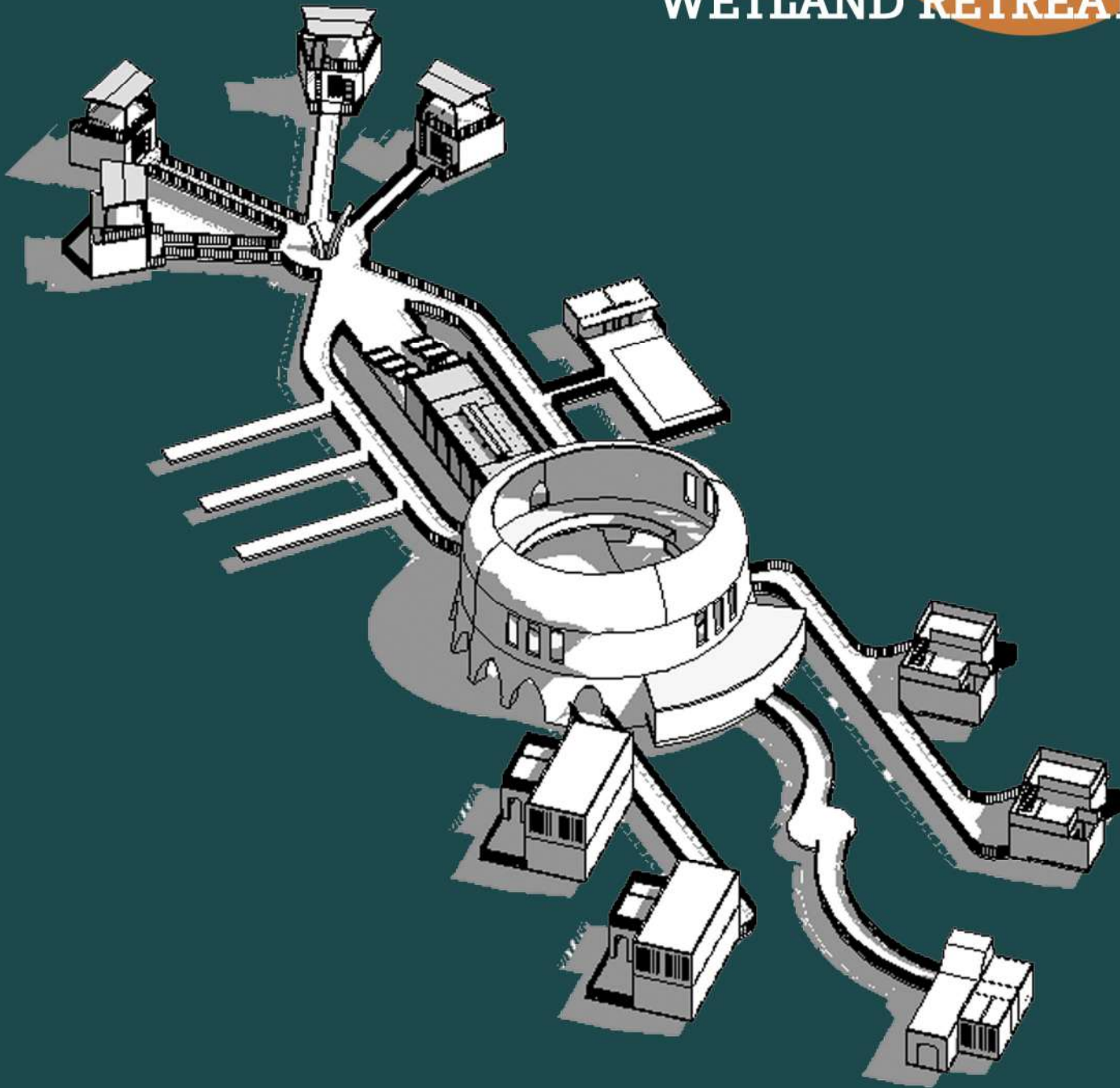


KENI
WETLAND RETREAT



ANAWILUNDAWA
WETLAND RETREAT

**SPATIAL AND TECTONIC DESIGN
RESOLUTIONS**

D. A. FERNANDO

SLIIT SCHOOL OF ARCHITECTURE

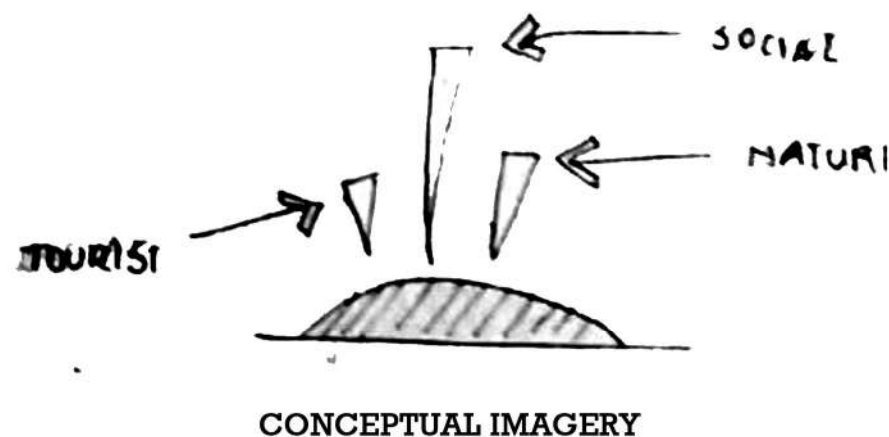
INTRODUCTION

THE PROJECT IS TO DESIGN A RETREAT IN ANAWILUNDAWA BIRD SANCTUARY. THE FOCUS OF THIS DESIGN PROJECT IS TO CREATE AN ENVIRONMENTALLY FRIENDLY AND SUSTAINABLE DESIGN BY ANALYZING THE PROBLEMS WHICH WERE FACED BY WETLAND AND PEOPLE. DESIGNING A RETREAT WITH A MINIMAL DAMAGE OR WASTE TO THE SURROUNDING ENVIRONMENT OF WETLAND WILL BE CHALLENGE IN THIS PROJECT. MY IDEA IS TO CREATE AN AWARENESS BETWEEN THE WETLAND PEOPLE WHO WERE MENTALLY STUCK BETWEEN POLITICAL AND HISTORICAL BACKGROUND OF ANAWILUNDAWA BIRD SANCTUARY. THIS PROJECT WILL HELP TO ENHANCE THE TOURISM IN ANAWILUNDAWA. ENHANCING TOURISM WILL MAKE WETLAND PEOPLE TO BE SUPPORTED MORE WITH THEIR ECONOMY FACTOR BY PROVIDING AND INTRODUCING JOB OPPURTUNITIES

CONCEPT OVERLAPPING ACTION

- * EVERYTHING IS CONNECTED TO EACHOTHER.
- * MANY ACTION ONE GOAL

IN ANAWILUNDAWA EVERY PROBLEM FACED BY VILLAGERS IN THEIR DAILY ROUTINE IS CONNECTED TO A MAIN CAUSE. THAT IS THE LESS KNOWLEDGE ABOUT TOURISM AND IMPROPER GUIDENCE FOR BIRD WATCHING IN ANAWILUNDAWA. THE RARE VISIT OF TOURIST MADE PEOPLE TO THINK, ANAWILUNDAWA AS A NON-VALUABLE PLACE. SO MY IDEA IS TO SOLVE THE PROBLEMS MENTIONED ABOVE, THROUGH MY DESIGN.



SITE ANALYSIS



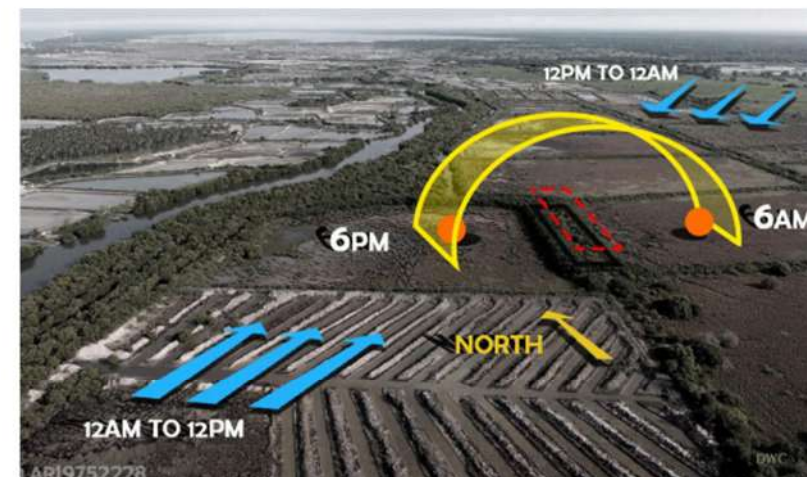
ANAWILUNDAWA IS SITUATED BETWEEN SRI LANKA'S MAJOR TOWNS OF CHILAW AND PUTTALAM. AT THE NORTHWESTERN PROVINCE OF SRILANKA. TO BE MORE PRECISE ITS SITUATED BETWEEN COASTAL AREA AND CHILAW-PUTTALAM RAILWAY LINE. THE MAIN AND ONLY ENTRANCE BY LAND WAY IS FROM COLOMBO PUTTALAM ROAD. THE RURAL CONTEXT AND IMPROPER ROADS SHOWS THE UNDEVELOPED SITUATION OF ANAWILUNDAWA. AS PER THE INFORMATION COLLECTED WETLAND PEOPLE ARE SUFFERING FROM LACK OF INFRASTRUCTURE AND ECONOMIC CRISIS.

PROBLEMS:

- BIRD CANNOT BE SEEN NEAR SITE.
- SITE HAS A DENSE VEGETATION.
- SALTY WATER
- HEAT
- NO SHADOWS.

ADVANTAGES:

- NATURAL RESOURCES
- ECO FRIENDLY MATERIALS FOR CONSTRUCTION NEAR SITE (MUD, STRAWS)
- VIEW



SUN AND WIND PATH



VIEW RANGE

CRITICAL ARGUMENT

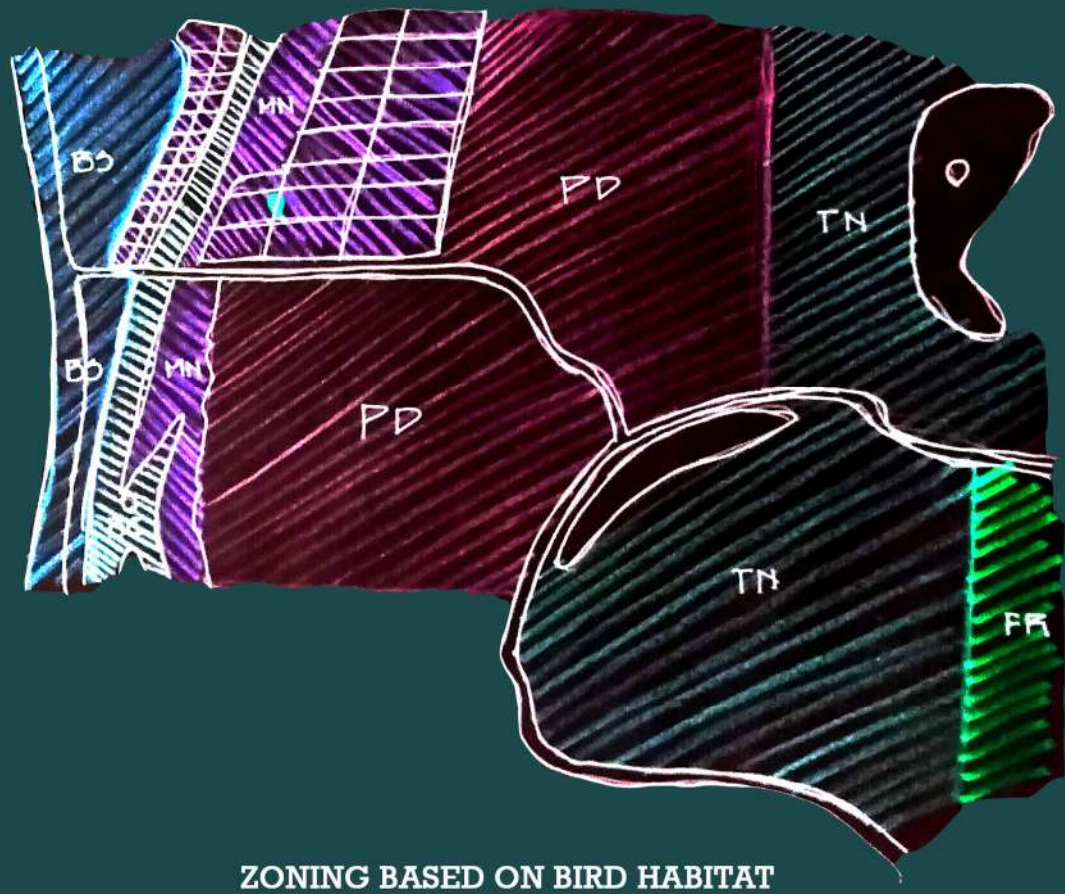
I CHOOSE A FACTOR WHICH I FELT WHEN VISITING ANAWILUNDAWA. 'NO BIRDS' - WHICH MEANS THE BIRDS ARE NOT VISIBLE FROM THE SITE. BECAUSE OF IT'S DENSED VEGETATION AND LESS HABITATION IN SITE. EVEN THOUGH IT'S RICH WITH VEGETATION THE DIRECT SUN AND ABANDONED PRAWN FARM LANDS HAVE BECOME AN AFFECT FOR IT'S HABITATION.

WITH THAT I STARTED TO ANALYZE THE LESS POPULARITY OF ANAWILUNDAWA BIRD SANCTUARY BY COMPARING WITH OTHER SANCTUARIES AND WILD LIFE CONSERVATION CENTERS. THE RESULTS WAS THE LACK OF GUIDENCE FOR BIRD WATCHING. SO MY IDEA IS TO CREATE AN GUIDENCE AND MAKE IT USEFUL FOR ALL DIFFERENT TYPE OF USERS.

MY IDEA IS TO ENHANCE TOURISM BY PROMOTING BIRD WATCHING. SO I HAVE ZONED THE BIRD SANCTUARY ACCORDING TO THE BIRD HABITATION. AND REDIRECT THEM TO THOSE ZONES USING LIGHT VEHICLE ACCESSIBLE PATHWAYS. AT THE END OF EVERY PATHWAYS THERE NEED TO BE AN ATTRACTION POINT. FOR THAT I M GONNA PROPOSE A STRUCTURE AND SOME ACTIVITIES. WHICH IS MORE COMPATIBLE FOR THE USERS OF RETREAT.

