

26/03/2018
– 05/04/2018

respect, sustainability, innovation, creativity, flexibility, quality, commitment

hands on low cost design

WORKSHOP for archi-students

EiT-M

Ethiopian Institute of Technology – Mekelle
የኢትዮጵያ ቴክኖሎጂ ኢንስቲትዩት - ሙከራ
Mekelle University
ሙከራ ዩኒቨርሲቲ

unlimited
j a k u b
c i g l e r
architekti



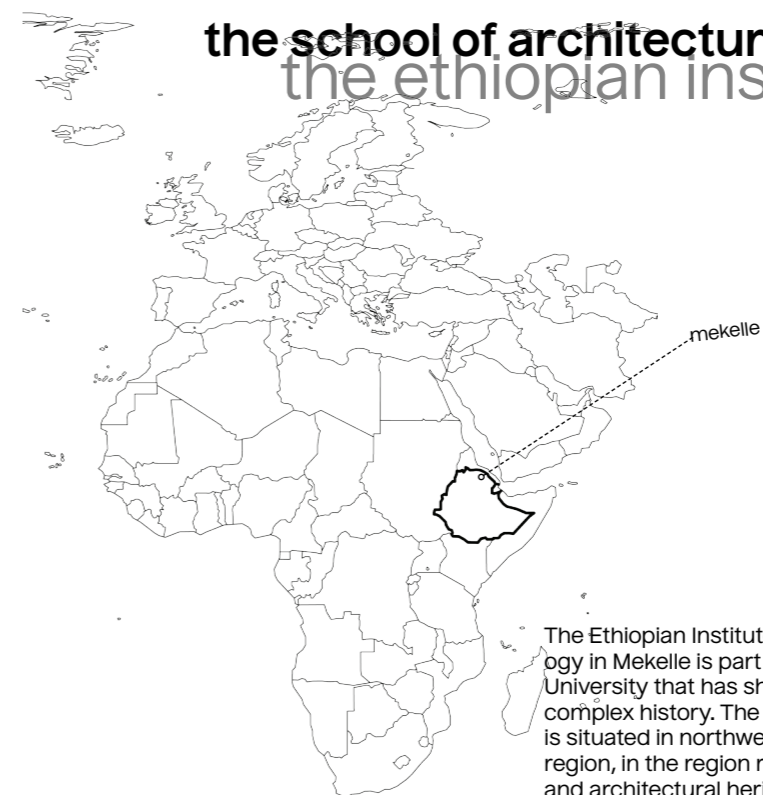
respect, sustainability, innovation, creativity, flexibility, quality, commitment

hands on low cost design

WORKSHOP about **THE ARCHITECTURAL DESIGN**
organised in Mekelle from 26th March till 6th April for 2ND and 3RD year archi-students



the school of architecture and urban planning the ethiopian institute of technology



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 – the architecture and the urban planning among them.

The first contact intended to diversify inputs for the architectural research led with other partners. When got known each other we have decided to cooperate directly on the 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 contribute to the development....

In 2014, there were two workshops on public space focused on “forgotten” aspects of open spaces in condominiums and concerned product design of condominium furniture “Find It and Use It” and “Condominium Street Furniture”...

Year 2015 was devoted to the development of workshop content in the field of project implementation and heritage preservation “conservation, creativity and communication”

In 2016, the diversification of the workshop portfolio continues with the course about Low Cost Design Strategies.

And in the academic year 2017/2018, the workshop “Hands On Low Cost Design” is held.



unlimited jakub cigler architekti
design within human commitment

Reflecting on the sustainability of the worldwide architecture and the good quality design accessibility has brought Jakub Cigler Architekti, a.s., to found *unlimitedJCA*, a new department of the studio. Considering that the architecture and the design itself is more than a drawing is is said that if design works, it promotes development. The inspiring environment is the background for the progress. When the basic needs are fulfilled, people search for the motivation and further stimulus.

The globalization has brought indifference to sites, traditions, cultures and to the effect on people's lives. Many designs ignore the climate and local particularities, which creates the worldwide energy. economic and social problems. The architecture doesn't have any common language, it shouldn't be simplified, and in contrary it should consider each project individually with respect to vernacular aspects.

- It brings us to
- ∴ to assist to identify **S U S T A I N A B L E** architectural and artistic principles
 - ∴ to assist to create a friendly **P U B L I C** space for everybody
 - ∴ to raise the public **A W A R E N E S S** about the public space, the architecture and the design
 - ∴ to interconnect cultural, academic and private sector – multi-stakeholder **P A R T N E R S H I P** - multi-disciplinary **E X C H A N G E** between architects and other professionals and stakeholders
 - ∴ to promote **N E W** technologies and ideas in the architectural design while **R E S P E C T I N G** specificities of a community
 - ∴ to promote architectural **E D U C A T I O N** and to support talents among architects and designers worldwide
 - ∴ to promote **P R E S E R V A T I O N** of the international architectural and cultural **H E R I T A G E**

www.unlimitedjca.com

unlimited
j a k u b
c i g l e r
architekti



the workshop for archi students respectful and open creativity

The workshop “Hands On Low Cost Design” is the continuation of successful workshop long-term collaboration between The Ethiopian Institute of Technology in Mekelle, School of Architecture and Urban Planning and architectural studio Jakub Cigler Architekti - JCA. Exactly with its division for the sustainable architecture within the human commitment *unlimitedJCA*.

One of the goals of the unlimited-JCA is to support the architectural education and to promote respectful and open creativity through various workshops and trainings. The collaboration with the School of Architecture started in 2013 and since that time we have merged skills and capacities to organise student workshops regularly. The goal is to enable students think out of the box, find alternatives and be comfortable with the design in real conditions.

In today's interconnected world, the local identity and cultural heritage is the key aspect of the community confidence and social development, however the challenge is still time and money, calendar and costs... The aim of the course is to explore and train lowcost strategies in design. Students shall be able to adopt low-cost strategies in their design projects based on international and

Ethiopian expert knowledge. The special consideration is given to the field of low cost interventions in public or shared spaces.

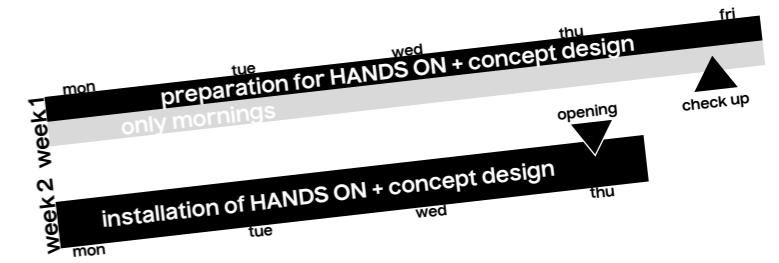
The particular objectives are to support creativity, innovation and the emergence of dynamic low-cost design and sustainable design sectors, to transform the existing potential into something more vital and radical in a decent and appropriate way, to question the roles of designers and users and to review its distribution, to evaluate the accessibility and availability of the design, even the low-cost design.

The aim is to find ways how to perceive, feel, understand and deal with local potential and user's needs, how to activate neglected areas, hidden spots, how to turn them into the places overflowing with the uniqueness and the INSPIRATION, how to attract the people to care about it, how to think progressively and SUSTAINABLY, how to contribute to the DEVELOPMENT, how to respond to the aspiration of people.

All this with regards how to use the local, primary and secondary materials - how to recycle and regenerate materials, how to make the users feel the ownership of the site, how to find focal points of public attention.

the academic frame

the architectural design II and III



The workshop is demand-driven project based on identification of needs of the faculty. It is either a complement of the course Arch 5422 Low-cost Strategies in Design for 5th year students in the Program B.Sc. in Architecture or an “extra studio” for the course Architectural Design II (ARCH 20812) / Architectural design III (ARCH 30832)

In the academic year 2017/2018: The workshop is considered like a block course in the middle of the spring semester for the course “Arch 20812” and “Arch30832”. It is a part of the mandatory curricula for all students of 2nd and 3rd years of the bachelor program.

The workshop is an intensive and playful approach to explore the issue of the lowcost design, to explore how the architectural tools can be used to shape public interest offering an unique eye opening experience with hands on realisation with the real result and impact on the school every day life... The school itself will become the archi-laboratory...

The course gives special emphasis to the local context, cost minimization, affordability, sustainability, replicability, material selection, flexibility, user simplicity, effective installation technologies... The focus is on elemental design in architecture and interior design with the strong feature of graphic design.

The workshop has two parts: HANDS ON and CONCEPT DESIGN.

The workshop itself contemplates a profit of the team: active participants (students) – coordinators (faculty staff - 10-14 instructors) – users (other students and stuff). The capacity building of the local staff and administration will be undertaken through the coordination process of the workshop to transfer appropriate skills to be able to continue with similar actions.

content

introduction	15
the hands on	17
the concept design	25
workshop results	27
the acknowledgements	123

hands on low cost design

50% hands on installation

string work

how to turn the ideas into REALITY
 >>> the school itself becomes
 an archi-LABORATORY

PARTICIPATIVE >>> PRACTICAL >>> REAL

50% concept design

design of a coworking hub
 integrating the string techniques
 for a real client

experienced in the part
 "hands on"

- └ — option A - Prague
- └ — option B - Bilovec

the introduction

design >>> installation

In today's interconnected world, the local identity and the cultural heritage is the key aspect of the community confidence and the social development, however the challenge is still the time and money - the calendar and the costs... The aim of the course is to explore and train **lowcost** strategies in design.

The students could adopt low-cost strategies in their design projects based on international and Ethiopian expert knowledge. The special consideration was given to the field of low cost interventions in shared spaces.

As the aim of the workshop was to design a solution for a real site, the project has real users. The fact that the real site is the School itself allows students to verify the sustainability and quality of their design and installation progressively...

The workshop has two parts: HANDS ON and CONCEPT DESIGN.

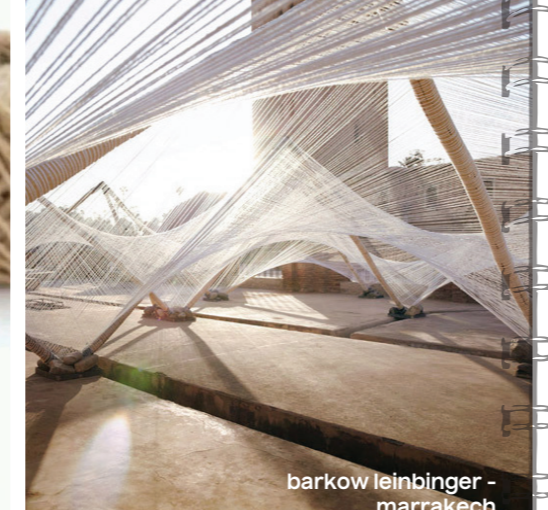
The Hands on... It implies active participation in a direct and practical way. The focus of this experience is on the final installation in shared spaces of the building of the School of Architecture. A thoughtful permanent installation possibly facilitating semestral expositions... how to turn the ideas into reality...

The Concept Design... broader integration of the techniques experienced in the part "hands on" into the project of coworking HUB in Prague (option A) or in Bilovec (option B)

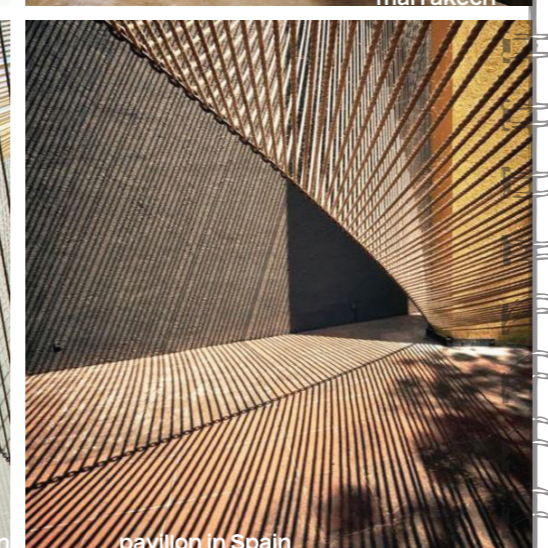
The course put the special emphasis to the context cost minimization, affordability, replicability, material selection, flexibility, effective construction technologies.

hands on
the string work

hemp rope - natural material

barkow leinbinger -
marrakechbarkow leinbinger -
marrakech

pavillon in Spain



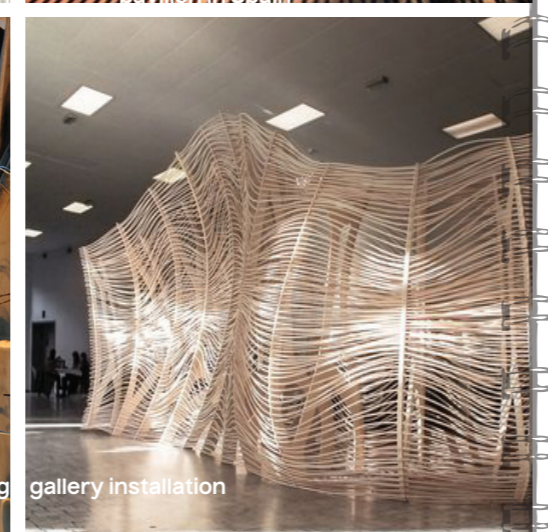
pavillon in Spain



broddery weaving



bamboo weaving



gallery installation

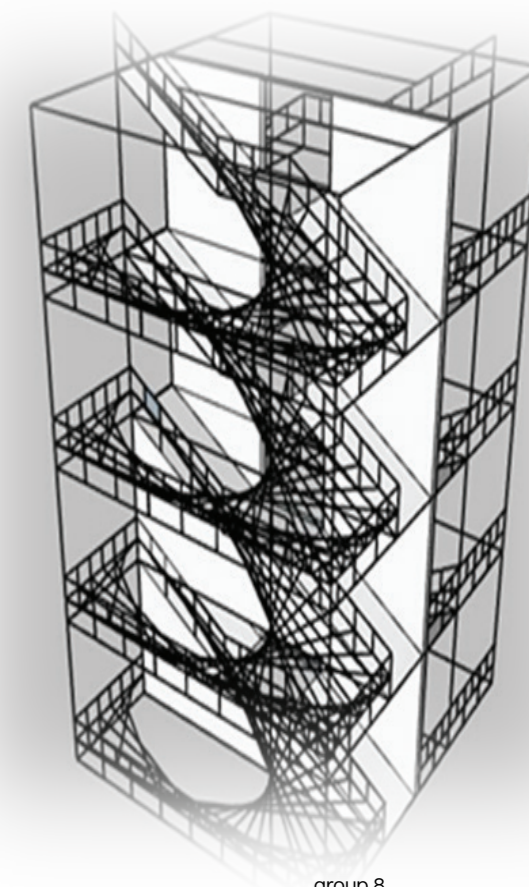
the hands-on
the string work

How to explore geometry with the string art - the craft with threads and ropes attached to nails... ?

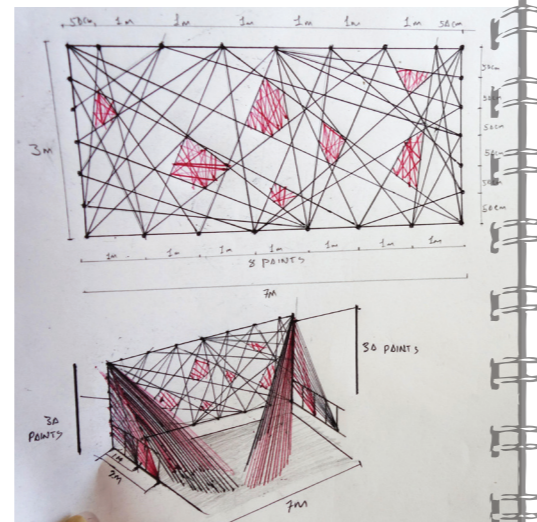
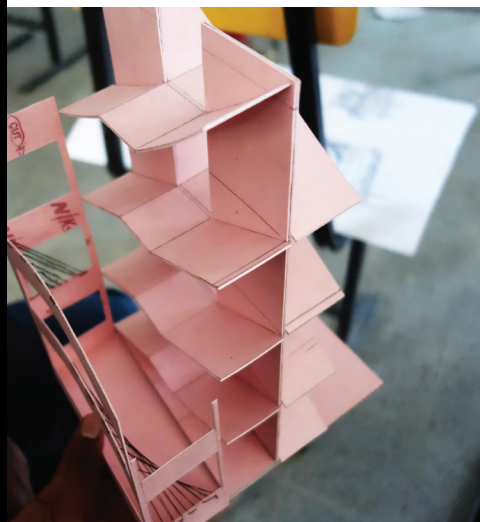
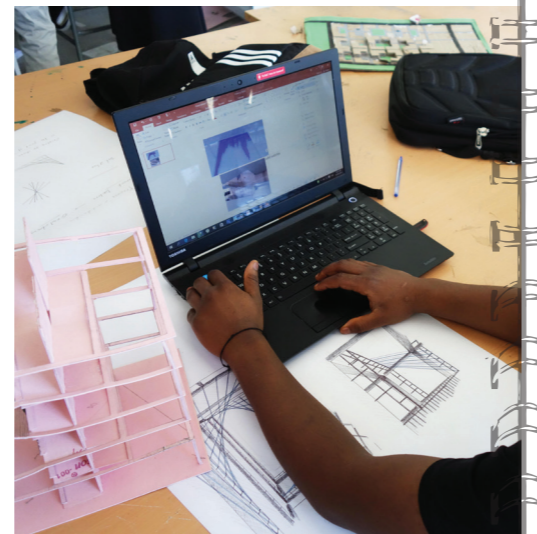
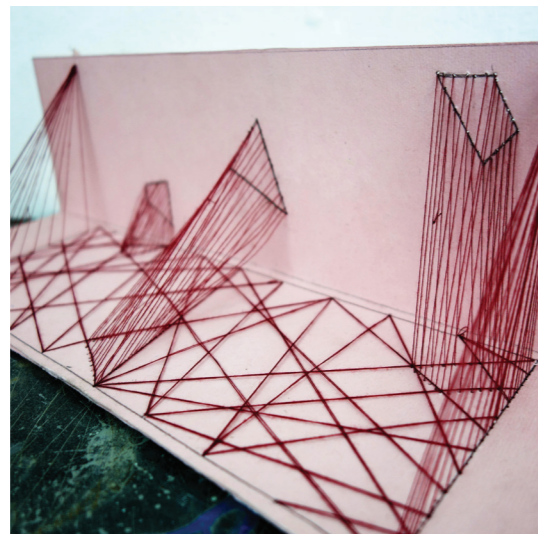
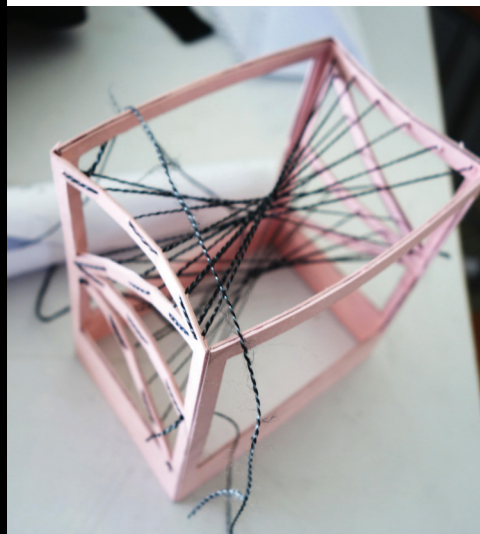
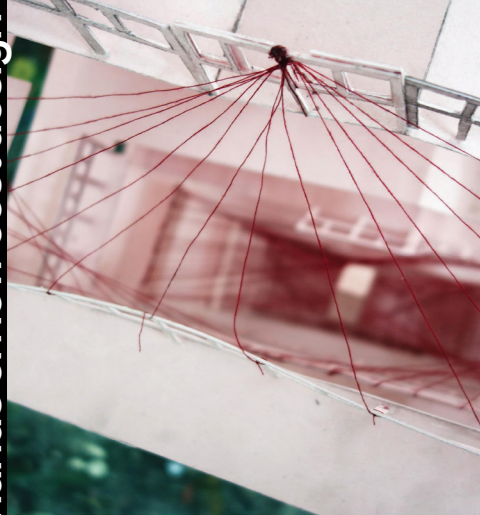
Though the straight lines are formed by the string, the slightly different angles and metric positions at which strings intersect gives the appearance of Bézier curves (as in the mathematical concept of envelope of a family of straight lines). For example, some of the curves that can be created are circles, parabolas, ellipses, hyperbolas, spirals, and some lesser known curves called cardioids, limacons, and deltoids. Yet in each case they were created with angles of different sizes, regular and irregular polygons, and a lot of segments and points.

This very simple and basic method was proposed to students to boost their creativity and geometrical imagination. They were supposed to apply this method to the staircase lobby of the school that is seen as unfortunately misused potential and everybody would like to see it as a permanent exhibition space where students, staff and visitors get inspired.

The work with threads serve to students as a tool to understand the space, the connectivity and the translational forms in 3D.



group 8



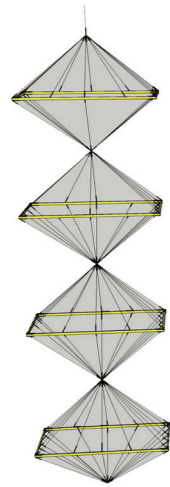
the strings in the school lobby the school as an archi-laboratory

The method of the string work was applied to the staircase lobby of the school that is seen as unfortunately misused potential and everybody would like to see it as a permanent exhibition space where students, staff and visitors get inspired.

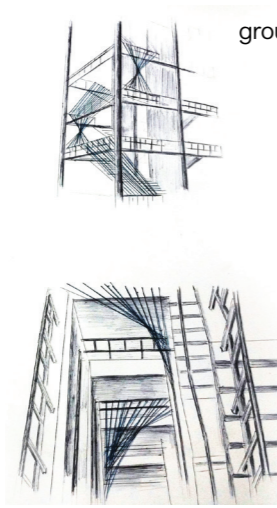
The staircase lobby is narrow, the floor height is rather short, that causes that the space is unfortunately poor in the natural light what makes the lobby less comfortable for people passing by and a bit difficult to be maintained clean.

The installation should attract the attention of people passing by, and its purity and lucidity drive the natural instinct to keep the place clean.

