



condominium STREET FU(rni)TURE!

MEKELLE UNIVERSITY AND CIGLERMARANI UNLIMITED

MU AND CMU

TOGETHER

WORKSHOP FOR ARCHI-STUDENTS

RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT



11/2014

condominium STREET FU(rni)TURE!

MEKELLE UNIVERSITY AND CIGLERMARANI UNLIMITED

MU AND CMU

TOGETHER

WORKSHOP FOR ARCHI-STUDENTS

RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

CIGLER | MARANI UNLIMITED

EiT-M
Ethiopian Institute of Technology – Mekelle
የኢትዮጵያ ቴክኖሎጂ ሲስተም ሲስተም - ሞክሮ
Mekelle University
ሞክሮ ዩኒቨርሲቲ

WORKSHOP FOR ARCHITECT STUDENTS

The workshop “The Condominium Street Furniture” is continuation of successful workshop collaboration between The Ethiopian Institute of Technology in Mekelle, Department of Architecture and Urban Planning and architectural studio Cigler Marani Architects (exactly its division for sustainable architecture within human commitment Cigler Marani Unlimited).

The collaboration started in 2013 and since that time we have merged our skills and capacities to organise student workshops regularly. Our goal is to enable students think out of the box, find alternatives and be comfortable with design in real conditions.

The workshop was organised at the occasion of “International Conference on Affordable Housing, Mekelle 2014”. The goal of the workshop was a design of urban equipment for public space that is more or less overlooked in context of numerous precipitously constructed condominiums...

EiT-M Ethiopian Institute of Technology – Mekelle
የኢትዮጵያ ቴክኖሎጂ ሲስተም - ሜኬሌ
Mekelle University
ሜኬሌ ዩኒቨርሲቲ

CIGLER | MARANI UNLIMITED



MEKELLE UNIVERSITY

The Ethiopian Institute of Technology in Mekelle is part of The Mekelle University that has short but complex history. The city of Mekelle is situated in northwestern Tigray region, in the region rich in cultural and architectural heritage. The Institute offers various programmes – architecture and urban planning among them.

The contact initiation intended to diversify inputs for the architectural research led with other partners. When got known each other we have decided to co-operate directly on academic level.

In 2013, there was a 7week long workshop called “Think globally, act locally” for a hundred of 4th year architecture students. The workshop aimed to find sustainable ways how to design schools and educational buildings, how to make the surroundings inspiring and motivating, how to think progressively and alternatively, how to engage community, how to contribute to the development....

In 2014, here we go.... There is a new workshop on public space focused on “forgotten” aspects of open spaces in condominiums...

CIGLER MARANI UNLIMITED

CMU is a section of Cigler Marani Architects studio founded on reflecting the sustainability of worldwide architecture and the good quality design accessibility.

The architecture is more than a design; it can solve and create problems at the same moment. The architecture of good quality is natural. If it works, it promotes the development. The inspiring environment is the background for the progress. It is not only about a physical protection and shelter. When the basic needs are fulfilled, people search for the motivation and stimulus.

It is clear that the good architecture is not about loads of money but about ideas. That is why their goals are

- ::: to assist to identify sustainable architectural principles :::
- ::: to promote new/old technologies and encourage new ideas and concepts in architectural design while respecting specificity of different communities :::
- ::: to interconnect the humanitarian, academic and private sector – multi-stakeholder partnership :::
- ::: to support architects' creative, technical and cultural talents :::

www.unlimitedcma.com

CIGLER | MARANI UNLIMITED
architecture
within human
commitment

CONTENT

introduction	15
analysis	23
workshop results	45
elsewhere	80

The following pages present the existing condominium COMMUNAL SPACES that are more or less overlooked in context of numerous precipitously constructed condominiums... Today's attention is focused on maxiscale of block composition and urban pattern or on flat dispositions. People are influenced by the common and public space design as well, or even more...

The workshop was focused on architecture in combination with product design of different objects of public equipment (benches, traffic barriers, streetlamps, traffic lights, bajaj stands, shaders, kiosks, trashbins...)

Following chapters describe the existing conditions in condominiums by different analysis approaches: comparison of open spaces in condominiums with traditional houses, identity and nature of the society.

The student designs are presented separately. In general, these are innovations that are applicable on existing design individually or in combination. The final innovation compilation depends on the condominium site, local community, local authority, focused goals and financial capacity.

The book is completed with references from abroad in last chapter.

INTRO

intro

All over the world countries face the rural exodus and increasing of urban population which results in housing problems in cities. The formation of slums is inevitable. Ethiopia itself was confronted with statements of diverse institutions that up to 80% of housing in its capital Addis Ababa were classified as slums. More or less exorbitant claims about traditional kebele houses led into an enormous challenge.

The Ethiopian Integrated Housing Development Program (EIHD) was established as a reaction to national and international claims about housing challenge. The program set an ambitious initial target of constructing 400 000 standardized and affordable condominium units between 2006 and 2010. The apartments are in multistoried blocks where communal areas are shared by inhabitants. At the occasion of “International Conference on Affordable Housing, Mekelle 2014” (10-12/11/2014) there was a workshop called “The Condominium Street Furniture” organized for students of 5th year of bachelor architecture program.

The goal of the workshop was a design of urban equipment for public space. For the public space that is abandoned. Where people face the problems of lack of safety, comfort, orientation, identity and spirit of the space.

The workshop “Condominium Street Furniture” (01-14/11/2014) was focused on architecture in combination with product design of different objects of public equipment (benches, traffic barriers, streetlamps, bajaj stands, shaders, trashbins...) in relation with social (=safety), cultural (=art and appearance), anthropological (=function and usefulness) and environmental aspects (=sustainability and material).

All over the world countries face the rural exodus and increasing of urban population which results in housing problems in cities. The formation of slums is inevitable. Ethiopia itself was confronted with statements of diverse institutions that up to 80% of housing in its capital Addis Abeba were classified as slums. More or less exorbitant claims about traditional kebele houses and daily real life led into an enormous challenge.

The Ethiopian Integrated Housing Development Programme was established as a reaction to national and international claims about housing challenge in the country. The program set an ambitious initial target of constructing 400 000 standardised and affordable condominium units between 2006 and 2010. The appartments are in multi-storied blocks where communal areas are shared by inhabitants - low and middle-icome Ethiopians.

based on “The Slogan and the Whisper”
... presentation prepared
by Dr.Antarin Chakrabarty

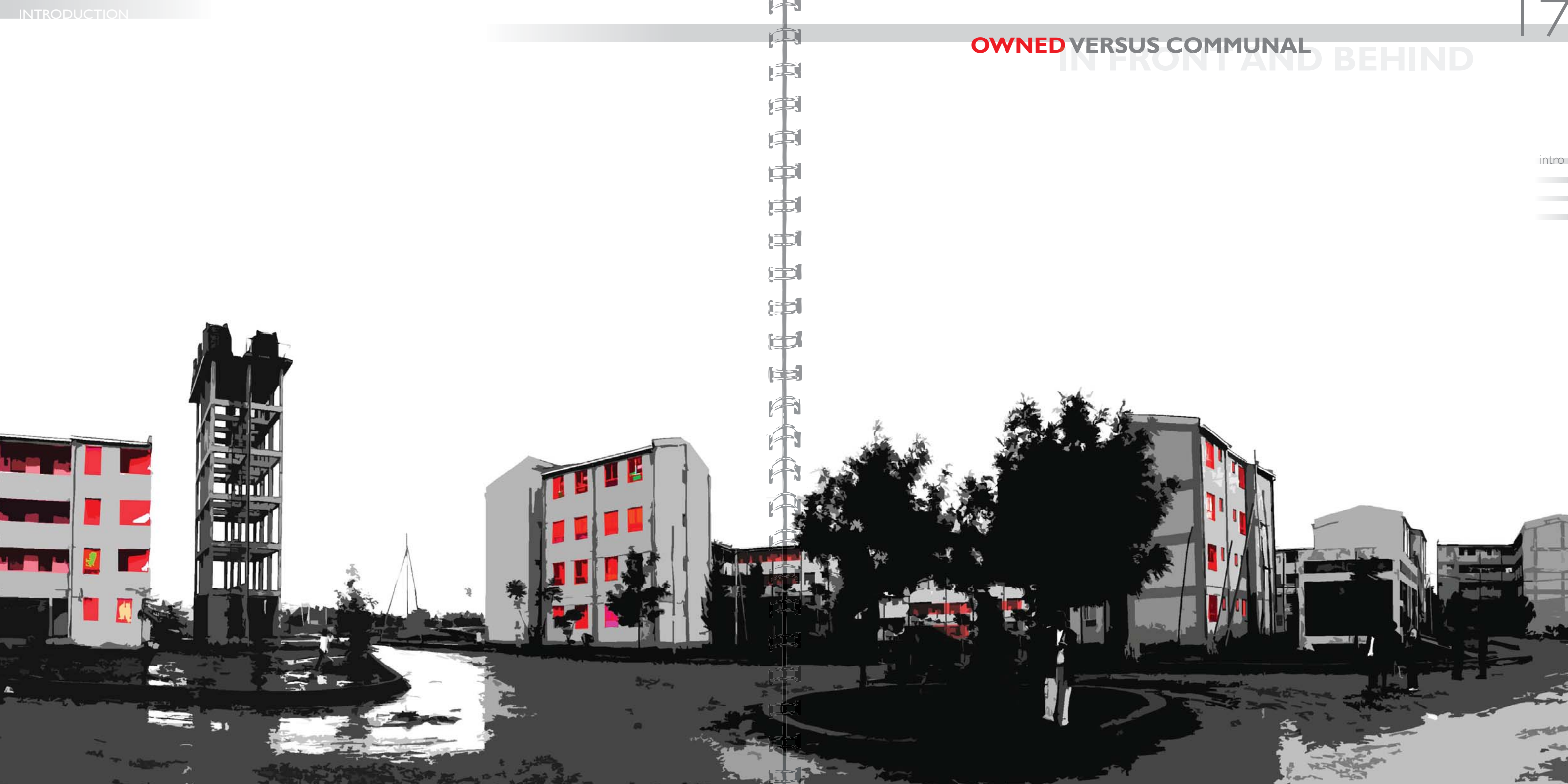
EIHD

ETHIOPIAN INTEGRATED HOUSING DEVELOPMENT PROGRAMME

- ∴ 400 000 housing **UNITS** in 4 years
- ∴ 200 000 **JOBS** in construction industry
- ∴ development of 10 000 small **ENTER-PRISES** in the construction industry
- ∴ 6 000 **HA** of serviced land for housing and other investments