ACTIVITY - CANOEING, CYCLING

STRUCTURE - BIRD WATCHING, WILD LIFE PHOTGRAPHY, MEDITATION



ZONING BASED ON BIRD HABITAT

BS - BEACH AND SEA SHORE HABITAT

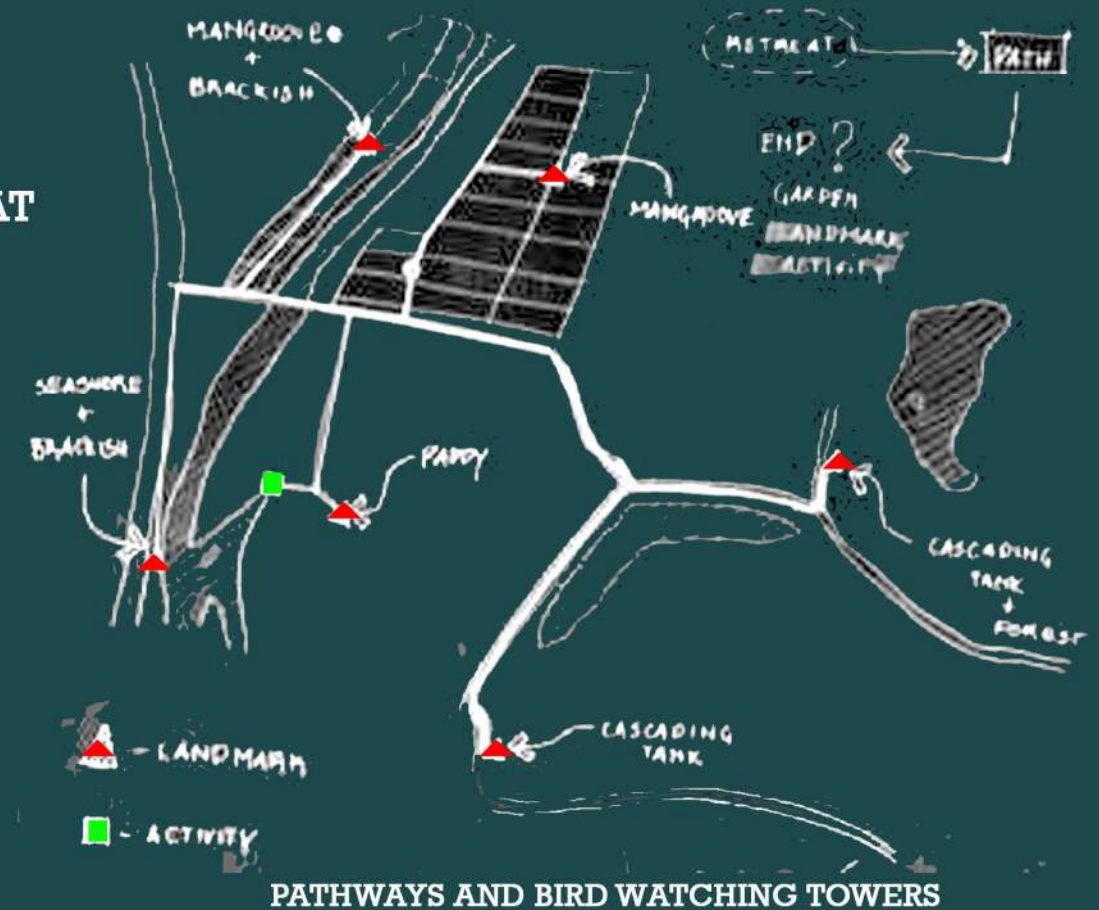
BR - BRACKISH WATER

MN - MANGROOVES

PD - PADDY FIELD

TN- CASCADING TANKS

FR- FOREST



PATHWAYS AND BIRD WATCHING TOWERS

STRUCTURAL & SPATIAL INSPIRATION

I TOOK WEAVER BIRD NEST AS AN INSPIRATION FOR MY DESIGN. STRUCTURE OF WEAVER BIRD NEST CHANGES ACORDING TO ITS LIVELIHOOD SUCH AS:

- * CLIMATE
- * DENSE

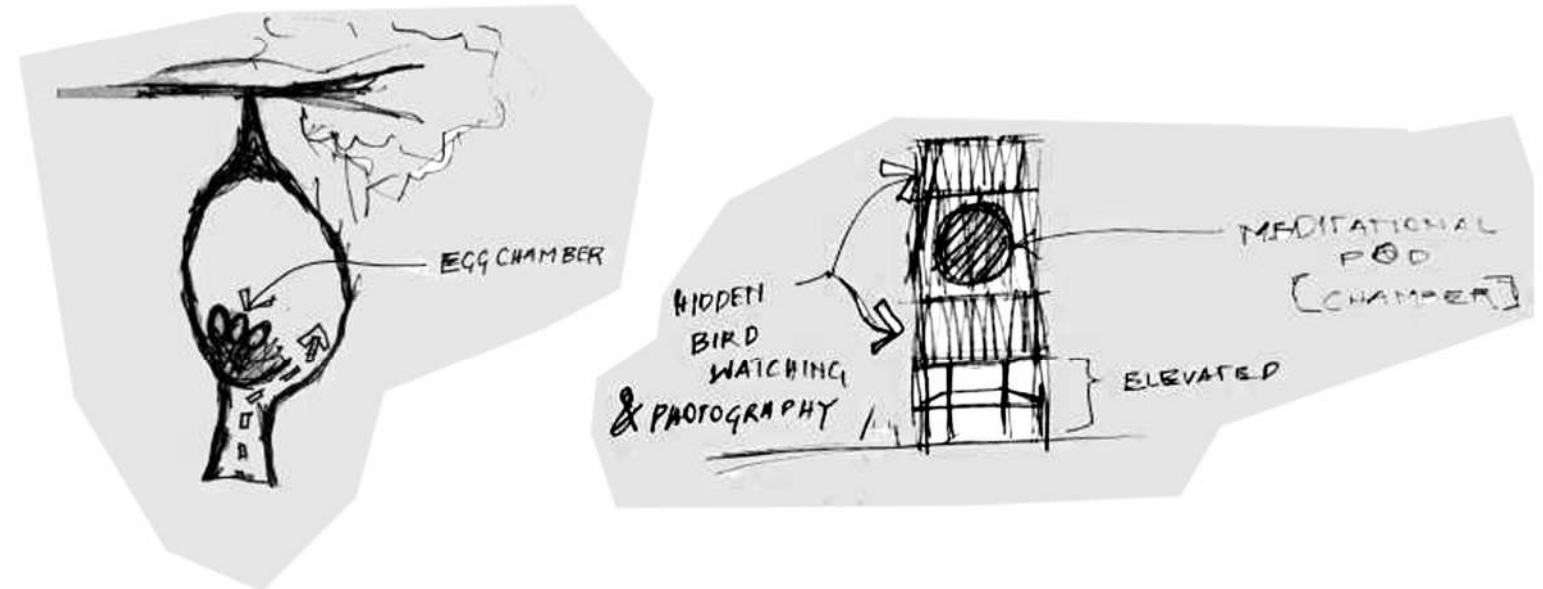
RETREAT - SOCIABLE WEAVER



THESE TYPE OF WEAVERS LIVE AS A PACK. UPTO 40 -45 BIRDS LIVE IN A SAME NEST. TO RESCUE THEMSELF FROM CLIMATE. WHICH I TOOK AS AN INSPIRATION FOR RETREAT WHERE WE GATHER DIFFERENT TYPE OF USERS.

THE MASS PART OF SOCIABLE WEAVER NEST IS SUPPORTED BY A SMALL STRUCTURE. THIS WILL BE THE MAIN INSPIRATION FOR THE STRUCTURE OF RETREAT. BY CREATING A STRUCTURE WITH LOW IMPACT TO GROUND WILL PRODUCE LOWER DAMAGE AND WASTE IN CONSTRUCTION PROGRESS. AS A SPATIAL PRECEDENCE IT SHOWS THE SUSTAINABILTY ACHIEVED IN DENSED LIVING AND SPATIAL ARRANGEMENT.

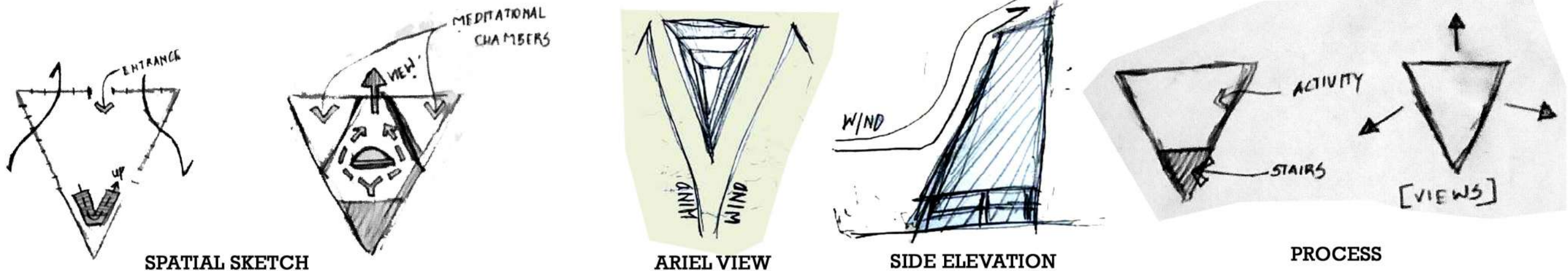
THE TOWER - BAYA WEAVER

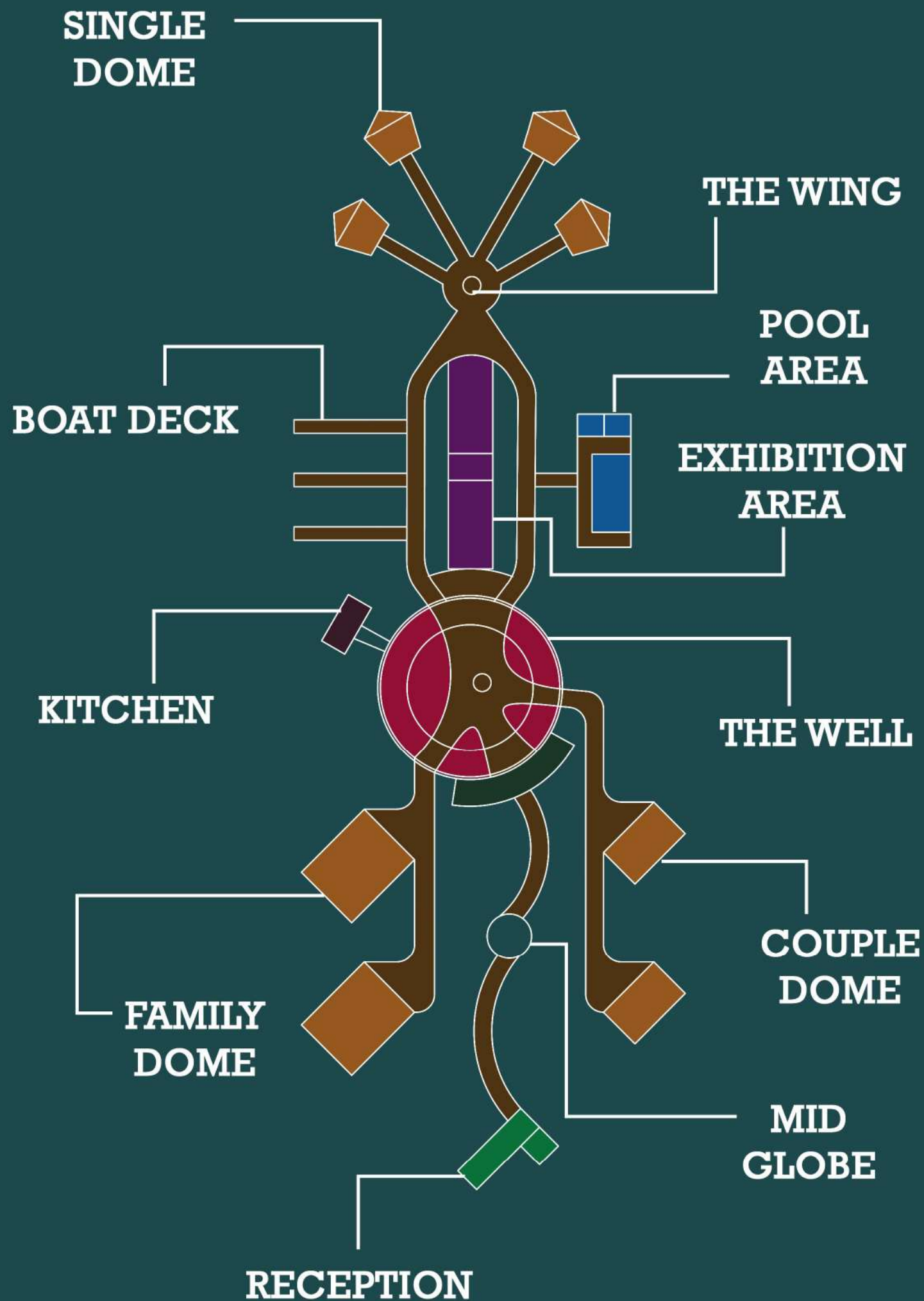


THESE TYPE OF WEAVERS LIVE AS A COUPLE OR ALONE FOR MATING REASON. THIS IS MORE ISOLATED STRUCTURE FROM SURROUNDING. WHICH IS PREFARABLE FOR BIRD WATCHING TOWERS. BECAUSE THE BIRD LIVE IN A PLACE WITH LESS HUMAN EXISTENCE. SO WITH THIS STRUCTURAL PRECEDENCE WE CAN HIDE PEOPLE FROM BIRD WHILE THE CONTINUE BIRD WATCHING.

THIS METHOD WAS ISNPIRED FROM ACITIVITY OF ACNIENT VEDHAS. WHEN THEIR RESIDENCE WERE MADE WITH NATURAL RAW MATERIALS, ANIMALS CONSIDER IT AS A PART OF NATURE. SO THE SAME TRICK WILL BE APPLIED TO THIS BIRD WATCHING TOWER USING **COCO BOARDS** AS THE MATERIAL.

TOWER - INSPIRATION ADAPTATION SKETCH





SPATIAL PROGRESSION

VISITORS ARE BROUGHT FROM THE MAIN ROAD TO SITE BY A NARROW PARTIALLY CLOSED WOOD DECK BETWEEN THE DENSED VEGETATION. THIS WILL ONLY GIVE A PEAK TO NATURE TO CREATE A GLIMPSE TO MOVE FORWARD TO SEE WHAT NEXT THE SAME ADMOSPHERE WILL BE MAINTAINED EVEN IN THE **RECEPTION** AND THE REMAIN PART OF THE PATH WAY. THE **MID GLOBE** WILL SLOWDOWN THE BIG TRANSITION TO THE NEXT AREA.

THE WELL WILL ACT AS THE JUNCTION OF THIS RETREAT. IT CREATE A MOOD OF RURAL + LUXURY. WHERE IT WILL PROVIDE ANCIENT EGYPT EXPERIENCE. THIS SPACE IN MORE COMBINED WITH NATURE. EQUAL SPACE OF VEGETATION AND BUILD ARE IS PROVIDED HERE. A RESTAURANT IS PLACED IN FIRST FLOOR OF THIS AREA WITH A 360 VIEW OF THE SURROUNDING AREA OF SITE. WHERE IT CREATES A RELAXATION TO SIT AND HAVE A PEACE FULL MEAL. IT CAN ACCOMADATE UPTO 30 PEOPLE AT A TIME. SO IT ACT AS A PLACE WHERE EVERY TYPE OF USERS COLLIDE.

