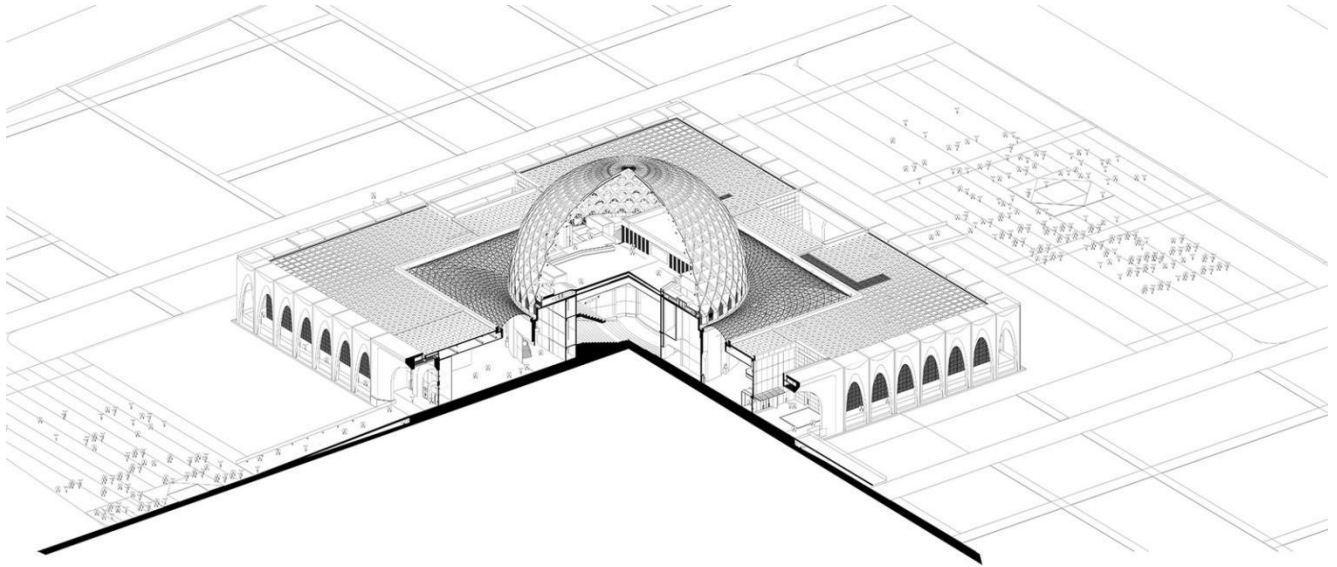


Based on traditional mosque, the building subtly interprets the spatial structure of mosque with new materials and technologies. The surrounding arches shrink into elegant curves from the bottom up, while the cambering petal-shaped arches of the reflection in the water look even more vivid and graceful. The dome sees the translation and abstraction of Islamic symbols rather than simple mimicking. We constitute the dome with petaloid shells and creatively transform the interior space into a semi-exterior roof garden flooded with sunshine, fresh air and vegetation.

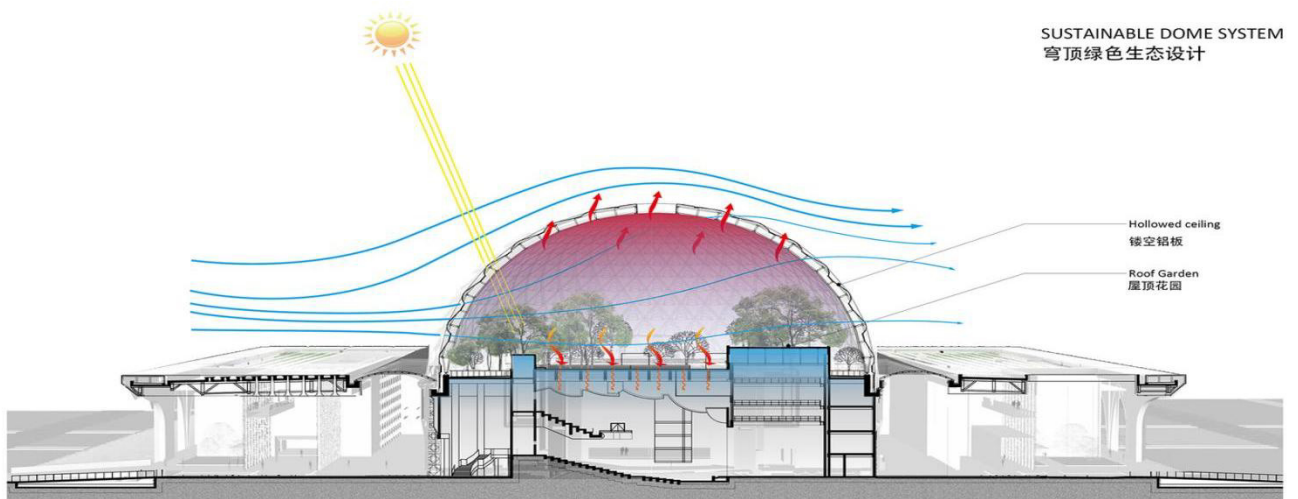
Units of the Dome



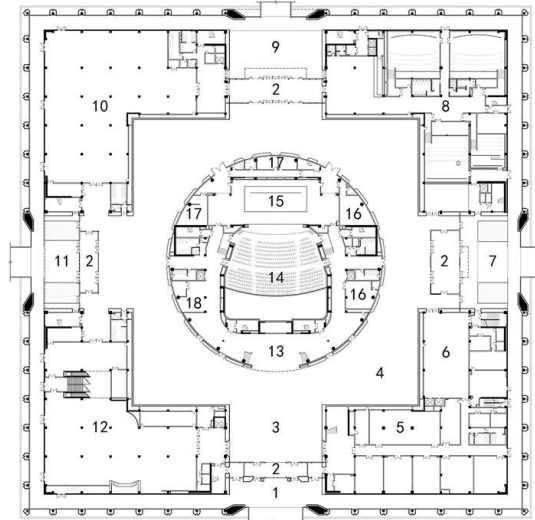
This is a poetic sanctuary that shows people both the brilliant Islamic culture and our vision for a better life. This is also a homelike cultural center that provides a spiritual home for local residents especially Muslims.



2.1.2 PLAN AND SECTIONS

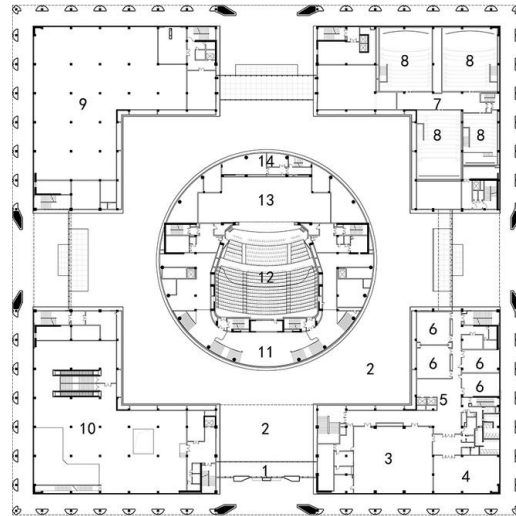


GROUND FLOOR PLAN



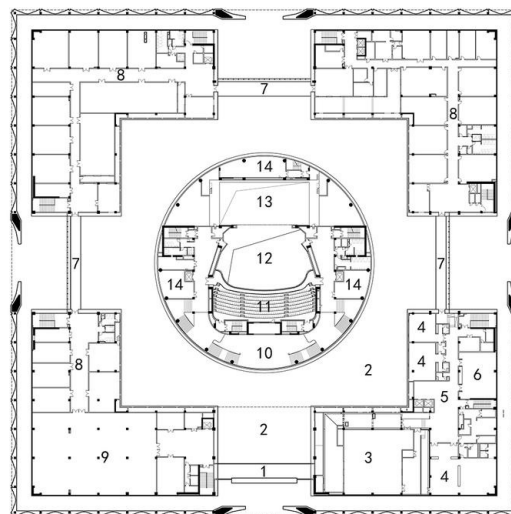
- 1 Conference Room Main Entrance
- 2 Vestibule
- 3 Main Entrance Lobby
- 4 Hall
- 5 Ethnic's Art and Culture Center
- 6 Lobby
- 7 Entrance
- 8 Screening Area
- 9 Back Entrance
- 10 Exhibition Room
- 11 Exhibition Entrance
- 12 Exhibition Room
- 13 Rest Area
- 14 Auditorium Seating
- 15 Stage
- 16 Lounge
- 17 Dressing Room
- 18 Kiosk

FIRST FLOOR PLAN



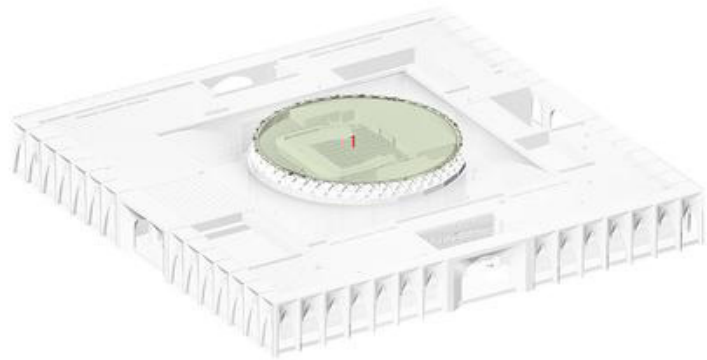
- 1 Void over Vestibule
- 2 Void
- 3 Multifunction Hall
- 4 Reception
- 5 Reception Area
- 6 Conference Room
- 7 Projection Room
- 8 Auditoriums
- 9 Void over Exhibition Room
- 10 Exhibition Room
- 11 Void
- 12 Auditorium Seating
- 13 Void over the Stage
- 14 Dressing Room

SECOND FLOOR PLAN



- 1 Void over Vestibule
- 2 Void
- 3 Storeroom
- 4 Conference Room
- 5 Reception
- 6 Waiting Room
- 7 Corridor
- 8 Offices
- 9 Children's Exhibition Room
- 10 Void
- 11 Auditorium Seating
- 12 Void over Auditorium Seating
- 13 Void over the Stage
- 14 Utility Room

1 COW ROOF GARDEN



1 OVER THE AUDITORIUM

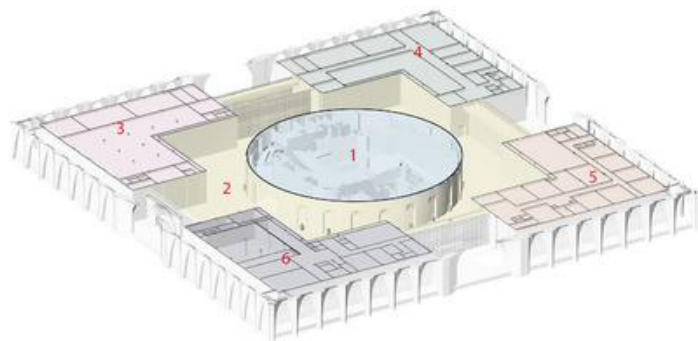
2 OVER THE FRONT HALL

3 CHILDRENS SCIENCE AND TECHNOLOGY CENTER

4 SENIOR CITIZEN ACTIVITY CENTRE

5 OFFICE

6 OFFICE



1 OVER THE AUDITORIUM

2 OVER THE FRONT HALL

3 ABOVE THE ECONOMIC DEV EXHIBIT CENTER

4 NATIONALIST CULTURE EXHIBIT CENTRE

5 ABOVE THE FILM AND TELEVISION CENTER

6 NATIONAL CULTURE AND ART CENTER



1 AUDITORIUM

2 FRONT LOBBY

3 ECONOMIC DEV EXHIBIT CENTER

4 ETHNIC HUMANITIES EXHIBIT CENTER

5 FILM AND TELEVISION CENTER

6 NATIONAL CULTURE AND ART CENTER



2.1.3 AREA STATEMENT

SPACES	TOT AREA[sqm]	NO.OF UNITS
CULTURE CENTRE	300	
LOBBY	300	
EXHIBITION ROOM-1	700	
EXHIBITION ROOM-2	800	
AUDITORIUM	500	
UTILITY ROOM	60	
DRESSING ROOM	50	
MULTIFUNCTIONAL HALL	400	
RECEPTION	170	
CONFERENCE ROOM	320	
PROJECTOR ROOM	680	
EXHIBITION ROOM-3	800	
STORE ROOM	360	
OFFICES	630	
CHILDRENS EXHIBITION ROOM	1050	

