

"Sometimes i wonder if i was seeing the same things through my eyes that the rest of the world was seeing through theirs. Maybe there was a glitted in my brain."

-Stephenie Meyer

DUSSAMA HAZIM

born: 28-feb-1996 architect Lebanese



PRACTICE EXPERIENCE

Rome Spain parametric design workshop (Internship) -03 july 2016 Sapienza Universita Di Roma

Lectures on parametric design simulation as well as environmental optimization and digital fabrication prototyping, then applying it on a case project

Tripoli Lebanon rendering/drawing/site monitoring -05 june 2017 Soufi Construction And Trading Office

Debbieh Lebanon digital fabrication workshop -17 april 2018 Beirut Arab University

Lectures on design simulation and digital fabrication prototyping, then executing our designs using cnc machine, robotic arm and other fabrication tools

LANGUAGES







SOFTWARE SKILLS

ACADEMIC BACKGROUND

10 june 2014 Al Isalah Islamic High School Tripoli Lebanon

bachelor degree -13 june 2019 Beirut Arab University Tripoli Lebanon

COMPETITION PROJECTS

green park and gathering spaces -07 March 2018 UN Habitat Urban Planning Abi samra-Tripoli Lebanon

art prison -15 April 2018 Young Architects Italy- Favignana island

hospital and school -20 May 2018 Dar Al Eftaa Akkar-Lebanon

ADDITIONAL INFO

Intrested In:

- Graphic design
- Psychology
- Photography
- New tech
- Art and illustration

self assesment Skills and Potentials:

- Team work
- Leadership
- Work under pressure

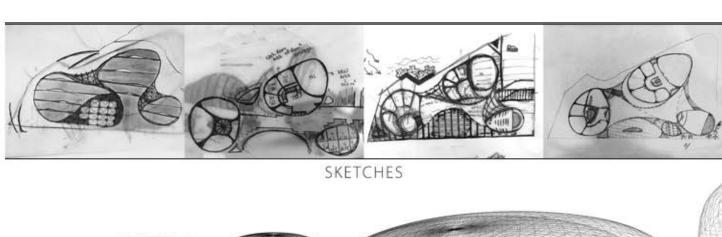
Referees and Portfolio provided on request

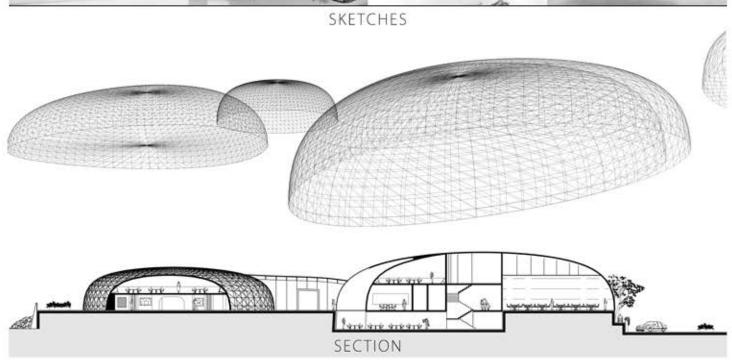
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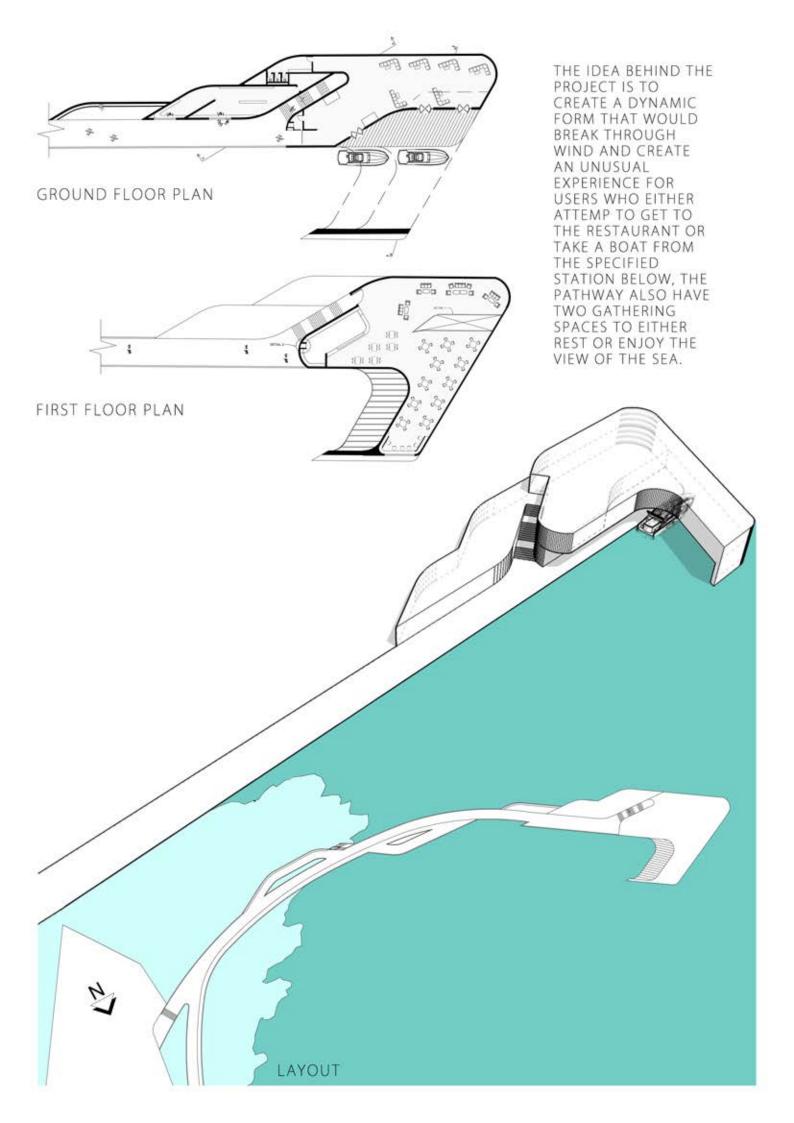
ACADEMIC WORK 2nd YEAR

