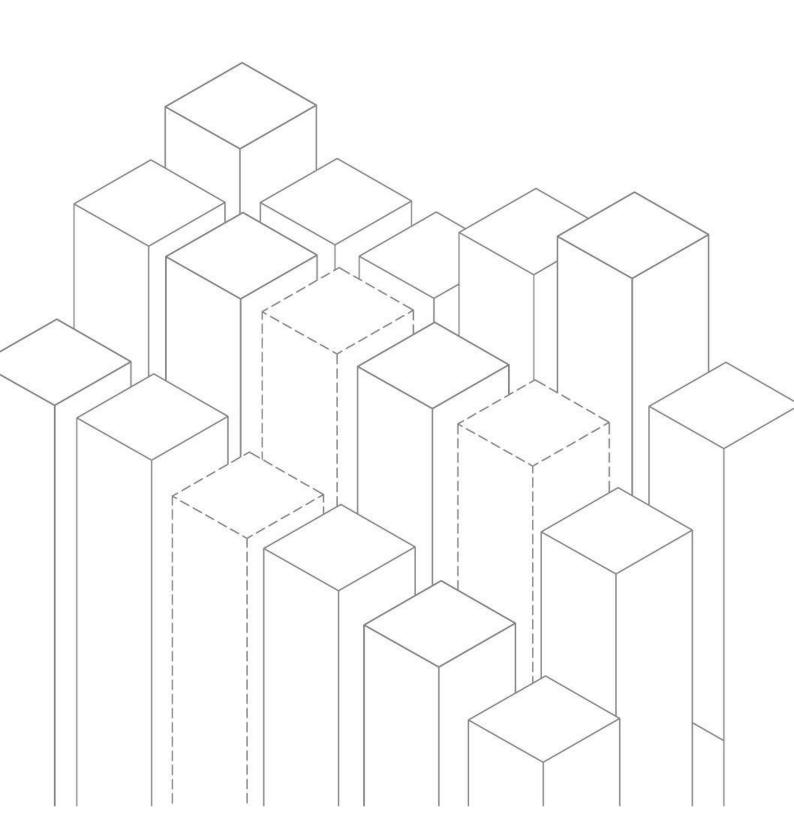
MARWAH GARIB

PORTFOLIO

UNDERGRADUATE WORK 2011- 2015



M A R W A H G A R I B

Mobile +971503190531 e-mail marwah.garib@hotmail.com

education

Bachelor Project

University of Stuttgart, Faculty of Architecture and Urban Planning, Urban Design
Institute

Bachelor of Architecture
Faculty of Architecture and Urban Planning,
German University in Cairo. (Cumulative
GPA: 1.55, German system; Very Good with
Honors).

IGCSE; AS & A Level; International Community School (Abu Dhabi)

Work Experience + workshops

Urban Planner at KEO International Consultants

january 2016- current

Intern at KEO International Consultants

September- October 2015

Intern at Shehayeb CONSULTANTS

Summer 2015

Intern at OTAK International

Summer 2013

Intern at **WS ATKINS** Architecture Department, Abu Dhabi Office

Summer 2012

Learn-Move-Play Ground Summer School for creating inspiring Playgrounds in Cairo's Public Schools (Organized by the German University in Cairo Architecture Department ,The Technical University in Berlin and the German Academic Exchange Program (DAAD)).

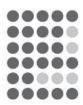
22 September- 3 October 2012

personal information

Date of Birth Nationality 04.10.1992 USA

computer skills:

AutoCAD
3Ds Max + V ray
Sketchup
Adobe Creative Suite
Grasshopper + Rhino
Microsoft Office



+ skills:

Hand drafting, Sketching, Oil Painting, Pastel Coloring, model making.

language skills:

Arabic: Native English: Fluent German: Beginner

extra-curricular activities

German University in Cairo Model United Nations: Crisis Coordinator at Security Council 2014; Delegate at Security Council 2013; Human Rights Council 2012;

Founder at German University in Cairo Architecture Association (GUCAA)

Delegate at Council of Egyptian Affairs at Cairo International Model of the Arab League 2012 in the American University in Cairo (CIMAL'12)

Vice President of International Community School Student Council 2010

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STUTTGART STÖCKACH

Bachelor Project | Spring 2014 University of Stuttgart

The district of Stöckach in western Stuttgart, Germany is a parkway district that is currently facing severe environmental problems such as noise pollution and poor air quality as well as inefficient and energyconsuming building structures. The site has a privileged location next to a spacious inner-city parkland (Schlossgarten). There are currently two bridges crossing over the highway (Cannstatter Straße) connecting the site with the park, and two more are proposed. All connections are wide bridges with vegetation to make the crossing a more pleasant experience. The connections are extended into the site with the aim of creating green fingers into the city fabric. The site is divided into three zones: Zone A, which is along the highway, has mainly offices acting as noise barrier; Zone C, which is along Neckarstraße, buildings in this zone would remain with mixed use functions; and Zone B, which is sandwiched between the two previous zones, has mainly residential units. Also, the existing school in Stöckach Square, which lies in Zone C, is proposed to have an extension in Zone B which includes a sports hall and a playground area.





