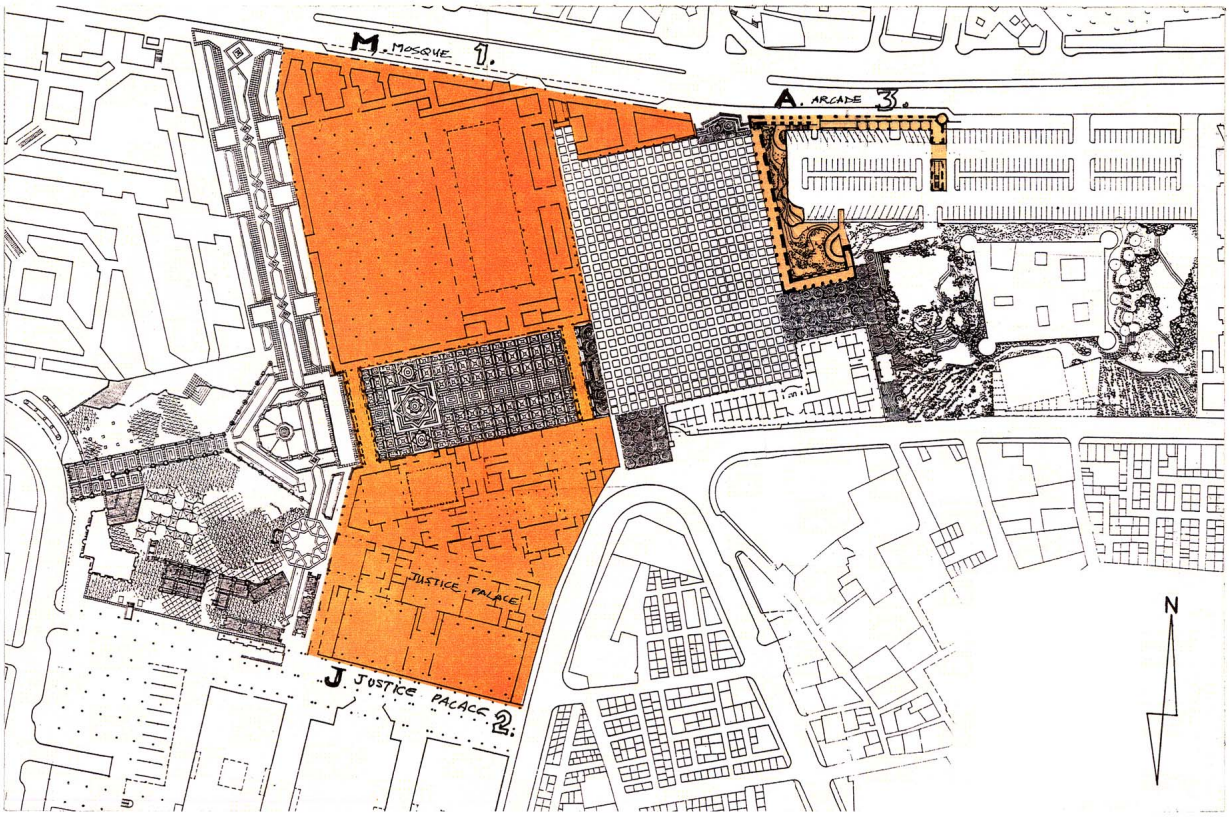
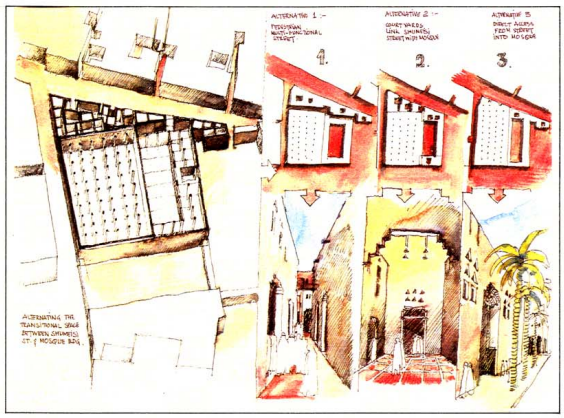
SITE PLAN

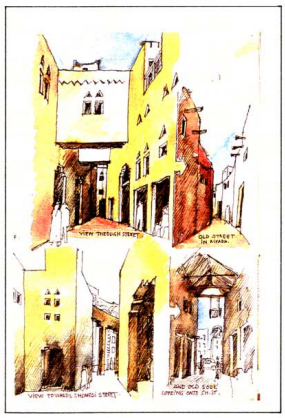


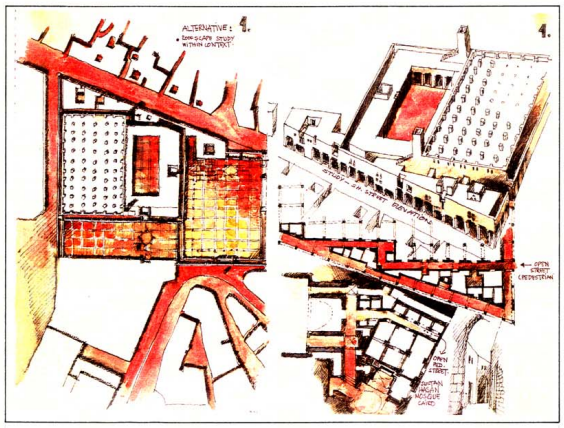
1

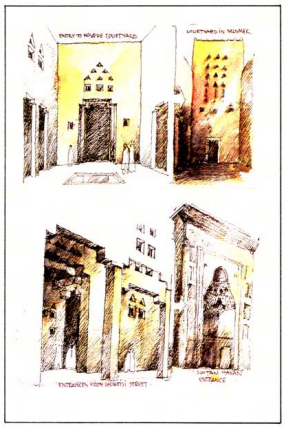
SOCIAL DIMENSION

THE PHYSICAL INTERRELATIONSHIP
BETWEEN THE MOSQUE
AND THE SURROUNDING
THROUGH TRANSITIONAL
ACTIVE SPACES
LIKE SHOPS, HOUSING, AND
PUBLIC SERVICES.









