

PORTFOLIO

Ar. DEEPIKA RATHORE



CURRICULUM VITAE



DEEPIKA RATHORE

ARCHITECTURE GRADUATE

ABOUT ME

I AM AN ARCHITECTURE GRADUATE, PRESENTLY WORKING ON FREELANCE PROJECTS AND DESIGN COMPETITIONS. ALWAYS INTERESTED TO LEARN AND TRY NEW THINGS IN LIFE WHICH BREAKS THE MONOTONY AND MAKES A PERSON VERSATILE. BEING AN ARCHITECT, I HAVE STRONG TECHNICAL SKILLS AS WELL AS INTERPERSONAL SKILLS WHICH MAKES ME WILLING TO IMMERSE MYSELF TO LEARN AND WORK TO MAKE THE GOALS SUCCEED.

PERSONAL DETAILS

NAME	Ar. DEEPIKA RATHORE
SEX	FEMALE
D.O.B	25/10/1997
STATUS	MARRIED
NATIONALITY	INDIAN
LANGUAGE	HINDI, ENGLISH
MOTHER'S NAME	LATE MAYA RATHORE
FATHER'S NAME	DINESH KUMAR SINGH

TECHNICAL SKILLS

- M.S WORD
- M.S POWER POINT
- AUTOCAD
- SKETCHUP
- PHOTOSHOP
- VRAY
- ILLUSTRATOR
- REVIT
- LUMION

PROFESSIONAL SKILLS

- PUBLIC SPEAKING
- LEADERSHIP
- TEAM WORKING
- TIME MANAGEMENT
- ADAPTIBILITY

OTHER SKILLS

- SKETCHING
- PAINTING
- PEN AND INK RENDERING
- POTTERY PAINTING
- PHOTOGRAPHY
- COSTUME DESIGNING
- PRODUCT DESIGNING
- GRAPHIC DESIGNING

QUALIFICATION

- B.ARCH (Hons.) - 2015-2020 - M.B.M ENGINEERING COLLEGE, JODHPUR(RAJ.)
- HIGHER SECONDARY - 2015 - VIDHYASHRAM INTERNATIONAL SCHOOL, JODHPUR/CBSE BOARD
- SECONDARY - 2013 - VIDHYASHRAM INTERNATIONAL SCHOOL, JODHPUR/CBSE BOARD

WORK EXPERIENCE

- ABC ASSOCIATES, JODHPUR/ARCHITECTURAL INTERN MAY2017 - JULY2017
- THE GRID ARCHITECTS, AHMEDABAD/ARCHITECTURAL INTERN JULY2018 - JAN2019
- WORKED AS TEAM LEAD IN VARIOUS CITY DEVELOPMENT PROJECTS INITIATED BY JODHPUR DEVELOPMENT ASSOCIATION.
- WORKED AS TEAM LEAD IN VARIOUS DESIGN PROPOSALS AND COMPETITIONS INITIATED BY NATIONAL ASSOCIATION FOR ARCHITECTURE,INDIA.
- PRESENTLY WORKING AS FREELANCING ARCHITECT SINCE OCT2020 IN RAJASTHAN.

ACCOMPLISHMENTS

- PARTICIPATED AND WON VARIOUS DEBATE COMPETITIONS IN SCHOOL AND COLLEGE LEVEL.
- ELECTED AS COUNCIL MEMBER IN SCHOOL FOR 3 CONSECUTIVE YEARS(2012-2015).
- ELECTED AS I.T CLUB COORDINATOR IN SCHOOL FOR MANAGING I.T AND MEDIA HANDLES OF SCHOOL(2015).
- SELECTED AS MISS SCIENCE FOR SESSION 2014-15 IN SCHOOL.
- WON VARIOUS DESIGN COMPETITIONS ORGANISED BY NATIONAL ASSOCIATION FOR ARCHITECTURE,INDIA.
- ELECTED AS CLASS REPRESENTATIVE FOR 3 CONSECUTIVE YEARS (2015-2018) AT UNDERGRAD LEVEL.
- ELECTED AS UNIT TRESURER AT NATIONAL ASSOCIATION FOR ARCHITECTURE(2017-2018).
- ACHIEVED HONS. DEGREE.

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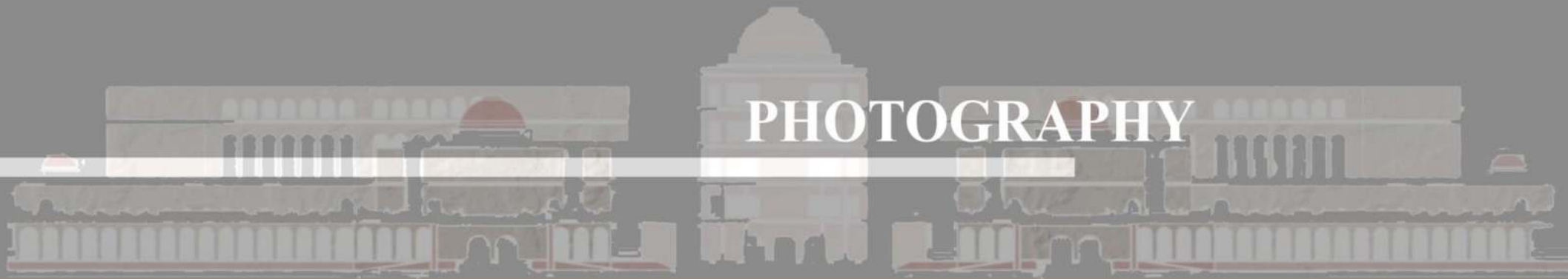
GROUP HOUSING