2.2 INDIA ISLAMIC CULTURAL CENTRE (IICC), NEW DELHI

Location: Lodhi Road, New Delhi, India

Architect: Ar.Bhalla,SKDAS Associated Architects

Interior Design: Mr. Arun Patwal

Client: India Islamic Cultural Centre

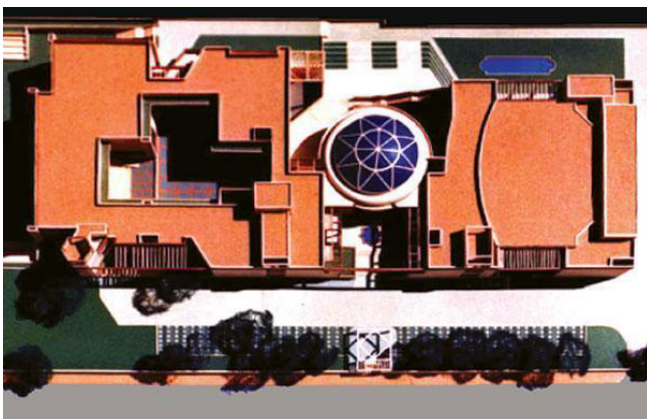
Commission: 1984(In 1980 Govt. of India allocated the land. The existing bungalow was demolished and foundation was laid in 1984)

Construction: 1996 – 2006

Site: 1.75 Acres

Zoning: Adjacent to Lodi Gardens.

Planning: Segregation of different spaces based on its use.



Architect : SKDAS Associated Architects

Total area : 7120 sq.m

Built up area : 5430 sq.m

Built up space : 24%

Open space : 76%

Why IICC?

- To promote mutual understanding and tolerance among the diverse citizens of India.
- To remove misunderstanding about Islam and its teachings.
- To promote an awareness of the ethos of Islamic Culture.
- To create a showcase to the foreigners about Islam in India.

TOTAL SITE AREA: 7120

F.A.R: 0.78

COVERAGE: 28%

MATERIALS OF CONSTRUCTION:

- Brick and Concrete.
- Sandstone cladded exterior walls.
- Marble interior flooring lined with granite (Reduce heat gain).

MASSING/SPATIAL ORGANISATION:

- Physically linked by level difference.
- Visually linked through flow of one space into another





STRUCTURAL SYSTEM:

- For shorter spans, R.C.C 500X500mm columns spanning a distance of about 4m.
- For larger spans 800mm dia columns of R.C.C spanning 6m and also supports the central dome with a cylindrical base.



LIGHTING AND VENTILATION:

- Lobby and common facilities- centralised A.C.
- Hostel Block rooms open into the courtyard creating microclimate.
- Banquet hall opens into the courtyard for expansion, lighting and ventilation.

OPEN SPACES:

- Capacity: 500 persons.
- Western side is used as a space for hosting marriage parties.
- This space is adjacent to the banquet hall and kitchen facilitating food service.

SURROUNDING AND SERVICES:

- The building has a separate entry for services.
- AHU Condensers (with an evaporating unit at the top) and other building services are kept in the basement floor.
- Fire Exits at every 35m.

PARKING FACILITIES:

- Within the site there are 8 bays for car parking in the front setback.
- Other parking is given at a site adjoining on the rear side (shared parking facility by IICC and its surrounding buildings).

LANDSCAPE:

- Pruned shrubs on walls.
- Setback with ground covers and fountains.
- Stone tiled paved walkways around the site.

USER BEHAVIOR AND REQUIREMENT

- The centre was originally conceived as a forum where people from various religious backgrounds could meet up and hold dialogues. However, it is now functioning as an elitist centre catering only to members, who are mostly Muslims. It is a private NGO organisation.

USER BEHAVIOR AND REQUIREMENT

- The centre was originally conceived as a forum where people from various religious backgrounds could meet up and hold dialogues. However, it is now functioning as an elitist centre catering only to members, who are mostly Muslims. It is a private NGO organisation.

SOCIO-ECONOMIC PROFILE OF USER GROUP

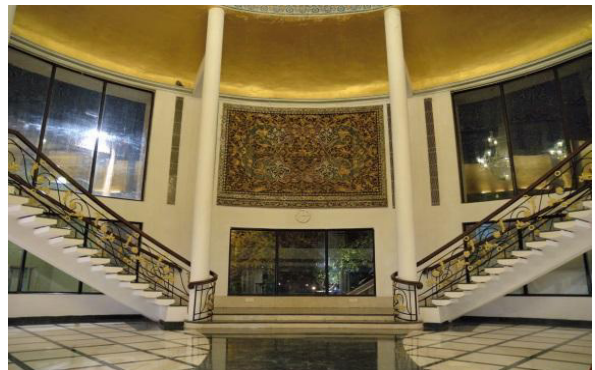
- Mostly upper class people from all over India (predominantly from the North).
- Only people invited by the members of the Institution can attend any function held there.

WAITING AREAS

- These are tucked away in the corners reflecting its lesser importance.
- Raw seating and a coffee table is provided in these areas.

PRAYER HALLS

- These are located on the rear side of the building.¹⁶
- Separated halls are provided for men and women on different level.
- Common ablution facilities are provided.
- Area : 73sq.m
- Capacity : 100(Men's Hall)
- Flooring: Dark Green Granite.
- Women's prayer hall has an opening to the central atrium _ affects privacy.
- Entry opens to the outside – creating a sense of openness, freedom and informality.



- There is no ornamentation or decorations of any sort.
- The stainless steel handrails and glass doors add to the modern feel.
- Natural light is brought inside through various openings.



A 300 Seater of Amphitheatre



Event happening near the OAT which opens toward the Lodhi Garden



Event Happening in the courtyard of the residential block

LOBBY

- Underside of the dome is inscribed with Arabic calligraphy and a large chandelier is hung from the centre giving the dome the central point.
- Spotlights are used in all common spaces imparting a warm, luxurious feel to the interiors.
- The materials used for finishing are of high quality and luxurious reflecting the standards of the patrons who visit it.

Drawbacks: A visitor's attention is drawn to the domes space rather than the reception

LIBRARY

- The library is in two levels.
- The upper level has the reading area while the lower level has the stack area.
- Currently there is a collection of 5000 books

Basement area: 95sq.m

Ground floor area: 95 sq.m

- The floor of the reading room is carpeted which keeps noise levels down.
- The shelves and furniture are of wood
- The reading area is well lit using ample natural light.



Drawbacks: Minimum two people required always.

Librarian is in the lower level.

Separate issue counter next to entrance required.

AUDITORIUM

- Capacity: 300 persons.
- Area: 485sq.m
- Seating area: 360 sq.m
- Grey carpet
- Mostly wood finish for the walls and ceilings.
- Light grey fabric covering for upper part of walls.
- Green Room: Two Green Rooms.
- Stage Size: 32 X 24 ft.



- Space per person: 1.2 sq.m
- Rubberised vinyl flooring minimises sound.
- Dim lighting is provided using spotlights and cove lights.
- Utilising the Space Outside the Auditorium --Counters for registration and exhibition could be placed in the lobby outside the auditorium.
- Conferences, seminars, lectures, theatres, and film screenings are examples of programme types.
- & various Cultural activities etc. can be organized.

BANQUET HALL

- It is used for Iftar parties, banquets, Friday prayers and special prayers.
- It is situated on the basement floor.
- Capacity: 250.

Area: 80 sq.m

Space per person: 0.32sq.m

- Natural daylighting is ensured through frosted glass opening to the rear of the building.
- The whole area is air conditioned.
- The space is purely functional with no decorations or embellishments.
- The floor is done using grey tiles.

The central space is highlighted using a stepped ceiling, which serves for cove lighting.19



- Rims of the stepped ceiling are painted golden to bring out steps emphasizing the location of the halls.

GOLDEN COURTYARD

- It is used for Iftar parties, banquets, Friday prayers and special prayers.
- Capacity: 75.



AMPHITHEATRE

- Activities: Alumni get together, Banquet Parties, Reception Dinner, Birth Day Parties etc.
- Capacity: 200.



CONFERENCE HALLS

- Activities: Talks, Seminars, Conferences.
- Capacity: 45 persons and 85 persons (Fixed seats).
- Area: 47sq.m and 87 sq.m .
- There are fully air conditioned designs mostly in lecture hall style with podiums.



COFFEE SHOP

This exclusively serves the members of the centre.

- It has its own kitchen.
- It has an area of 82 sq.m and seats 48 persons at a time.

Space per person: 2.05 sq.m

- Wood panelling used for walls, columns and counters.
- Differentiated spaces by the colour of ceiling, with white above seating area and maroon above service and counter areas.
- There is ample space to move around and with wooden-glass partitions.
- Flooring is done with white vitrified tiles – easy to clean.
- Day lighting ensured through one wall at one end.
- Ornate light fixtures used to create an antique feel.
- The kitchen has an area of 20 sq.m



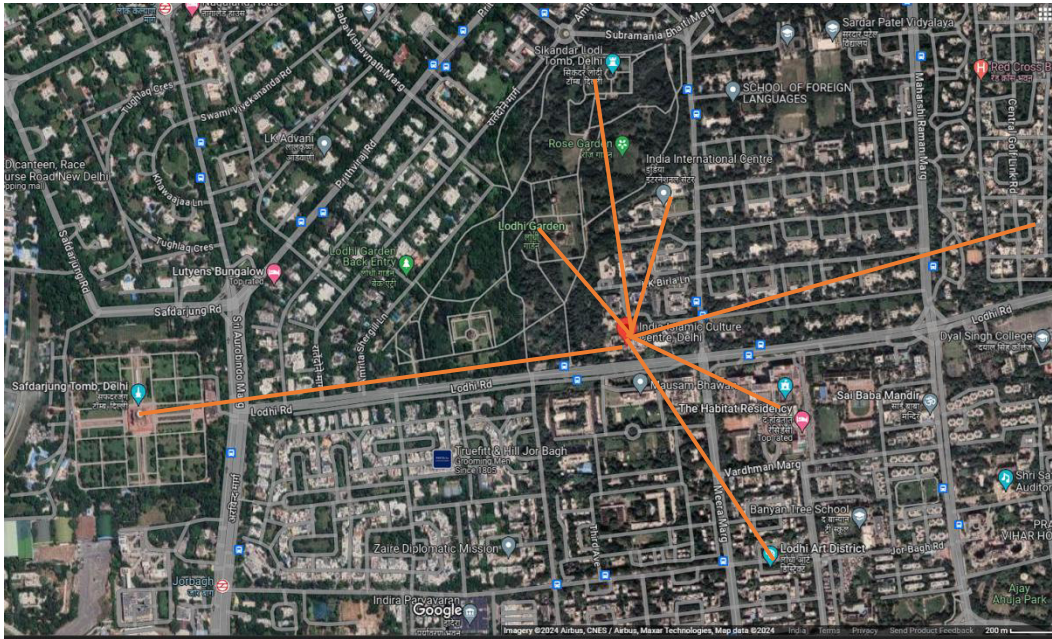
RESTAURANT

- Capacity: 78 diners can be accommodated in the main area.
- Private Dining Room with a seating capacity for 12 persons.
- Couches as well as chairs have been provided as seating.