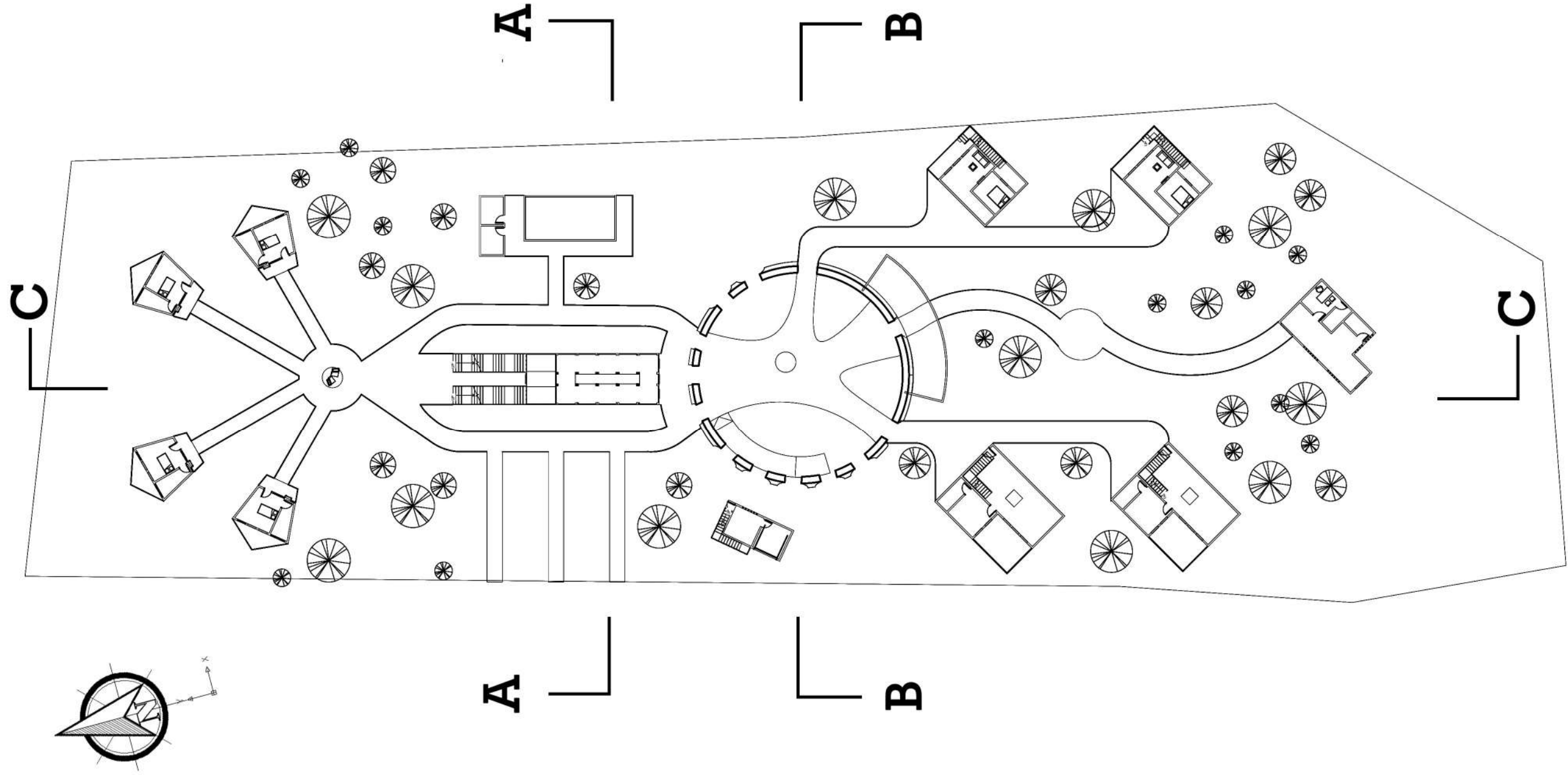
STRAIGHT FROM THE WELL THEY CAN ENTER TO **EXHIBITION AREA**. WHICH PROVIDES INFORMATIONS ABOUT BIRDS AND BIRD SANCTUARY. EXHIBITION ALSO CONTAINS TWO SHOPS TO SELL LOCAL SOUVENIERS AND JEWELS. TOP OF THE EXHIBITION AREA IS ACCESSIBLE FROM RESTAURANT AND WOOD DECK. IT CAN BE EVEN USED AS A OPEN DINING AREA OR VIEW POINT.

THE **KITCHEN** BUILDING IS AN TWO STOREY BUILDING WHICH IS CONNECTED BY OUTSIDE STAIRCASE. GROUND FLOOR IS USED FOR STORAGE AND ACCOMADATION FOR ONE MAIN COOK AND TWO SERVENTS. THE KITCHEN PART IS CONNECTED TO WELL'S TOP FLOOR.

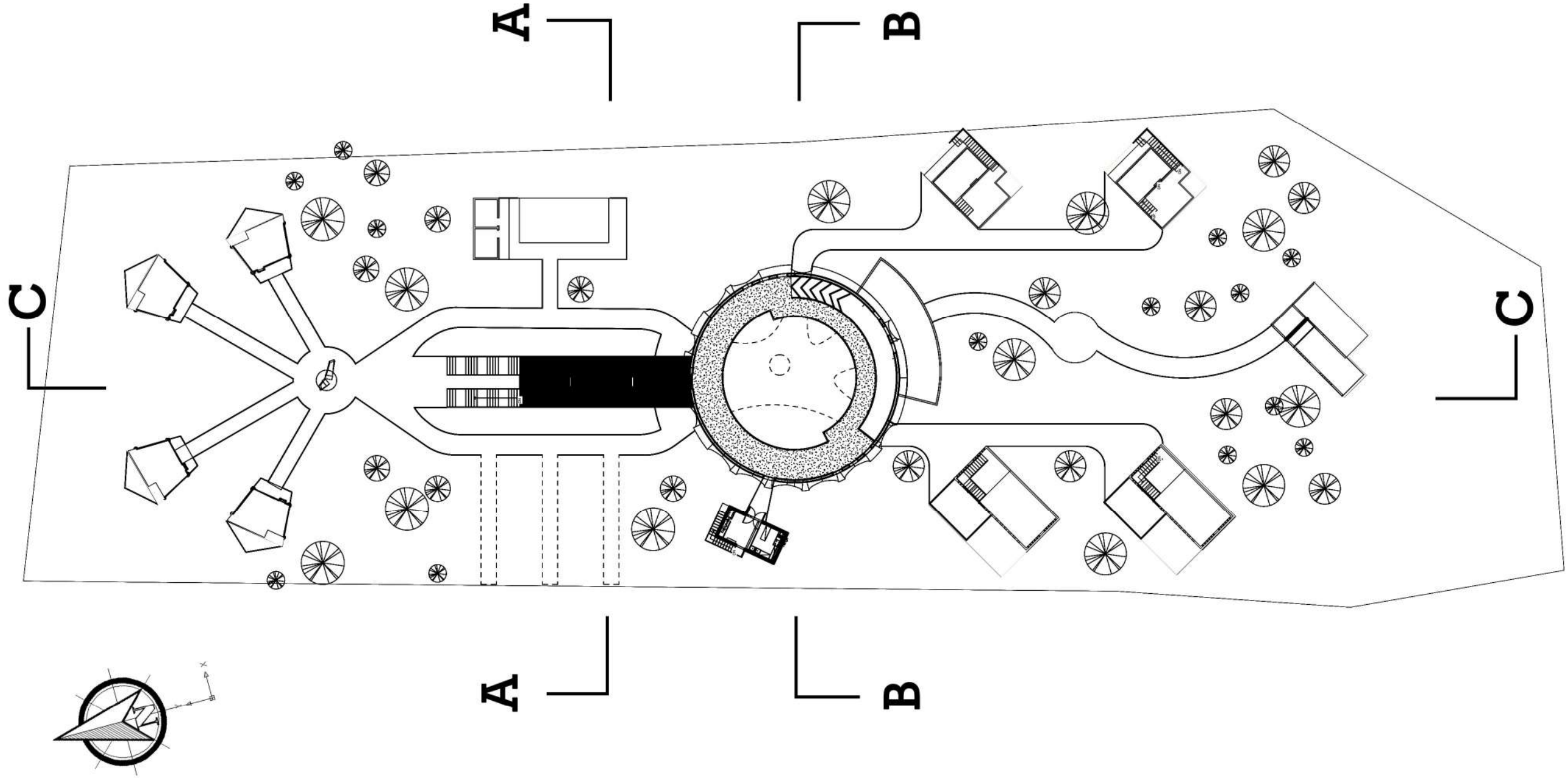
FAMILY DOME IS DESIGNED IN A WAY TO GATHER OR KEEP FAMILY TOGETHER. THE GROUND FLOOR IS ONE AREA, WHICH IS PARTITIONED BY INTO SPACES BY TEMPORARY STRUCTURE.

COUPLE DOME IS MORE PRIVATIZED OPEN SPACE FOR COUPLES. EVERY SPACE IS CONNECTED WITH ONLY OPENINGS. THE IDEA IS TO CREATE A ROMATIC ATMOSPHERE.

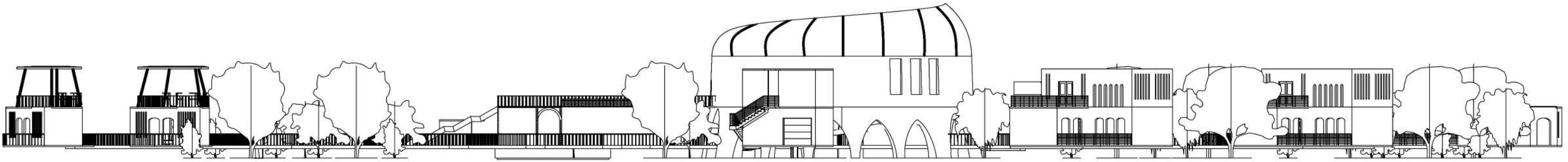
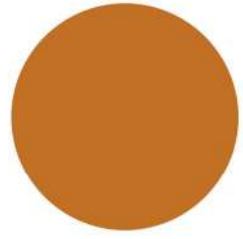
SINGLE DOME IS DESIGNED FOR PEOPLE WHO VISIT FOR MEDITATIONAL PURPOSES THATS THE REASONS FOR PLACE SINGLE DOMES AWAY FROM CROWDED AREA IN RETREAT.



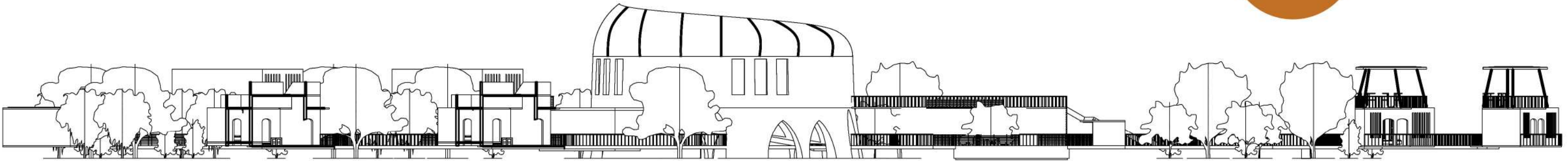
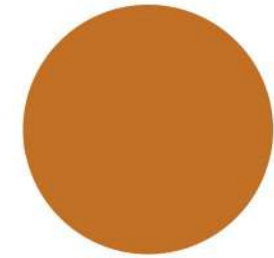
GROUND FLOOR PLAN
SCALE 1 : 500



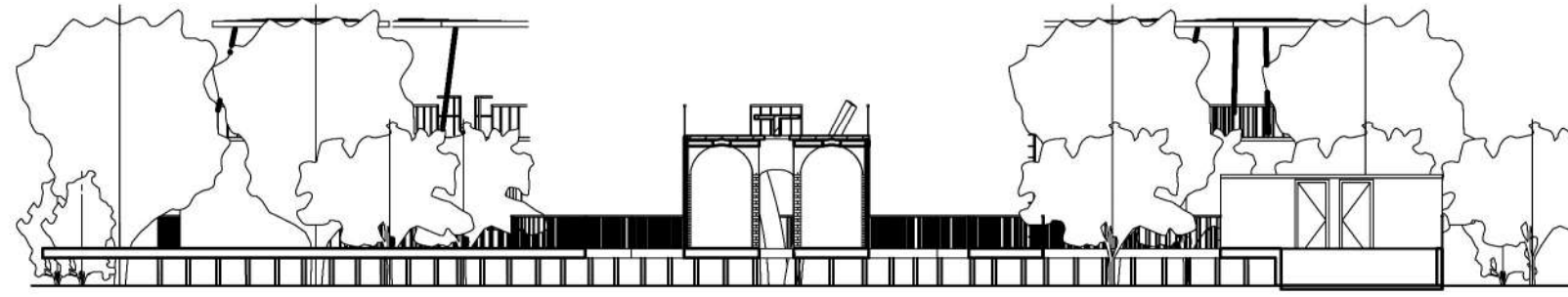
FIRST FLOOR PLAN
SCALE 1 : 500



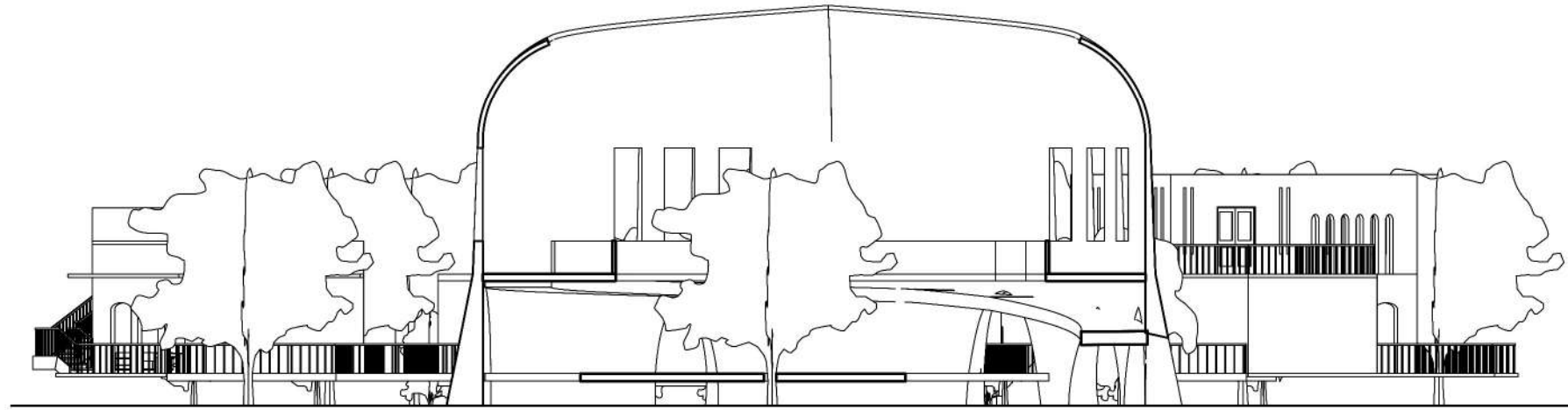
WEST ELEVATION
SCALE 1 : 300



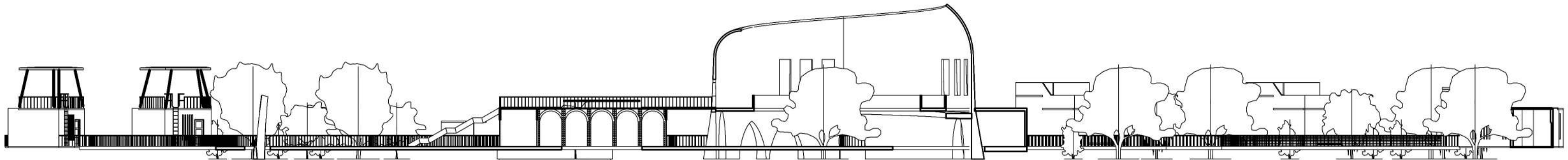
EAST ELEVATION
SCALE 1 : 300



SECTION AA
SCALE 1 : 200



SECTION BB
SCALE 1 : 200



SECTION CC
SCALE 1 : 300

THE WELL



VEGETATION + ACCESS

MORE ACCESS WAYS

MORE VEGETATION

RESPONSE TO SITE

ORIENTED TO ACTIVITIES



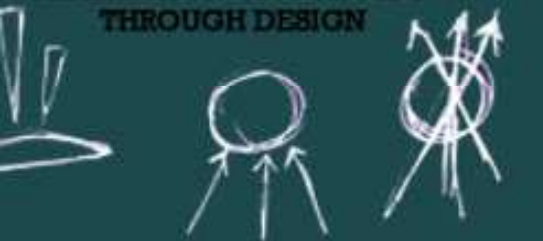
THE MUD WALL

WOOD FLOOR SUPPORTED BY I BEAM

CONCRETE RAMP

MUD HAS BEEN USED AS THE MAIN CONSTRUCTION MATERIAL. WHICH IS A CHALLENGE TO CREATE A THREE STOREY HEIGHT BUILDING. I HAVE USED DIFFERENT TYPE OF MUD CONSTRUCTION METHODS TO ACHIEVE IT. ONE OF THE METHOD IS TO REDUCE THE STRUCTURAL LOAD BY HEIGHT. WHERE THE FIRST STOREY WALL IS MADE OUT OF STACKED SACK BAGS FILLED WITH MUD. SECOND STOREY WALLS WERE MADE WITH ADOBE (SUN BAKED BRICKS), AND FINALLY THIRD STOREY MADE OUT OF WOVEN STICKS.