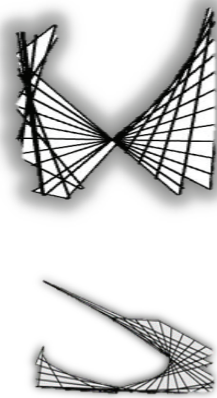




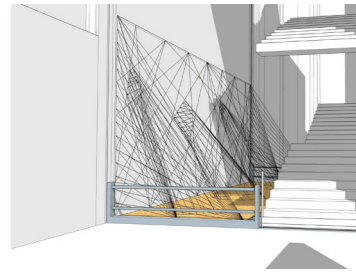
group 1
point > line > plane



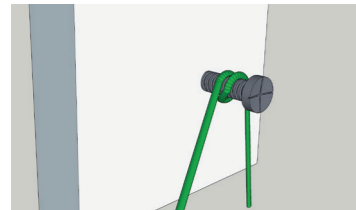
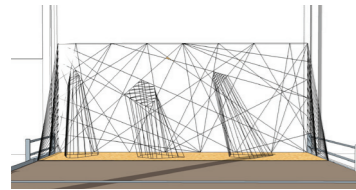
group 10



group 8

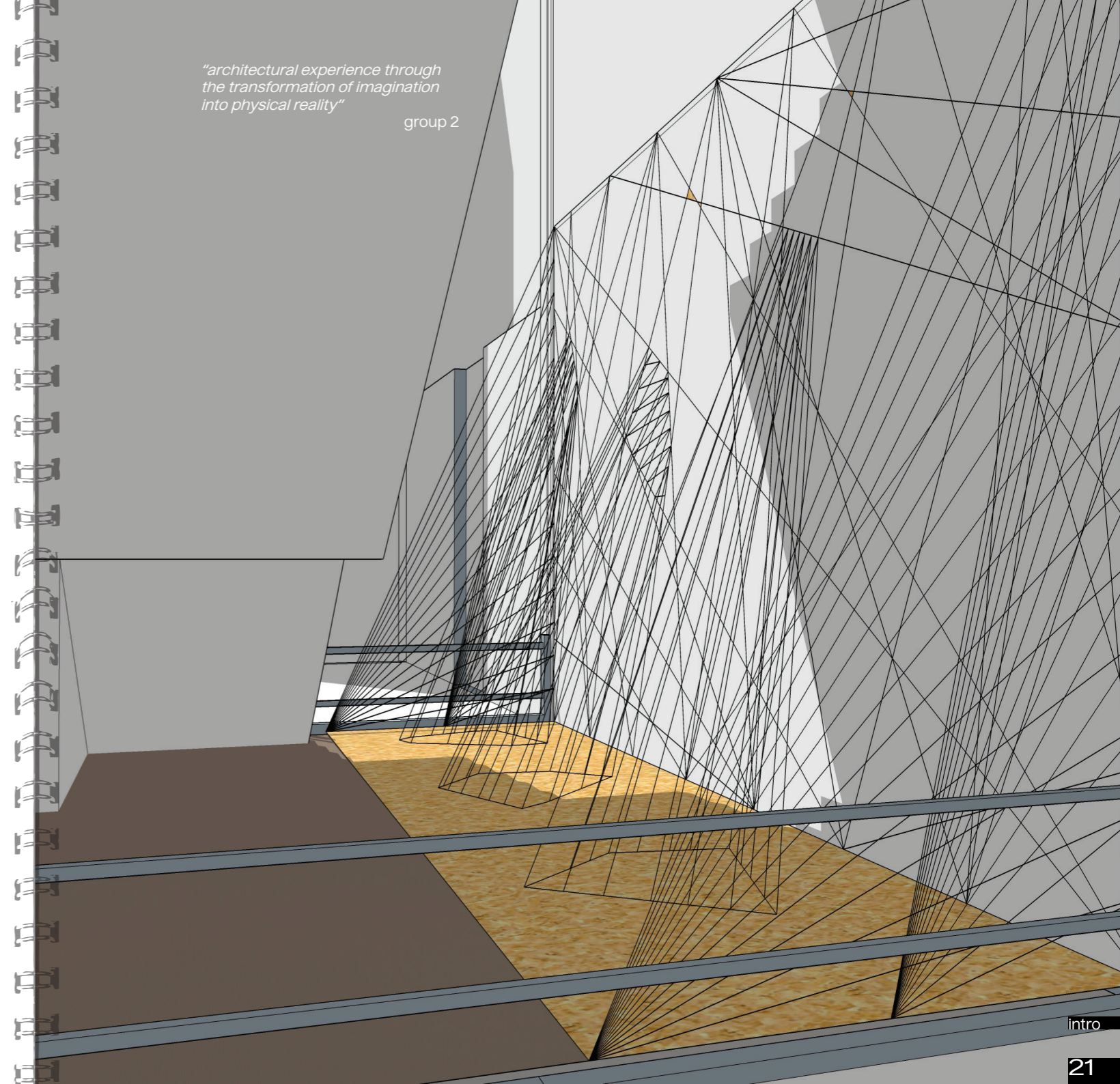


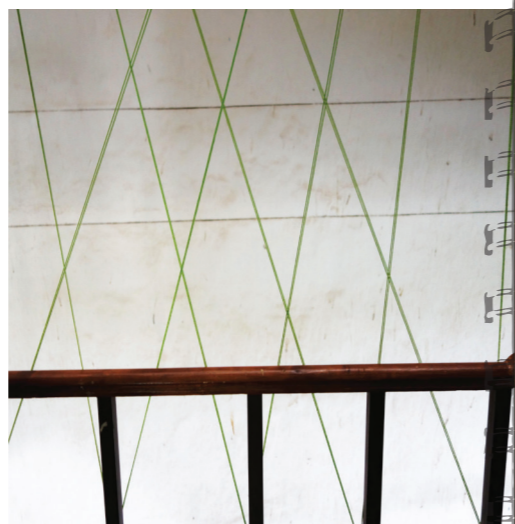
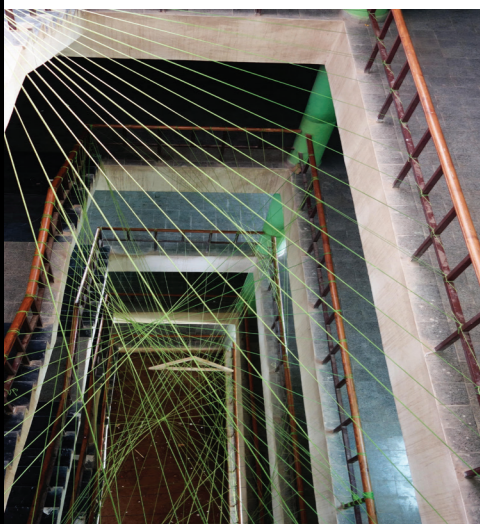
group 2



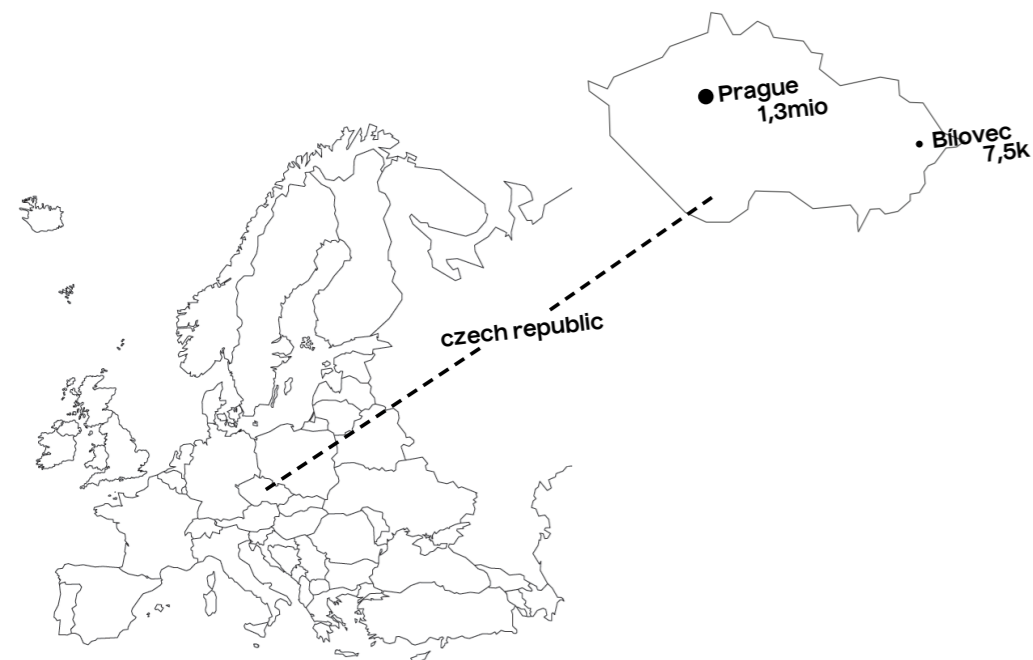
*"architectural experience through
the transformation of imagination
into physical reality"*

group 2





the strings in the school lobby
the school as an archi-laboratory



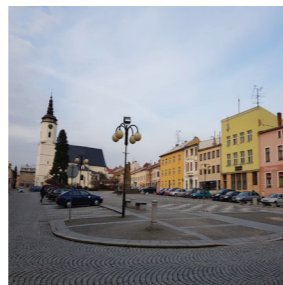
A - Prague
- metropolitan,
vibrant, international



B - Bílovec
- peripheric, calm,
personal, hospitable



A - Pragovka
industrial conversion, vision-
nary, art inclusive



B - Coworking centre BC
non-profit initiative,
community-demand driven

the concept design the co-working hub

option A - Prague

option B - Bílovec

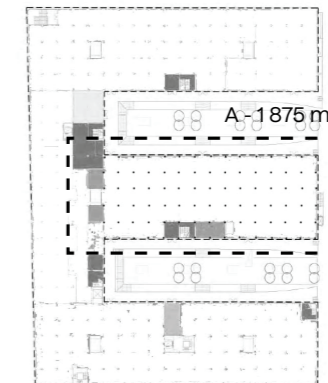


work >>> co-work

The former factory for famous cars is slowly turning into an open cultural center. It may seem to someone that the former machine factory is ending with breath. The opposite is true. For six years, blood has thawed again thanks to dozens of artists and their studios. From the punk beginnings, the new cultural center Pragovka Art District is born here.

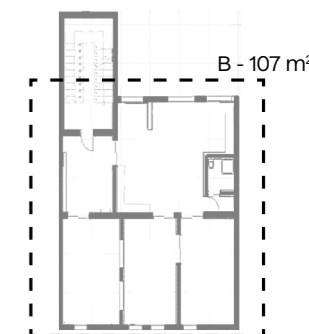
The E-Building - an endless maze of gleaming corridors, a dilapidated building full of live art with today's admixture of colors, sprays, wood and other materials.

The beginnings six years ago, when the first artists moved to Pragovka, were romantic. Over time, individual rooms occupied artists of all sorts. A "office house" was created. Instead of new carpets and polished work desks, you can imagine floors stained with dry colors, rooms full of more or less finished canvas or sculpture. During the first years, some of the tenants formed a community that started to move things. And today a new project is considered - an international co-working center in one of the wings of the ground floor ...



Coworking center in Bílovec is a private non-profit initiative to provide a nice place to work and meet together for people from the town and surrounding area. It is aimed at home-office based workers (mostly IT, accountants, self-employed, ...), students, visitors of the town and start-ups. The ultimate goal is to develop a community of people who get know each other, make new personal or business connections, brings new ideas and inspiration, meet on regular occasions and eventually help to bring more life to the center of the town, to provide a currently missing service in the town on sustainable basis (low loss or break-even economics is expected).

The building where coworking center hopefully will be set up, is in ownership of the town, but it isn't in very good condition. The coworking hub will be installed in the 2nd floor accessible directly from the main city square.





the workshop results

sustainability development
innovation improvement



Matheos kefale

Abel semere

Nuhamin kiros

Ayenew tadesse

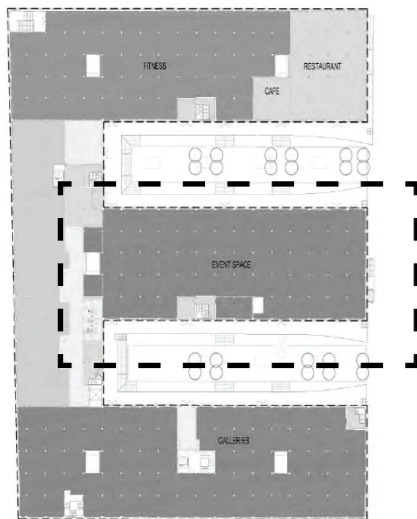
Milkyas Selemun

low cost design
flexible low cost design

optionA
gr1



To design a coworking space using a low cost material which is a card board. This is used to create an affordable and frendly spaces that can be used by ever class of the society.



-Redesigning the existing space into coworking space

CONCEPT

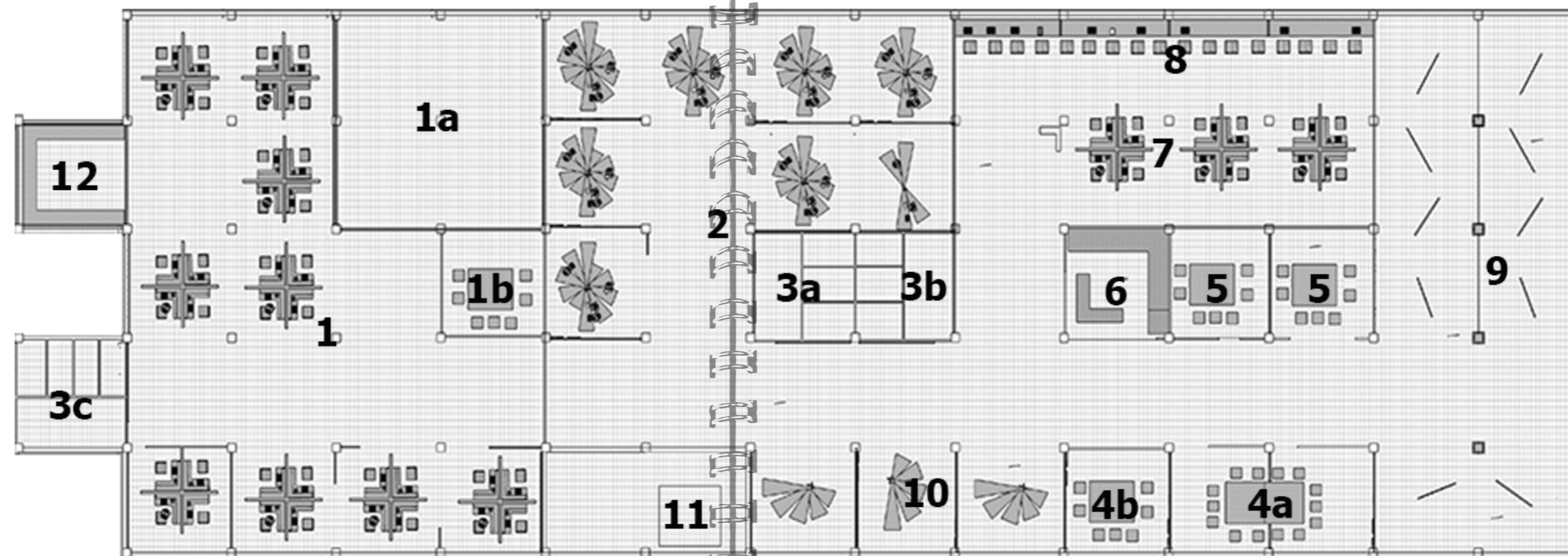
-Designing readily adaptable space
-This could be achieved by providing flexible furnitures,shutters and partion walls.

MATERIAL USED

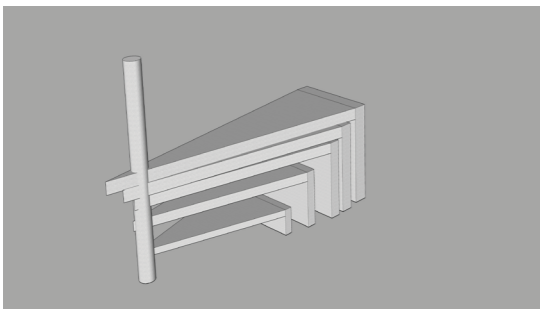
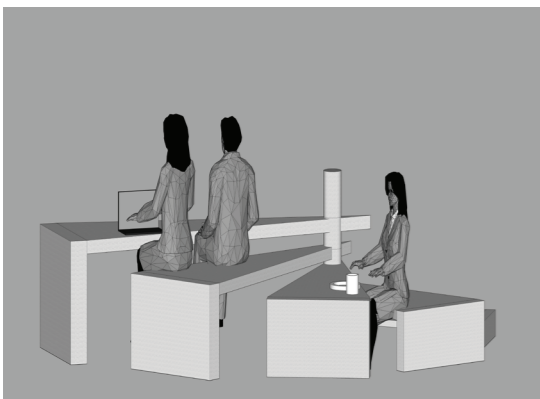
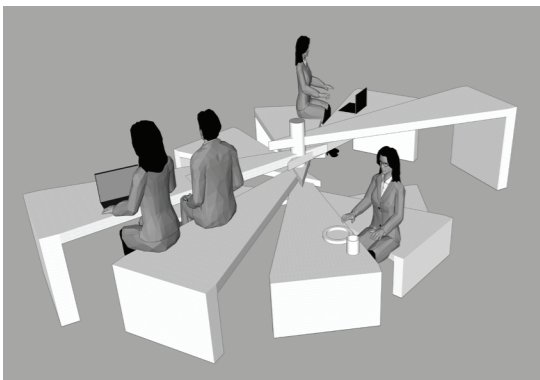
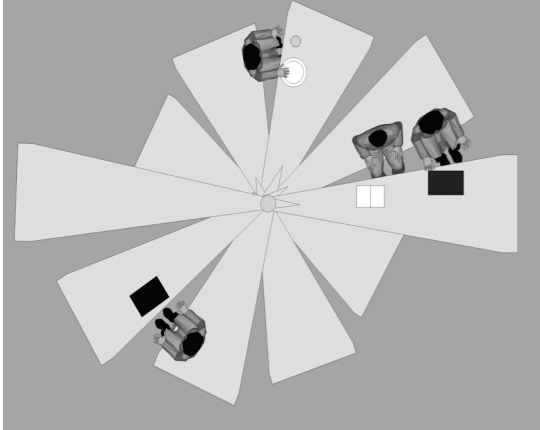
Cardboard which is

- Low cost
- Easy for maintenance
- Durable
- Flexible

pragovka E-building



- 1 office
- 1a Manager's private office
- 1b conference room
- 2 Public Group space
- 3 Toilet
- 3a men's toilet
- 3b women's toilet
- 3c common toilet
- 4 conference and discussion room
- 4a smaller room
- 4b bigger room
- 5 Presentaion Room
- 6 Kitchen /self serving area
- 7 Semi private individual space
- 8 Public,Individual space
- 9 Art gallery and workshop space
- 10 Private group space
- 11 Stair case
- 12 Store



Space wise/Multifunction

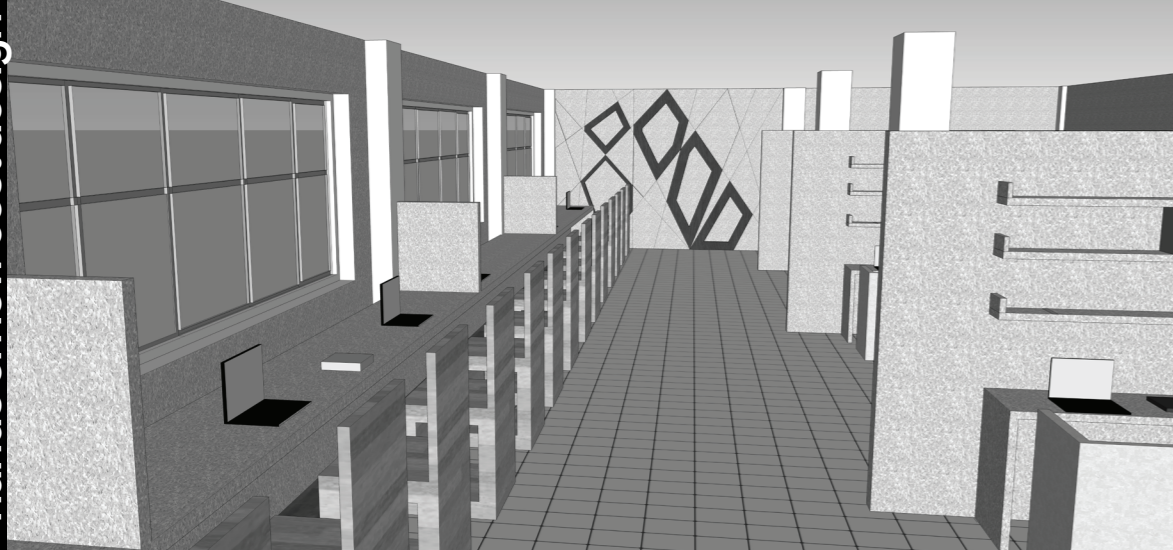
Cheap and easy for maintenance

Flexible and Movable

furniture

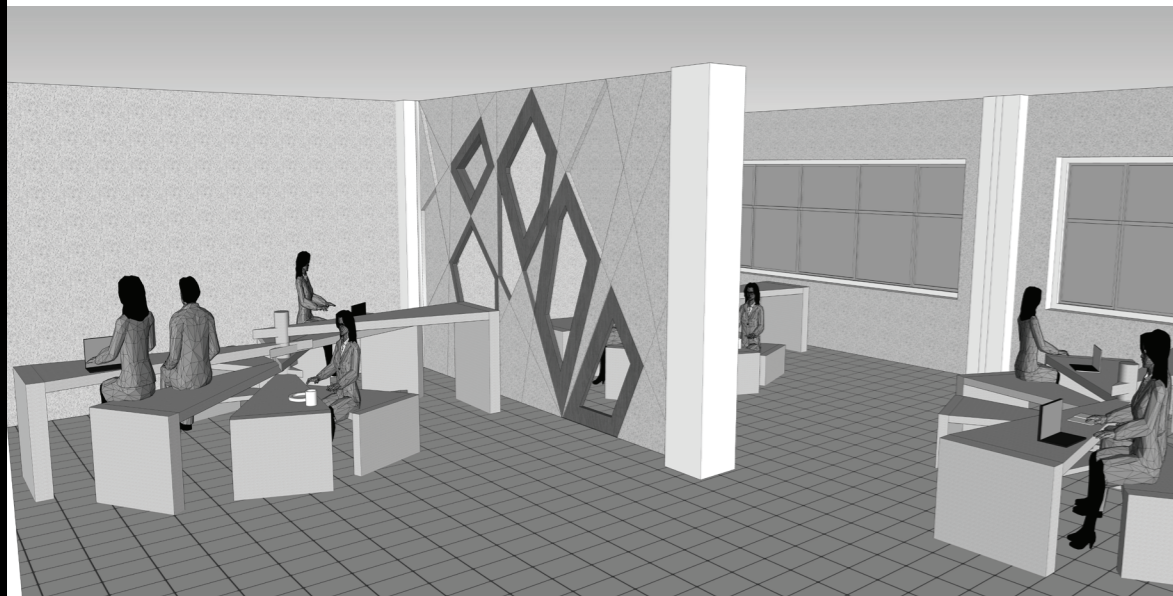
A flexible furniture which could rotate from single chair/table used by an individual into a multiple chairs and tables used by a group of people.





