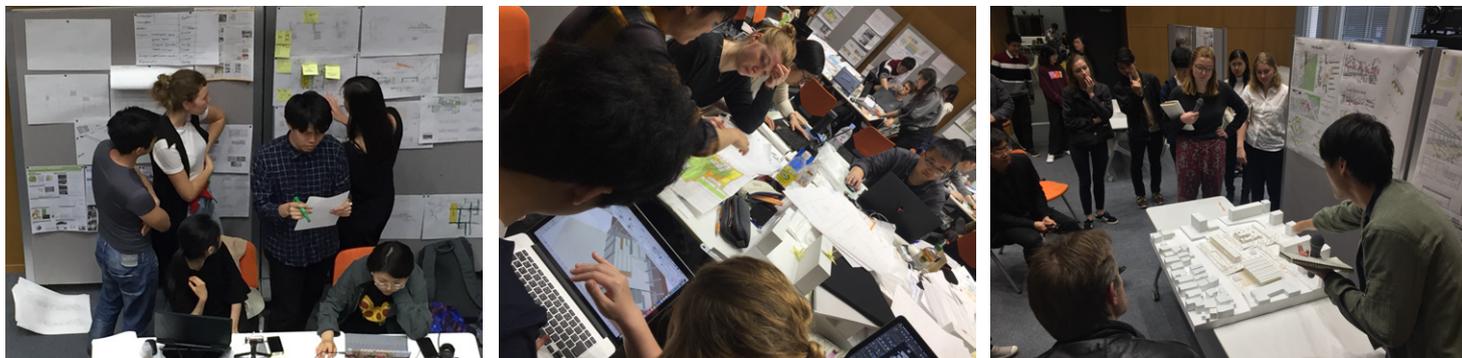


名古屋大学大学院環境学研究科都市環境学専攻建築学コース  
 パリ・ヴァル・ドゥ・セーヌ国立高等建築学校  
 天津大学建築学院

## 2019年度国際建築・都市設計ワークショップ 「Regeneration of Sub-Center in Iwanari-dai District of Kozoji Newtown」



大学院環境学研究科都市環境学専攻建築学コースでは、2019年4月22日(月)から26日(金)までの5日間、名古屋大学東山キャンパス環境総合館1階レクチャーホールを会場として、フランスのパリ・ヴァル・ドゥ・セーヌ国立高等建築学校(ENSA-PVS)と中国の天津大学建築学院と合同で、建築・都市設計ワークショップ(以下、WS)を開催しました。今回はENSA-PVSから都市計画や建築を専攻する14名の大学院生、天津大学から同じく大学院生・学部生15名と名古屋大学建築学コースの大学院生20名(うち2名はNUPACE生)の計49名が参加しました。WSの指導はENSA-PVSのBoris WELIACHEW教授、Marco TABET教授、天津大学の鄭穎副教授と王志剛副教授、本学の小松尚准教授と5名のティーチング・アシスタント(修士2年)が行いました。本WSは本学の建築学コースとENSA-PVSおよび天津大学の修士課程相当の学生を対象に、異なる文化的背景を持った学生同士が英語を共通言語にして一つの建築・都市デザインの提案をまとめる機会として2009年から開催しています。また本WSは、ENSA-PVSとは2009年度に、天津大学とは2015年度に締結した学術交流協定に基づいて、3校の協力の下、実施しています。例年、4月に名古屋で、9月にパリでWSを実施しており、今回は通算19回目のWSとなります。

今回は、「Regeneration of Sub-Center in Iwanari-dai District of Kozoji Newtown」と題して、昨年入居50周年を迎えた高蔵寺ニュータウンの岩成台団地内にある、商業施設や医療施設、公共サービス拠点からなるサブセンターを住民の新たな交流拠点として再生するための建築・都市デザイン提案を検討しました。高蔵寺ニュータウンは千里、多摩と並び、1960年代に大都市郊外に開発されたニュータウンの代表の一つです。そこには高低差のある土地造成、歩車分離、明確な土地利用上のゾーニングなど、1960年代の建築・都市設計に共通する特徴を見ることができます。また今回の設計対象であるサブセンターにある3つの建物は、メタボリズムやメガストラクチャーといった当時の建築家が提案、追求した建築スタイルに基づいて設計されており、この遺産を現在の建築・都市や社会状況を照らし合わせながら、継承そしてアップデートするかが課題となりました。

WSとしては、まずWSまでに各大学で敷地および周辺分析を行い、その結果を持ち寄ってWS期間中に日仏中の混成グループ(1グループ7名)で建築・都市デザインの提案を検討し、発表するための図面や模型を制作しました。WS初日は各大学での事前作業の結果を共有し、現地見学の後に本格的なグループ作業に入りました。3日目には中間講評会、5日目の夕方には成果発表会を行いました。この間、3日目午前には豊田講堂(楨文彦氏設計)見学を行いました。豊田講堂は1960年竣工のメガストラクチャーからなる建築であり、1960年代の建築を学ぶに格好の題材です。成果発表会では、各グループの分析結果とデザイン提案がA1版4枚の図面と模型によって発表されました。難易度の高い課題でしたが、限られた議論や制作時間の中で、どの提案にもこのサブセンターの建築・都市的特性を継承しながら再生活用していく建築・都市デザインのあり方を検討する上で大変参考になる内容でした。

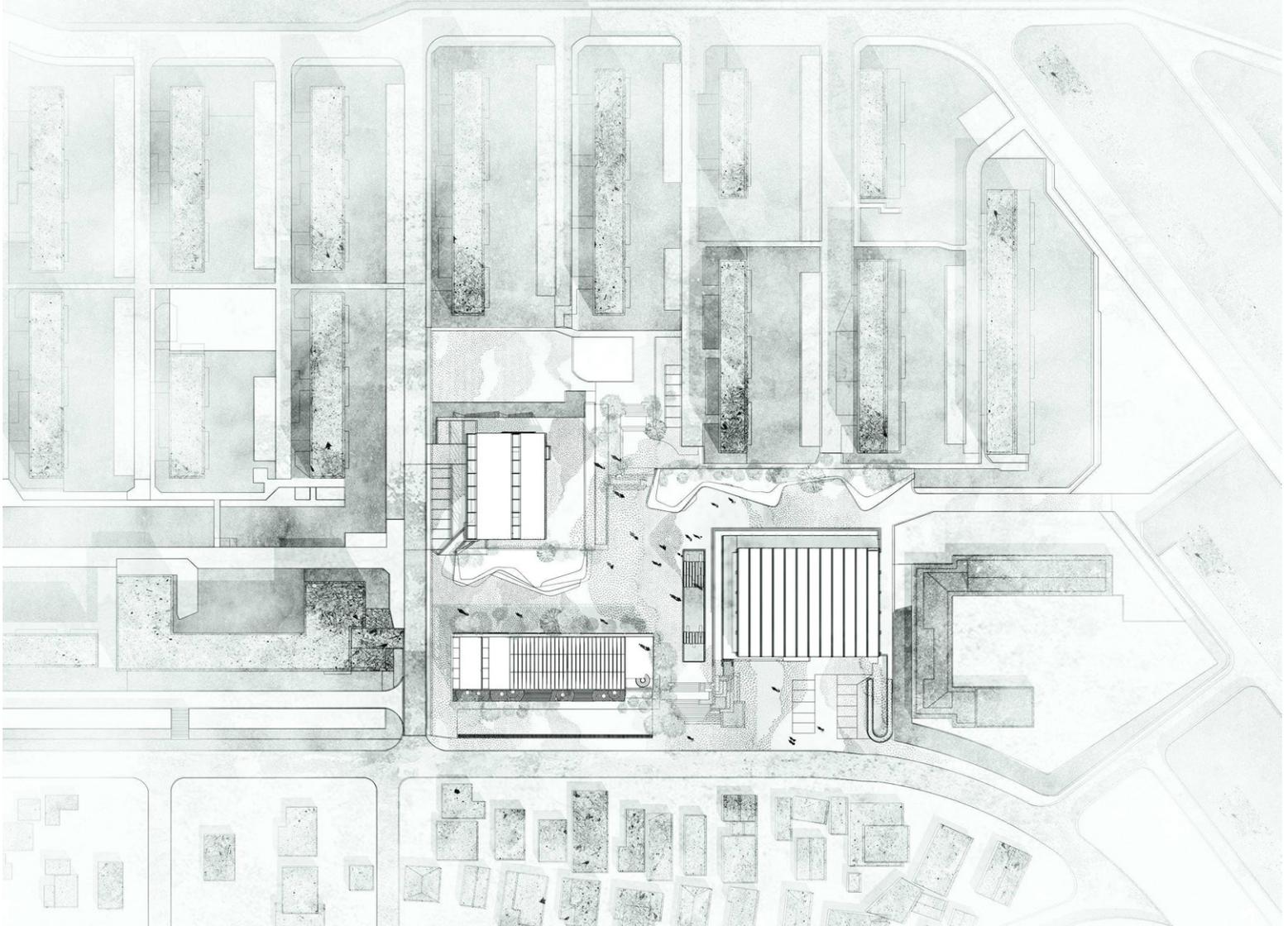
なお、本WSの実施にあたっては、UR都市機構に資料提供や現地見学について大変ご協力いただきました。また、環境学研究科長裁量経費を得て実施されました。