3

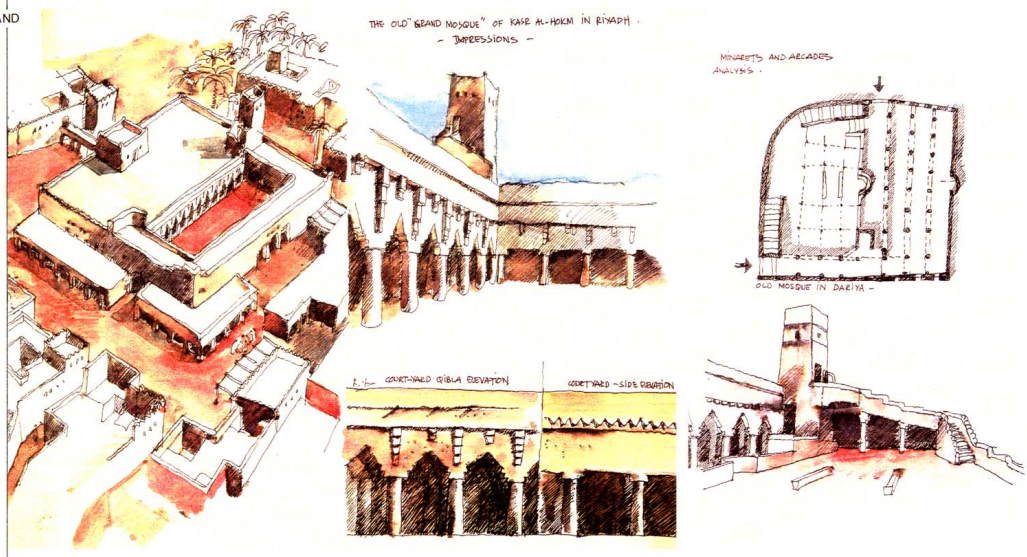
Great Mosque, Riyadh, Saudi Arabia

HISTORICAL PRECEDENT

- TYPLOGOY OF MOSQUE'S SPACIAL COMPONENTS.
- PHYSICAL & CULTURAL INTER-RELATIONSHIP BETWEEN THE OLD - (DEMOLISHED) MOSQUE AND THE SURROUNDINGS - 1902.
- ANALYTICAL CASE STUDY OF AN EXISTING MOSQUE IN THE REGION OF RIYADH (OLD DARIYA).

The system guiding the mosque's articulation came as a result of an analytical study of some local models built in this region after the model of the mosque of the Prophet, with all its standard spaces; Sahn (courtyard), Riwaq (arcade) and Mussalla (prayer hall).

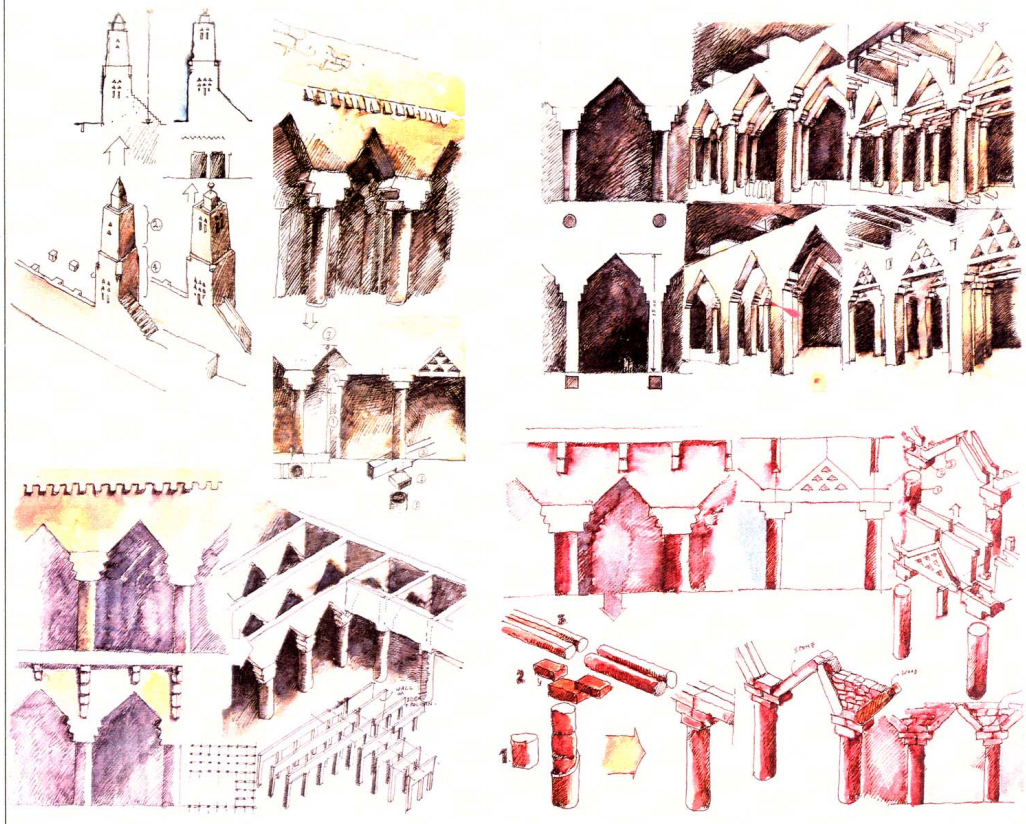
To maintain the memory of the place as conceived in the minds of local people, we adopted the traditional system and developed it to serve contemporary needs.



ARCHITECTURAL CONTENT HISTORICAL PRECEDENTS:

- MINARETS
- STRUCTURAL SYSTEM (BEEMS & COLUMS)
- ARCHITECTURAL DETAILS

The building systems used in the mosque resemble the framework of knowledge which old mosques were built upon in Najd. This framework can be read to a certain extent as pre-cast systems, taking into consideration the available technology in their times. The pre-cast system used in the prayer hall resembles this informative concept, without repeating its expression. This has offered the building the spirit of its age, avoiding historical confusion and deformation.

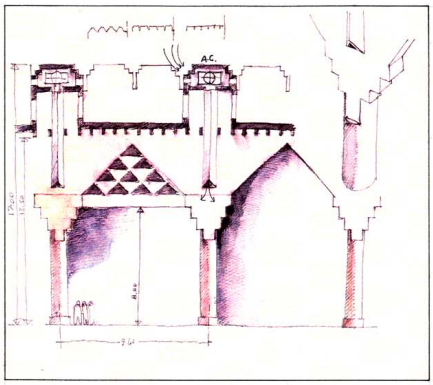


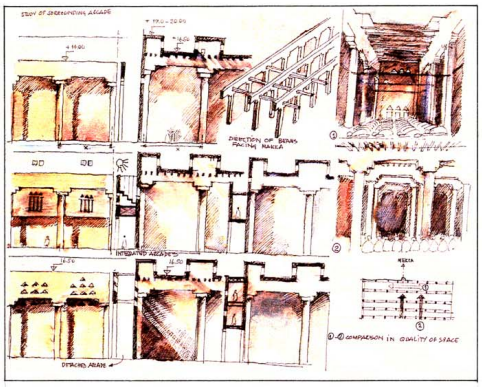
Great Mosque, Riyadh, Saudi Arabia

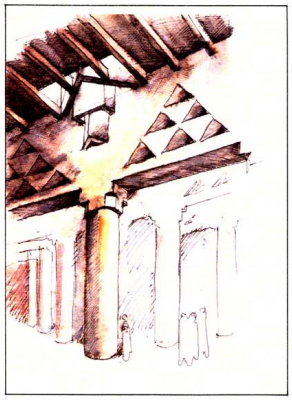
ECOLOGY

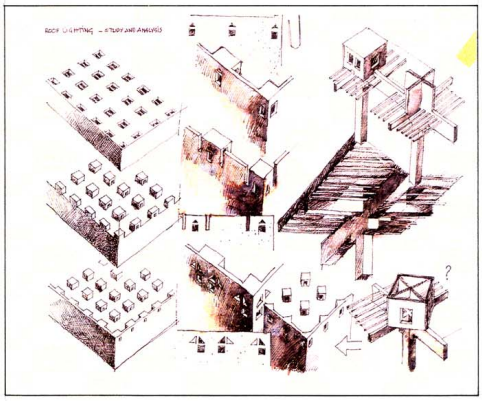
ENVIRONMENTAL SYSTEM - LIGHTING & VENTILATION TOWER MECHANICAL AIR - CONDITIONING SYSTEMS

The natural lighting and ventilation systems are combined in a way resembling the same arrangement in the lighting and ventilation towers of in all building types of traditional architecture. These towers combine the traditional functions with modern ventilation and lighting requirements, using vertical airconditioning ducts in walls and dealing with artificial lighting in the halls. The towers are located over the Jami' columns, so as to act directly, with no need for horizontal airconditioning means, and avoiding suspended ceilings which are usually implemented in such mechanical airconditioning systems. This non-central air conditioning system is distinguished by its low-cost requirements and easy to operate nature regarding the variable zone size occupied by prayers. It has also emphasized the projects building components which resemble traditional building systems.