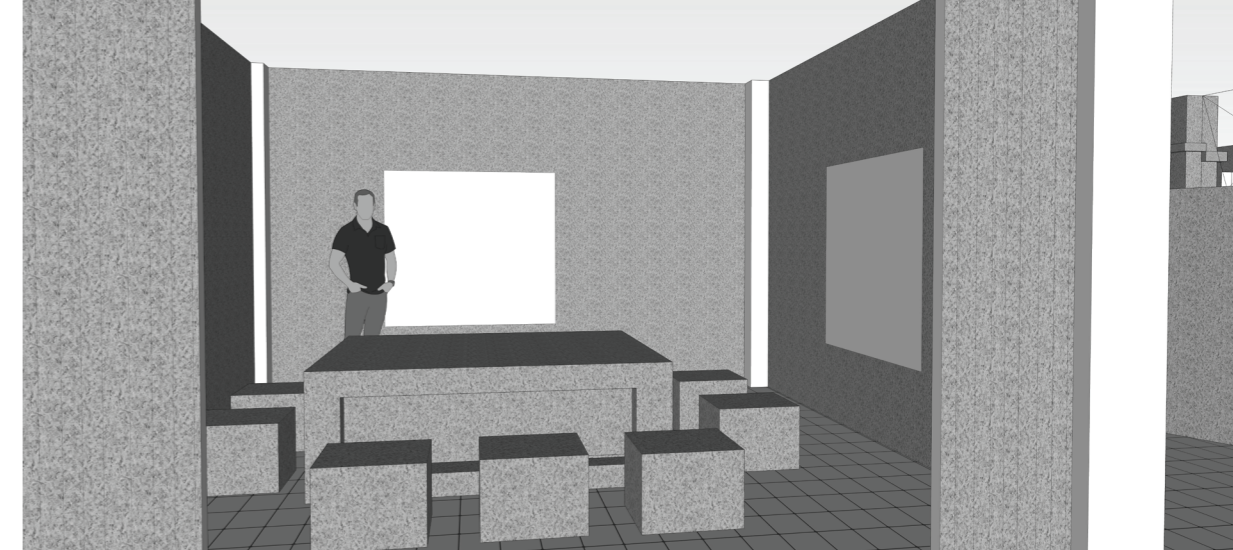
PUBLIC INDIVIDUAL SPACES

- By providing single chair with 2 sqm
- Nice and open View through the front opening
- For temporary individual user of the coworking space



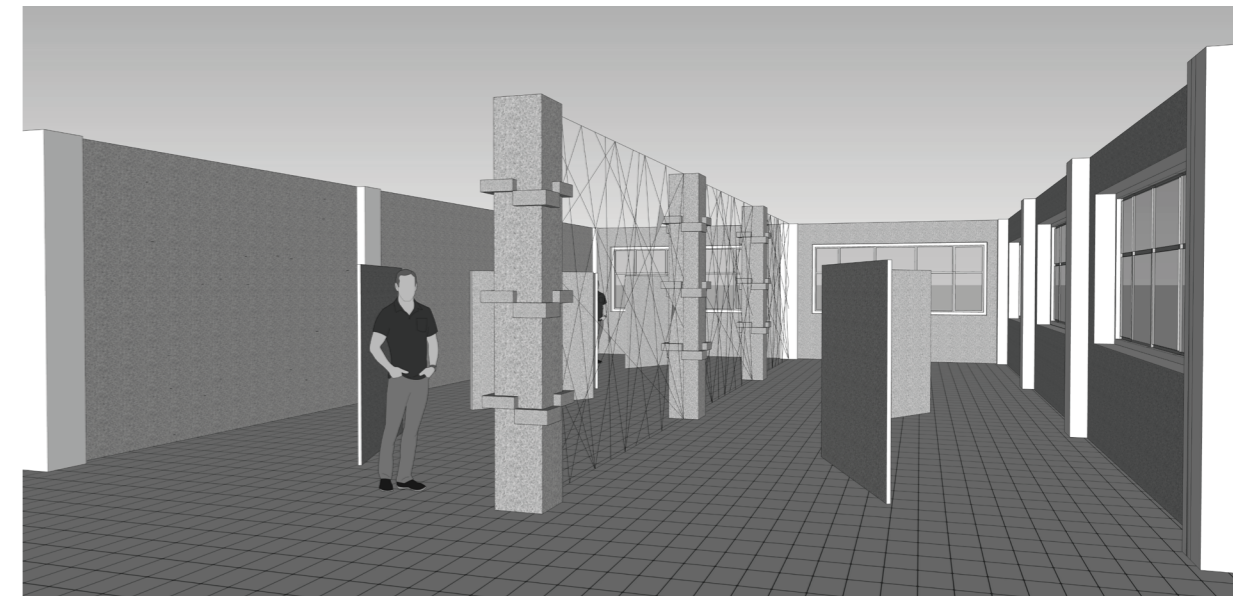
PUBLIC GROUP SPACE

- By providing the proposed furniture
- Flexible and multifunctioning
- Arrangement of the fixtures enables the users to have an open and easy space for group discussions
- For temporary Group users of the coworking space



PRESENTATION ROOM/SPACE

- Conference room furniture arrangement
- Could be used for private and closed discussion
- For temporary and permanent users

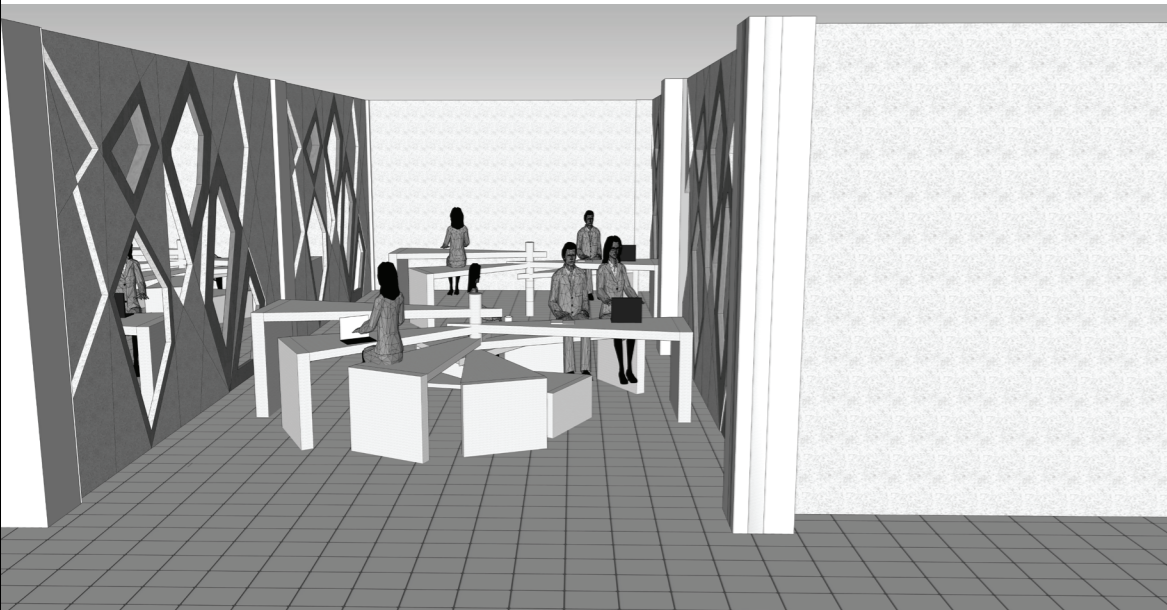


ART GALLERY AND WORKSHOP SPACE

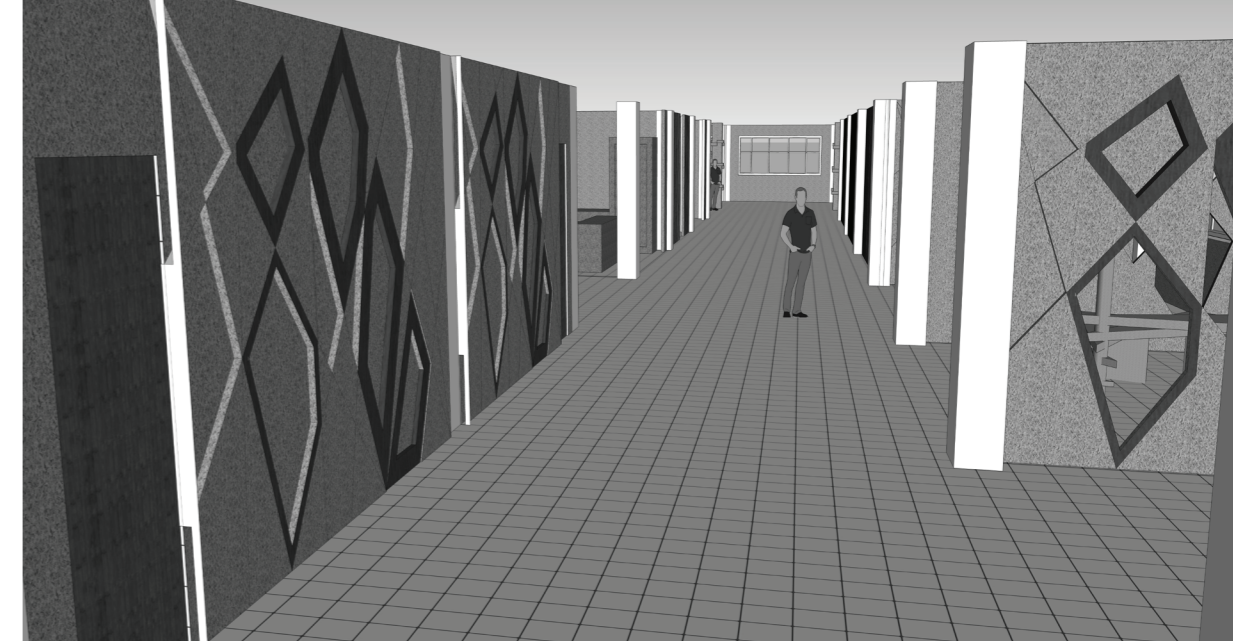
- By providing planes and strings, we define spaces, places for display
- For display artistic works
- Could be pinned at string/stick at the planes
- Planes for defining spaces and paths



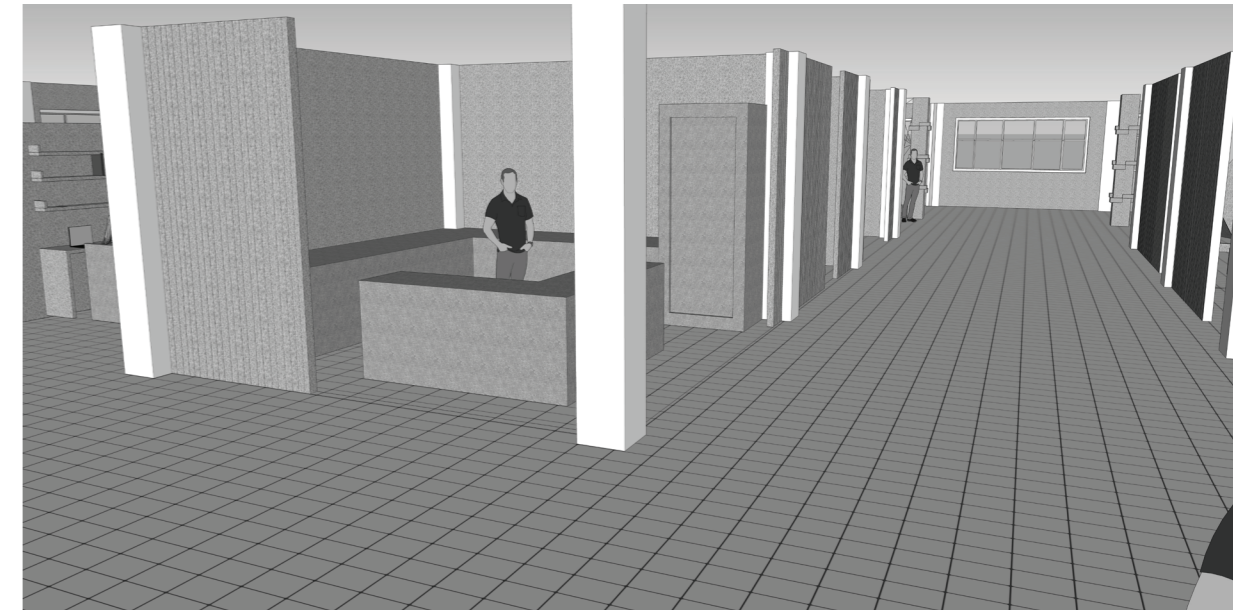
MATERIAL FOR PARTION
 -Card board with artistic finishing
 -Flexible cardboard



-Creates visual connection/semi private spaces
 -space defining elements
 -Decrease the feeling of enclosure
 -For group work/ 2 groups served at a time



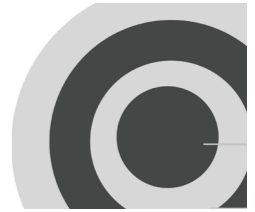
CORRIDOR
 -Long corridor/linear path
 -Well Lighted and ventilated
 -Long corridor create the feeling of excitement and curiosity
 -Walls/partion walls with artistic facade



OPEN KITCHEN
 -Self Serving kitchen
 -located at the center/easily accessible from all directions for Coffee, tea and cookies

huge space into pieces
for the easy management

optionA
gr2

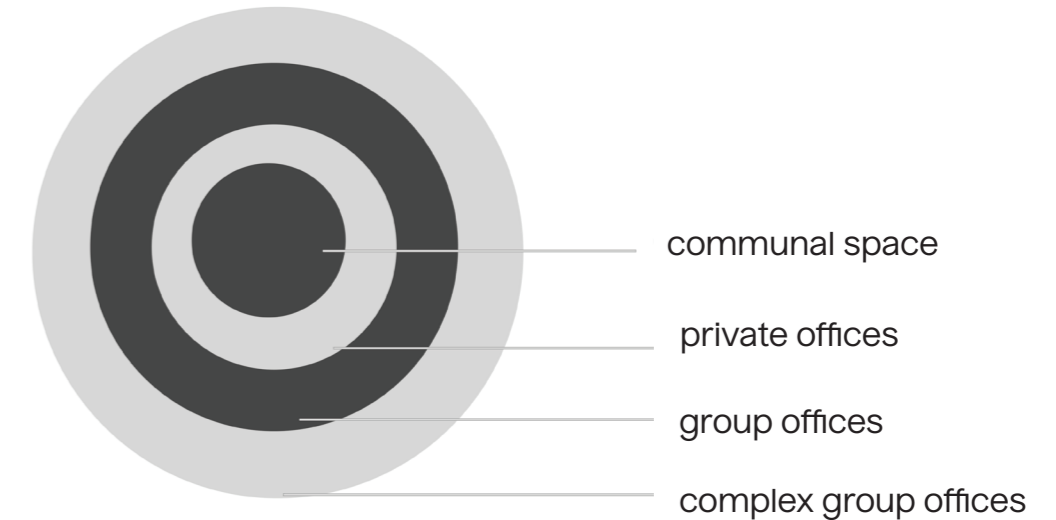


The purpose of our work is providing manageable and accessible space for the ground floor of E building, which was difficult to access due to the enormous sizes since the space was originally a factory. So it clearly does not go well with the concept of co-working office. And that emphasized another problem which is circulation, due to the fact that the only space defining elements are the columns it made circulating around puzzling.

the program functions are radiating based on their hierarchy from private to a public offices.

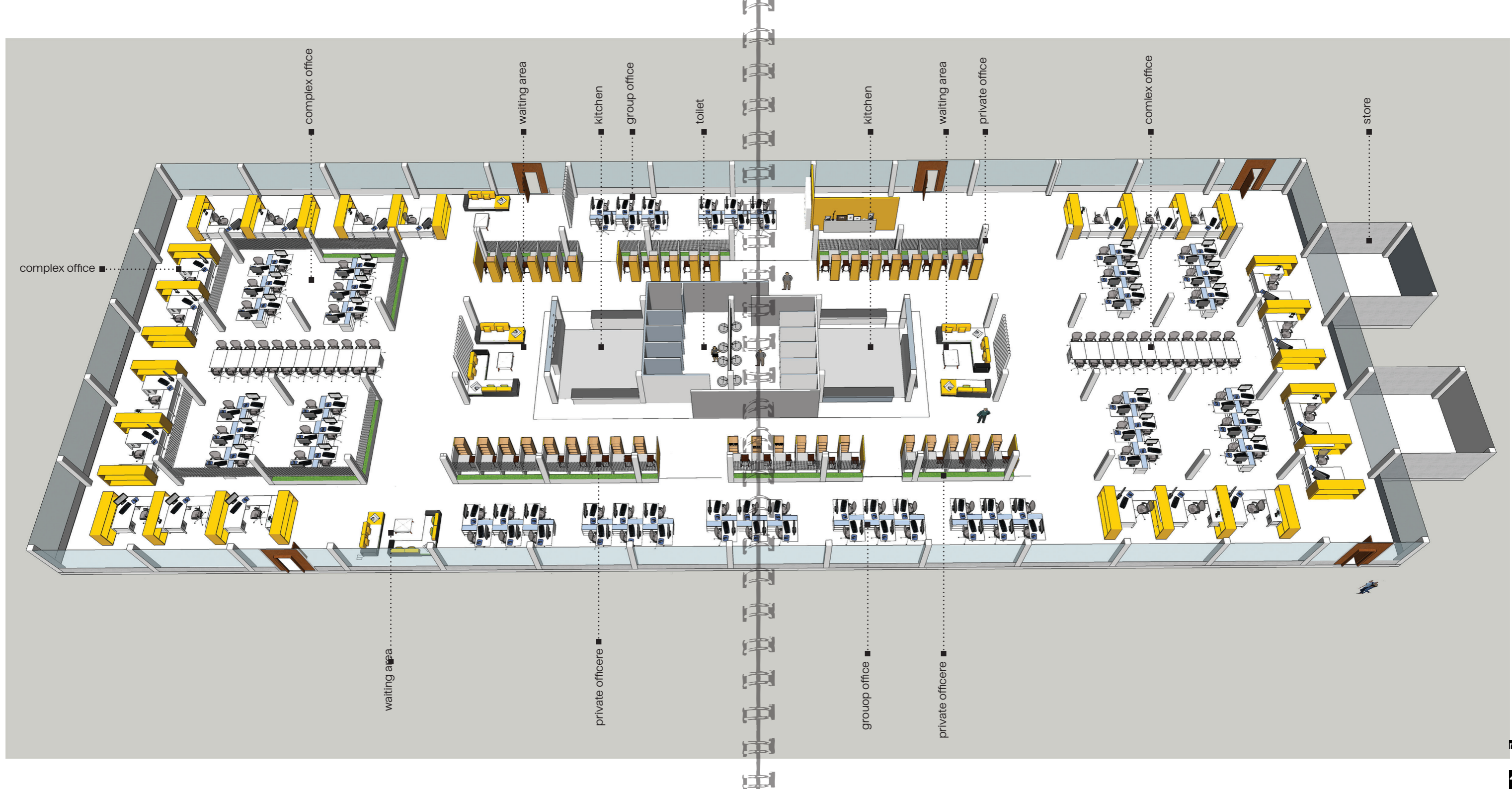
This organisation gives freedom to access the communal space.

the concept for the easy management

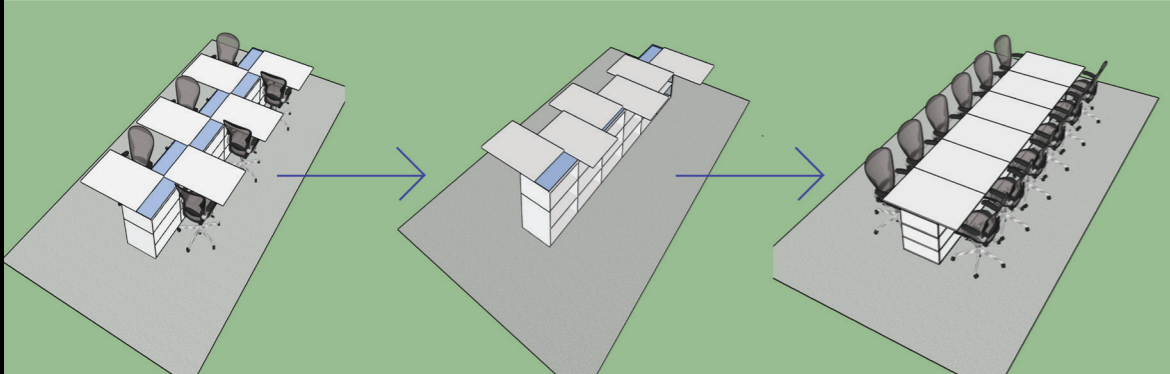


Since there are no partition walls there is obviously a problem of privacy, with the intention to fix that we tried to create an open space that is centralized around a communal space and divided them two individual parts while still maintaining the co-working space theme.

To achieve these goals, we divided the functions based on the complexity of the work. Office starting from individual offices into complex offices. For instance, the private offices are located fairly near to the communal space, and the group offices would be located to the side of the room. Communal spaces include bathrooms, kitchens and resting area. The bathrooms are located at the center of the communal space so that everyone can access it. And to the both sides of the bathrooms are two kitchen equipped with appliances that are sufficient for office workers.



the complex group furniture details



which can be used as a private office table and as the same time with the help of the each table position arrangement it can be used as group or meeting office table.

waiting areas in each office space



group offices



we orient the group offices near to the facade to provide views.
we also use partition walls to create the sense of privacy.

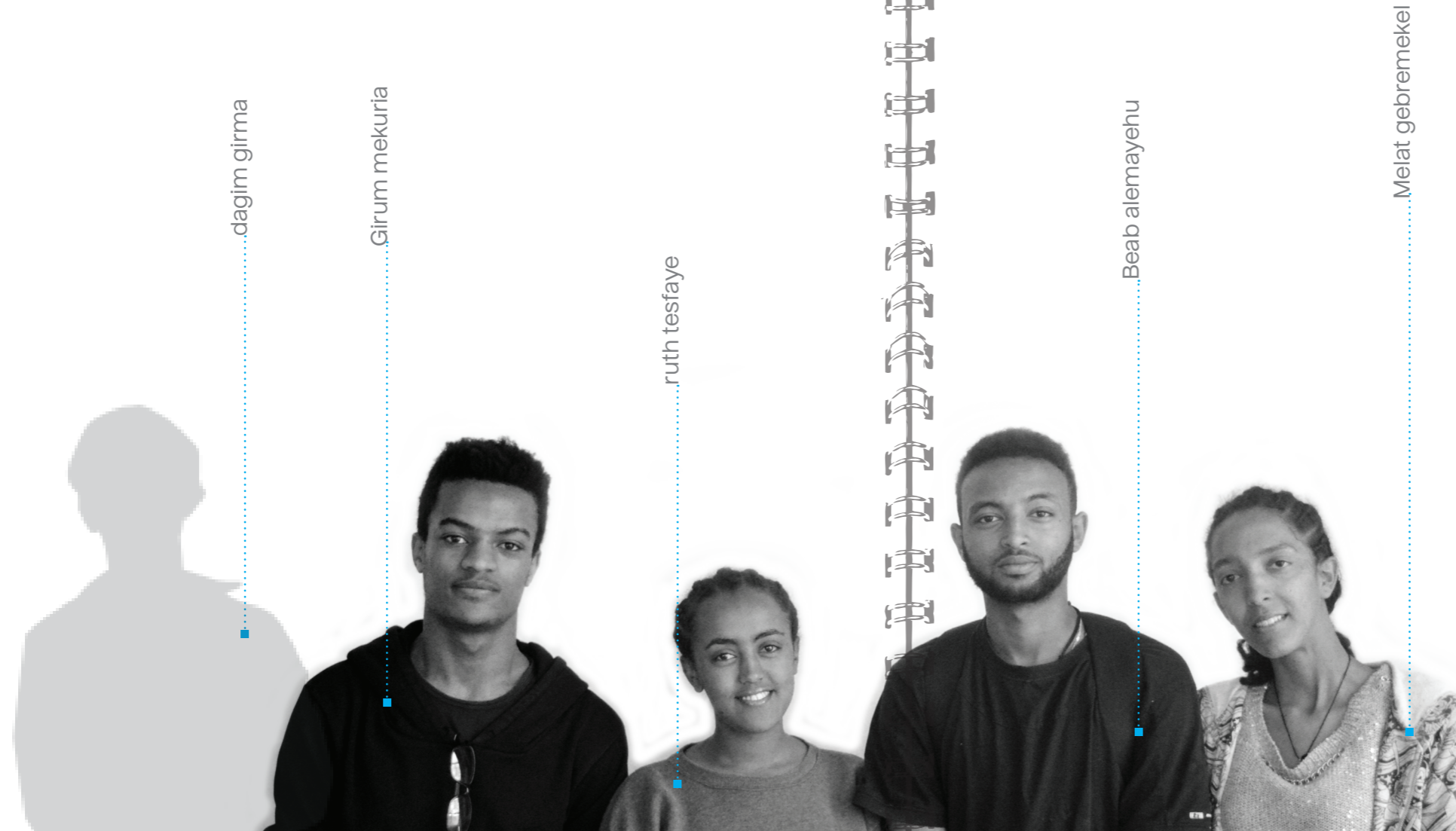
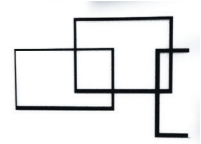
complex offices



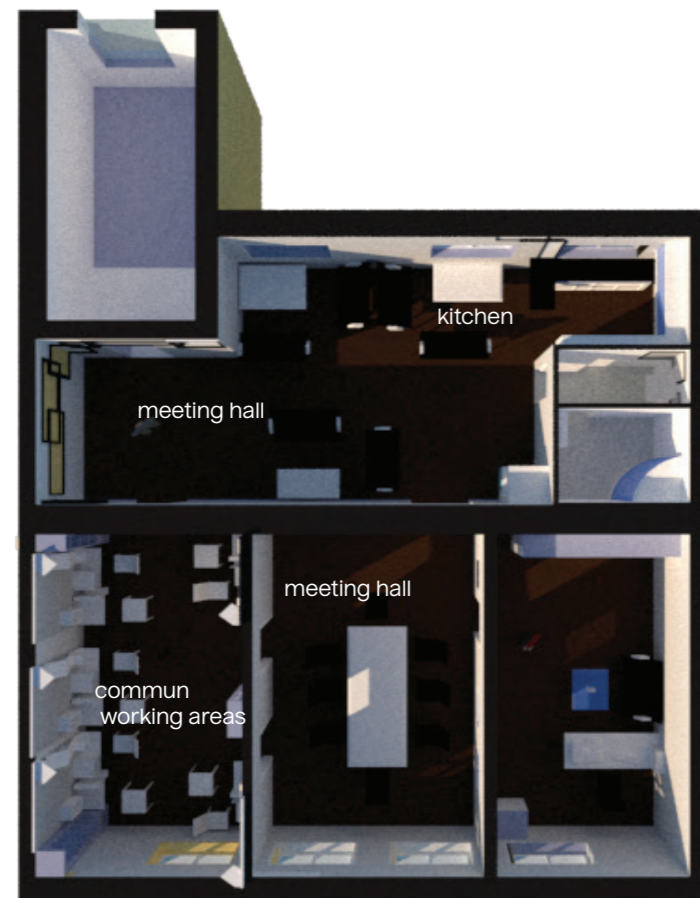
the complex offices have meeting halls in the middle of the offices. and private working spaces at the sides and also at the middle of the office.