REALIZATION OF CONCEPT THROUGH DESIGN



CONCEPTUAL DESIGN

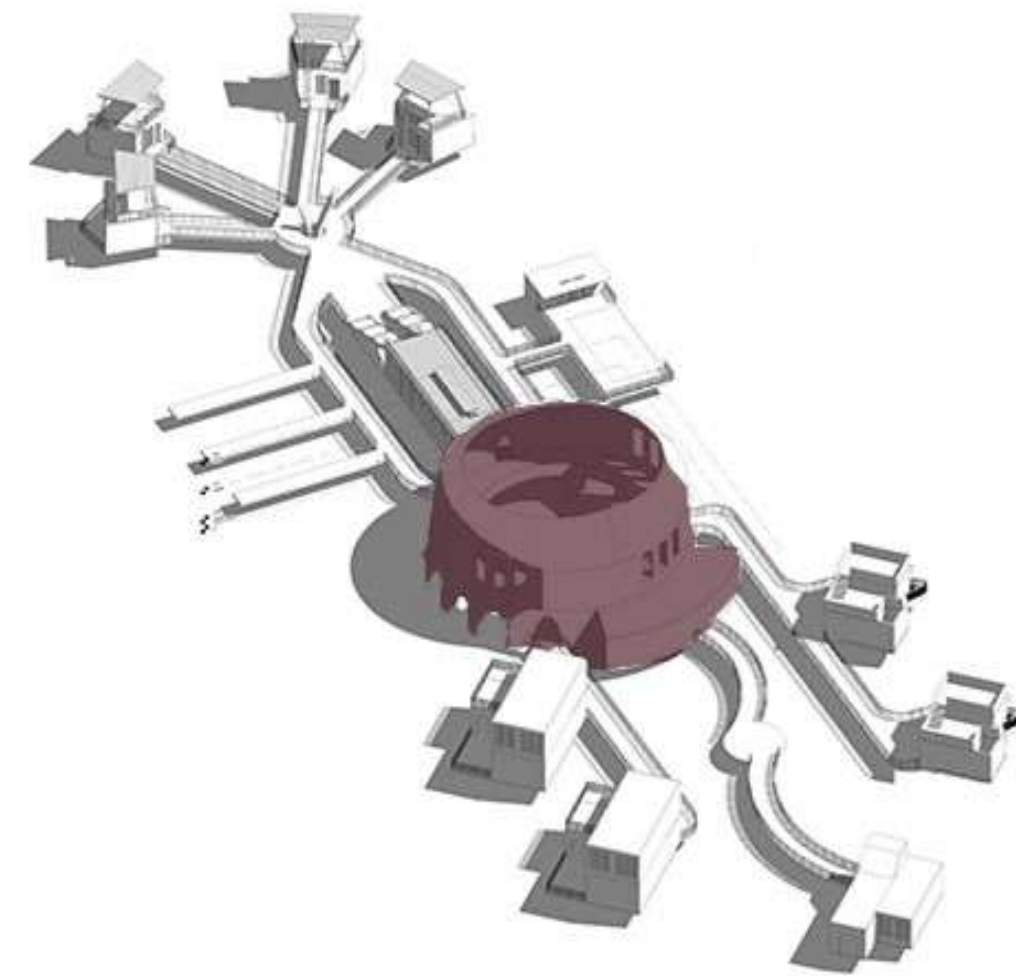
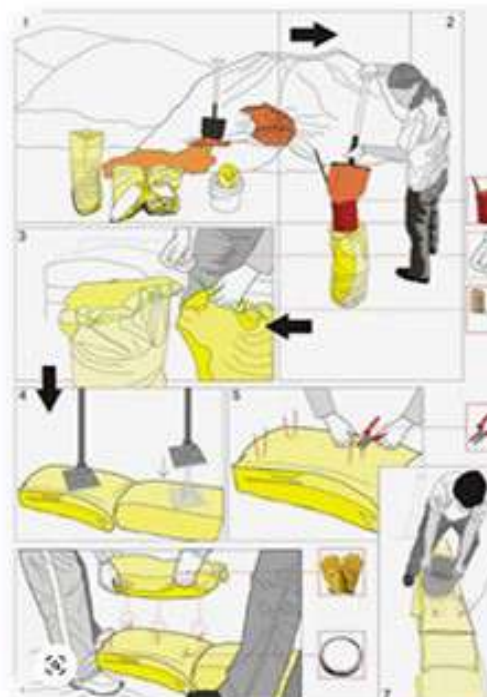
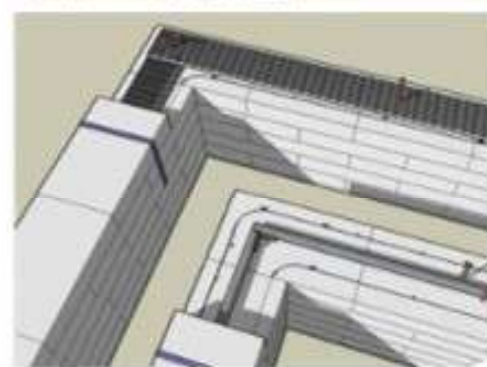
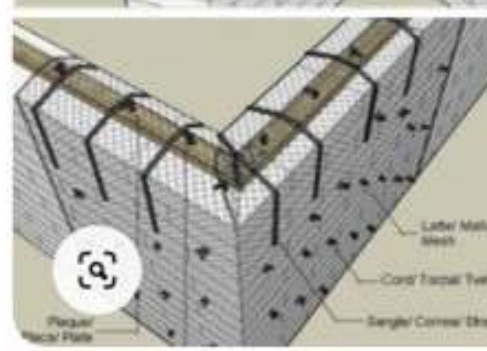
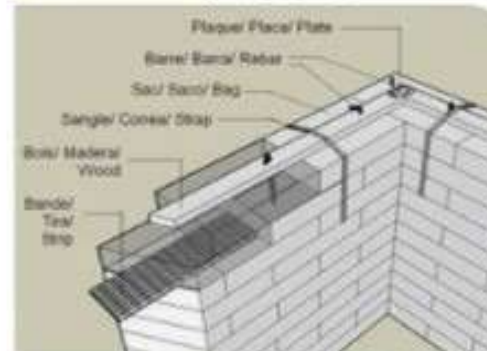
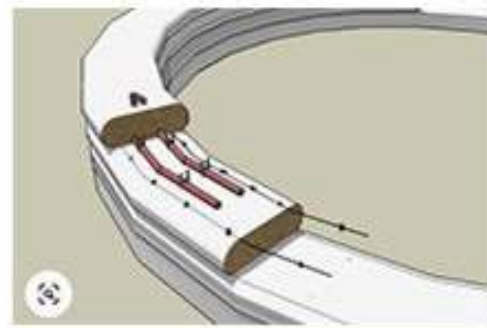
MANY DRIVES ONE AIM

RESULT OF MANY DRIVES

WOVEN STICKS

ADOBE

BAG CONSTRUCTION



MUD AS MATERIAL

ENERGY-EFFICIENT
DURABLE
AESTHETIC
ECONOMIC
NATURAL

BAG CONSTRUCTIONS WERE USED TO BUILD BUNKERS IN THE AREA. THIS CONSTRUCTION METHOD IS QUICK, EASY AND LESS COST. THE MATERIALS NEEDED FOR THIS CONSTRUCTION IS AVAILABLE NEAR OUR SITE. THE PRODUCTION WILL BE DOUBLED WHEN CONSTRUCTING WITH THE HELP OF LOCALS.

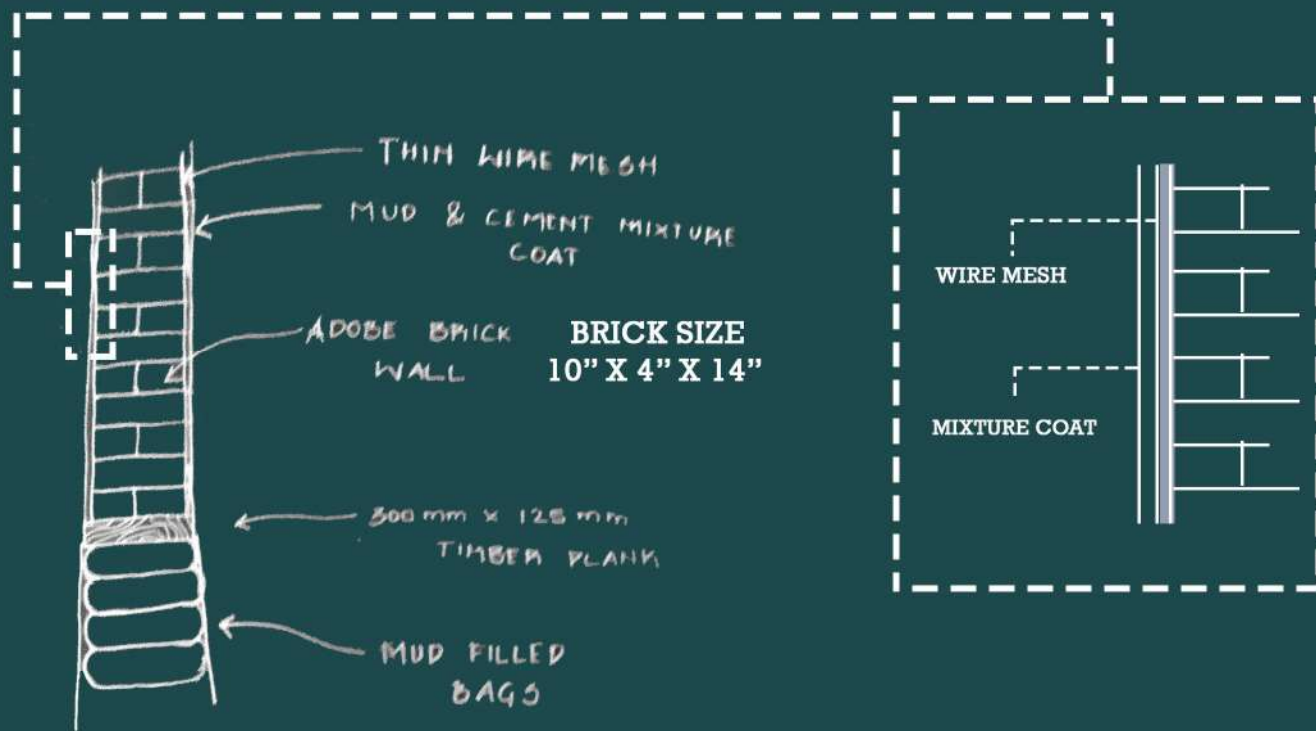
1. THE SACK WILL BE FILLED WITH MUD AND PLACED AS THE BASE FOR THE NEXT LAYER. THIS WILL ACT AS A FOUNDATION FOR ITS OWN WEIGHT.

2. EACH LAYER WILL HAVE ONE OR MORE STRANDS OF BARBED WIRE PLACED ON TOP. THIS WILL HELP TO STABILIZE THE BAG FROM MOVING. THE WEIGHT OF THIS EARTH FILLED BAG PUSHES DOWN ON THE BARBED WIRE STRANDS, LOCKING THE BAG IN PLACE ON THE ROW BELOW.

3. AS FINISHING LAYER A MESH WILL BE ATTACHED ALL OVER THE SURFACE AND A MIX COAT OF CEMENT, MUD, WATER IN A RATIO 1:3:2 WILL BE APPLIED ON THE MESH.