BOARD ROOM

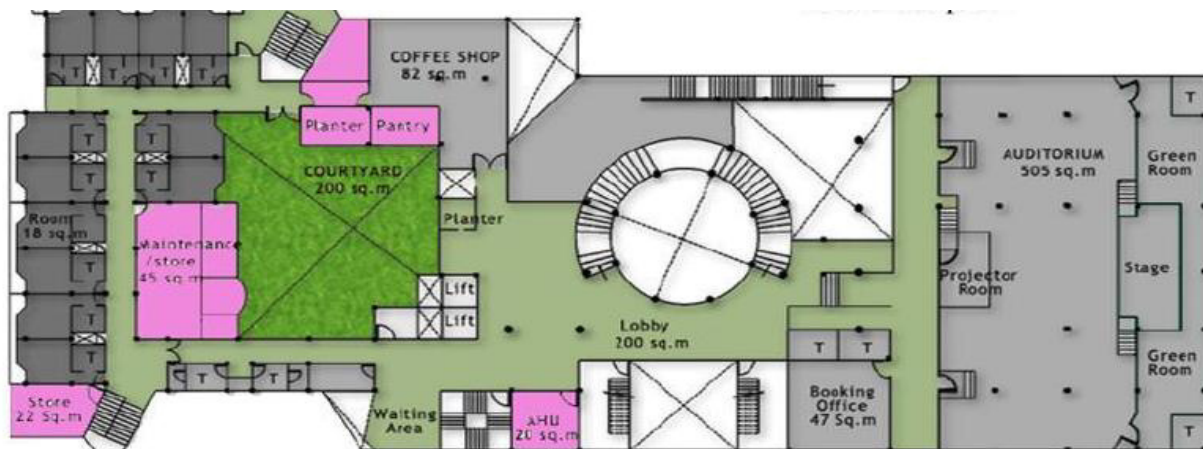
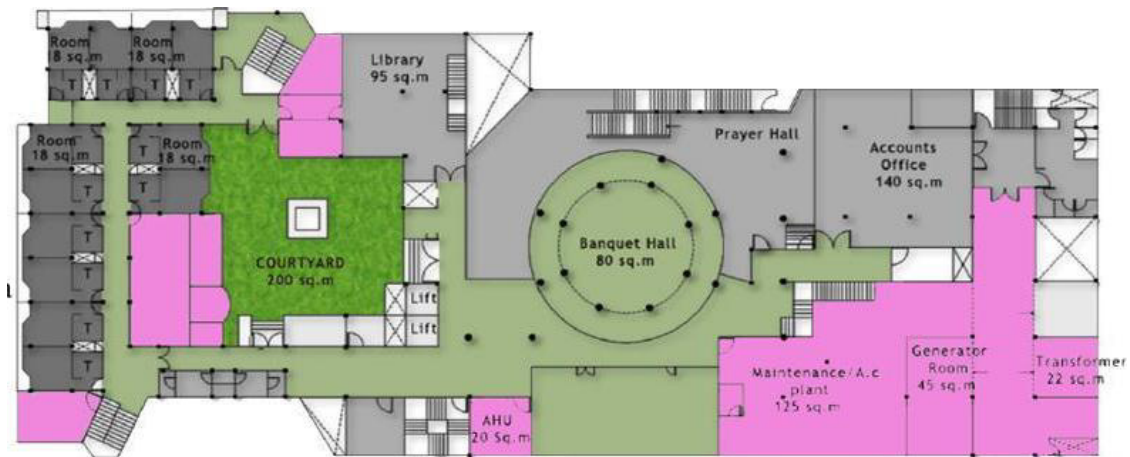
- Capacity- 16 persons (Fix Seats).
- Activities: Workshops, Meetings and Arbitrations



SURROUNDINGS OF IICC

1. SAFDARJUNG TOMB
2. SIKANDAR LODI TOMB
3. INDIA HABITAT CENTRE
4. HUMAYUNS TOMB
5. INDIA INTERNATIONAL CENTRE
6. LODHI GARDENS
7. NATIONAL MUSEUM DELHI
8. BARBERS TOMB
9. INDIA GATE

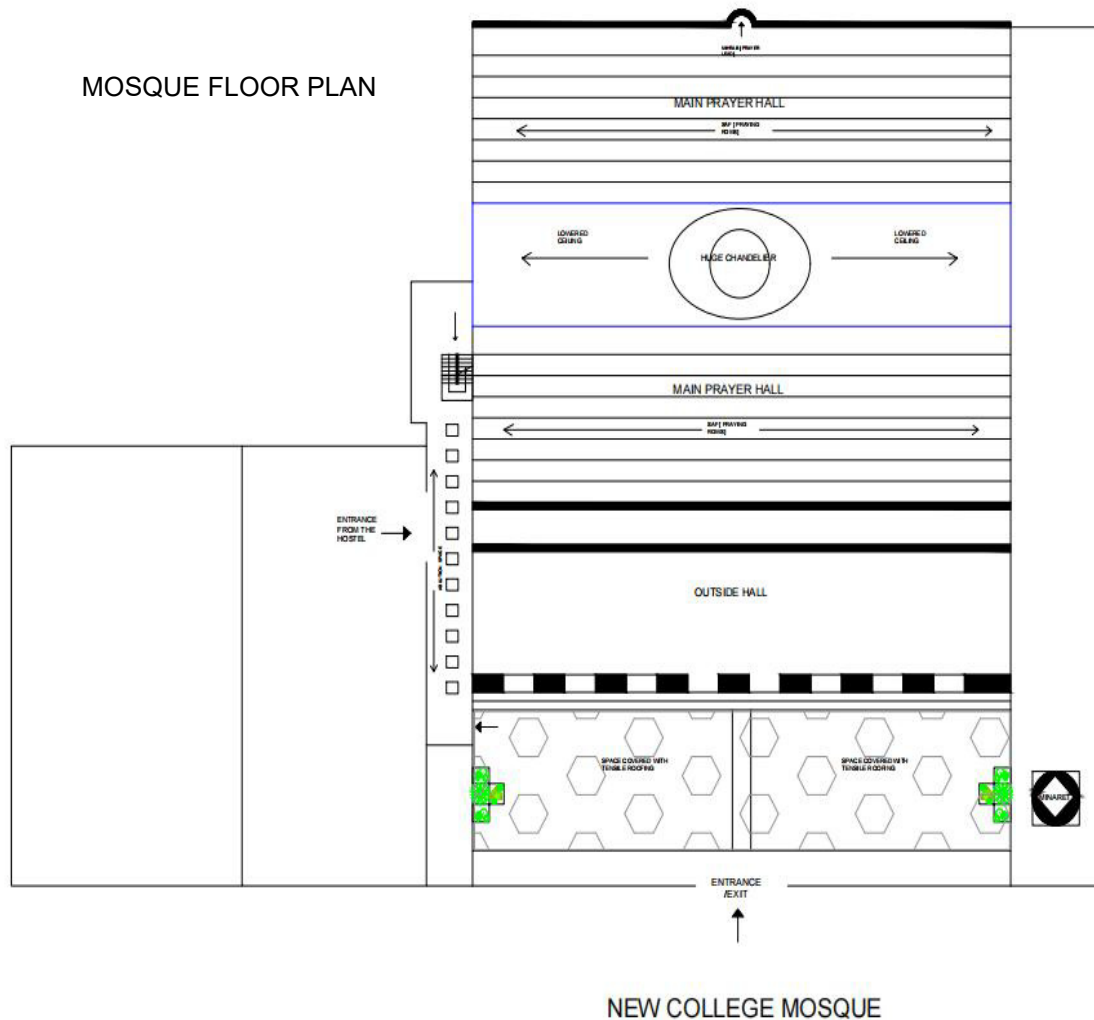
FLOOR PLANS : SEMI BASEMENT , GROUND FLOOR PLAN & FIRST FLOOR PLAN



2.2.2 AREA STATEMENT

SPACES	TOT AREA[sqm]	NO.OF UNITS	CAPACITY
LIBRARY	95	2	190
BANQUET HALL	80		
GENERATOR ROOM	45		
COFFEE SHOP	82		
LOBBY	200		
TRANSFORMER	22		
BOOKING OFFICE	47		
ACCOUNTS OFFICE	140		
MAINTENANCE STORE	45		
MAINTENANCE PLANT	125		
COURTYARD	200		
BED ROOMS	648	36	
AUDITORIUM	505		
WAITING AREA			
PRAYER HALL	73		100
RESTAURANT	188		90
AMPHITHEATRE			200-250

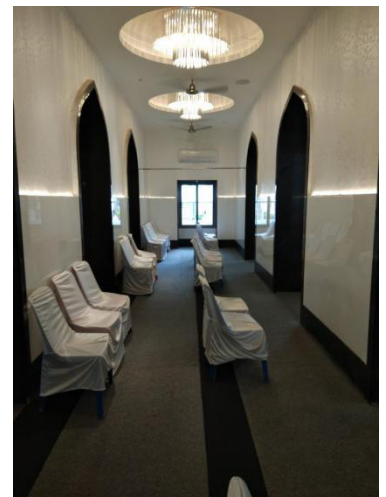
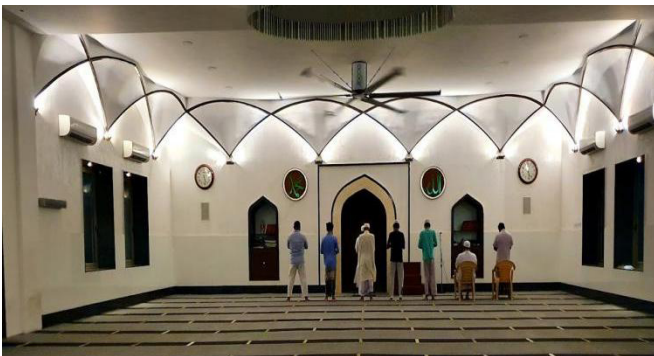
2.3 LIVE STUDY : NEW COLLEGE MOSQUE



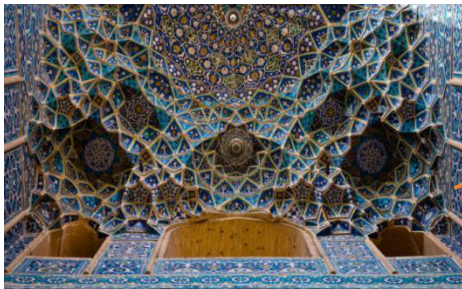
Situated in Chennai's New College campus, the New College Masjid is one beautiful construction which evokes **memories of glorious Mughal times**. Mostly **students** come to this mosque, the reason being its location. During Eid and Ramadan, this structure resembles a resplendent gem for all to see. With a **mixture of white and teal**, the mosque has a single but elegantly designed **tall minaret**, that dominates much of the Chennai skyline, and is a sight to behold once twilight descends upon this magical city.