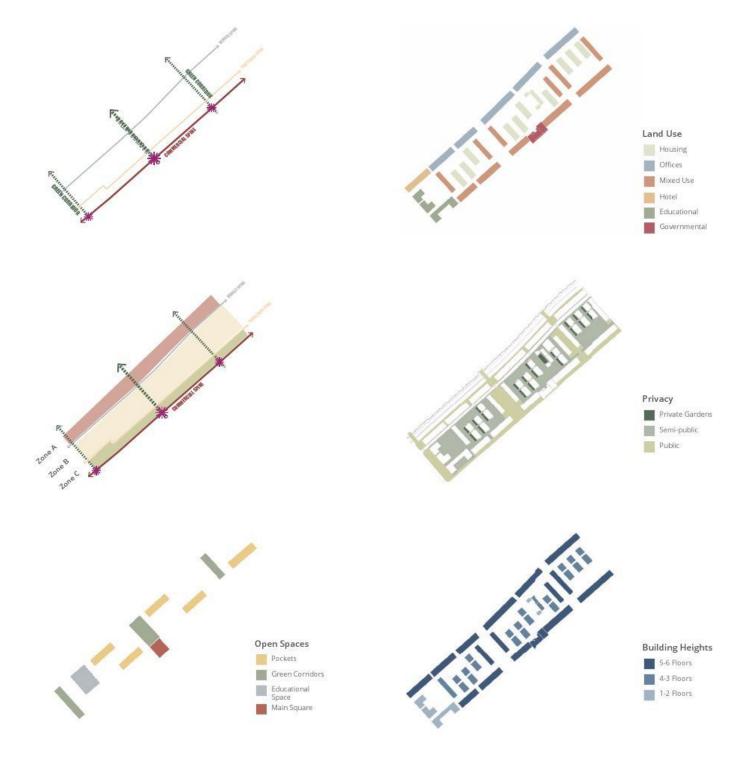




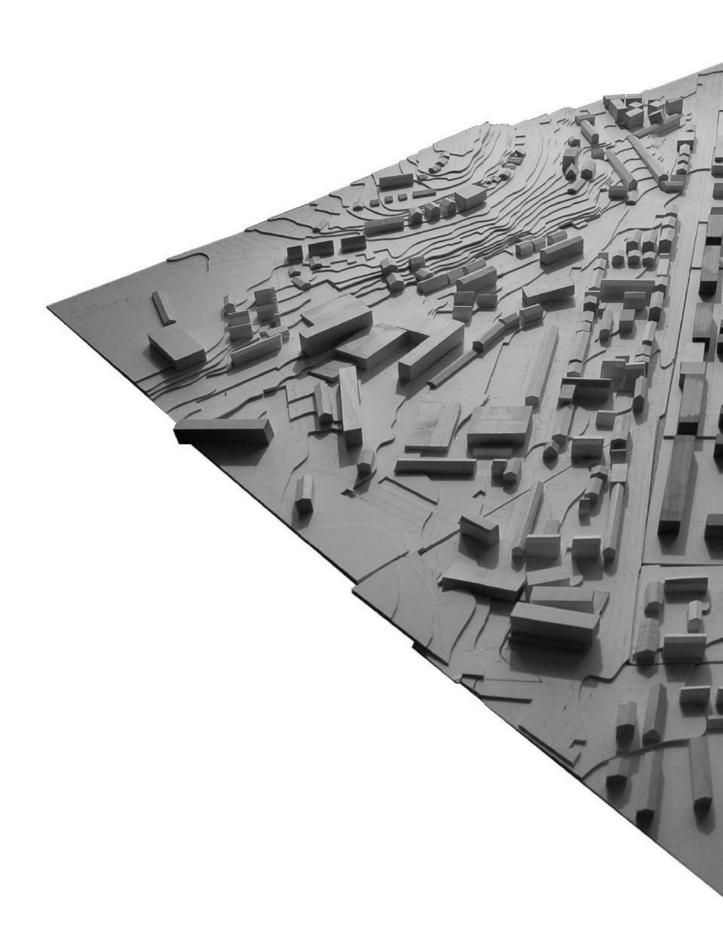


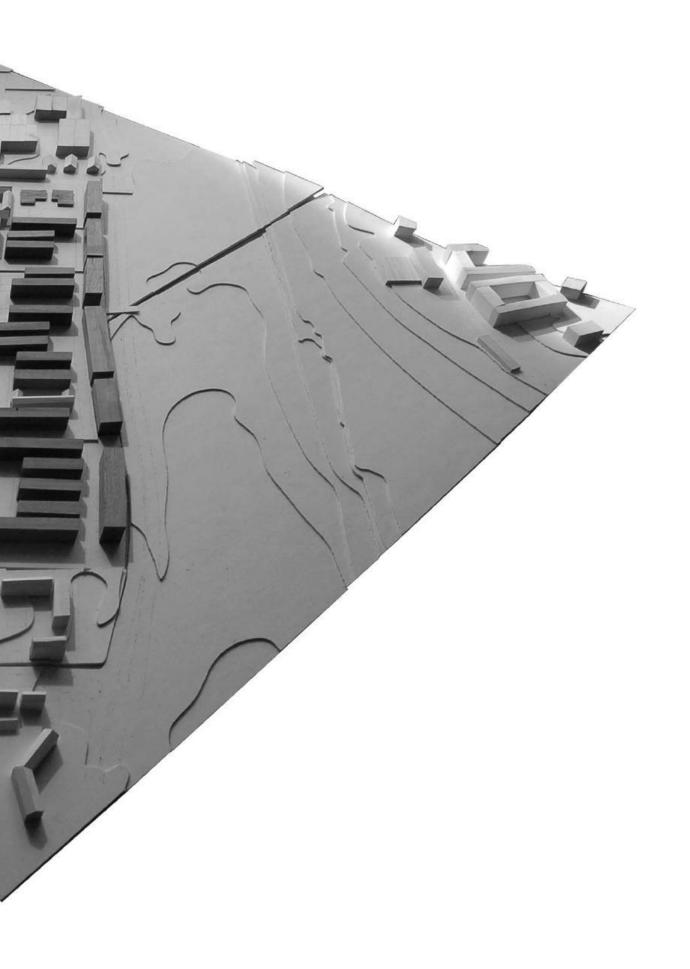


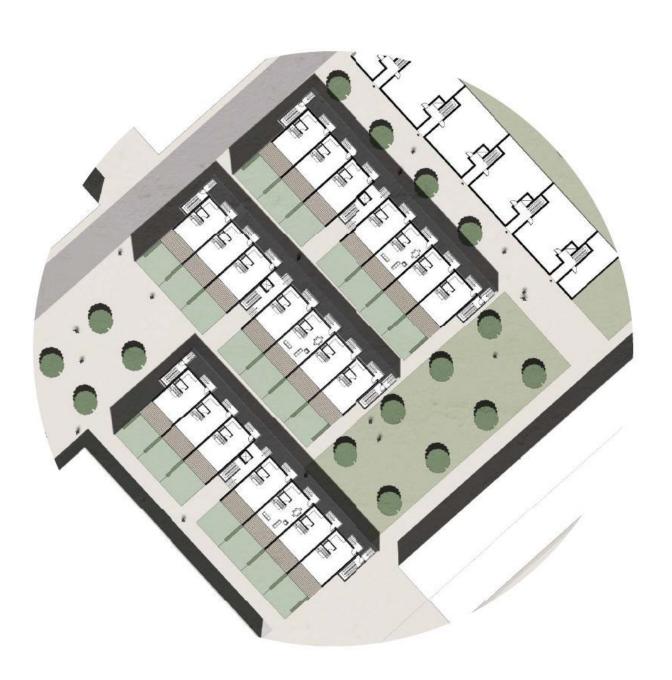


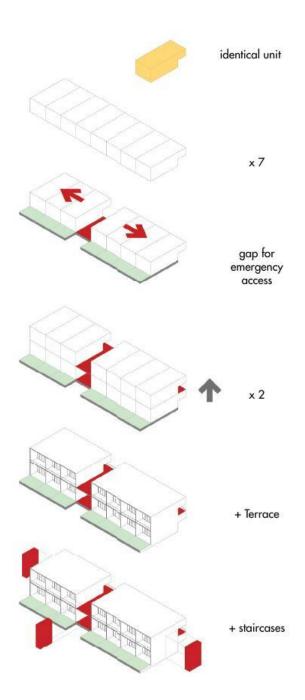








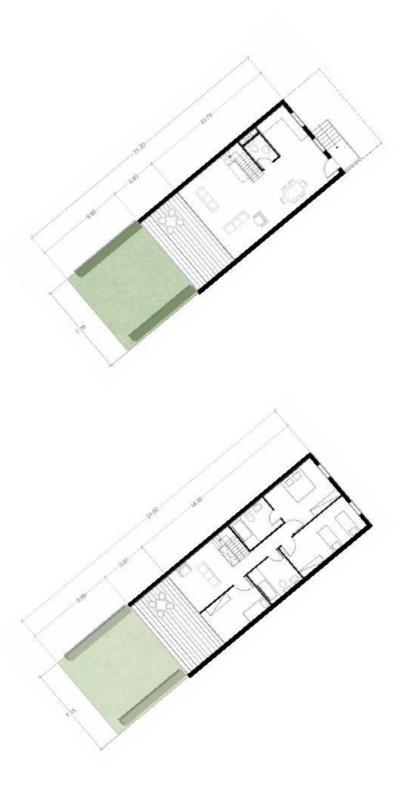




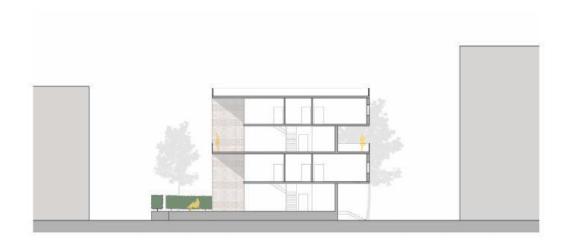
ARCHITECTURE

Buildings overlooking green corridors are designed to be apartment buildings with different units and areas to ensure a healthy social mixture. Slab buildings between the apartment buildings were designed as urban family housing. Each slab building consists of 16 duplex units with the first floor having the living room, WC, kitchen, a dining area, and a terrace and the upper floor having three rooms and a bathroom. The buildings are