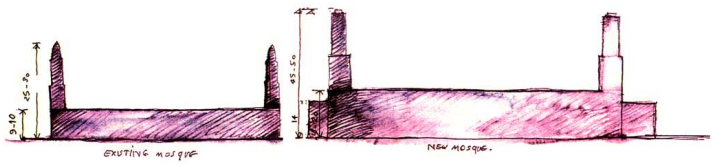


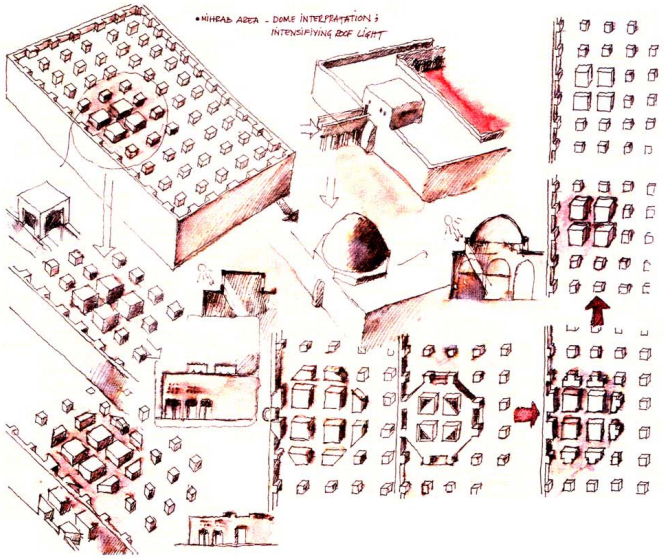


7

ARCHITECTURAL ELEMENTS , (SYMBOLIC)

- MINARETS - DIMENTIONS & LOCATION
- DOMES REPLACED BY ROOF TOWERS RESPONDING TO LOCAL CUSTOMS AND BELIEFS



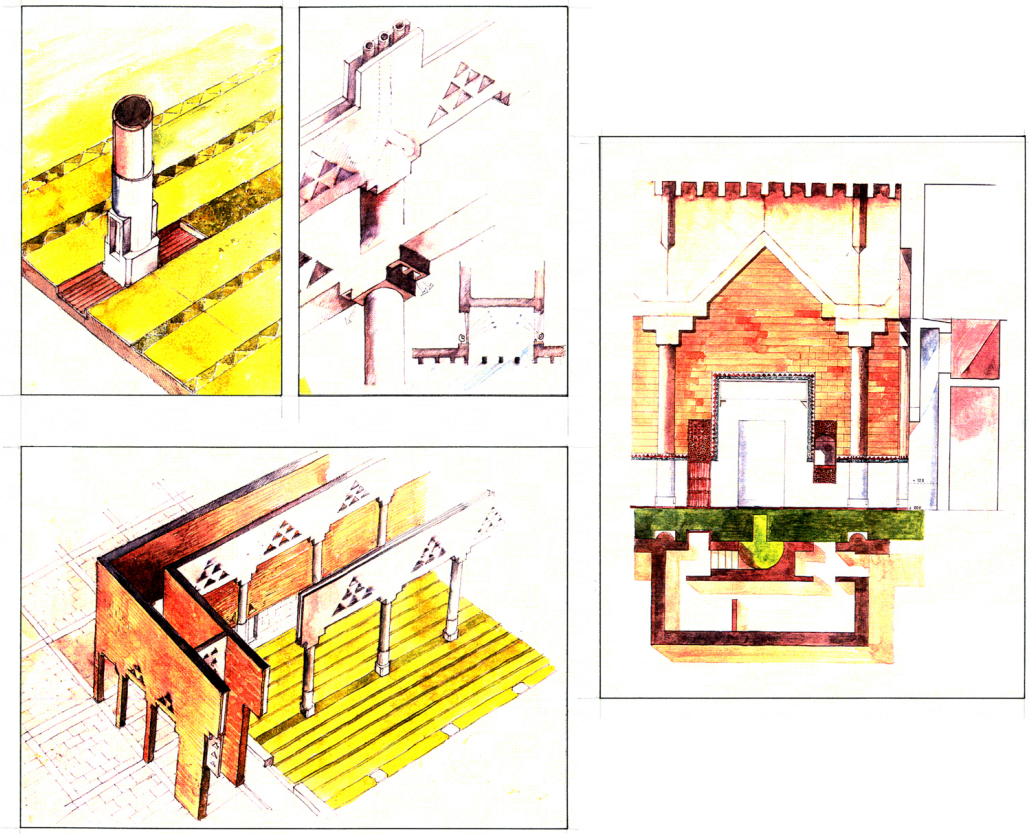


8

Great Mosque, Riyadh, Saudi Arabia

ARCHITECTURAL INTERIOR ELEMENTS

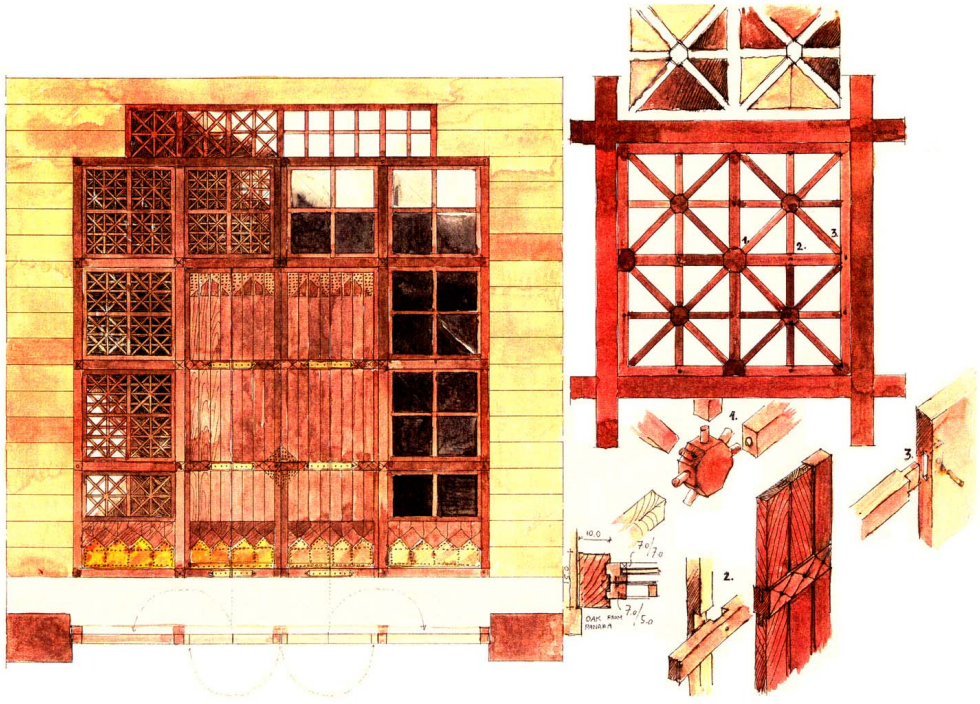
1- COLUMN - CAPITAL
2- COLUMN - BASE
3- COLUMN RAWS
4- QIBLA WALL



9

CRAFTS

- TYPICAL WOODWORK FOR DOORS, WINDOWS & SCREENS INSPIRED BY LOCAL NAJDI TRADITION.