NASA WORK

THE HOUSE 2.0

PROFESSIONAL TRAINING WORK

PHOTOGRAPHY



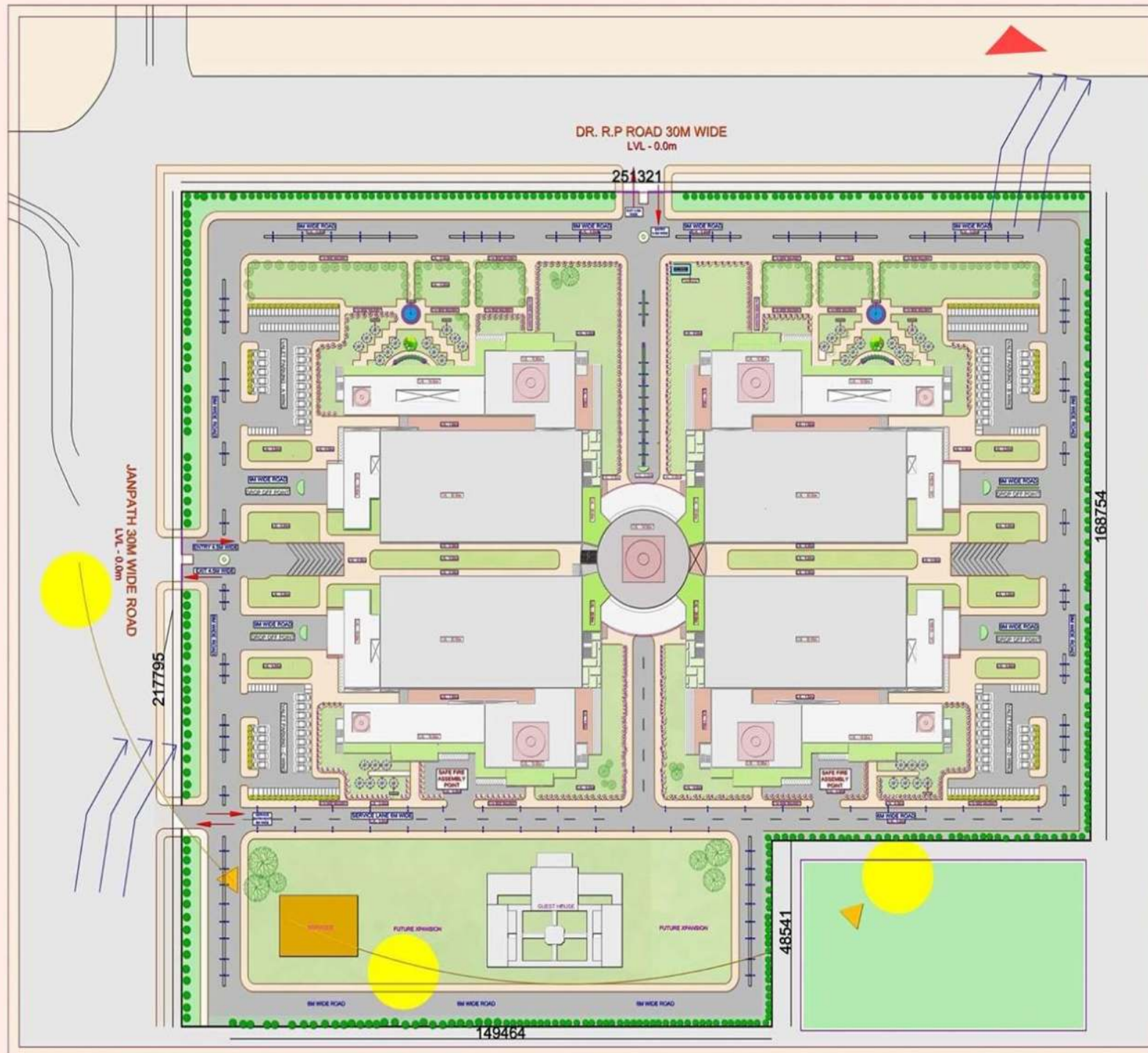
STUDIO WORK





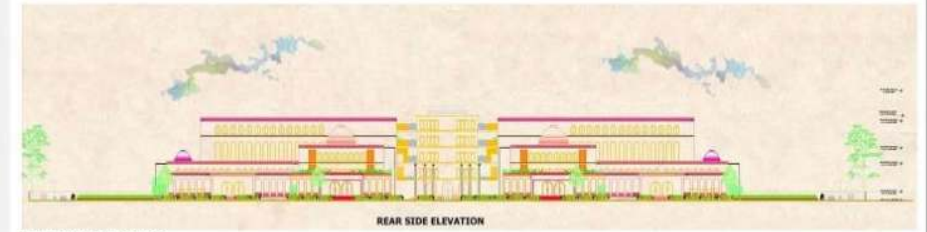
NATIONAL CENTER FOR PERFORMING ARTS

11 ACRES | NEW DELHI | GUIDE : Ar. HARENDRA BOHRA | INDIVIDUAL
THESIS PROJECT

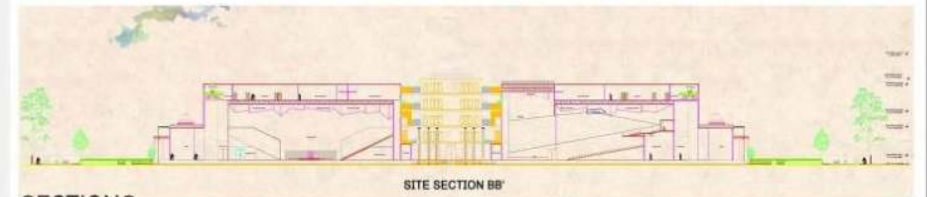


SITE PLAN

NATIONAL CENTER FOR PERFORMING ARTS, NEW DELHI



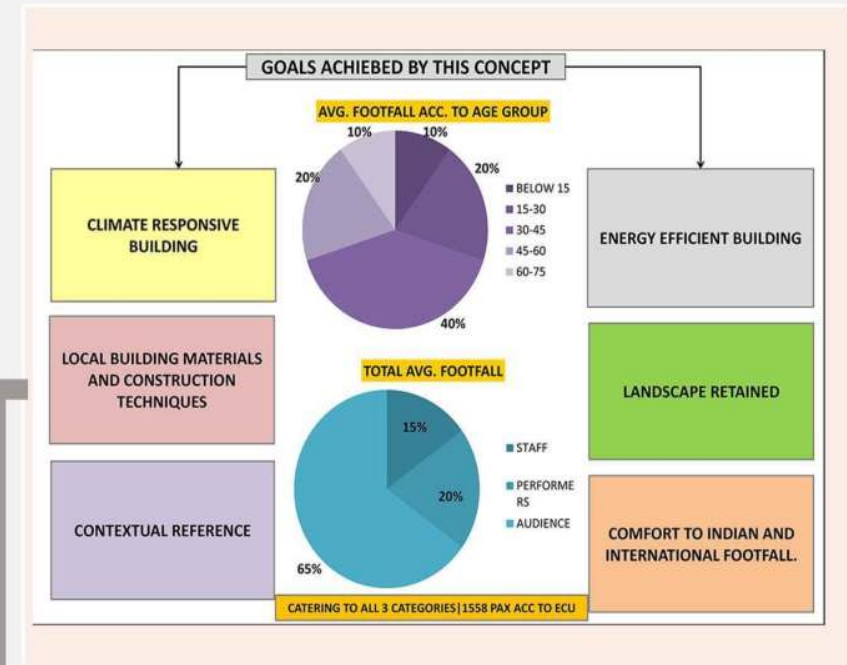
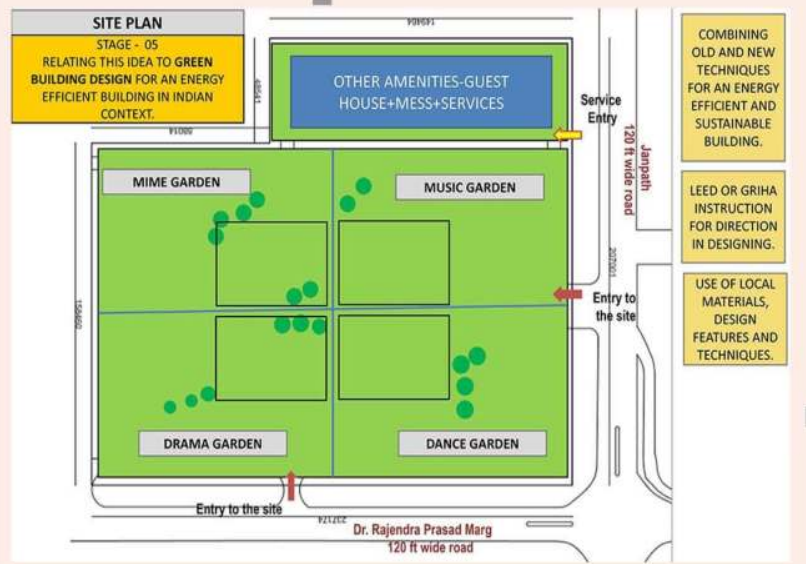
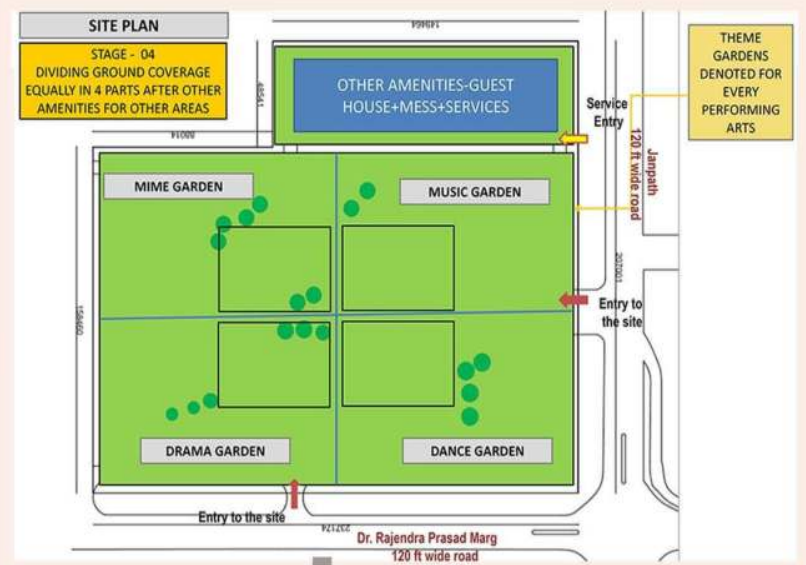
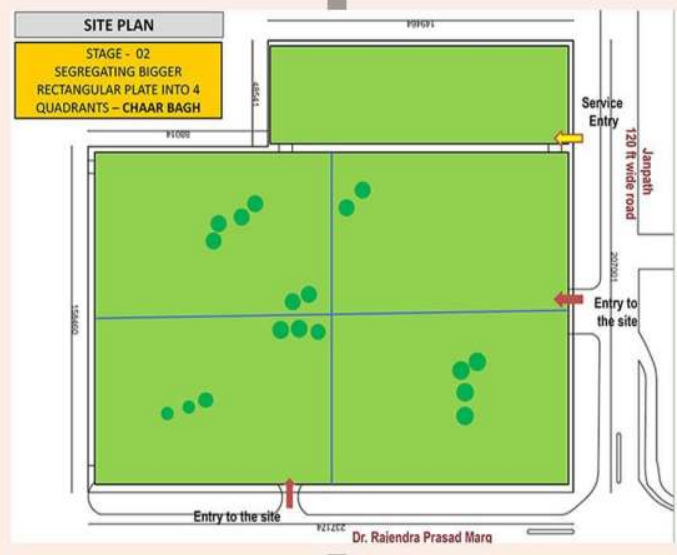
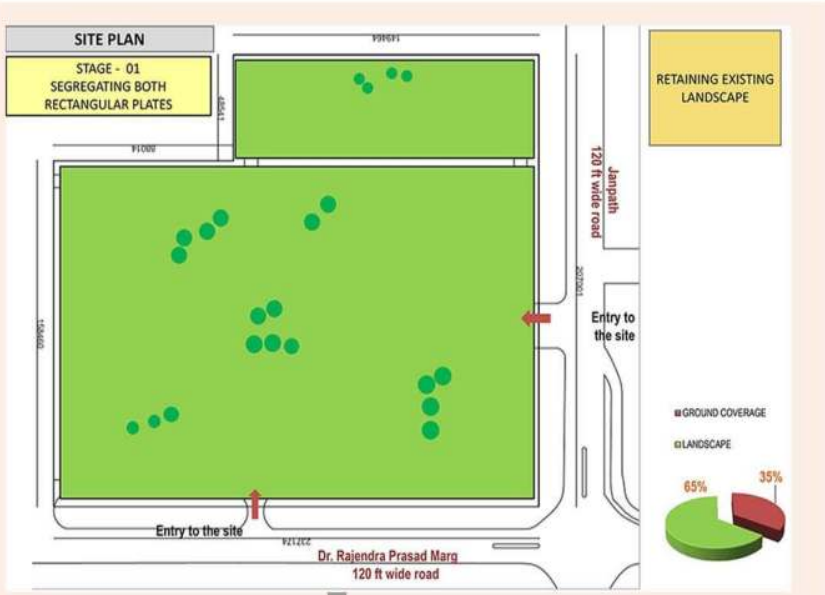
ELEVATIONS



SECTIONS



NCPA, NEW DELHI IS A PLATFORM FOR ARTISANS WORLDWIDE TO SHOWCASE THEIR TALENT, COMING UP ON THE GARDENS OF IGNCA. CONSIST OF 4 PERFORMING THEATRES, ART GALLERY, MUSEUM, CAFE, RESTAURANT, LIBRARY AND VIP STAY.

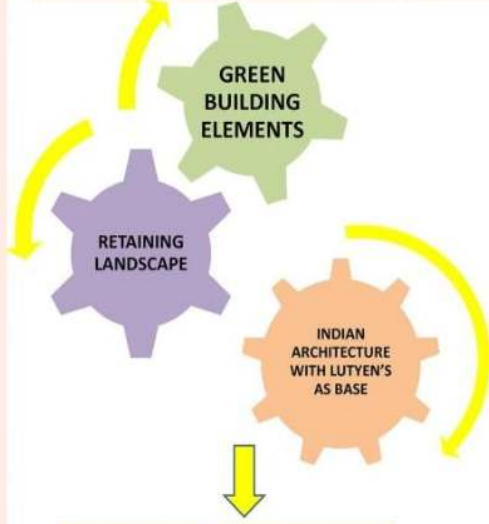


CONCEPT

IT WAS ACHIEVED BY WORKING ON SEVERAL ASPECTS SUCH AS CONTEXTUAL REFERENCE, RETAINING THE OLD, GREEN BUILDING TECHNIQUES .
TAKING CHAAR BAAGH PATTERN TO MAKE IN INDIA AS A SYMBOL OF DESIGN.

CONCEPT

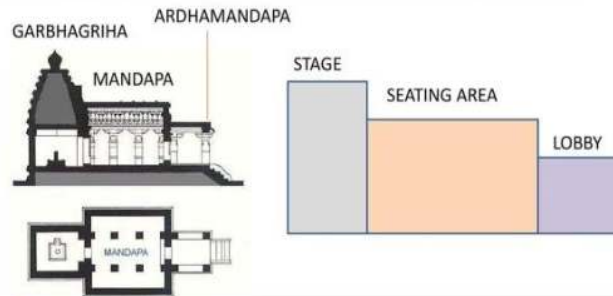
MAKE IN INDIA



IDENTITY TO THE SPACE

India Being The Land Of Cultural Aspects And Heritage Can Build A Strong Identity By Of Its Own By Architecture In Performing Arts.

CREATING A SPACE FOR ALL.



OBSERVING THE LAYOUT OF INDIAN TEMPLES AND A THEATRE, THERE IS SO MUCH RELATIVITY IN BOTH.

- GARBHAGRIHA - MOST IMPORTANT, EVERYONE VISITS TO SEE DEITY SAME AS TO WATCH PERFORMANCE IN THEATRE, STAGE IS SET WITH TRIPLE HEITHED CEILING AS SHIKHAR IN TEMPLES.
- MANDAPA - FOR GATHERING IN CENTER SAME AS SEATING AREA IN THEATRE.
- ARDHAMANDAPA - ENTRANCE HALL, SAME AS LOBBY IN THEATRES.