Building- B (bilovec cowork) coworking

optionB
gr3

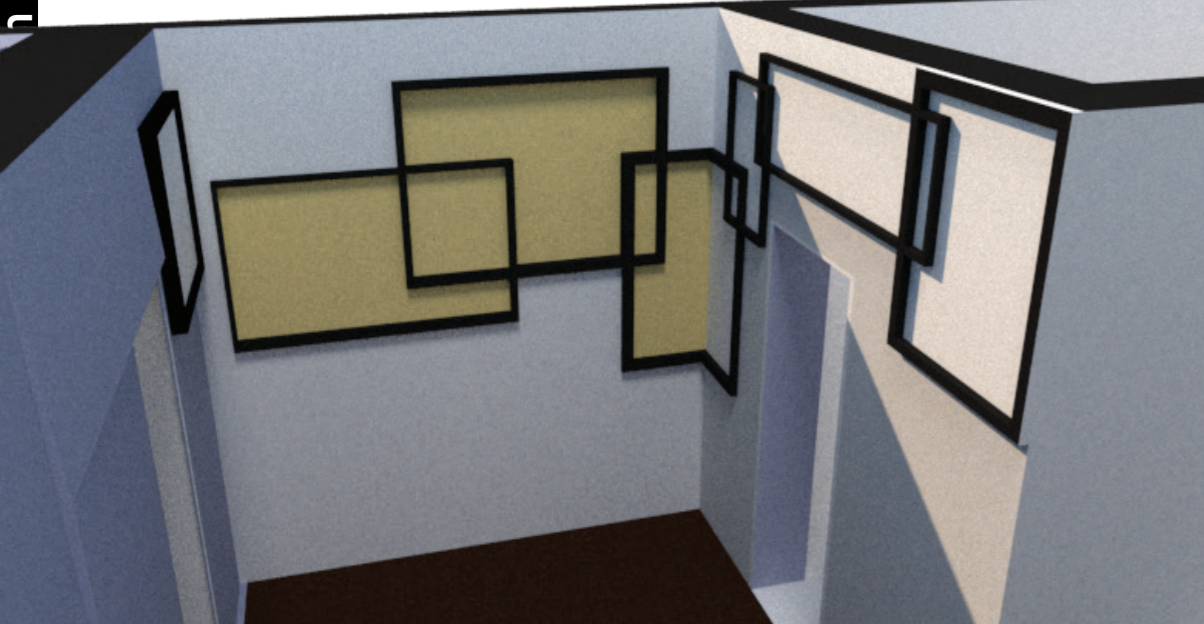


bilovec co-work, the main aim of this project was to redesign and transform an old residential building to a co-working space without exceeding the cost limitations and in this process we faced some problems besides the cost we couldn't change the floor plan (change the layout of the interior partitions) because most of them are load bearing elements. Considering this setback, we focused on designing the interior façade in a way that does not require any changes when it comes to the partition walls but at the same time makes us feel as we are in an office rather than a residential building



Conceptual approach
Our main goal was to make the rooms appear as if they are all radiating from the main (private office) so that they could give it a visual emphasis. And that's what we tried to achieve.



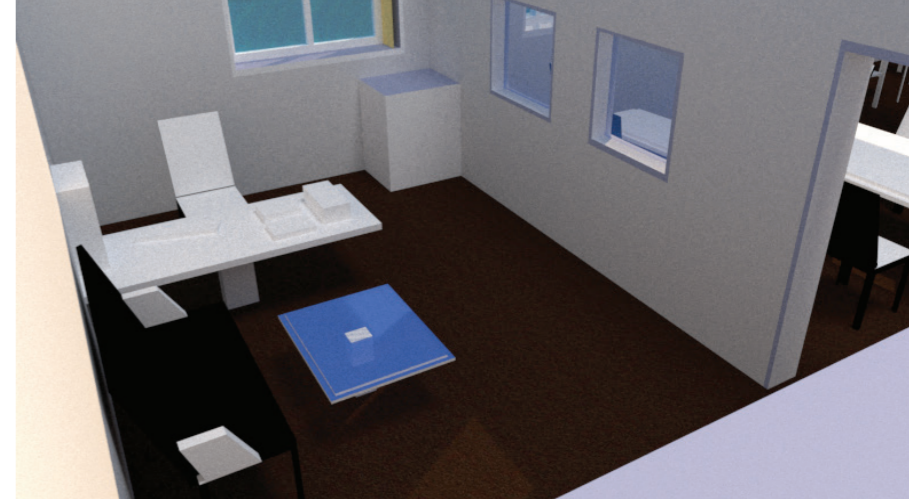


Lobby- it will be decorated with wooden frames that interlock with each other and those frames will have different shapes and sizes so that they could incorporate different sized and shaped pictures or models that the owner thinks will reflect the offices goals.

The co-working space will be the first room we could find when we get in to the building and will be furnished with planar elements



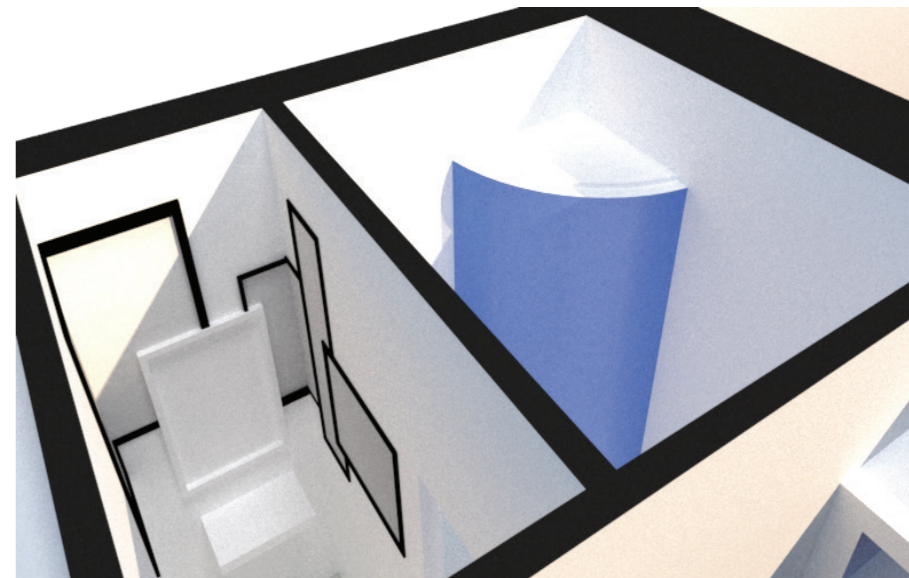
the office- based on the existing plans the office will be located in the last room that is available for privacy and safety reasons

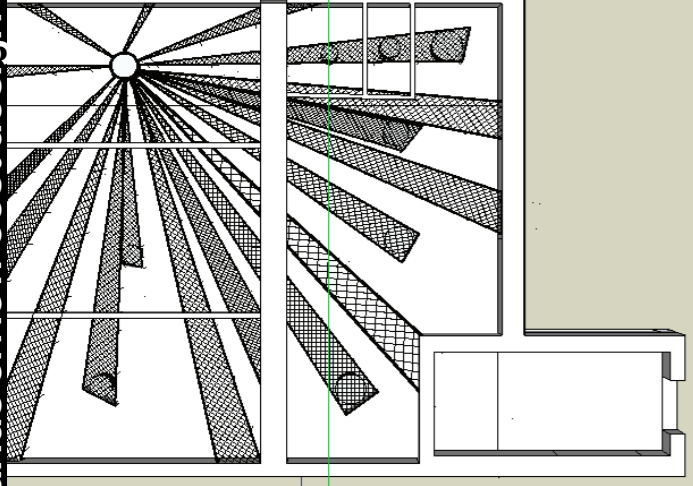


Meeting room- will be a multifunctioning room that is used as a meeting area when is needed and as an additional co-working area when there are no meetings to be held

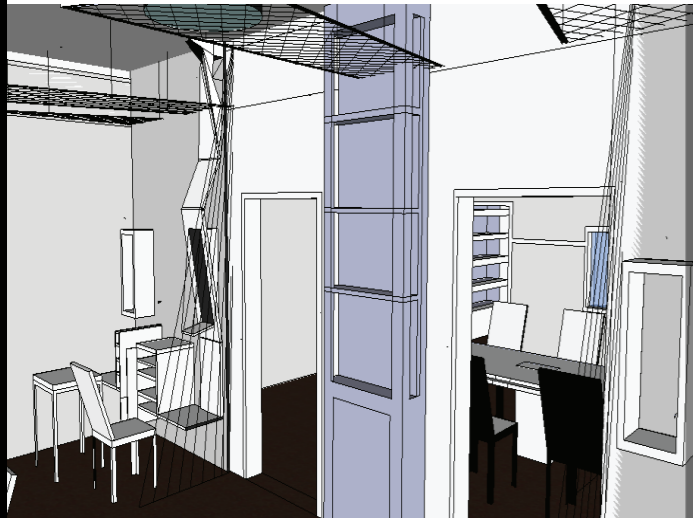


rest room

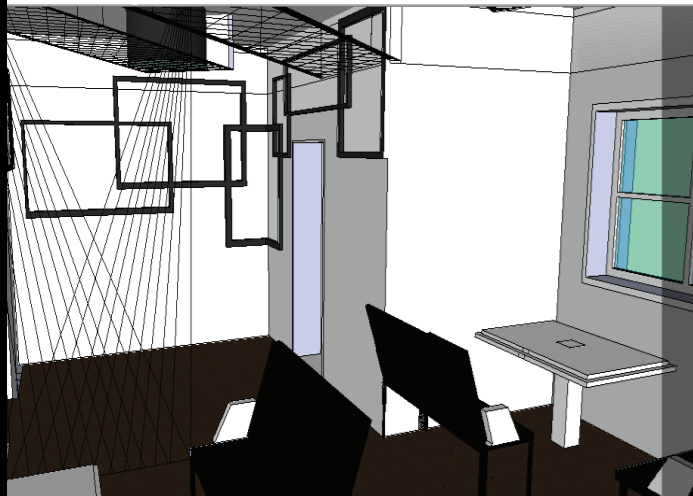




Celling plan - the false ceiling will be designed in a way that all the elements will define a specific path towards the main office as if they are radiating from it.



elements designed from strings to define one spacific space from another

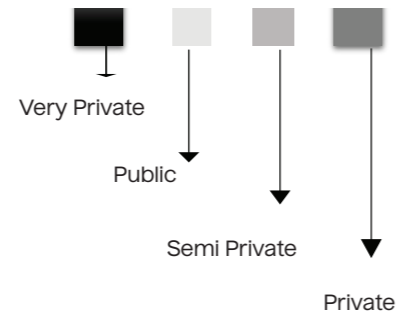


E-Building Working Space Design Co-working Space

optionA
gr4

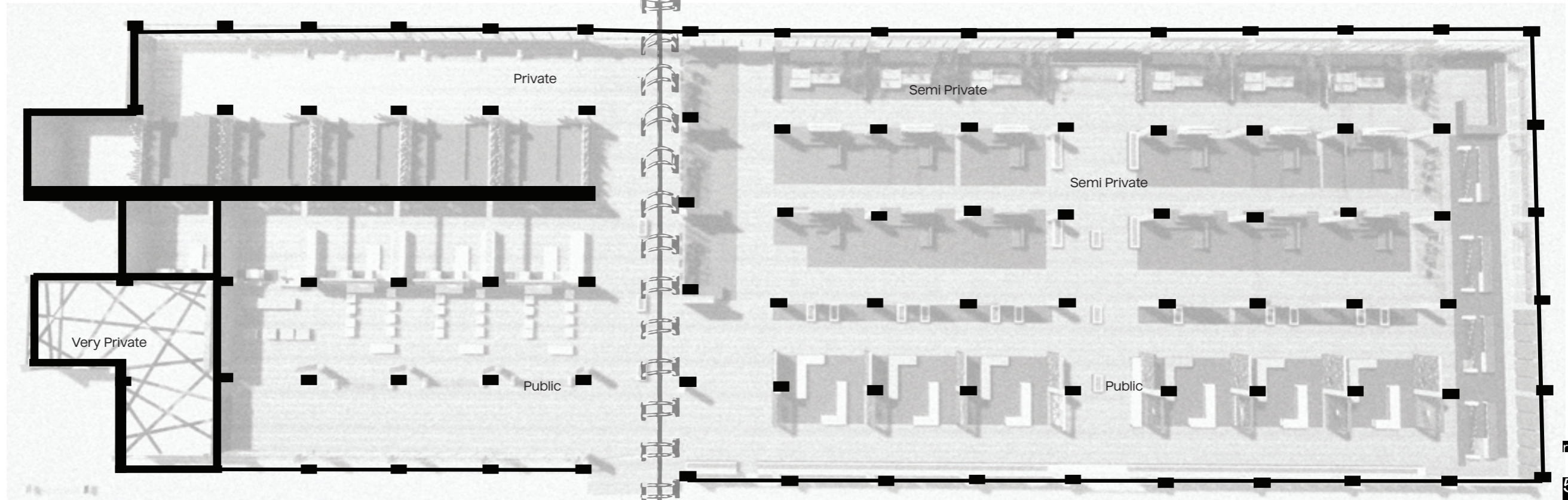


The Project of designing a co-working space in Prague was executed in a manner that increases the quality of interactive communal work spaces without sacrificing the aesthetic value. Infact, the outcome actually produced a quality functional space with High aesthetic value.



zoning Co-working Space

The concept behind zoning the co-working space was to divide the spaces in accordance to hierarchy of privacy-levels. Hence, three zones were established, namely, the private, the semi-private & the public.





The Semi-Private Zone

The semi-private zone, serves as an intermediate zone that portrays transition between the Public and the Private. therefore to ensure this effect, the zones will posses a Vague distinction between Privacy & public. The zone includes sitting areas that are situated in a manner that partially exposes the spaces to engage in semi-public interactions.

The PrivateZone

This zone is charachterized by a pas-sive interaction amog users and mi-mun seminar engagements. The zone consists Private co-working spaces ('pockets') that grant visual link from the spaces but on the other hand deny view towards the spaces.



The Public Zone

The public zone is charachterized by a dynamic environment with optimum interaction among users. The zone consists of programs that promote communal interactions at a co-working spaces' level.





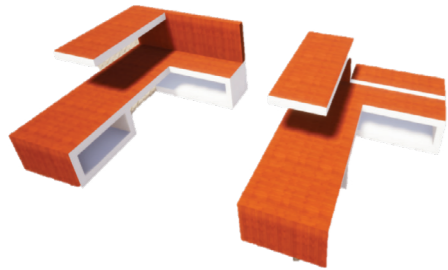
Material & Composition

The interior is deliberately flourished with contrasting and different compositions to convey differentiation of spaces created, however, to balance this differentiation/contrast, implementation of minimal construction materials is applied in the design. This in turn will create a uniform character throughout the design despite the contrast perceived.



Furniture

Furniture wise, minimalist approach was taken with quantity of material to give the space a simplistic yet elegant look. A combination of rope and wood compositions, applying different techniques will induce an ordered and appealing "chaos".



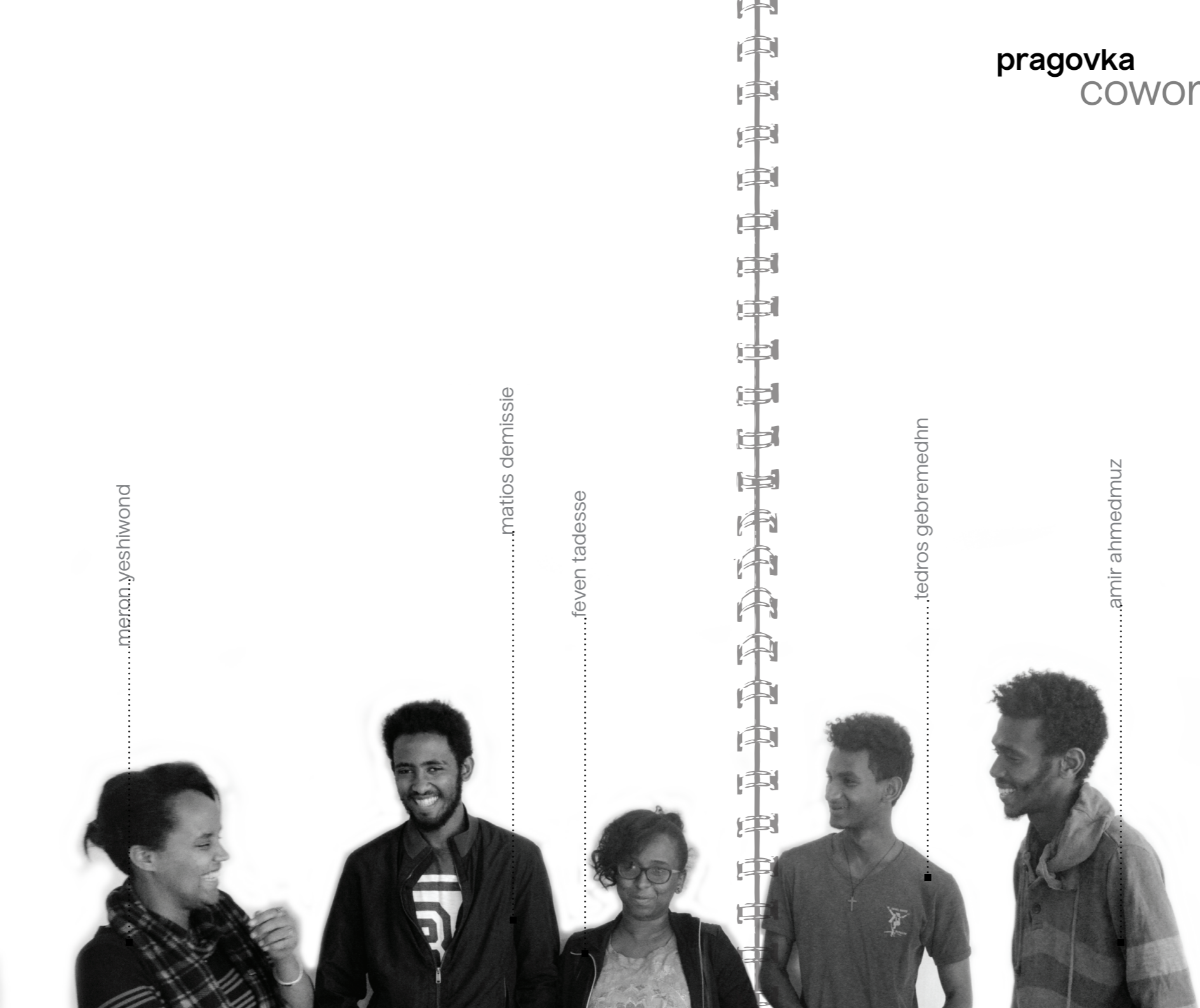
Circulation

The space is about 2000m², so the horizontal circulation is considered when designing this project. The circulation is about 36 % of the total space. we have attempted to mark the circulation area with different space defining elements so that users can easily identify the spaces from the path.



Ventilation & Lighting

This specific space is enriched with a fair ventilation and natural lighting. The partitions are made semi-transparent in order to make circulation of air fair and possible. The light passing through the partition is broken down by the vertical elements to decrease the intensity of light but at the same time creating artistically pleasing shadows that defines the space.



.....meran.yeshiwond

.....matios demissie

.....feven tadesse

.....tedros gebremedhn

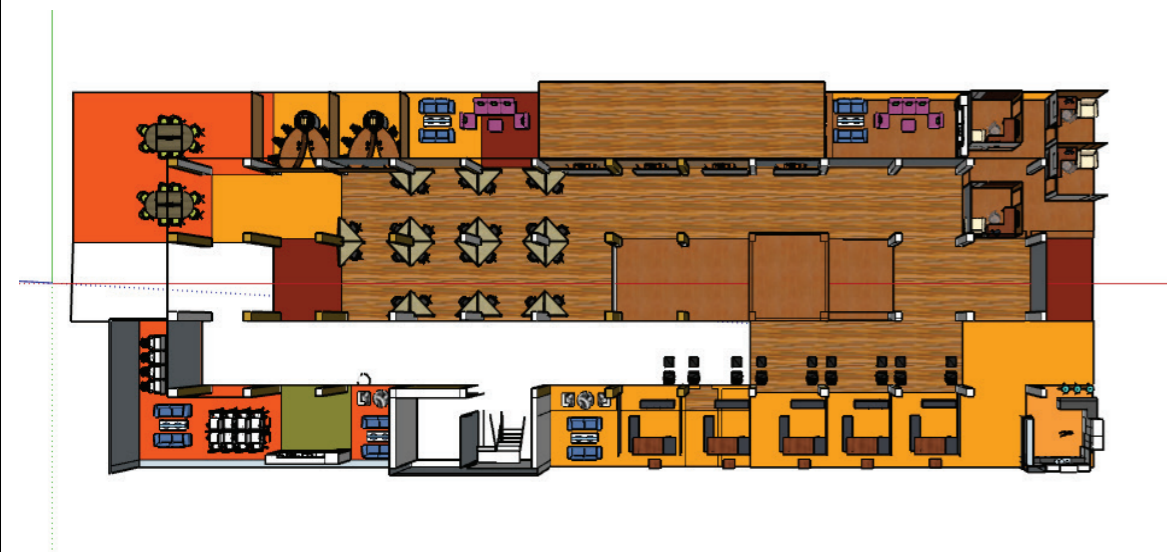
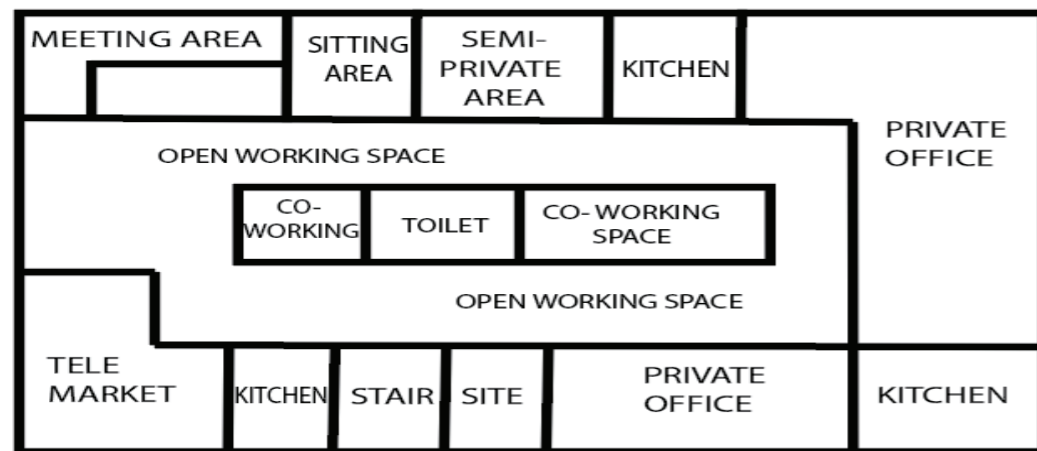
.....amir ahmedmuz

pragovka
coworking space

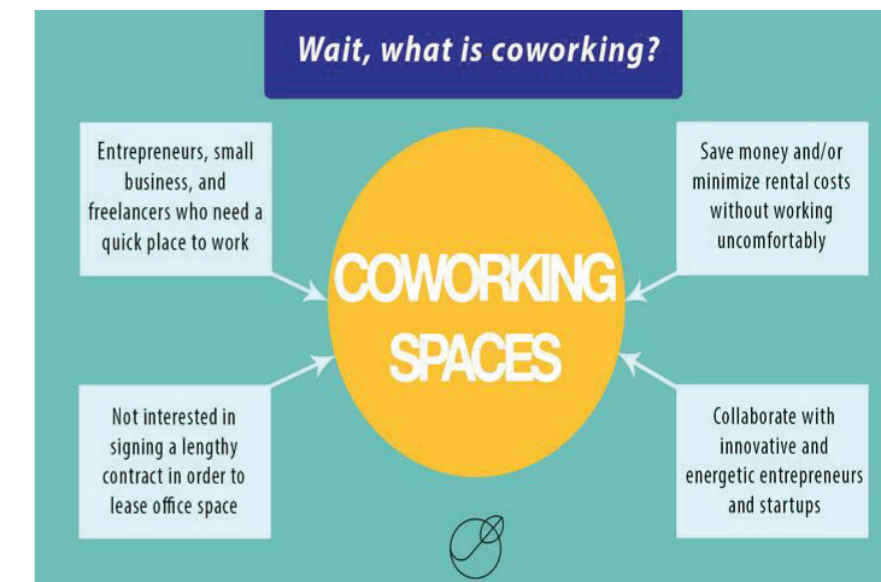
optionA
gr5

Proget discription
our project was to try to
design the 1st floor of the
E-building pragovka in
Czech Republic.we tried
to design the space from
3 perspectives
1. sound
2. vision
3. light.
we tried to create a
unique design for the
furniture we placed and
also we tried to create a
flexible environment.