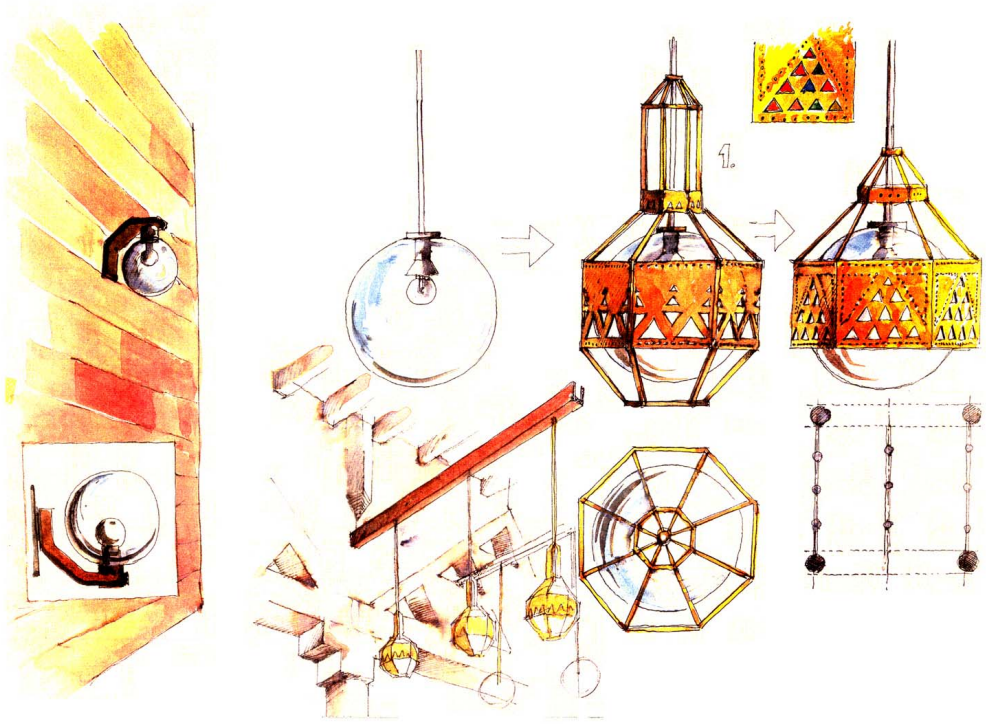


10

Great Mosque, Riyadh, Saudi Arabia

LIGHTING FIXTURES

INTERIOR CONCEPT
SECOND FLOOR -
FLOORING PATTERNS
DEFINING DIFFERENT ACTIVITIES
WITH EMPHASIS ON SPACIAL
HIERARCHY.



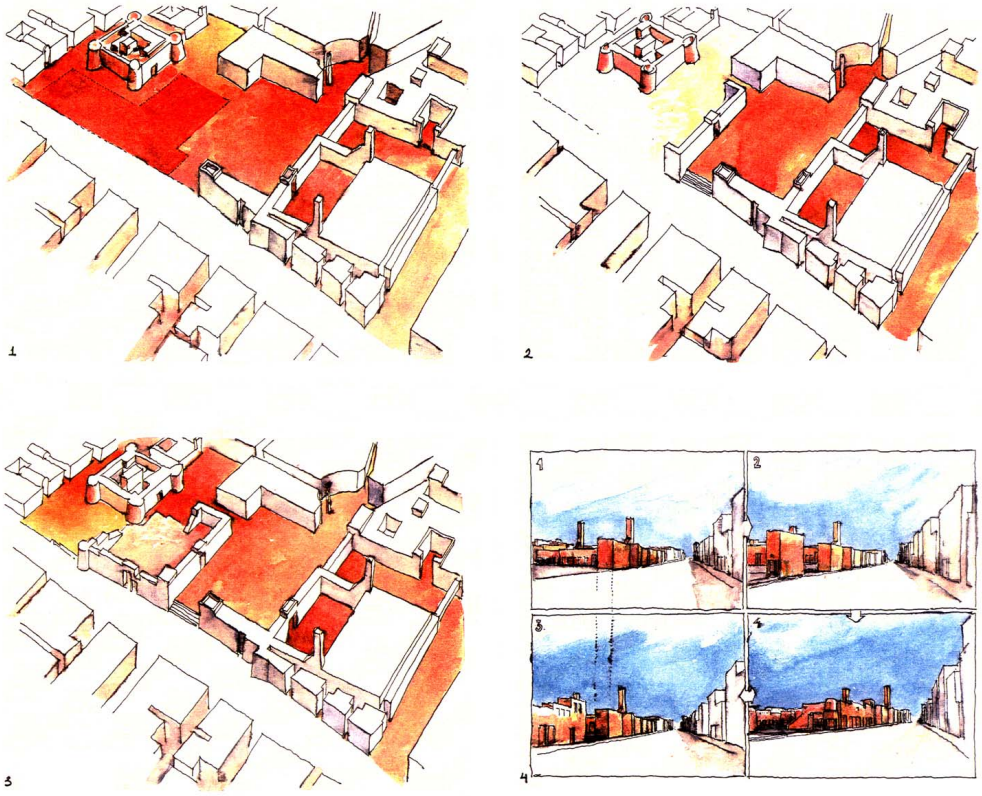
MIDAN AL-SAFAH
NORTH & EAST ARCADE

ARCADE AS DEFINING ELEMENT OF URBAN SPACES

1- UNDEFINED SPACE
2- DEFINING GATEWAYS TO MOSQUE'S MAIN PLAZA , AND TO AL-MASMAQ
3- DEFINING STREET BOUNDARIES AND AL-MASMAQ FORECOURT
4- URBAN VISUAL STUDIES

The proposal for the grand mosque and Justice Palace initially included a third building which is the cultural center. This building was concieved as an integral part of the whole scheme within the comprehensive framework of the city center, including the spiritual place (The Jami) , the place of knowledge (The Cultural Center) and the place of physical and material concerns (the Justice Palace). This comprehensive framework was disturbed when the cultural center was later cancelled by the client, creating a gap between the mosque and the palace on one hand, and the rest of the city on th other hand. This vaccum was treated through the inclusion of an urban envelope which re-introduces the desired heirarchy of transitional zones in the form of public plazas, courtyards and gateways which tie this project in its outer limits into the urban fabric of the city.