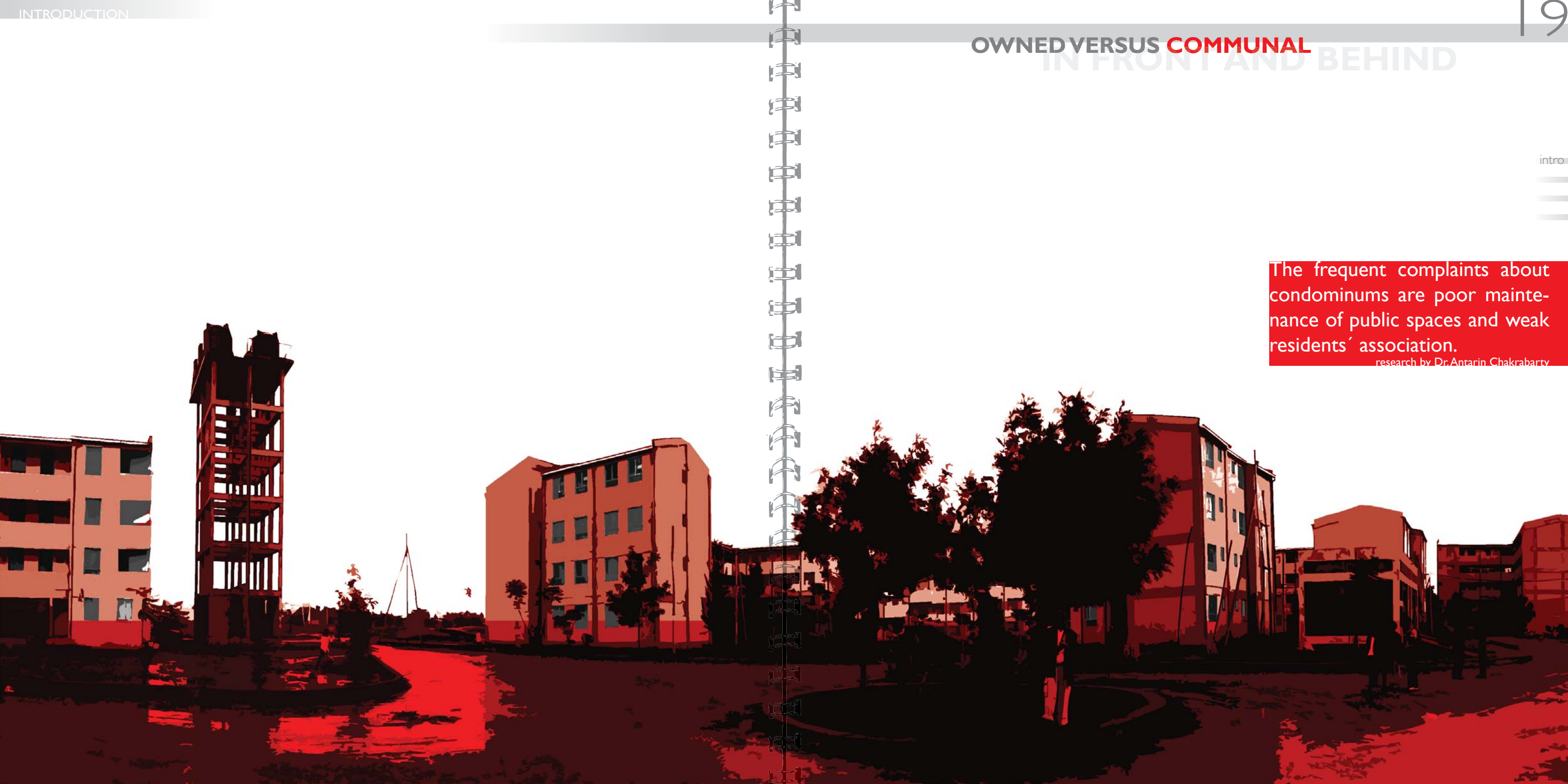


OWNED VERSUS COMMUNAL
IN FRONT AND BEHIND



intro
—
—
—

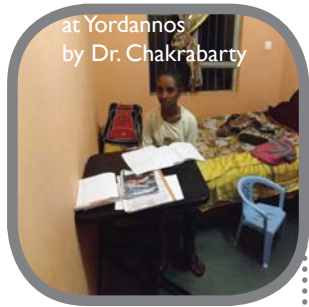
OWNED VERSUS COMMUNAL IN FRONT AND BEHIND



The frequent complaints about condominiums are poor maintenance of public spaces and weak residents' association.

research by Dr. Antarin Chakrabarty

OWNED VERSUS COMMUNAL
IN FRONT AND BEHIND

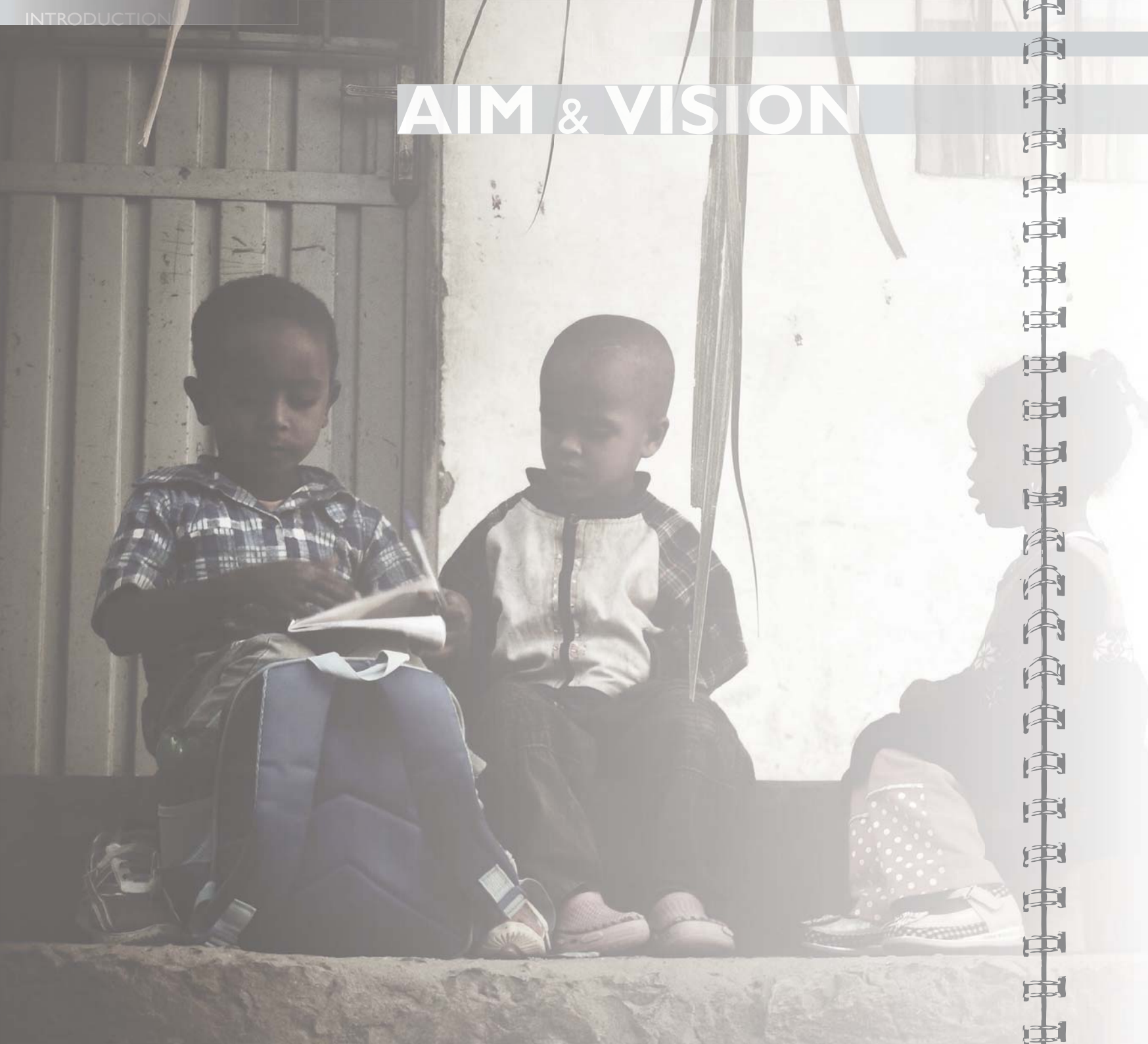


The majority of condominium inhabitants appreciate the privacy, safety and confort of their appartments. Very often, they convert their rooms according to their own comfort and taste. Various colours, dispositions and materials of diverse quality might be found behind the metal door. And the most significant is the appearance of maintenance...

But this is not valid for the common space, which is left abandoned in many cases. The common space suffers from the fact that IT IS USED BY EVERYBODY AND OWNED BY NOBODY.



AIM & VISION



the time of urgency and capacity building is over, we might take charge to think **DEEPER**, to plan **BETTER** and to create **NICER**... to think **GLOBALLY**, feel, **UNDERSTAND** and deal with **PUBLIC** spaces, with neglected and hidden spots, to respect the local conditions, **URBAN** population, to turn the condominiums into the places **OVERFLOWING** with inspiration and **MOTIVATION**, to **ATTRACT** people to care about it, to make it as an example worth following, to think **PROGRESSIVELY** and **SUSTAINABLY**, to use **LOCAL** materials, to use secondary materials - to **RECYCLE** and **REUSE**, to engage community, to make the **COMMUNITY** feel the **OWNERSHIP** of the space that is of nobody and everybody uses it, not to solve only a physical problem, but to create a contribution to the **DEVELOPMENT**... find facts about the evolution of street furniture in social contexts, and its role in development. explore how **LOW-COST MATERIALS** and tools and crafts can be used to shape public space. And how the public space shapes its users... **TO ALTERNATE, ADAPT AND IMPROVE.**

ANALYSIS

analysis

The analysis chapter describes the existing conditions in condominiums by different analysis approaches: comparison of open spaces in condominiums with traditional houses called kebele houses, description of toponomy, aesthetical proportions, main features of common spaces, identity and genius loci - spirit of the space. The chapter is concluded by the nature of the society.