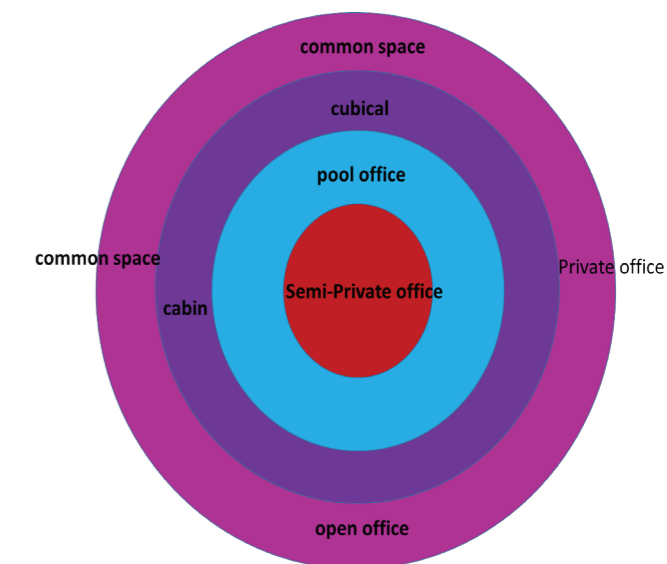
Floor plan zoning

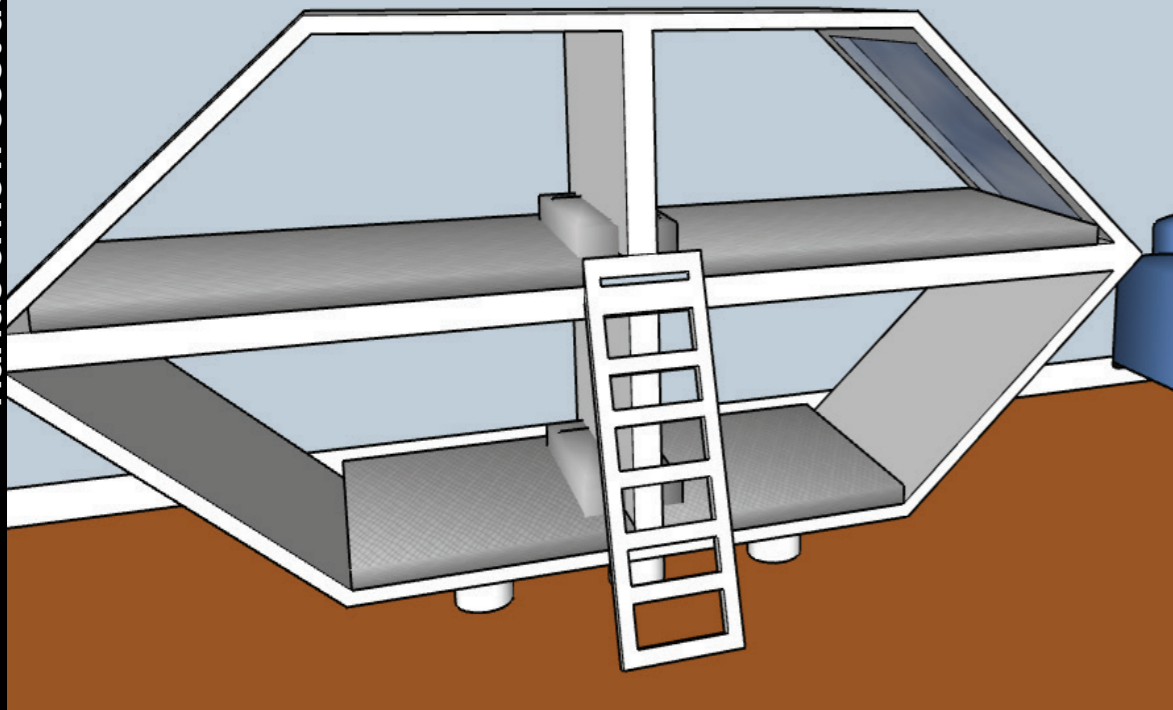


pragovka coworking space

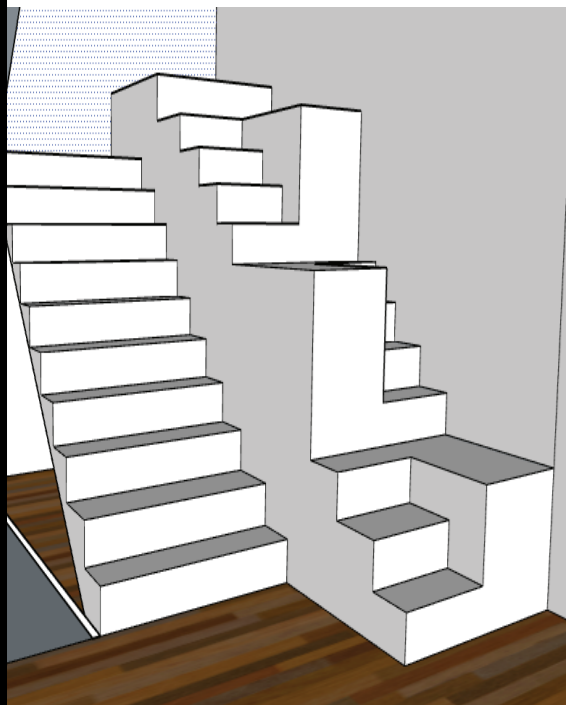


CONCEPTUAL APPROACH



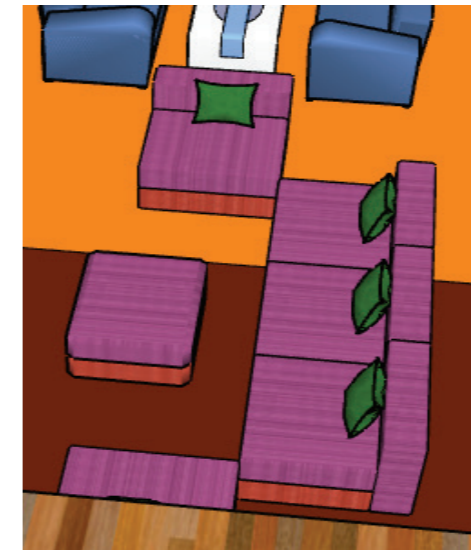


We tried to design our furniture like this one. Used as both bed and working space for all night meeting(space for Graphics designers or others) .

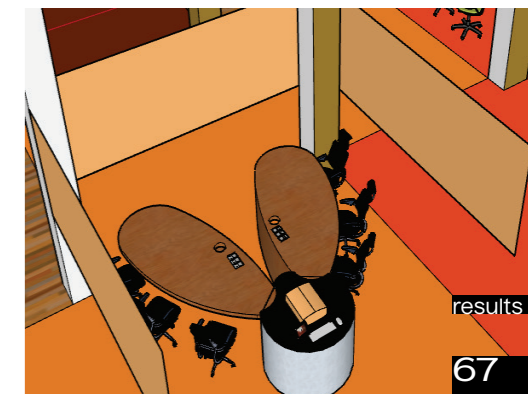
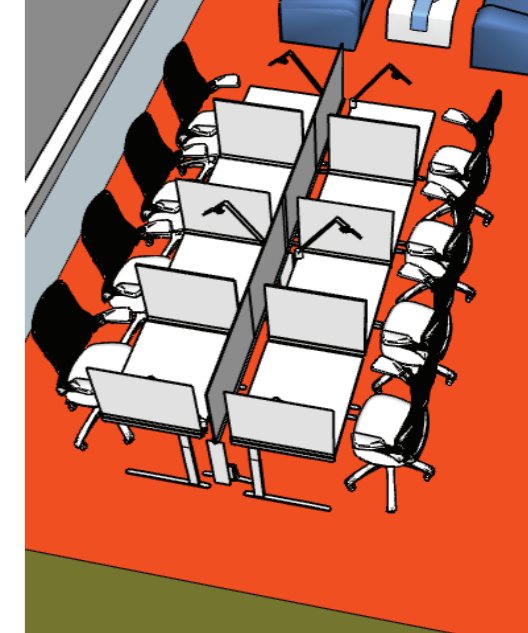


we also tried to design our stairs to more functional sitting area also might work as an open working space.we thought it would be nice to the people to see everything thats going on.who knows might be an inspiration for them.

MEETING / COMMON SPACE
We use the columns as both meeting rooms and open common space. The idea is to cover the space with sheet of when needed just like sirport security linebar. "you just clip it to the wall and then remove it"



this areas area designed as an open sitting area.this spaces are mainly designed for people whom are working on their laptop or ipod or for people sitting just to chill or eat.
this space has high light quality and a great view to the gallery.
so this space is close to the kitchen so its a great sitting spot.





Tedros gebreabzgi



Yohannes abadi



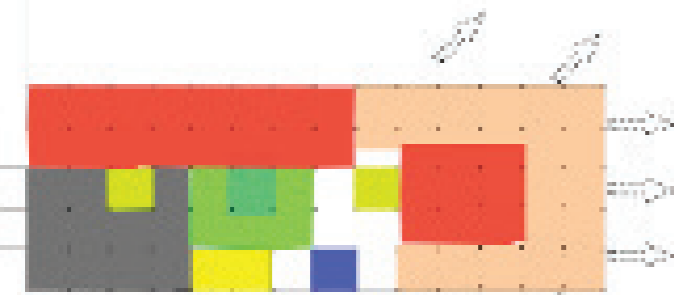
kirubel tadesse

“too big to be designed”
blur experiment

optionA
gr6



building E
“too big to be designed”
bunche of column
which litterally make
the space rigid, our
challenge begins here,
making a space which
basically blur the dense
situation of the space,
and we try to experi-
ment lowcost transpar-
ent materials.



Zoning

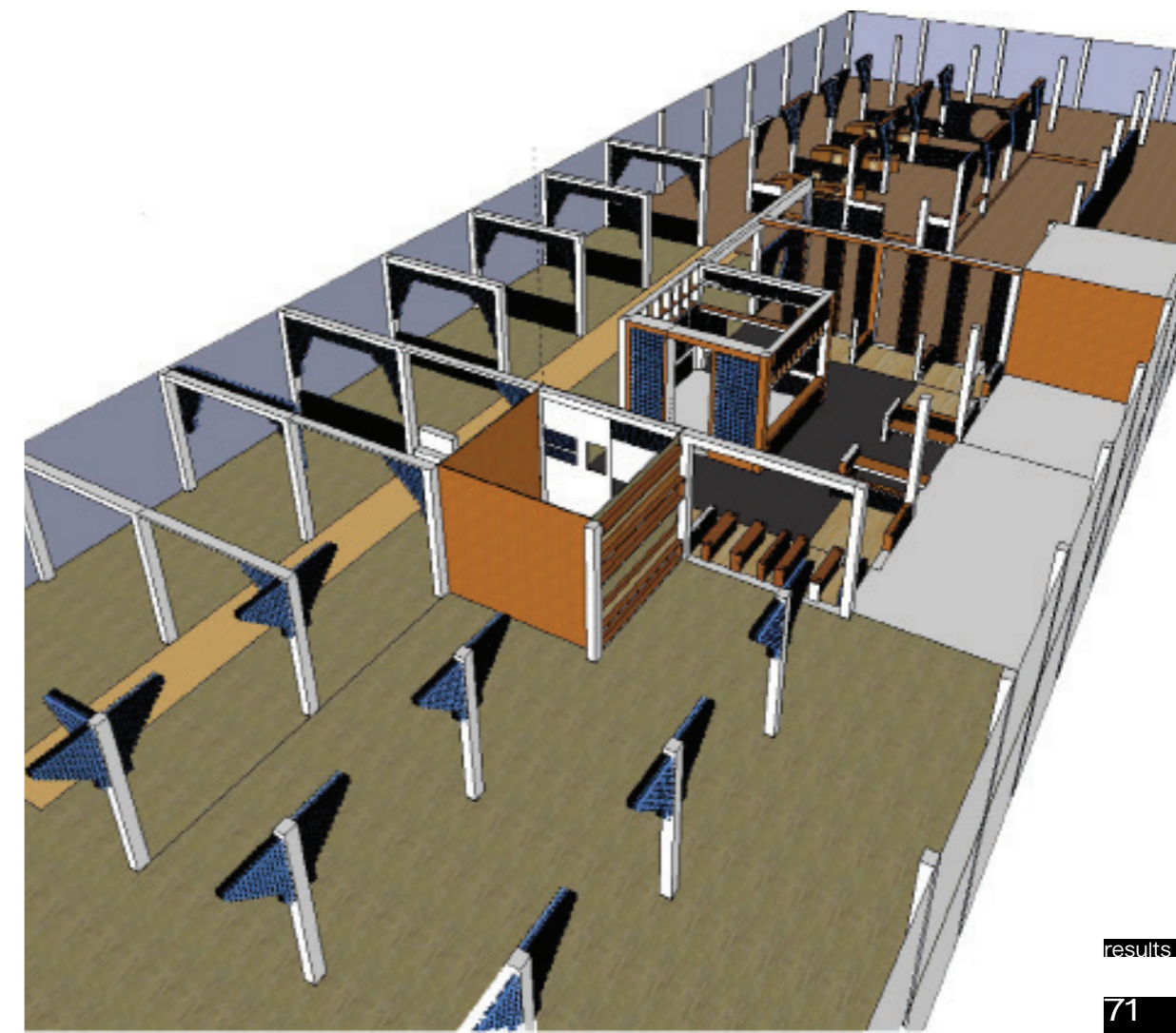
Hence, the area is too large to be designed, we try to include different programs Which can be accommodated individually or in group, So we have different spatial quality as we move from One space to the other.



Working area-which took the maximum area of the space
Toilet-two toilets to give equal access from the spaces
Night working area-an area which is dim and has a sleeping
And working spot as the same time.
Snack bar-found in the middle of the waiting and reception area
Which give service to peoples inside the space.
Admin and waiting area-welcoming customers

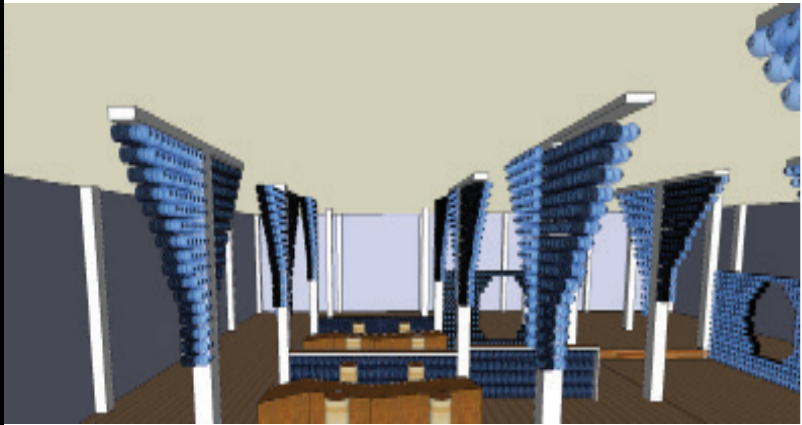
Plastic bottles/low cost material/Which we can find easily and inexpensive
We use them as a material input
And also wood frames which uphold the bottles and for furniture purpose
They have a good capability of transparency to shine the space

organisation

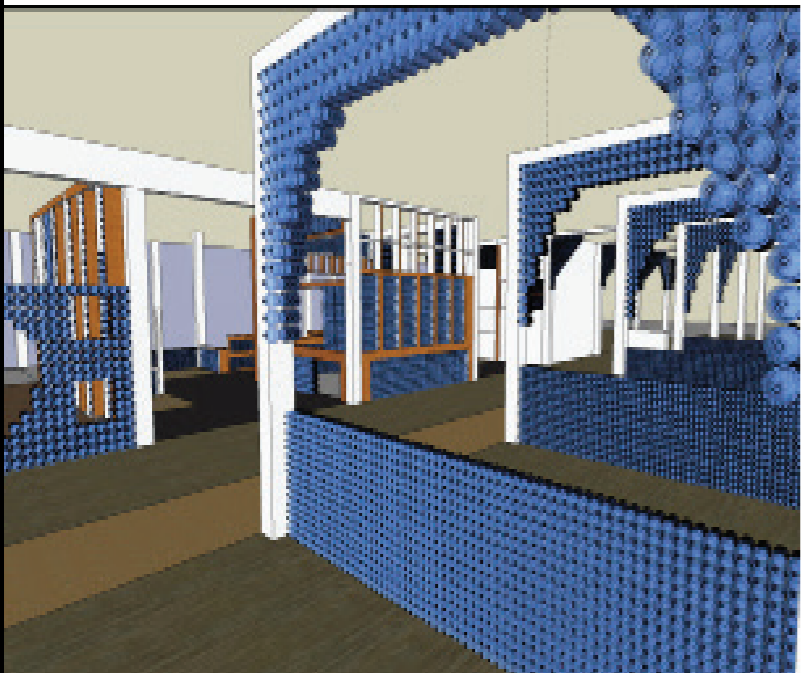




Interiors
Public space-more or less
open and only transparent
bottles
Semipublic-light wood and
plastic bottle
Private spaces-wooden parti-
tions
Each corners have different
spatial perceptions



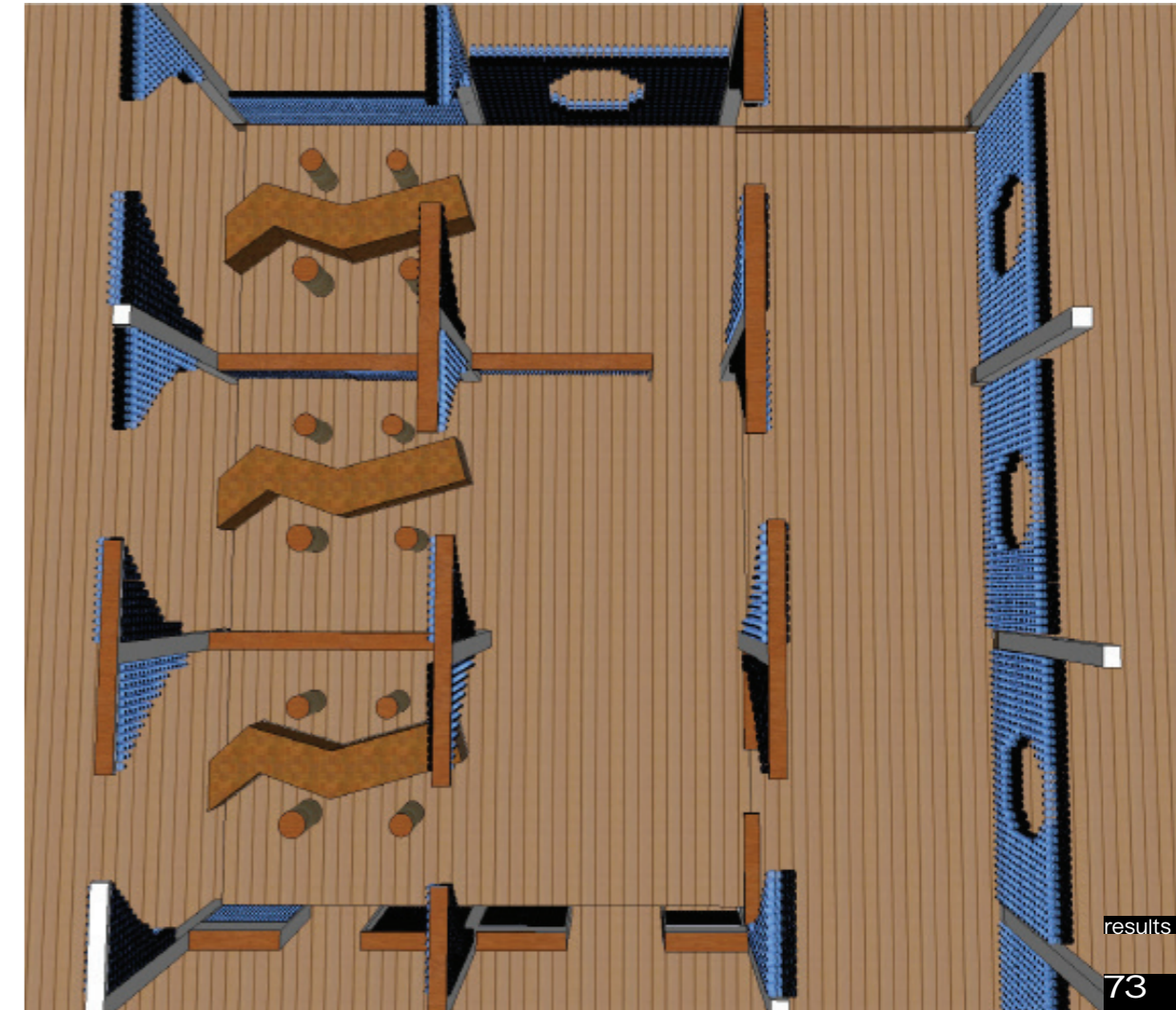
Group working area



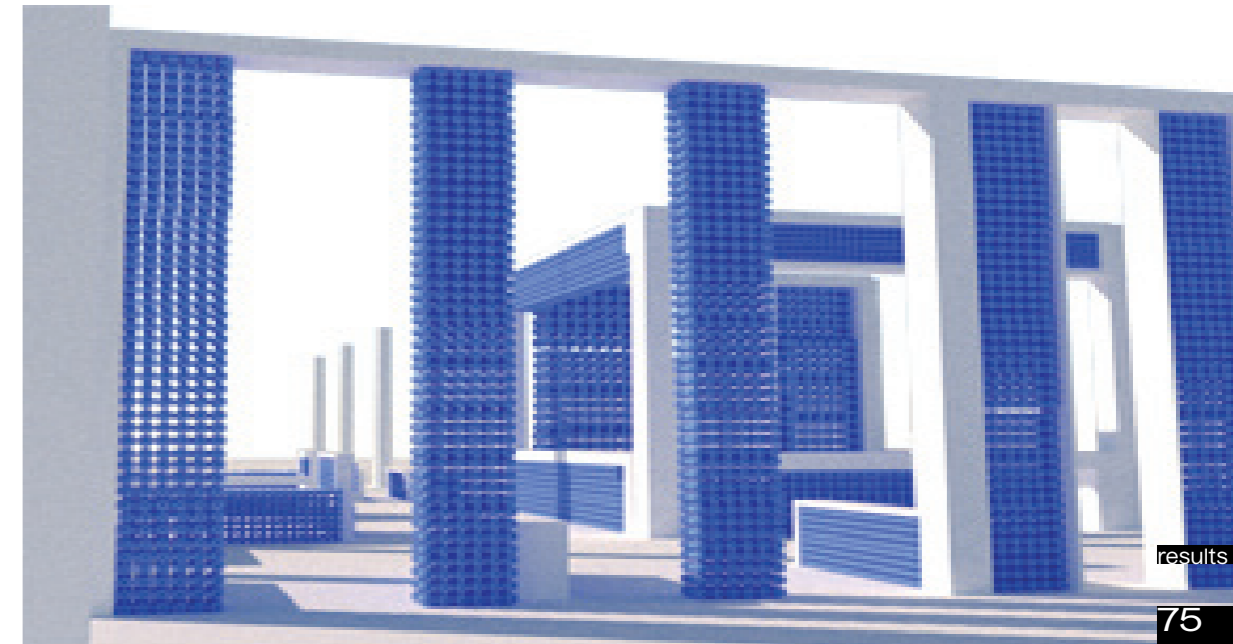
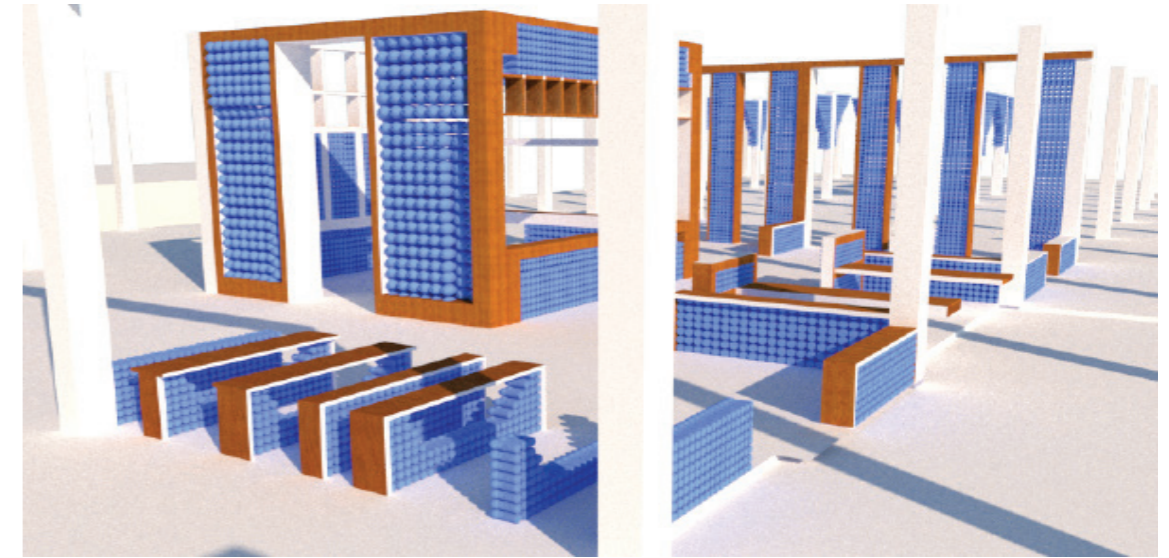
a semi private area used as a
sitting, reading, chatting...