# Regeneration of Sub-Center in Iwanari-dai district of Kozoji Newtown

AKARI HASIZUME  
VICTOR HUCHON  
MARGAUX KOREN  
YUYA TABUCH  
XIAOLONG SHI  
JINGMEI ZHANG  
CHEN ZIJIA

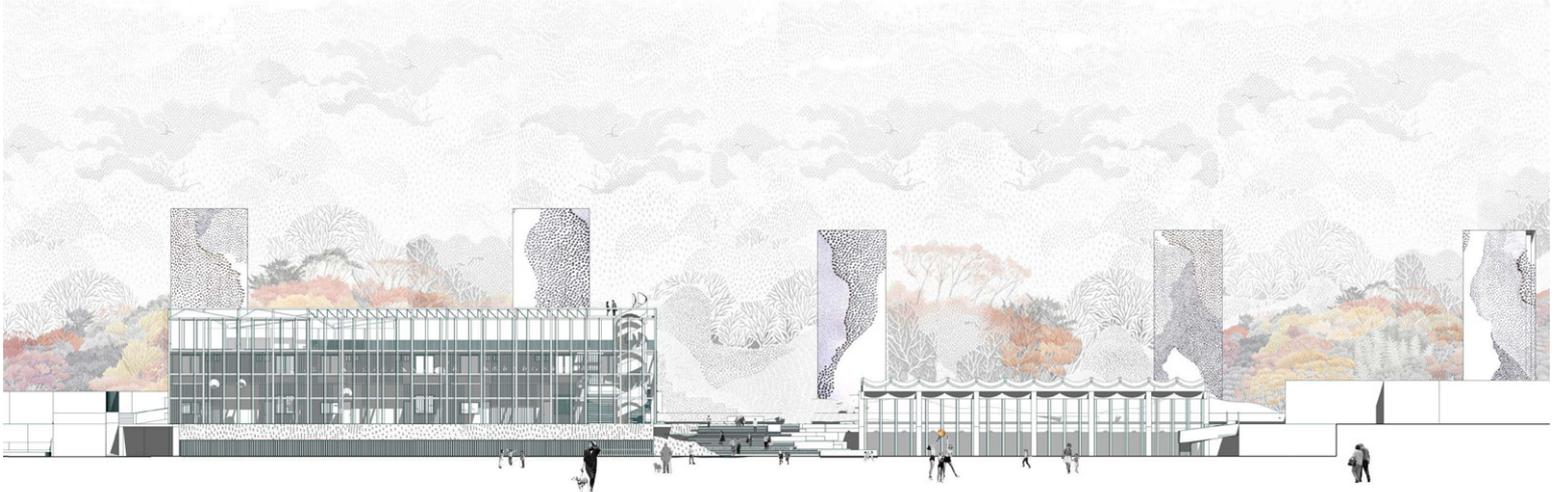
## A NEW GATE FOR THE NEIGHBORHOOD

MASTERPLAN

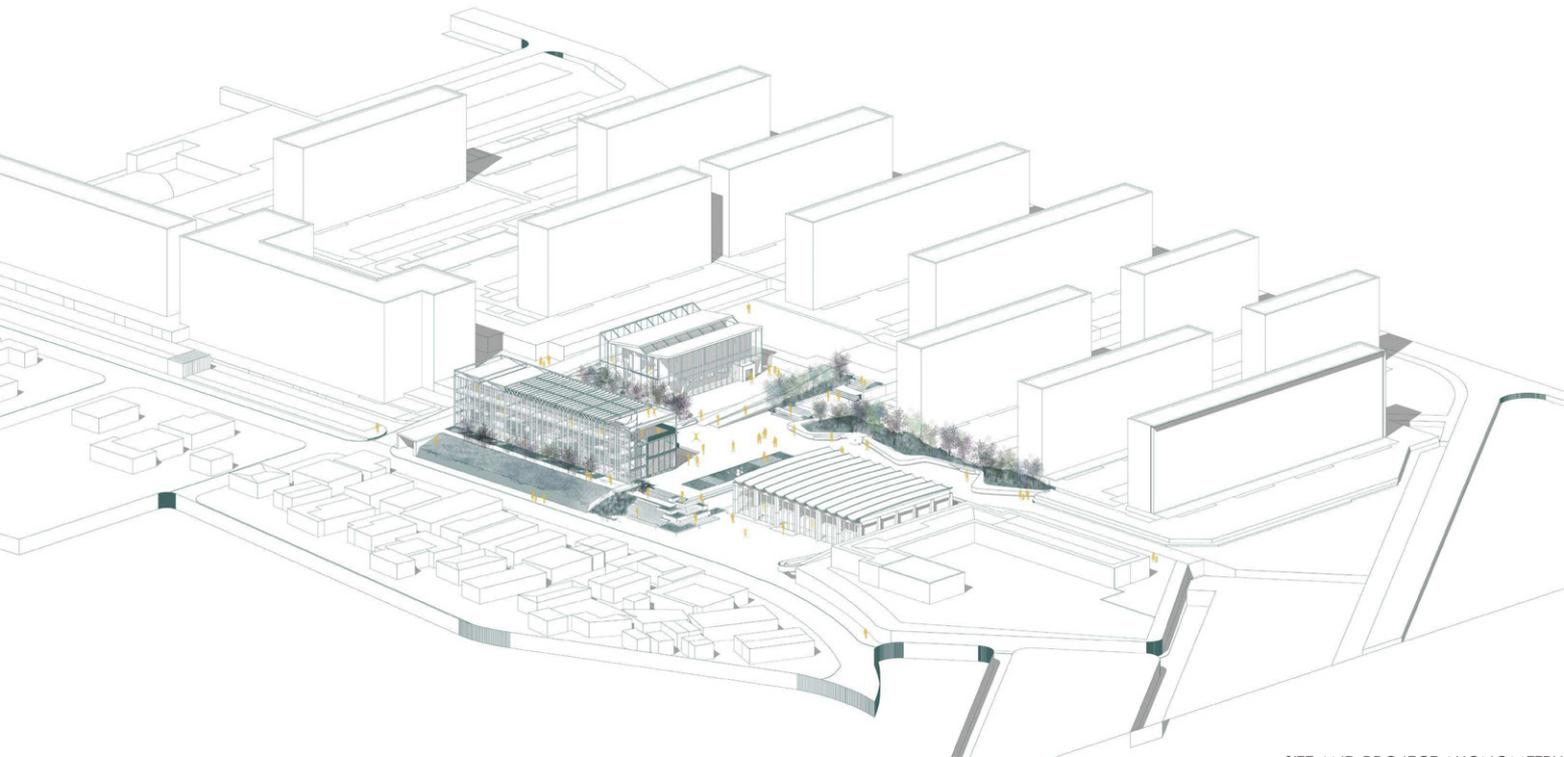


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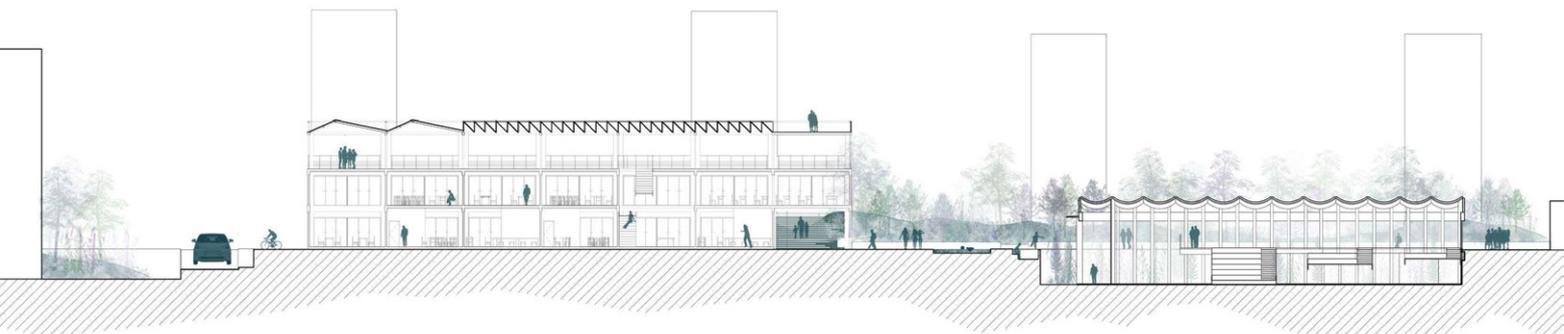
ELEVATION



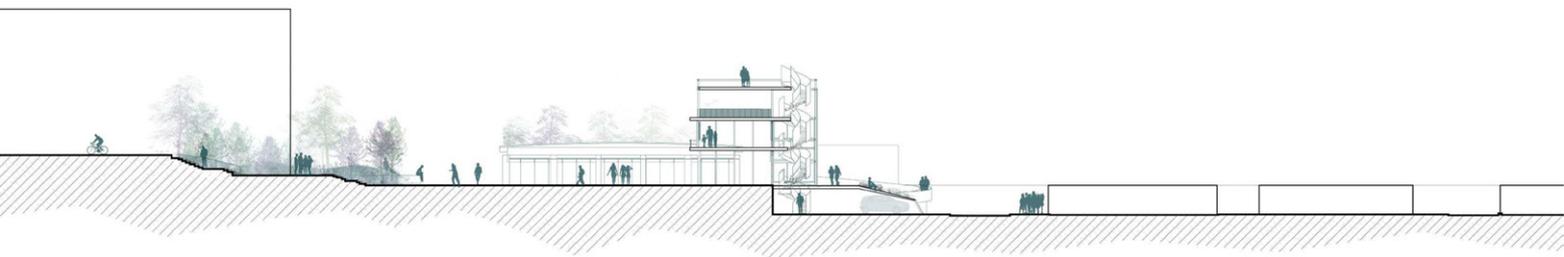




SITE AND PROJECT AXONOMETRY



1:200 0 1 5 10 20 SECTION



1:200 0 1 5 10 20 SECTION

Park and Water

- Site
- Park
- Water

Public parks and water are basically located on the west side of the base, but there is no direct contact. Residents' activities mainly depend on the activity field in the residential.



Bus station & Parking

- Site
- Bus stop
- Bus station

Bus stops are mostly located on the east side of the site. Users who come by bus will come on foot from the east. Parking lots are mostly owned privately. Parking problems should be considered in the site.



Transport

- Site
- Road
- Main road

The Eastern inner can not be directly connected to the inner part of the residential area. It will go after the first beneficiary.



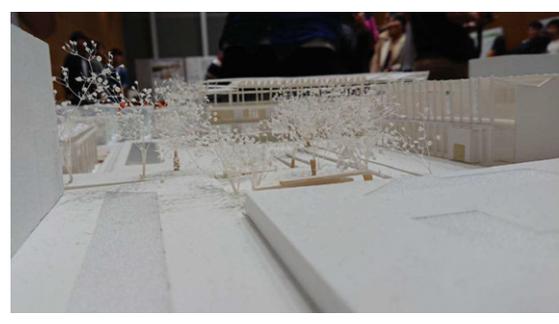
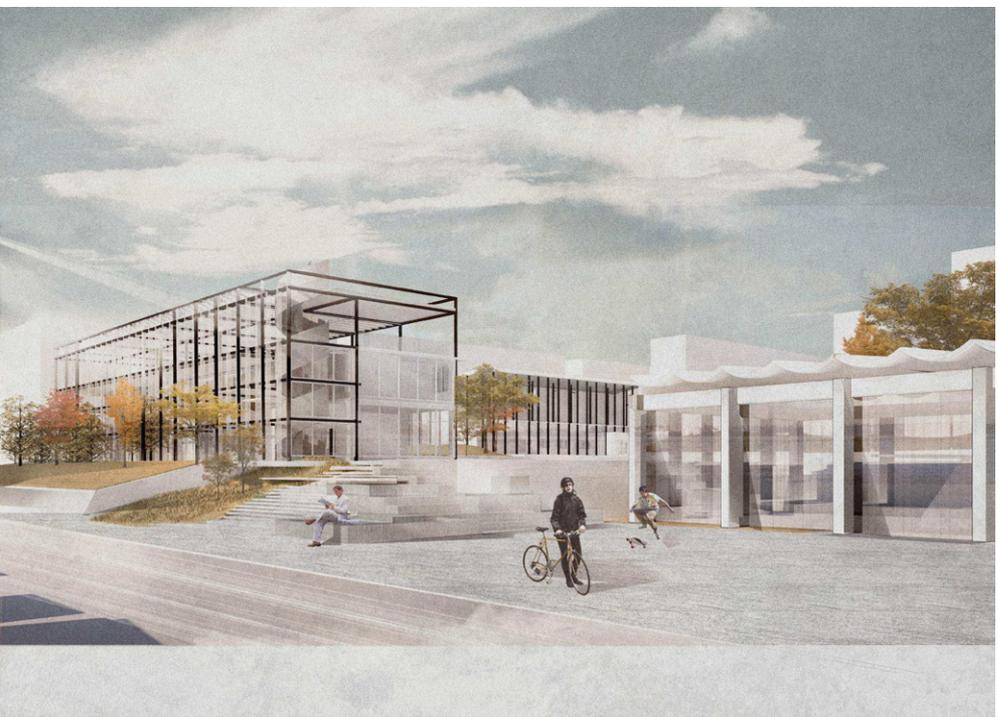
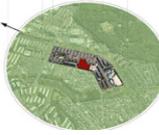
Living facilities

- Site
- Shopping
- Multi-use
- Club house
- Swimming pool

There are not enough convenience stores on the South side. The original convenience stores on the site should be kept.



Satellite map



PEOPLE

## Re-define the Types Of People

### Regional Traffic

Wanari-dai is close to the bus stop and convenient for travel. From Kozoji to Nagoya, Kasugai and Tajimi are within 1 hour commuting circle.

### Functional Distribution

Close to the center commercial zone, so that's the reason why the shops here don't work.  
Close to the kindergarten and primary school.  
Less of work opportunities, so couldn't attract mid-aged people to stay.

### Types Of People Considered

- Aged people (Already Exist) - To Serve
- Children and Teens (Already Exist) - To Serve
- Mid-aged (Rarely Exist) - To Attract

### Potential Function

- Shared Offices - Attract Mid-aged People
- Children-Care - Serve Parents and Children
- Clinic and Drug store - Serve Aged people
- Workshop - Serve Anyone who have certain needs
- Library - Serve Anyone who have certain needs

CIRCULATION

## Re-define the Circulation

### Community as Sub-center

**Sub-centers:**  
In the government's planning, as one of the three sub-centers of the new city, it is necessary to strengthen the connection with the central commercial district and thus create a comprehensive public service platform.

**Central district:** Commerce is in majority, including shopping mall, retail stores, and parking lots.

### Link the Site to the Commercial Center

Center of City  
Sub-center of City  
New Town  
Wanari-dai District

Center of City  
Garden or Plaza  
Park of City  
Residential Area  
Public Facilities  
Wanari-dai District

Entrance Plaza | Center of Community | Garden | Center of City

New | Already Exist

TERRIAN

## Re-define the Terrian

**Joints:** Main Road, Center of Community, Garden, Center of City

**Edges:** Concrete Wall, Concrete Wall, Concrete Wall

**Joints:** Main Road, Entrance Plaza and city Agriculture, Center of Community, Garden, Center of City

**Edges:** Nature as Background of City, Stairs for Sitting & Walking, Connecting the center of city

ACTIVITIES

## Re-define the Activities

### Original Activities

Market | Shops | Clinic | Plaza

### New Functions of the Buildings

Shared Office | Workshop | Clinic | Drug Store | Library and Coffee | Children-Care

### Extend the Activities inside out

Outdoor Dining Area | Out Fitness | Communication between children, parents and aged people

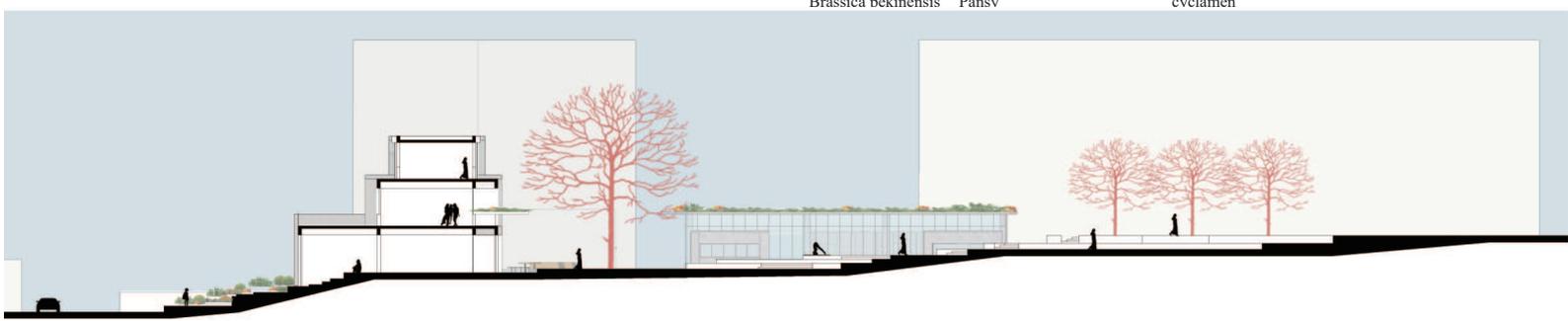


S=1/500

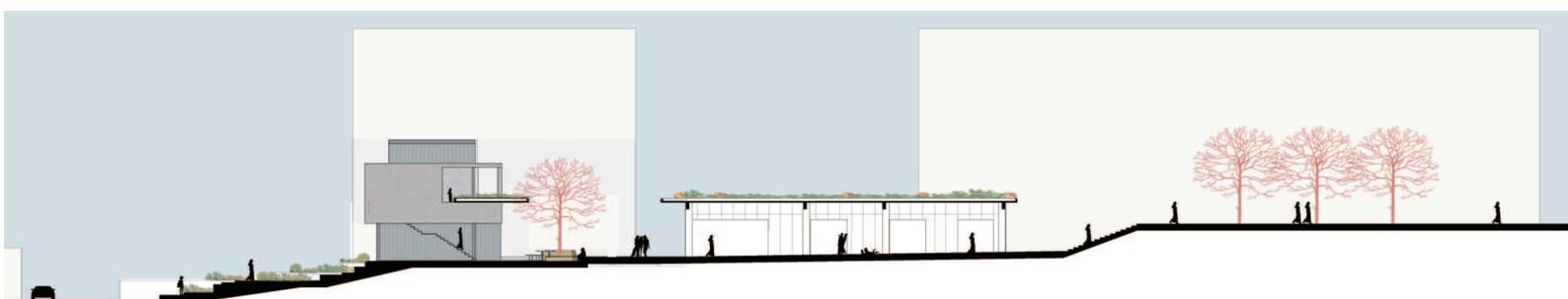
Material



Vegetation



Section B



Section A

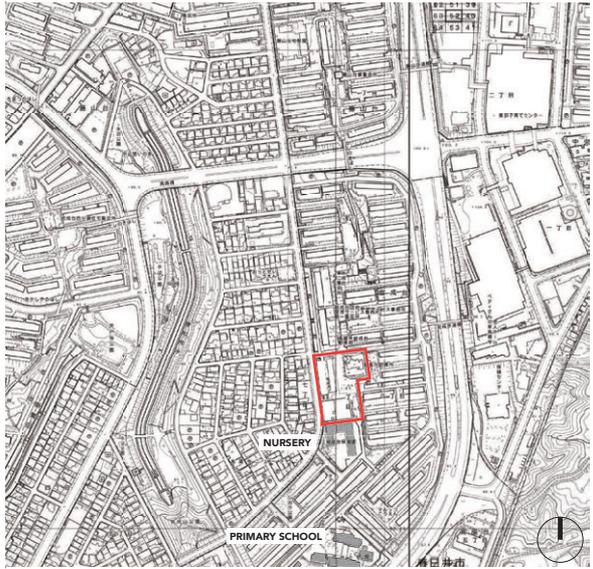




# COMMUNITY FOREST

GRUPE 3 - WORKSHOP 2019 NAGOYA UNIVERSITY

Group.3  
Kosuke TAKEUCHI / Pauline RIME / Yuki MIYATA  
Thiago OUCHI YAMAGUTI / Sonia FRITSCH / Zhao LI / Mingdi LIU