USING ARCHITECTURAL ELEMENTS OF INDIAN TRADITIONAL TEMPLES AS PERFORMING ARTS ORIGINATED FROM THERE, SUCH AS JALI PATTERNS, DOMES FROM SANCHI STUPA, RAILINGS, ALSO ADAPTABLE TO DELHI'S CLIMATE.

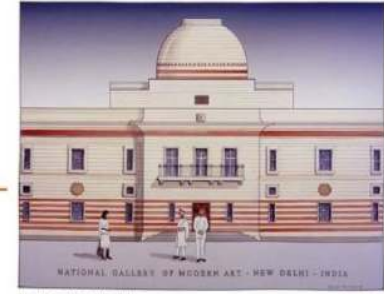
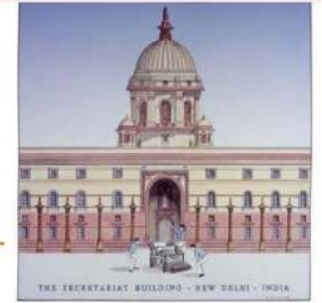
PLANNING WILL BE EVOLVED BY LUTYEN'S ZONE AND ACCORDING TO DELHI'S CLIMATE WITH AMALGAMATION OF CULTURAL HERITAGE TO GIVE A CULTURAL AND CREATIVE ESSENCE TO THE PLACE.

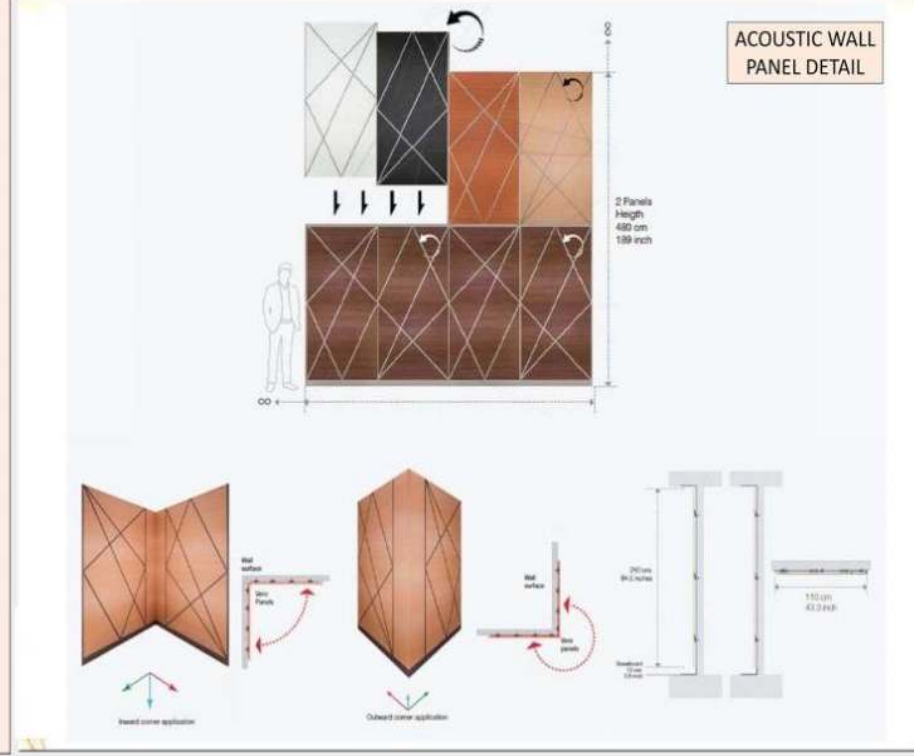
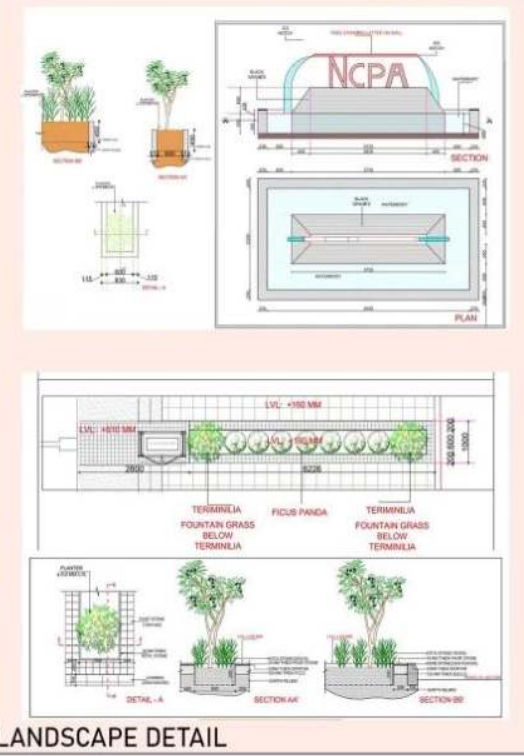
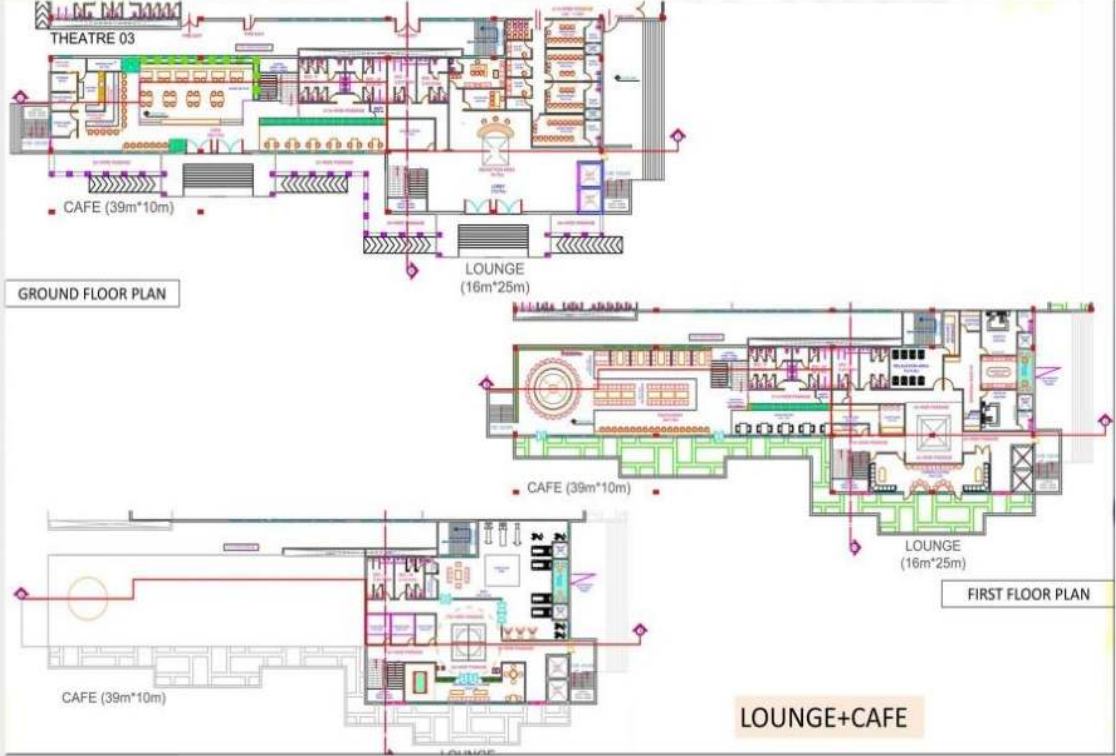
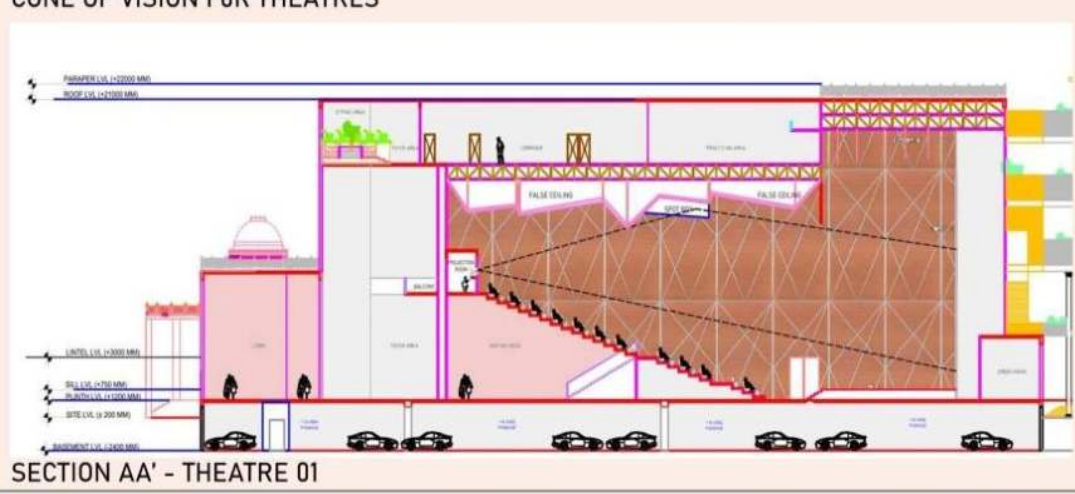
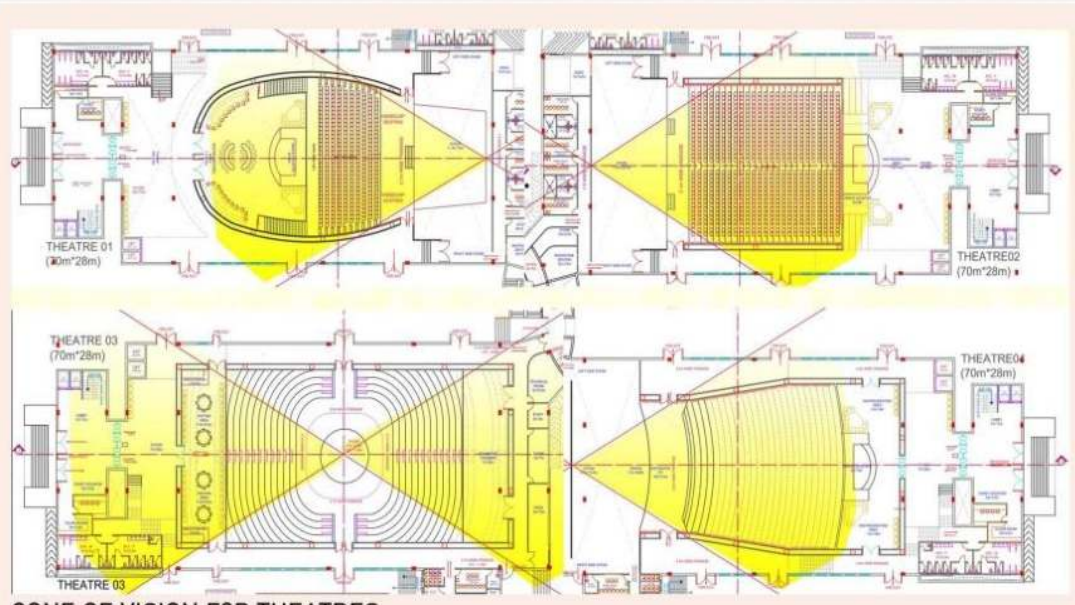
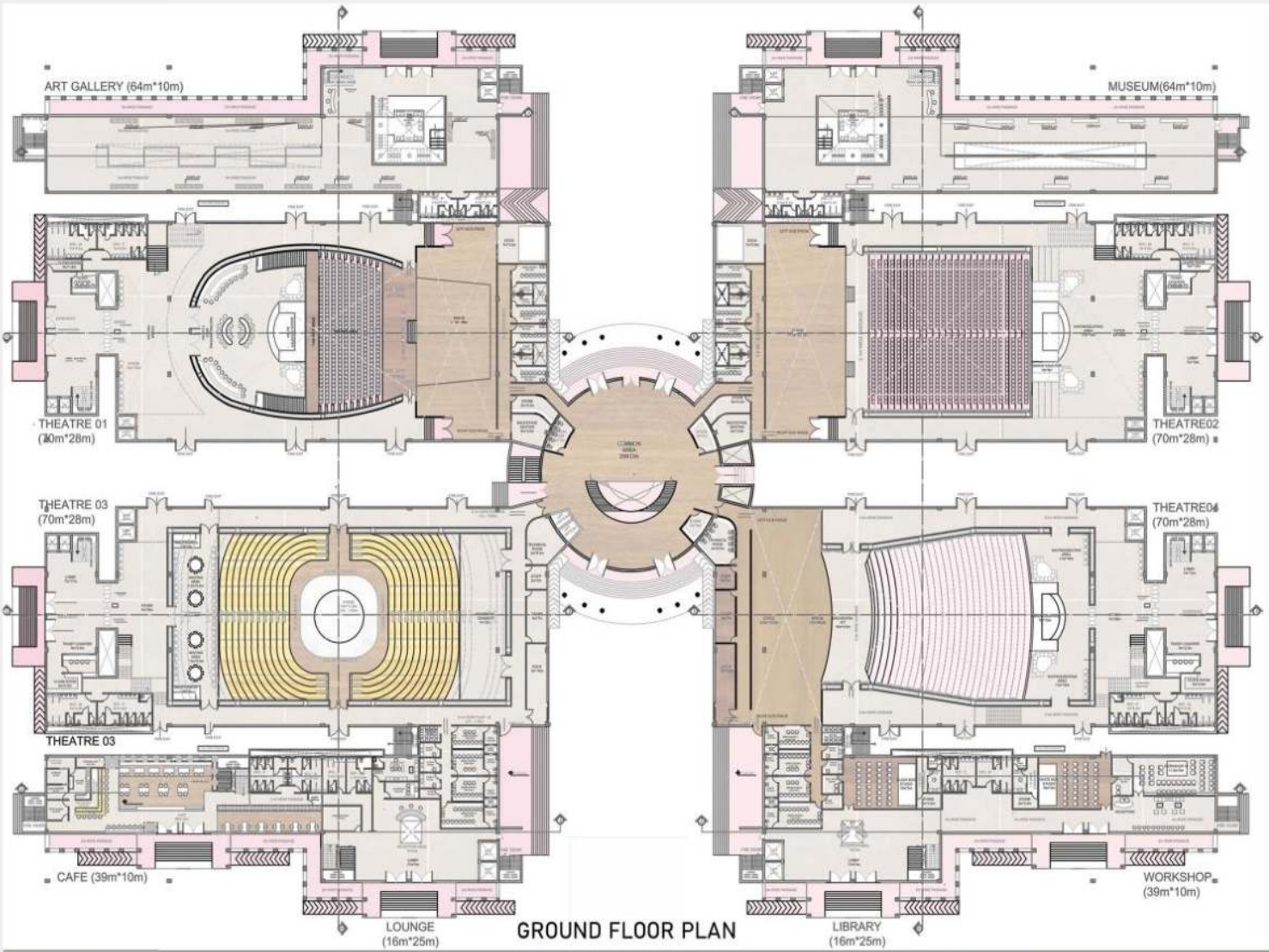