ADDIS ABEBA

In Addis, the condominiums are more vibrant with lots of commercial places, lots of people hanging out at the common spaces which are well furnished and full of greenary, e. g. the site Jemo, Mebraht Hayl (Kera)

QUIHA

The periphery of the peripheric city Mekelle, in the capital city of peripheric region Tigray (northern Ethiopia), condominiums are rather cold, and they look abandoned because of the lack of common interest and energy



COMPARISON OF APPROACHES

CENTRALITY VS. PERIPHERY





SATELITE



CLOTHES

POWER
STATIONWATER
TOWERWATER
TOWERGUARD
HOUSE

AESTHETICAL PROPORTIONS

TOPOONYMY AND IDENTITY

BUILDING FACADE TREATMENT

Water tower
- it looks like it is a waste of resource and space

nonstructurant colors

TV antennas

hanging clothes

open space or land scaping

no building placement created negative spaces

the street pattern is not well designed

no landscape furniture

inadequate guard's shelter

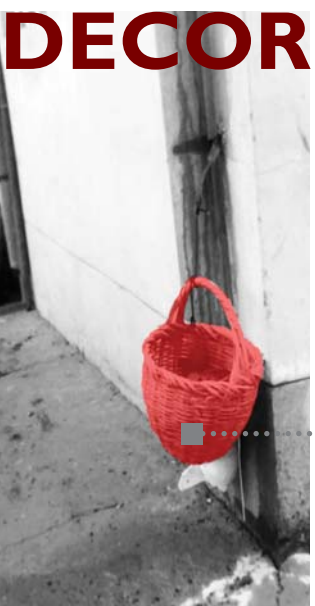
Power house

- its function is confusing, lots of people do not even know what it is besides it is in the middle disturbing the common space and visual connection

SATELITE



DECOR



FLOWERS



BEAUTIFICATION



PROPORTION



SPACE



PROPERTY



VERANDA CORRIDOR

- gardening and flowers

- infrastructure elements

- stockage

- cooking

- washing

- very narrow space with lots of activities happening there (washing and hanging clothes, playing area, meeting area, sitting area with a view to the open space, storing and stockage)

COMPARISON
“CONDO” AND TRADITION
SIZE AND SCALE

analysis

The size and scale of a single condominium block is relatively bigger than the courtyard housing typology, which may provide a better transport to work from the condominium.

Condominium housing complexes have many more rooms available, allowing more variety and leasing options.

The majority of condominium housing blocks may include a variety of amenities, including common convenience stores, common slaughter rooms, and even small grocery stores located within the building itself.

Whereas in the courtyard housing type, we only find smaller housing units available. And most often they are horizontal structures.

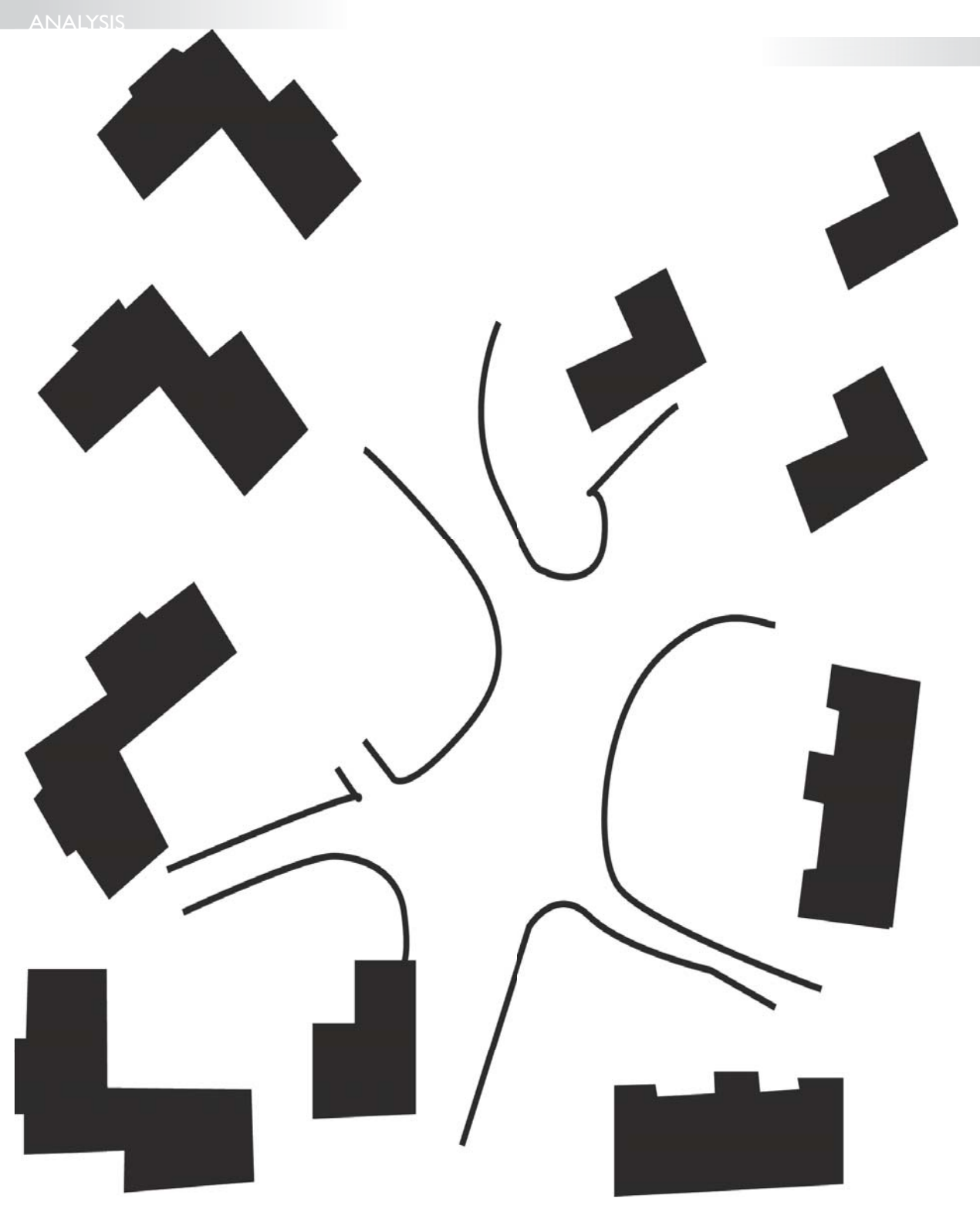
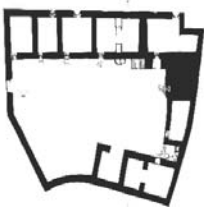


COMPARISON
“CONDO” AND TRADITION
ORGANISATION

analysis

The organization of traditional courtyard housing is a bit more inclusive of the rooms around it. And it is emphasized towards the central common area.

Unlike traditional courtyard houses in Mekelle the big condominium housing projects are not organized in way they compliment the space between block. Most of the blocks are organized randomly with no basic principle of organization.





COMPARISON “CONDO” AND TRADITION MATERIAL

Traditional courtyard houses are small in scale. All house are G+0 horizontal houses constructed by stone which is local material in Mekelle.

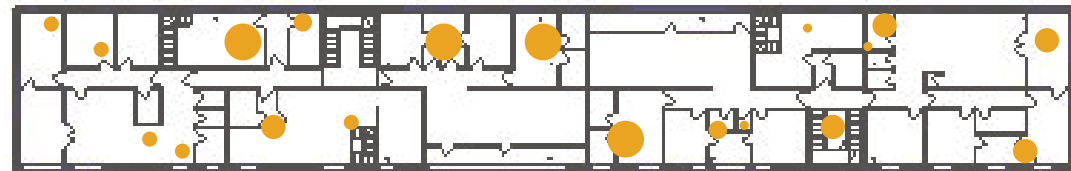
But the big condominiums that exist now in Mekelle are constructed with HCB which is not local and economic material. This shows us that the currently implemented big condominiums are less friendly to the context of the site.





COMPARISON
“CONDO” AND TRADITION
SOCIAL LIFE

analysis



SOCIAL LIFE
It's very known that the Ethiopians have their own way of socializing with their neighbours. But, with the rise of structures like the condominium housing, these rich cultures of socializing with neighbours have changed the focus of the people to their private lives.
In the traditional courtyard housing the house are compacted and have common and mid space they share. This central common space gives a chance to spend times together and to have common activities, like having coffees together.



COMPARISON “CONDO” AND TRADITION SAFETY

analysis

Since people living in traditional Mekelle courtyard house are few in number everyone know each other which make the occupants to feel safe. An intruder can be identified very easily. No need for fencing within the compound unlike people living in big condominiums. Kids play on the courtyard that is found in the mid of the compound close to their houses.

But people living in big condominiums in Mekelle face safety problem. Since number of people living in one block is large in number with different ways of living and background. Therefore, people don't feel safe and try to create means of protection by constructing fence on their verandas and balconies As shown on pictures.



a guy living in the fourth floor have took his bicycle up to his floor, because he did not feel safe to park on the ground floor



COMPARISON “CONDO” AND TRADITION BELONGINGNESS

analysis



Perhaps, belongigness has a strong impact in the livability of any building structure.

People living in the traditional courtyard housing are more devoted to their common space and their lifes are divergent towards the central common area.

However this does not happen in the case of big condominium housings. Most of the residents have very private living styles and are less devoted to their common spaces.



RESULTS

results

Four groups of students from 5th and 6th year of study of the architecture program have designed several identities for various objects of public equipment.

THE BEAUTY IS IN DETAILS

Mu-uz WELDU
muuz2010@yahoo.com
Genet TSEGAY
gtgenet@gmail.com
Germachew DESALEGN
germades@gmail.com
Makda DIRAR
makdirar@gmail.com
Terusaw SOLOMON
terusawsolomon@yahoo.com
Abduselam ADEMNUUR
aselamadem12@gmail.com

NO BALCONY? DEAD FACADE?

DAILY REVIVING OF FACADE



USING THE SPACE BETWEEN BUILDING

Most of the buildings in the site are in close organisation with each other with no function shared in common even the open space...

The intention of this design is to provide space for hanging clothes on the rope in between buildings...

A PLACE TO HANG (DRY) CLOTHES

A place to hang clothes for drying is one of the immediate cases of the site. There is also a dead back wall in almost all the condominium blocks and this gave inspiration of using the back wall as a main place for hanging clothes. By using a rail of bamboo or any other solid material like wood or metal tubes coming out from the room in the back wall, there is a place to hang and dry clothes.