BOAT STATION ACADEMIC WORK 2nd YEAR



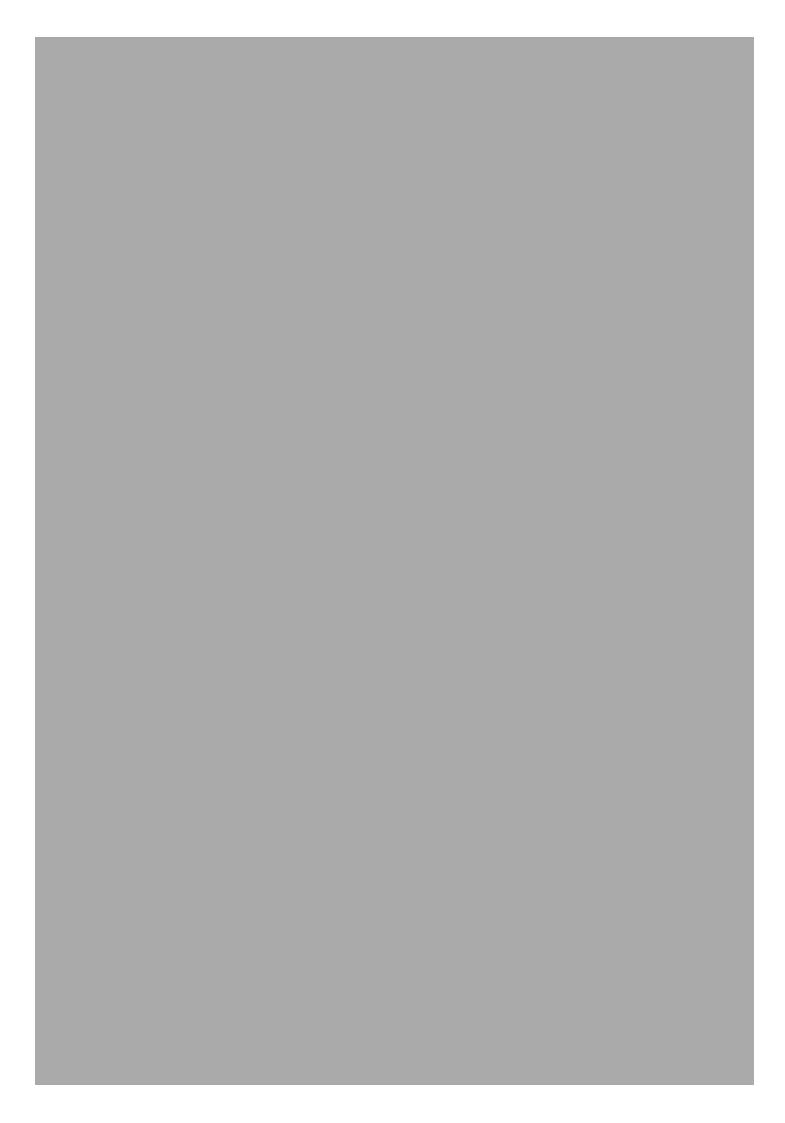


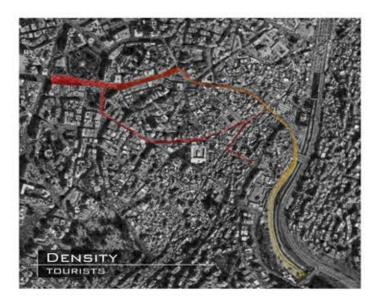


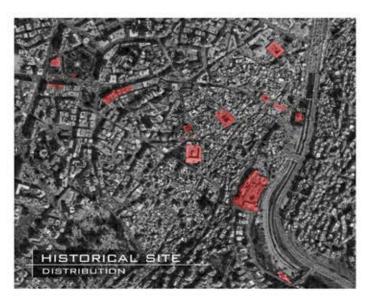


MEMORIAL CULTURE CEN

ACADEMIC WORK 5th YEAR







CONCLUSIONS :

- . NECESSITY TO FIND A TOURISTIC SITE TO ENHANCE THE TOURISM POTENTIAL OF THE AREA
- PRESERVING A COMMUNITY HEIRLOOM

CONCLUSIONS :

- THE REGION IS RICH IN HISTRORICAL BUILDINGS.
 HISTORICAL BUILDINGS ARE NOT JUST CASTLES BUT THERE IS MOSQUES , SCHOOLS. . RESIDENTIAL BUILDINGS . KHANS AND SOUGS.





CONCLUSIONS :

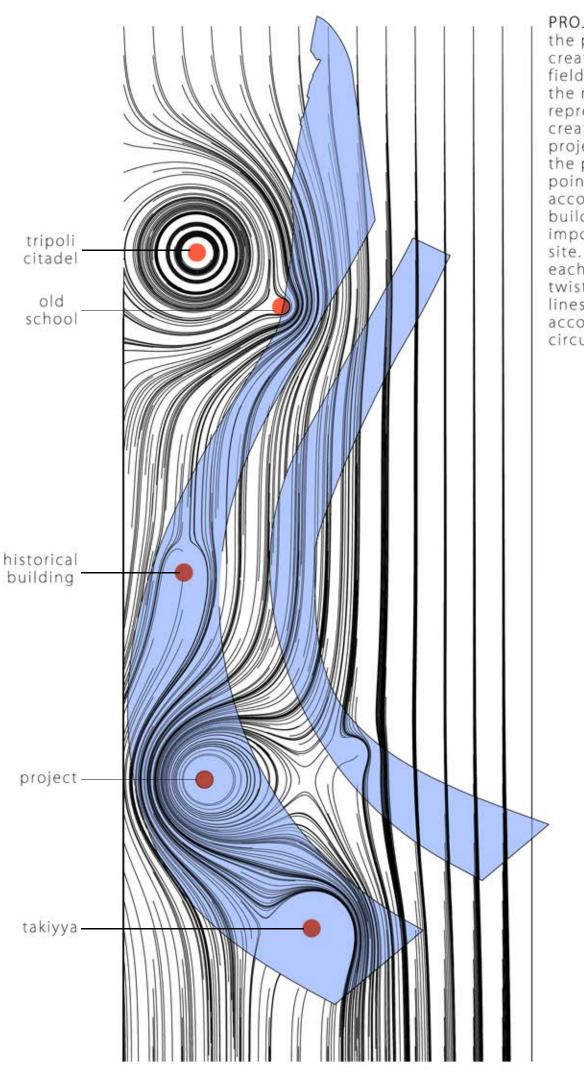
TWO SEPARATE VEGETATED AREAS, IN BETWEEN BARREN AREA

- · POTENTIAL O STRENGTHEN THE CONNECTION BETWEEN BOTH AREAS THROUGH VEG-ETATION
- SOME AREAS ARE PREPARED FOR VEGETATION BUT OD NOT HOLD ANY
 NO PRIVATE GARDENS, ONLY FEW ROOFTOP GARDENS AND SHOPKEEPER POTTED
- PLANTS BLURRED LINE BETWEEN PUBLIC AND PRIVATE
- · RELIANCE ON RAINWATER FOR IRRIGATION
- . INFORMAL KIOSKS IN PHYSICAL LOCATIONS OF SHADE
- · PATH DEFINED BY TREES
- . IN THE CENTRAL SPACE OF THE GARDEN, SOME BENCHES ARE NOT SEATED IN SHADE, SO THEY ARE NOT USED

CONCLUSIONS:

- MATERIAL IS GEWIG MORE AND MORE IMPORTED: COPPER, WOOD FOR FURNITURE AND TEXTURE FOR CARPETS.
 AS PRODUCTION IS MOVING TOWARDS MECHANIZED RATHER THAN MANUAL, THERE
- IS A DECLINE IN CRAYSMANSHIP.

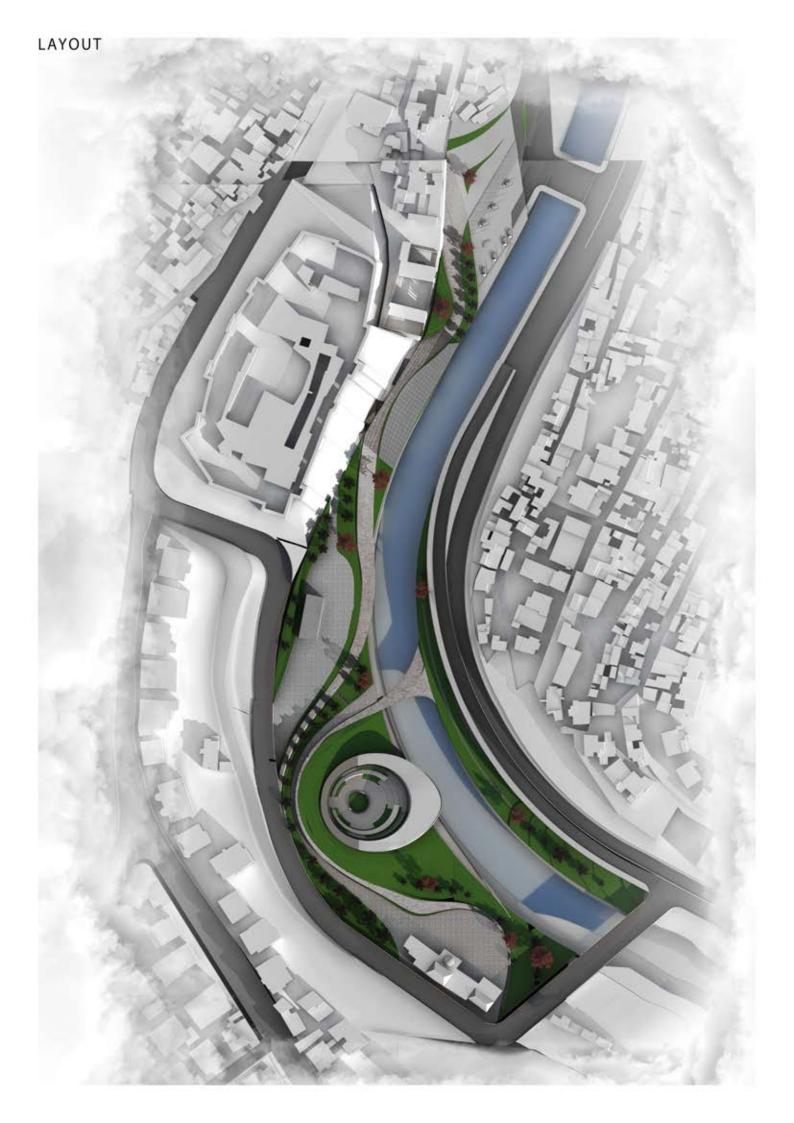
 THE STREET IS TRANSFORMING FROM A PLACE OF SKILLED PRODUCGON TO A PLACE OF COMMERCIAL INTERACTION.