BUTTERFLY PLANNING, PROMINEINT ON CENTRAL VISTA, SEEN IN JAIPUR HOUSE, INSPIRATION FROM IT IN FLOOR PLANS



USING SANDSTONES AS LIGHT AND DARK COMBINATIONS IN ELEVATIONS, ADAPTABLE TO CLIMATE AND EASILY AVAILABLE. ALSO FITS IN CONTEXTUAL REFERENCE TO OTHER NEARBY BUILDINGS.



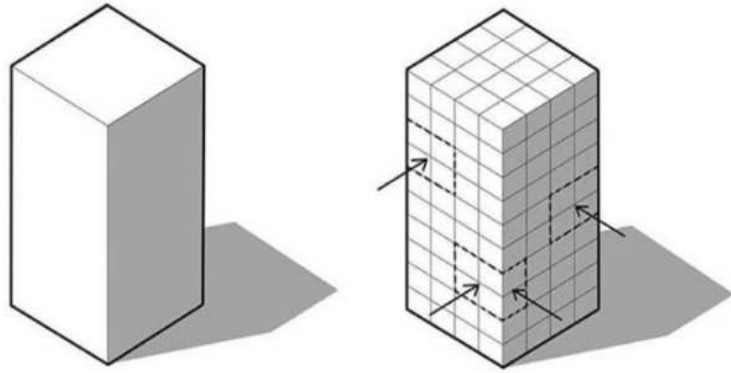




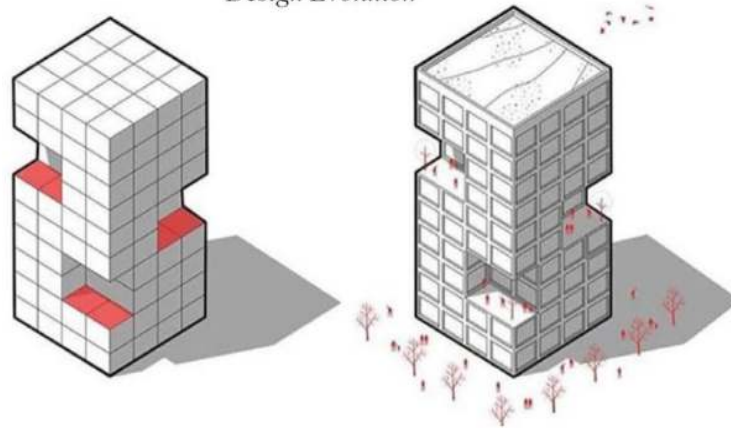
GROUP HOUSING

5 Acre | JAIPUR, RAJASTHAN | GUIDE : DR. RAJESH SHARMA | INDIVIDUAL

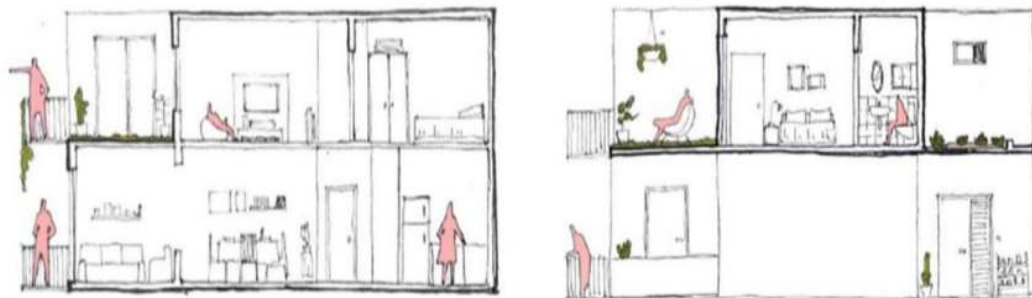
ACADEMIC PROJECT



Design Evolution



The **project brief** was to offer a collective housing as a means of forming a diverse community that shares a difference in culture and offers affordable housing ensuring that users from the full spectrum of India's middle class all mingle - young, mobile professionals who are new to the city; older, established residents; and families both large and small, all at a range of income levels.



Conceptual Sketches

After performing a survey for the residents living in a housing society for more than 10 years, a conclusion was made that they still somewhere prefer the life in a individual house where they had enough individual space that is now not possible living in a high density housing. So keeping that in mind, the **concept** was to create a space within the high-rise building that can be used as a individual recreational space. For that the middle floor which is common in both apartments was used as an individual recreational spaces or also could be used as a home office, looking at the current scenario (post covid-19 situation).