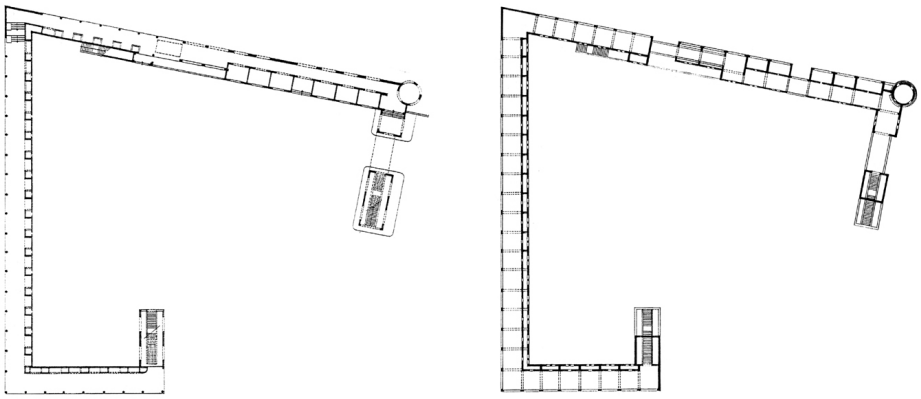
This envelope defines the external plazas and establishes the transitional zone between the Justice Plaza and the historic part of the city (Al-Masmak), and emphasizes the relationship between the project and Al-Masmak. It stresses the dialogue between past and present while creating spaces for certain functions such as parking , and events such as festivals, friday market , and even amusement parks.



Great Mosque, Riyadh, Saudi Arabia

MIDAN AL-SAFAH
NORTH & EAST ARCADE

GROUND FLOOR PLAN
FIRST FLOOR PLAN



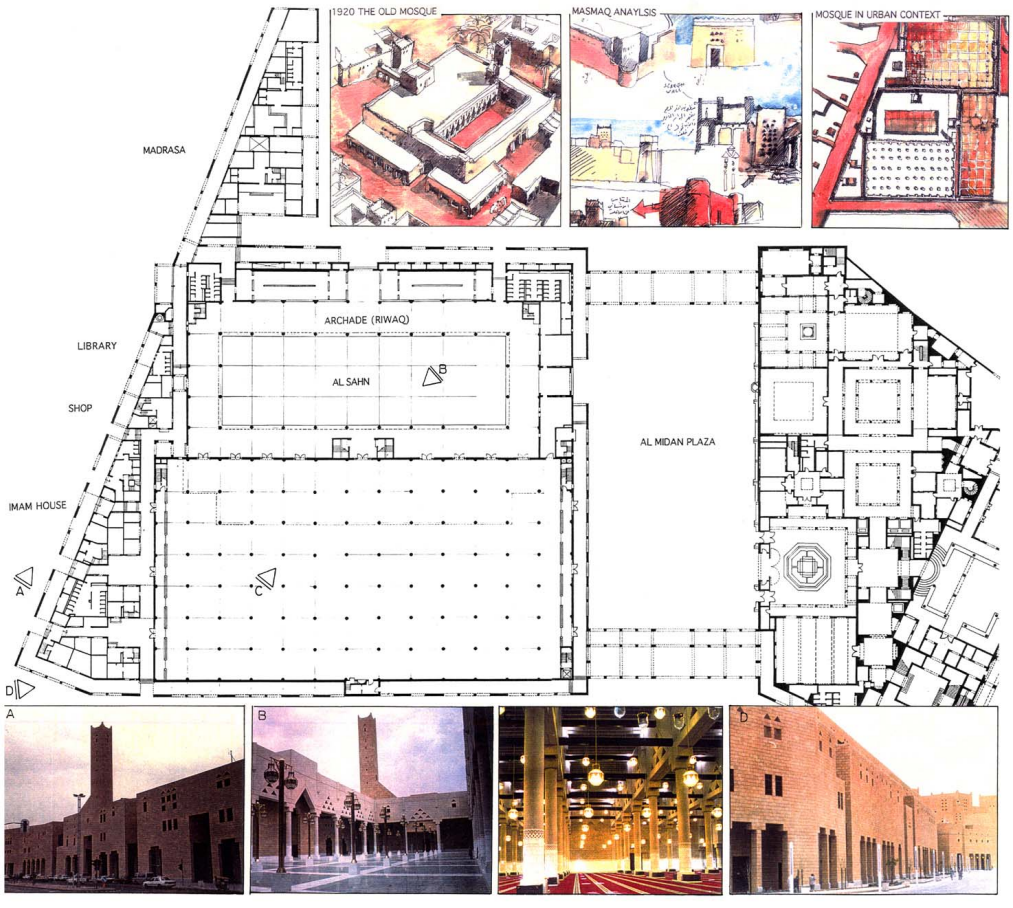
Scale 1:600

Imam Turki Bin Abdullah Mosque

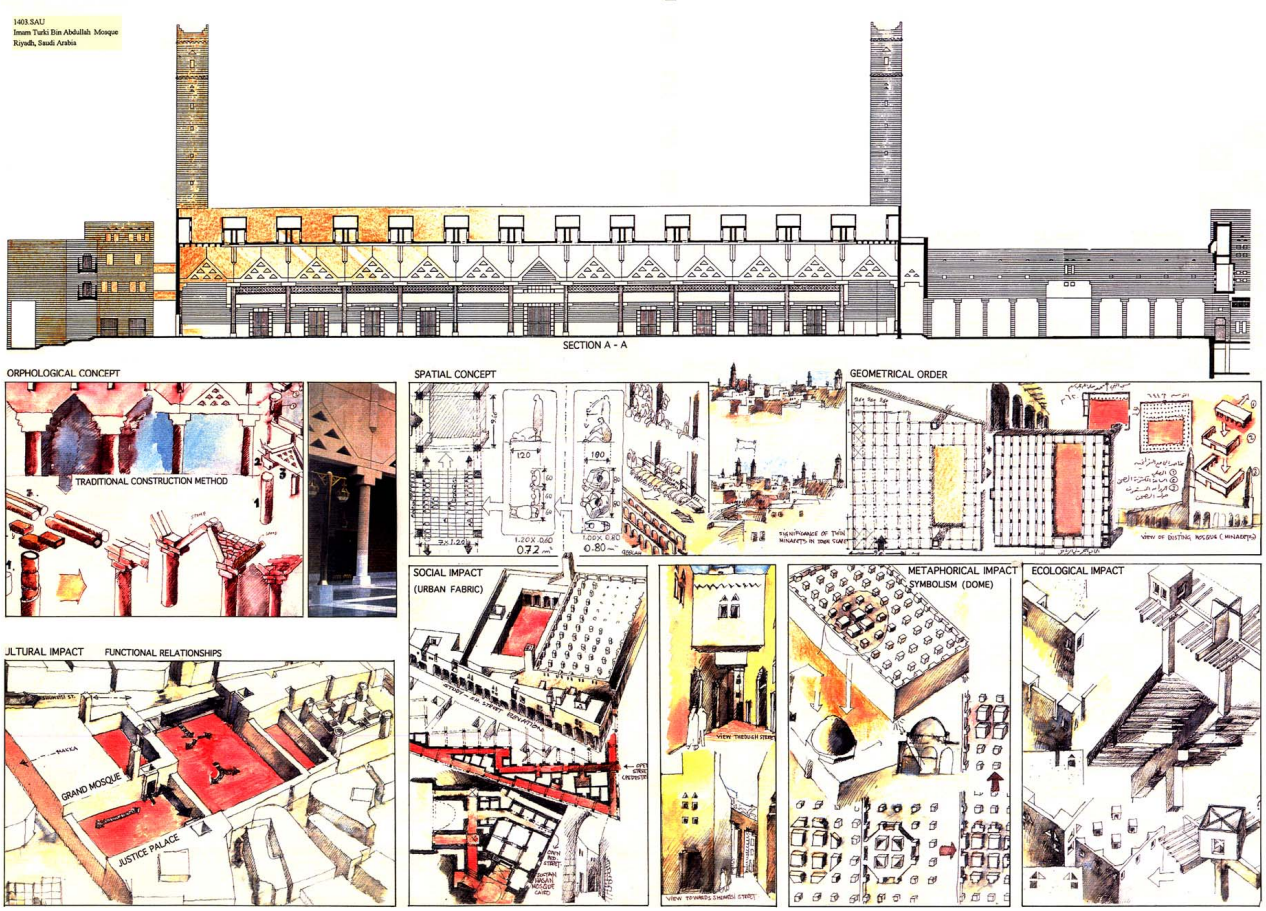
Imam Turki Bin Abdullah Street
Riyadh, Saudi Arabia