ELEMENTS FOUND IN THE MOSQUE

- MINARETS
- ARCHES
- MIHRABS
- MUQARNAS
- MASHRABIYAS



HOW SOME OF THE ELEMENTS ARE MODIFIED AND APPLIED WITH ITS FEATURES

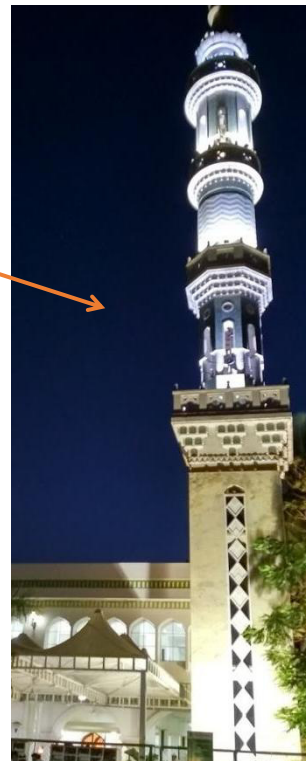


MUQARNAS



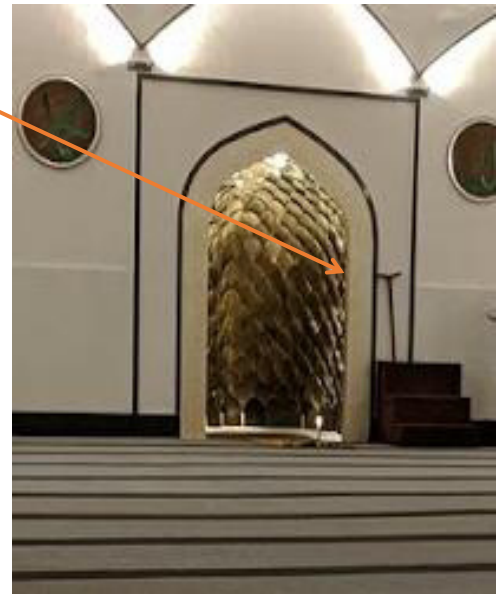
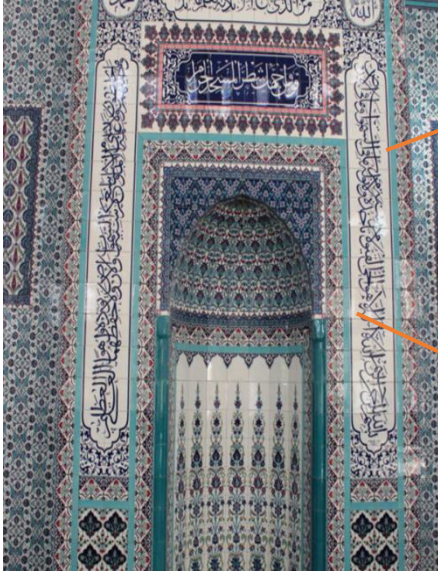
- ONE MIGHT THINK THAT AS A GLASS IN THE FIRST GLANCE, BUT IF YOU HAVE A CLOSER LOOK , THEY ARE MOULDED TO THAT SHAPE .
- THEIR EDGES ARE ATTACHED WITH A SPOTLIGHT GIVING IT A SENSE OF REFLECTION TO THE HALL.
- THESE DIAMOND SHAPED MUQARNAS SURROUNDS THE WHOLE HALL AREA.

MINARETS



- THE MINARETS ARE ATTACHED WITH GLASS GLAZINGS AND SPOTLIGHTS.
- THEY REFLECT THE WHOLE TOWER DURING THE NIGHT TIME GIVING IT A COOL SENSE.

MIHRABS



- THE MIHRABS ARE SHAPED AND EMBEDDED INTO SHELL SHAPED FIBRES.
- WHEN REFLECTED , IT GIVES A GOLDEN GLOW MAKING IT A UNIQUE PLACE TO FACE AND PRAY TO THE IMAM .

JAALI



PROS

A NICE PLACE WITH A LOT OF LANDSCAPE AND GREEN COVERING.
HAS MANY ISLAMIC ELEMENTS APPLIED TO IT
MOST OF THE BUILDINGS ARE WELL MAINTAINED ,
THE SURROUNDING GIVES A PEACEFUL FEELING,

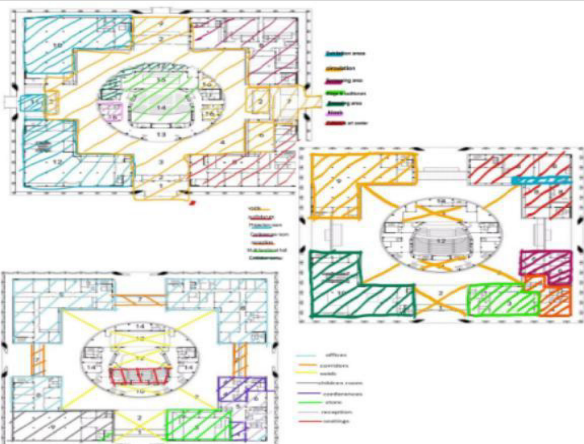
CONS

SOME BUILDINGS ARE NOT MAINTAINED WHICH LACKS THE BALANCE BETWEEN OTHER BUILDINGS
GIVE MORE SPACES TO WOMEN INCLUDING A PLACE TO PRAY DURING RAMADHAN.
RESTRICTION TO HOSTEL STUDENTS TO THE AUDITORIUM DURING THE MARRIAGE HOURS.

CHAPTER 3

COMPARITIVE ANALYSIS

3.1 COMPARITIVE ANALYSIS

NO	PARAMETER	CASE STUDY-1	CASE STUDY-2
1	PROJECT	INDIAN ISLAMIC CULTURAL CENTRE	DA CHANG MUSLIM CULTURAL CENTRE
2	LOCATION	Lodhi road, New Delhi	Dachang County, Hebei Province, China
3	ARCHITECT	SKDAS Associated Architects	Architectural design and research of SCUT
4	SITE AREA	7120 sq.m	35000 sq.m
5	BUILT UP AREA/ COVERAGE	5430 sq.m	N/A
6	YEAR	1996 – 2006	2015
7	ENTRY	There are 3 main entries in the south side and e 2 service entries in the north side	The site has Main entrance plaza,Building main body,North Plaza,West Plaza, East Plaza.
8	WHY WAS IT BUILT FOR ?	The India Islamic Cultural Centre (IICC) aims to promote mutual understanding and peace among people in India. The IICC also aims to depict Islam as a tolerant and progressive religion that is open to all.	To revive the Islamic culture and improve the quality of culture life
9	WHO WAS IT BUILT FOR ?	To create such an institution which could promote understanding amongst people of different religions and help the cause of National integration	The Dachang Muslim Cultural Center was commissioned by the local government for the Muslim community of Dachang County, which is located to the east of Beijing in China's Hebei Province.
10	CIRCULATION		
11	AMENITIES	BANQUET HALL ,COFFEE SHOP, MAINTENANCE STORE, COURTYARD,BED ROOMS,AUDITORIUM, PRAYER HALL ,RESTAURANT,AMPHITHEATRE	CULTURE CENTRE , EXHIBITION ROOM-1&2&3,AUDITORIUM,UTILITY ROOM,DRESSING ROOM,MULTIFUNCTIONAL HALL,CONFERENCE ROOM, STORE ROOM ,OFFICES,CHILDRENS EXHIBITION ROOM.
12	CONCEPT	N/A	He Jingtang has also carried out his concept of "2 Views" and "3 Characters", with the starting point of holistic view and sustainable development concept, fully considering regionalism, cultural, and epochal character of the architecture, therefore presents us an excellent design.
13	ARCHITECTURAL STYLE	Islamic Architecture	Traditional Islamic architecture with modern construction methods and materials.
14	MATERIAL	Brick and concrete,Red sandstone clad exterior, Marble interior flooring with granite lining	It is made of hundreds of petaloid shells.The center also uses mill finished copper, metal cladding, and panel systems
15	PROGRAM	Literary programs, sham-e-ghazal, qawwali, Sufi sangeet, dance drama, and theater	N/A
16	INFERENCE	#Place where different cultural events happen. #Not just catering to muslim community but to everyone. #Placed in the prime location of the city.	This centre plays a major role in creating awareness about the muslim culture to the chinese society.It also has more Islamic Style used in the building to define it.

CHAPTER 4

AREA STATEMENT & STANDARDS

4.1 AREA STATEMENT

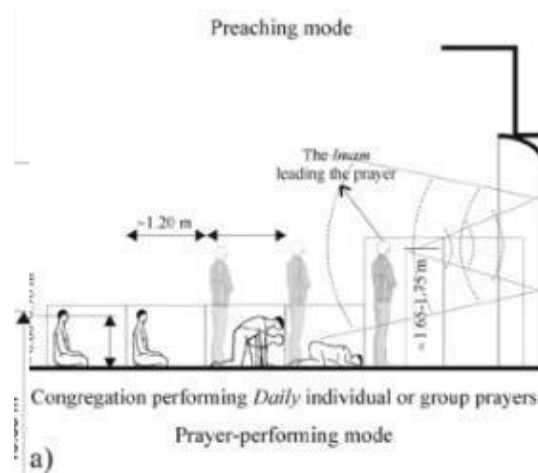
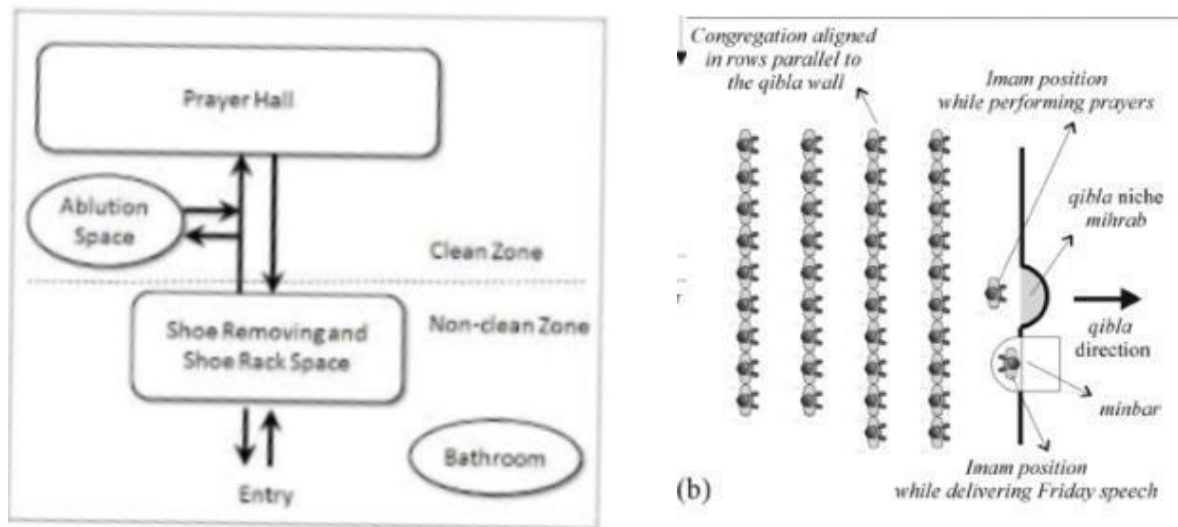
MOSQUE[1500MEN+500WOMEN]					
FACILITIES	REQUIREMENTS	STANDARDS	AREA[sqm]	NO.OFUNITS	TOTALAREA[sqmt]
PrayerHall[Men]	1500 people	0.9sqmtperperson[0.6x1.5m]	0.9		1850
PrayerHall[women]	400 people	0.9sqmtperperson[0.6x1.5m]	0.9		420
MuezzinRoom	1 person		25	1	25
ImamRoom	1person		25	1	25
Counselling Room			25	1	25
AblutionPool			105	1	105
MensAblutionArea		25persons/tap			74
WomensAblutionArea		25persons/tap			40
MensRestRoom		25person/WC			75
WomensRestRoom		25person/WC			60
StoreRoom			20	1	20
ShoeRack			30	1	30
Circulation					
				TOTAL	2750