CONCEPT



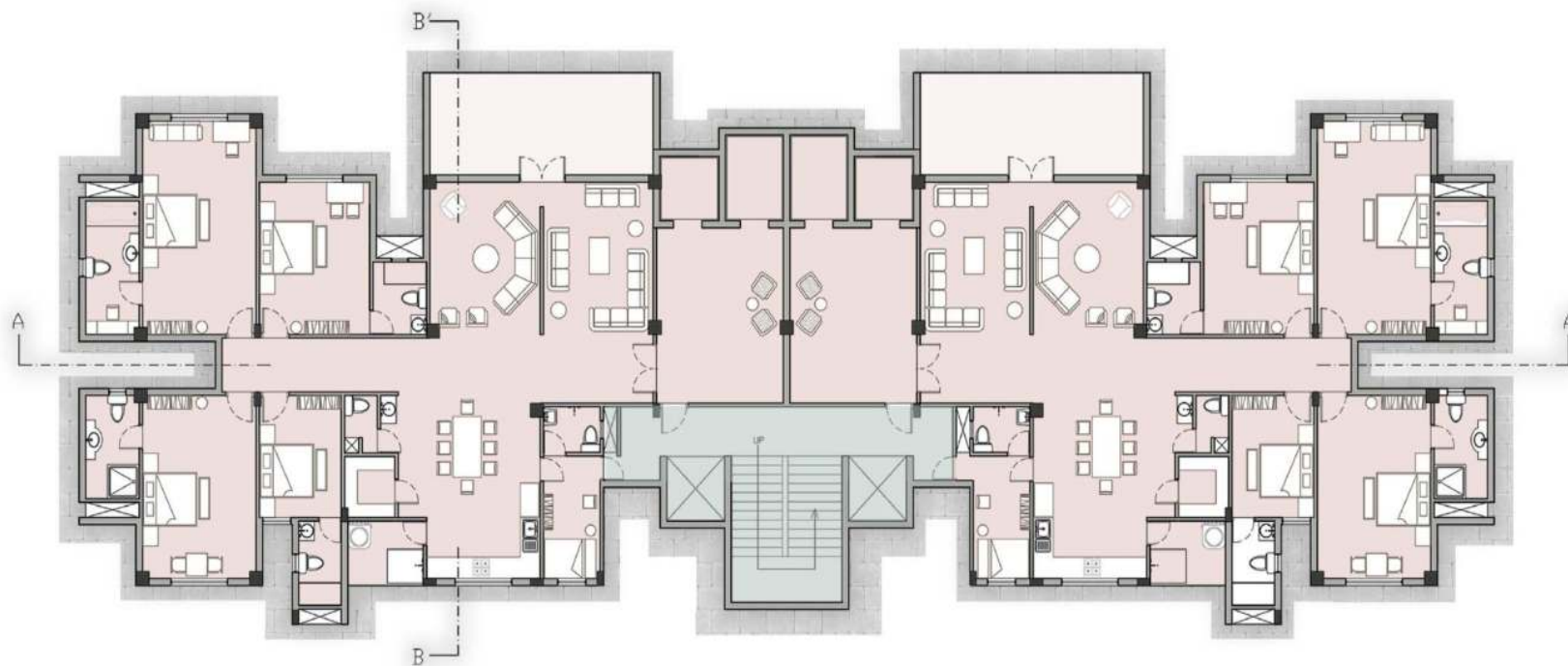
SITE PLAN



5BHK - I CLUSTER PLAN



5BHK - II CLUSTER PLAN



4BHK - I CLUSTER PLAN



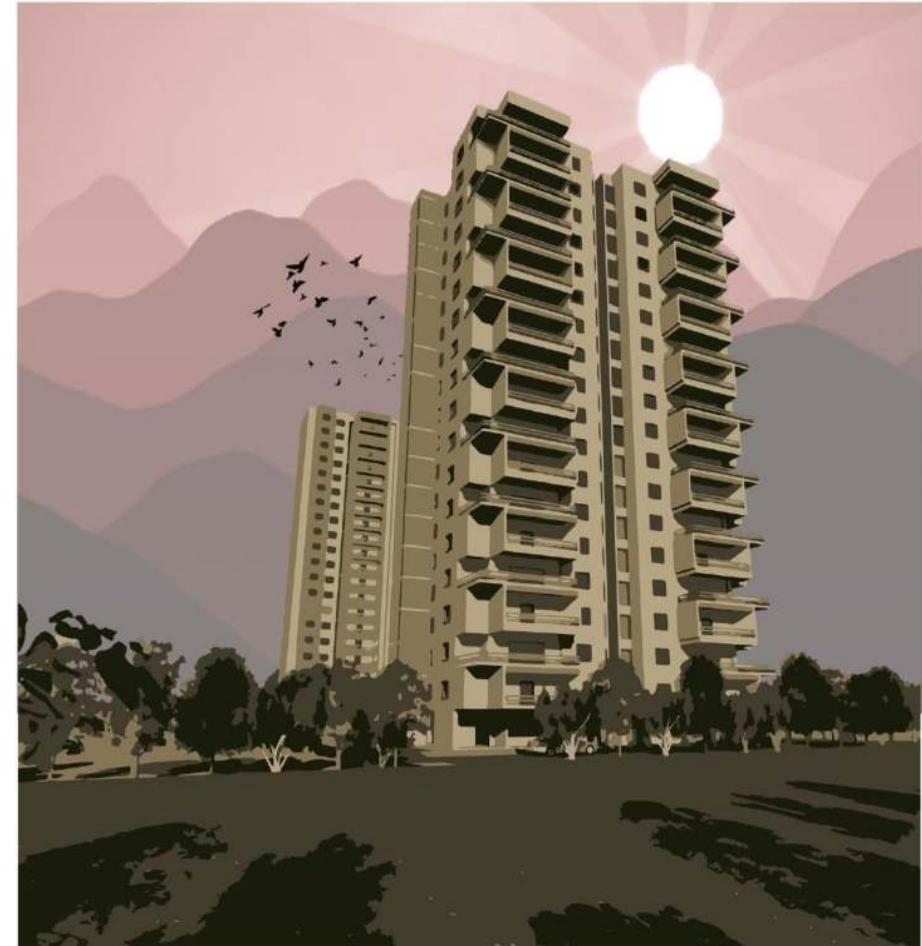
4BHK - II CLUSTER PLAN



LIVING ROOM ILLUSTRATION



ELEVATION AND SECTION ILLUSTRATION



Designed as a mix of solids and voids for a breathable environment, whilst keeping the spaces exclusive and private, away from the hustle of community spaces.

NASA WORK



ABOUT THE SITE

THE PUMPING STATION IS LOCATED IN KRISHNA NAGAR, BASNI JODHPUR(RAJ.)

JODHPUR, BEING IN THE ARID REGION OF THE COUNTRY, ALWAYS FACED THE PROBLEM OF DROUGHT AND WATER SCARCITY. IN 1938, A 60 MILES LONG CEMENT CANAL FROM HEMAWAS DAM UNDER SARDAR SAMAND WATER SUPPLY SCHEME, WAS LAID TO JODHPUR IN THE REIGN OF MAHARAJA UMMAID SINGH JI TO GET RID OF WATER SCARCITY. DUE TO THE LEVEL DIFFERENCES, HE DECIDED TO CONSTRUCT 7 PUMPING STATIONS IN THE CITY. THE PUMPING STATION SITUATED IN BASNI AREA IS ONE OF THE SEVEN AND AMONGST THE OLDEST CONSTRUCTION OF CITY, WHICH WAS INAUGURATED ON 29TH APRIL 1938.



THE STRUCTURE AGES TO 1938 AND IS AMONGST THE OLDEST STRUCTURES BUILT BY THE FORMER KING OF JODHPUR WHICH NEEDS TO BE PRESERVED. THE CONDITION OF THE PUMPING STATION WAS MISERABLE AS IT HAD TURNED INTO AN ILLEGAL DUMP YARD AND A PLACE FOR ILLEGAL ACTIVITIES, AS IT WAS NO LONGER SERVING ITS PURPOSE. THE LITTERED GARBAGE CREATED AN UNHEALTHY ENVIRONMENT, HENCE THE SITE WAS IN A NEED OF QUICK ATTENTION TO GET CLEANED AND TO BREATHE AGAIN IN THE PAGES OF HISTORY.

SITE JUSTIFICATION SITE HISTORY

- ACCESSIBILITY**
- DISTANCE FROM AIRPORT - 9KM
 - DISTANCE FROM BUS STAND - 2.5KM
 - DISTANCE FROM RAILWAY STATION - 3.8KM
 - ROAD WIDTH - 12 FEET



TO MAKE THE SPACES FREE FROM GARBAGE, AND STOP THE PRACTISE OF ILLEGAL DUMPING. LAND BEING THE MOST IMPORTANT RESOURCE SHOULD NOT BE BURIED UNDER THE HEAPS OF WASTE AND GARBAGE, BUT SHOULD BE USED FOR THE NEEDY.



CONCEPT

IN TODAY'S TIME WHERE THERE IS SO MUCH STRESS ON ALL THE AGE GROUPS, RELAXING IN THE ARMS OF NATURE AND GETTING OUT OF THEIR WEB IS SO IMPORTANT TO LEAD A HEALTHY LIFE. BY USING OPTIMISTIC DESIGN ELEMENTS AND MATERIALS A SPACE THAT INVITES ALL AGE GROUPS AND CLASS IS ACHIEVED. WHICH WOULD BE A REAL PAY BACK TO THE SOCIETY.

PROBLEM IDENTIFICATION

- ILLEGAL DUMPING FROM NEARBY COLONIES
- PEOPLE RELUCTANT TO PASS BY THAT AREA
- ILLEGAL ACTIVITIES SUCH AS SMACKING, DRUGS ETC.
- THREAT TO SOCIETY (SPECIALLY FEMALE GENDER).
- THREAT TO STRAY ANIMALS.
- DUE TO NO PROVISION OF BOUNDARY OR FENCING, CHANCES OF ACCIDENTS WERE HIGH.
- UNHEALTHY ENVIRONMENT AND A BREEDING GROUND FOR MOSQUITOS.
- LAND DEGRADATION



- SOLUTIONS**
- CREATE AWARENESS AMONG PEOPLE ABOUT CLEANLINESS ISSUES.
 - STOP ILLEGAL DUMPING,
 - PUT A STOP ON ILELEGAL ACTIVITIES OF DRUGGING AND SMACKING,
 - PUT DUSTBINS AROUND THE AREA SO THAT PEOPLE CAN USE THOSE,
 - PROMOTE A HEALTHY ENVIRONMENT AND SOCIETY.
 - CREATE FENCING ALL AROUND THE PLOT TO AVOID ACCIDENTS AS THE PLOT IS SET DOWN ON A SLOPE OF ABOUT 25 FEET.

EXISTING CONDITION

PUMPING STATION 3-

THE PROPERTY WAS NOT MAINTAINED OR LOOKED AFTER BY ANY PUBLIC OR PRIVATE AUTHORITY. THE PUMPING STATION WAS IN A WRETCHED STATE BECAUSE IT HAD TURNED INTO AN ILLEGAL DUMP YARD REASON BEING IT WAS NO LONGER SERVED ITS PURPOSE.



MADHUBAN COLONY

- THIS COLONY DISPOSES ALL ITS HOUSEHOLD WASTE AT THE PUMPING STATION, CREATING AN UNHEALTHY ENVIRONMENT FOR THE HABITANTS.
- THE MUNICIPAL CORPORATION WAS VERY INACTIVE AND LINIENT TOWARDS THE SITUATION.
- WASTE MANAGEMNET WAS VERY MISMANAGED.



KRISHNA NAGAR COLONY

- PEOPLE FROM THIS COLONY DIDN'T DISPOSE OFF THEIR HOUSEHOLD WASTE AT THE PUMPING STATION.
- THE WASTE MANAGEMENT IS CONTROLLED, AS WITH THE HELP OF MUNICIPALITY THEY HIRED WASTE CARRYING TRUCKS WHICH COLLECTS THEIR WASTE DAILY.



SURVEY

- SHOULD THE SITE BE CONSERVED? (5 icons)
- WILL IT BE LOOKED AFTER BY THE RESIDENTS? (5 icons)
- SHOULD THE STUDENTS TAKE ANY STEP TO CONSERVE IT? (5 icons)
- SHOULD DUSTBINS BE PLACED? (5 icons)
- HOW MANY PEOPLE DISPOSE GARBAGE THERE ON A REGULAR BASIS? (5 icons)
- HOW SATISFACTORY IS THE OUTCOME? (5 icons)



OUTCOME

THE SITE IS NOW FREE FROM GARBAGE AND FOUL SMELL AND BEING USED AS A COMMUNITY SPACE WITH A WELL PLANNED ROOF TOP FOR ALL AGE GROUPS. THE DULL WALLS OF THE PUMPING STATION ARE PAINTED WITH COLORFULL PAINTINGS THAT CHEER UP THE MOOD OF THE STRESSED COMMUNITY. THE PRACTICE OF SMACKING AND DRUGS HAS BEEN STOPPED AS THE STRUCTURE IS NOW USED AS A STORAGE FOR WATER WORKS WITH A PROPER CHECK AND WILL BE FURTHER CONVERTED INTO A CAFE. THE PROPERTY IS NOW LOOKED AFTER BY THE SOCIETY, JOOHPUR DEVELOPMENT AUTHORITY AND WATER WORKS, JODHPUR.