Architect	Rasem Badran Amman, Jordan
Client	Arriyadh Development Authority Riyadh, Saudi Arabia
Commission	1985
Design	1985 - 1986
Construction	February 1987 - October 1991
Occupancy	February 1992
Site	16'800 m2
Ground Floor	16'800 m2
Total Floor	30'000 m2
Costs *- Land*	210'700'000 USD 602'000'000 SAR
Rate	USD = 2.86 SAR (Dec. 85)
- Global	73'500'000 USD 210'000'000 SAR
Rate	USD = 2.86 SAR (Dec. 85)
- per m2	1'750 USD 5'000 SAR
Rate	USD = 2.86 SAR (Dec. 85)
Currency	Saudi Arabian Rials
Programme	The Great Mosque is a focal point in the larger redevelopment of downtown Riyadh. The central prayer hall accommodates 10'000 faithful, with external prayer space for an additional 5'000 worshippers. The women's prayer hall accommodates 2'000 worshippers. A madrasa, library, and residence for the Imam are also part of the project.

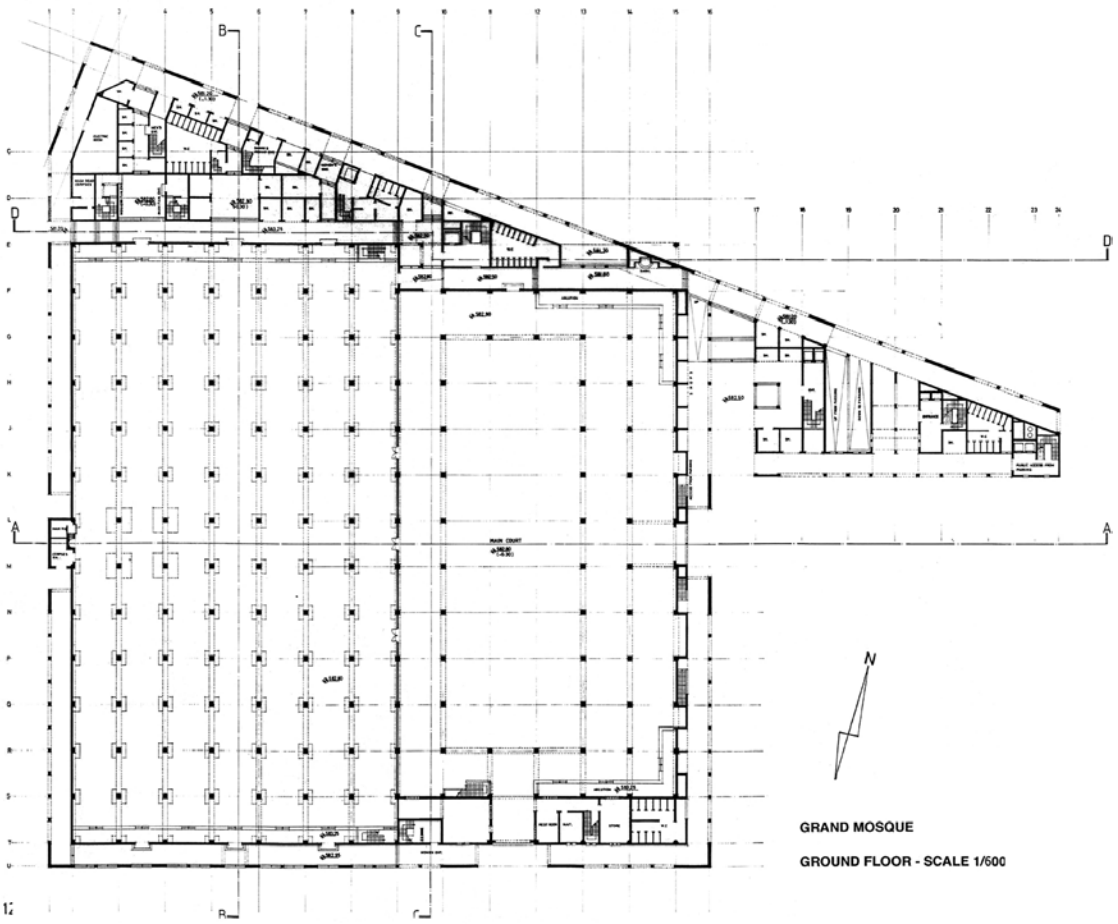
Building Type *612*
1995 Award Cycle *1403.SAU*