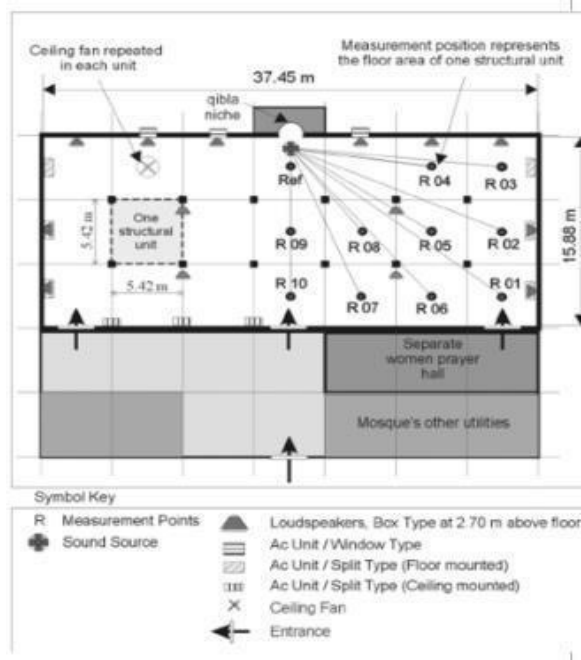
CULTURAL CENTRE & MUSEUM					
FACILITIES	REQUIREMENTS	STANDARDS	AREA[sqm]	NO.OF UNITS	TOTAL AREA[sqmt]
Museum Gallery				1	1011
Store Room				1	585
Exhibitionspace					1011
MultipurposeHalls				1	965
DiningArea			995	1	995
KitchenArea			160	1	160
Childrens Exhibition area					710
Ethnic arts & Cultural centre					720
MensRestroom				1	220
WomensRestroom				1	208
SecurityRoom			42	1	42
DisplayRoom[sand]					551
Vision area					530
ServiceRoom					42
Seminar hall					168
Research Centre					203
Electrical room					65
Maintenance room					43
				TOTAL	8,230

OUTDOOR STALLS[SOUK]					
FoodStalls			30	10	342
Dress&Accessoriesst alls			40	5	171
Others					171
				TOTAL	684
OUTDOOR SPACE					
FACILITIES	REQUIREMEN TS	STANDARDS	AREA[s qm]	NO.OFU NITS	TOTALAREA[sqmt]
SplittingPath					
CaveofMiracle					
GardenorCourtyard					
Outdoortheatre					640
				TOTAL	640
ADMINISTRATION					
FACILITIES	REQUIREMEN TS	STANDARDS	AREA[s qm]	NO.OFU NITS	TOTALAREA[sqmt]
Entrance Lobby					111
Servant room					21
Storage room					21
Records room					9
CCTV room					23
AV room					52
Office room					52
Meeting room					52
Secretory room					52
Mini prayer hall					155
				TOTAL	548
PARKING					11000
					11000

4.2 STANDARDS

MASJID

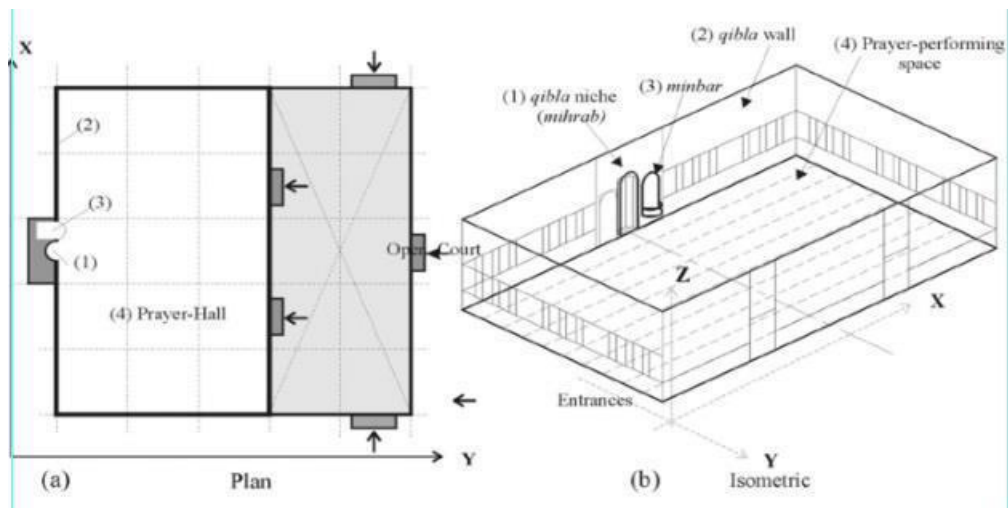




The four main features that most mosques have are a mihrab (niche), minaret (tower), qubba (dome) and sahn (courtyard).

The mosque, masjid in Arabic, is the Muslim gathering place for prayer.

Masjid simply means “place of prostration.” Though most of the five daily prayers prescribed in Islam can take place anywhere, all men are required to gather together at the mosque for the Friday noon pray.

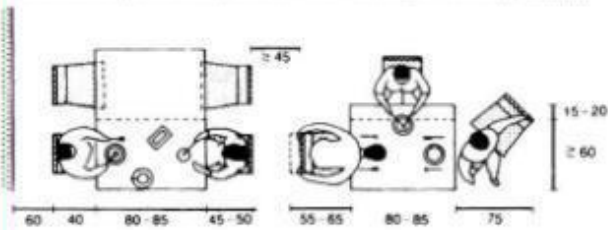
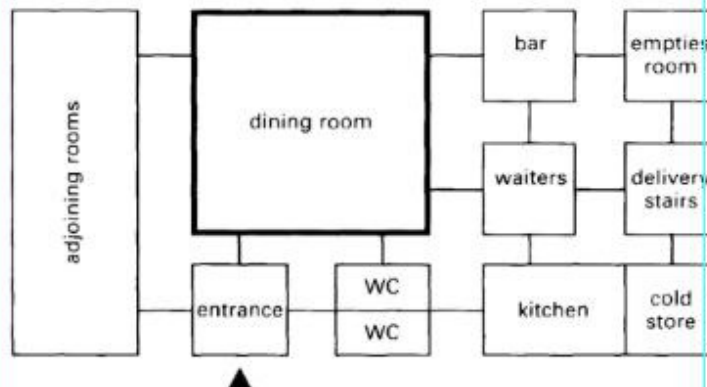


Dining Areas:

► Calculating the space requirements for dining areas can be difficult because of the many choices available.

RESTAURANTS AND FOOD COURTS

General Functional Layout of Restaurants:

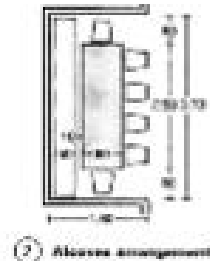
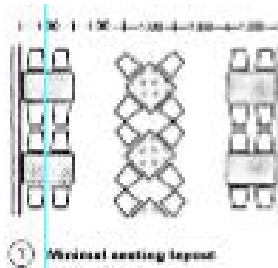
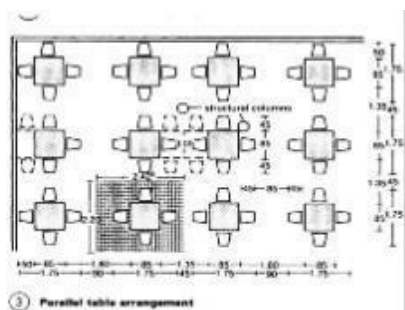


customer places	toilets men	toilets women	urinal bowls	urinals (m)
50	1	1	2	2
50-200	2	2	3	3
200-400	3	4	6	4
400	- determine in individual case -			

dining floor area	walkway width
up to 100 m ²	≥ 1.10 m
up to 250 m ²	≥ 1.30 m
up to 500 m ²	≥ 1.65 m
up to 1000 m ²	≥ 1.80 m
over 1000 m ²	≥ 2.10 m

Walkaway Width

SEATING ARRANGEMENT

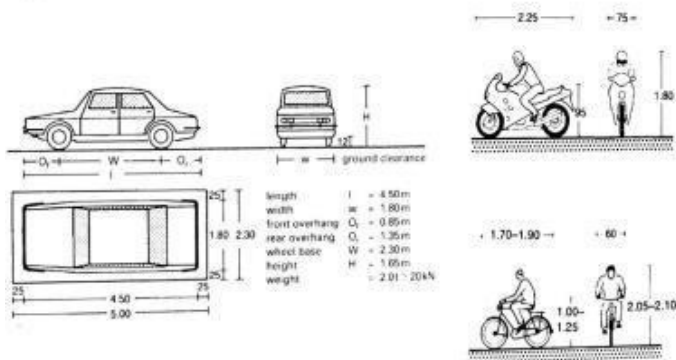


PARKING

The parking spaces acts as a place for the ceremonies of Arrival & Departure.

The basic requirements for parking spaces should be taken from the vehicle dimensions whilst driving in a linear path, cornering and entering into and driving out of the parking area.

Typical Vehicular Dimensions:



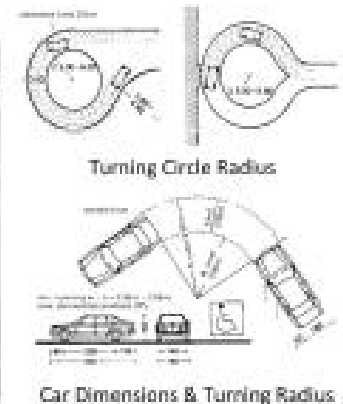
► Parking can be done in various ways: inclined with various angles or perpendicular.

► Parking can also be done in basement or on surface outside the complex.

► Surface parking requires less space than the basement parking due to absence of columns.

► In case of basement parking,

type of vehicle	length (m)	width (m)	height (m)	turning circle radius (m)
motorcycle	2.20	0.70	1.00 ¹	1.00
car				
- standard	4.70	1.75	1.50	5.75
- small	3.60	1.60	1.50	5.00
- large	5.00	1.90	1.50	6.00
truck				
- standard	6.00	2.10	2.20 ¹	6.10
- 2.5t	7.00	2.50	2.40 ¹	7.00
- 16 t	8.00	2.90	3.00 ¹	8.00
- 22 t (+16 t trailer)	10.00	2.50	3.00 ¹	9.30
refuse collection vehicle				
- standard 2-axle vehicle (4 x 2)	7.54	2.50	3.30 ¹	7.80
- standard 3-axle vehicle (6 x 2 or 6 x 4)	1.45	2.50	3.30 ¹	9.25
fire engine	6.80	2.50	2.80 ¹	9.25
furniture van (with trailer)	9.50	2.50	2.80 ¹	9.25
	(18.00)			



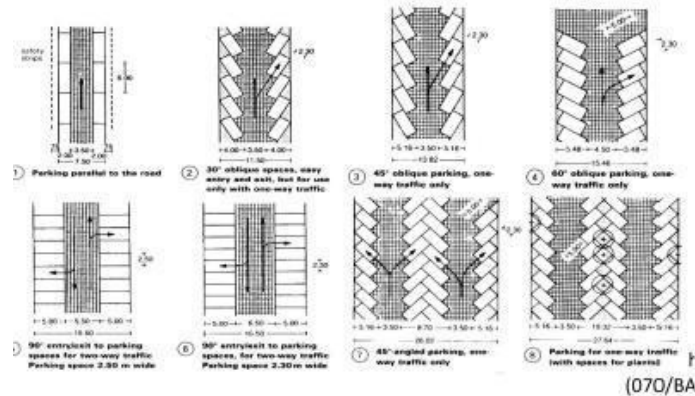
there should be enough provision

to be economical in this view but for highly commercialized areas where the land value is very high, this can be feasible.