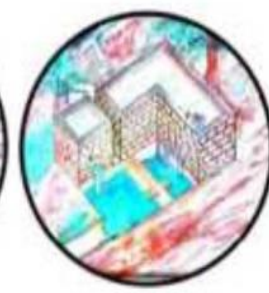
AUGUST, 2017



JULY, 2017



YEAR 1938



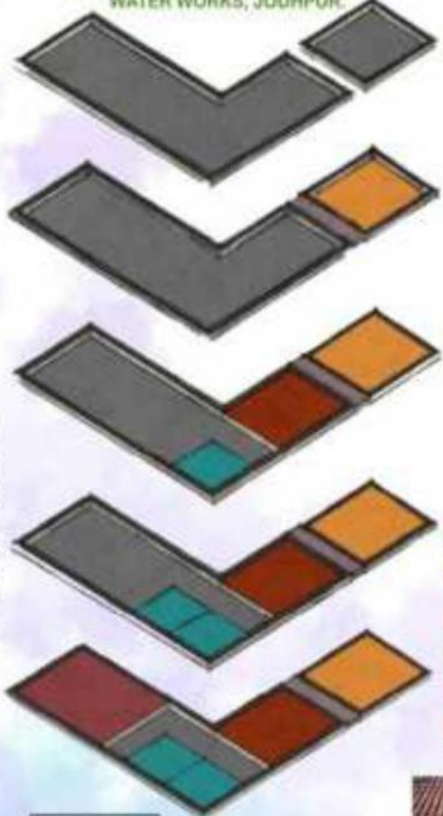
TRANSFORMATION CAN ONLY TAKE PLACE IMMEDIATELY, THE REVOLUTION IS NOW, NOT TOMORROW.



SETTING UP DUSTBINS- ALONG WITH AWARING THE HABITANTS OF MADHUBAN COLONY AND PEOPLE AROUND BY NUKKAD NATAKS AND RALLIES, DUSTBINS WERE ALSO PLACED AT REGULAR INTERVALS AT EVERY STREET CORNER, INSTEAD OF PLACING THEM INFRONT OF THEIR RESIDENCE. THUS CREATING A BETTER ENVIRONMENT AND A HEALTHY HABIT OF WALKING.



BLOCK ZONING



- CAMP FIRE AREA
- OPEN ACTIVITY AREA
- PERGOLA
- RECREATIONAL AREA

SITTING AREAS

A SMALL AREA WHICH HAS BEEN ALLOTTED FOR SEATING PURPOSE IS CREATED BY USING OLD TYRES WHICH ARE KNITTED WITH NYLON FIBRES ALONG WITH TABLE MADE FROM COOLER STANDS COVERED FROM NET USED IN FENCING PURPOSE.



RECREATIONAL AREA

ALONG WITH PERGOLA A SMALL AREA FOR RECREATIONAL ACTIVITIES AND FOR LEARNING PURPOSE IS DESIGNED FOR NEARBY SLUM AND NEIGHBOUR HOOD KIDS.



CAMP FIRE AREA

IT HAS BEEN DESIGNED BY USING FLY ASH BRICKS AND WASTE PLY WOOD FOR SEATING PURPOSE, DECORATED BEAUTIFULLY WITH COLORS.



PERGOLA

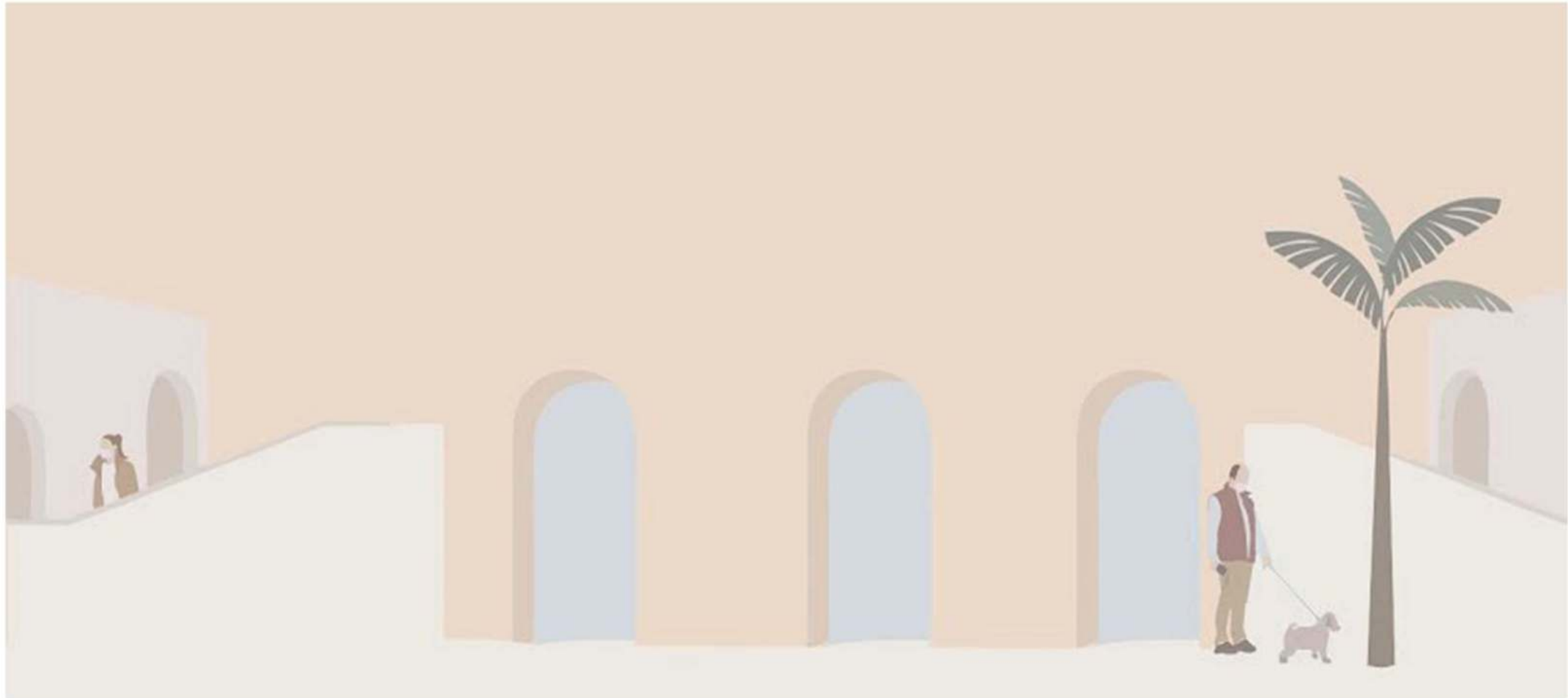


THE DESIGNED PERGOLA IS INSPIRED BY THE TRADITIONAL RAJASTHANI ROOFING SYSTEM - KELU, WHICH INVOLVES C - SHAPED TILES JOINED TO EACH FACING INVERSELY. TO CARRY OUT SAME TECHNIQUE WASTE PLASTIC WATER BOTTLES ARE USED, CUT INTO HALF AFTER REMOVING TOP AND BOTTOM, CREATING A SAME SEQUENCE, ALSO CREATING CAPPILARIES WHICH DRAINS OFF RAINWATER. THE ROOF IS SUPPORTED BY BAMBOO POSTERS.

FENCING

TO CREATE A BOUNDARY ALONG WITH FENCING FOR THE SITE, OLD MATKAS AND BAMBOO ARE USED. THE MATKAS ARE FIXED UPSIDE DOWN WITH THE HELP OF CEMENT. THE BAMBOO HERE IS INSERTED IN THE MATKA BY MAKING A HOLE ON THE TOP AND FOR THE SUPPORT, SOIL AND MANURE IS FILLED IN, HENCE ALSO ACTING AS SMALL PLANTERS.





THE HOUSE 2.0
BY ARCHDAIS

THE EARTH DOME

TH345194

Location: Mashada Lake, Shimla

A one-of-a-kind residence created in the cold, dry climate of Shimla, the house envisions a pandemic-safe kind of outdoor co-living away from the hustle and bustle of contemporary life, a refuge for seeking peace and tranquility.

CONCEPT

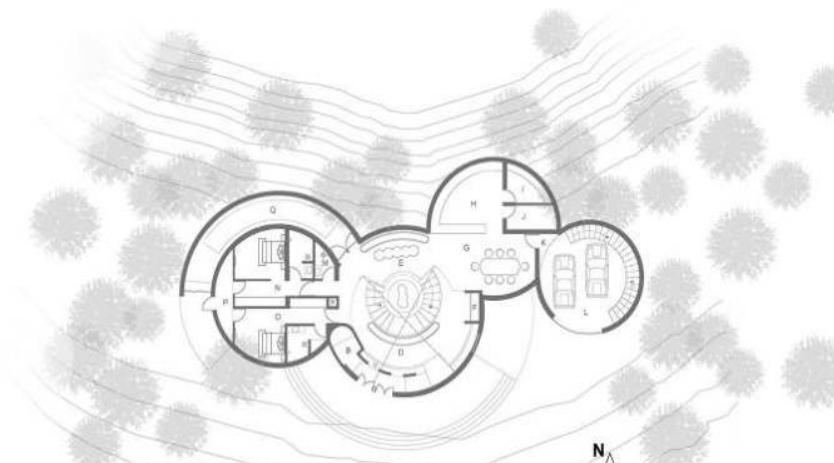
In the post-pandemic age, one's attention is focused solely on the problem at hand, which is the corona-virus. The design concept considers not just the current pandemic, but also what may arise in the future. The structure is inspired by an igloo as per the climate. Post-disaster/post-war architecture must address both the short-term requirement for emergency shelter and the longer-term demand for more permanent shelter.

PLANNING

Planning is done so that the individual living inside the abode feels calm and at peace. The structure has its own uniqueness with double heightened spaces and natural light and air flowing all around, scenic views from every angle, and openness. Each area is planned according to Vastu which maintains the inner chakras of body and soul.

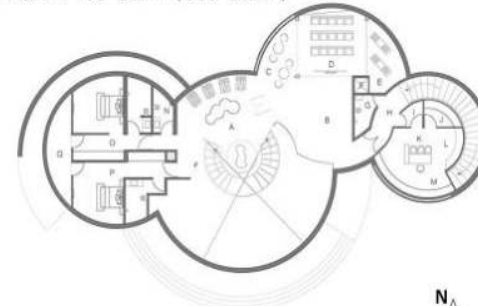
FORM & SHAPE

THE EARTH DOME is home in response to the growing threat that climate change brings to Indian communities. A conventional house is more vulnerable to the effects of severe external air temperatures than a Bermed earth-sheltered structure. The idea is to blend the structure into the landscape more harmoniously than a conventional dwelling. Nature's most efficient form is spherical, which covers the major living space with the least value of the surface area. The purpose of a home is to shelter individuals from the dynamic forces that occur as a result of social, technological, and environmental difficulties. Not only a dome house is energy efficient it's also disaster-resistant.