four stories high, i.e. two units stacked above each other. The lower unit has a terrace leading to a private backyard. Both the floor slab and the backyard are raised 1.00 m above the ground to create privacy for the inhabitants from by-passers on the sidewalk.

Whereas the upper units are accessible by three staircases (two at the ends and one in the middle) which leads to a long steel gallery leading to the units' doors.

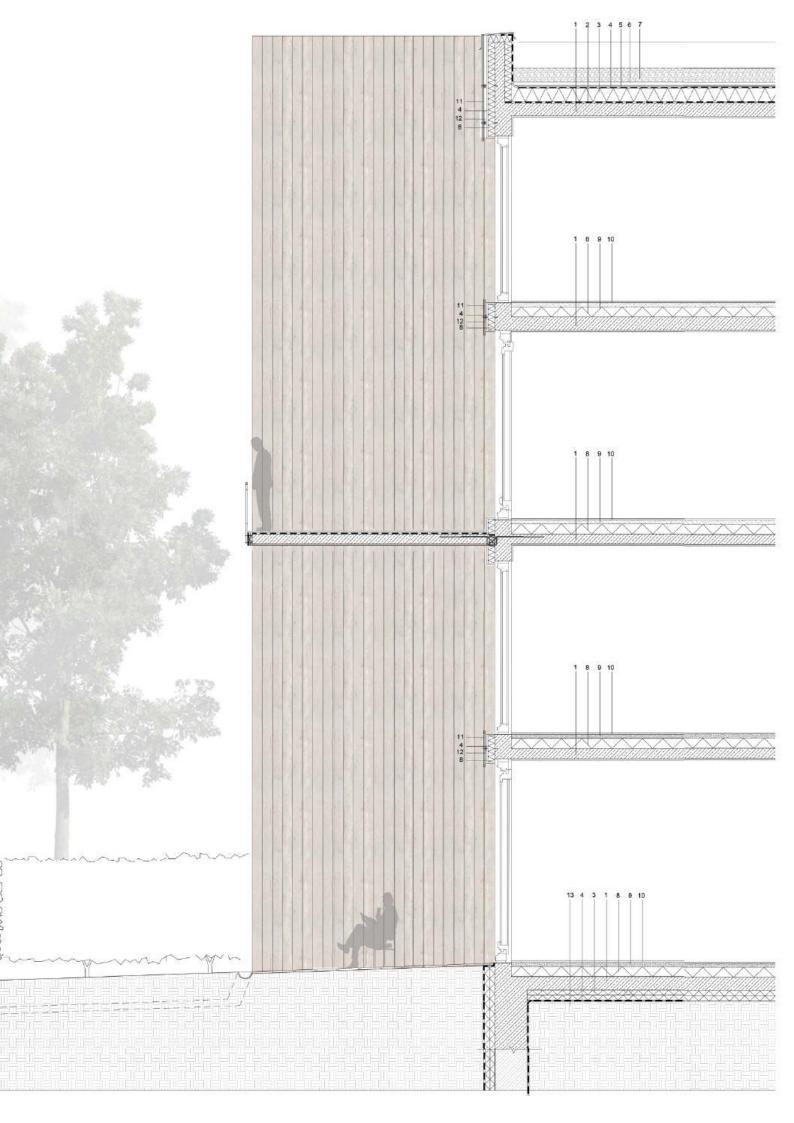


Single unit floor plans Ground Floor First Floor





1 CONCRETE SLAB
2 WATERPROOF MEMBERAVE
3 THEMAL INSULATION
4 VAPOR BARRIER
5 ROOT BARRIER
6 DRAINAGE LAYER
7 GREEN ROOF SYSTEM
8 SOUND INSULATION
9 MORTAR SCREED
10 FLOORING FINISH
11 CONCRETE PANEL
12 VENTILATION GAP
13 COMPACT SOIL