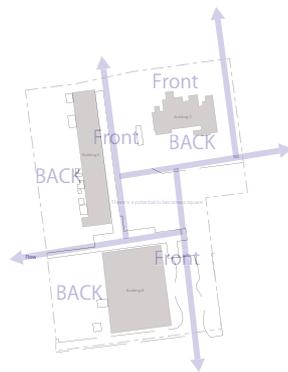
## EXISTING SITUATION

0 50 100 200

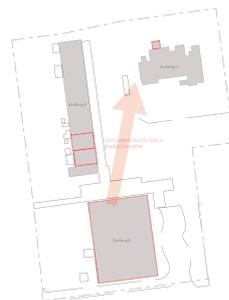
## PROJETER PLAN



1. RELATION STRUCTURE / TREES  
The pattern of grid is effected by the place of tree



2. CHARACTERISTICS  
It is necessary to make the face of the architecture to spread the open space



3. GRID PATTERN  
It is necessary to scale down and follow the function

LANDSCAPE  
LIVABLE CHILDREN



NEGATIVE COMMERCIAL  
BORING OPEN SPACE  
MIXED SPACE FOR ALL PEOPLE



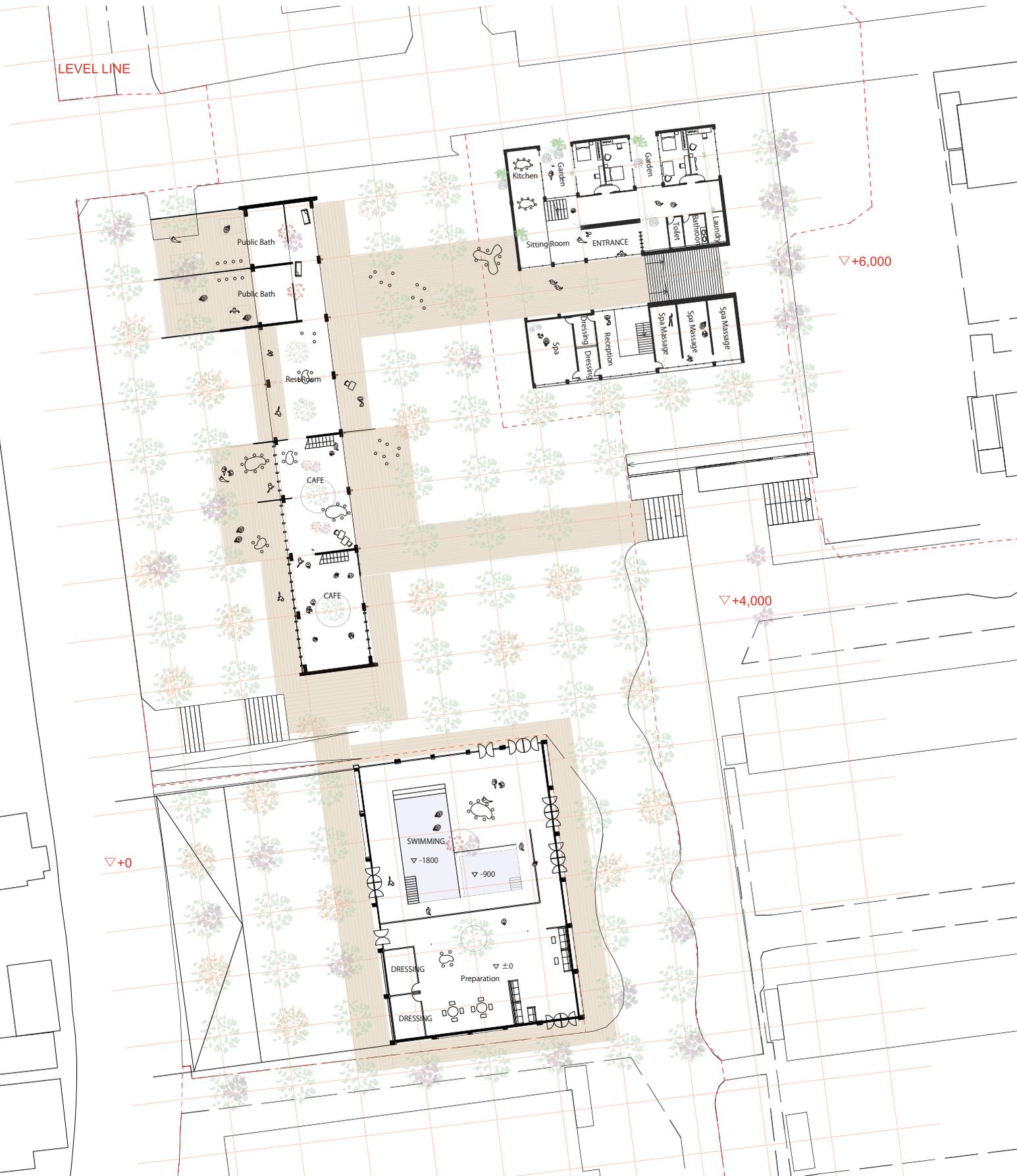
BUILDING STRUCTURES  
TREES STRUCTURES  
SERVE FOR THE COMMUNITY



CONNECT SEVERAL  
PARTS POSITIVELY



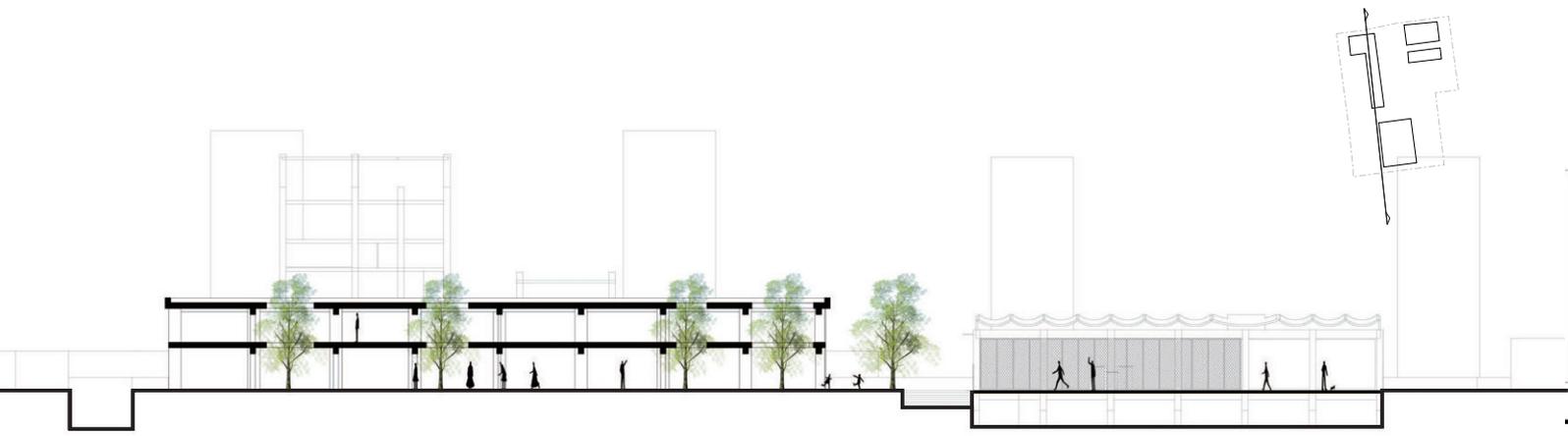
## ANALYSE AND STRATEGIES



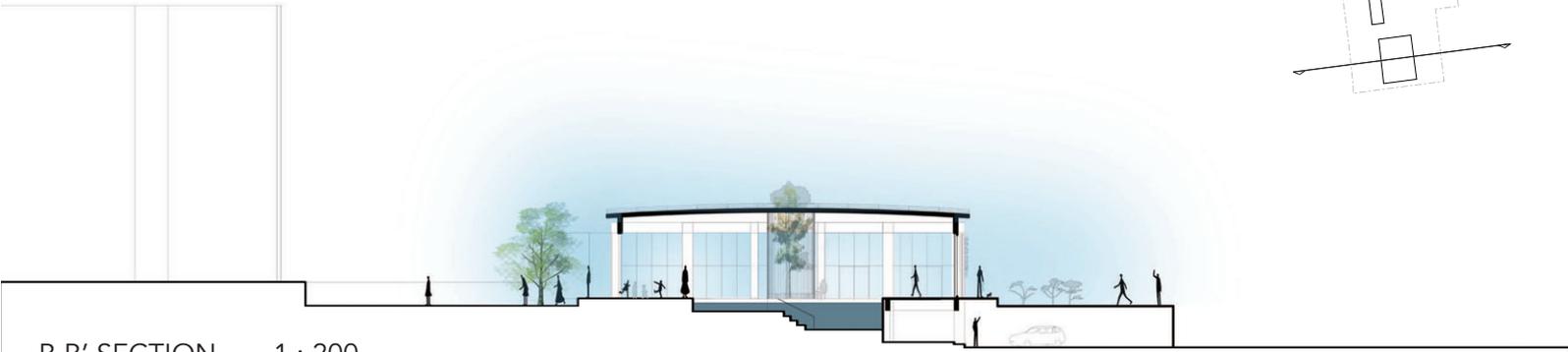
MASTER PLAN / THE GROUND FLOOR — 1 : 500