VERTICAL GARDENS

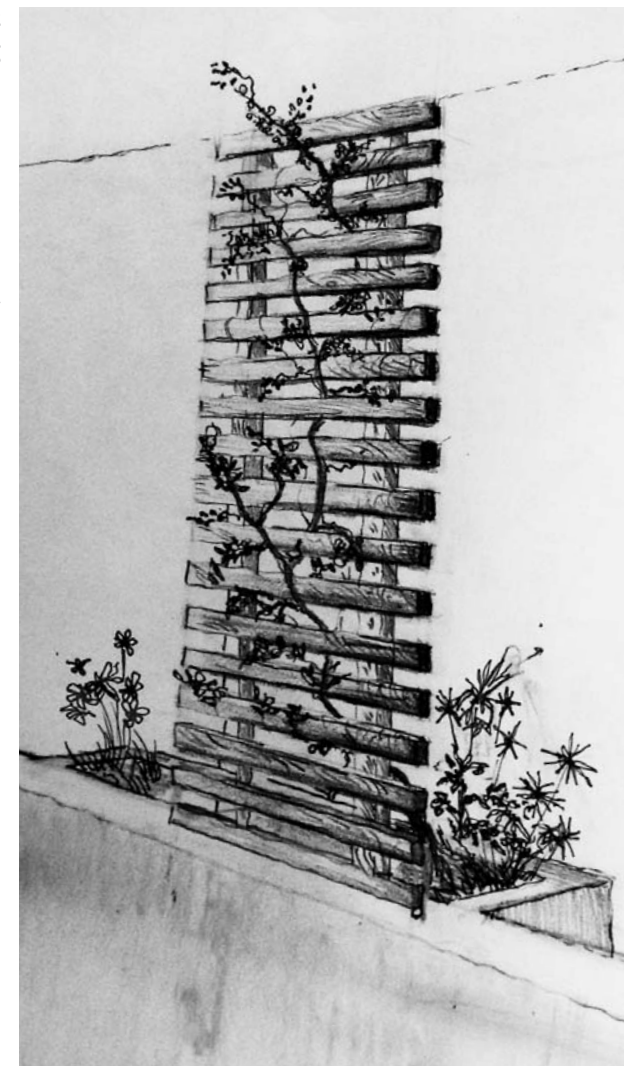
GREENARY IN THE AIR

results



Currently the existing condominium houses do not have a good look due to the random and unpleasing pattern of the satellite dishes and the other functions like hanging clothes on the front facade. As well this design has put a grid of using a different place for arranging the satellite dishes and introduction of greeneries.

Greeneries: the main concept behind the greeneries was introduction of a vegetal element with community participation. Here the design have introduced horizontal wood shutters as a main element of greenery.



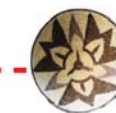


This traditional craftwork is one of the main identities of ethiopians and especially Tigreans. They are mainly used as interior decoration elements and have also additional purposes as an equipment for different activities. The appearance, color and design of this crafts work is very amazing and unique. And this project have integrated this element together with the satellite dishes as an identity giving element to the whole condominium building and adding a special character to its look.

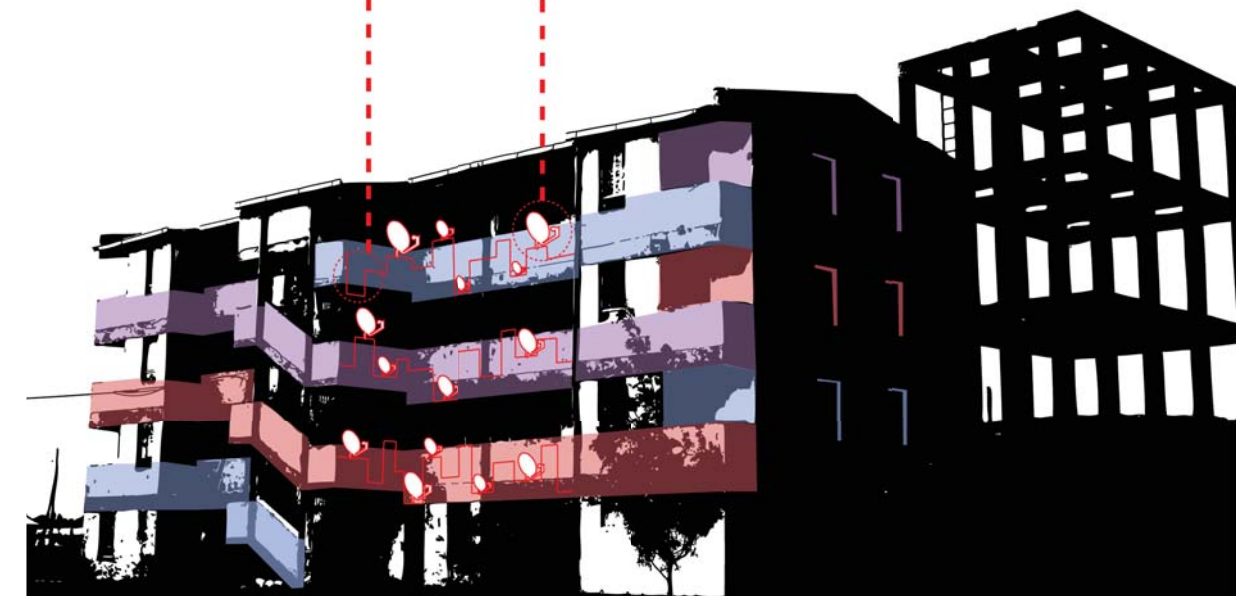
TIGRAYIAN SATTELITE DISH

PATTERN OF DISHES

THE TRADITIONAL WEAVEN BASKETS



DISH PATTERN



The color is another element of the look. The color has been used as an element displaying the life of the people in the condominium which has different way of life and background. Therefore painting in different colors but in harmonized one will create this feeling without losing its totality

GUARD HOUSE OR BENCH?

URBAN PARTIAL ELEMENT

results



The guard house happens to be a triangular structure with an alien look to the whole condominium site.

As a result the guard house is used as part of the landscape. With a little modification to its shape and material, this was used as an element of urban furniture.

a) In relation to material: we all know that the GIS material is not comfortable to seat and aesthetically unpleasant. But by using bamboo as a main material, this element can be used as a bench.

b) In relation to construction system: By making it flexible and operable, the guard house is used as a seating bench in the day and a sleeping space for the guard.



FIND IT AND USE IT!

LOW-COST AND RE-USE

- Beteal WORKEYE
betelworkeye@gmail.com
- Danait MEKONEN
dandanaitdan@gmail.com
- Lensa WAKUMA
lensawakuma@gmail.com
- Liku SOLOMON
solik2602@gmail.com
- Miheret TAKELE
naniyaye19@gmail.com
- Netsbrak ATSBEHA
netse22@gmail.com
- Peniel YENENEH
penielyeneneh@gmail.com
- Samuel ABEBAYEHU
imas.slim@gmail.com

RESPECT,ADAPTATION, SUSTAINABILITY,TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

SITTING BUCKETS

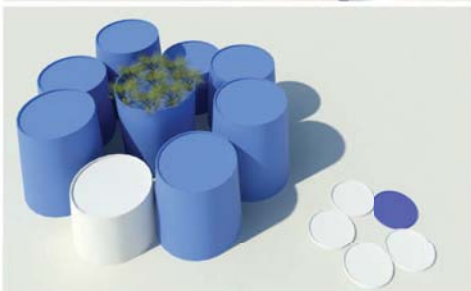
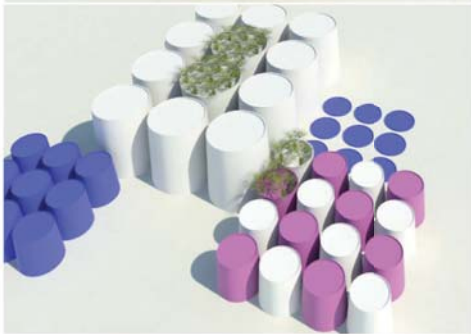
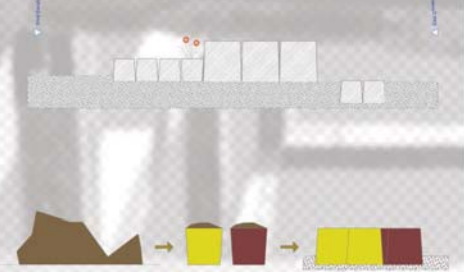
DESIGNED PRODUCTS
SHADERS
SITTING SETS
SWING ROPE
PLAYING WEB
SLIDES

SITTING SETS

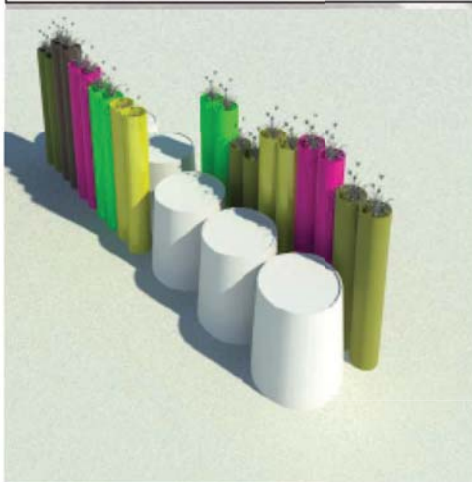
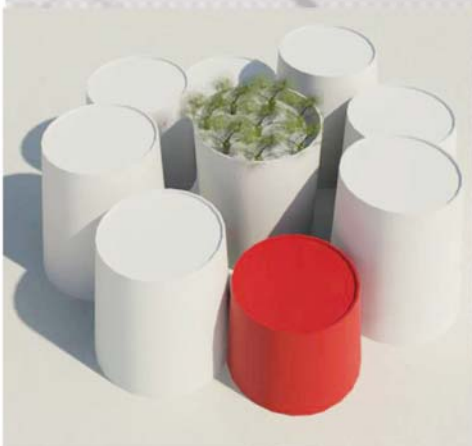
In the first place our goal was to achieve a magnificent design product made by innovation of "wasted" materials.And we found plastic buckets to be very abundant all over the site, city and the country and we made the best use out of this and designed sitting sets of playful patterns.



