898543

POLIMI

SINCE 1863

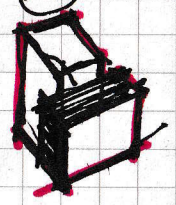
2452, 35

· DESIGN AS LITTLE AS POSSIBLE.

· A KIT OF PARTS.

· conditional design | Elemental Architecture

page 26



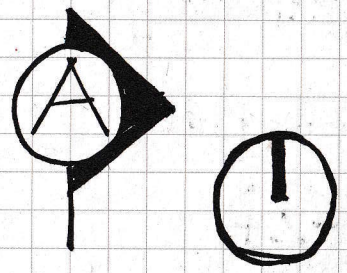
Operation | - Interlock

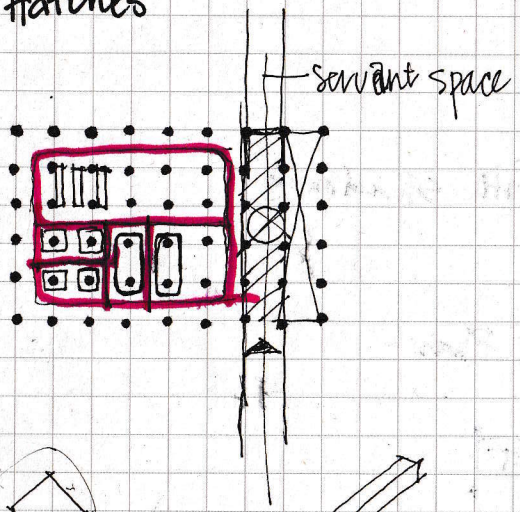
· Express spatial qualities

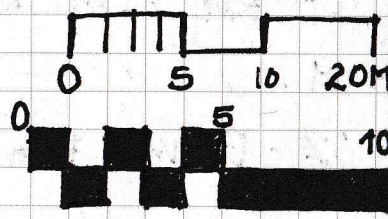
· Graphic Scales

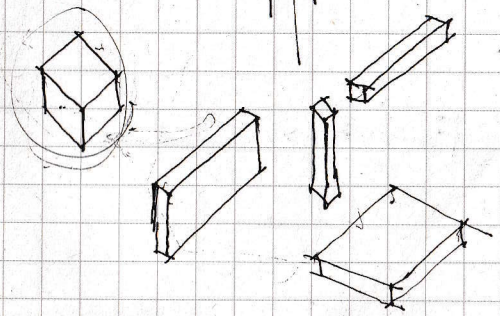
· Symbols

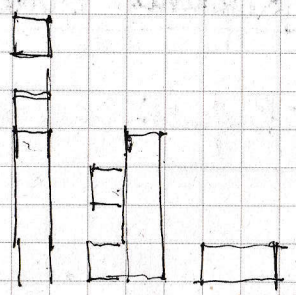
· Hatches



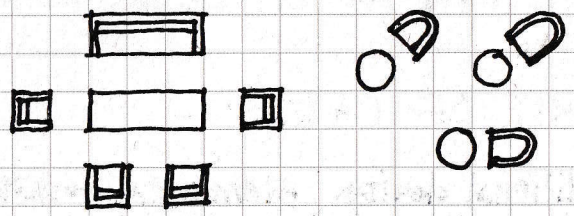


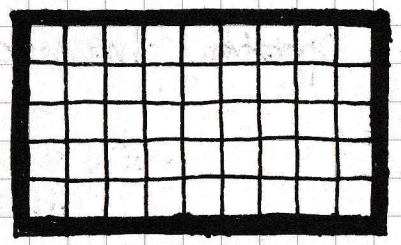






6200





[Entourage]

Z-

Site Plan

-Z+

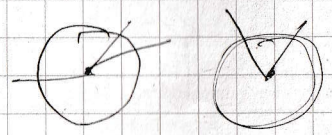
G - Roof Plan with shadows

01 -

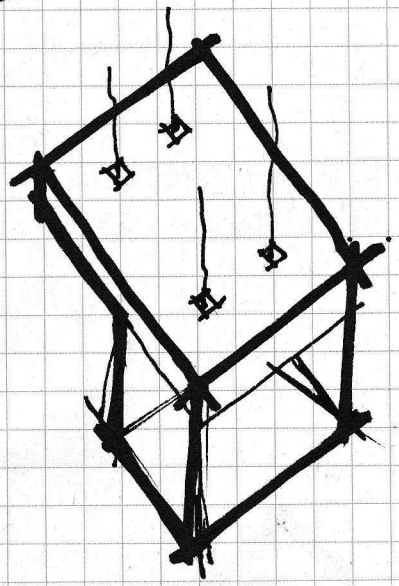
02 - Ground Floor Plan

Reference BOOKLET

· Requalification of Facades.