WALL TO WALL CONNECTION

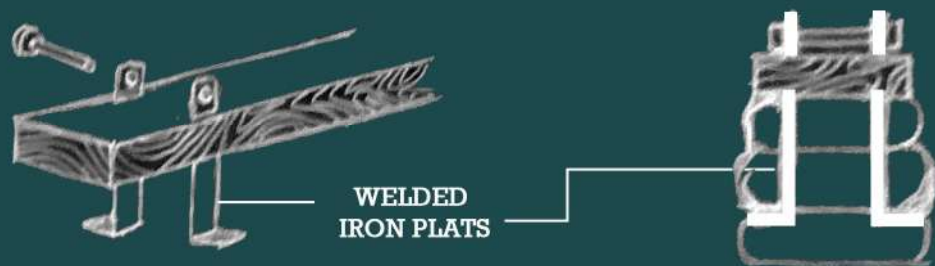
GROUND TO FIRST



AT FIRST FLOOR LEVEL THE WALLS NEEDS TO FACE SOME REQUIREMENTS. SUCH AS:

- * SERIES OF OPENINGS
- * LESS STRUCTURAL LOAD
- * CIRCULAR SHAPE

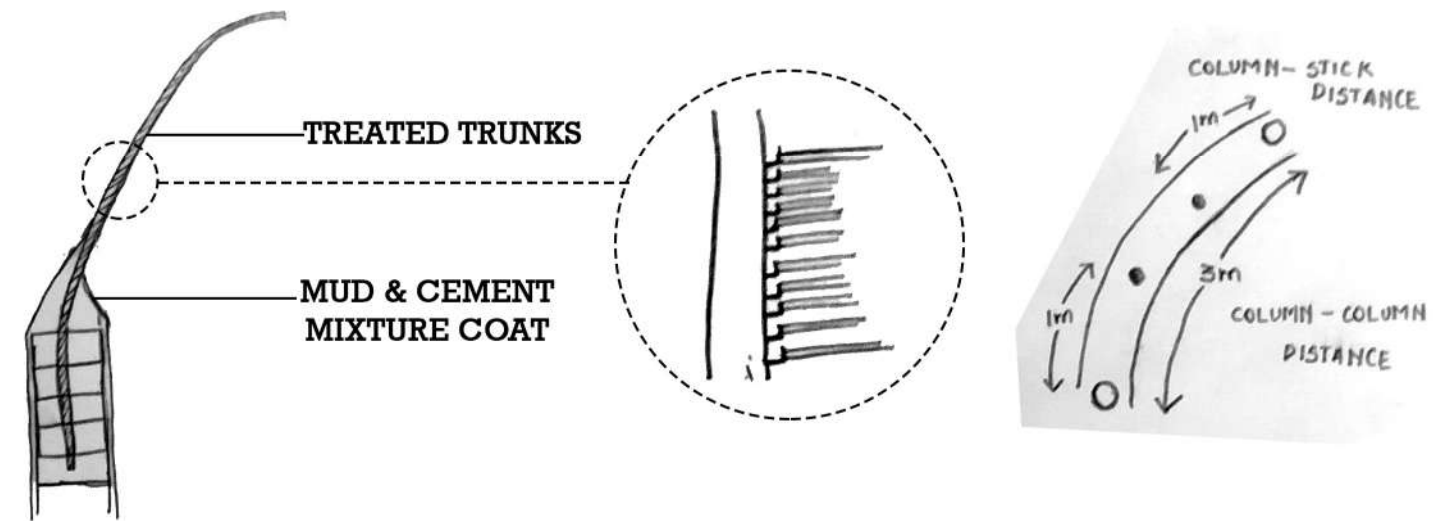
TO FULFIL THESE REQUIREMENTS I WILL BE USING ANOTHER EARTH TECHNIQUE CALLED 'ADOBE'. WHICH IS EASY TO MASTER THE CONSTRUCTION TECHNIQUES. ITS COMMONLY USED IN DRY ZONES TO BUILD SHELTERS. ONLY DISADVANTAGE WILL BE THE DURATION FOR BRICK PRODUCTION. WHICH WILL TAKE UPTO 4 WEEKS



ADOBE WALL BASE FIXING DETAIL

THE BASE OF ADOBE WALL NEEDS TO BE STRONG AND STABLE. SO A WOOD PLANK SIZE OF 300MM X 125MM WILL BE PLACED AS THE BASE OF ADOBE WALL OVER MUD FILLED BAGS TO FLAT THE BASE. THICKNESS OF THE ADOBE WALL WILL BE REDUCED BY HEIGHT WISE TO AVOID EXTRA LOAD. TIMBER FRAMES WILL BE USED TO SUPPORT AND CREATE THE SHAPE OF OPENINGS. THE ADOBE WALLS WILL BE ATTACHED TO THE COLUMN USING WALL HOOKS.

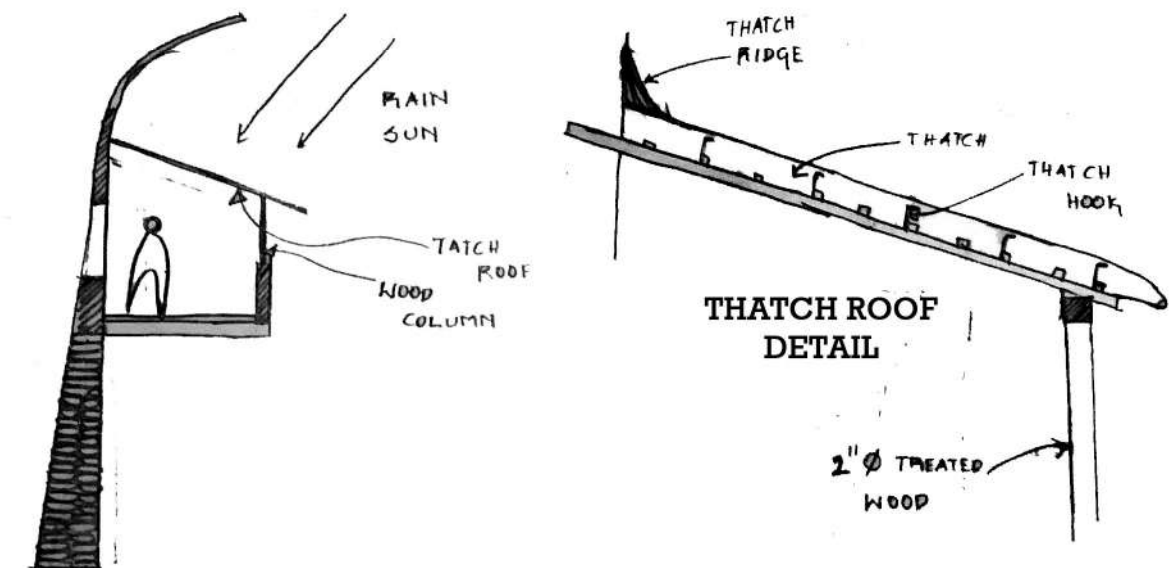
FIRST TO SECOND



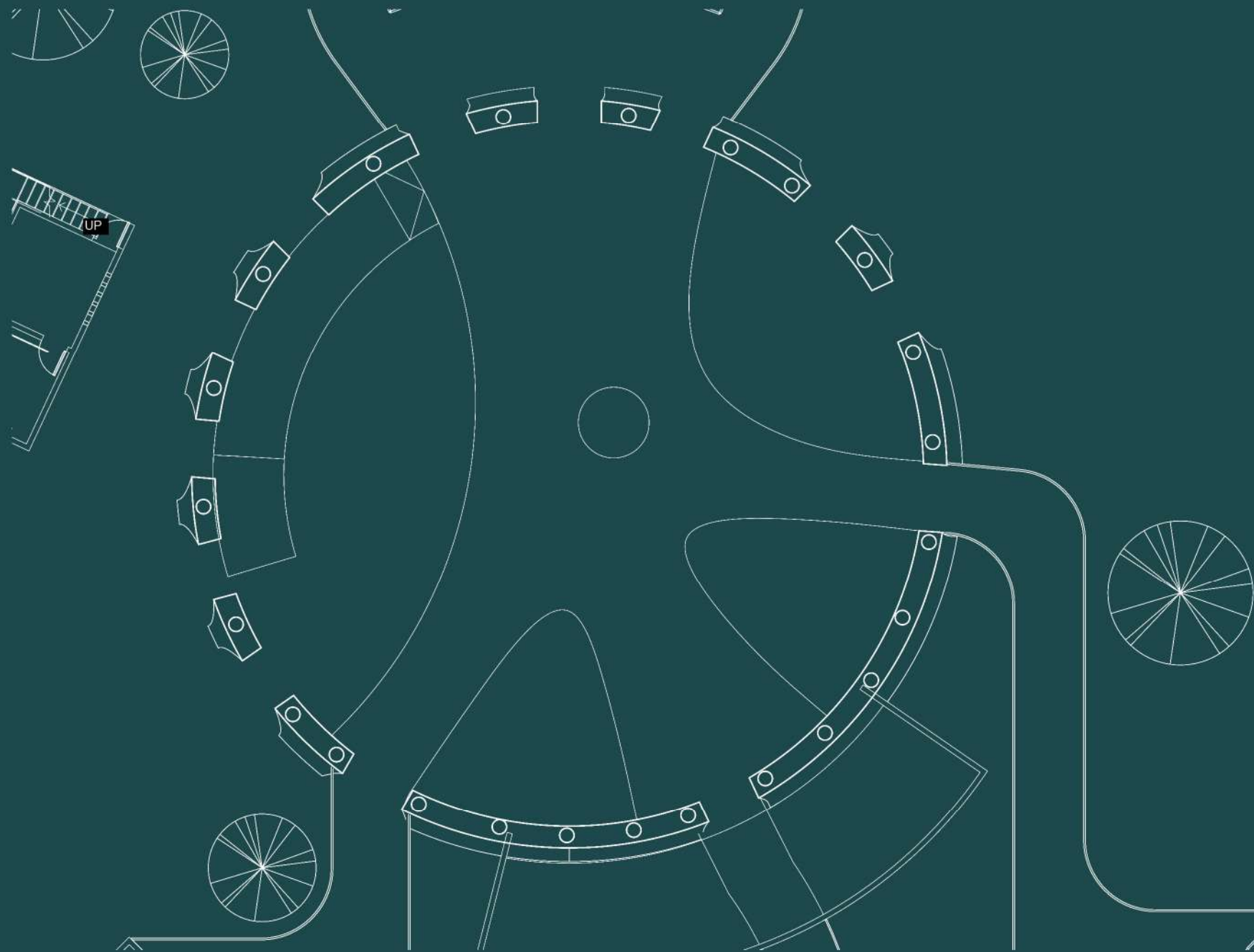
THE SECOND LEVEL WALL IS MADE OUT OF REMOVED TREE TRUNKS FROM SITE AND TAR DIPPED COIR MADE FROM COCONUT HUSK IN LOCAL. THIS IS THE LIGHTEST PART OF THIS WHOLE STRUCTURE. THE MAIN PURPOSE OF IT TO PROVIDE SHADE FROM AFTERNOON SUN AND TO HIGHLIGHT THE STRUCTURE BY CREATING A HEIGHT DIFFERENCE FROM OTHER STRUCTURES. 1/3 PART OF TRUNK WILL BE FIXED INSIDE THE ADOBE WALL.

THE COIR IS WOOVEN AROUND THE TREE TRUNKS AND IT'S ATTACHED TO THE COLUMNS USING SMALL HOOKS WELDED TO COLUMN. THE COIR WAS WILL BE DIPPED IN TAR TO PRESERVE IT FROM CLIMATE AND PEST ATTACKS.

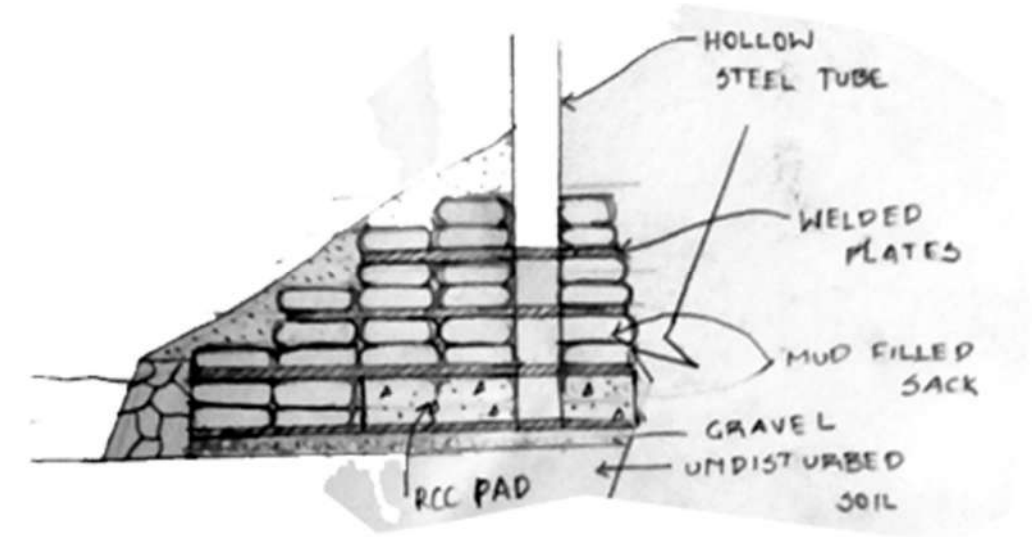
ROOF



EACH DINING TABLE WILL CONTAIN A PERSONAL THATCH ROOF STRUCTURE. THIS WILL PROTECT FROM RAIN AND DIRECT SUN. THE PURPOSE OF USING A THATCH ROOF IS TO MAINTAIN THE ATMOSPHERE OF RURAL LUXURY CONCEPT. WHICH CAN BE DISTURBED BY OTHER ROOF MATERIALS LIKE CLAY TILE , SHEETS OR OTHER SYNTHETIC MATERIALS.



**COLUMN PLAN
NO SCALE**



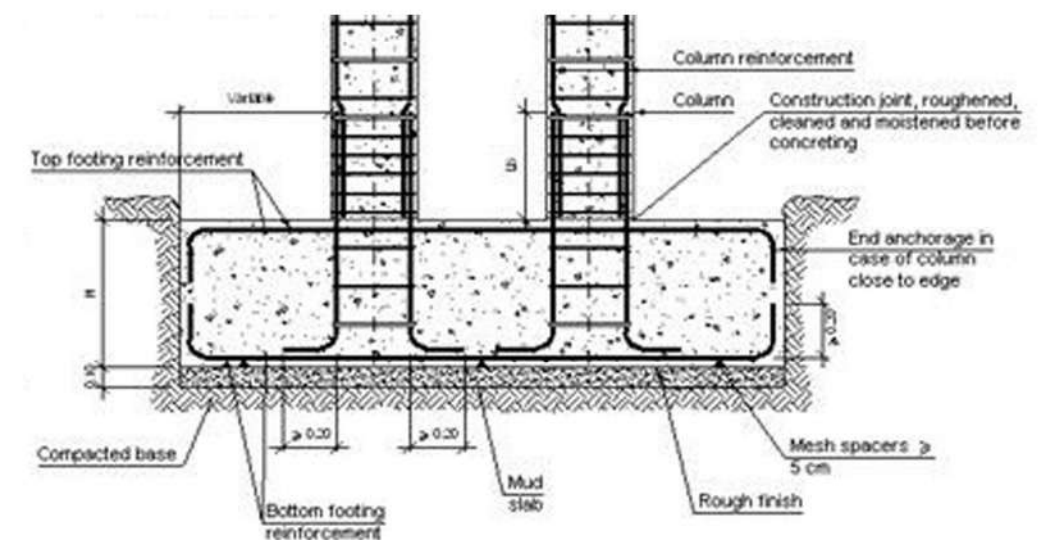
FOR FOUNDATION WE ARE USING PAD FOUNDATION. ME EARLIER INSPIRATION IS TO CREATE A MASS STRUCTURE WITH SMALL SUPPORT. I'M TRYING TO ACHEIVE IT BY USING BAG CONSTRUCION ALSO AS A LOAD TRANSFERING MEMBER. BY INCREASING THE BASE SIZE OF BAG CONSTRUCION, THE LOAD CAN BE TRANSFERED THROUGH BAGS WHLIE PAD FOUNDATION STABILIZE THE STRUCTURE.

ONLY USING PAD FOUNDATION WILL BE A DISASTER, SINCE THE SOIL IS MUDDY AND NOT STABLE. THE SOIL WILL GET WEAKER AT ONE POINT.AND STRUCTURE WILL COLLAPSE. BY SPREADING THE AREA WILL REDUCE THE FORCE IN A ALLOCATED AREA.