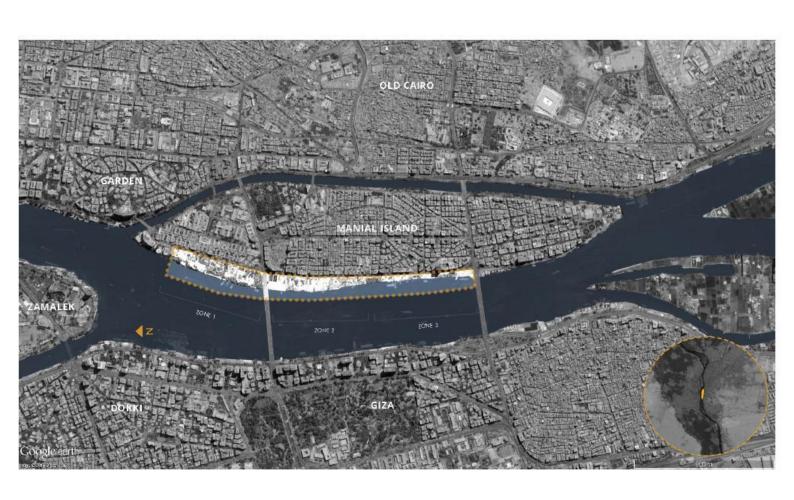
MANIAL

In collaboration with Marwa Adel and Sandi Boulos | Spring 2015

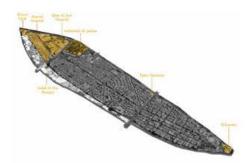
The project is located in a section of the western waterfront of Al Manial, a Nile Island in the center of Cairo famous for its hospitals and medical schools. The 60 students of the design studio collaborated to create one masterplan proposal dividing the site into Zone 1: a business and science district, Zone 2: concerned with community development and promoting culture, and Zone 3: which has different facilities such as hotels and an art school.

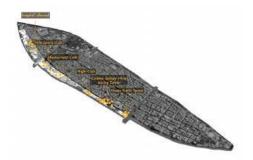
The zones are divided into plots with each 3 students designing a single plot. My group designed Plot 2 of Zone 1. Our proposal is a science center and museum which is integrated with exhibition halls, shops and cafes that exploit the Nile view. The Science Center is reached through a continuous public space on the roof that takes visitors to a panoramic Nile experience. Trees and seating elements are integrated in the design to provide shade and comfort. The building, although having separate entrances for the different functions, appears to come out of the ground and reaching out for the Nile.

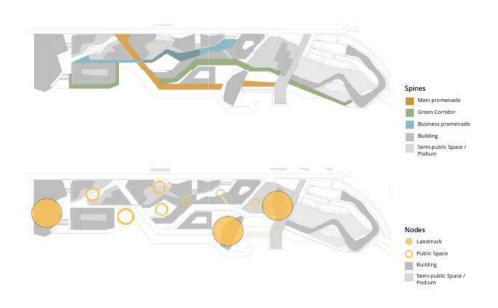
I took part in the design phase of both the masterplan and the plot scale as well as created visualizations, concept diagrams and renderings