plastic bottles in the main role blur experiment

group working area
or team working spot

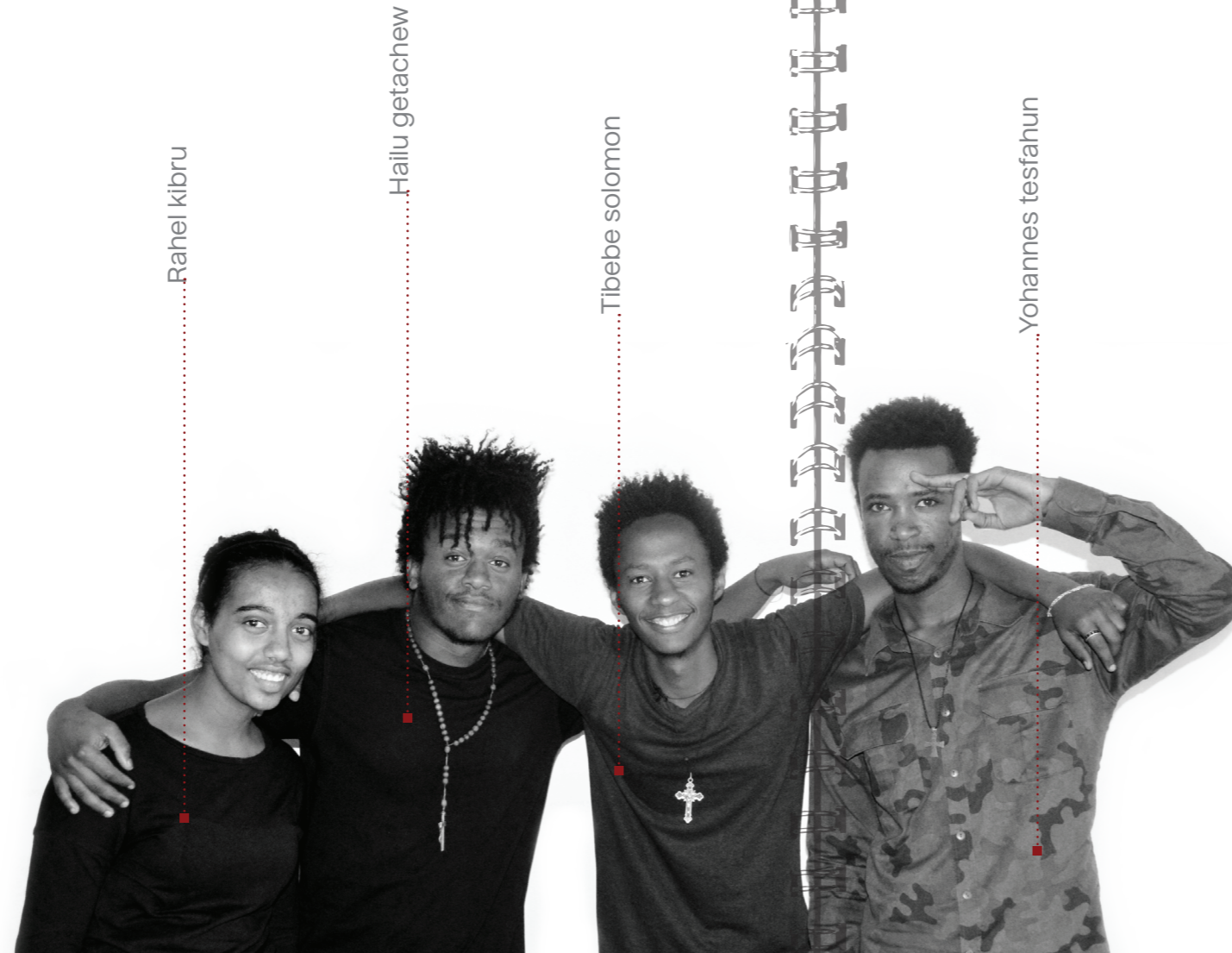


transition between the public
apace to the semi public space



invicibles

optionA
gr7

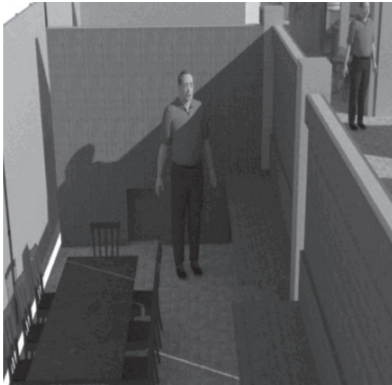


E- building,pragovka

the design was intended to reconstruct the E-building interior to be co-working space.and what we tried to do in the design is more of a dynamic space that could interchange in any phases possible in any case we can re establish the design in our desire

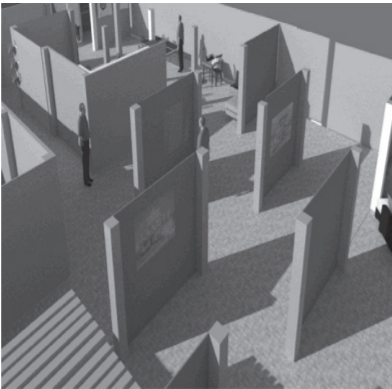


the building was a first designed to be automotive assembly but through time change the space had been also used as an artexhibition center, car concert but the space gives only an temporary space so used that idea as a conceptual space we didnt want our space to lose that idea



All we put on our design are movable and socket kind of furnitures so that in any case if the space is needed for any purpose it will be moved out of the building and in the working areas we have a partition wallbord that can be monitored with our hand to any space

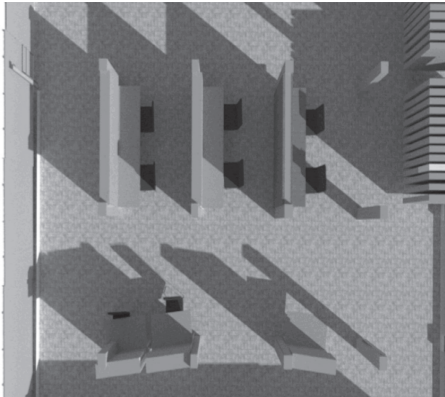
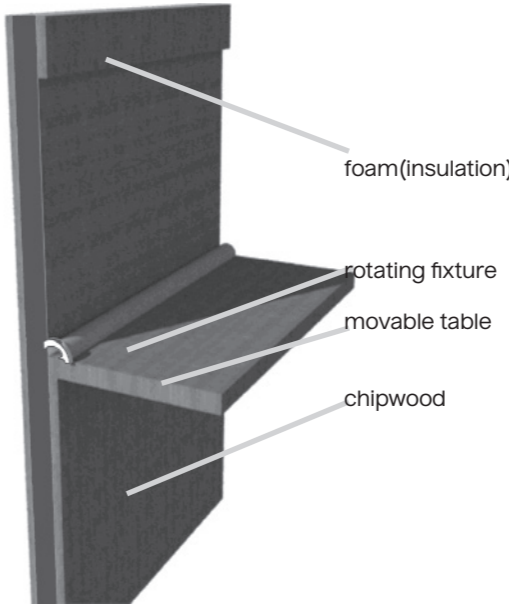
users have the freedom to manipulate the space as they want and creat a working environment so in each day we have different users we will have different composition of partion walls we have different scenarios to put the partition wall



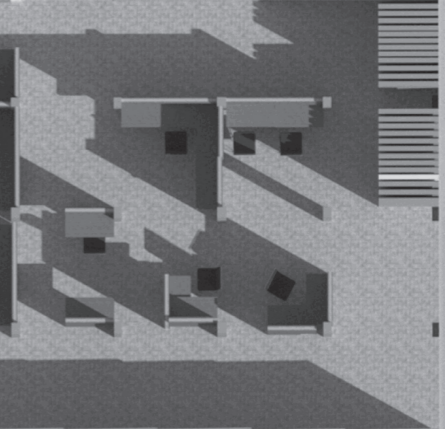
we have different zones in the space we tried to divide them into four
1,handcraft and artifact working space (handwork)
2,transition zone
3,display zone
4,visual works

the handcraftzone is zone that are more of integrated wil practical analysis like working models,jwelleries,pottry that are done with mud when we come to the transition space we have gathering space that we could chat with peoples and also play games lke chess ,table tennis,dart and on the display zone we have wall-boards that we can hang projects photo and the fourth is the visual works are like reading , computer aided designs , internet spaces the

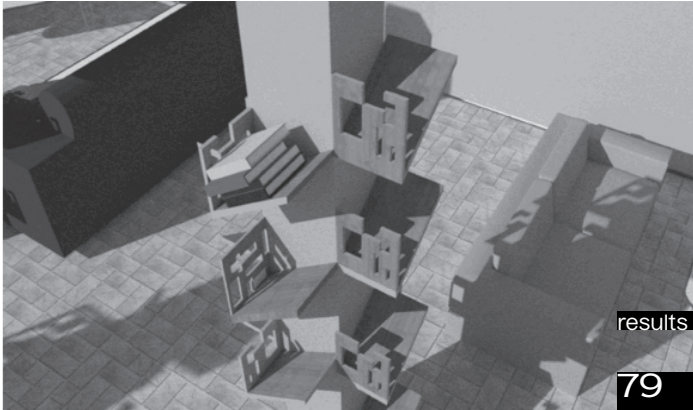
in the design analysis we have figured out that there will be a street that pass infront so we will have noise so in order to maintain that we made the partition walls to have insulation materials like FOAM that is plastered with chipwood in both sides this will help the walls also to be lightweight so that when we move them from one to another they will not be hard . this partition walls will be braced in the bottom with a small ball that will help to move them



the existing spaces were the room beside the stair case so we changed the room to a locker room so that we wont hae a privacy issue users that comes to this co-working space have freewell to design there own working space and when theywork they can also refresh on cofee and game area so will share ideas with other users and can read refreshingly with coffee



this are the list possible way to move the wall boards we can re adjust them in many ways this are to show the flexibilty of the space in co working space the materials we used are not that hard to find and they are recycledchipwoods and foams the shellfs on the reading zone are created to see the column as functional elements ratherthan structural elemnts



pragovka
multifunctional

optionA
gr8



kibreya tetemke

Nebiyu solomon

selam amdebrihan

amanuel abraham

Throughout the workshop we had two projects. the first one was to design a string work on our lobby. The second project was to design a coworking space in an existing hall of events in E-building.

concept multifunctional

concept
our idea or concept is to
integrate the different di-
versities or different func-
tions into one component.

Co-working Space

When we created the co-working space, we thought of making a working environment that can handle the diversity of the people that work there, since co-working spaces are characterized by the varieties of people that work there. This is to say that, in co-working spaces people tend to gather from different places of the world and have different jobs. So our design was based on the theme "Diversity". To illustrate this, we designed the offices based on the privacy levels and types of functions. Based on privacy, we classified the spaces as private, semi-private and common spaces. Whereas on the basis of function we classified them as management offices, offices for teams and ordinary offices.

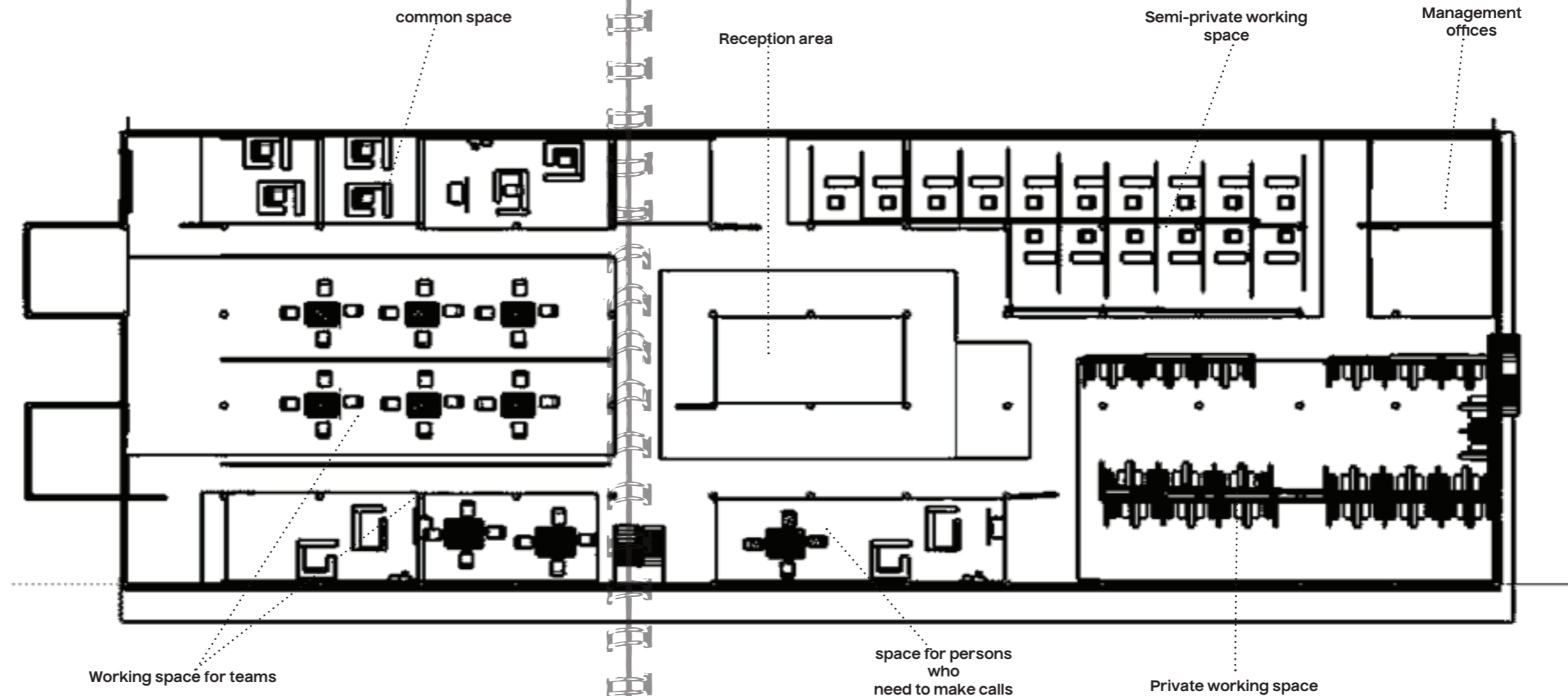
In the semi-private section of the co-working space we designed it to be, as its name indicates, semi-private. We attained this sense of semi-privacy by using cheap wood made horizontal patterns that make the individual offices to be around 50% covered.

In the private offices we created a working space that require a lot of privacy and low amount of noise.

The common spaces are for the staffs of the co-working space to have a, for instance, coffee break and other common things to do.

There are two offices for management and are a bit wider than of those the ordinary offices.

The ordinary offices are somehow optimized spaces suitable for the digital nomads to work on.





This space is provided for people who work in teams. As we can see from the picture, the space in here is defined by the column in the centre. people can gather around this space and utilize it as their working space.



This space is designed for private working spaces, so there wouldn't be a visual or sound disturbance.

This space was designed for semi-private working space.

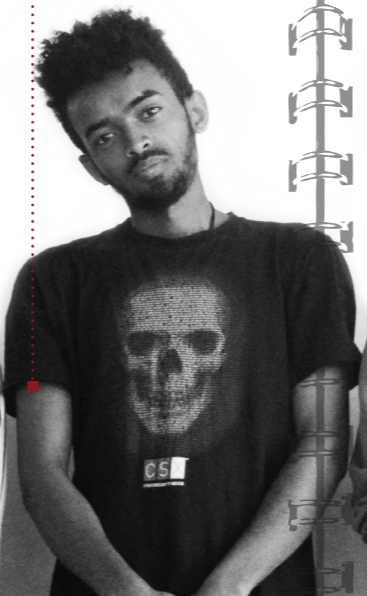




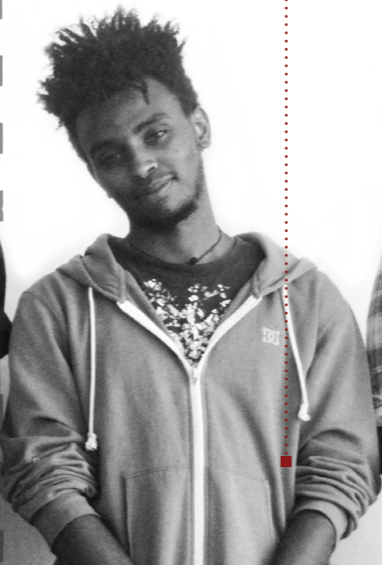
Firaol abdujelil



Melat ashenafi



Alazar mengesha



Amanuel abebe

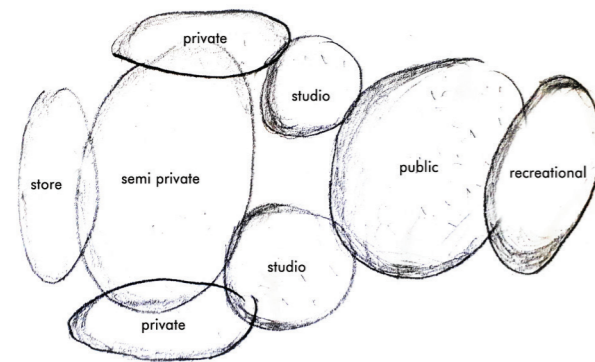


Hanna negalligne

unknown instinct

optionA
gr9

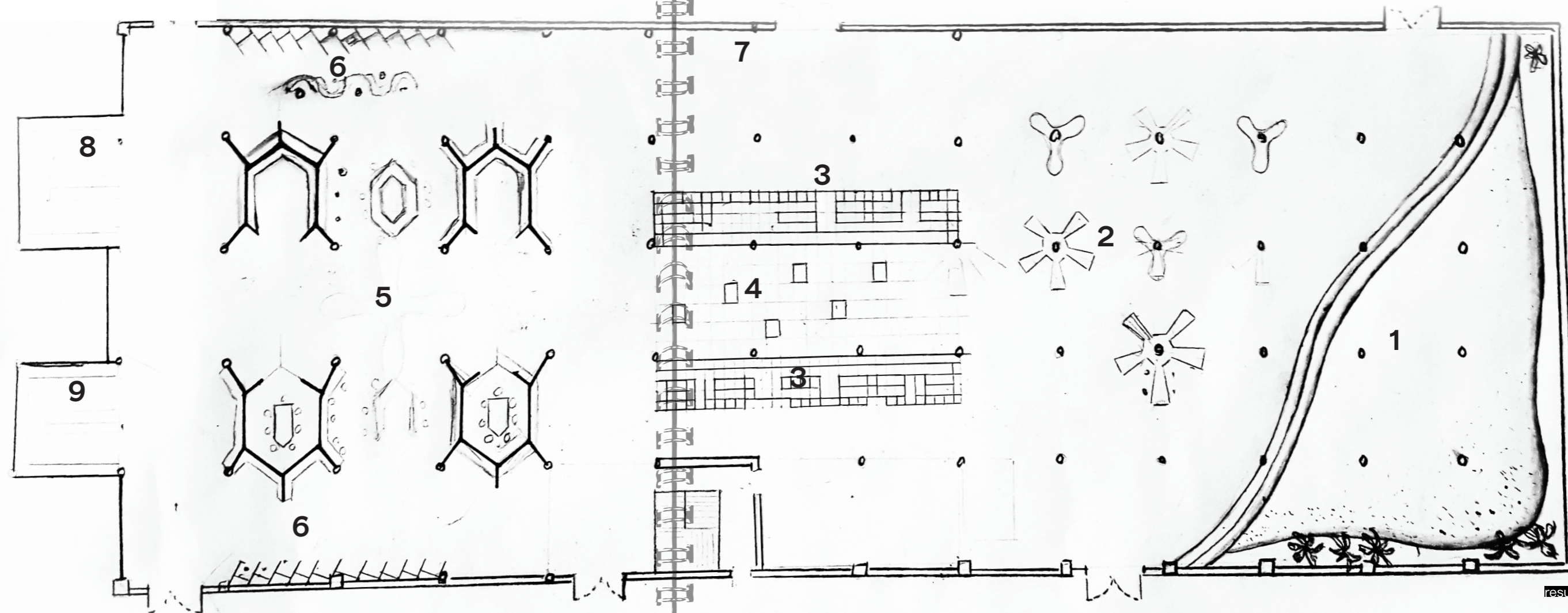


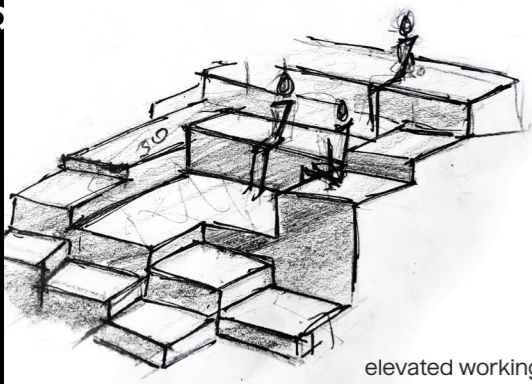


The main idea is after developing the program for the space zoning it as public semi-public and private space base on the circulation and some spatial layout of the space z

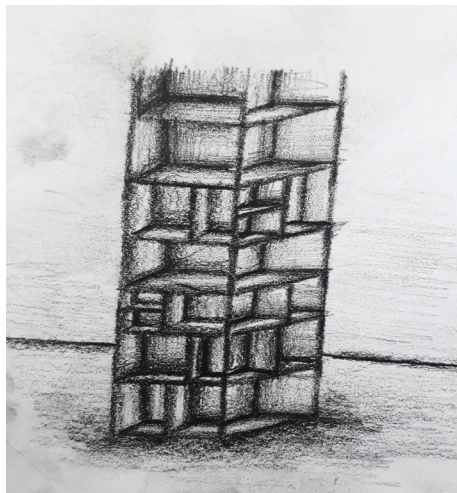
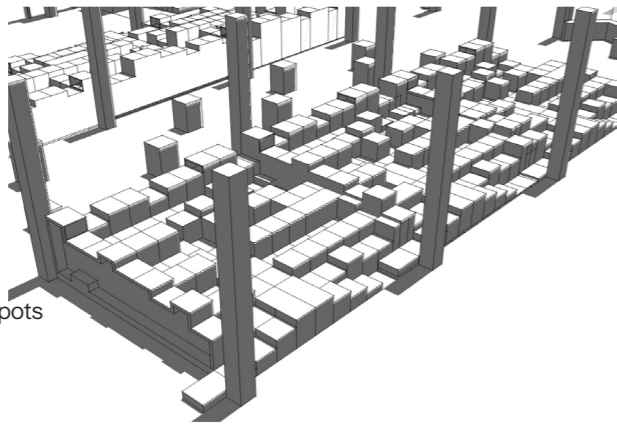
organisation

- 1 RECREATIONAL ZONE
- 2 PUBLIC WORKING AREA
- 3 ELEVATED WORKING AREA FOR GROUPS
- 4 DISPLAY AREA
- 5 MEETING AREAS
- 6 PRIVATE WORKING SPACE
- 7 STUDIOS
- 8 REST ROOM
- 9 LOCKERS