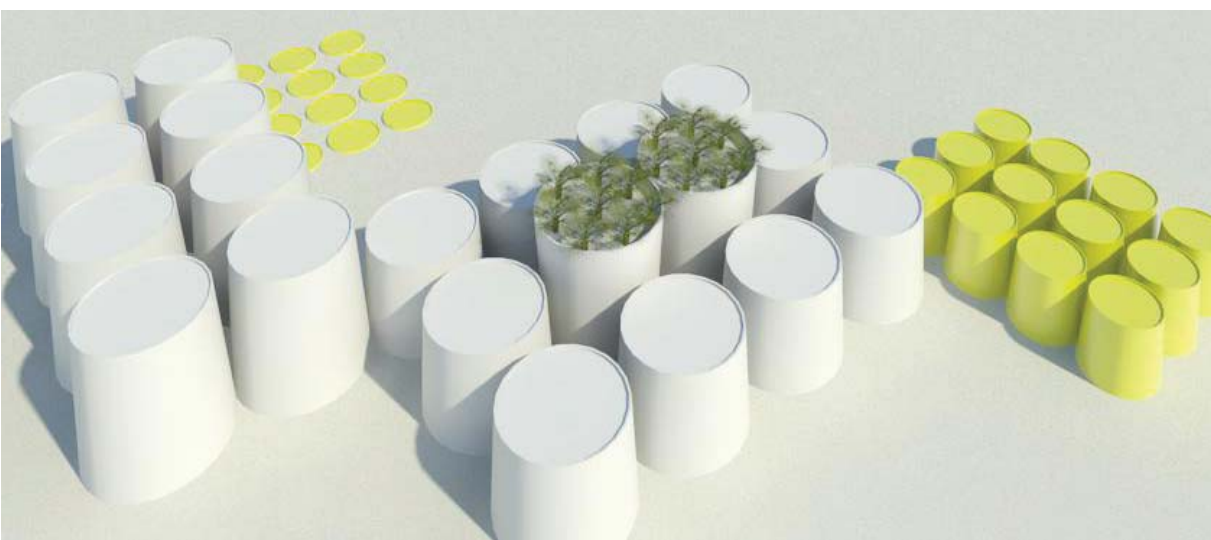
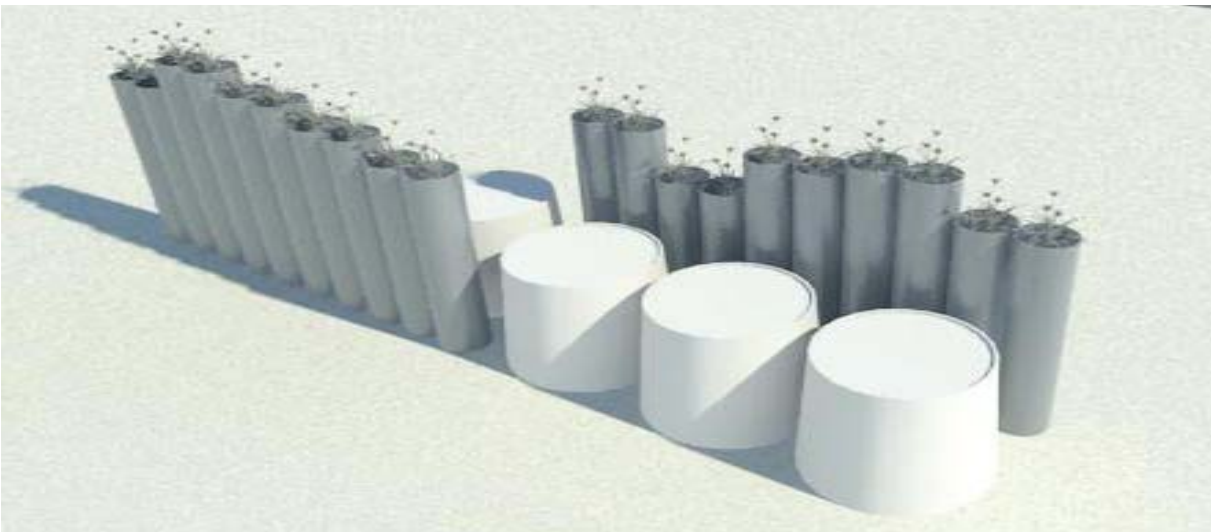
The plastic paint buckets are filled with soil and buried to some depth for stability purpose.Also, according to our analysis,there are "wasted" PVC pieces left over both on the site and so many other construction sites.So, we have made use of these materials in our product design too.



REUSED MATERIALS
TYRES
GARMENT PIECES
PVC PIPES
PAINT BUCKETS
PLASTIC CONTAINERS



FIND IT AND USE IT!
LOW-COST AND RE-USE
SITTING BUCKETS

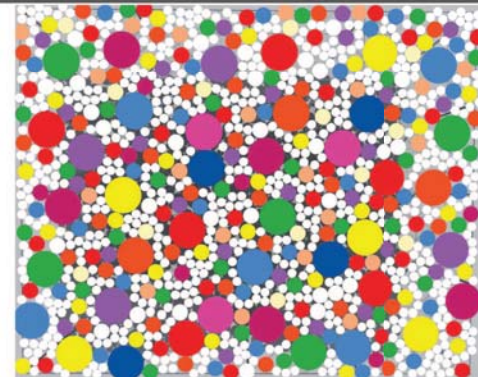


RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

UNDER THE SHADES

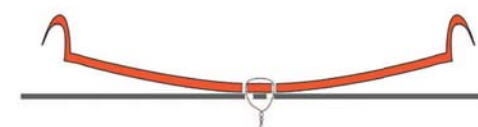
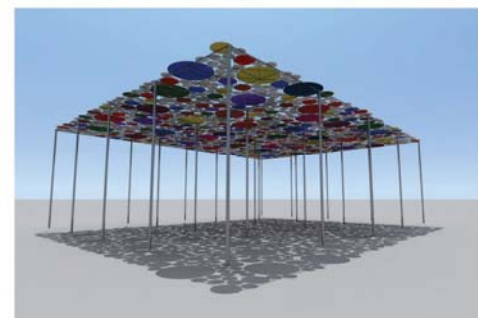
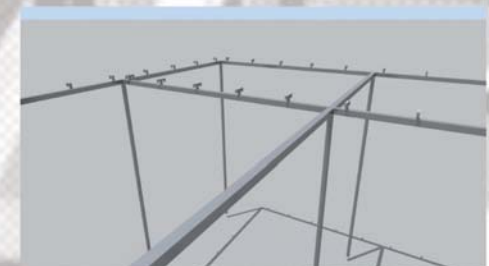
DESIGNED PRODUCTS SHADERS

SITTING SETS
SWING ROPE
PLAYING WEB
SLIDES



HORIZONTAL SHADE

As a shade for the playing kids we designed a horizontal shade that could cover a large area and we make use of plastic paint buckets of different sizes and old umbrellas with repetitive pattern and tie them on the sittings that are on the support of the shades.

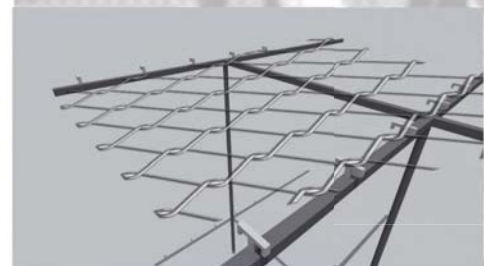
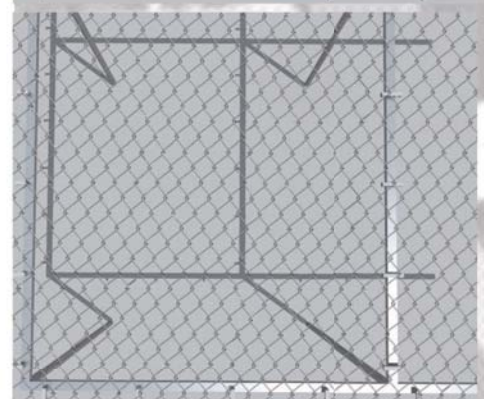
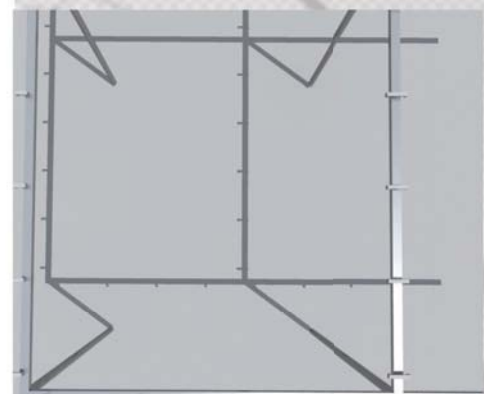


REUSED MATERIALS

TIRES
GARMENT PIECES
PVC PIPES

PAINT BUCKETS

PLASTIC CONTAINERS



FIND IT AND USE IT! LOW-COST AND RE-USE UNDER THE SHADES

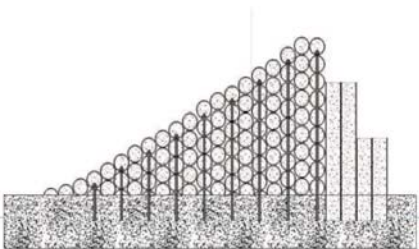


SLIDING PIPES

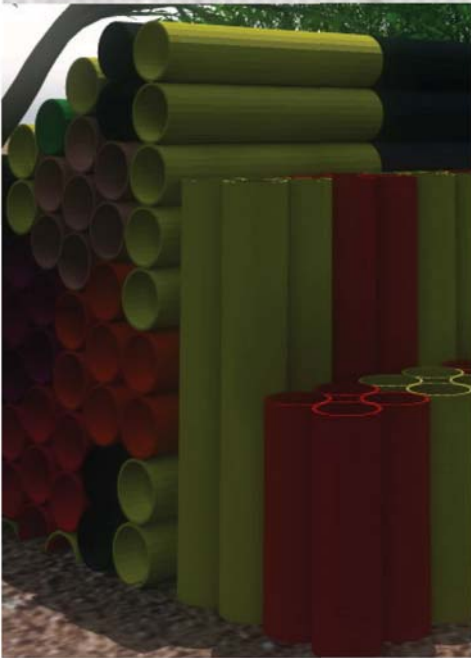
DESIGNED PRODUCT
SHADERS
SITTING SETS
SWING ROPE
PLAYING WEB
SLIDES

SLIDES

we have observed left over pieces of PVC wasted here and there; so, we designed a slide made out of bunches of pieces of these PVC held together and designed to have a sliding slope from the top. The PVCs are to be filled with soil for stability. For this structure to be practical on the ground, there is a need to have a way to make it firm and unmovable on the ground. so there could be installed reinforcement bars at the sides of the slide through the pipes and into the ground.