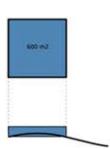


PROJECT LAYOUT: the project grid is created on magnetic

fields.
the red points
represents the force
created on the
project grid.
the power of each
point is set
according to the
building impact and
importance on the

each point either twist or push the lines of the grid according the users circulation.

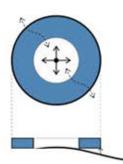




PROGRAM STRATEGY

The brief asks for a 600 m2 The oner asks for a 500 m. Besides that, this particular facility contains very diverse typologies that have to work together as an all integrated system but, because of each type specificities, they will also need some autonomy and privacy between functions.

We concluded that a block volume building would not be able to respond to such needs.

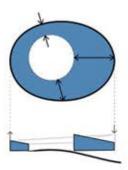


CIRCULAR BUILDING

The circular building band model permits a radial disposition. The functional distribution of the program allows taking full advantage of the landscape in all 360°.

The inner circumference volume subtraction of the of the patio void allows crossed ventilation, natural light and direct to exterior connection in all rooms.

The building is also lifted from the ground, leaving the terrain topography untouched, reducing to almost zero the need for excavation or land filling. The natural flow of rain water and wind is also preserved.



VOLUME MORPHING

The shape, width and weight of the building is morphed according to the functional criteria plan distribution and the specific needs of each item/room.

Keeping the definition of a nuclear perfect circumference, the patio uses one of the most classic and regular geometric form to generate a natural arena stage naturally producing a gathering socialization space underlined by the concentric shape of the concave roof surface.





PERIMETER BUFFERS

Under the single continuous gesture of the large roof surface and according to program space and proportion optimization, two perimeter buffers are generated.

The inner perimeter is the main covered circulation and distribution path through service spaces. The outer one is mainly a more private and contemplative deck that permits a more reserved and private use and enjoy of the landscape.

Both perimeters widen according to shadowing / covering and/or circulation / program distributing needs along the radial

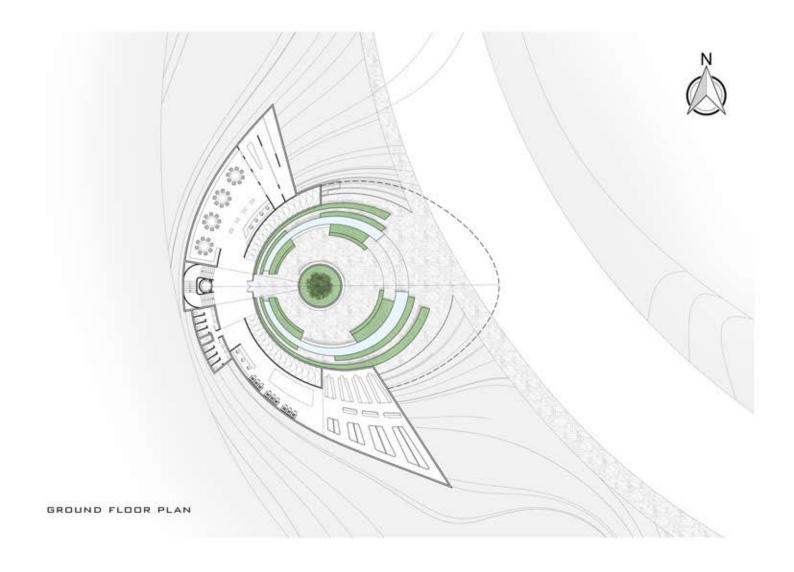


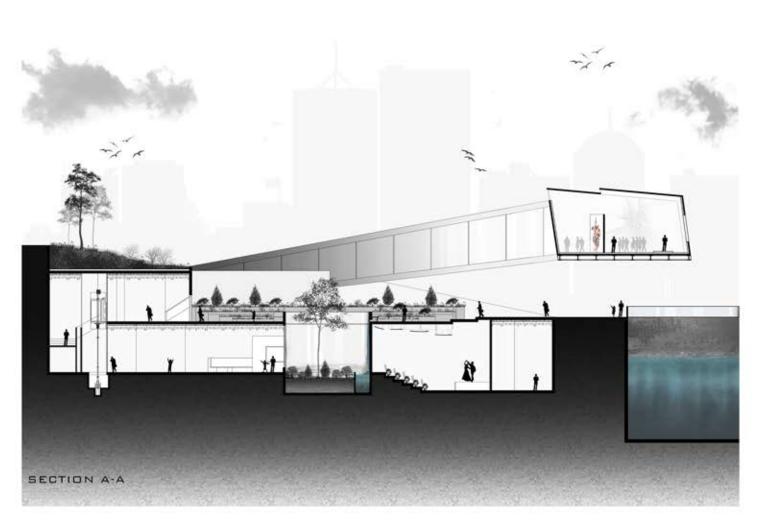
EXHIBITION : POINT OF VIEW STUDY

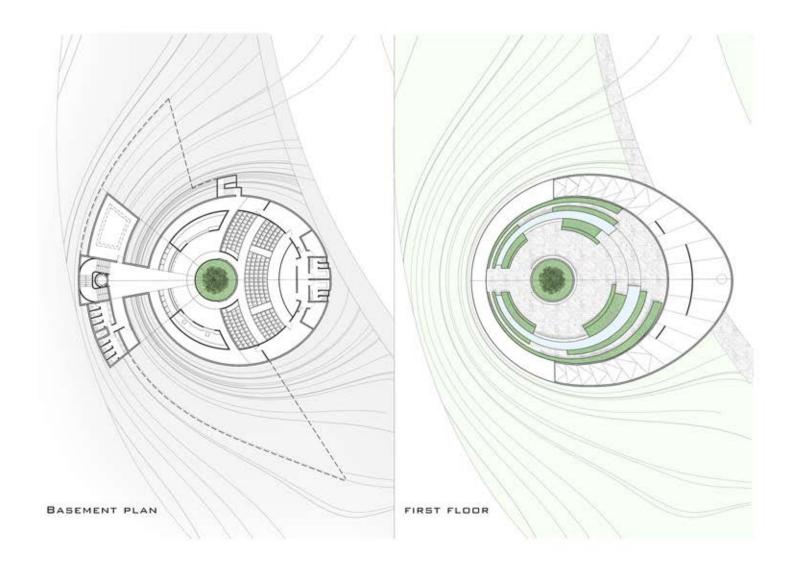
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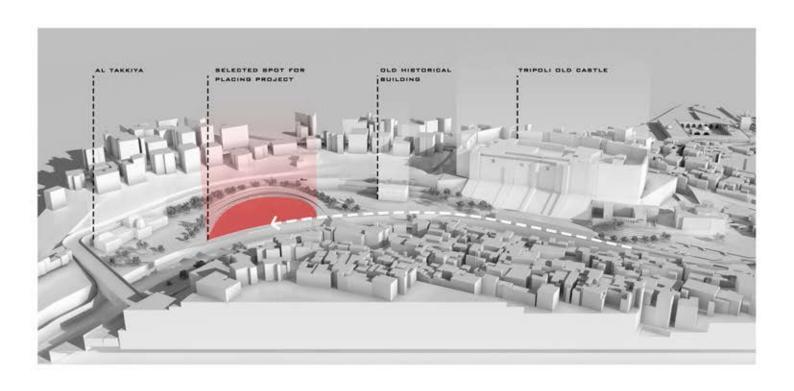