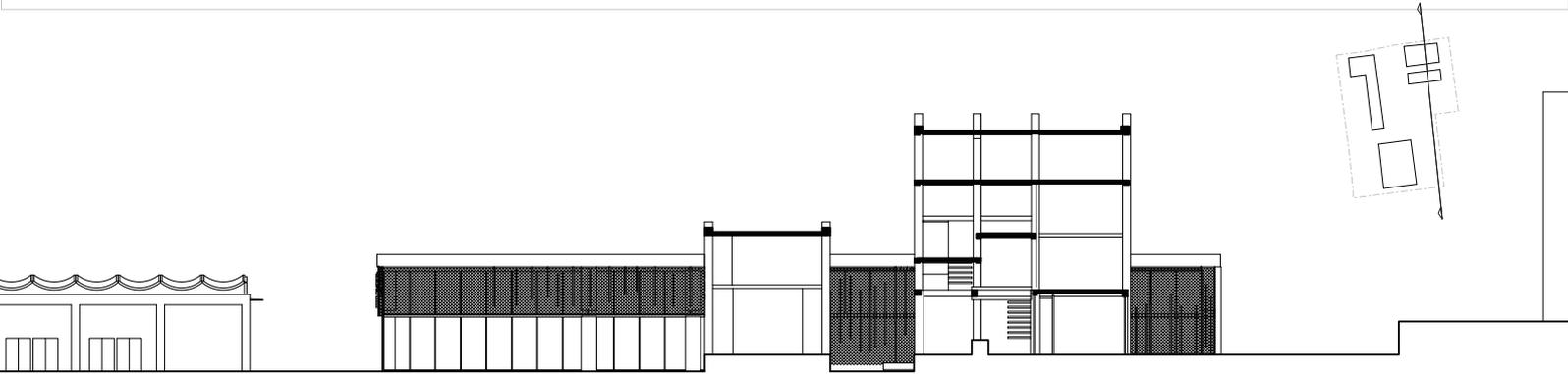
URBAN SECTION — 1 : 500



A A' SECTION — 1 : 200

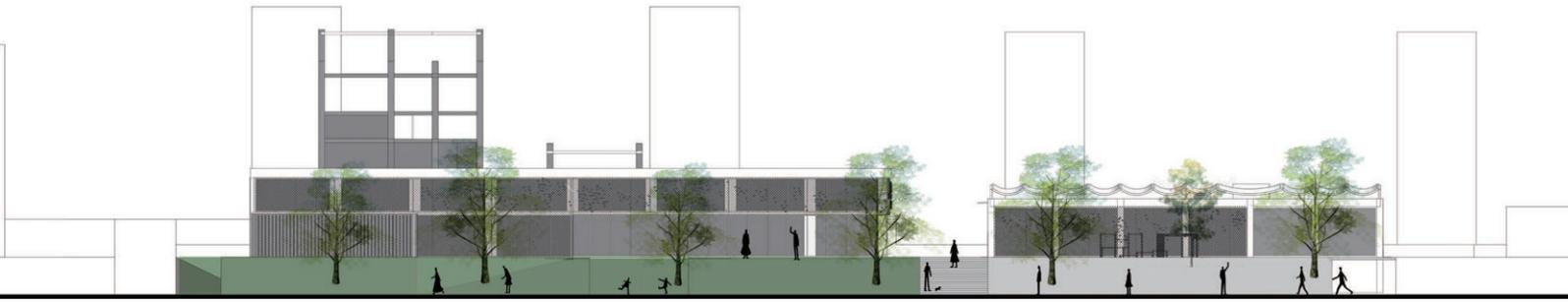


B B' SECTION — 1 : 200

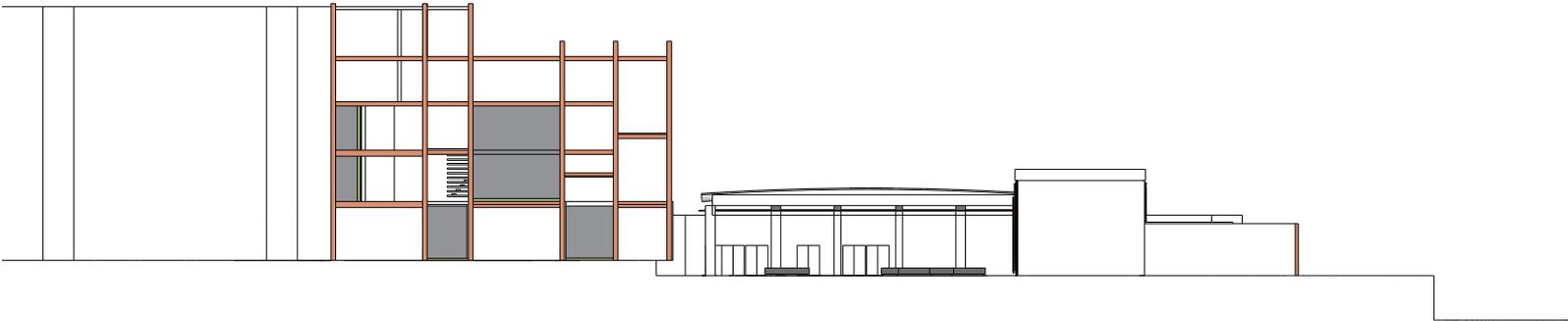


C C' SECTION — 1 : 200

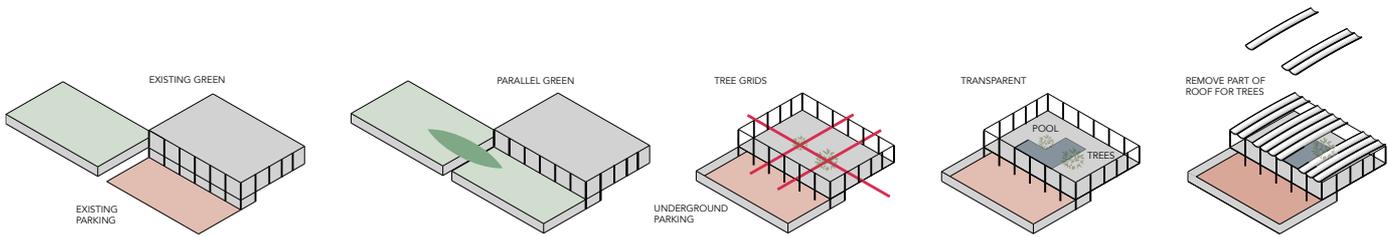




ELEVATIONS WEST — 1 : 200

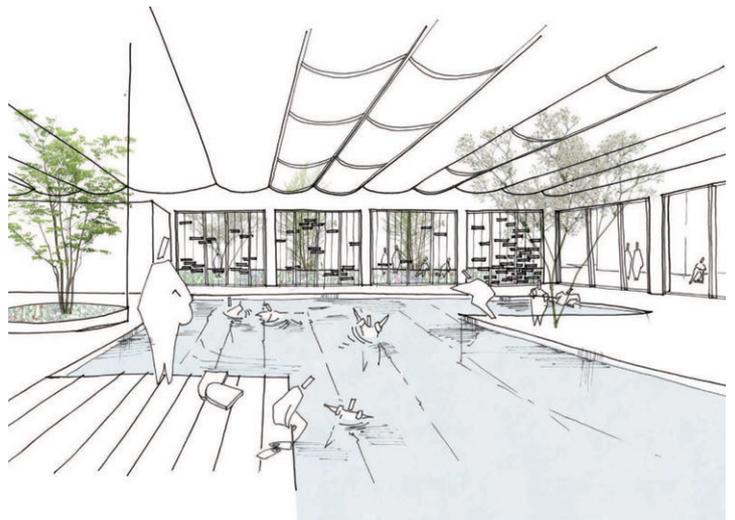
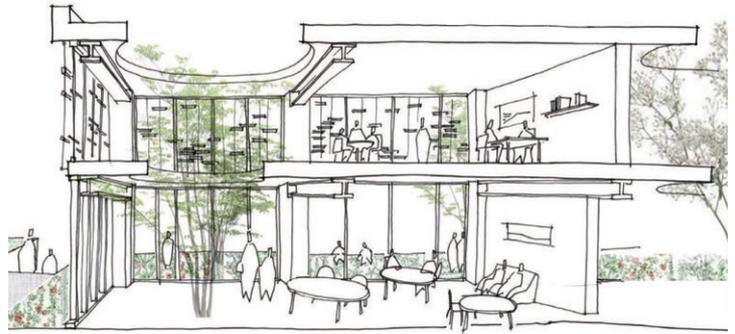


ELEVATION NORTH — 1 : 200

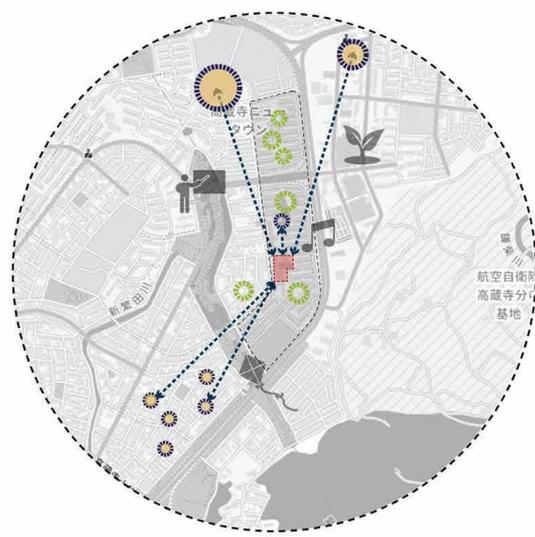


DETAILS OF THE BUILDING B





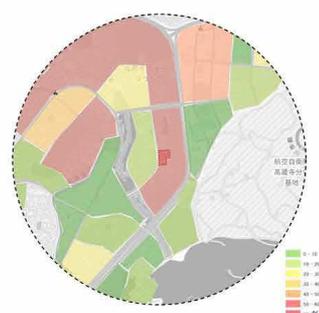




### CONNECTIONS

- CONNECT
- ACTIVITIES
- LEARNING
- OPEN SPACES

## ANALYSIS DIAGRAM



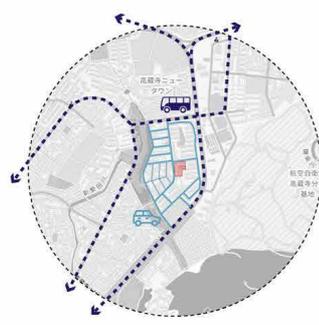
### AGED SINGLES

FOR WHO?

LIVING SHEAR HOUSE		
SENIOR LIVING ALONE	YOUNG COUPLE	SINGLE MOTHER AND CHILD

FOR WHO?

LIVING HOUSE COMPLEX	
FAMILY (COUPLE AND CHILD)	OLD COUPLE

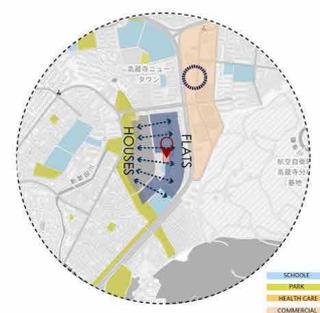


### TRANSPORTATION

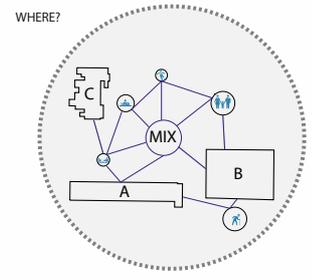
HOW?

SPORTS	AGRICULTURE
PLAY BALL, SKATE BOARD YOGA	GROW PLANT AND LEARN

EXHIBITION	MUSIC
SEE ART WORKS	MUSIC FESTIVAL



### RELATIONSHIPS



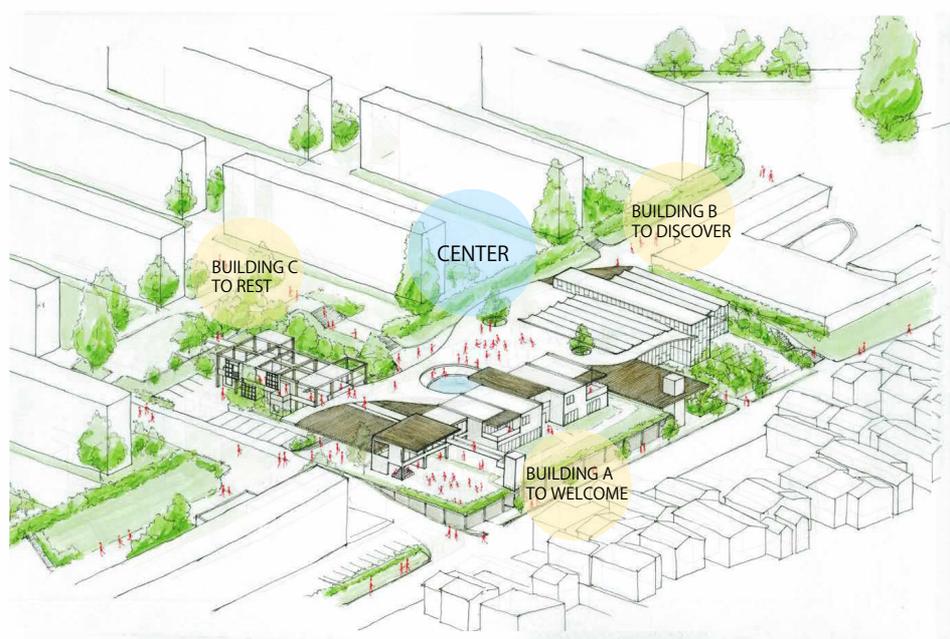
### PRESENT ACTIVITIES



- Library
- Conference Room
- Children's Centre
- Bazaar
- Dance event
- Music event
- Child-raising assistance
- Music Event
- Mixing 3 generations to prevent disaster
- Assembly Room
- Making and flying kites