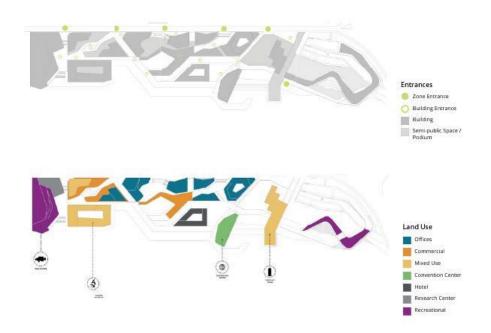






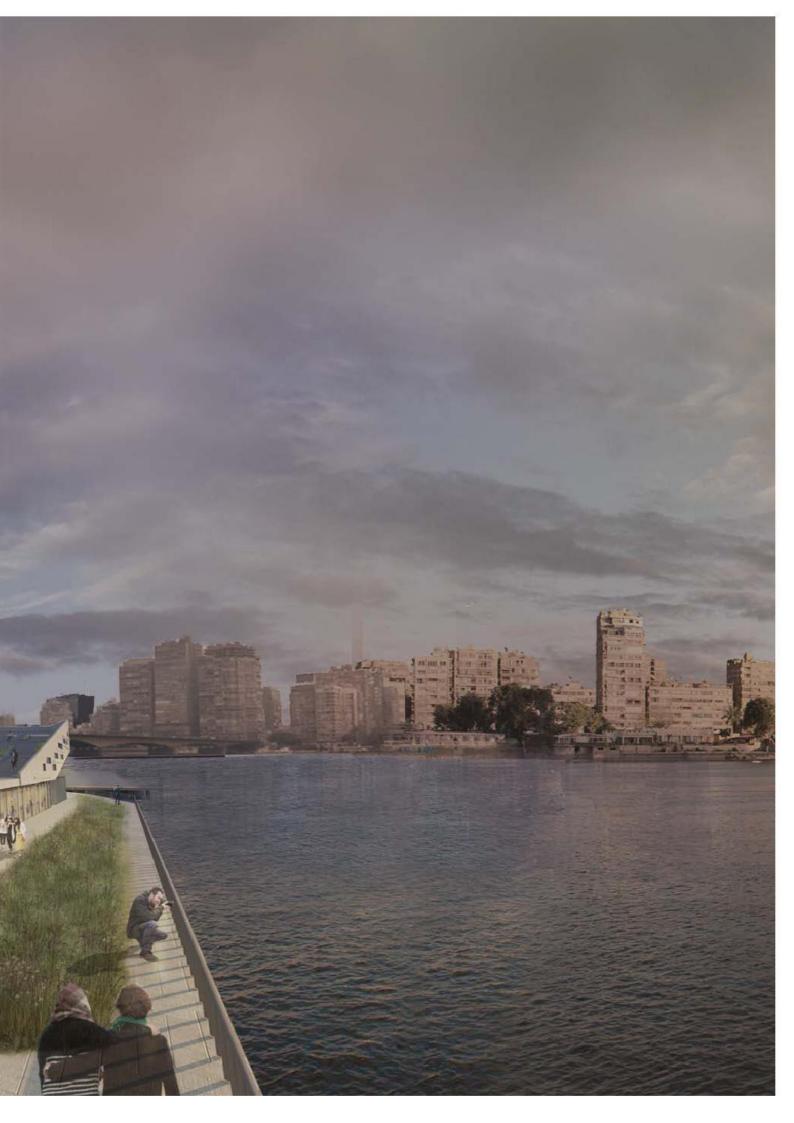


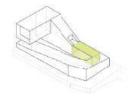


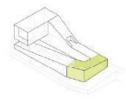


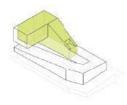














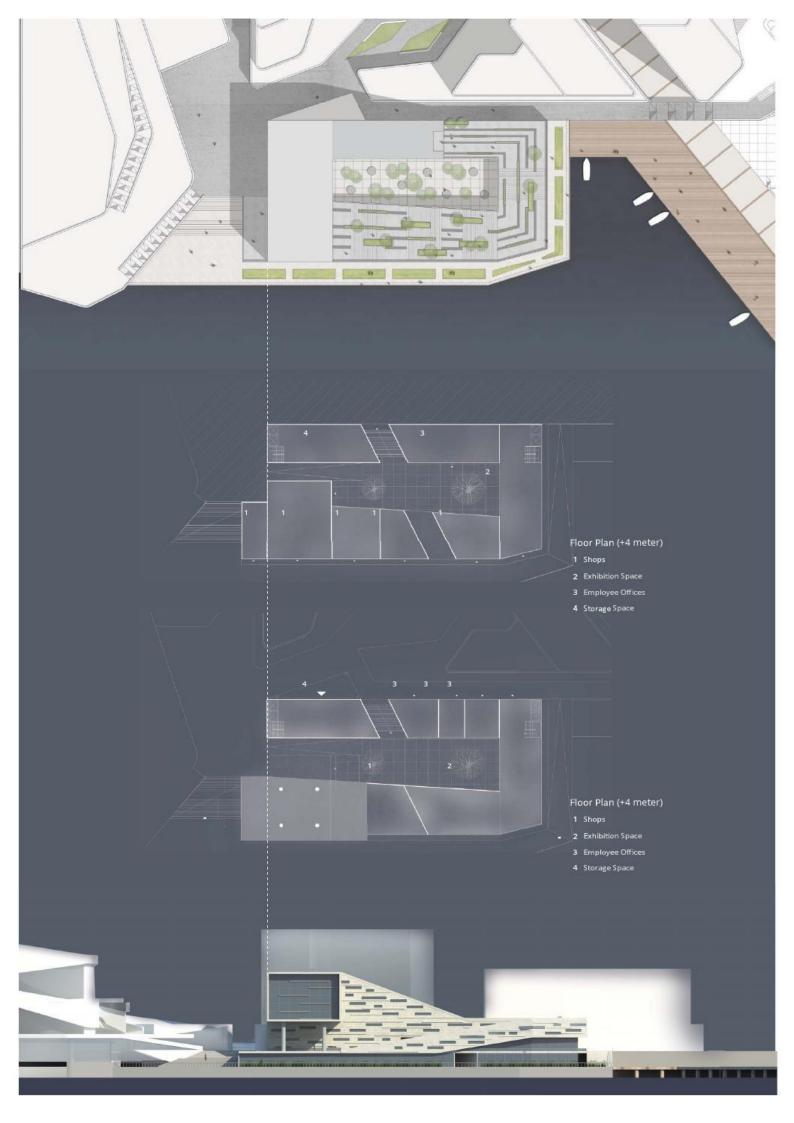
offices

exhibition space

science museum

public space





CHILDREN'S MUSEUM

The Egyptian Museum of Antiquties Spring 2012

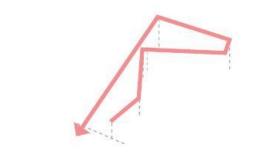
A new building of the Egyptian Museum of Antiquities complex in Tahrir Square, Downtown Cairo. The new building is a children's Museum.

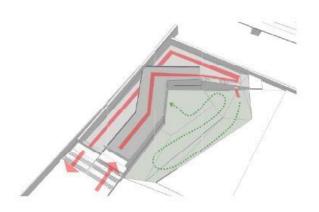
The concept was to create a loop circulation through the different themes of the museum. The building appears to come out of the ground pointing south to the entrance of the site.

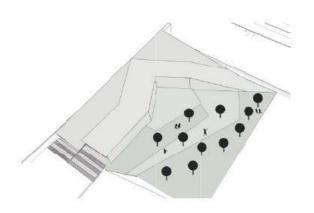
Guests would start their journey by climbing monumental staircase which acts as a gathering area. They are then greeted at a reception area into the top floor of the continuous space of the museum. The first theme is "The House" which introduces children to ancient Egyptian housing, furniture, food and everyday life. As the guests descend through a staircase, there is an access into a stepped garden which divides the main museum from the proposed children's museum. This outdoor space museum aims to introduce the children to ancient Egyptian farming, papyrus and writing as well as merchandise and trade. The stepped garden descends back to the lowest level of the museum. The themes in this level are mainly about ancient Egyptian royalty, religion and afterlife.

The final station is the restaurant and the rest rooms which have access to the garden.