3D VIEW 1

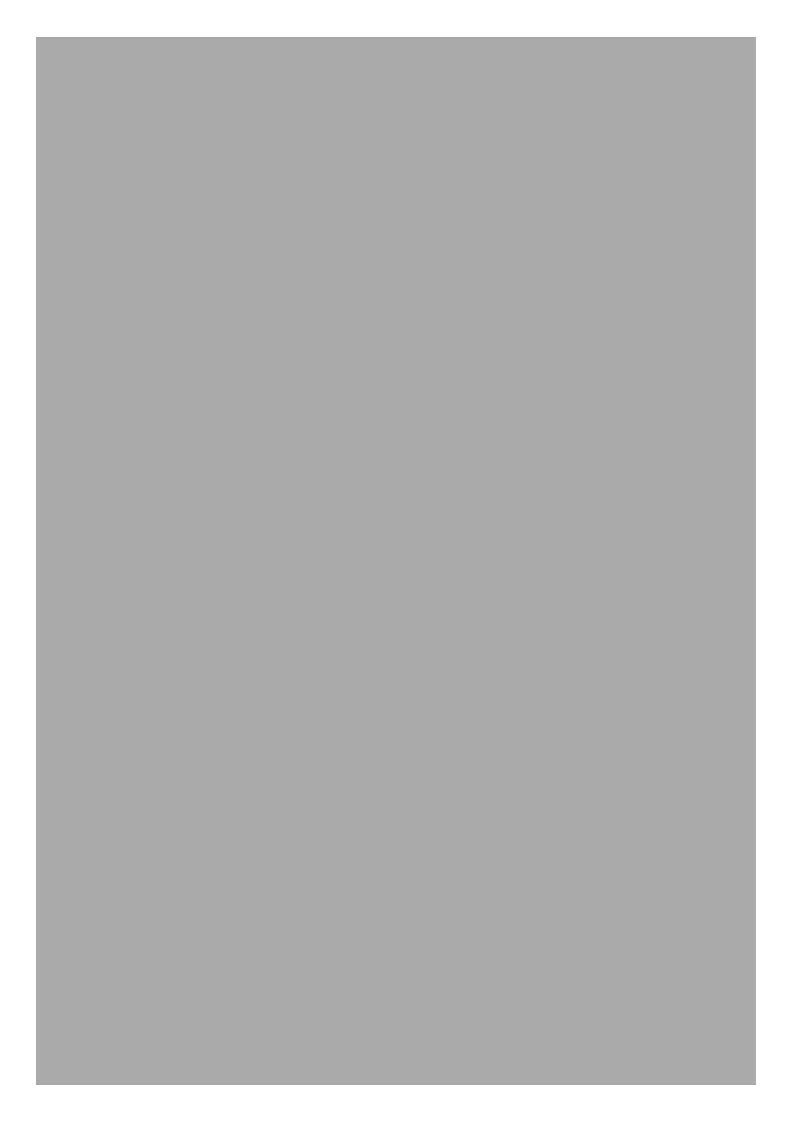




3D VIEW 3



SEED BANK GRADUATION PROJECT



SECURITY THREATS



MAN-MADE DISASTERS, SPECIALLY IN THE MIDDLE EAST, CAN BE AS DEVASTATING TO PLANT LIFE AS NATURAL DISASTERS. AN OBVIOUS EXAMPLE WOULD BE THE SYMAN CIVIL WAR. IN FACT, ONE OF IRAG'S VITAL SEED BANKS WAS LOCTED DURING FIGHTING. THE SAME STORY HAS BEEN REPEATED

POPULATION GROWTH



INDIGENOUS PEOPLE, IN THE MIDDLE EAST, HAVE USED PLANTS TO CUSE SICKNESS FOR CENTURIES. ONE IN EVERY SIX WILD PLANTS IS USED FOR MEDICINAL PURPOSES. WHO KNOWS WHAT DISEASES THE RIGHT PLANT OR HERB COULD ERADICATE? REVIVING THIS ACT AGAIN IN LESANON IS CRUIL.

NATURAL DISASTERS



NATURAL DISASTERS CAN WREAK MAVOC ON A RESION'S ECOSYSTEM. AFTER THE 2004 TSUNAMI DESTROYED RICE PADDIES IN MALAYSIA AND SRI LANKA, INTERNATIONAL SEED BANKS PROVIDED LOCAL FARMERS WITH VARIETIES OF RICE TO BESIN SHOWNS THEIR CROPS AGAIN, IN AIM TO SERVE THAT REGION,



IN RECENT YEARS, SOVERNMENTS FROM ACROSS THE WORLD HAVE UNITED TO CREATE A NETWORK OF 'DODMSDAY SEED VAULTS' IN ANTICIPATION OF A GLOSAL CATASTROPHE. THE LABORATORY WILL USE THE SEEDS AS PART OF A GLOSAL EFFORT TO SREED NEW CROPS CAPABLE OF WITHSTANDING THREATS SUCH AS ORDUGHT, CLIMATE CHANGE AND DISCASSES. THEY ARE BEING DELIVERED TO LEBANDN WHERE THEY WILL BE USED FOR FOOD SECURITY RESEARCH.

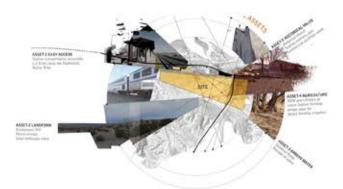


NOW HUMANITY'S 'LAST RESORT' IN THE MIDDLE EAST HAS DOTTEN BISSER, WITH LEBANON RECEIVING 70,000 NEW BAMPLES. THE NEW DELIVERY CONTAINED MORE THAN 50 WILD RELATIVES OF CULTIVATED CARDPS, INCLUDING LENTILS, WHEAT AND BARLEY. THE SAMPLES CAME FROM BRITAINS OWN DOOMSDAY VAULT - THE MILLENNIUM SEED BANK AT KEW, SUSSEX, WHICH IS THE WORLD'S LARBEST WILD PLANT SEED BANK.