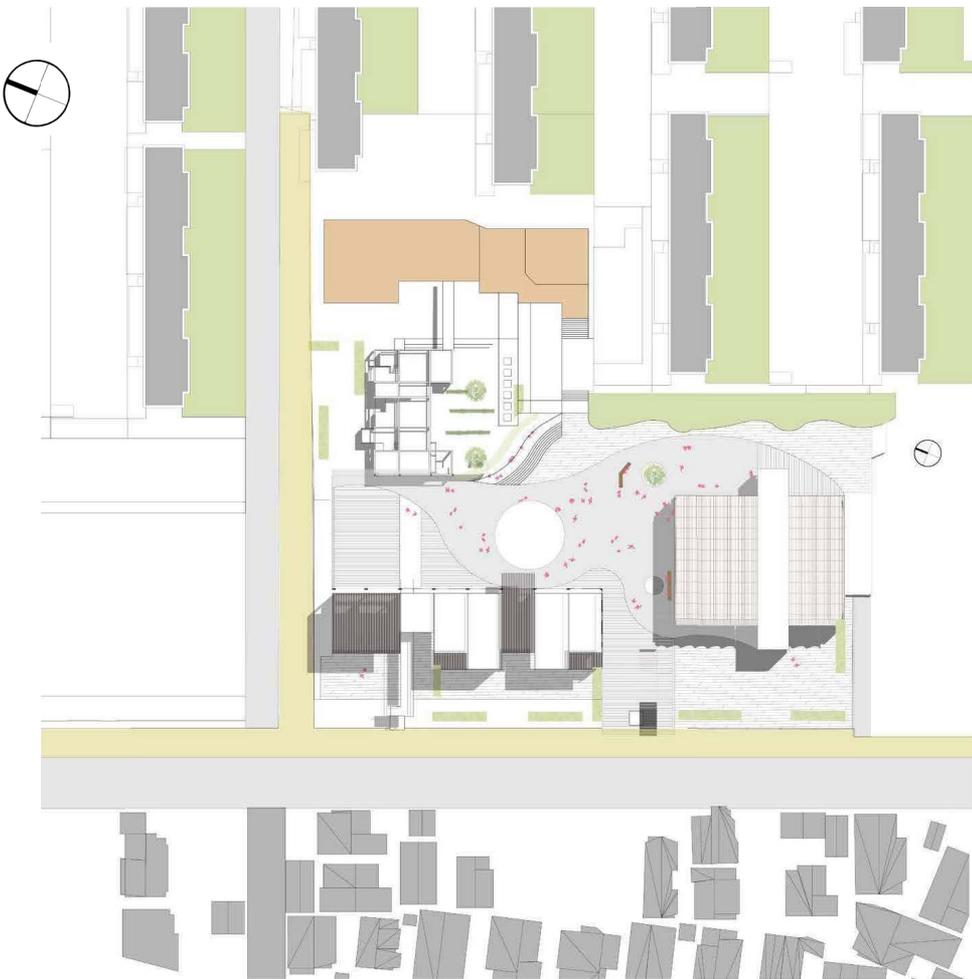
### MIX IN THE SITE

- GROWING PLANTS
- HOLDING MUSIC EVENTS
- LEARNING ABOUT KITES

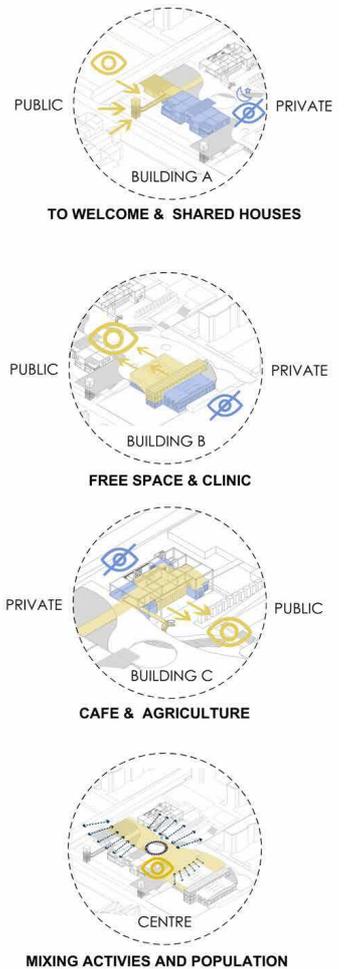




MASTERPLAN 1/500



CONCEPT DIAGRAM



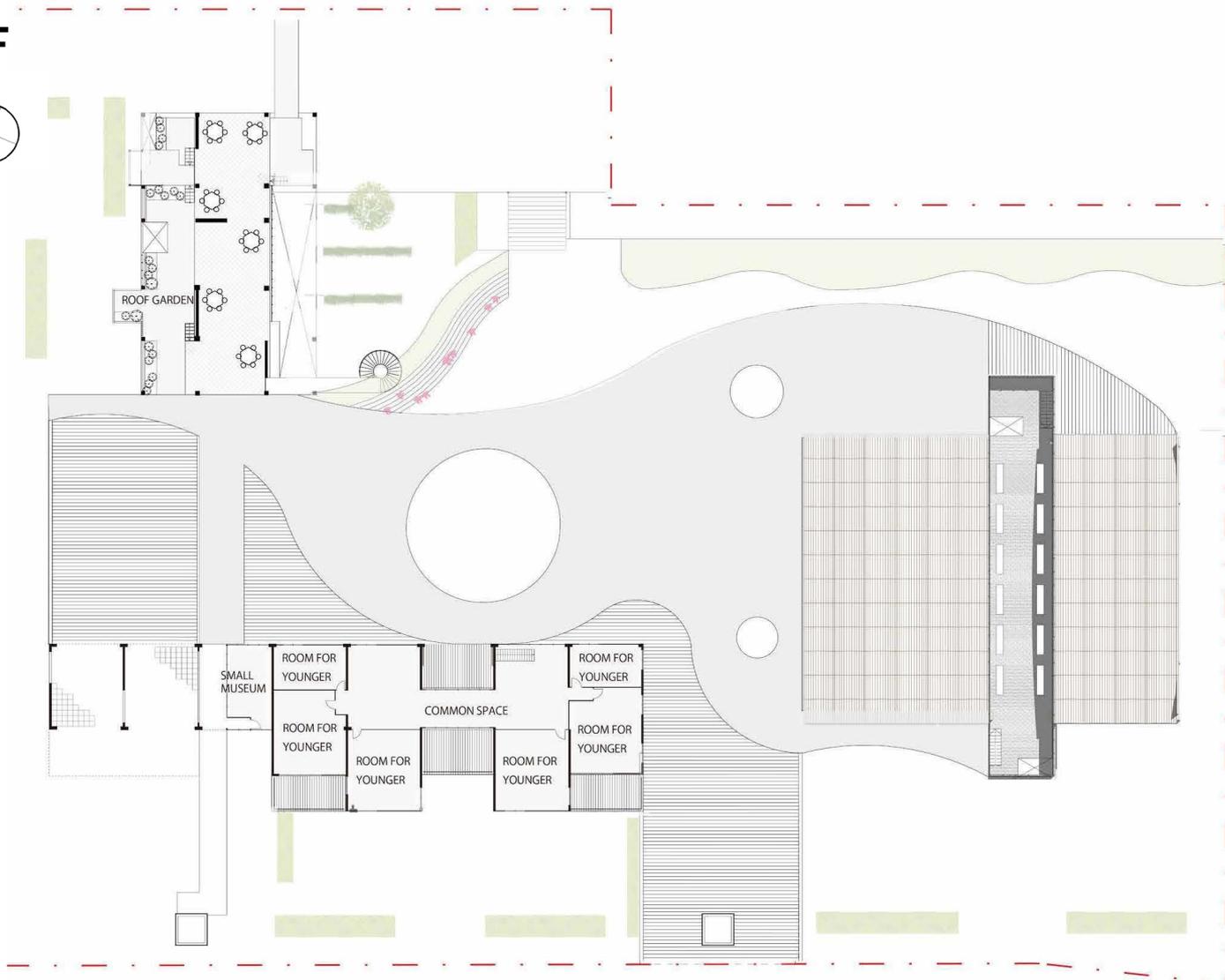
ELEVATION 1/200



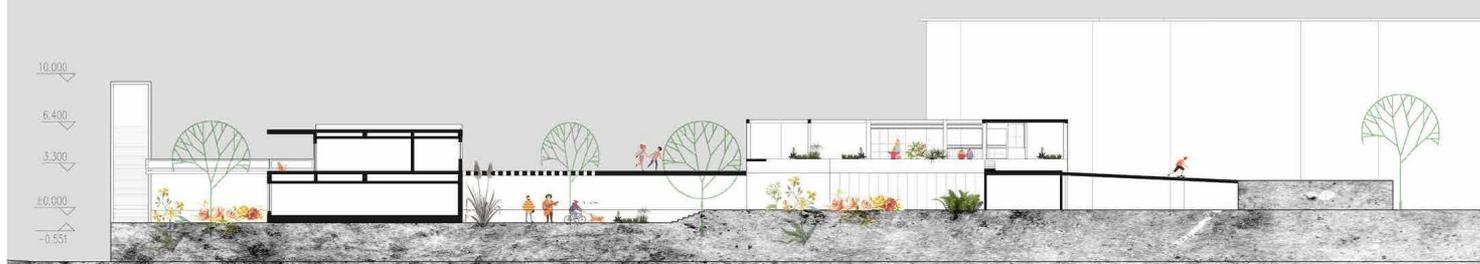




2F



BB SECTION 1 / 200





# LANDSCAPE CONTINUITY

## GLOBAL INTRODUCTION

Group.5  
Kanakano ISHIHARA / Hiroki TAKEMURA / Xiao YUPENG  
Julia BROUSTE / David BLONDEL / Xing LI / Jainig WEI