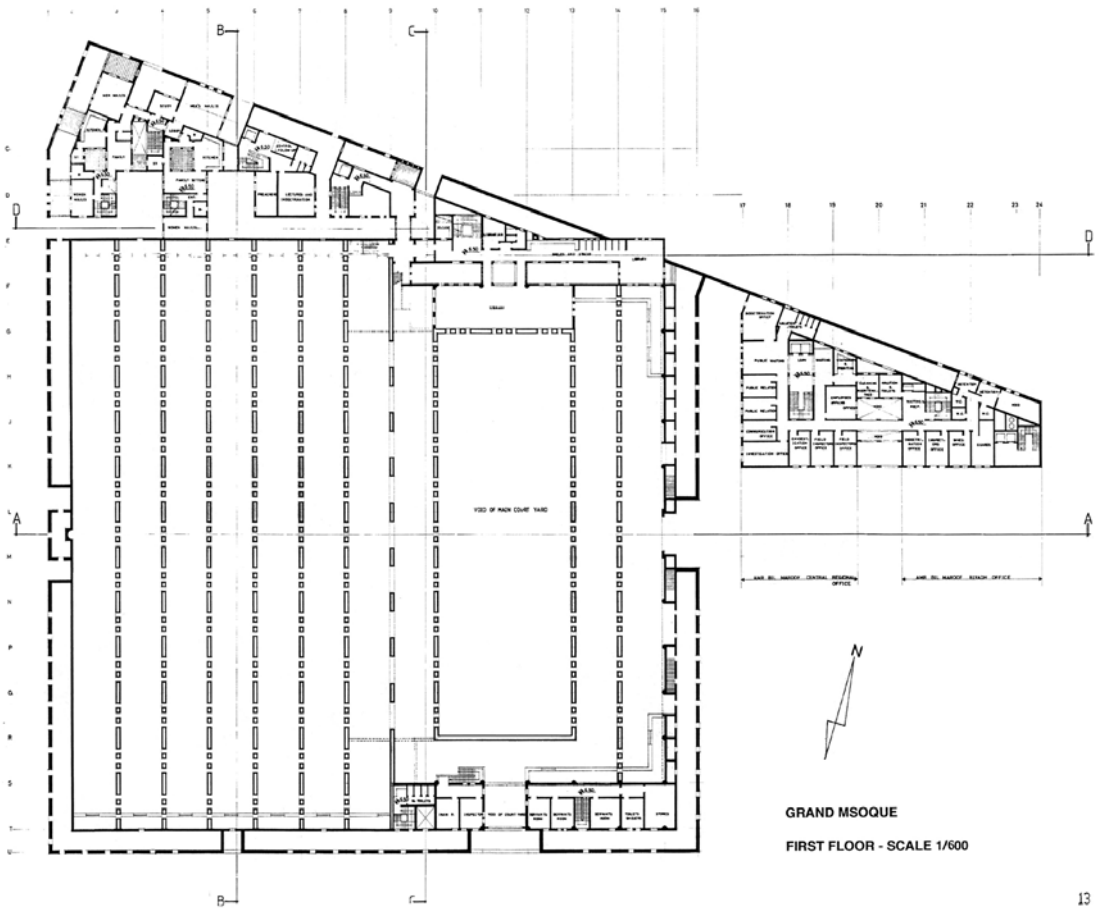


Great Mosque, Riyadh, Saudi Arabia

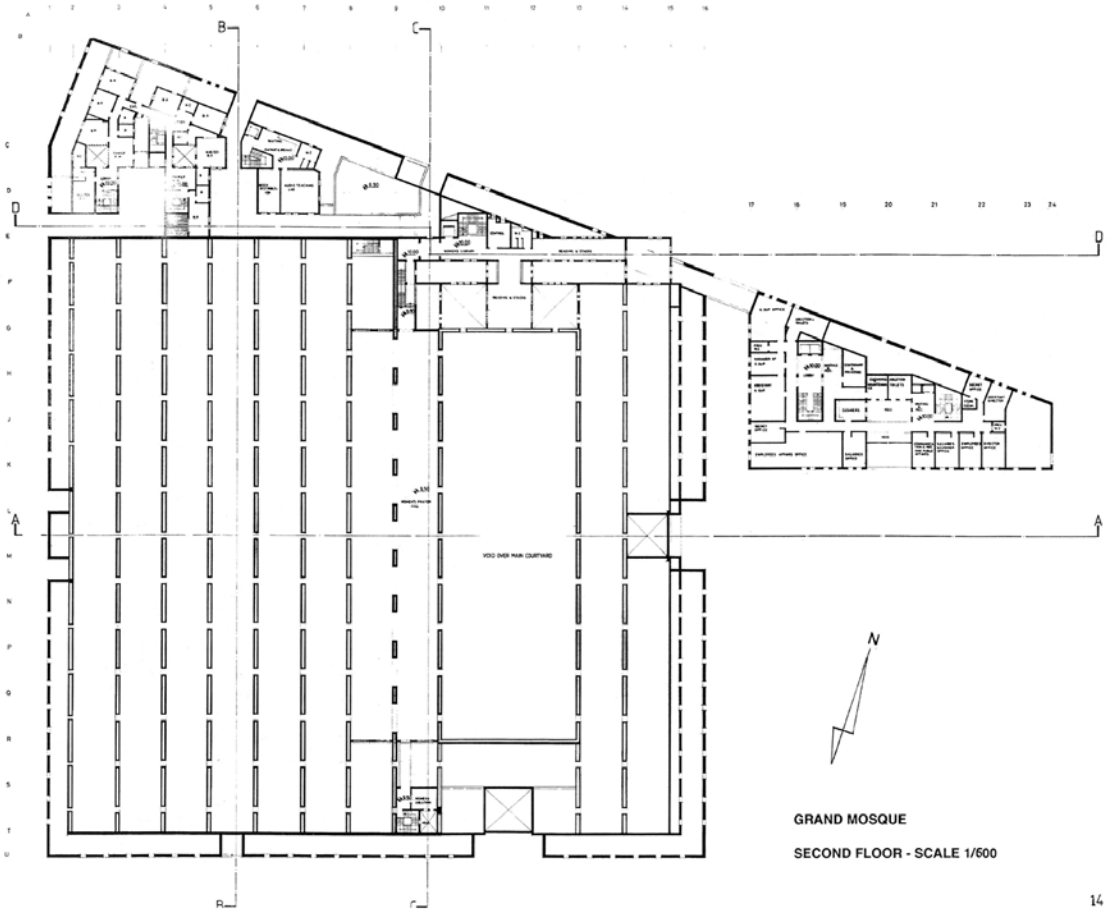


Great Mosque, Riyadh, Saudi Arabia





Great Mosque, Riyadh, Saudi Arabia



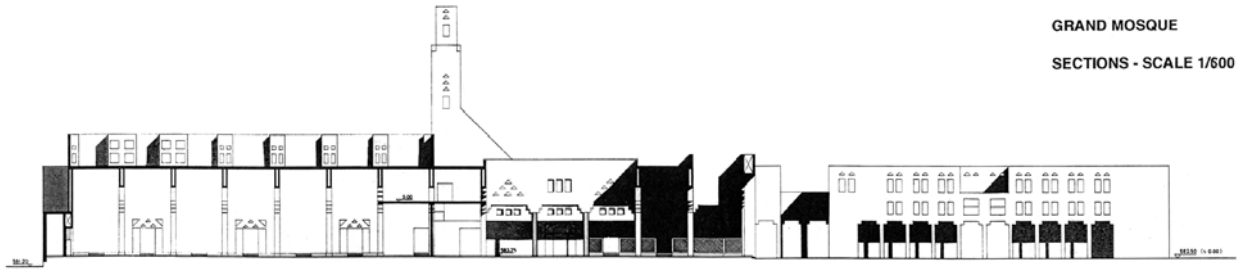
GRAND MOSQUE

SECOND FLOOR - SCALE 1/600

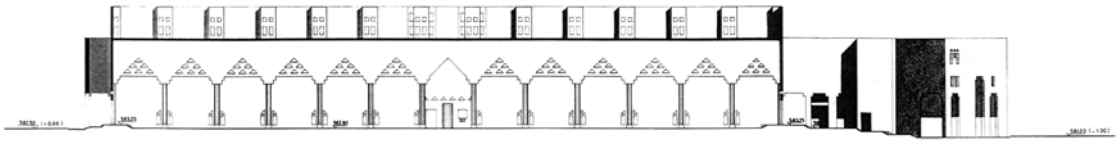
14