THE LAST DECADES HAVE WITHERED COUNTLESS, PRODRESSIVE, RAYDS ADVANCES IN THE FILLS OF BUILDING FECHNOLOGY, WHICH HAS A STOOM INDICES. TO THE CONSTRUCTION HOUSE STOOM THESE SECURITY STOOMS TO THE AVAILABLE PRODUCT OF THE AVAILABLE PRODUCT OF THE AVAILABLE PRODUCT OF THE AVAILABLE PRODUCT OF THE AVAILABLE PRODUCT. THE STOOMS TECHNOLOGY COULD BE A CONTINUENT OF FOUR TO REPORT OF THE ADMINISTRATIVE FLOWER FLOWER FLOWER FLOWER THE ADMINISTRATIVE FLOWER OF THE ADMINISTRATIVE FLOWER FLOWE

DESERT FARMING MOISTURIZER



3.1 NATURAL TOPOGRAPHY



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3.3 SHAPING DIREULAS FORM



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3.5 CHEARNS SKYLIGHT



HARMYS SEVERAL SPECIAL PROBLEMS THE SHEET SPECIAL SHE THE PROJECT AND RESPONSE THE SHEET SILES OF REPLACEMENT SHEET SPECIAL SHEET SH

3.2 SURTRACTING MAIN MASS



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3.4 ADDING MAIN MASS

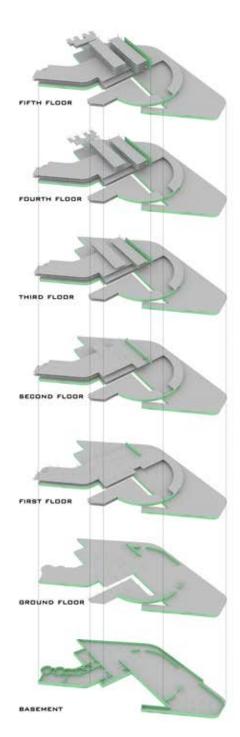


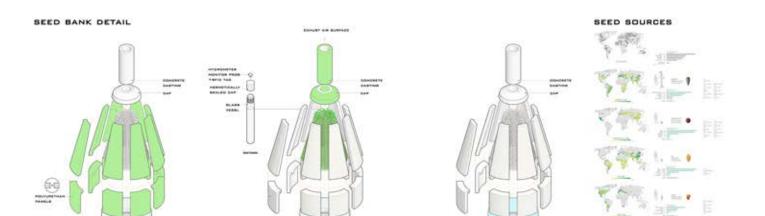
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3.6 PLAGINE HELICOPTER BASE

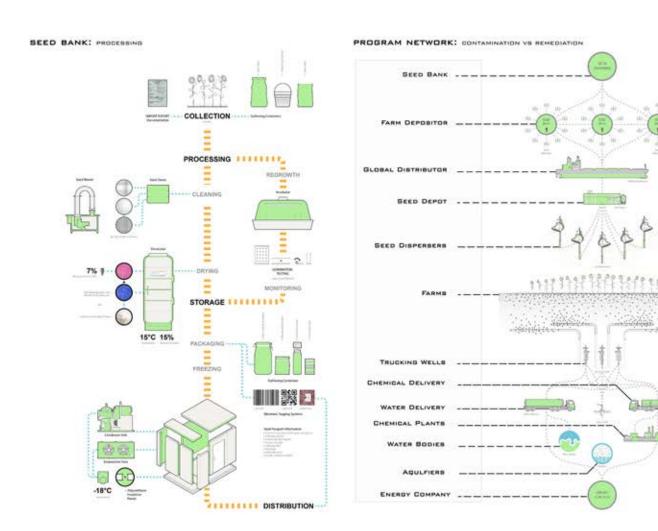


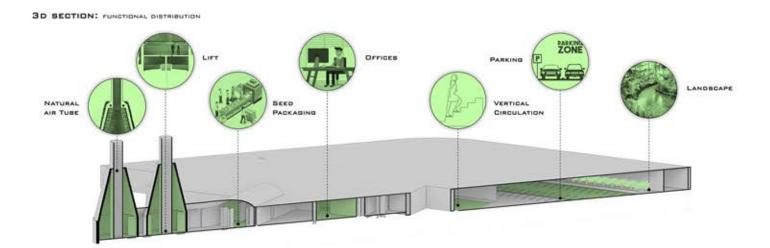
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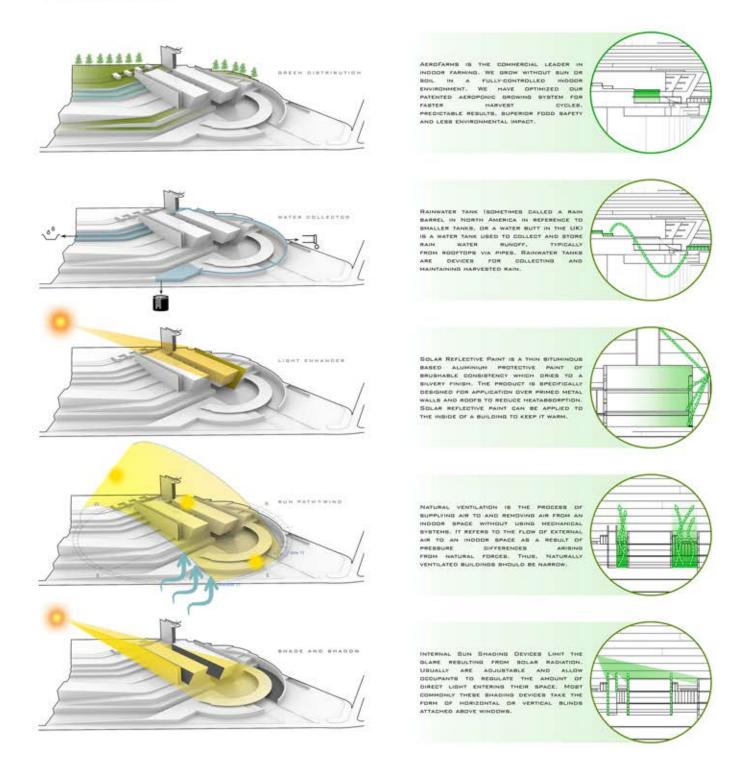