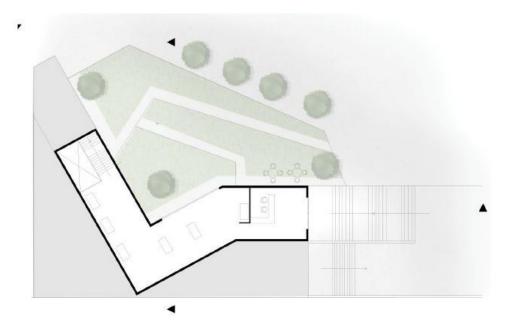






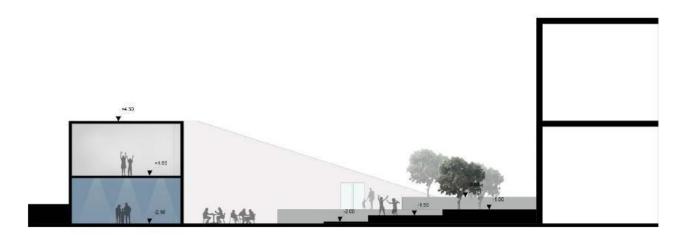




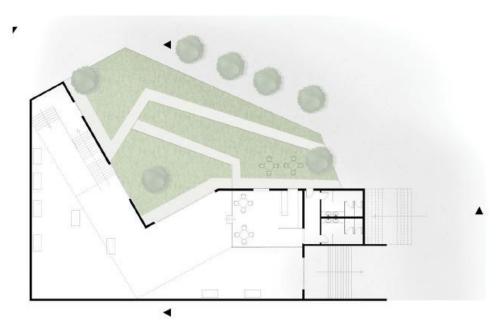


First Floor plan 1:200

First Floor Plan

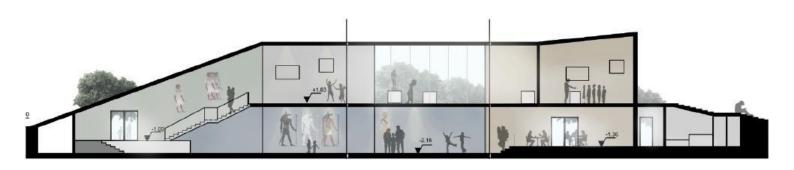


Cross Section



Ground Floor plan 1:200

Ground Floor Plan



Longitudional Section

Y O U N G C A I R O

In collaboration with karim Mandoury and Ahmed Ades | Fall 2014

This project aimed to investigate urban spaces created by the Ring Road in Greater Cairo. The Road aim to connect the city's different districts fails on the neighbourhood level by creating a barrier with lost dark, unsafe and unclean spaces underneath its bridges. The site investigated was underneath the southern section of the Ring Road dividing an informal low-income neighbourhood (Torab Al Yahoud) and a planned middle-income neighbourhood (Saqr Quraish).

The project followed an organized methodology to reach design solutions. First, locals from both areas on the side of the bridge were interviewed to understand local complaints and needs. Then, a photo mapping of the area was conducted. In the mapping my group was particularly interested in existing textures on site. This led us to classify and map the different textures on the site. Then we studied the relation between textures, people and the urban context.

My role in the group project started from the early steps of analysis, to studying textures and their relation with people and the urban context. Also, I worked on the design, visualization, model massing and renderings.







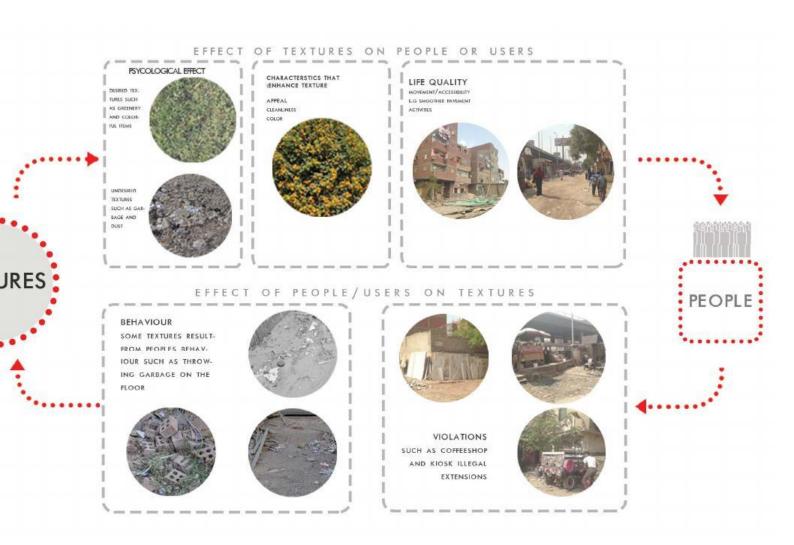












User Portraits

صقر قریش- SAKR QURAISH





CONSTRUCTION WORKER SPENDS REE TIME IN CORRESHOP





CONSTRUCTION WORKER SPENDS FREE TIME AT HOME

SUGGESSTIONS





PLAYING/ENTERTAINMENT AREAS MORE CAR WORKSHOPS

SUGGESSTIONS





PUBLIC SPACE PUBLIC LIBRARY









تُرب اليهود - IORAB EL YAHOUD

SUGGESSTIONS







PLAYING/OPEN AREAS SPORTS RELDS

SUGGESSTIONS





MORE CAR WORKSHOPS



AMR, 11





STUDENT SPENDS FREE TIME PLAYING POOTBALL







SPENDS REE TIME IN CORRESHOP

COMBINED SUGGESSTIONS









GREEN SPACE

GENERAL NEEDS IN AREA

MORE GENERAL NEEDS INCLUDE IMPROVEMENT OF EXISTING PUBLIC SPACES, ENTERTAINMENT AND CULTURAL FACILITIES AS WELL AS CAR REPAIR WORKSHOPS TO INCREASE JOB OPPORTUNITIES IN THE AREA, THE RESIDENTS ALSO EXPRESSED THEIR WORRY OVER THE SECURITY SITUATION IN THE AREA AND THEIR DESIRE TO HAVE ACCESS TO A GREEN PUBLIC