REUSED MATERIALS
TYRES
GARMENT PIECES
PVC PIPES
PLASTIC CONTAINERS
PAINT BUCKETS



FIND IT AND USE IT!
LOW-COST AND RE-USE
SLIDING PIPES



RESPECT,ADAPTATION, SUSTAINABILITY,TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

INNOVATION IN REUSING

OTHER DESIGNED PRODUCTS

GATHERING SEATS

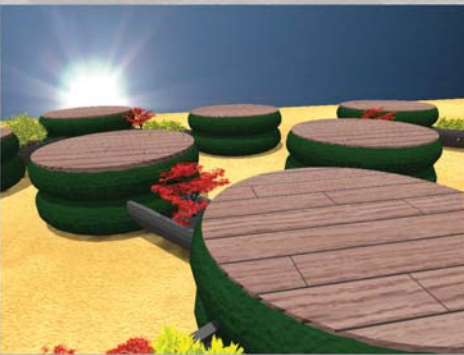
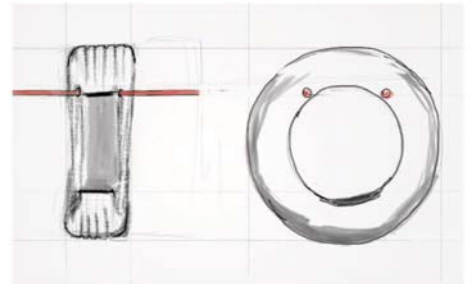
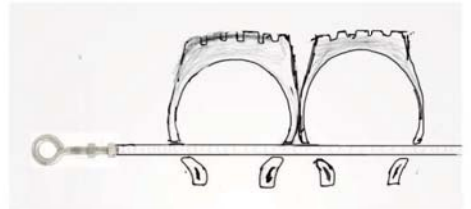
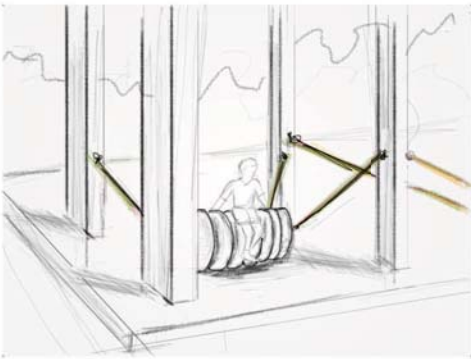
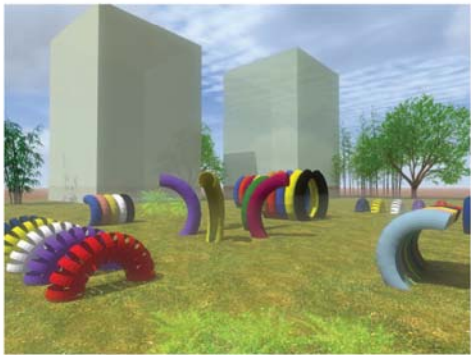
HIDE AND SEEK JUNGLE

'SEGNO MAKSEGNO' PLAYGROUND

SEATS AND PLAYING JUNGLE

Gathering area is one of the most essential part of the Ethiopian culture, but this condominium site does not have social gathering area. So we thought of creating gathering area that can be both for adults and kids. And this will inhance the social communication in the neighborhood.

The most frequently used material on the site, both as fences and on seating areas was 'TIRES'. So we thought of using this materials as a sitting and as playing tools for the hide and seek jungle.



REUSED MATERIALS

TYRES

GARMENT PIECES

PVC PIPES

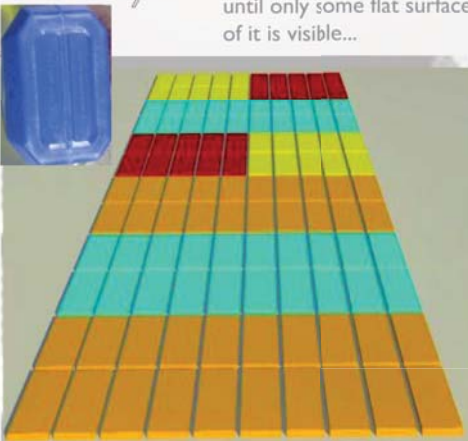
PAINT BUCKETS

PLASTIC CONTAINERS



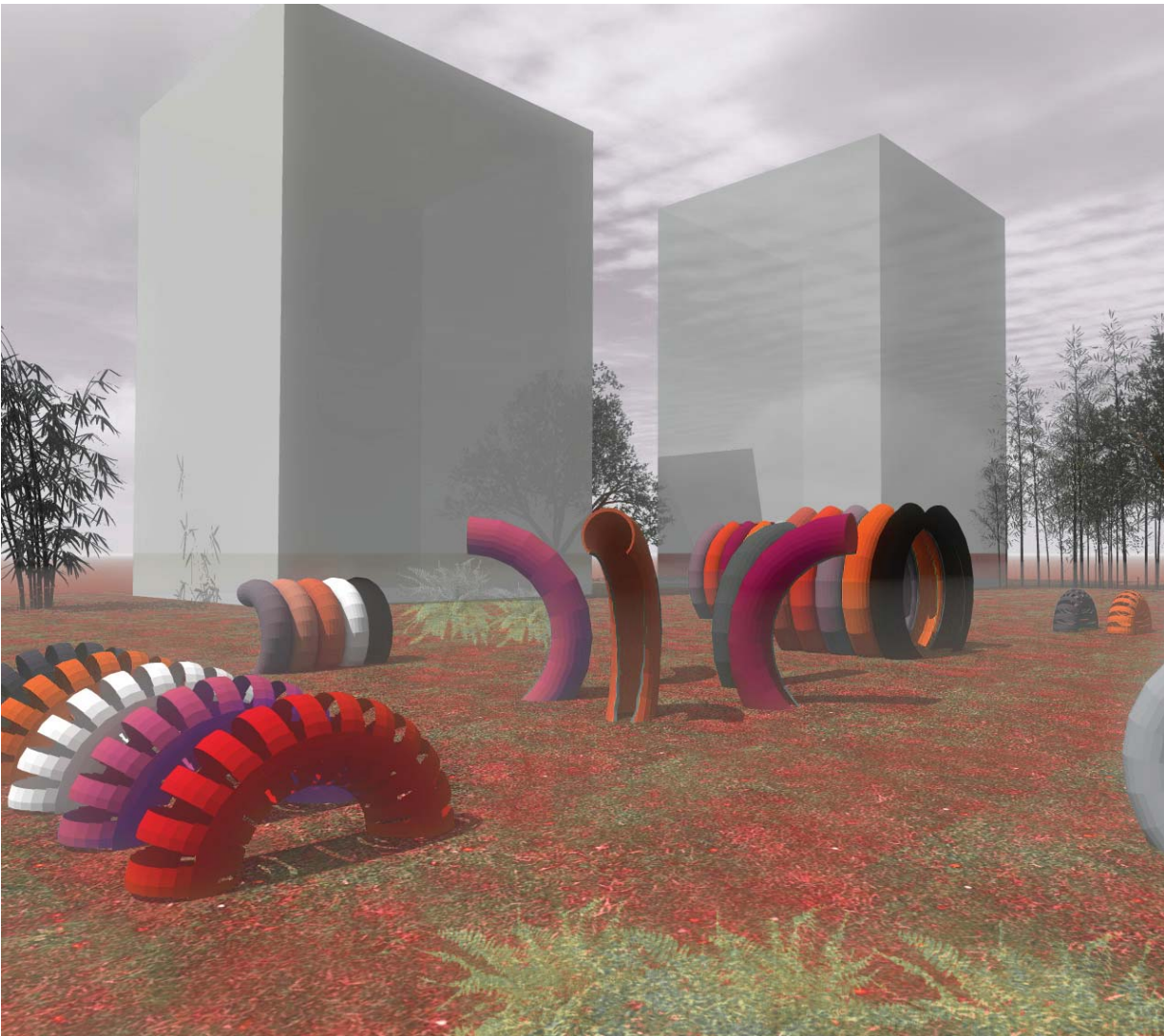
PLASTIC DETERGENT CONTAINERS

- STEP 1: Cut the containers
STEP 2: Fill it with sand to make it stable...
STEP 3: Turn it upside down...
STEP 4: Bury the container according to its color until only some flat surface of it is visible...



FIND IT AND USE IT!

LOW-COST AND RE-USE INNOVATION IN REUSING



RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

SWING ON TYRES

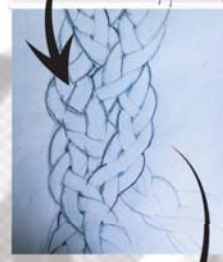
DESIGNED PRODUCTS
SHADERS
SWING ROPE
SITTING SETS
PLAYING WEB
SLIDES

The main material for this specific design is the by product of textile factories. The left out of the cloth es from factories can be knotted to a stronger bond to produce a stable rope for the designed swing sets and playing web.

As the single unit of the garment could be unstable for the kids to play with, knotting the units like the illustration below would resulted in a strong and appealing produced.



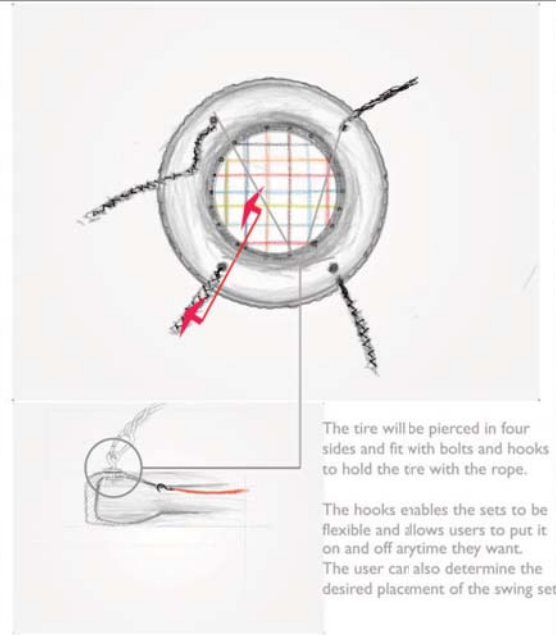
First, three units of the reused garment will be knotted together by mixing colors.



Then, those three units will knotted with another two knotted units.



The final result will be a strong colorfull rope than can be used for the swing set and playing web.