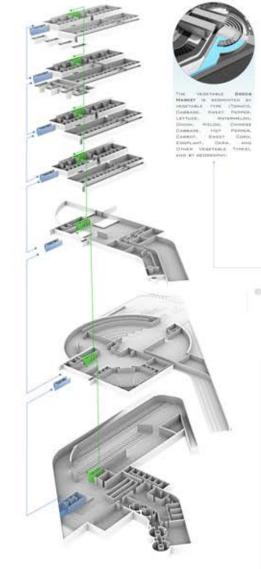
والمساحلة أأأ أفاعل المالية















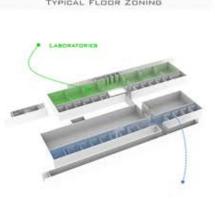


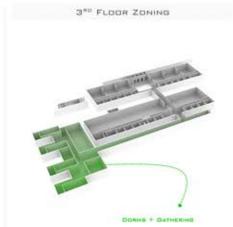


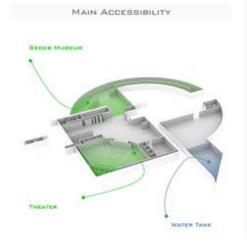












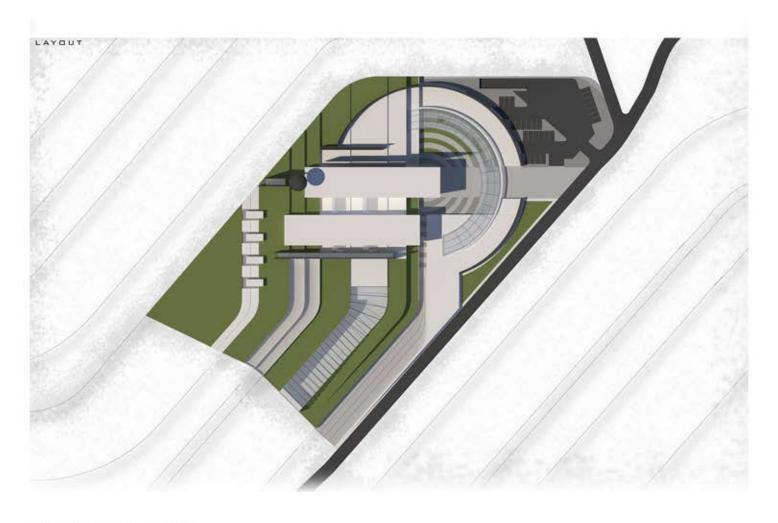




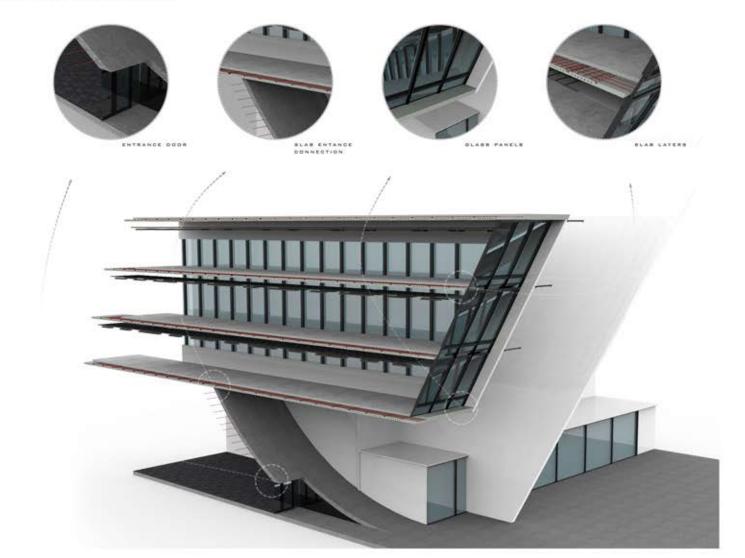


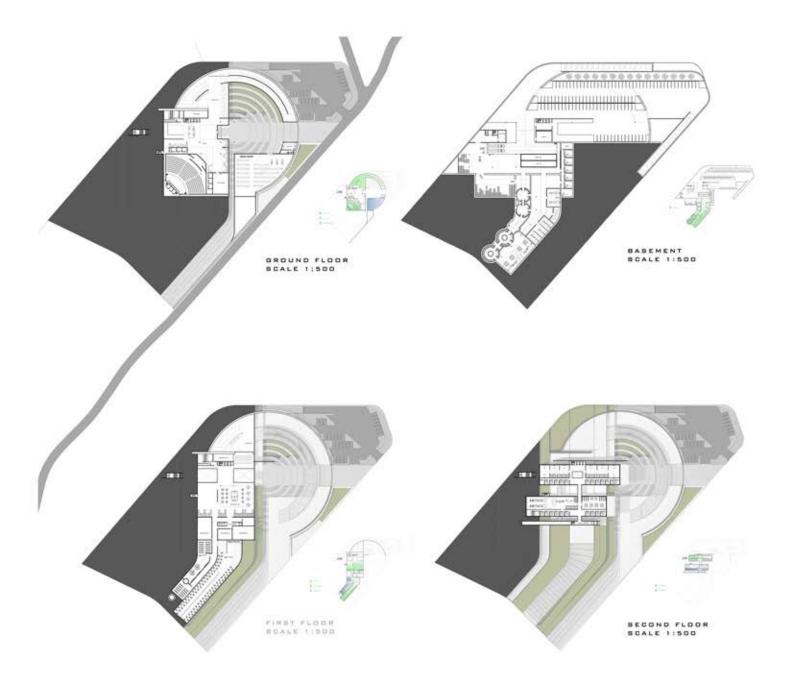


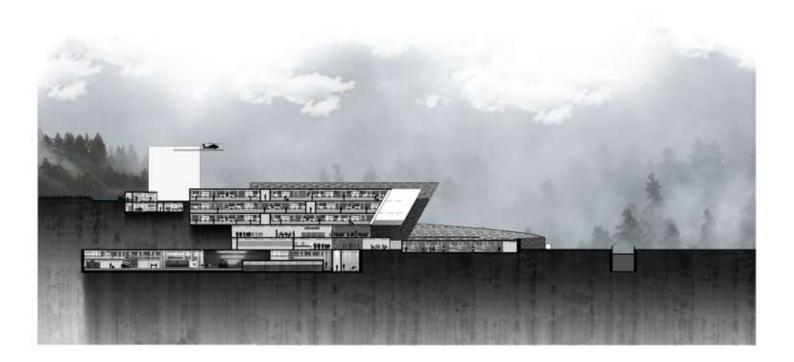