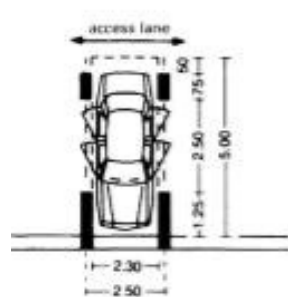
► In case of basement parking, a relatively narrow column grid pattern can be used, with careful planning and design, reduce building cost and height without any loss of function.

PARKING STANDARDS

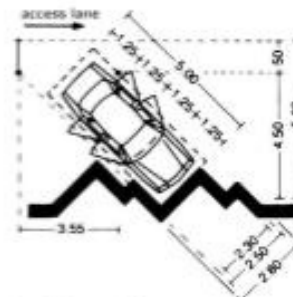
Typical Parking Layouts



Car Orientation:

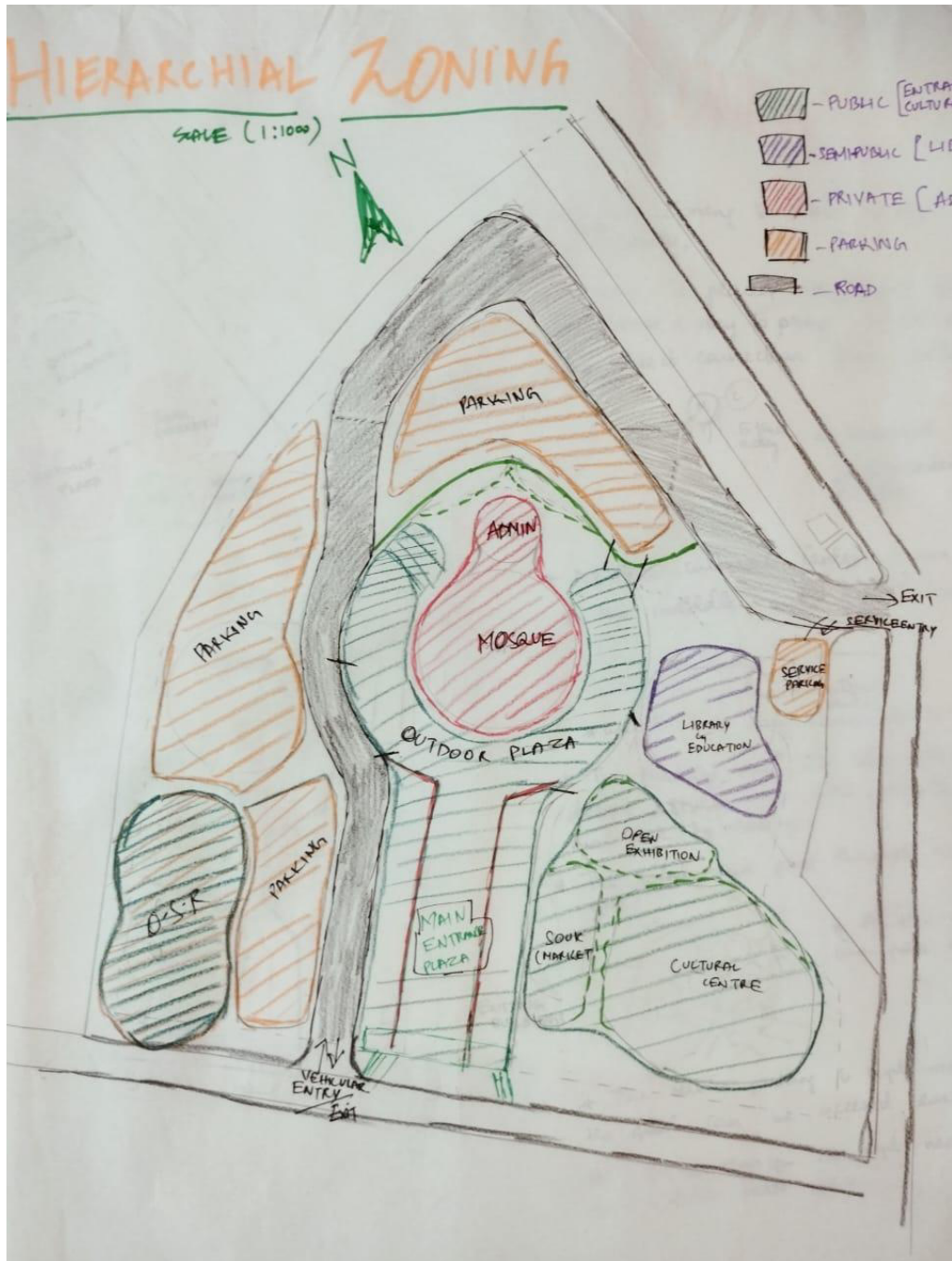


arking at 90° to access lanes



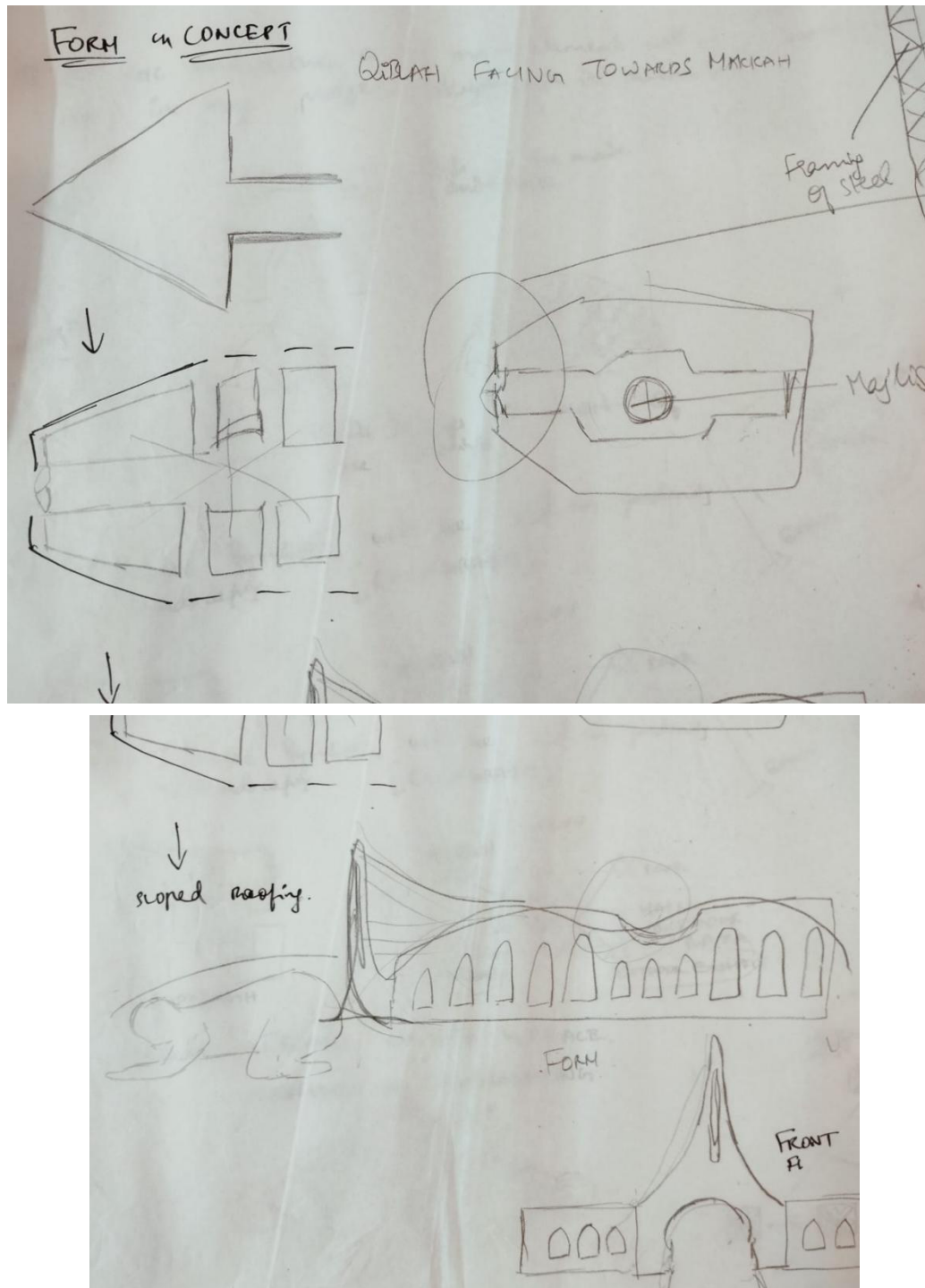
Parking at 45° to access lanes

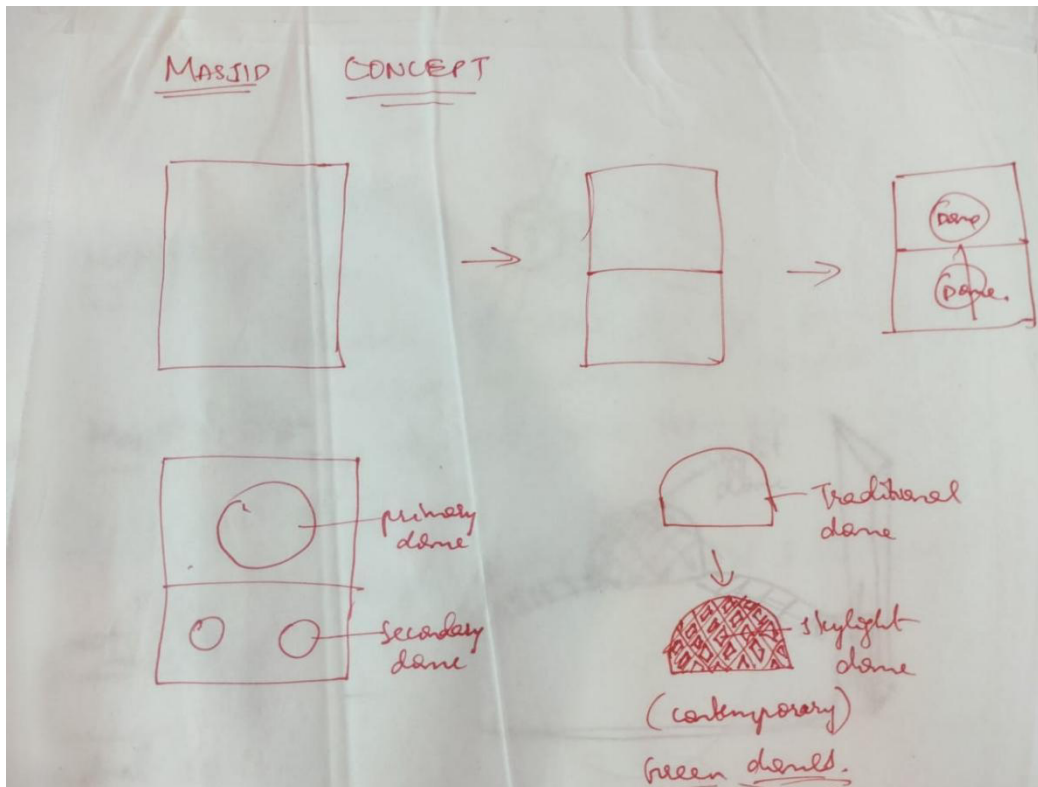
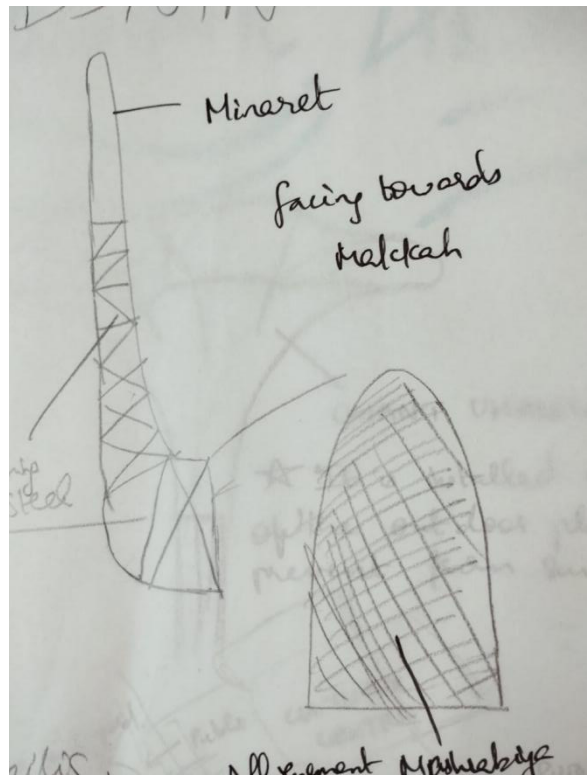
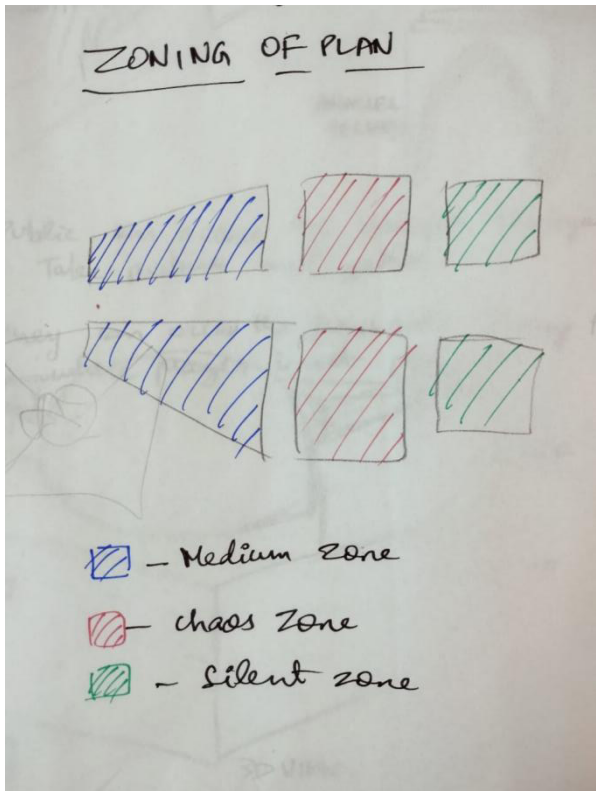
5.2 ZONING :