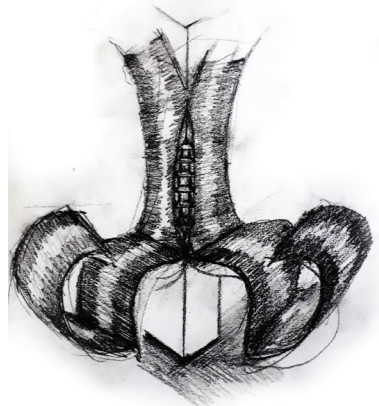


elevated working spots

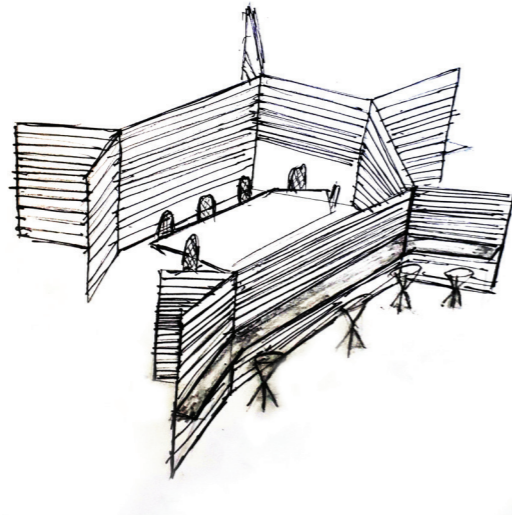


the columns used as shelves for books and other working instrments

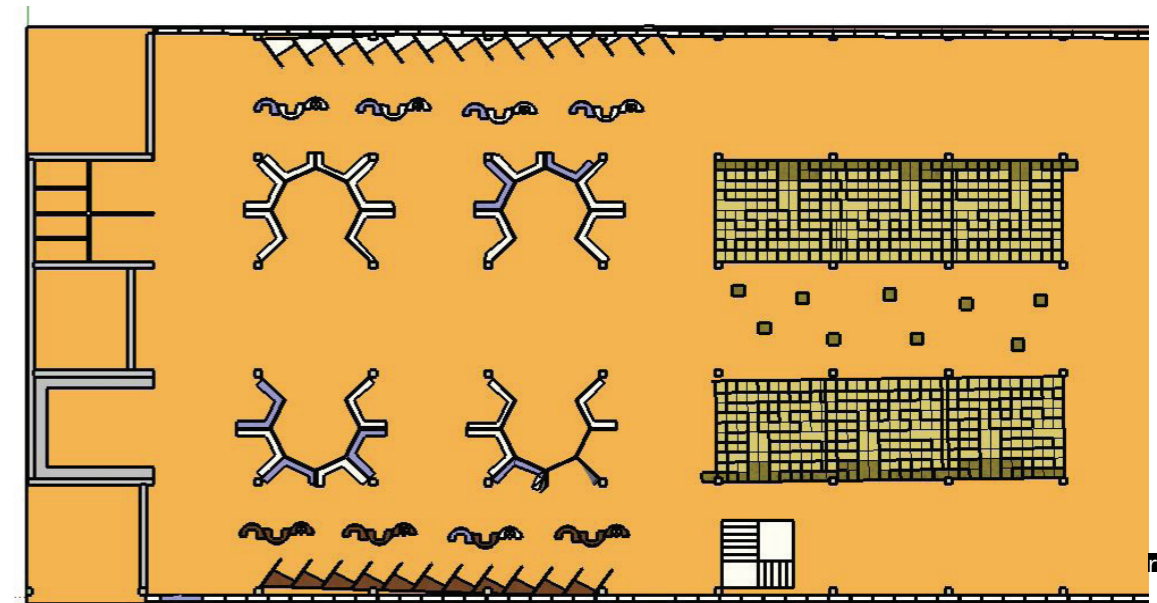
some columns in a common area are used as sitting places



private meeting room inside and the exterior for personal working spots



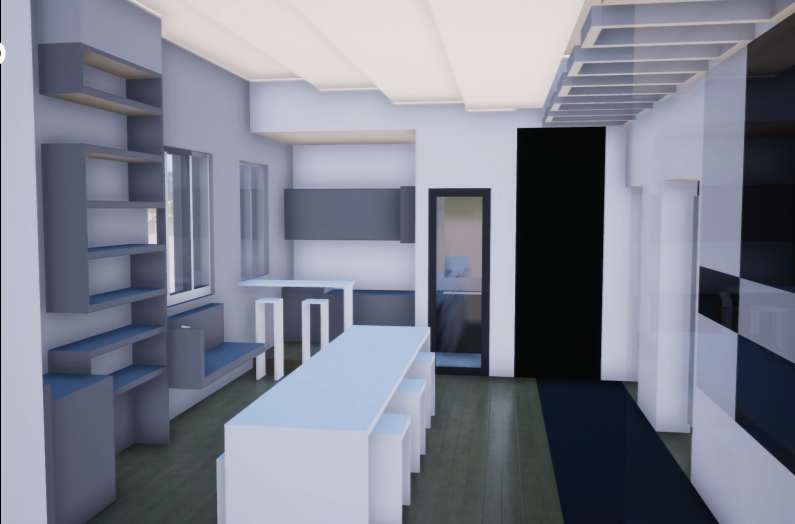
special layout for special spaces





bilovec
working together

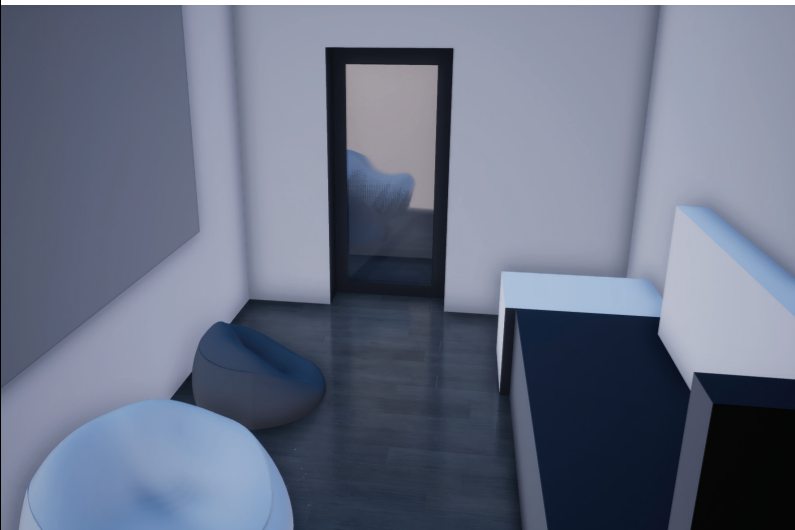
optionB
gr10
W



main working space



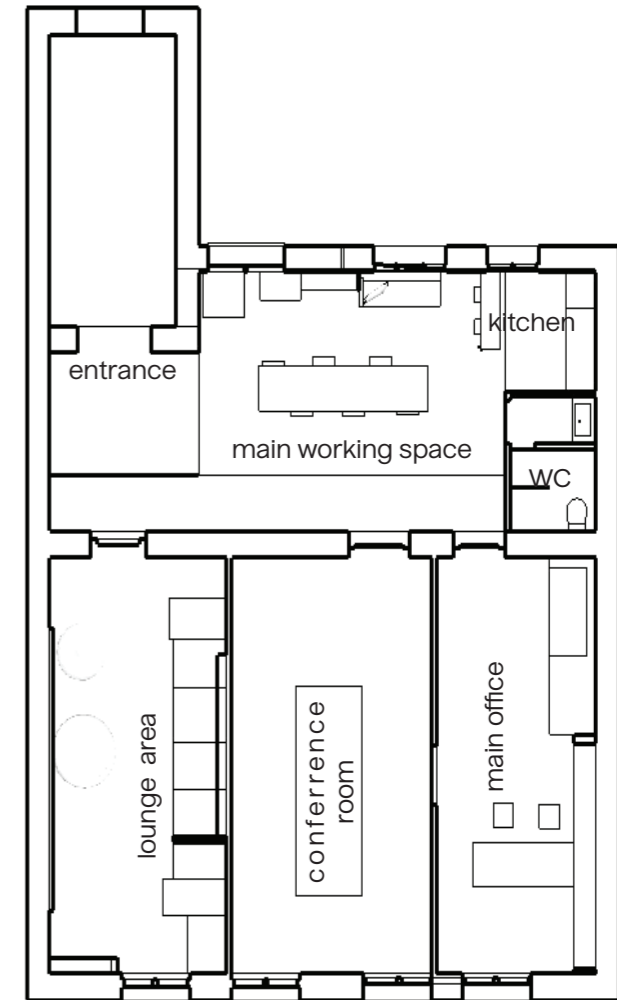
conference room

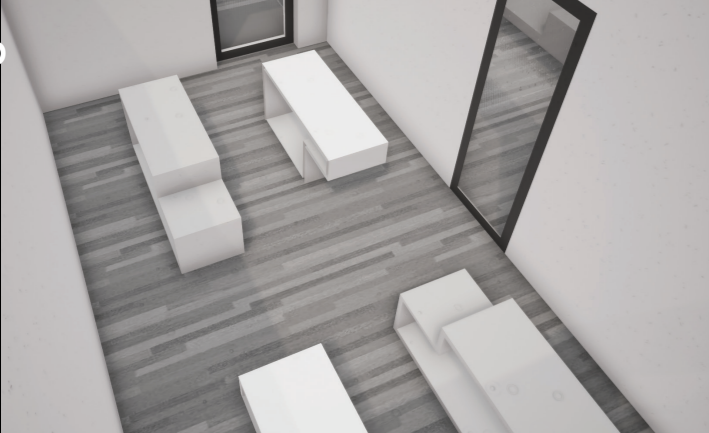


lounge area

bilovec coworking spaces working together

The conceptual design designated to our team was the Bilovek co-working office interior design. The conceptual design designated to our team was the Bilovek co-working office interior design.



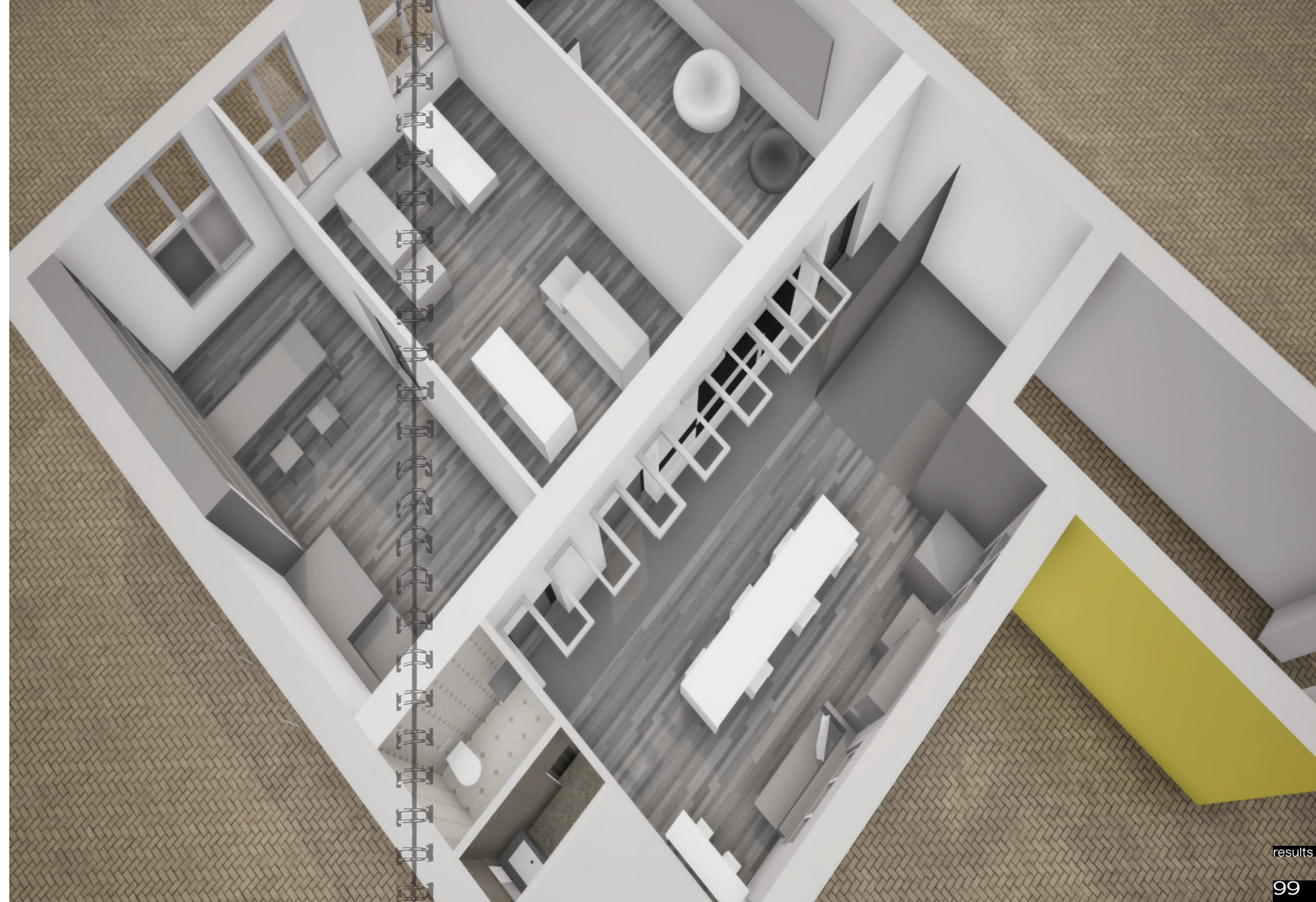


The Meeting hall or the conference room is the the focus center space where groups of 4 or larger could use the room freely .It is set with a writingboard and adjustable and operable furniture to whatever the user deems fit or desires .The space is completely flexible

The Leisure room is more of a work-free environment where workers are sit talk or even take napsbecause it is set with large comfortable furniture to accomodate groups

The main co-working space is loacated in the central portion of the building which has direct access to all rooms, the space is well defined with planar false ceilings adjacent to the circulation space which is more of leinier ceiling pattern used as a guiding element as well as lighting fixtures settings , This space also contains an open Kitchen in which workers enjoy their coffee or meals anytime of the day whilst working

The project was very challenging due to the budget limit and small spaces to work with causing limited flexibility in designdesignated to our team was the Bilovek co-working office interior design.





wondimeneh mulugeta

Meron gebregiorgis

netsereab belay

Elizabeth dagne

abdi jimma

jungle crew



We pick E building because the event space is large and we thought we can do a lot of amazing design and we did that in this project so its good experience for all of us.

First we classified the space in to three private, semi private and public. The private part mostly people can have their own space and work in that area only themselves, in semi-private part there will be same in close area like meeting space and conference room and outside this area have common space like playing and relax in the bench that we proved for them.

When we first pick E building we see a lot of column and a jungle of column and from that we came up with concept of jungle and when we see jungle is a land cover with dense vegetation dominated by tree.

Jungle have river, large and small trees, digging hole in the ground, this large trees have hanging there branch and there root came out from ground and cave structure

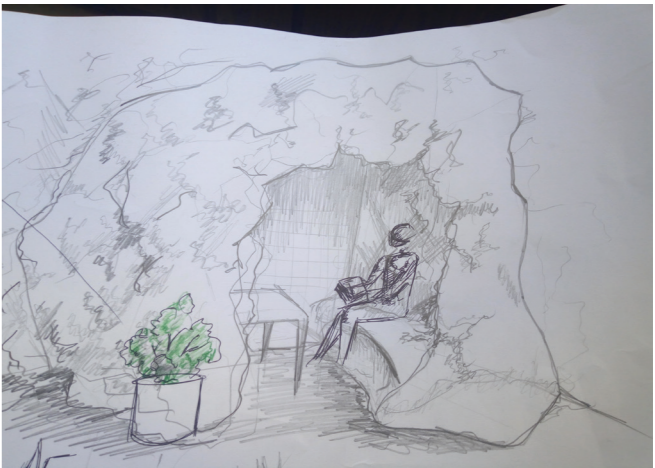




Jungle have different character one of them hanging branches and from that we come up with sitting space and take a nap in the sitting area also



In the jungle we found cave structure and from that we also have a sitting area or meeting place



In this area people can have there meeting in the cave structure and we place it in semi private area.



Jungle have river inside and they show path to the north and from that we came up sitting place that look like a river and show the path from one opening to another.

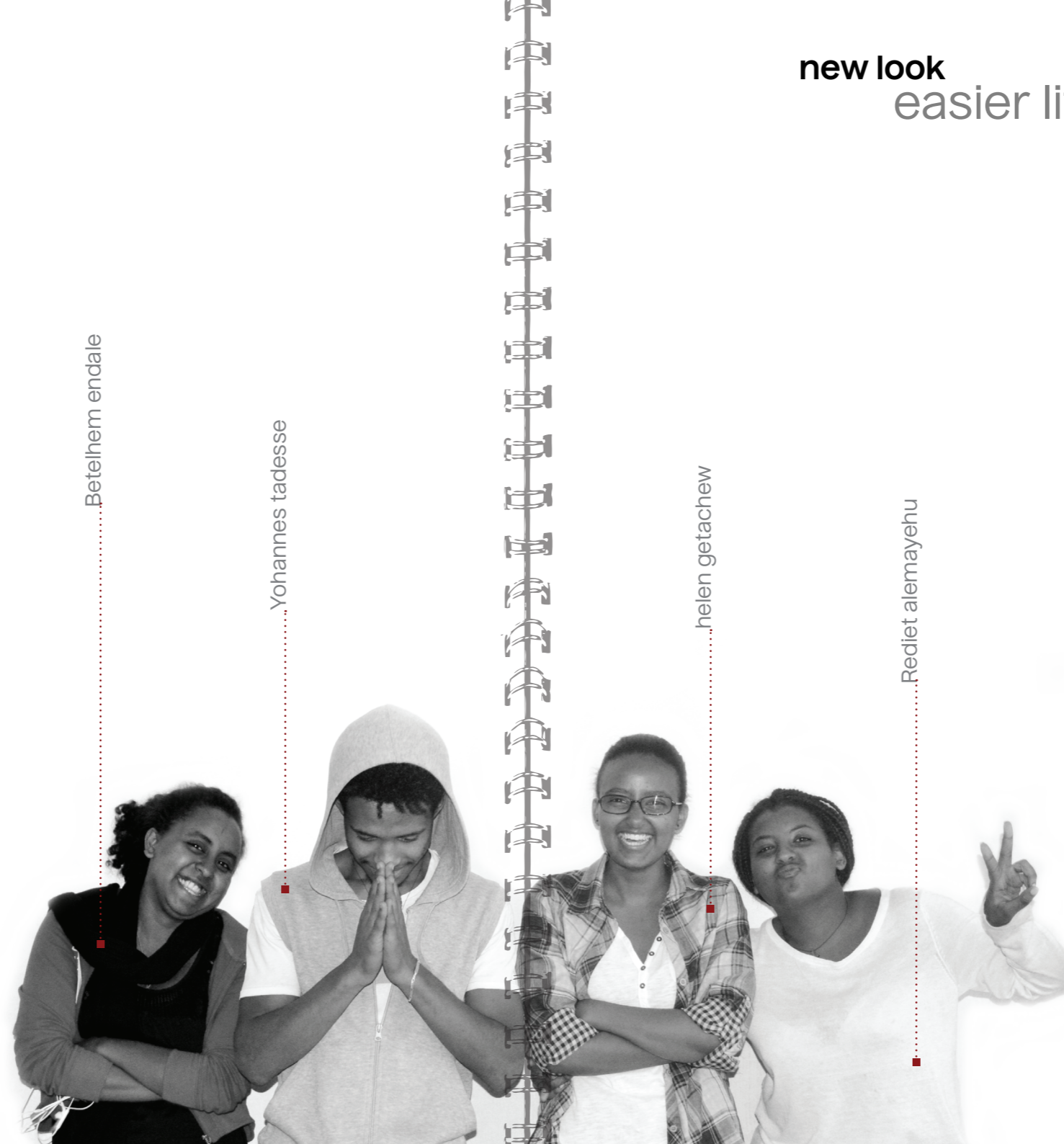


And when there is tree there is falling leaf and inspired from that and we put sitting place in leaf structure.



On the private space we put a snake shape like structure and that is in close area for private case and other things. And we separate private space from other space we stone structure in front of the private space and there are like footstep or walk way to private area.





Betelhem endale

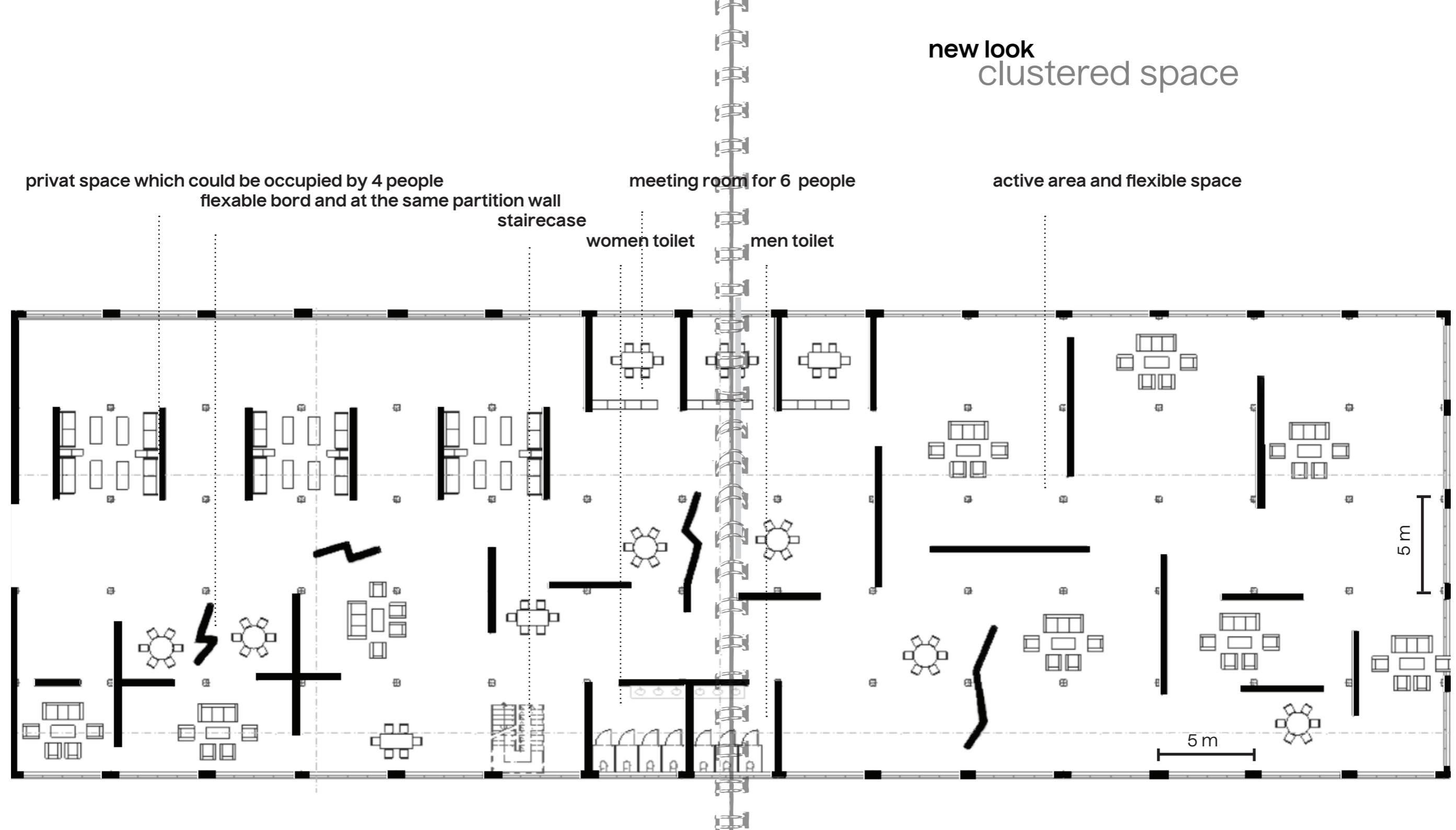
Yohannes tadesse

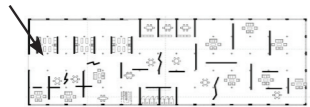
helen getachew

Rediet alemayehu

new look
easier life.