30 WALL SECTION DETAIL









3D VIEW 1

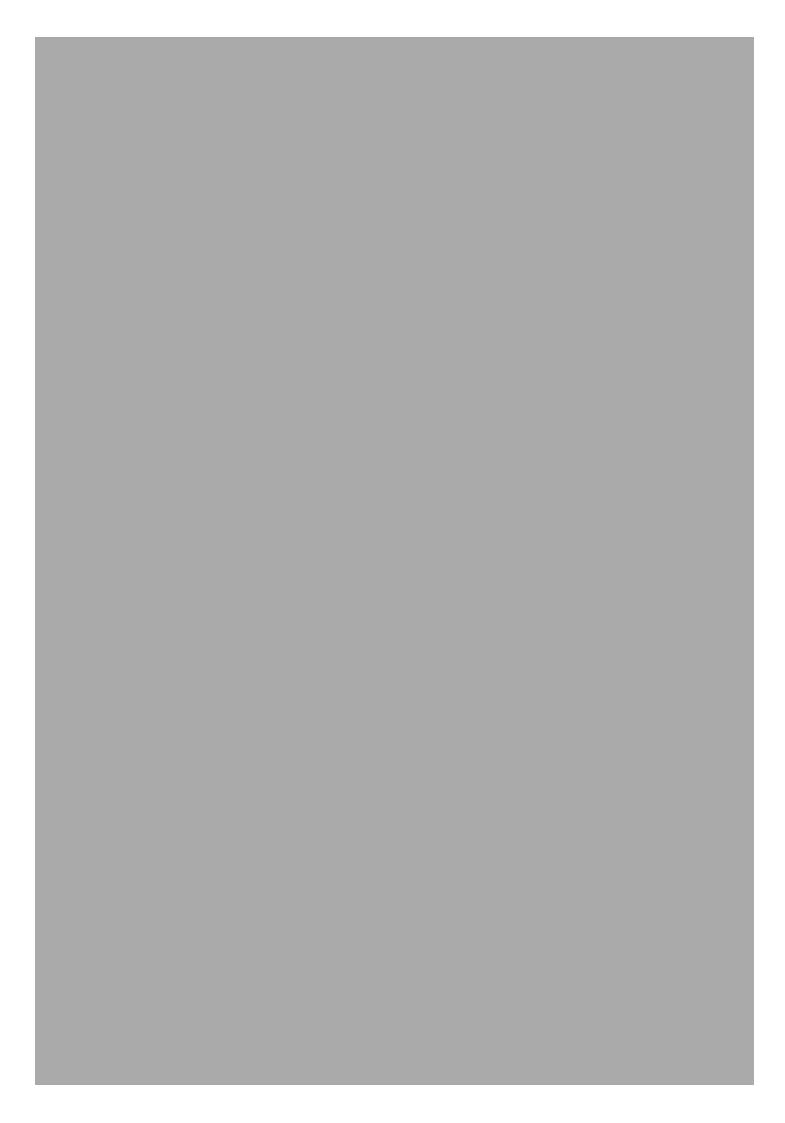


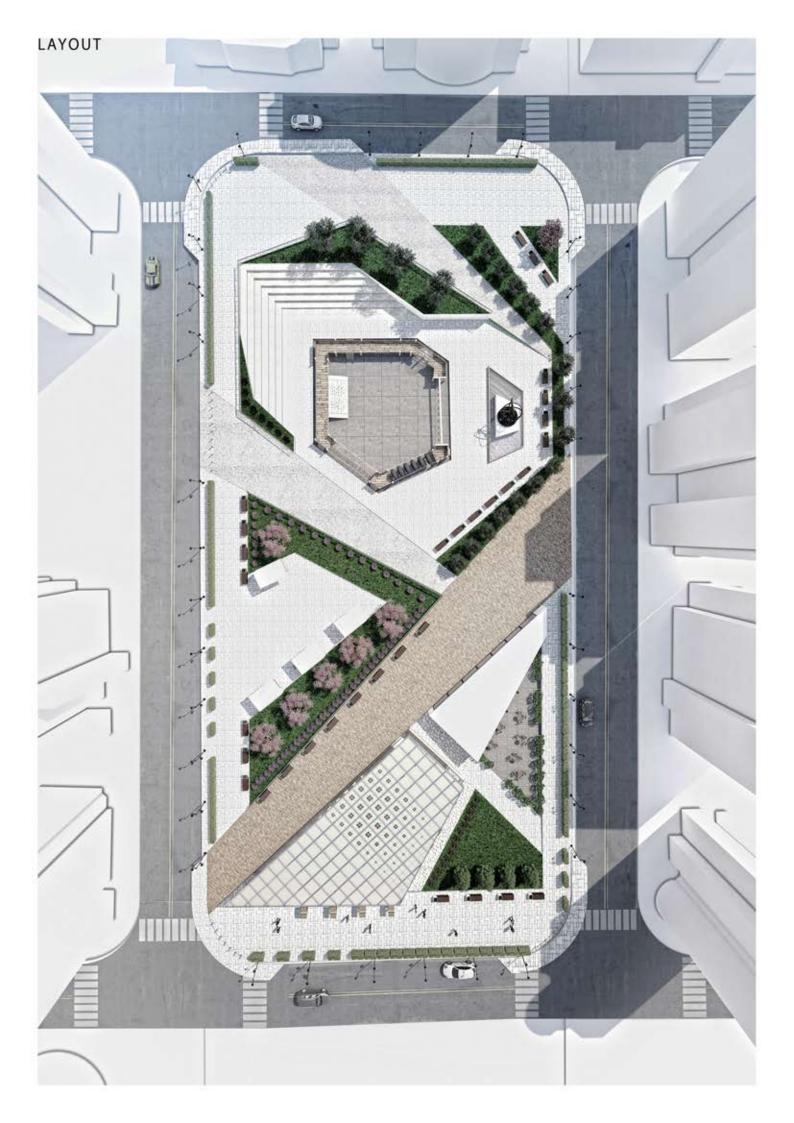


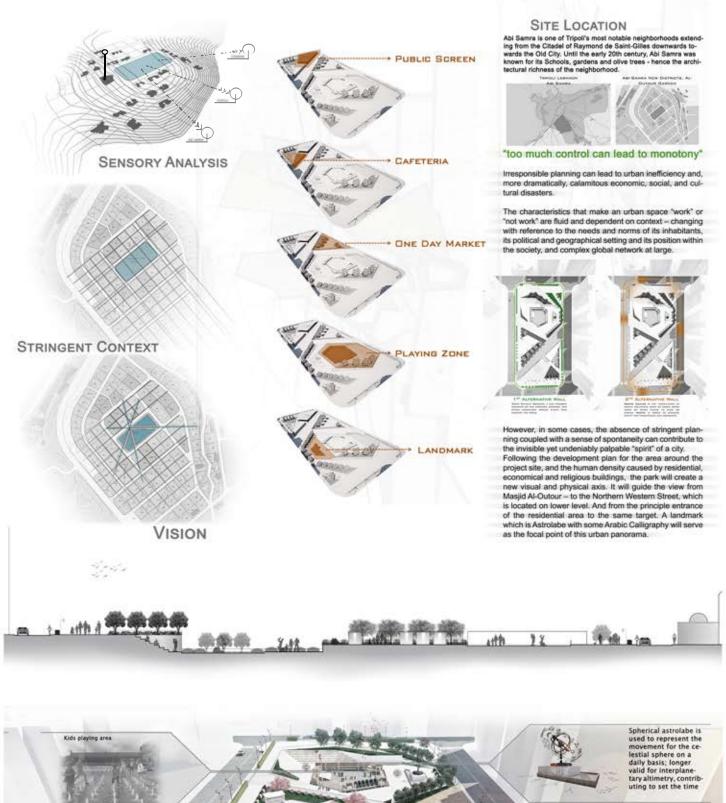
3D VIEW 3



BLIC SQUARE











3D VIEW 1

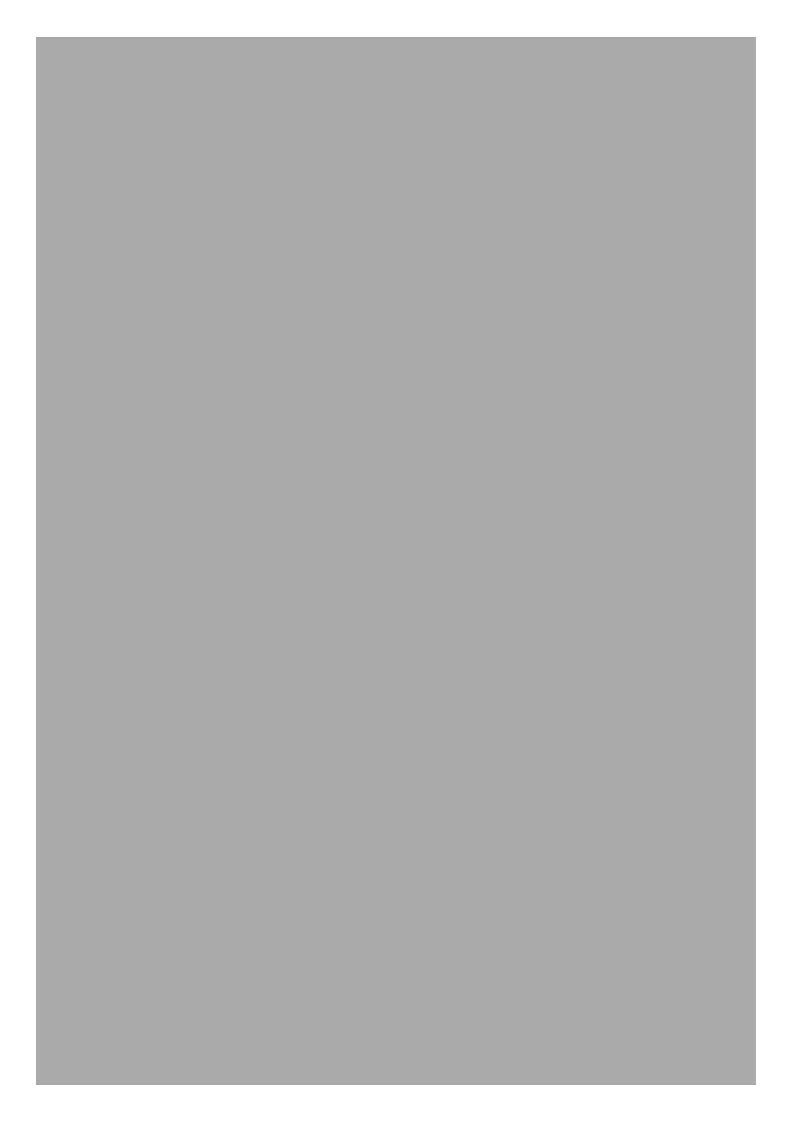




3D VIEW 3

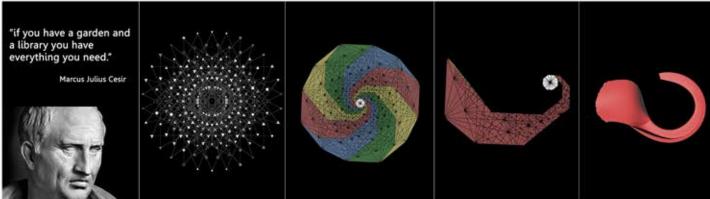


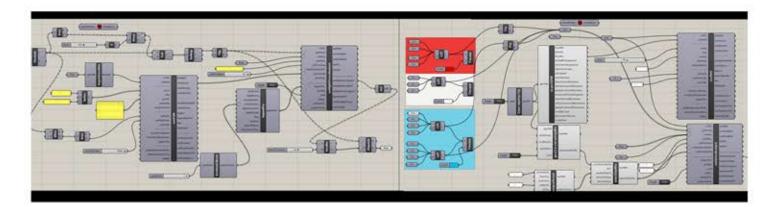
SCHOOL WROKSHOP

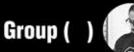