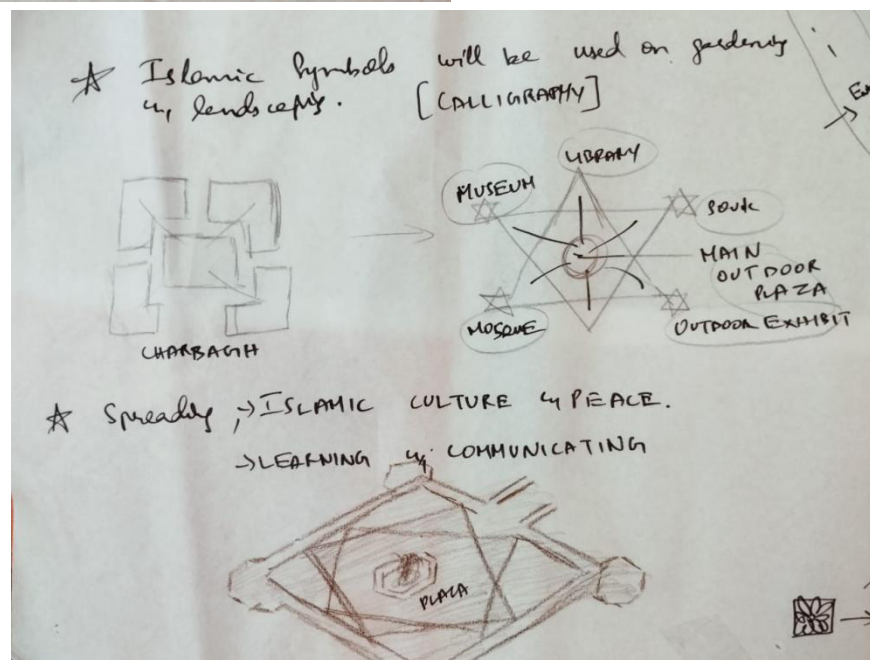
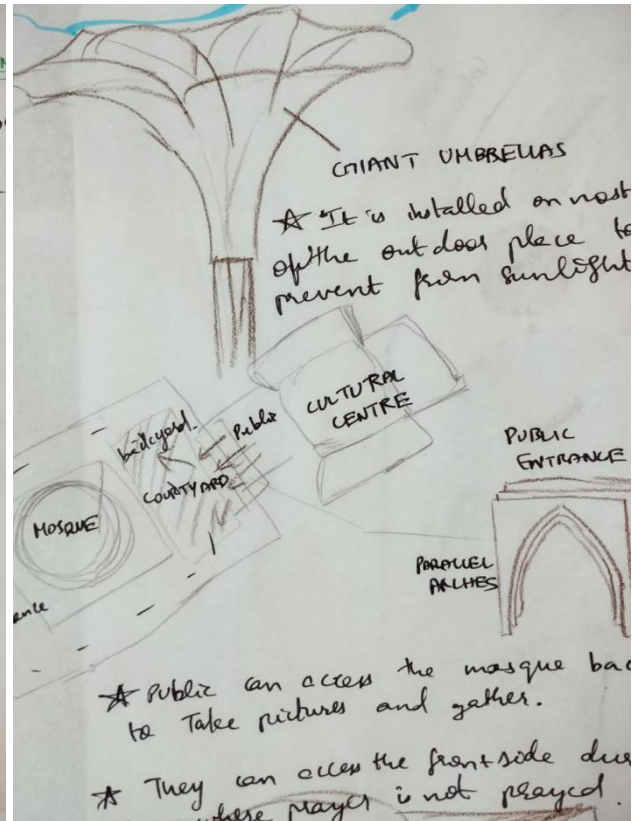
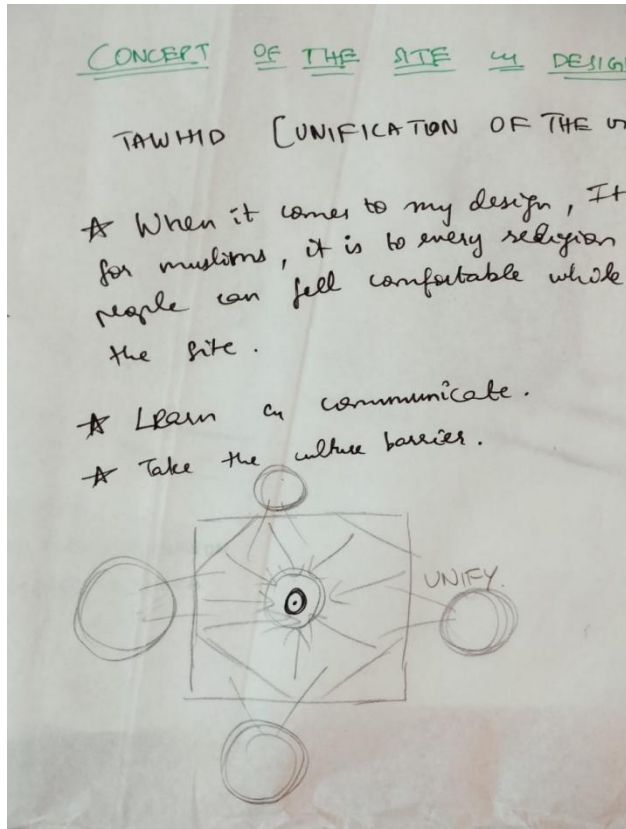
5.3 CONCEPT

:





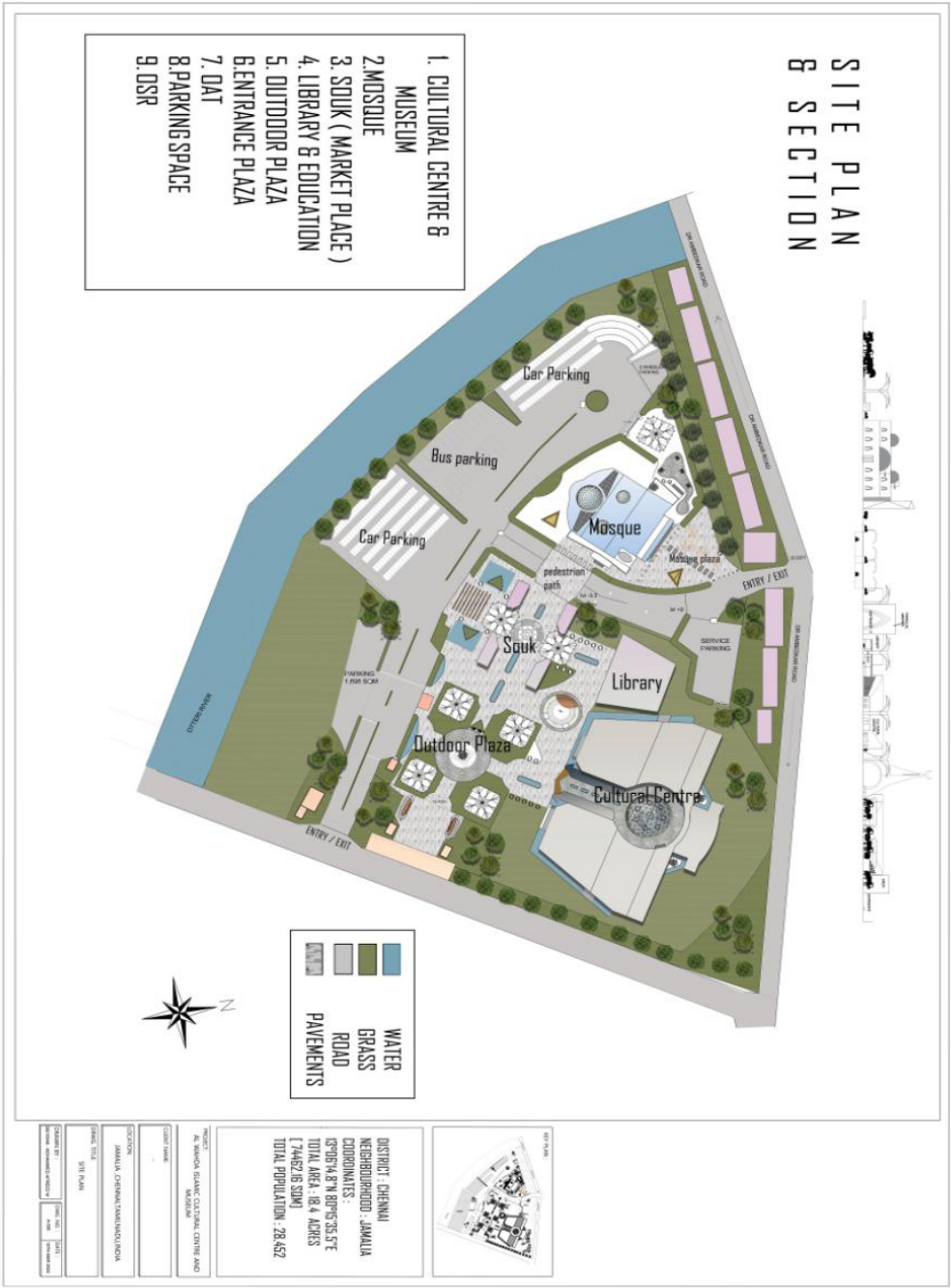
5.4 SITE CONCEPT AND ITS ELEMENTS



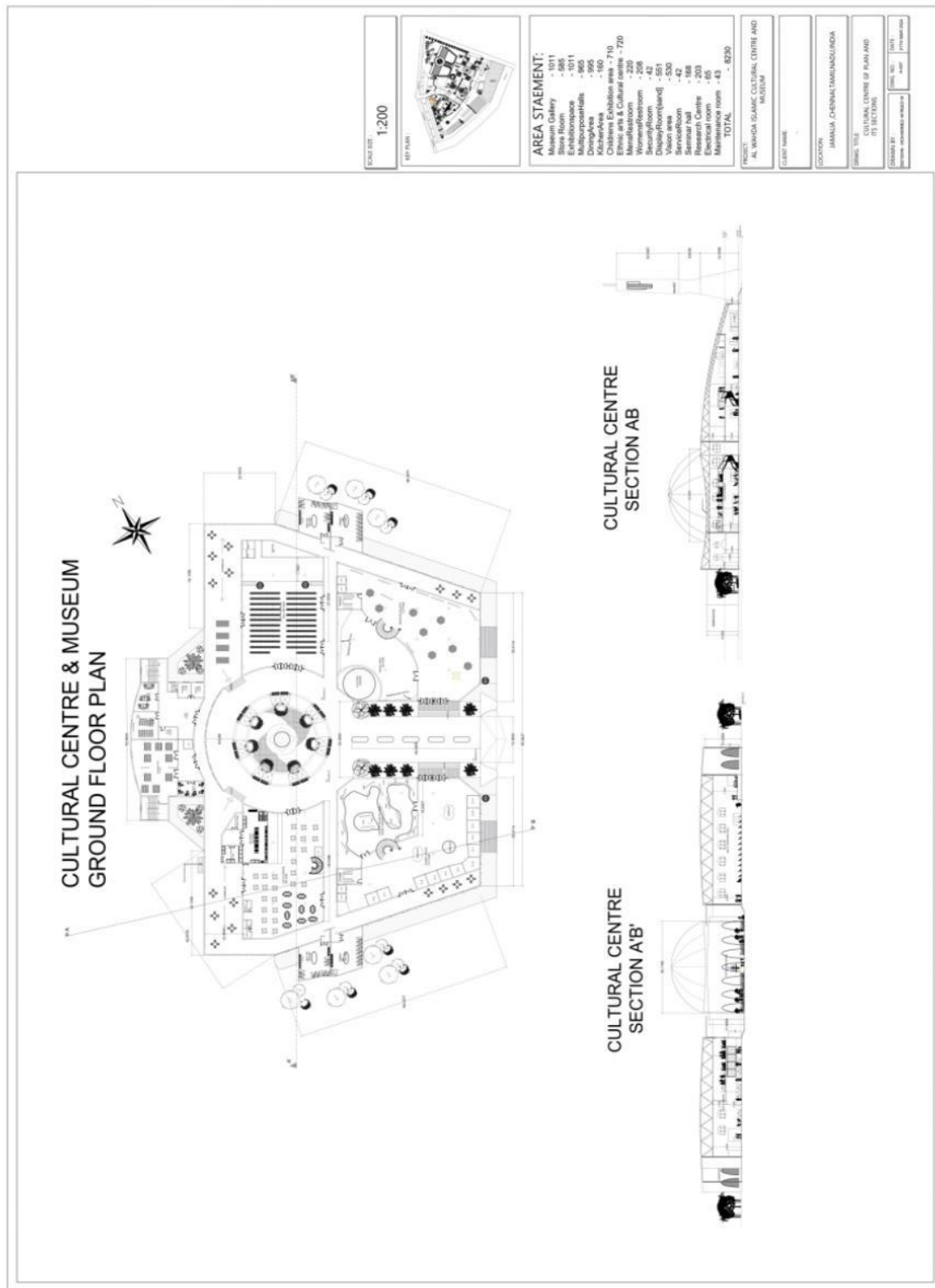
CHAPTER 6

SITE PLAN AND ITS SECTION

6.1 SITE PLAN AND ITS SECTION



6.2 FLOOR PLAN AND ITS SECTION





Museum Gallery	- 1011
Store Room	- 585
Exhibition space	- 1011
Multipurpose hall	- 965
Kitchen	- 995
Office Area	- 160
Childrens Exhibition area	- 710
Ethnic arts & Cultural centre	- 720
Manitourism	- 220
Women's Restroom	- 208
Security Room	- 42
Display Room (sardj)	- 551
Vision area	- 530
Seminar Room	- 42
Seminar Hall	- 168
Research Centre	- 203
Electrical room	- 65
Maintenance room	- 43
TOTAL	- 8230

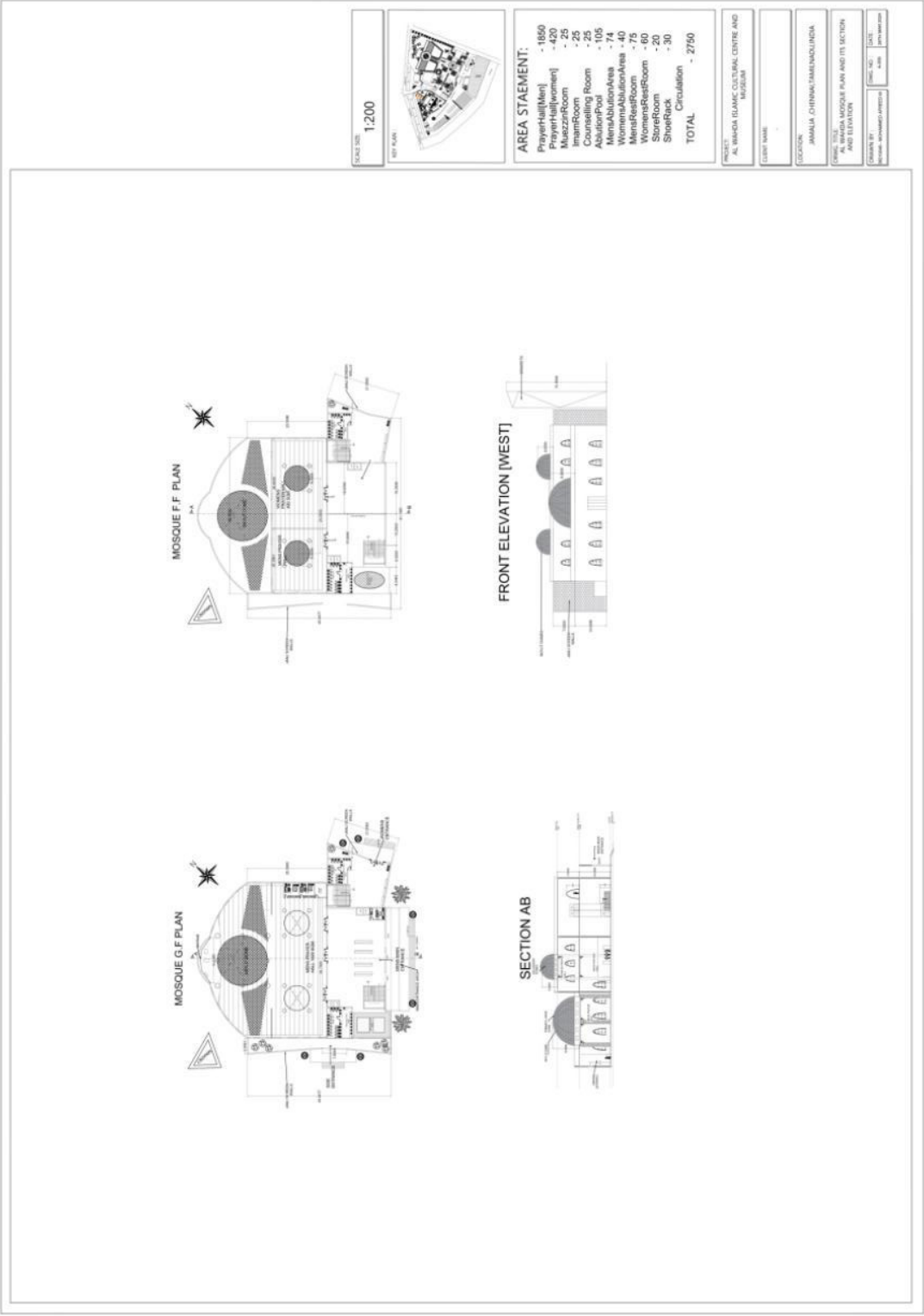
AL WAFDA ISLAMIC CULTURAL CENTRE AND MUSEUM

10088 J. Neurosci., July 26, 2006 • 26(30):10081–10088

EDITOR
JANALIA, CHENNAI, TAMILNADU, INDIA

CULTURAL CENTRE IN PLAN AND SECTION.

NAME: _____	DATE: _____
GRADE: _____	TIME: _____



SCALE 1:200

REF PLAN



AREA STATEMENT:

PrayerHall(Men)	- 1850
PrayerHall(Women)	- 420
MuezzinRoom	- 25
Men'sAblutionArea	- 25
CounselingRoom	- 25
AblutionPool	- 105
MensAblutionArea	- 74
WomensAblutionArea	- 40
WomensRestRoom	- 75
WomensPrayerRoom	- 20
StoreRoom	- 30
Circulation	- 2750
TOTAL	- 2750

PROJECT

AL NABHA ISLAMIC CULTURAL CENTRE AND MUSEUM

CLIENT NAME

SECTION

JAMALIA CHITRAKAMUNDU/AL NABHA

OWNER

AL NABHA MOSQUE PLAN AND ITS SECTION

DRAWN BY

AL NABHA

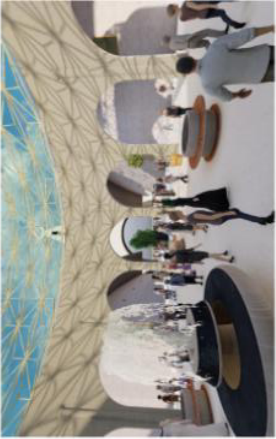
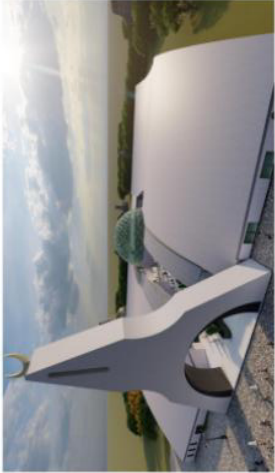
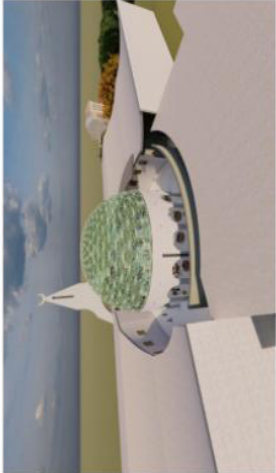
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AL NABHA

DATE

2024

6.3 3D MODEL AND VIEWS

AL WAHDA ISLAMIC CULTURAL CENTRE AND MUSEUM			3D MODEL AND VIEWS		MOHAMMED AFREED M 39710048
					
					

CHAPTER 7

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- > <https://thedailysidart.wordpress.com/2020/06/09/evolution-of-domes-in-islamic-architecture/>
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