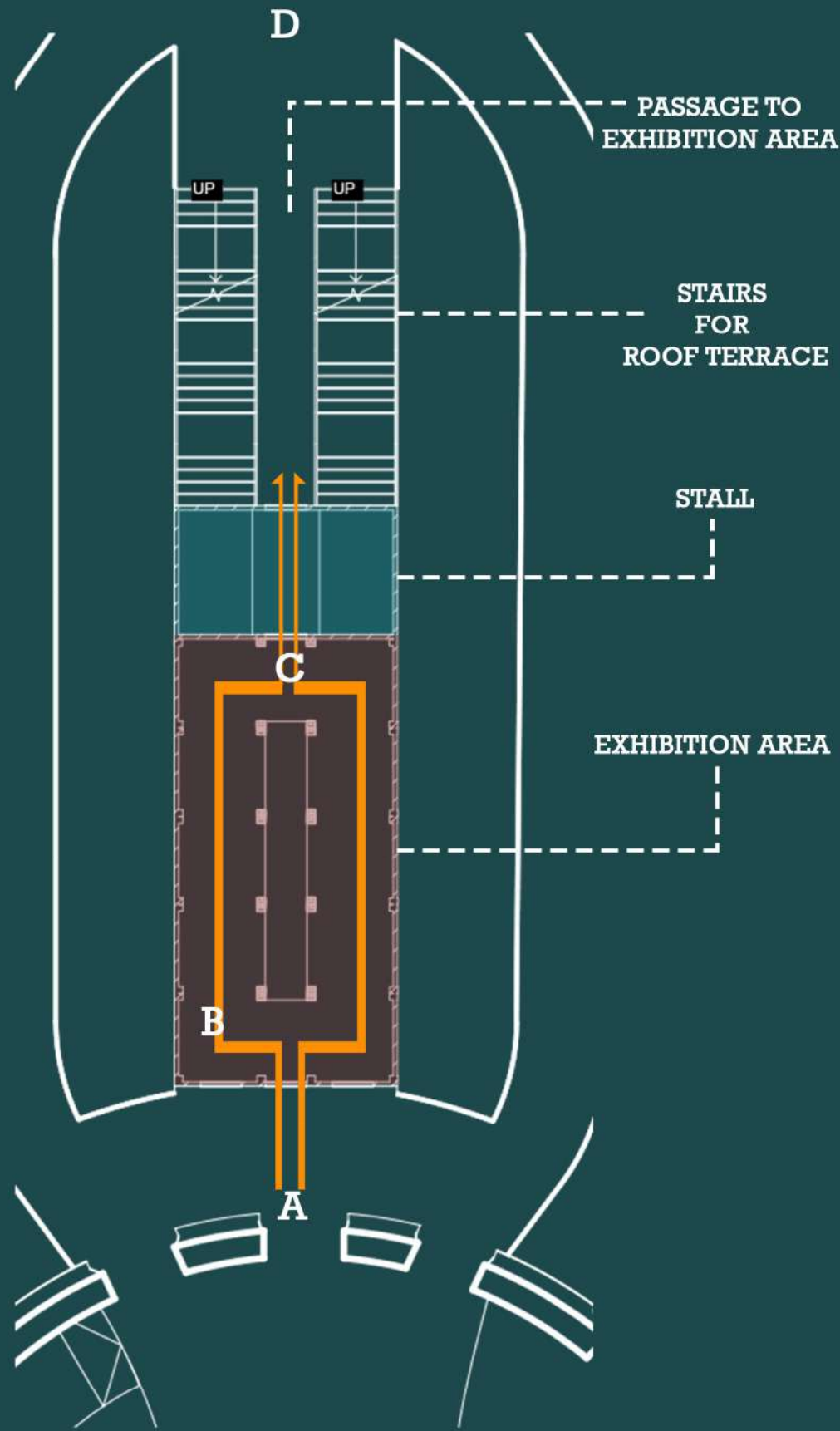
**THE PICTURE SHOWS
HOW MUCH RESISTENCE
IT COULD CREATE**

FOOUNDATION DETAIL FOR REMAINING STRUCTURES

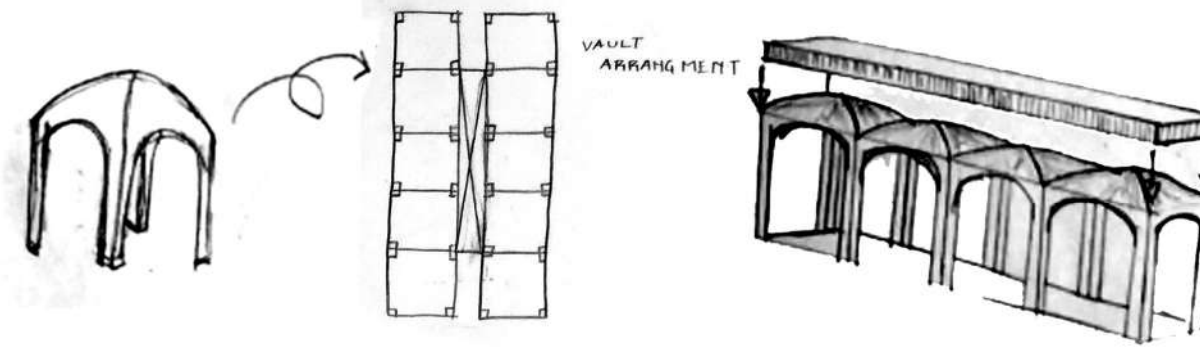


PAD FOUNDATION DETAIL

EXHIBITION AREA



EXHIBITION AREA PLAN
NOT TO SCALE



AFTER A LARGE OPEN SPACE (THE WELL) I WANTED TO REDUCE THE VISION TO INTRODUCE THE UPCOMING MONUMENT AREA. SO I USED THE EXHIBITION SPACE TO DRIVE VISITORS FROM MAIN SPACE TO MONUMENT AREA BY CREATING SERIAL VISION THROUGH A COMPACTED SPACE.

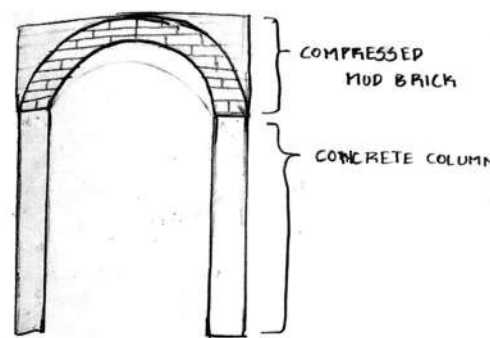
A- ENTRANCE ———> B- EXHIBIT SPACE ———> C- EXIT

THIS SERIAL VISION CAN ALSO APPLIED AS REVERSE SERIAL VISION TO BRING VISITORS FROM MONUMENT AREA TO MAIN SPACE.

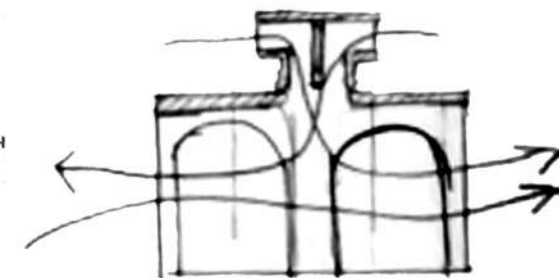
D ———> C ———> B ———> A

TO COMPACT THE VIEW I HAVE DESIGN IT PARTIALLY ENCLOSED AND USED THE OPENINGS TO LET LIMITED AMOUNT OF DAY LIGHT AND MAXIMUM VENTILATION. PURPOSE OF ALLOWING LIMITED AMOUNT OF LIGHT IS TO PERSEVING THE SCULPTURE AND DRAWINGS FROM HUMID AIR. THE STRUCTURE WAS MADE BY USING SERIES OF BARREL VAULTS. WHICH HIGHLIGHT THE SPACE BY GIVING A HISTORICAL VIBE THROUGH INTERIOR.

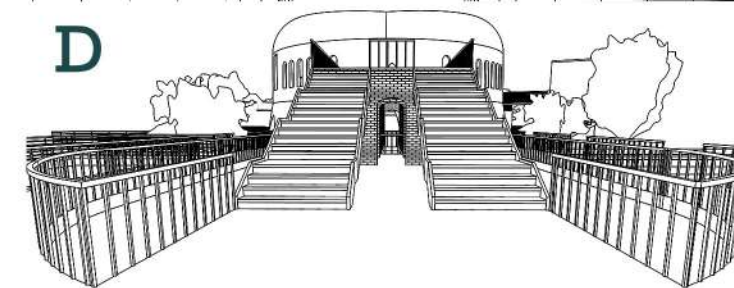
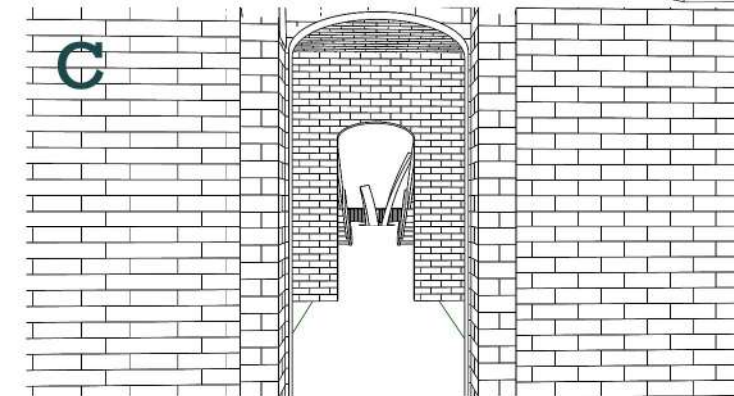
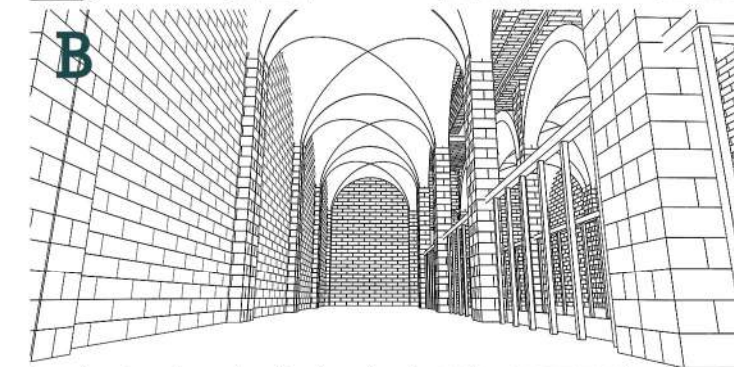
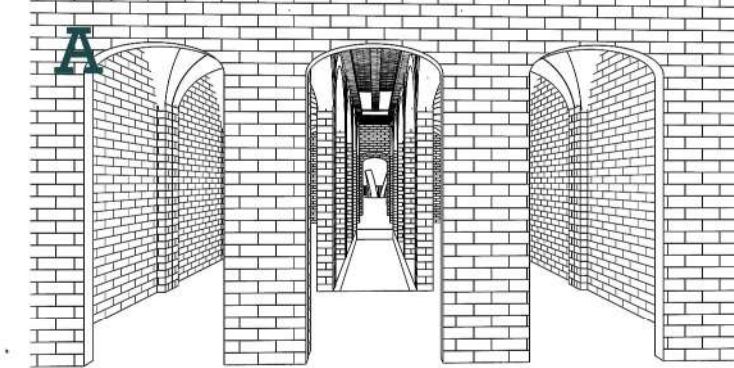
COMPRESSED MUD BRICK WILL BE USED AS THE MATERIAL FOR VAULT CAP AND CONCRETE AS THE COLUMN. THE WALL IS MADE OUT OF RAMMED EARTH. WHICH HELPS TO PRESERVE HISTORIC ESSENCE AND CREATE AETHICALLY PLEASING VIEW.