THE READING STATION



















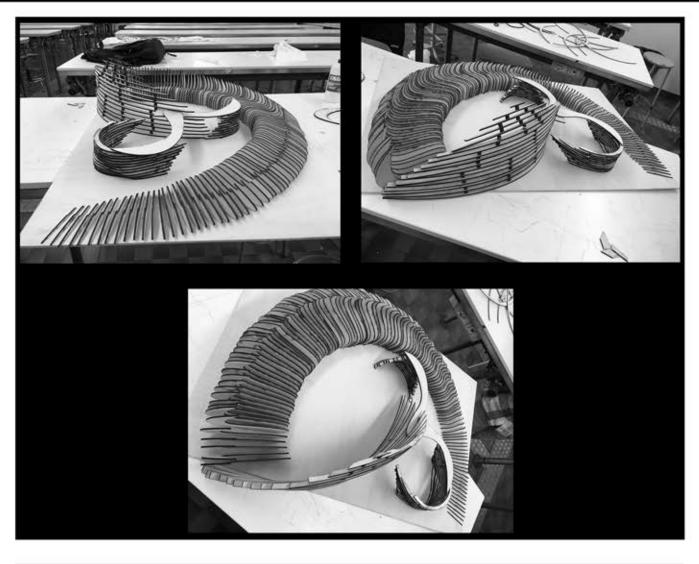


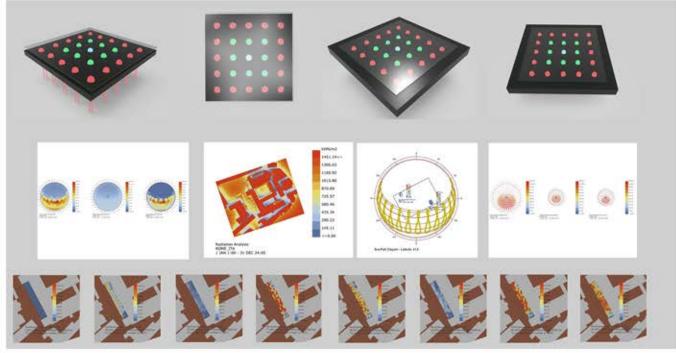






THE READING STATION

















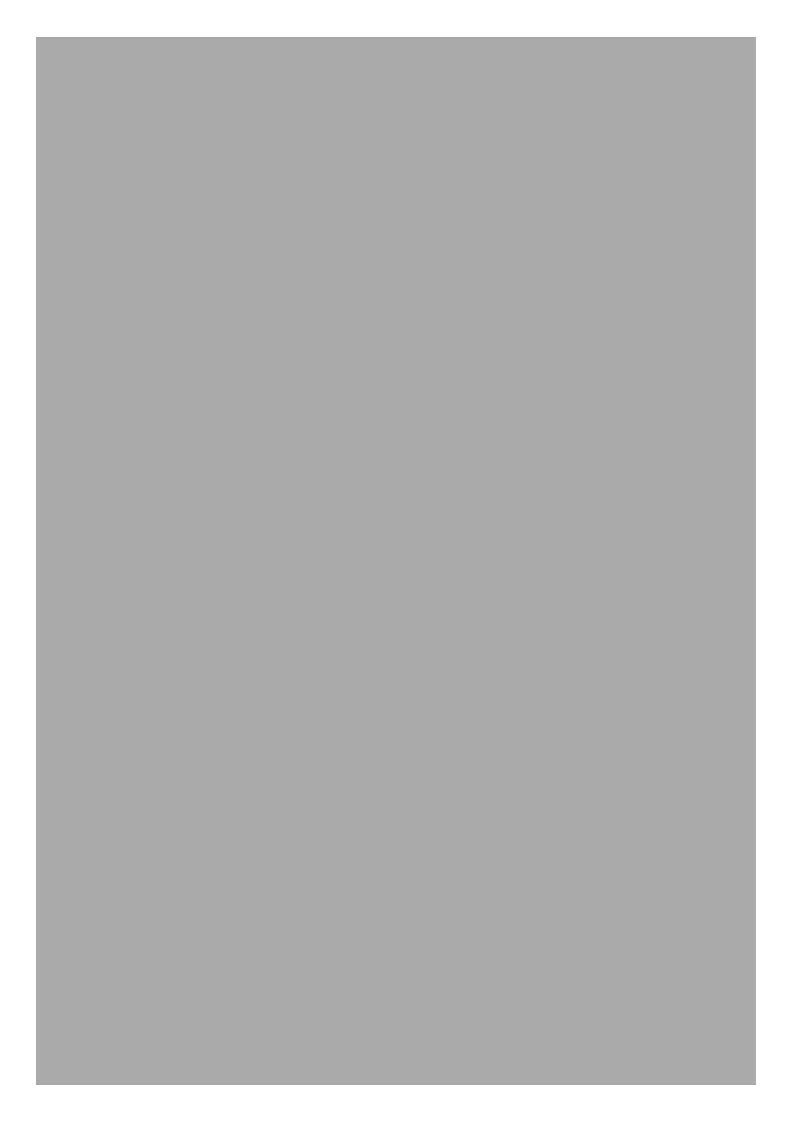


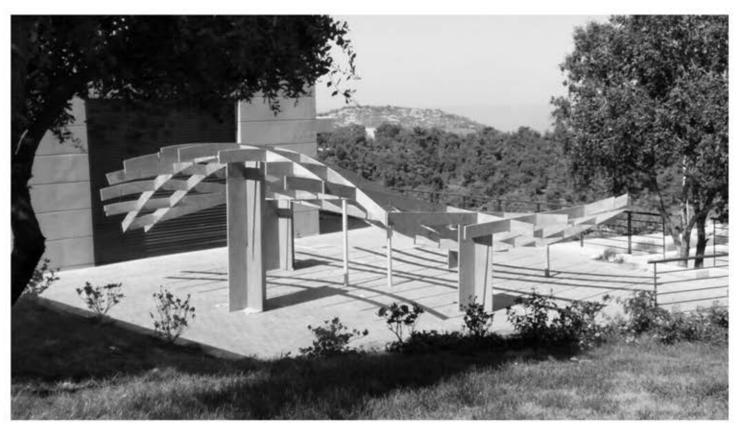






CATION 66





DOUBLE CURVED MESH FABRICATED USING WAFFLING METHOD USING CNC MACHINE.





CARVING VERTICAL UNITS USING ROBOTIC ARM TO WELD IN DIFFERENT ANGLE.