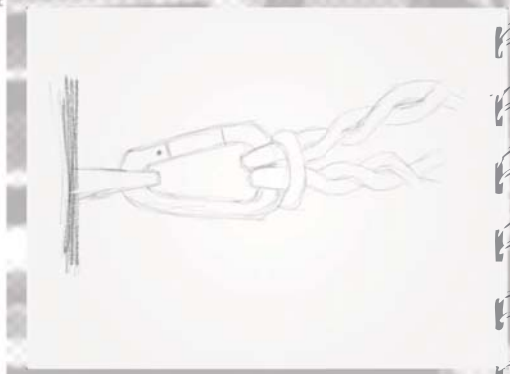
The tire will be pierced in four sides and fit with bolts and hooks to hold the tire with the rope.

The hooks enables the sets to be flexible and allows users to put it on and off anytime they want. The user can also determine the desired placement of the swing set

The seat will also be a product of garment pieces that are hooked to the edge of the tire, which makes it comfortable. The pieces will also have colorful theme which could be aesthetically appealing.



REUSED MATERIALS
TYRES
GARMENT PIECES
PVC PIPES
PAINT BUCKETS
PLASTIC CONTAINERS



FIND IT AND USE IT!

LOW-COST AND RE-USE SWING ON TIRES



COLLECTIVE SOLUTIONS!

FOR COMMUNITY

Mu-uz WELDU
Meles KAHSU
Abdelwehab YEHYA

6TH YEAR STUDENTS

RESPECT,ADAPTATION, SUSTAINABILITY,TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

BENCHES FOR ALL USERS

CONCEPT

CONDOMINIUMS ARE PLACES FOR ALL: KIDS,ADULTS AND ELDERS. THE MAIN CONCEPT OF THIS BENCH PROTOTYPE IS TO ACCOMODATE ALL KIND OF USERS IN RELATIVE TO THEIR NEEDS.

ELDERS

ADULTS

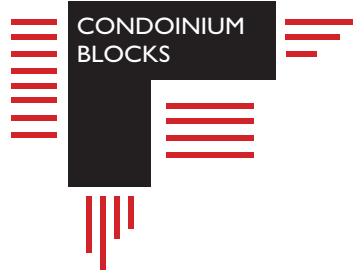
CHILDREN

MATERIALS

THE MATERIAL CHOICE OF THIS PROTDUCT IS DIRECTLLY RELATED TO THE FLEXIBLE SHAPE. IN RELATION TO COST AND APPLICABILITY OF THE PRODUCT,WE HAVE PROPOSED DIFFERENT POSSIBILITIES. WOOD CONCRETE OR PLASTIC

PATTERN

THE REPEATITION PATTERN OF THIS PRODUCT



FENCES

SOME OF THE CONDOMINIUM RESIDENTS HAVE TRIED TO ENCLOSE SOME PRIVATE KIND OF SPACES BY PUTTING SOME FENCE LIKE STRUCTURES AND SOME GARDENS. BUT THESE STRUCTURES ARE NOT STRONG AND PLEASING TO THE EYE.THERE FORE WE HAVE COME UP WITH THIS WOODEN STRUCTURE FENCE WITH SOME PLATES FOR FLOWER POTS AND WITH STREET LAMPS ATTACHED IN TO IT.



COLLECTIVE SOLUTIONS! FOR COMMUNITY BENCHES FOR ALL USERS



RESPECT,ADAPTATION, SUSTAINABILITY,TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT

GETTING ALL TOGETHER

CONCEPT

THE MAIN PROBLEM BEHIND THE PLACEMNT O F THE SATELLITE DISHES IS THEIR MESSED UP PATTEN AND DISTURBING THE LOOK OF THE CONDOMINIUM. HAVING THIS ,THE MAIN CONCEPT OF THIS PRODUCT IS TO BRING ALL THE SATELLITE DISHES IN TO A SINGLE STRUCTURE THAT WORKS WELL TO ALL RESIDENTS OF THE CONDOMINIUM AND HARMONIZE WITH BLOCKS.

MATERIALS

THE TOWER STRUCTURE WILL BE OF A LOCALLY FOUND MATERIAL WHICH IS THE EUCALAPTUS TREE AND SMALL BAMBOOS FOR CONNECTION AND STRENGTHING THE STRUCTURE.ADDITIONALLY THE PLATE FOR PUTTING THE SATELLITE DISHES WILL BE CONSTRUCTED OF LOW COST RECYCLED STEEL.

CONSTRUCTION

THE TOWER STRUCTURE WILL LAY ON A CONCRETE BED.

LOCATION

CONDOINIUM
BLOCKS



EXISTING SATELLITE DISH
INSTALLATION



AN EXAMPLE OF A CONDOMINIUMB-
LOCK LOOK WITH ITS SATELLITE DISH
DISTURBANCE



COLLECTIVE SOLUTIONS!
GETTING ALL TOGETHER

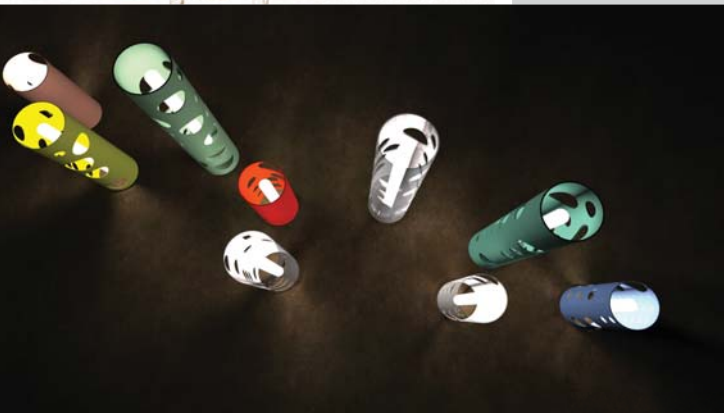
FOR COMMUNITY



DETAILS!

FOR COMMUNITY

- Eyerusalem DEGEFU
- Germachew DESALEGN
- Haimanot TSEGAY
- Makda DIRAR
- Terusaw SOLOMON
- Teshome SOLOMON
- Yohannes AFEWORK
- Yordanos YILMA



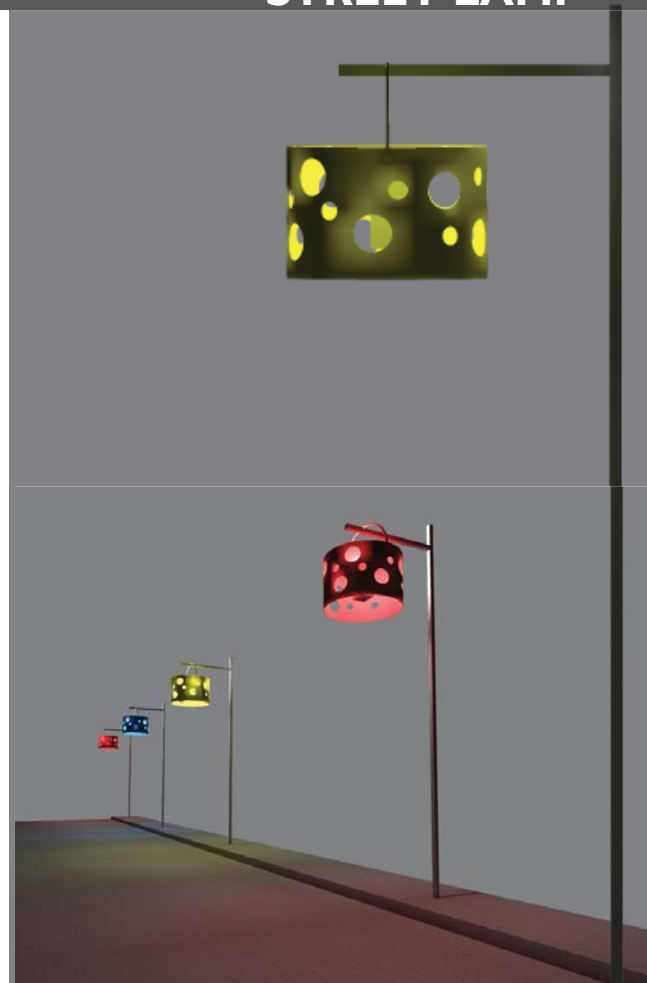
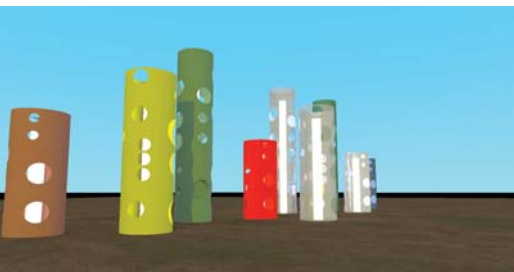
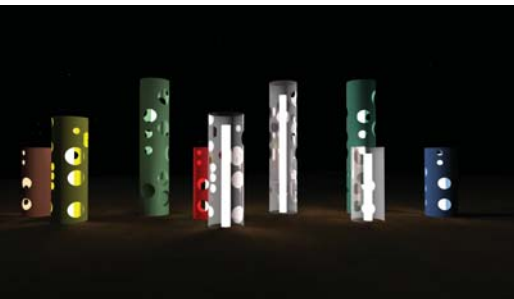
WORKSHOP FOR ARCHI-STUDENTS

SECURITY, LIVEABILITY, ACCESSABILITY, RECYCLING, INVITING, CREATIVE, SIMPLE

STREET LAMP

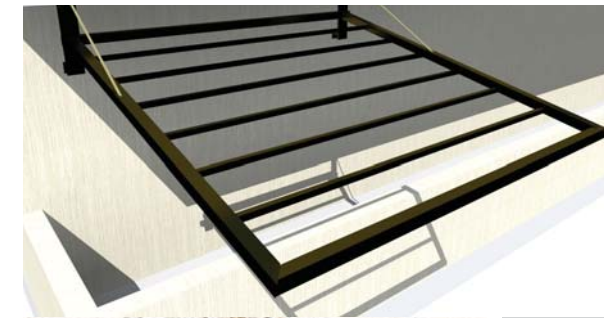
street lamp

providing light for the site is important as there are no light fixtures these leaves the site very dark and unsafe at night so using the gutter pipes as light fixtures by giving them a certain arrangement that they can function as street lights and at the same time as sculptures



DETAILS!