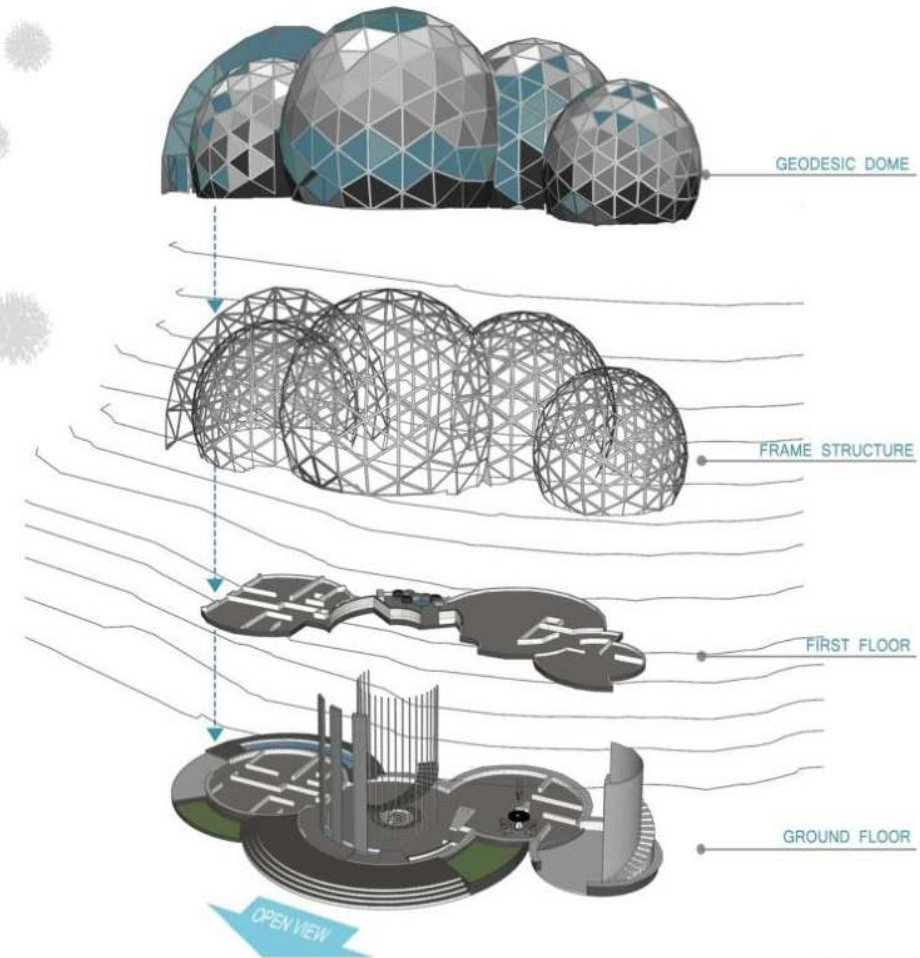
GROUND FLOOR PLAN
PLOT AREA: 7150 SQFT (665 SQMT)

- | | | |
|-------------------------------|---------------------|--------------------|
| A - ENTRANCE PORCH | G - DINING AREA | M - POWDER ROOM |
| B - CLOAK ROOM-SANITIZING CH. | H - KITCHEN | N - MASTER BEDROOM |
| C - WATER STREAM | I - STORAGE | O - BEDROOM 02 |
| D - DRAWING AREA | J - UTILITY | P - GREEN AREA |
| E - LIVING AREA | K - SECONDARY ENTRY | Q - POOL |
| F - POOLA SPACE | L - GARAGE-STORE | R - PLUMBING SHAFT |



FIRST FLOOR PLAN

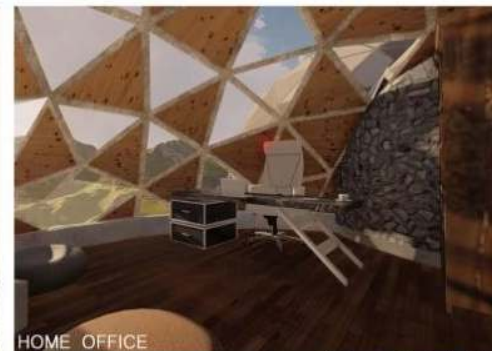
- | | | |
|--------------------|---------------------|------------------|
| A - LOUNGING AREA | G - WASHROOM | M - READING AREA |
| B - GYM | H - ENTRY TO OFFICE | N - COMMON W/C |
| C - PLAY AREA | I - SANITIZING CH. | O - BEDROOM 03 |
| D - HOME THEATRE | J - LOUNGE | P - BEDROOM 04 |
| E - STORAGE | K - WORKSPACE | Q - GREEN AREA |
| F - PLUMBING SHAFT | L - PANTRY | |



EXPLODED AXONOMETRIC VIEW



SITE VIEW

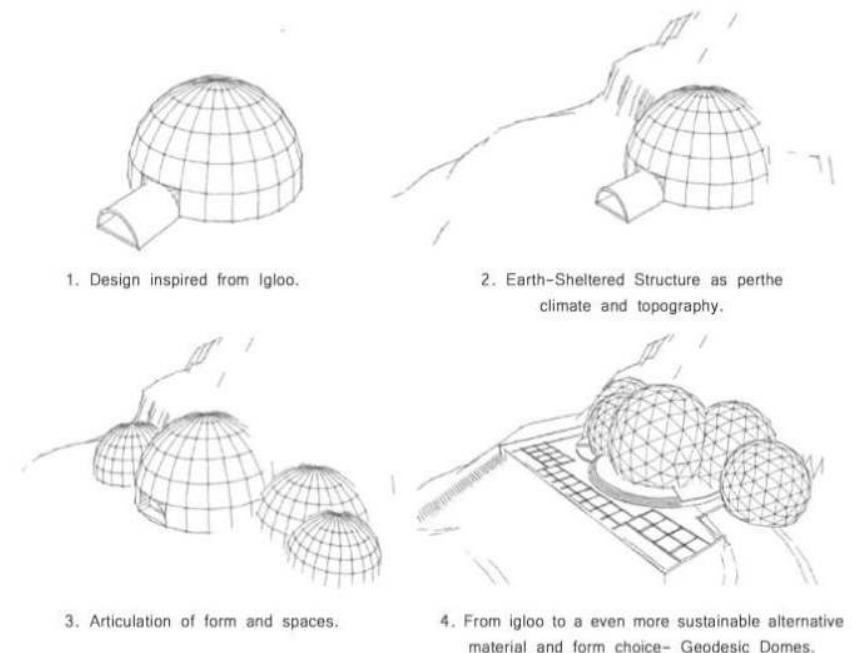


HOME OFFICE



LIVING ROOM

DESIGN EVOLUTION



1. Design inspired from Igloo.

2. Earth-Sheltered Structure as per the climate and topography.

3. Articulation of form and spaces.

4. From igloo to a even more sustainable alternative material and form choice- Geodesic Domes.



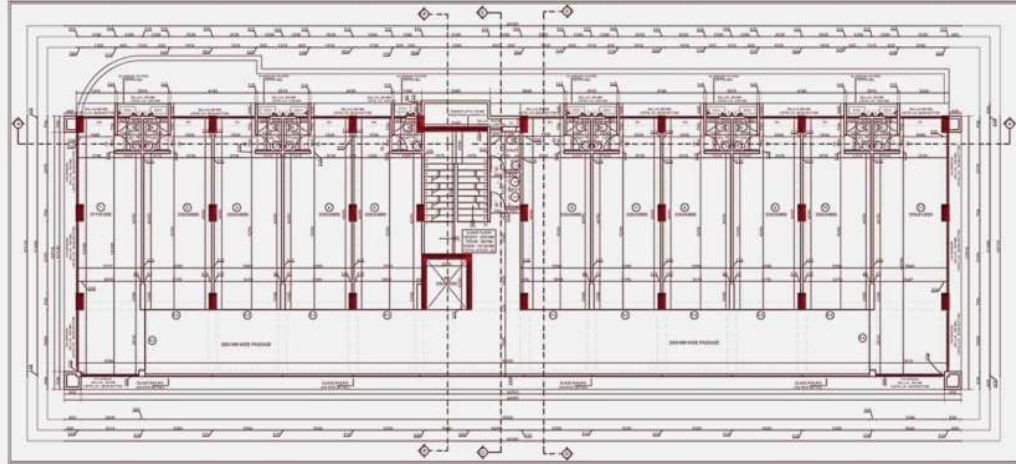
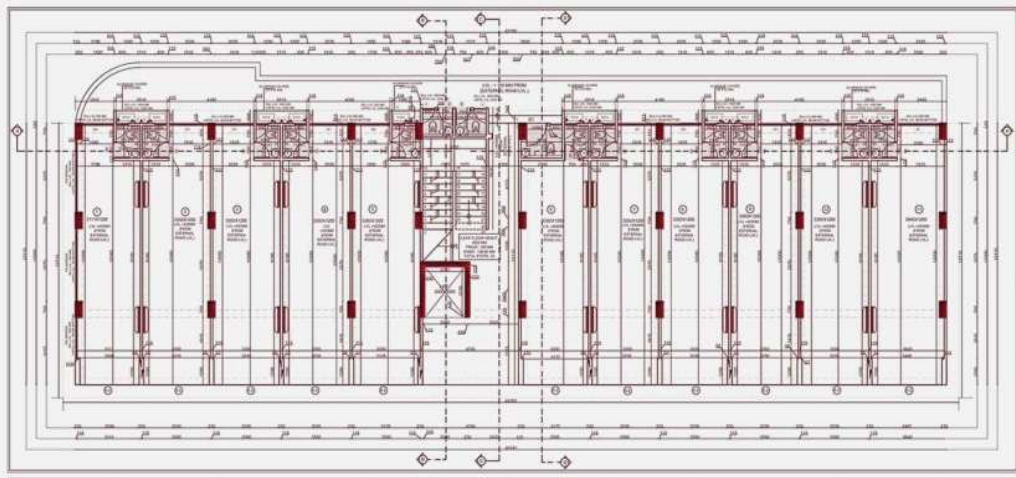
PROFESSIONAL TRAINING



SITE PLAN



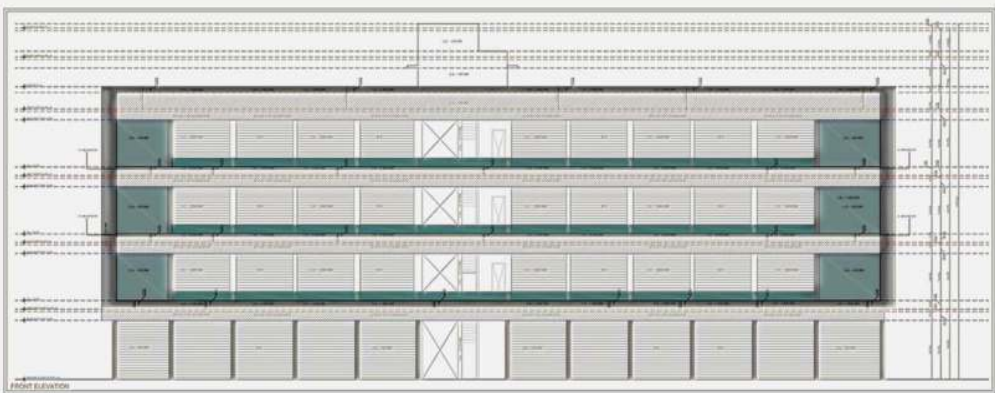
SECTIONS



PLANS



ELEVATION



COMMERCIAL + RESIDENTIAL PROJECT

WORKED ON :

- WORKING DRAWINGS
- ELEVATIONS
- SECTIONS
- STOP SECTIONS
- LANDSCAPE DETAILS
- CANOPY DETAILS
- 3D

LOCATION : GANDHINAGAR, GUJ.