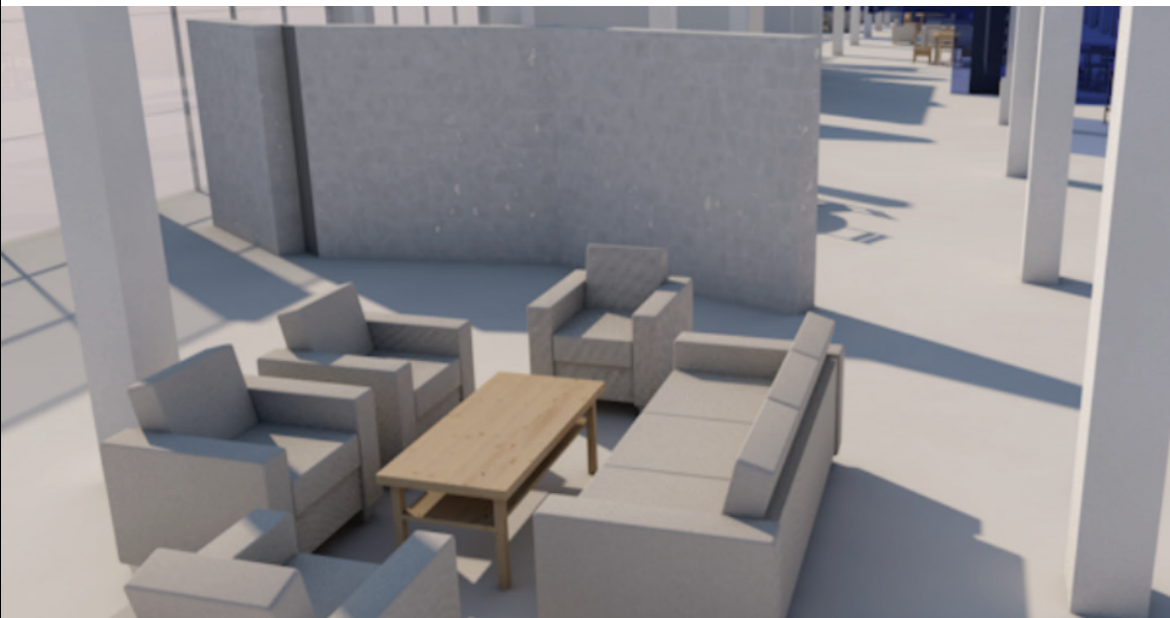
optionA
gr12





the partition walls are more likely constructed by glass and also could be a display of string work in order to create visual flow in different spaces.

by adding more sliding partition define the space within the space and more made the space to communicate with other space.



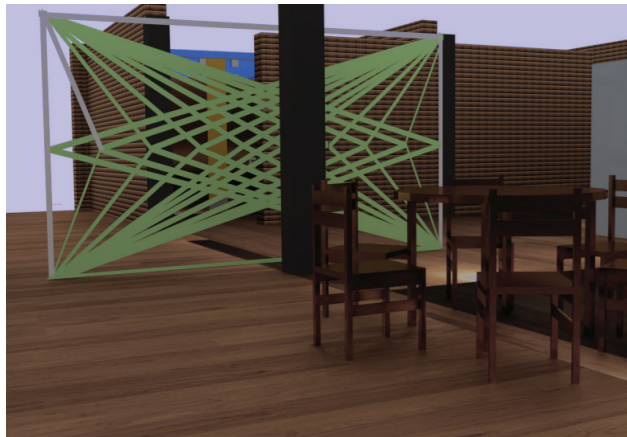
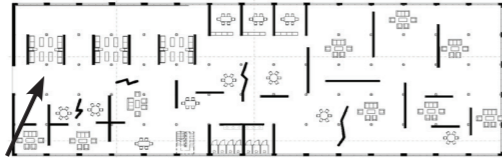
place where groups could discuss and can write and pin on the board.

examples of layout perspectives from layout

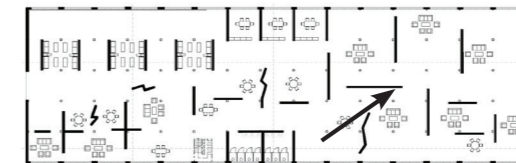
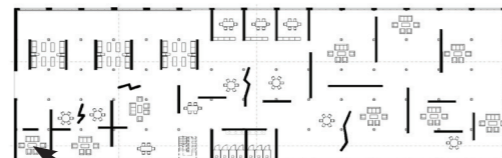
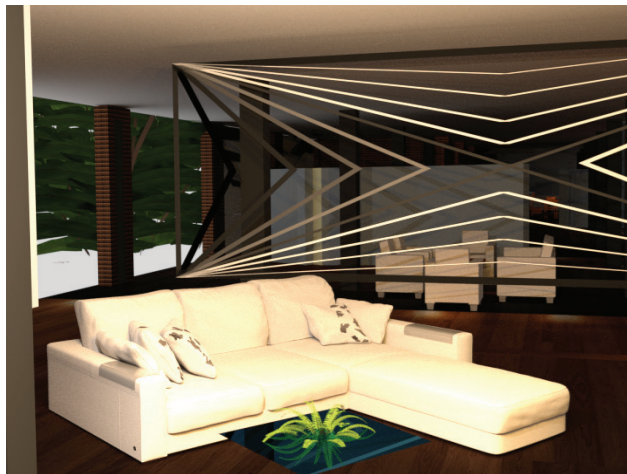




this is a private space which our users can do what ever they want whitout being interferd



so finally we tried to give the space it's own voice, and the opportunity for the users to adjust their own space.





bereket daniel



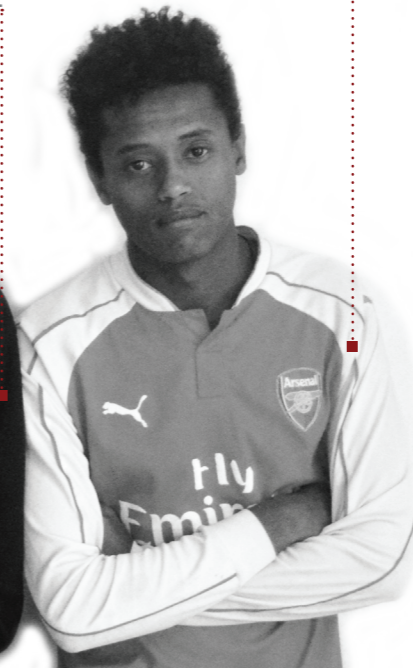
Christian dagnachew



hayat mehammedreja



harerta teklu

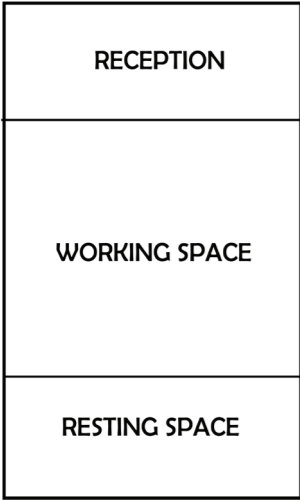


yohannes gebremariam

coworking in Pragovka
working together

optionA
gr13





CONCEPT
Ephemeral – Something lasting for a very short time.

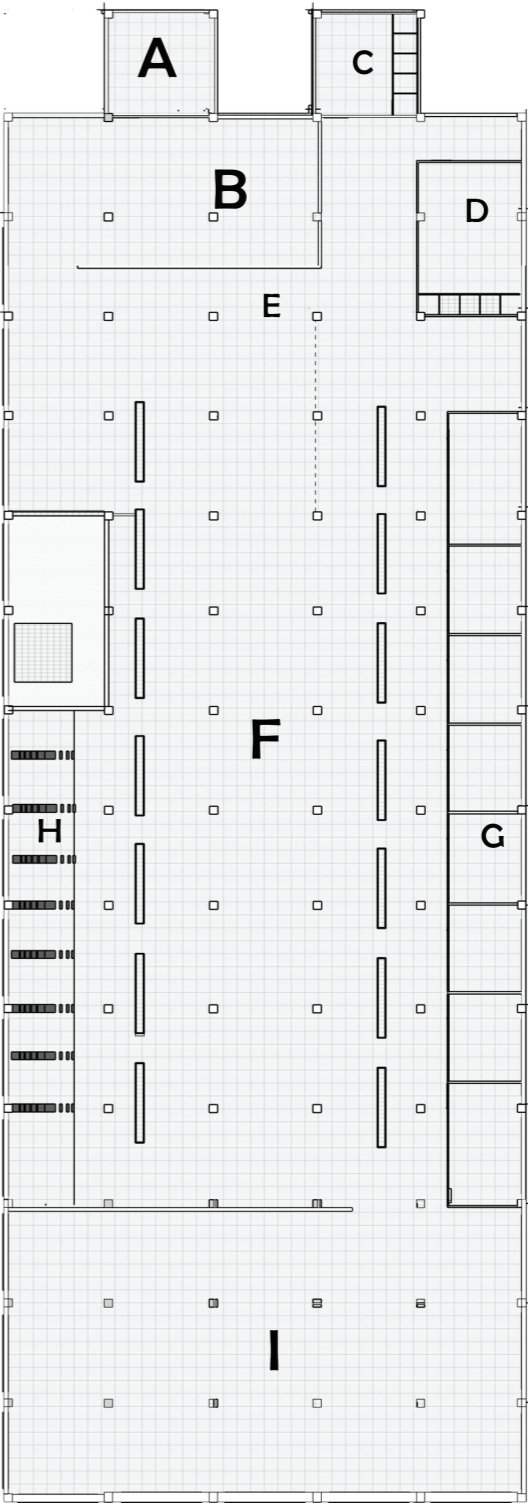
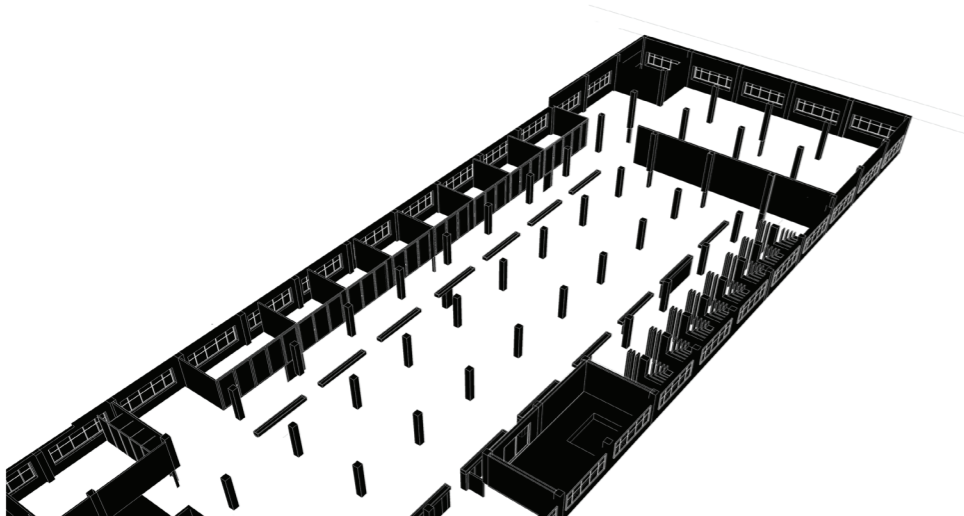
CONCEPT APPROACH
The ephemerality concept was immersed to the design by creating a diverse feeling to each space, short lived only up to the point the individual stays in that space.

The whole concept is not giving them a space that they have never imagined before, or to make them explore, or anything like that.

Rather, by using of simple architectural elements, and applying some human psychology, we created a space where the user focus and increase work efficiency and reasonably low cost.

Without losing the essence of the concept and the low cost design approach, we tried to give the space a feeling of a **linearity, proximity to nature, simplicity** and **extreme minimalism**.

Basically we divided the spaces into three, according to their function. **Reception Area, Co-working Space, and Resting Space.**



- LEGEND**
- A | Store
 - B | Reception Area
 - C | Men's Toilet
 - D | Women's Toilet
 - E | Small Kitchen
 - F | Open Working Spaces
 - G | Group/Conference Space
 - H | Private Working Space
 - I | Resting Area



The first space, we find is the **Reception Area**. The users are greeted with large white room and wooden reception desk. It also provides a waiting area and an information desk.



The **working space** has an open space vibe. The lack of partitions and the open white space, with the repetition of same elements, gives a tranquil vibe and helps people achieve



flow state, and focus on their task in hand. In the working space, different working areas are offered for people. They are **public working space, private working space, group working spaces & conference rooms**. The plants also provide proximity to nature, and also a linear path.



The **group/ conference spaces** are small, in order to make them focused. The spaces are separated from the public space with a channel glass, which makes it somehow open, yet private



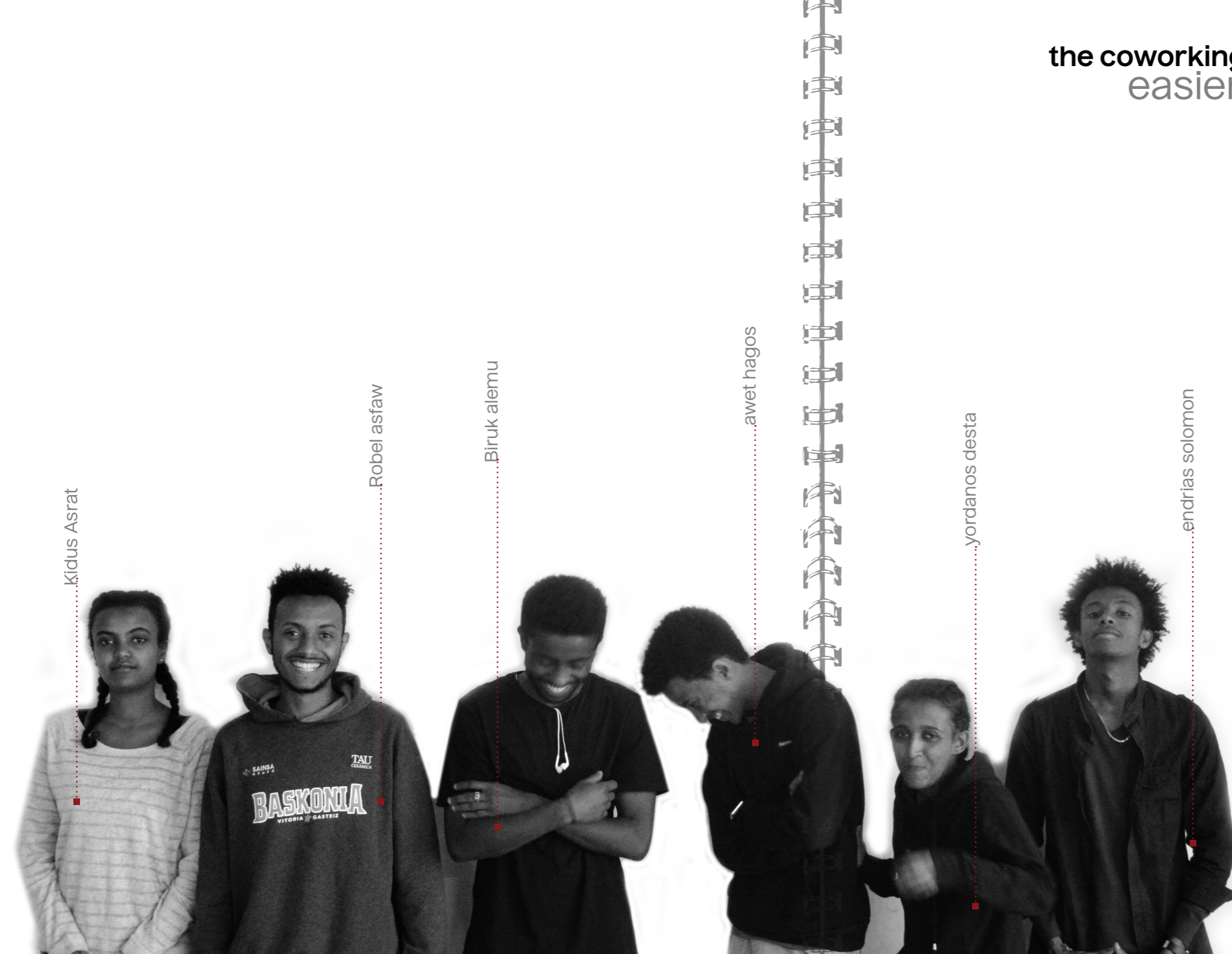
The **recreational space** is more open and by far, has the largest roof height, giving it much more openness than any other. The space offers variety choices activities such as games for refreshment and a small lounge.



There is also a reading area, with libraries, and reading spaces having a view.



Furthermore, in order to accommodate users extra need, we provided spaces with equipment like vendor machine and ATM.



Kidus Asrat

Robel asfaw

Biruk alemu

awet hagos

yordanos desta

endrias solomon

the coworking centre in Bílovec
easier life

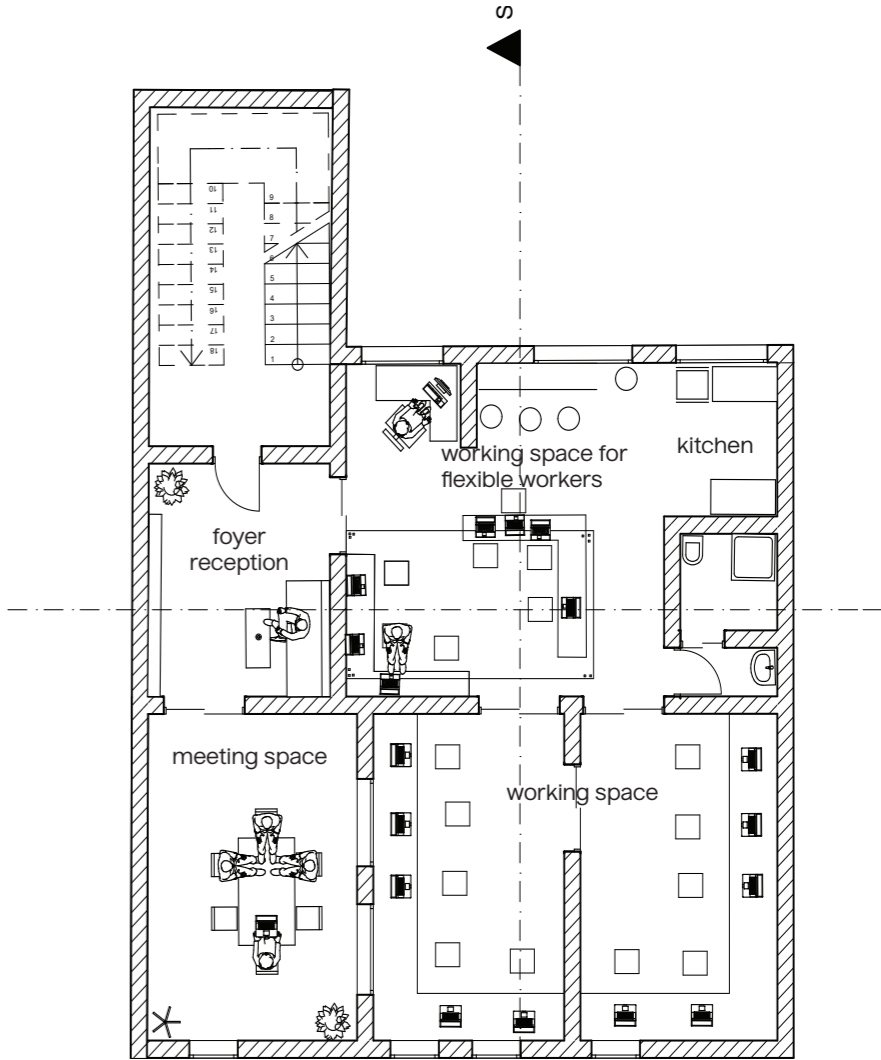
optionB
gr14

the coworking interior design in area of 192m2, that is affordable and comfortable for low income co-workers. and the materials are also low cost materials we use only woods, it is affordable. and it is to easy to install and aesthetically nice, and finally we create good and comfortable and affordable working space,

concept - ease - the ability of handling or doing something in a convenient and comfortable way
 inspiration - minimalist architecture so we try to create a simple and comfortable working space
 by using specific and easy materials.
 describing different ideas with in a specific element.



the coworking organisation easier life



circulation
 it has a spatial flow from one space to the other
 spaces. and the working spaces have connections
 from all the other spaces.
 the circulation is very simple.

South Elevation



this is the open space and working space at the same time it can give a services for flexible workers, those who spend 40% at work. its a kind of recreational area also any body can even sit just for coffe or reading.

the furniture cubic approach

we try to create a simple cubic furnitures, as a chairs and tables. and some shelves on the walls to keep the space quality.

the kitchen is open with bars for snaks, tea or coffe. and there is also a common space that everybody can use for copying or something else. there is rest room also.





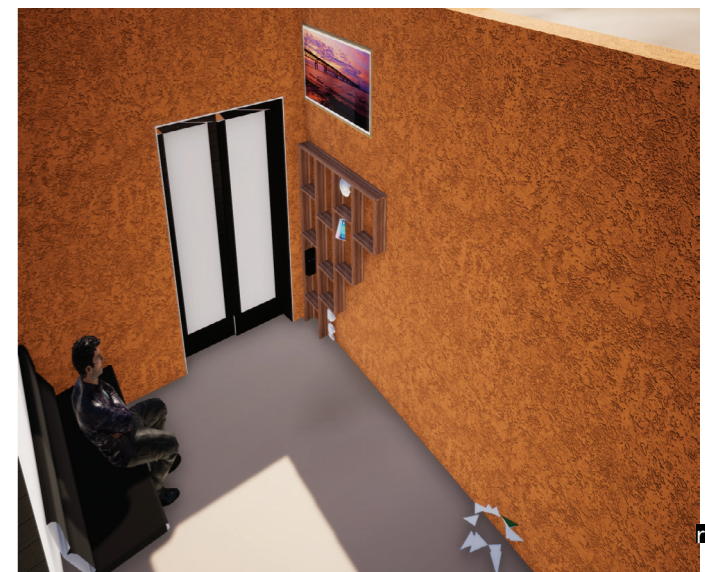
the spaces have their own qualities in their own way, the two working spaces and the meeting space have some privacy, they are a little bit quite. rather than the other working spaces. and the kitchen and the working spaces for the flexible workers have their own quality like having open area without any partitions the spaces just defined by furnitures that any one can use their at any time.

the space quality the spatial flow

all the spaces have good spatial flow from one space to the other spaces. starting from the foyer or reception to the rest room.

the meeting room is located at the first because some one can rent it only for meeting, so it have to be at first place.

their is a space that can serve as a reception, foyer or welcoming space. and workers can leave any of their materials there and can have some broshers also.





the acknowledgements workshop 2018

The sincere acknowledgement is addressed to all people who contributed with their ideas and energy to make this experience happen.

The whole team of instructors and architects from the School of Architecture and Urban Planning in Mekelle, to the energetic and generous Bet-el Workeye Wondimu, the dynamic and determined Mubarek Kedir Abdulkadir, Imrekib Wouhib Kebede, Abel Getachew Assefa, Matadale Mekonnen Mandefro, Tewdros Alemayehu Walde, Dawit Gebrehiwit Tesfay, Elsa Gidey Gebremariam, Elias Gebrebrhan Gebru, the Chair of Architecture Ephrem Nigussie, visiting Eyoel Guesh, the complice and remoted support Daniel Semunugus, Tu'umay Allene, the Head of the School of Architecture and Haddush Goitom, the scientific director of the EIT-Mekelle.

The workshop would not be possible without the continuous engagement, time and energy of Katka Pazourková and Lucie Senešiová, the architects from the studio Jakub Cigler Architekti, assistance of Michaela Saisová, the production manager of the studio Jakub Cigler Architekti, the contribution of Jakub Herman, the initiator of Bílovec co-working centre and the overwhelming generosity of Jakub Cigler, the founder and the director of the studio Jakub Cigler Architekti.

Thank you!
Michaela Solnická Volná



2013

CIGLER HARANI UNLIMITED
FIT-M

THINK GLOBALLY. ACT LOCALLY!!!



2014

CIGLER HARANI UNLIMITED
FIT-M

FIND IT AND USE IT!!!



2015

CIGLER HARANI UNLIMITED
FIT-M

condominium STREET FU(rn)ITURE!



2016

CIGLER HARANI UNLIMITED
FIT-M

low cost design strategies and communication



innovation should be simple
the more complicated it is,
the more mistakes are made.

respect, sustainability, innovation, creativity, flexibility, quality, commitment

hands on low cost design

unlimitedJCA © 2018

EiT-M

Ethiopian Institute of Technology – Mekelle
P.O. Box 1300, Addis Ababa, Ethiopia
Mekelle University
info@eit-m.org

unlimited
jakub
cigler
architekti