GRAND MOSQUE

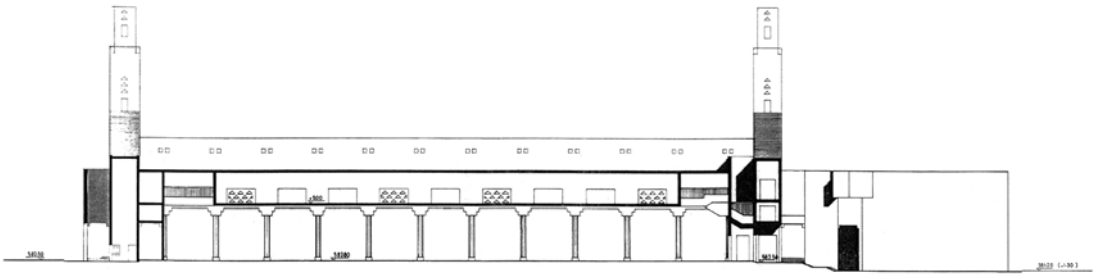
SECTIONS - SCALE 1/600



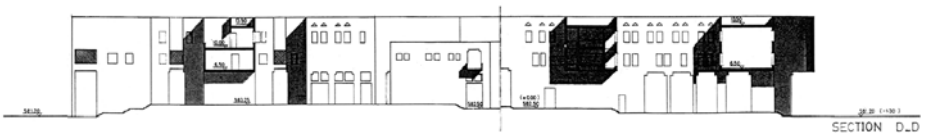
SECTION A_A



SECTION B.B



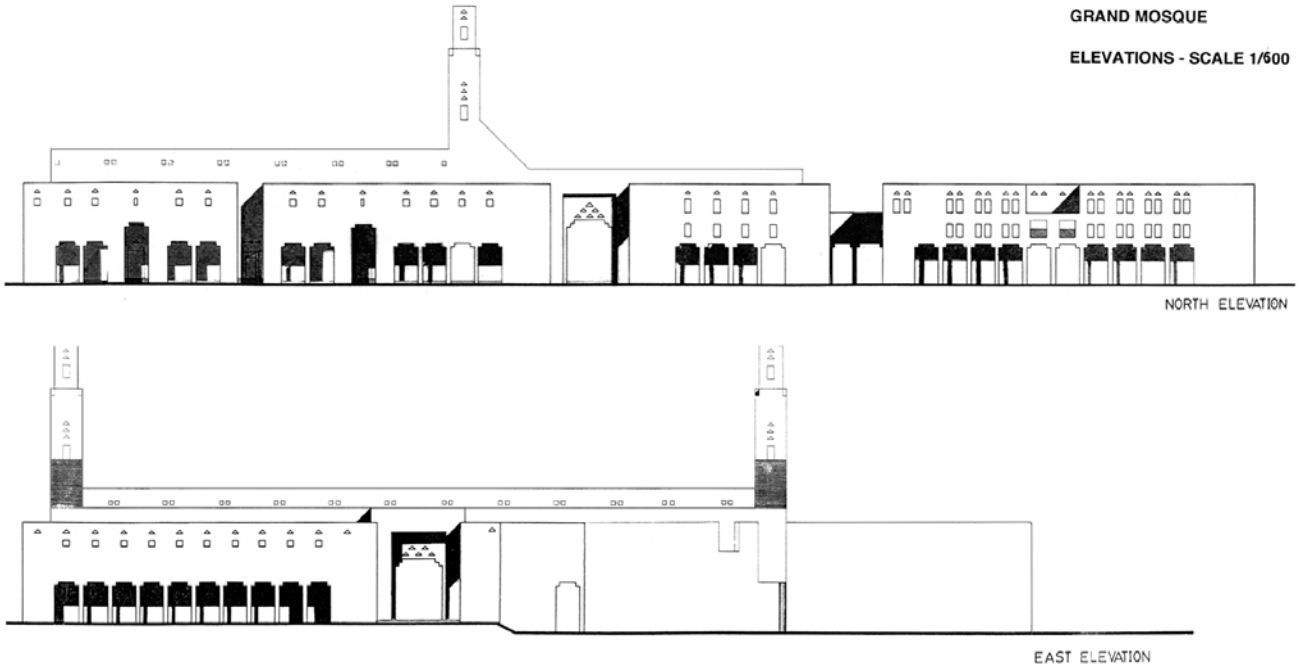
SECTION C.C

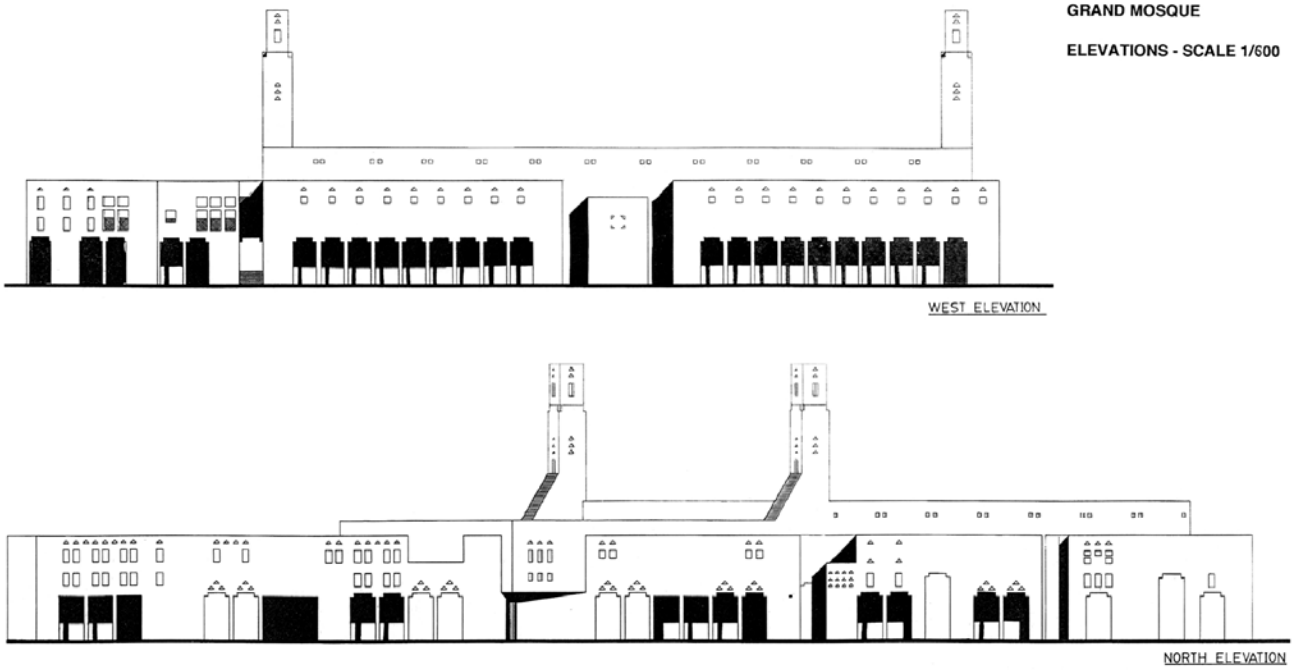


SECTION D_D

15

Great Mosque, Riyadh, Saudi Arabia





Great Mosque, Riyadh, Saudi Arabia