### SITUATION



### URBANISTIC PROBLEMS

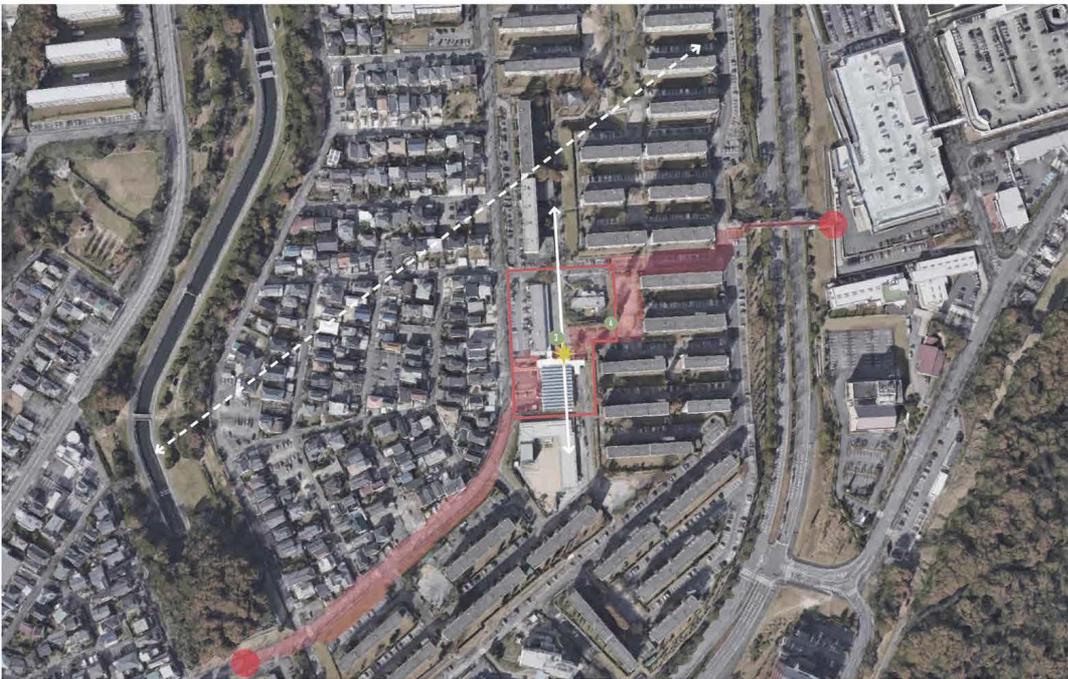


- WATER SUPPLY AREA
- DETACHED HOUSES AREA
- RENTAL APARTEMENT AREA
- COMMERCIAL AREA
- SITE



100 m

### URBANISTIC STRATEGY



- COURSE
- SITE
- LINK
- TRANSPARENCY
- NEW MEETING PLACE



100 m

# LANDSCAPE CONTINUITY

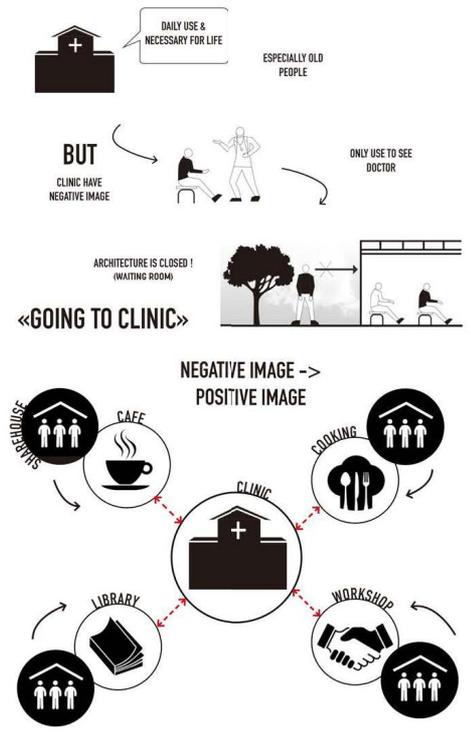
## LANDSCAPE CONCEPT



### URBANISTIC CONCEPT

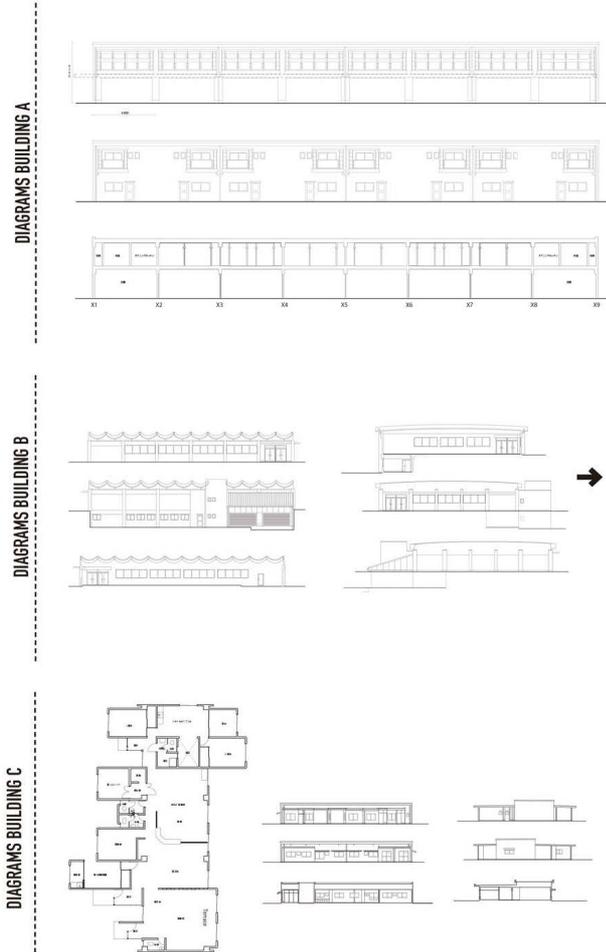


### SOCIAL CONCEPT

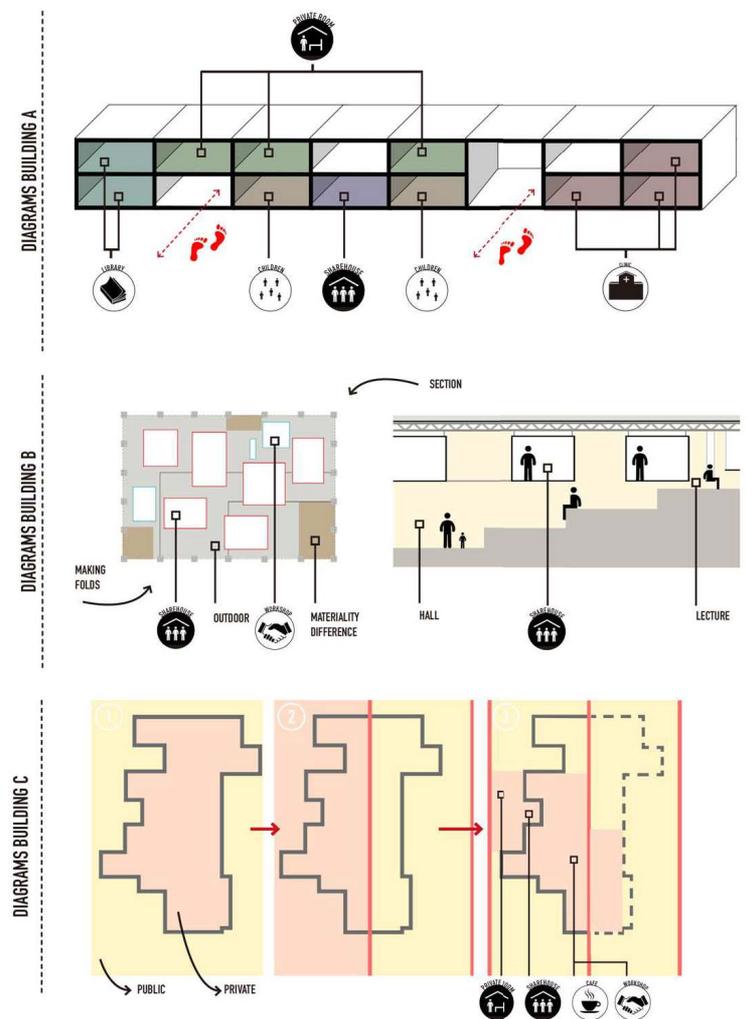


### ARCHITECTURAL CONCEPT

#### NOW



#### PROPOSAL



# LANDSCAPE CONTINUITY

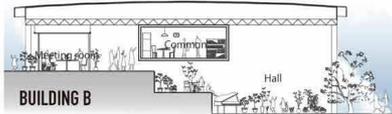
## ARCHITECTURAL CONCEPT



CONTINUOUS PLANTING LANDSCAPE  
IN COMMUNITY AUTONOMY

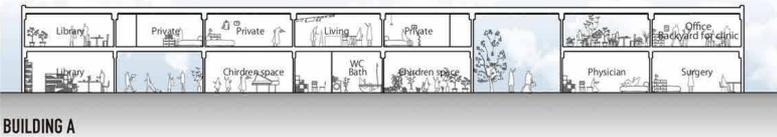


BUILDING C

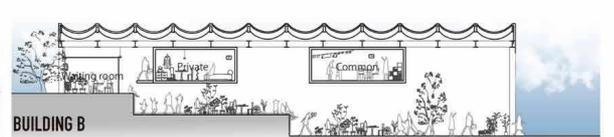


BUILDING B

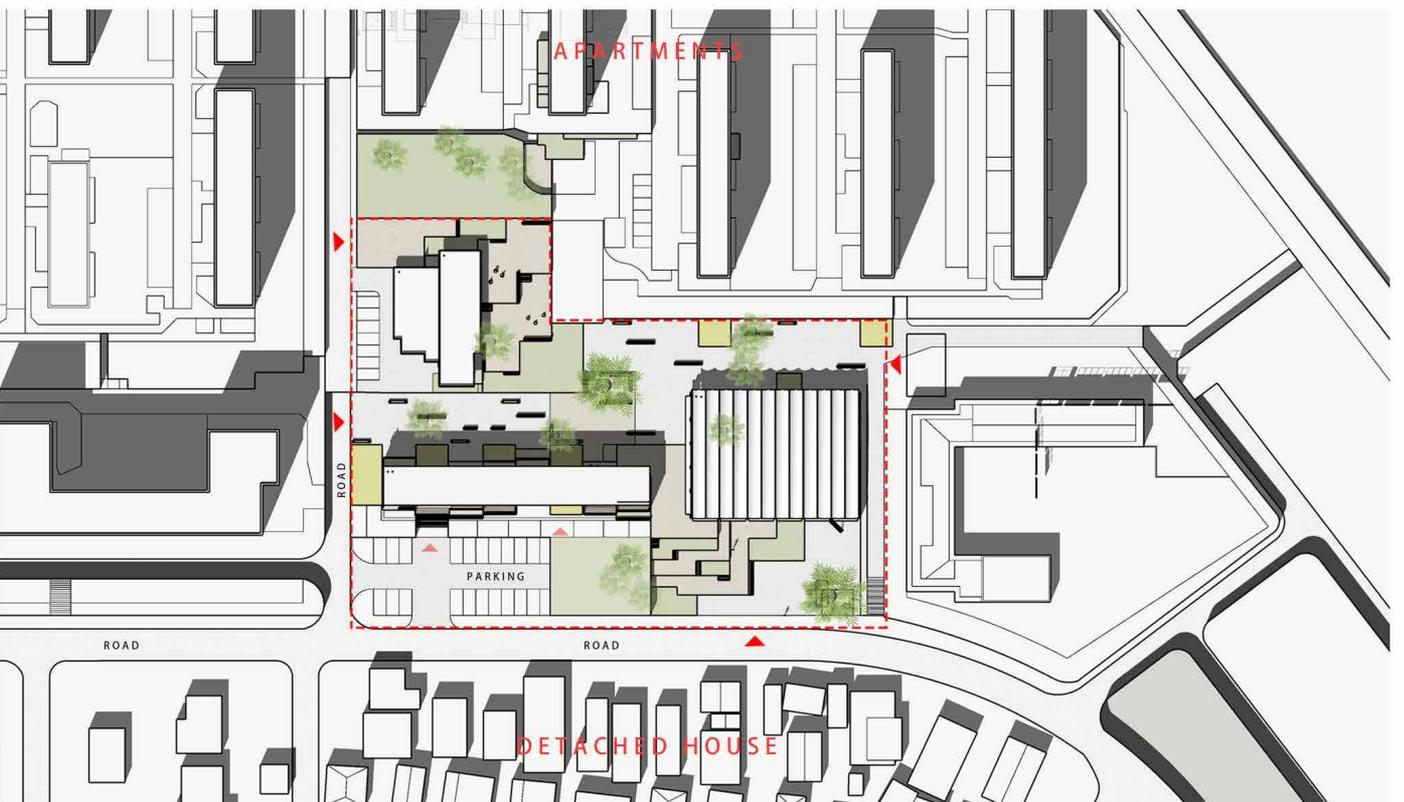
**POPULATION:** OLD & KID & THEIR FAMILY  
**ACCESSIBILITY:** MORE AND BIGGER TERRACES FOR OLD TO HAVE REST  
**ATTRACTION:** MAKE THE OLD AND KIDS WORKING AND LIVING TOGETHER  
**ENVIRONMENT:** CONSTRUCT A DIVERSITY LANDSCAPE GARDEN  
**CONNECTION:** CONNECT DIFFERENT REGIONS/BUILDINGS/GENERATIONS



BUILDING A



BUILDING B



SECTIONS

MASTER PLAN

# MAKING FOLDS

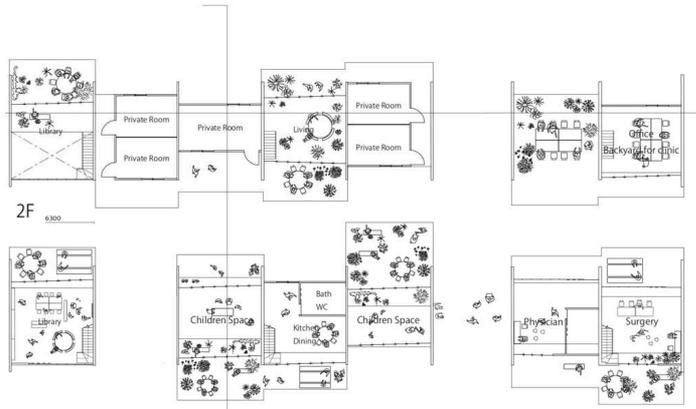
## ARCHITECTURAL CONCEPT



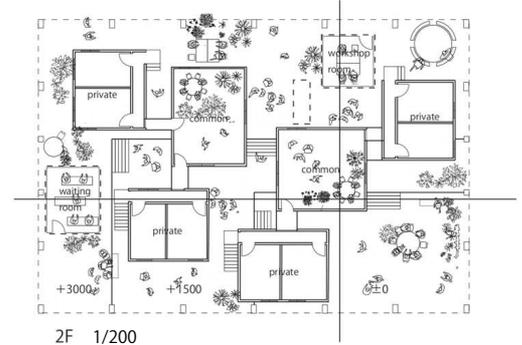
BUILDING A



BUILDING B

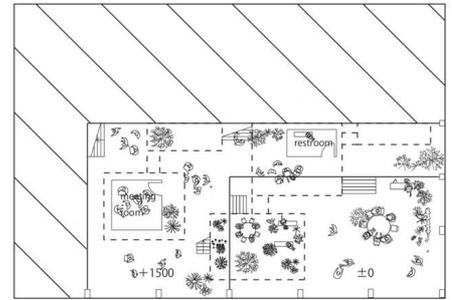
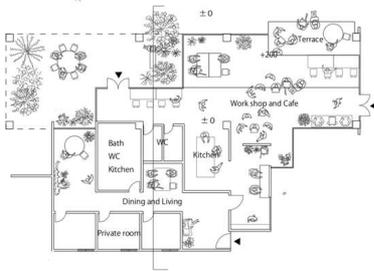


1F 1/200

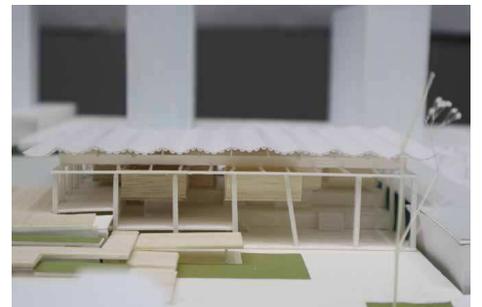
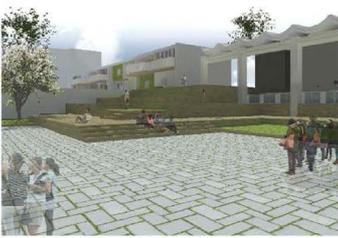


2F 1/200

BUILDING C



1F



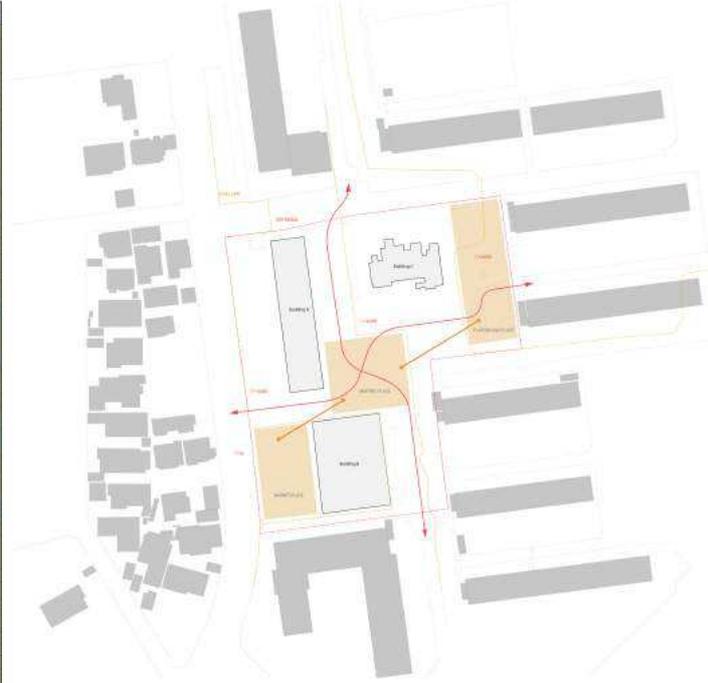
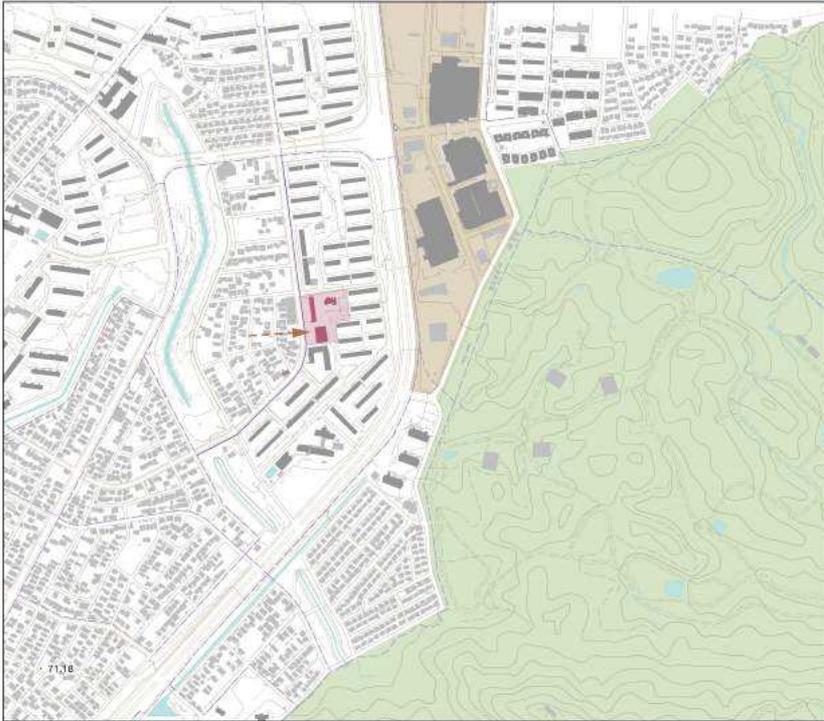


Diagram of concept



*Revitalize the neighbourhood*

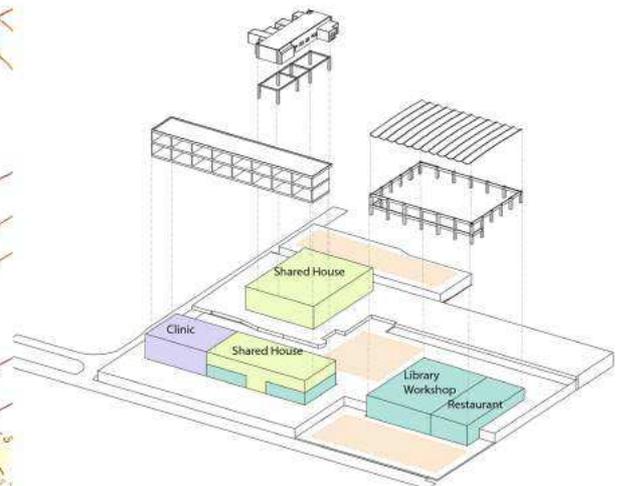
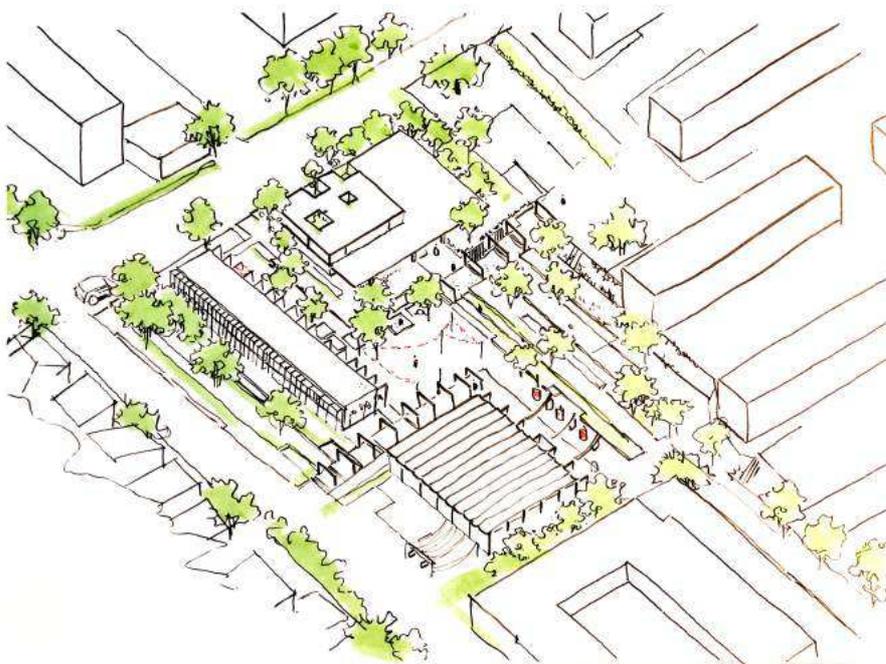
↓