Texture Catalogue





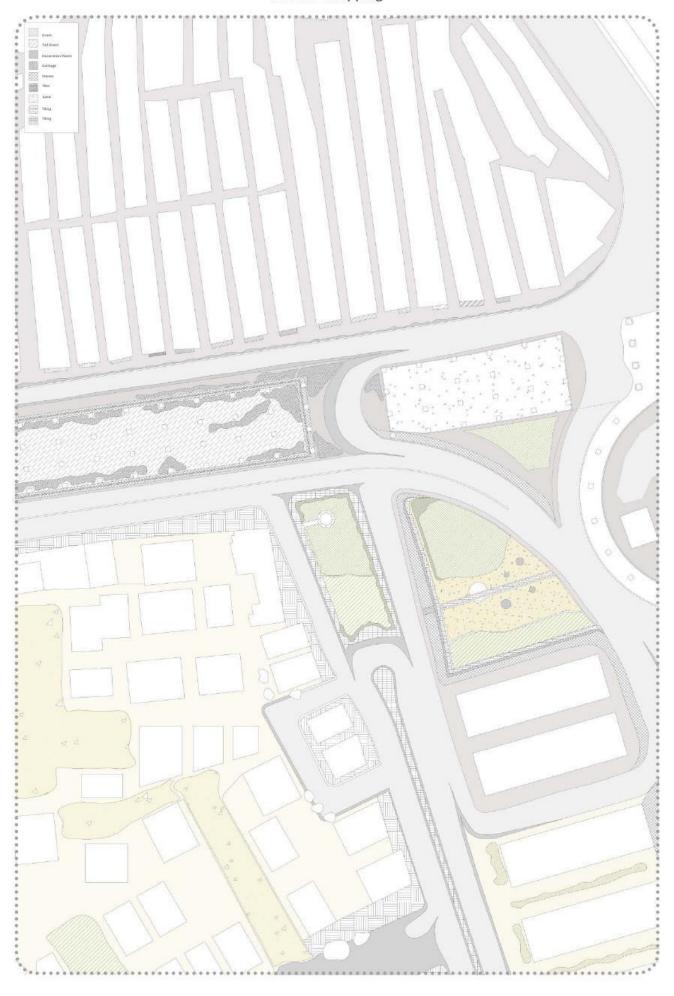






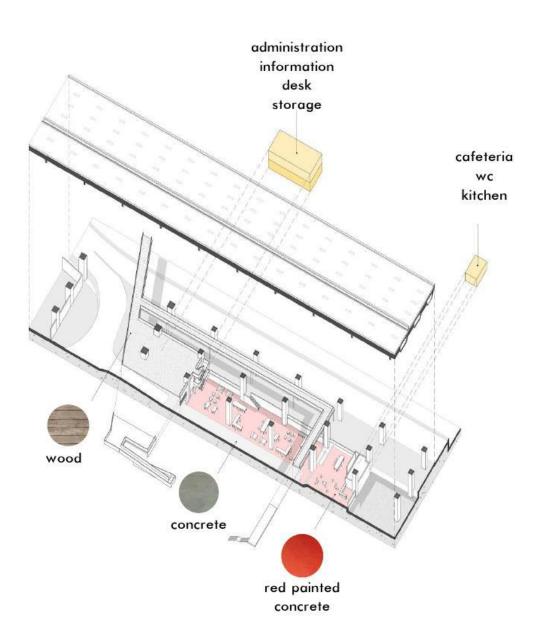


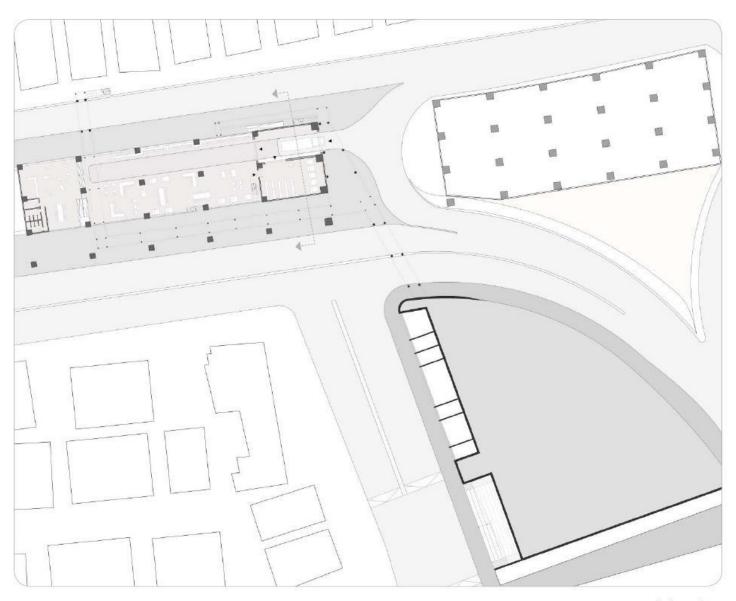




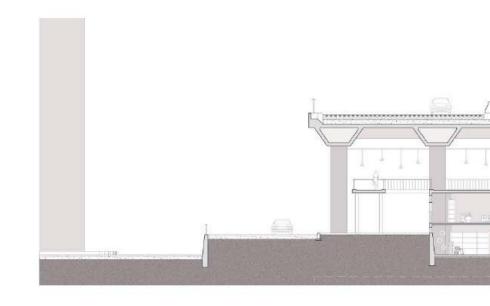


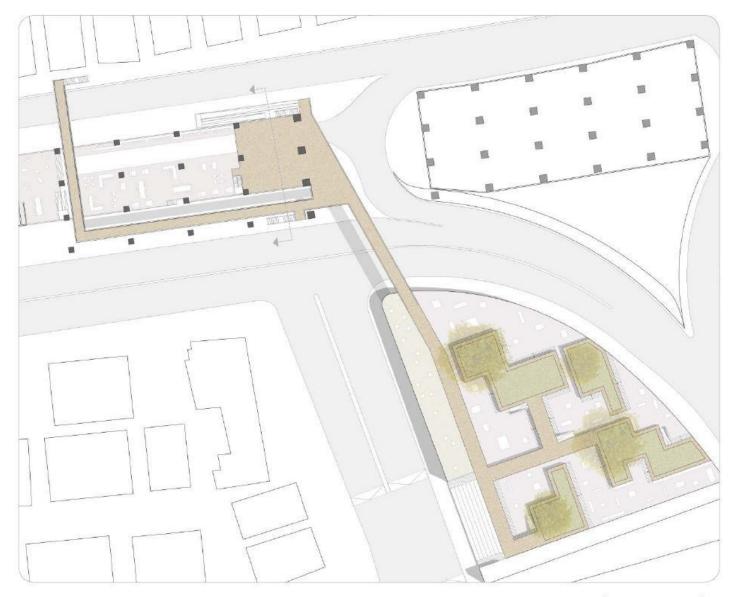




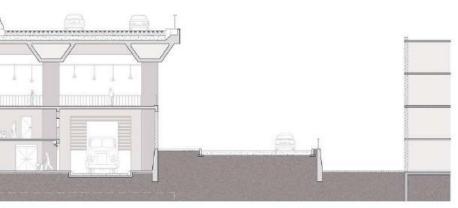


Ground Floor plan





First Floor (+4 meters) plan



Cross Section





E X P O PARA-MODULAR

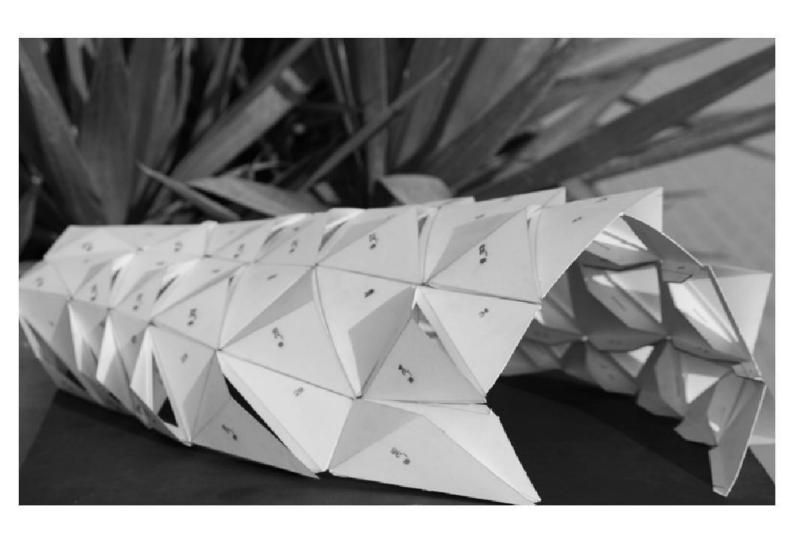
Group of Eight Students | Spring 2013

Located in the German University in Cairo Industrial Park, this pavilion is considered an iconic image to represents the Architecture and Urban Planning Department in the University. The Pavilion, a 15 sq meter structure, is used for student and staff meetings, social events, discussions and exhibitions. The design considered the three main subsystems of any building: Form, Structure and Interface, in specific Light penetration.

The Design Strategy is Parametric modular design and the Surface based strategy was used.

Material used : Canson 400 g

No. of Panels: 36 x 2 Fabrication time: 2 hours Assembly time: 2 hours



Light_Variation_Defenition Extracting the polygon corners of the first set of trionglies and calculating the distracts with the selected attender neith. The resulting tappered, offsetted, and the planear many les. THE PARTY NAMED IN Extracting the lot length of both the solid and offseted triongles and setting series from 1 to 35 to destable I with certain large and finally consecting them to the object take to both them. Pavilion_Defenition -(18) Region difference to draw a plenner surface between the dist and the offseted triangles Subdividing a selected surface into triangular pannols. Process_of_unrolling_and_selecting Collecting the 2 drawn (d pt) surfaces, region difference area, and the other set of triangular pannels into one geometry Using the vertices from the exploded form to down polytimes and offesting them leveled. 2- Toogle to TRUE Sent out 3- Turn teegle to FALSE Series (model #40 series (Management Management Managem

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Unfolding all sets of triangles ris the VII script according to its ID in Rhino at the origin.

Needing_and_Taging

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U R B A N CONTOUR

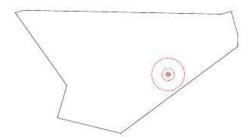
In collaboration with Yomna El Gendy Fall 2011

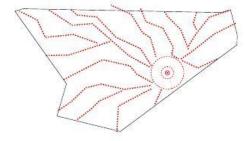
The project, an assignment of a 3d Modelling course, was to create a contour model on a assigned base of MDF with a stamp that represented a focal point.

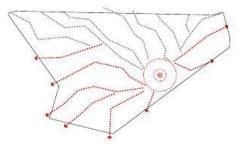
My partner and I were inspired by the edgy nature of the given piece of wood. From the edgy lines, we continued the contour with straight edges such as that of broken glass.