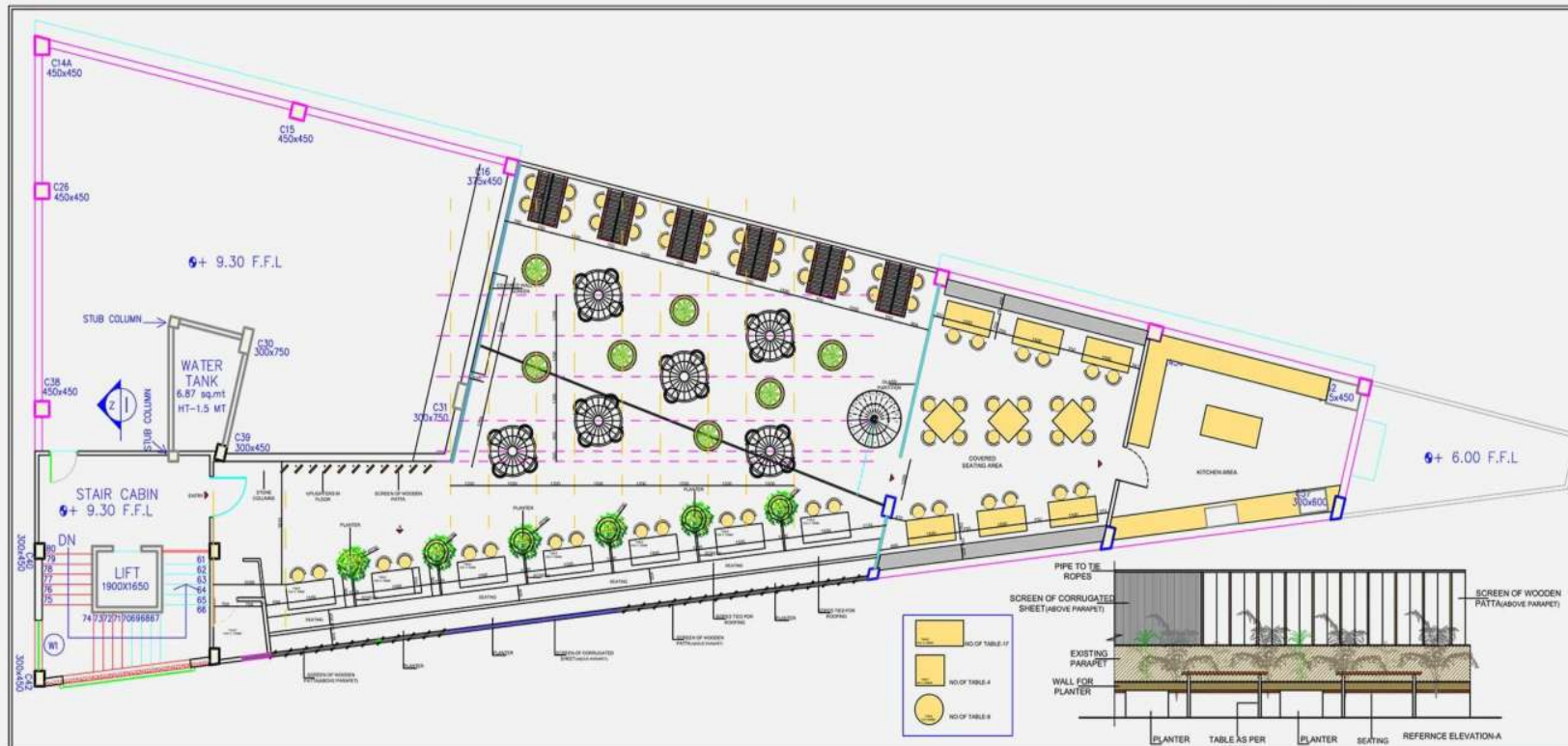
AREA: 1.5 ACRES



VIEW 1 : OPEN SEATING



VIEW 2 : CANOPY SEATING



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PROJECT NAME AND ADDRESS
TERRACE CAFE

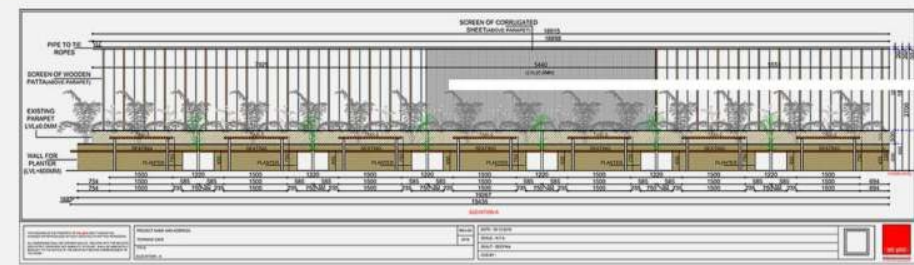
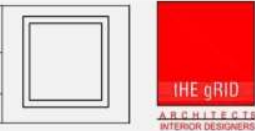
TITLE
WORKING PLAN

REV-00
2018

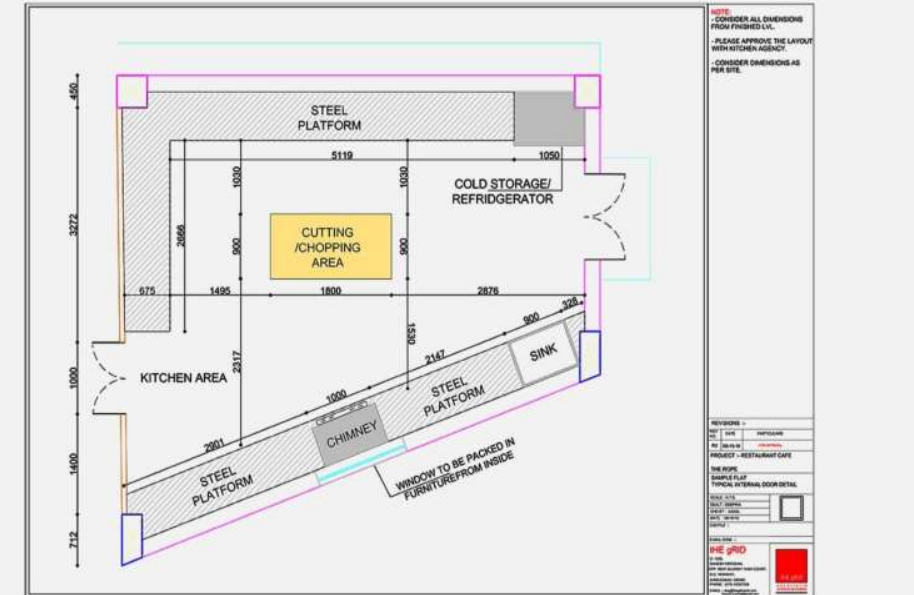
DATE - 05-10-2018

SCALE - N.T.S.

DEALT - DEEPIKA



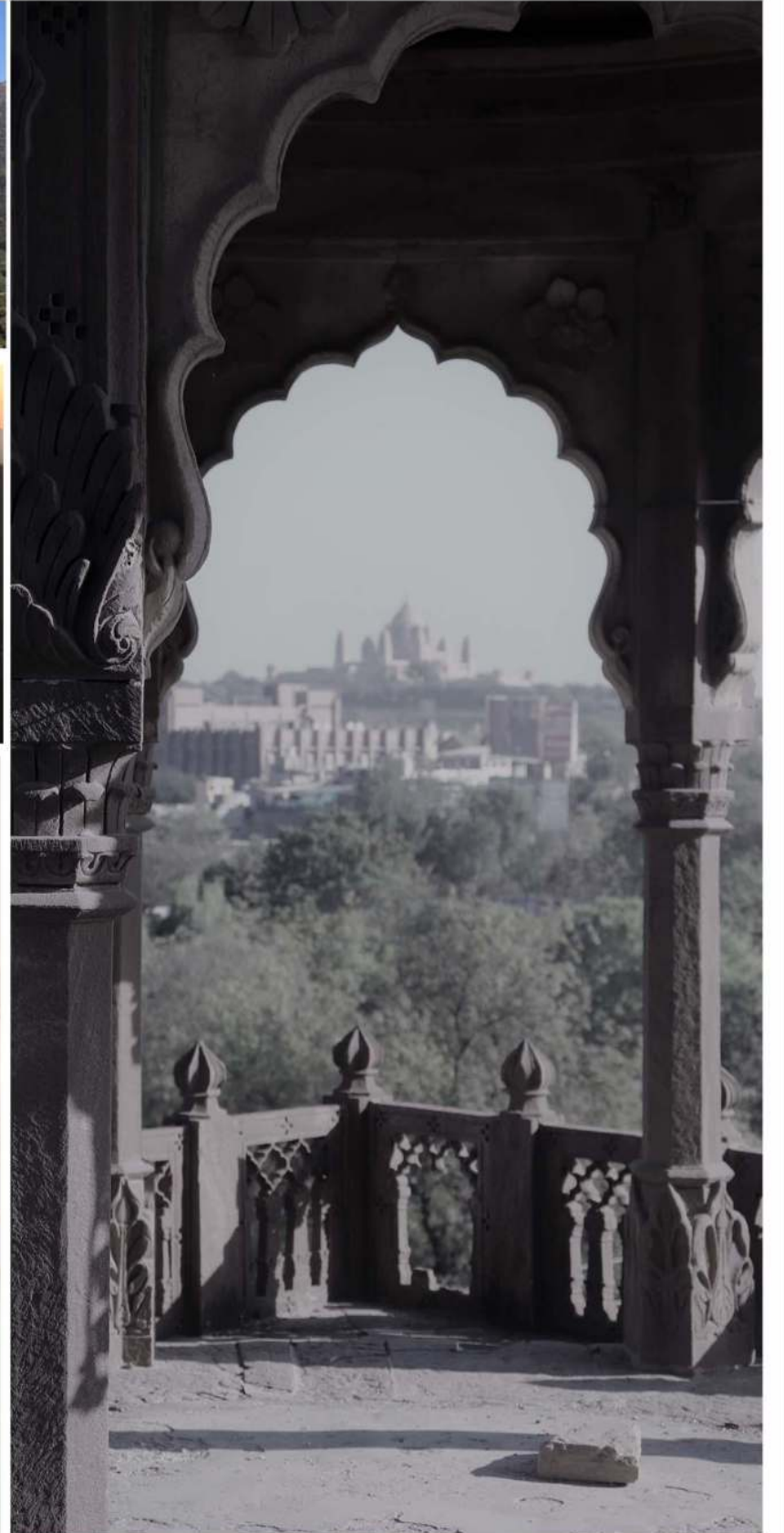
WALL ELEVATION 1




KITCHEN LAYOUT

PLAN (TERRACE LEVEL)

PHOTOGRAPHY





THANK YOU FOR YOUR CONSIDERATION

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