*Attract people and create a place of communication*

↓

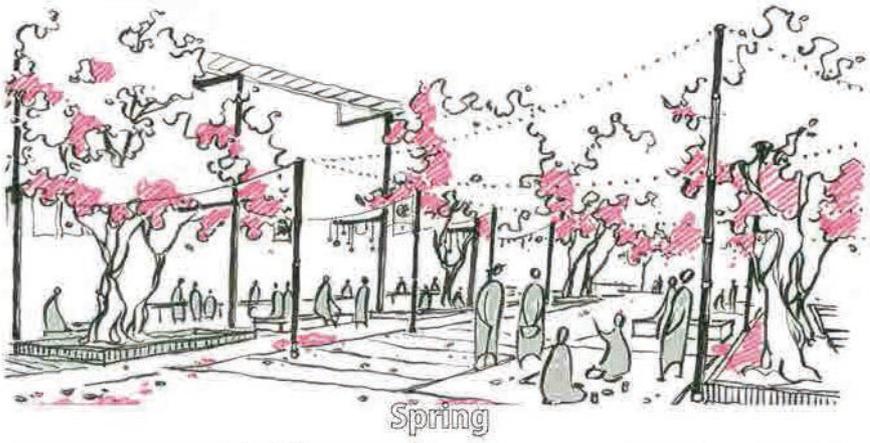
*Create activities of transmission between old and young*

Childrens Road



Fonction and existant structure

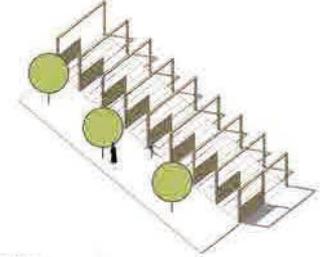
# Our Topic



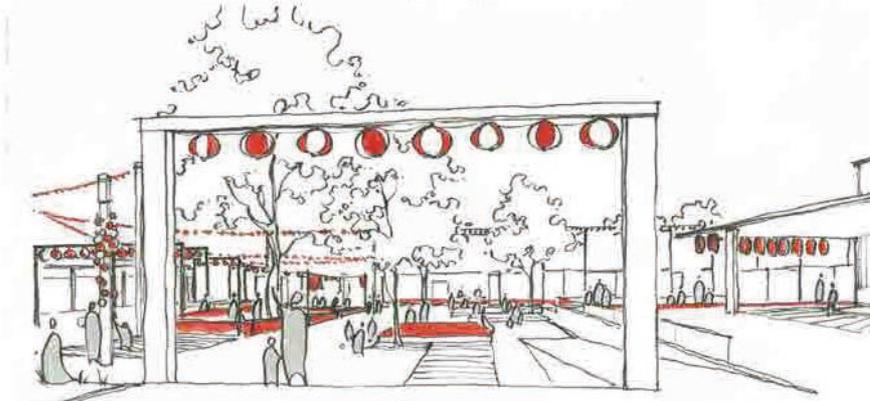
Spring



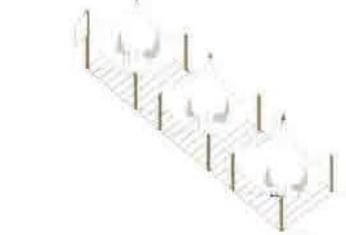
Club



gallery



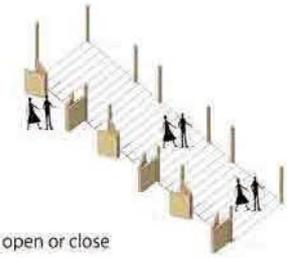
Summer



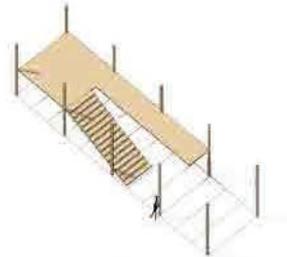
rest and eat



Autumn



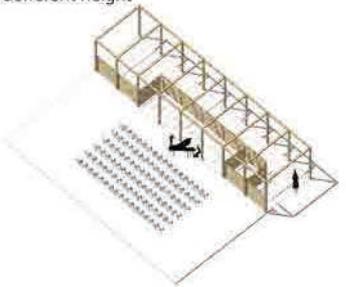
open or close



defferent height

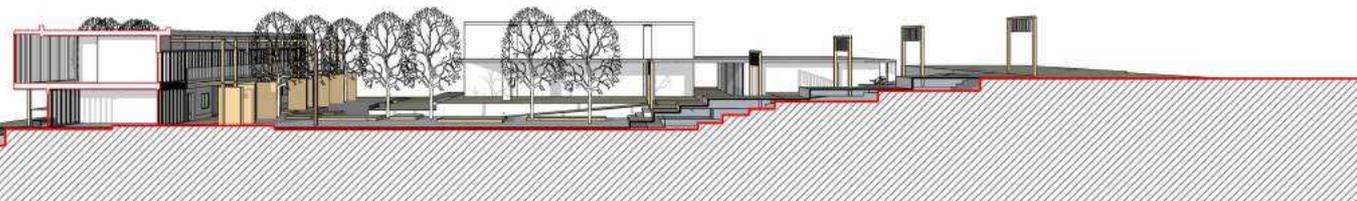
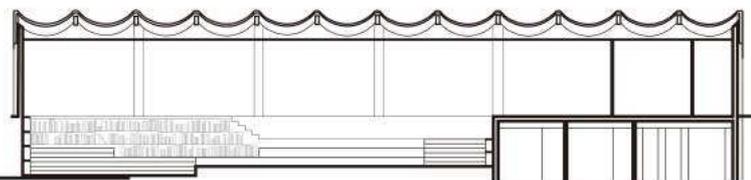
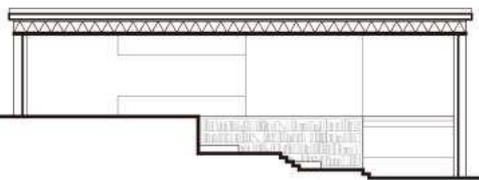
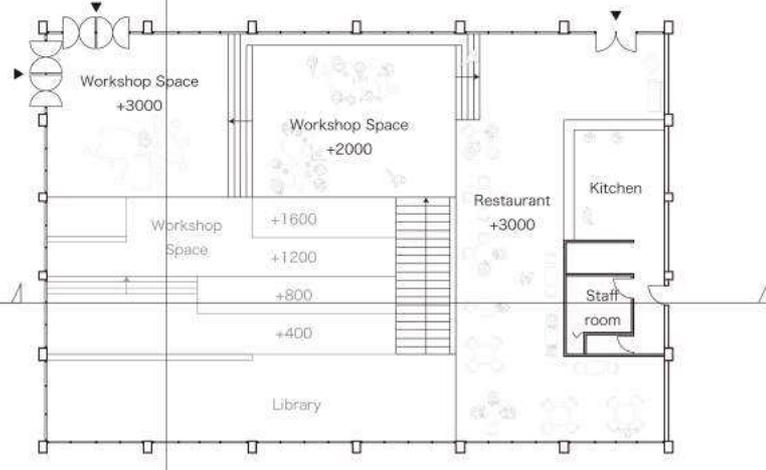
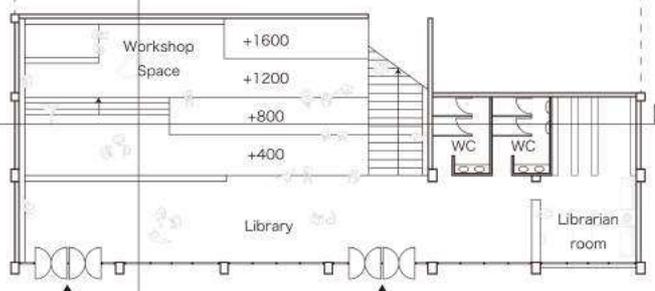
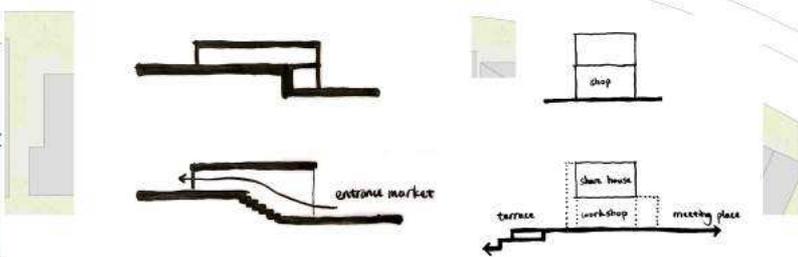


winter

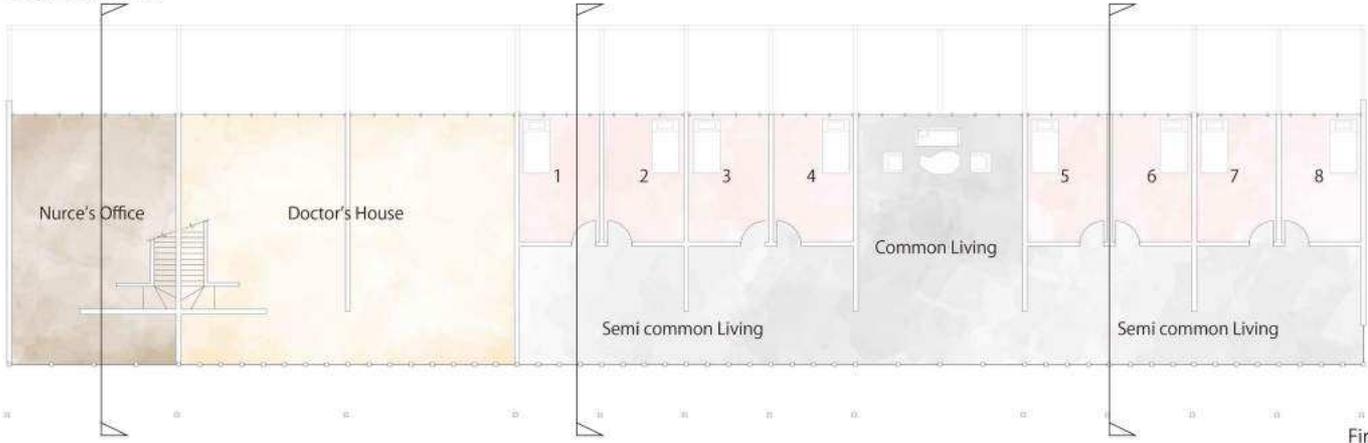


performance

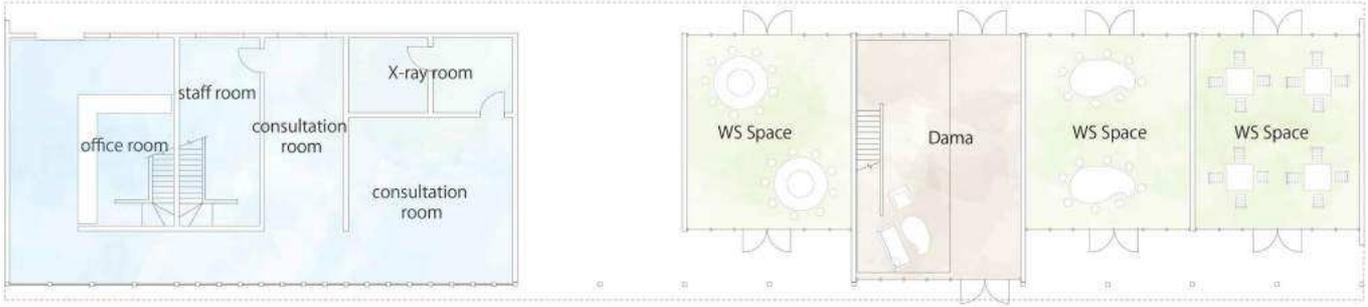




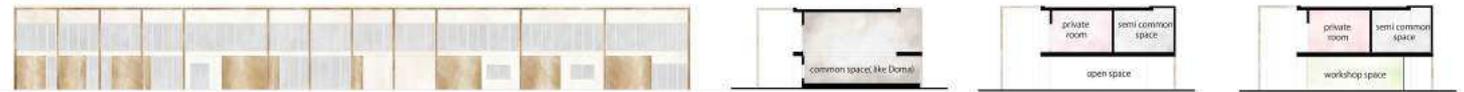
# BUILDING A



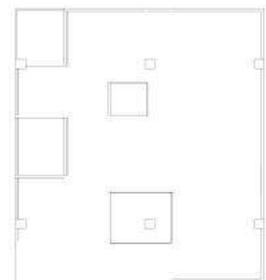
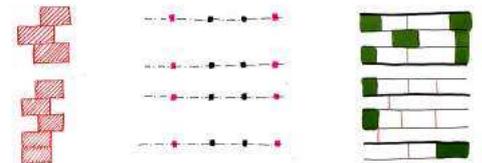
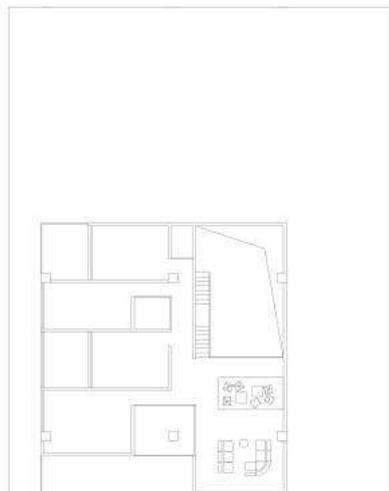
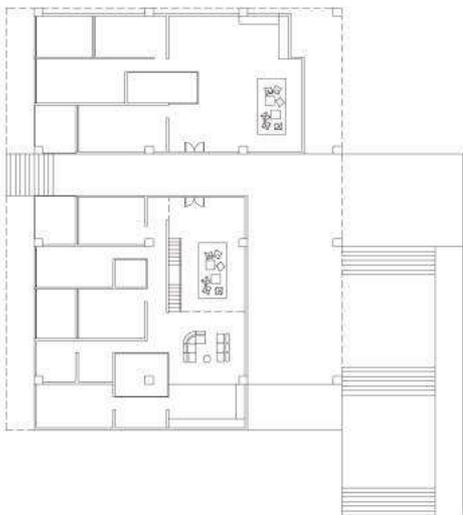
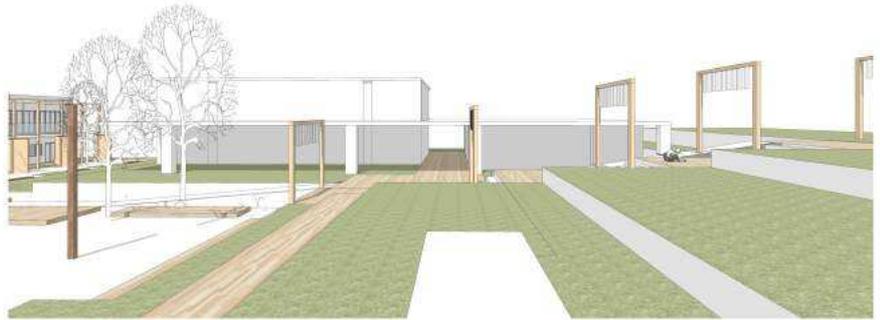
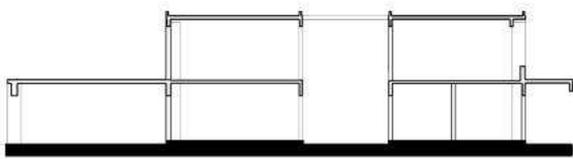
First Floor 1/100