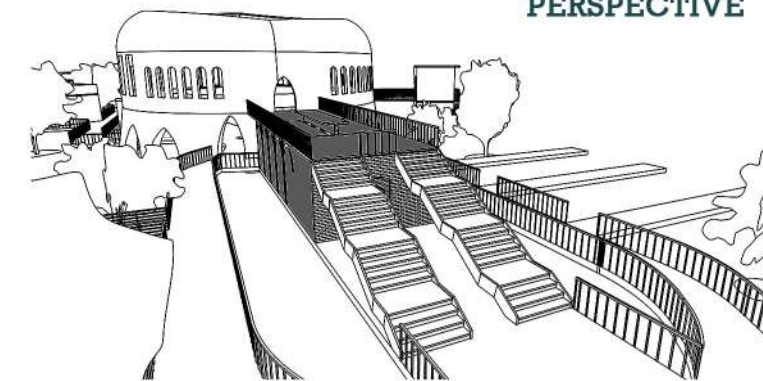
MATERIAL FOR VAULT ROOF



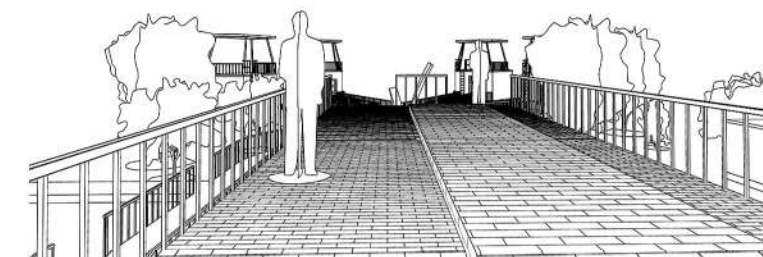
CROSS VENTILATION
THROUGH SPACE



PERSPECTIVE

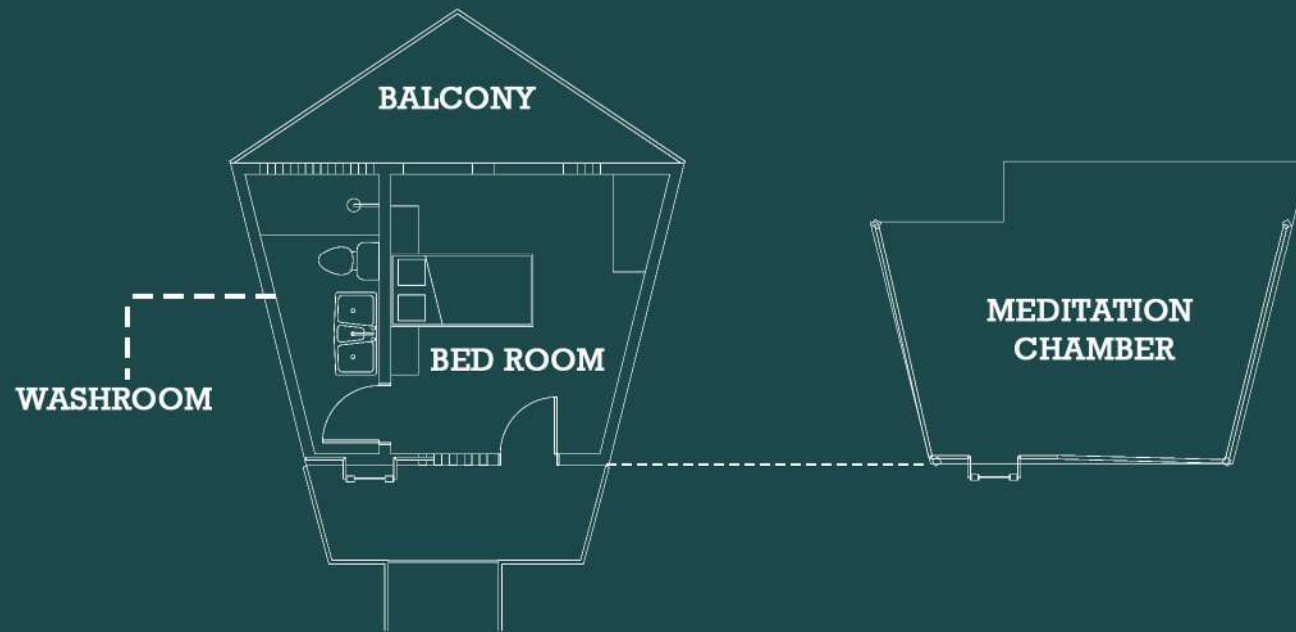


VIEW FROM TERRACE



DOMES

SINGLE DOME



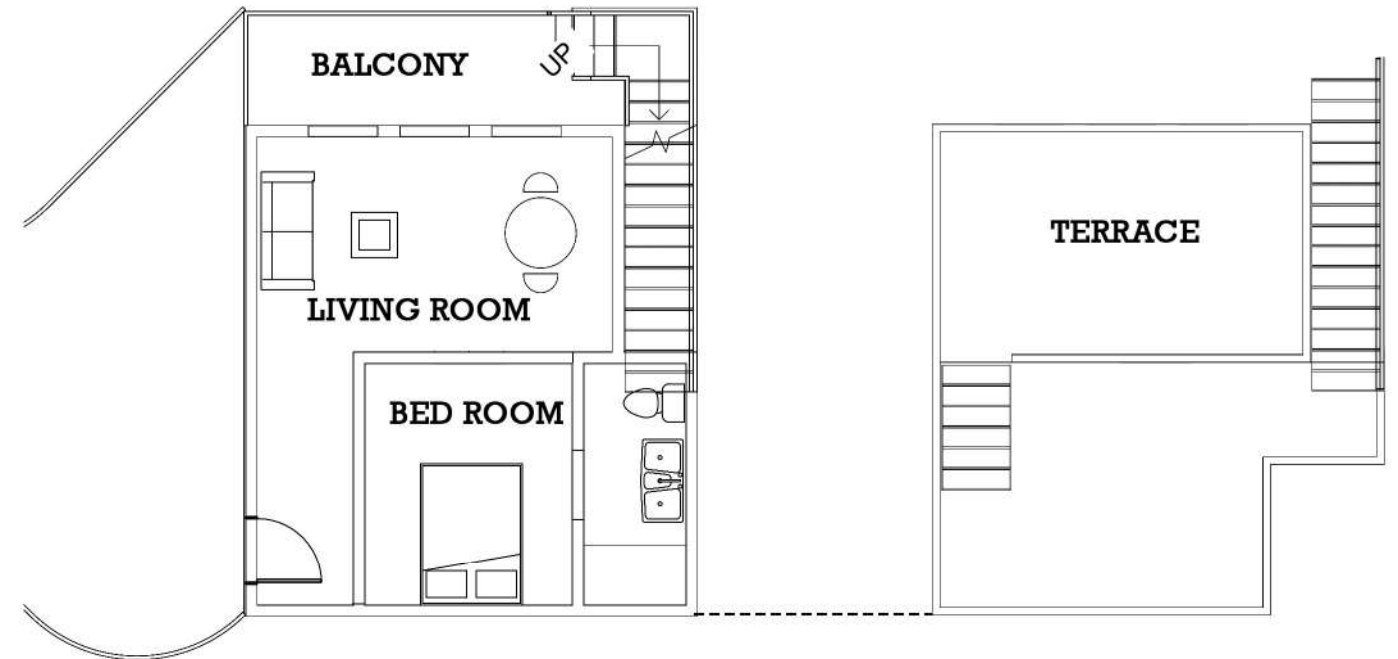
GROUND FLOOR PLAN
SCALE 1:100

FIRST FLOOR PLAN
SCALE 1:100

SINGLE DOMES WERE SPECIFICALLY DESIGNED FOR WILD LIFE PHOTOGRAPHERS AND PEACE SEEKERS. THIS TYPE OF USERS CONSIDER TO STAY IN AN ISLOATED AREA TO AVOID UNWANTED NOISE AND DISTURBANCE. THAT'S THE REASON SINGLE DOMES ARE PLACED AT THE END OF SITE (AWAY FROM CROWDED AREA). THE REASON FOR PROPOSING THIS DOMES TO PHOTOGRAPHERS, BECAUSE IN TIME THE ABANDONED PRAWN FARMS WILL BE CONVERTED INTO MANGROOVE VEGETATION AREA. NATURALLY IT WILL BECOME A HABITAT FOR MANGROOVE HABITAT BIRDS.

WALL - RAMMED EARTH
FLOOR - TIMBER

COUPLE DOME

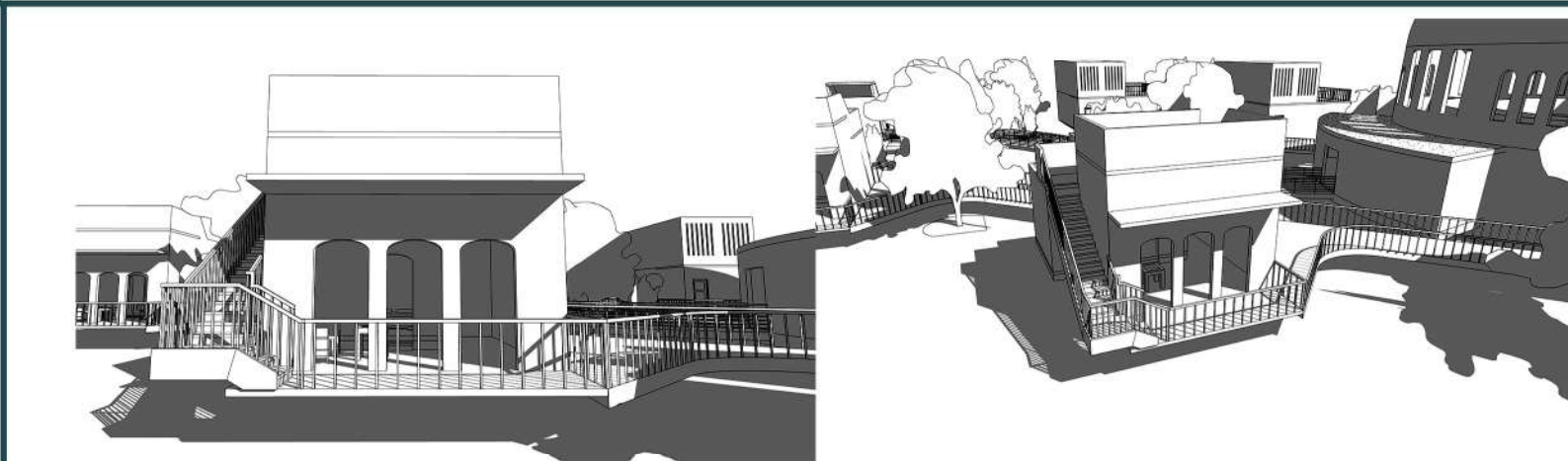
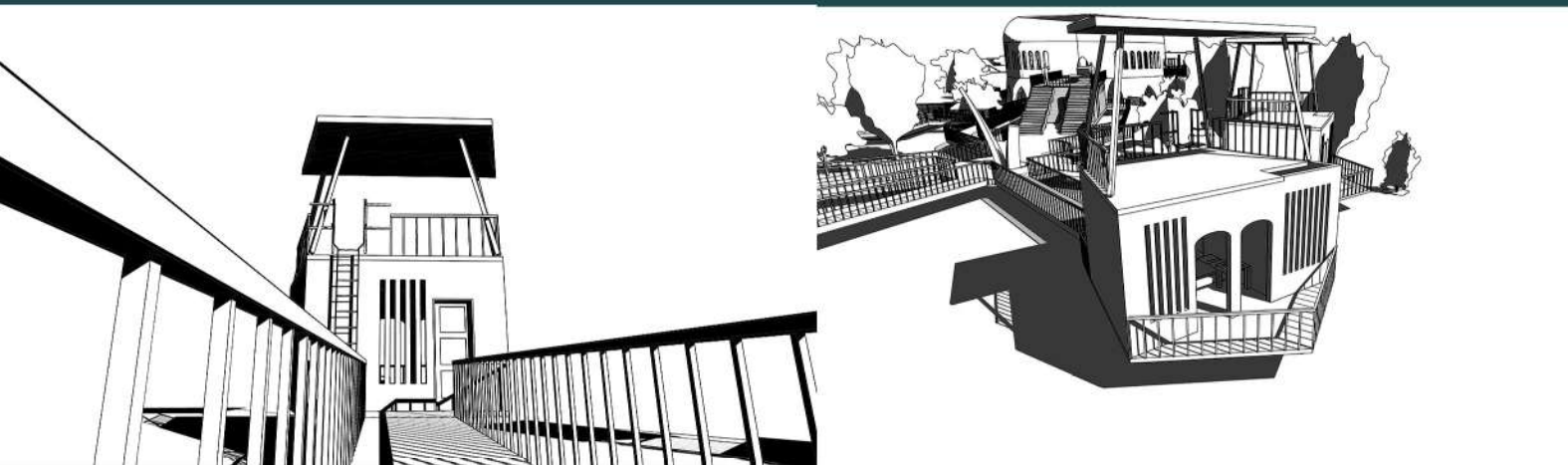


GROUND FLOOR PLAN
SCALE 1:100

FIRST FLOOR PLAN
SCALE 1:100

'ROMANCE WITH NATURE' IS THE CONCEPT FOR A COUPLE DOME. COUPLE CONSIDER MORE PRIVATE SPACE WHERE IT CREATE A RELAXING BOND. WHERE THEY WANT TO BE CLOSE WITH EACH OTHER WHILE HAVING MORE PRIVACY FROM OUTER WORLD. TO REFLECT THAT I HAVE CREATED ONE SINGLE SPACE AND DIVIDED THE SPACE USING LEVELS AND CURTAIN PARTITIONS. LIVING IN SAME SPACE MIGHT CRATE A STRONG BOND BETWEEN COUPLES. AT FIRST FLOOR I HAVE MADE A TERRACE, WHICH CAN BE USED AS A HANG OUT AREA OR AN OUTDOOR DINE AREA WHILE ENJOYING THE NATURE.

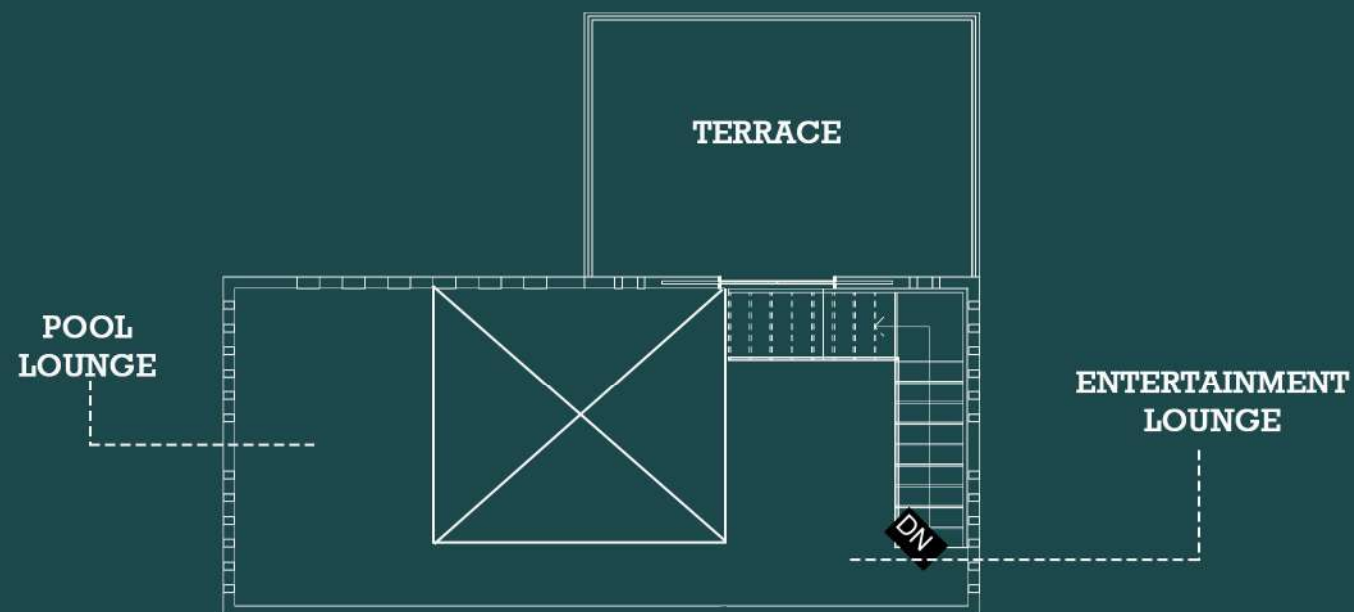
WALL - RAMMED EARTH
FLOOR - RCC SLAB



FAMILY DOME



GROUND FLOOR PLAN
SCALE 1:100



FIRST FLOOR PLAN
SCALE 1:100

THE CONCEPT FOR FAMILY DOME IS TO CREATE A COMMUNICATION BETWEEN FAMILY MEMBERS. CURRENTLY MOST OF THE FAMILIES ARE BROKEN MENTALLY BECAUSE OF AGE GAPS. I'M TRYING TO FULFIL THAT GAP. PROVIDE MORE ENTERTAINMENT COMPACTED AREA FOR BOTH GENERATION TO INVOLVE IN IT.

FAMILY DOMES CAN ACCOMODATE UPTO 4 PEOPLE EACH.

TWO BEDROOMS ARE AVAILABLE IN THIS DOME (INCLUDING A MASTER BEDROOM) BOTH OF THEM ARE CONNECTED TO BALCONY. WITH THAT WE CAN INVOLVE NATURE TO REGENERATE THE MENTAL HEALTH OF VISITORS. IT CAN ALSO HELP TO KEEP THE SPACES NATURALLY LIGHTED AND VENTILATED.