FOR COMMUNITY



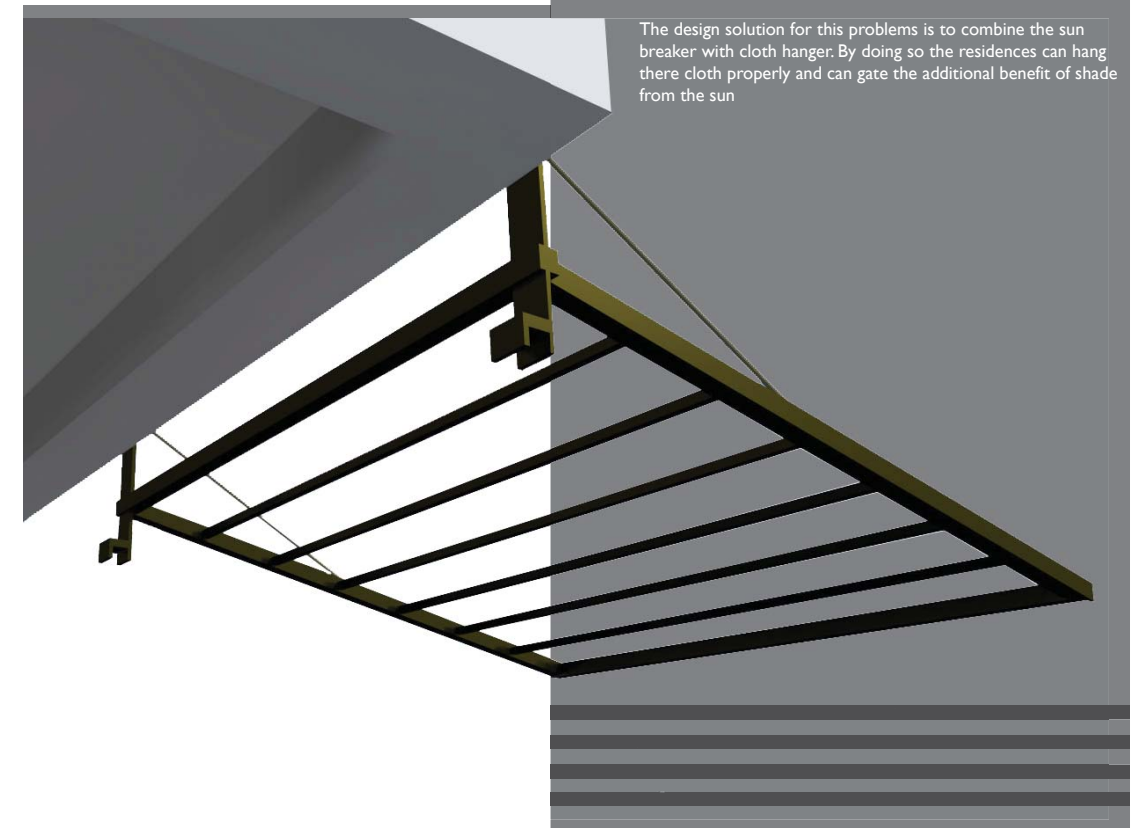
WORKSHOP FOR ARCHI-STUDENTS

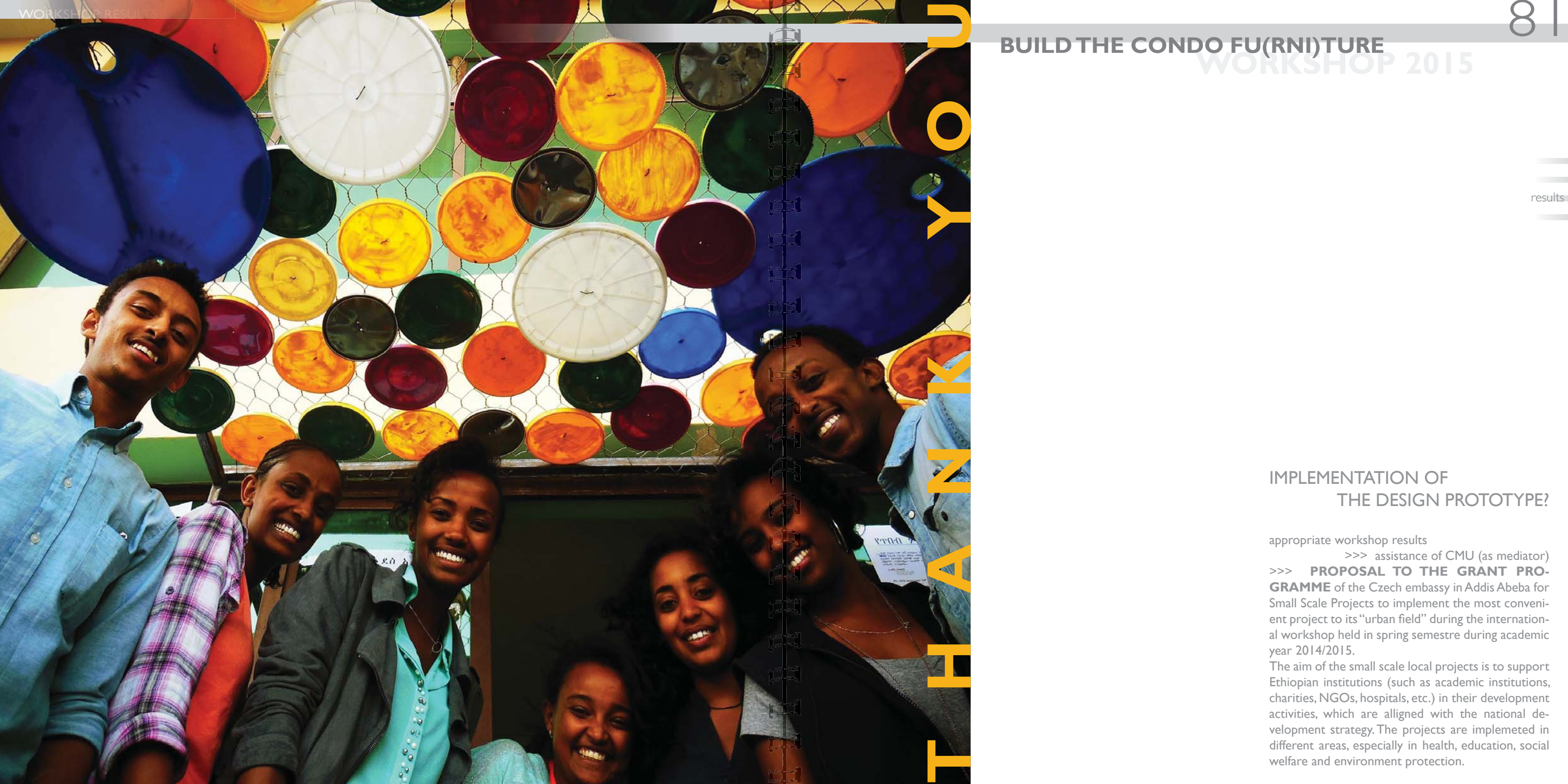
SECURITY, LIVEABILITY, ACCESSABILITY, RECYCLING, INVITING, CREATIVE, SIMPLE

SHADER AND CLOTH HANGER

Shaders and cloth hangers - Concept

The design solution for this problems is to combine the sun breaker with cloth hanger. By doing so the residences can hang there cloth properly and can gate the additional benefit of shade from the sun





WORKSHOP RESULTS

THANK YOU

BUILD THE CONDO FU(RNI)TURE

WORKSHOP 2015

results

IMPLEMENTATION OF
THE DESIGN PROTOTYPE?

appropriate workshop results

>>> assistance of CMU (as mediator)

>>> **PROPOSAL TO THE GRANT PROGRAMME** of the Czech embassy in Addis Abeba for Small Scale Projects to implement the most convenient project to its "urban field" during the international workshop held in spring semestre during academic year 2014/2015.

The aim of the small scale local projects is to support Ethiopian institutions (such as academic institutions, charities, NGOs, hospitals, etc.) in their development activities, which are alligned with the national development strategy. The projects are implemeted in different areas, especially in health, education, social welfare and environment protection.

ELSEWHERE

elsewhere

Inspiration from various sites all over the world, often on the edge of the street art and provocation...

INSPIRATION



NEW MATERIALS...



AWARENESS RAISING...



FOCUS ON DETAIL...



MULTIFUNCTION...



SERIOUSLY UNSERIOUS...

elsewhere

photo © smarter planet

photo © city of Montreal

photo © Guerilla street Furniture

photo © designo. naraonia

photo © streetart 12



photo © offGround



photo © offGround



photo © offGround



photo © offGround

HAMMOCKS OFF-GROUND IN COPENHAGEN

elsewhere

Some cities discourage long uses of public furniture by ripping out benches or giving them ridiculous, uncomfortable seats. Not Copenhagen: This chill 'burg practically begs its citizens to vegetate for hours with a new, alfresco arrangement of body-hugging hammocks.

The unconventional fixtures, called "Off Ground," appeared this summer on a boardwalk in the heart of the canal-streaked city. With their fetching red-and-blue color schemes, they beckon wayfarers from afar to come and take a load off – munch a sandwich while gazing over the water, say, or dream about the lazy days they spent as children basking in their own backyard hammocks. If visitors wants to ratchet up the activity level a bit, they can stand up and transform the slings into their alternative form of swings.

Transporting people back to their childhoods was part of the purpose of this street furniture, according to the designers that made it, Jair Straschnow and Gitte Nygaard. The duo seems bored with staid, mature-looking public spaces; they'd rather that civilians frolic around in them as if they were at the playground

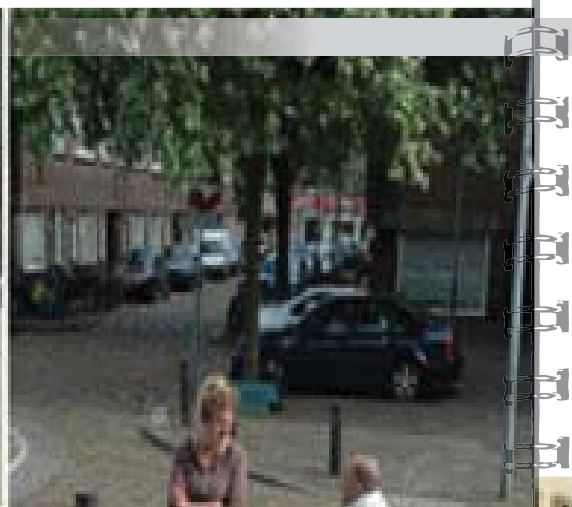
JOHN METCALFE @citycalfe



photo © offGround



photo © offGround



ART INVOLVEMENT...



photo © popUp street furniture

photo © mobilier urbain street



**INNOVATION SHOULD BE SIMPLE
THE MORE COMPLICATED IT IS,
THE MORE MISTAKES ARE MADE.**



RESPECT, ADAPTATION, SUSTAINABILITY, TRADITION, COMMUNITY, HUMANITY, QUALITY, COMMITMENT