The focal point represented the point in which the force was applied causing the crash of glass. This point has the lowest height which increases as the pieces reach closer to the edges. Also, we had to coordinate with other groups of the surrounding bases regarding the heights of the cork pieces at the edges to create a smooth transition from one 'plot' to another. The model is made of MDF bases, cork 'walls', white cardboard as 'ceilings or coverings', with a layer of newspaper and white paint on top of the cardboard to create an additional layer of abstraction.





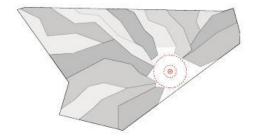




Plot with focus point

edged pattern representing the breaking of glass with force exerted in the focual point.

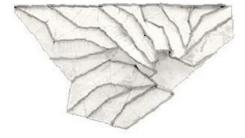
Red lines continuing to adjacing plots.



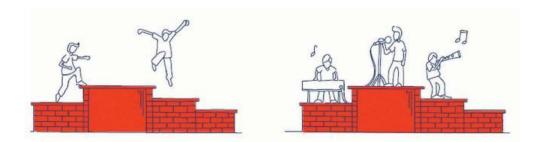
Heights assigned to different areas: The darker shade represents a greater height. All areas increase in height as they approach the focual point.



Cork 'walls' added with the different heights.



cardboard triangulated pieces cover the walls. Newspaper layer added on top, then a layer of transparent white paint to add further abstraction.



GROUND

Design-build workshop organized by the German University in Cairo, Technical University Berlin, German Academic Exchange Program DAAD| Fall 2012

During the twelve intense days of the workshop eleven students from Germany and twenty-five from Egypt worked together with a team of professors and experts from different fields (pedagogy, architecture, urban planning, landscape, and graphic design) to realize a new playing landscape in the courtyards of two public primary schools in Cairo, Egypt. The aim of the summer school was to improve the quality of the schools' outdoor spaces by designing furniture-for playing, moving, sitting, and providing shade—out of local materials, adapted to the individual situation of each school. Due to the small scale of the elements, they were designed and directly implemented by the students and team during the summer school. A participatory methodology was adopted which involved the children and teachers in the entire creative process until the realization. This way, it was possible to determine their priorities, needs, and desires, and to build up a strong identification between the children and the results, creating a sense of responsibility for the future maintenance and-more generally—for the common acceptance of the courtyards. Furthermore, the summer school gave us the students the possibility of actually implementing our own designs, dealing with the requests of the clients, the specificity of context, and materials.