Grand Floor 1/100



# BUILDING C





# REACTIVATING SUB-CENTER WITH BOXES

Group.7  
Tomohiro TSUMURA / Fania OCTAVIA  
Benjamin JALET / Guillaume PIGNOL  
Dongyi LI / Yuheng LIU / Yutong WU

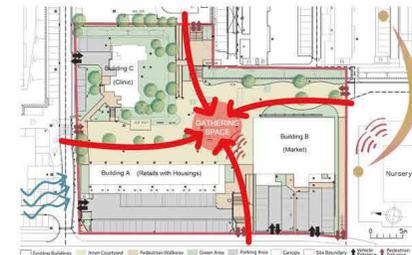
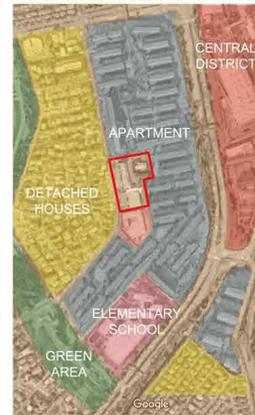


KOZOJI NEW TOWN



Location	Kasugai, Aichi, Japan
Builder	Urban Renaissance Agency
Project Schedule	1960: Planning and design began 1963: "New Town" Development Policy 1966: Construction began in February 1968: The first batch of residents moved in
Planning Area	702 ha
Planning Population	81000 people
Partition	Seven residential areas and one Central Business District

SUB-CENTER IN IWANARI-DAI DISTRICT



## PROBLEMS IN THE SUB-CENTER

very few people come

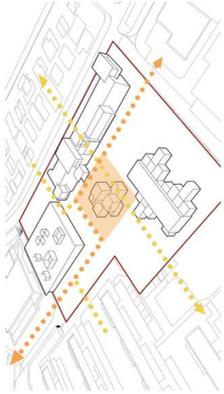
unattractive place

weak connection to surroundings

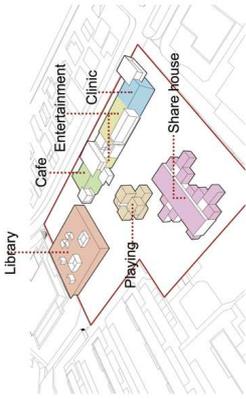
The aim is to regenerate the sub-center to be a new, interesting, and connected space for mixed-generations of people to come and gather.

**DIAGRAM**

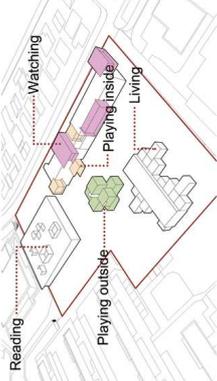
AXIS DETERMINATION



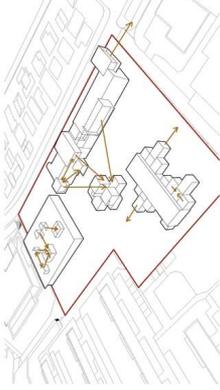
FUNCTIONS OF THE THREE BUILDINGS



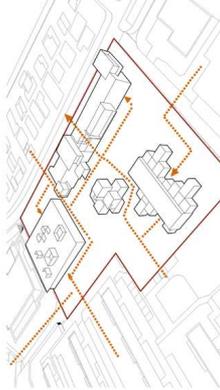
DIFFERENT BOXES IN DIFFERENT BUILDINGS



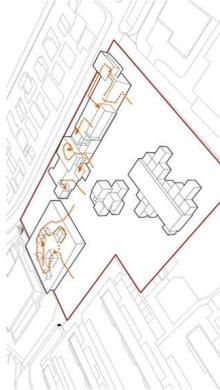
SIGHT IN THE SITE



EXTERNAL STREAMLINE



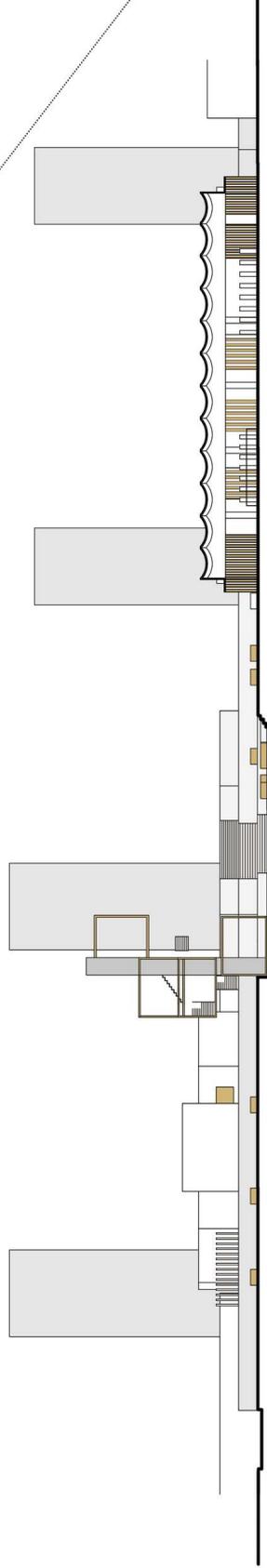
INTERNAL STREAMLINE



SITE PLAN 1:500

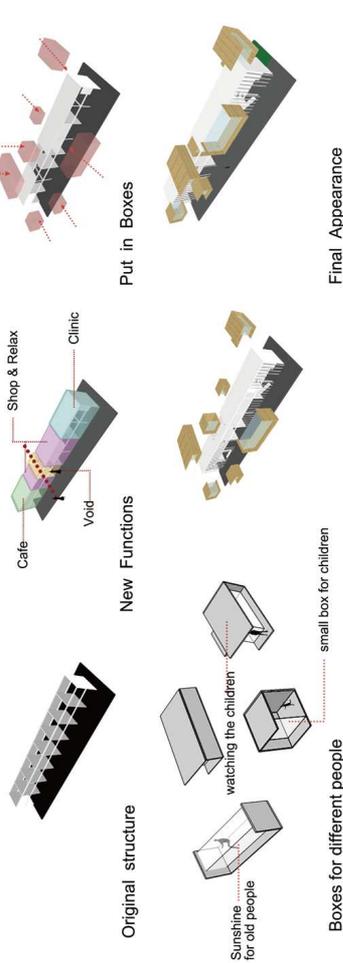


SECTION OF THE SITE 1:200



# BUILDING A —CLINIC & ACTIVITY

## BOXES GENERATION

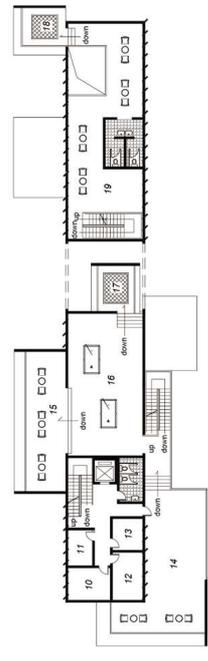


FIRST FLOOR PLAN 1:200



- 1 Exam Room
- 2 Drugstore
- 3 Waiting Room
- 4 Rest Room
- 5887 Children's Room
- 8 Pastry
- 9 Cafe

SECOND FLOOR PLAN 1:200

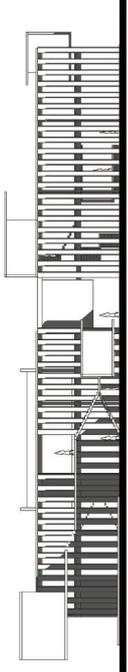


- 10&11 Doctor's Room
- 12 Nurse Station
- 13 X-Ray Room
- 14&15 Elder's Box
- 16 Activity Room
- 17&18 Children's Box
- 19 Cafe

EAST ELEVATION 1:200



WEST ELEVATION 1:200

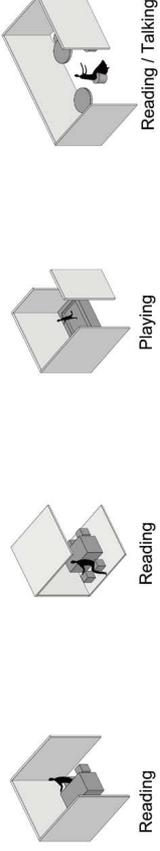


SECTION A-A 1:200

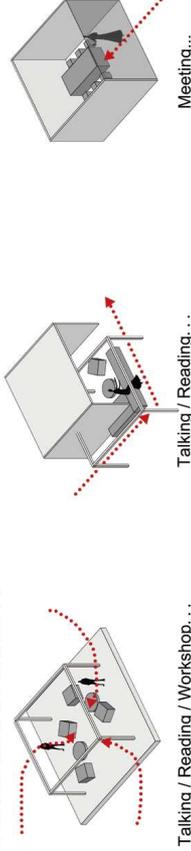


# BUILDING B —LIBRARY

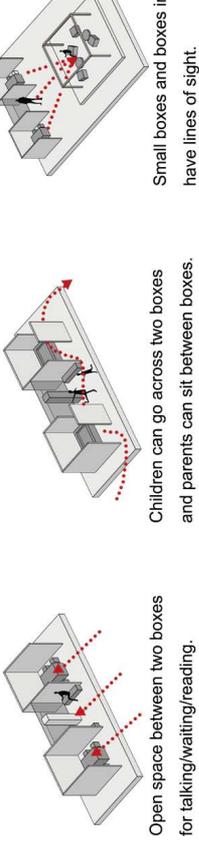
## BOXES ON THE SIDE



## BOXES IN THE CENTER



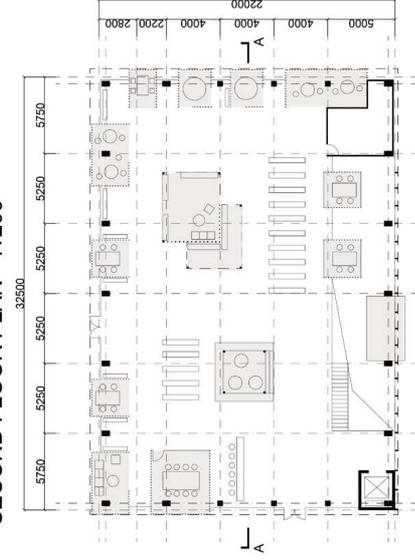
## RELATIVE LOCATION OF BOXES



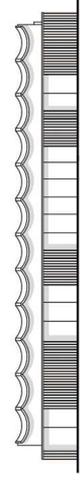
Open space between two boxes for talking/waiting/reading. Children can go across two boxes and parents can sit between boxes.

Small boxes and boxes in center have lines of sight.

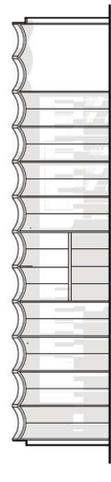
SECOND FLOOR PLAN 1:200



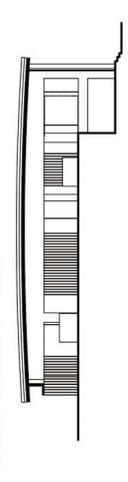
EAST ELEVATION 1:200



WEST ELEVATION 1:200



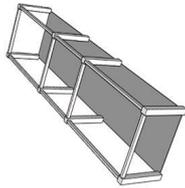
SECTION A-A 1:200



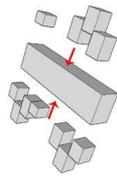
# BUILDING C — SHARED HOUSE

# LANDMARK IN THE CENTER OF THE SITE

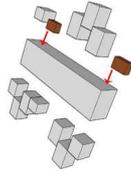
## SHAPE OF BUILDING



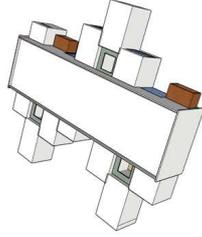
Existing Structure



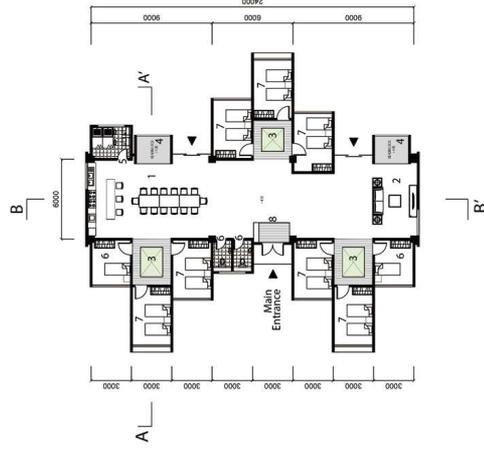
Adding sub-masses into the main mass



Adding The Boxes



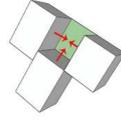
Final composition



FLOOR PLAN 1:200

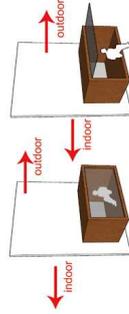
- 1: Kitchen and Dining Room
- 2: Shared Living Room
- 3: Inner Garden
- 4: Reading Box
- 5: Bathroom and Laundry room
- 6: Single Bed Room
- 7: Shared room
- 8: Corridor

## SPACE ORGANIZATION

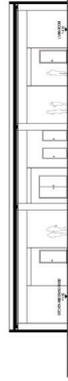


Three rooms are positioned surrounding a void and it becomes the rooms' private inner garden

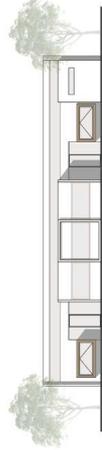
## READING BOX



Small reading room within a box that pops out of the building. The window can be closed and can be opened as wishes



SECTION B-B' 1:200



SOUTH ELEVATION 1:200



SECTION A-A' 1:200



NORTH ELEVATION 1:200