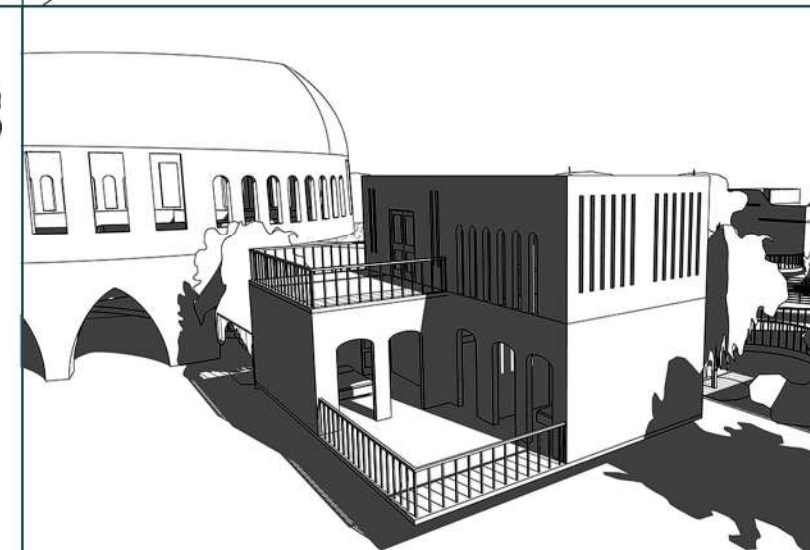
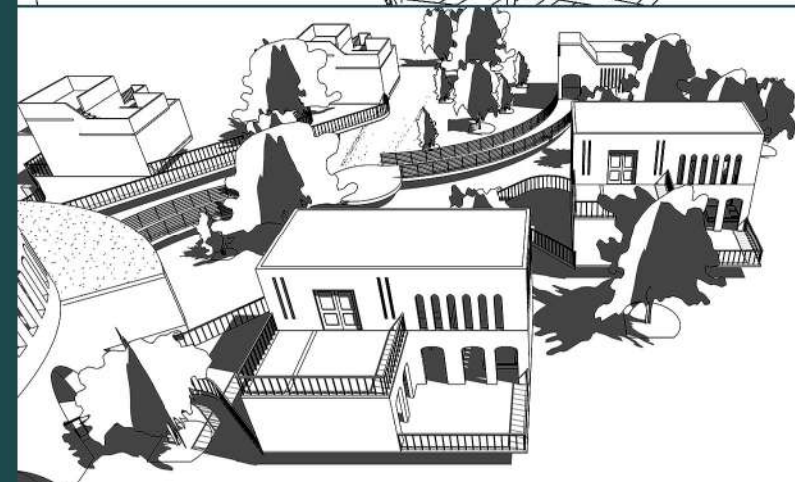
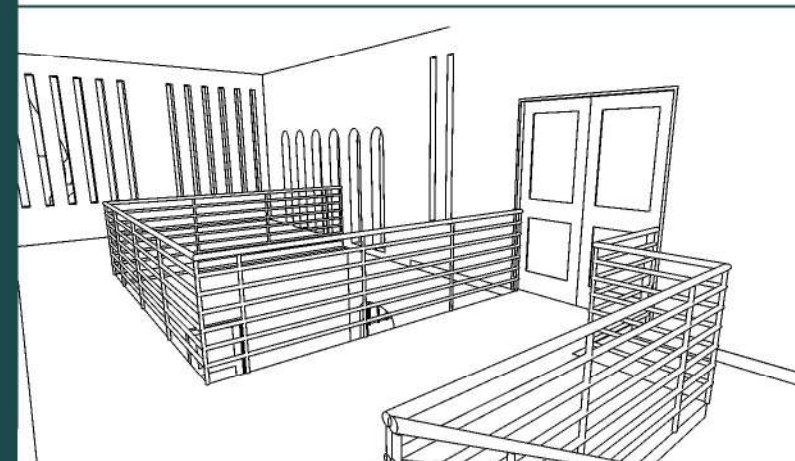
MATERIALS

RAMMED EARTH WAS USED AS THE COMMON MATERIAL FOR WALLS IN EVERY ACCOMADTION STRUCTURE. FOR SOME PURPOSE LIKE,

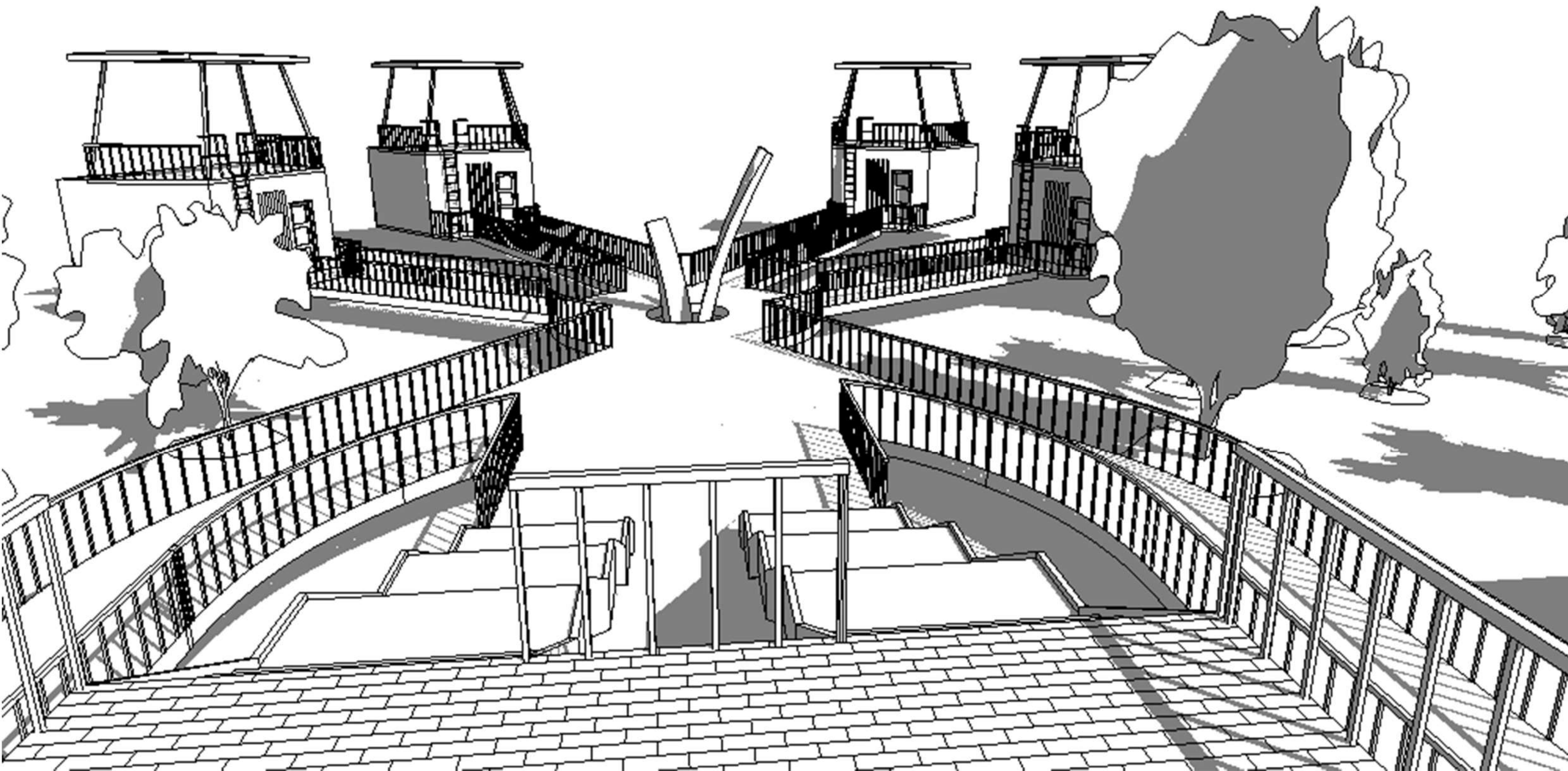
- * TO MAINTAIN RURAL LUXURY ATMOSPHERE
- * AESTHETICALLY PLEASING
- * ZERO CARBON FOOT PRINT
- * LOW MAINTENANCE

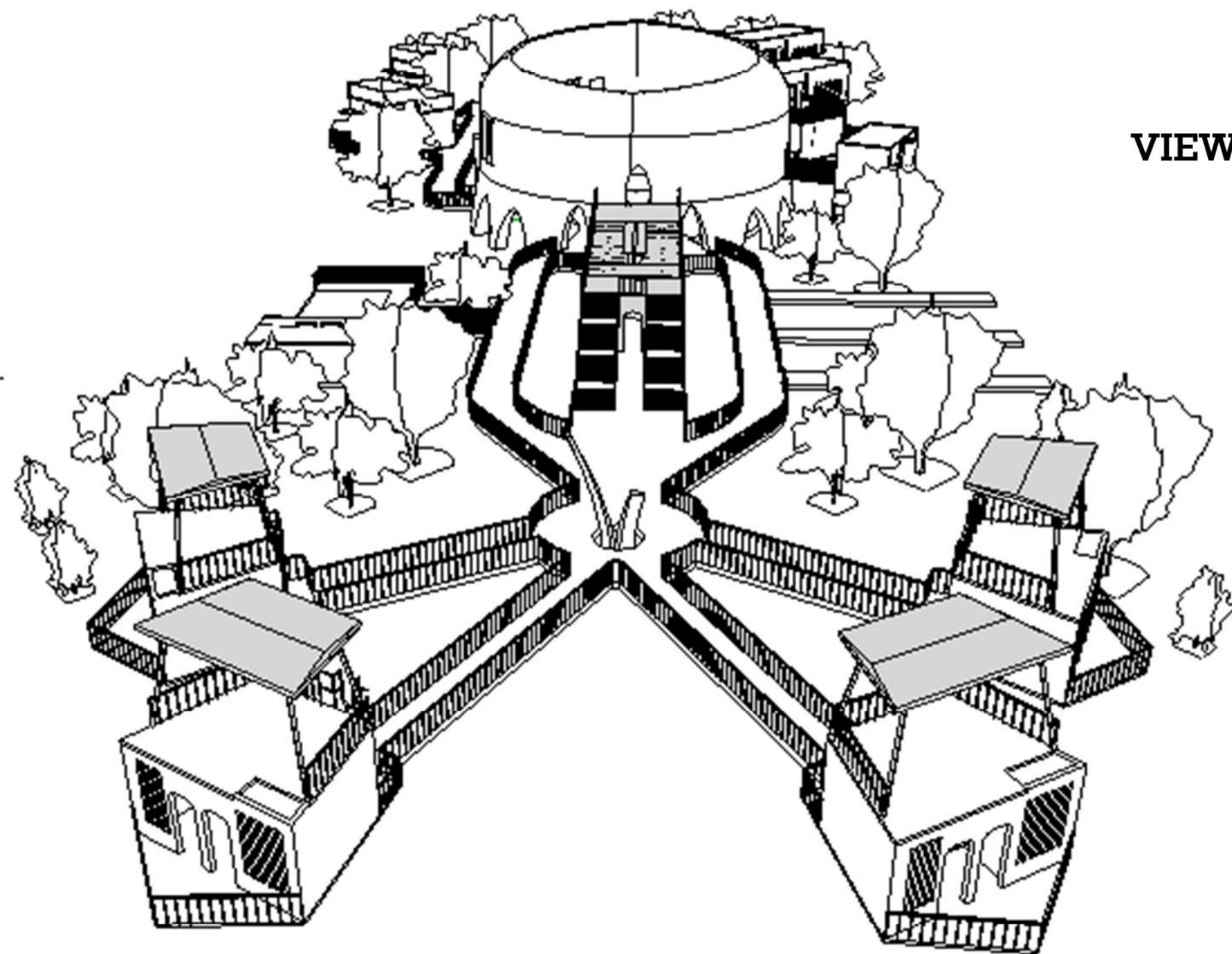
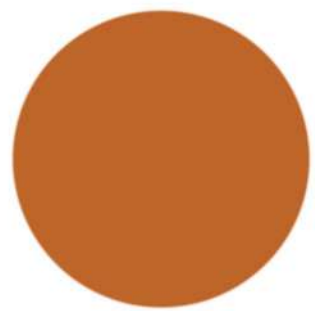
TWO TYPES OF FLOOR MATERIALS WERE USED: TIMBER & CONCRETE

- * TIMBER IS USED IN SMALL AREA STRUCTURE TO REDUCE THE MAINTENANCE.
 - SINGLE DOME
- * CONCRETE IS USED FOR LARGER AREA STRUCTURE
 - COUPLE DOME, FAMILY DOME

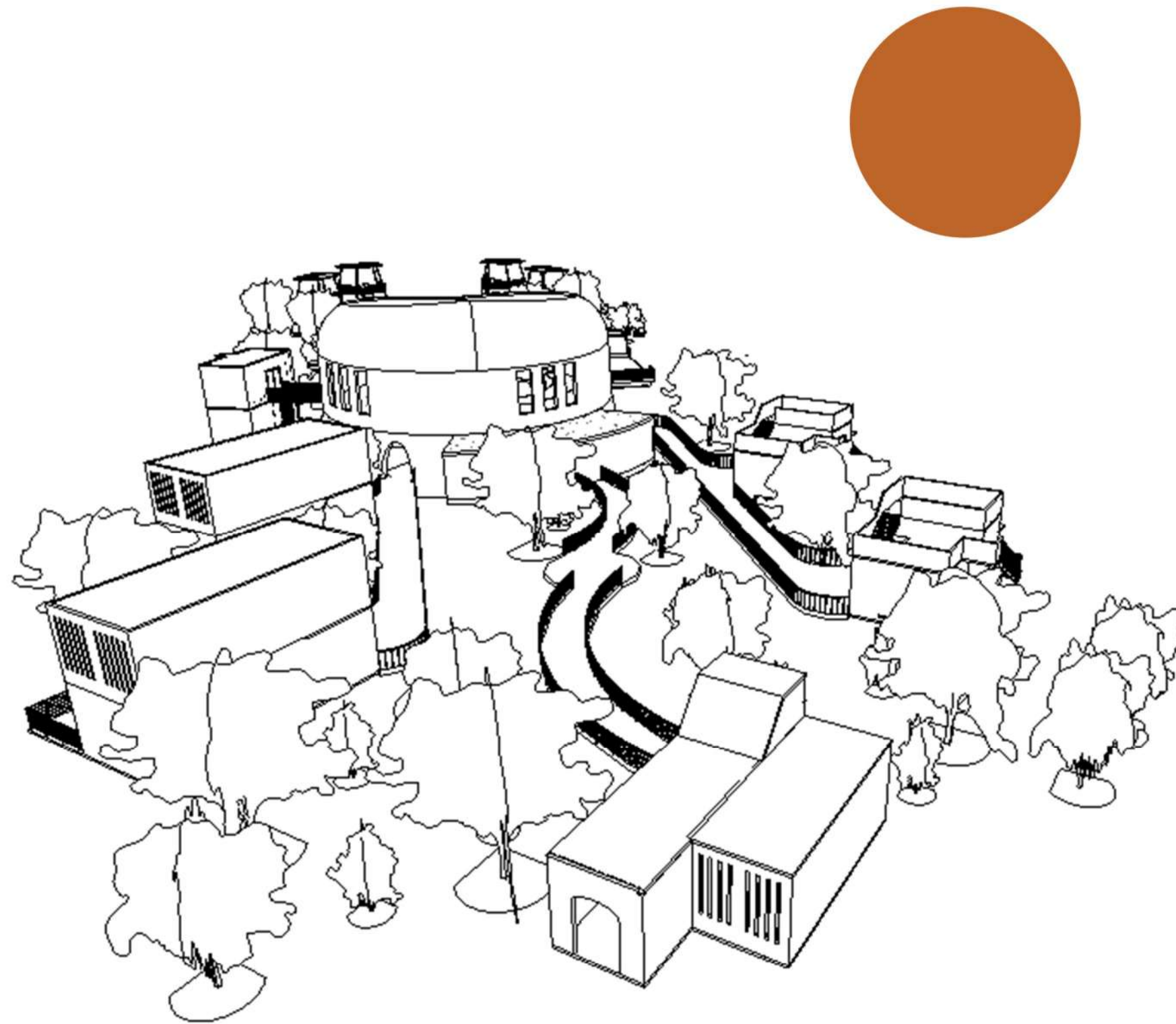


VIEW FROM TOP OF EXHIBITON AREA





VIEW FROM NORTH



VIEW FROM SOUTH