SHAPE OPEN SPACES INTO EXPERIENCES



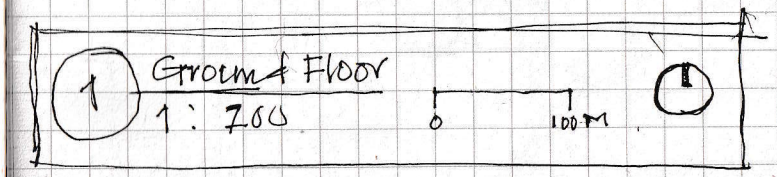
DESIGN CONCEPT- HIGHLIGHT

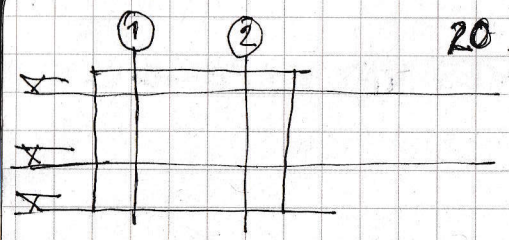
· A KIT OF PARTS ·

KIT OF PARTS

· Form Space and order (14 of 466)

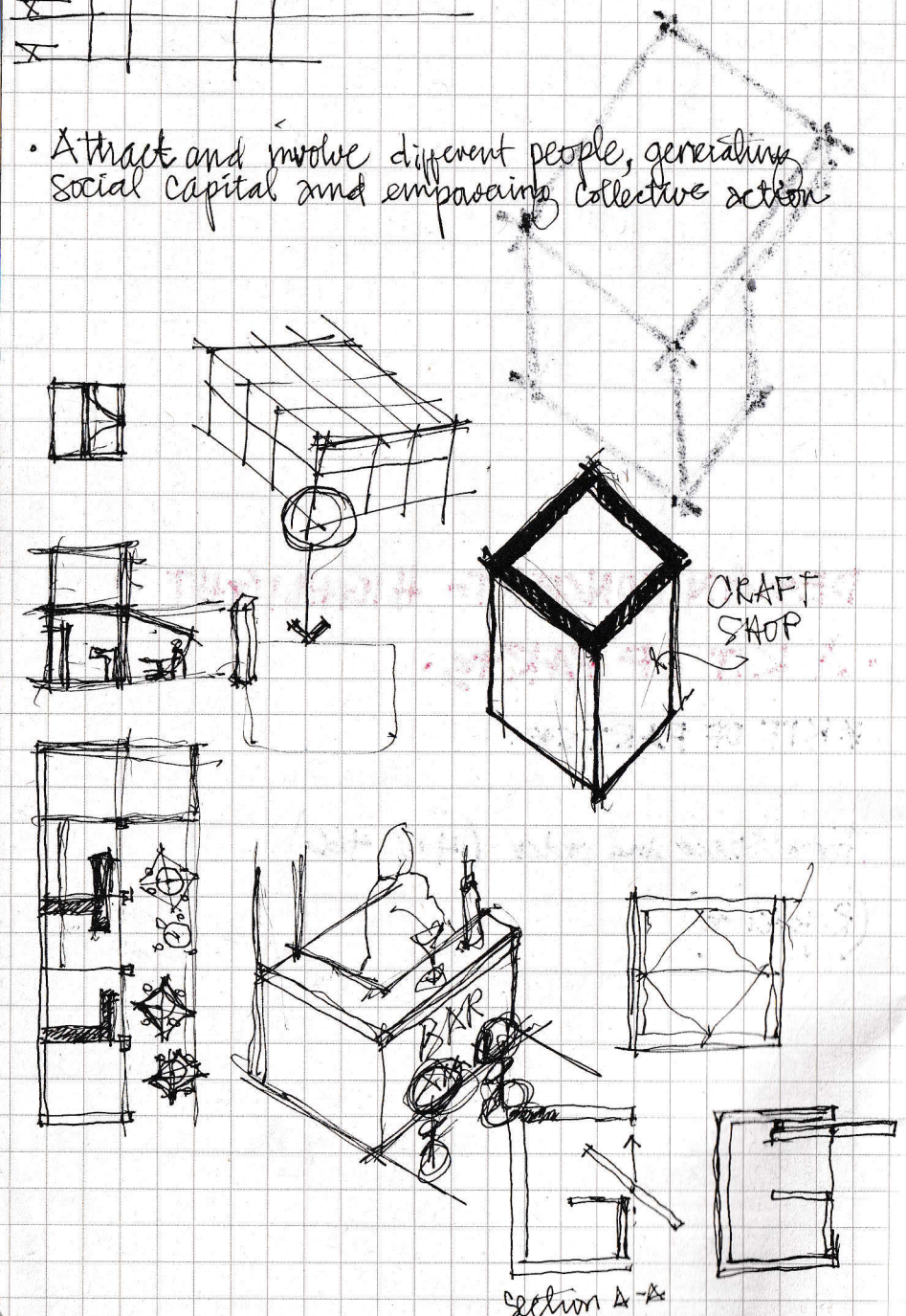
(Reference)





20 248 | 1 631

• Attract and involve different people, generating social capital and empowering collective action



Module A

Modudule B

D Not ~~solutio~~

B-A

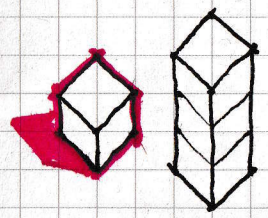
CONCEPTUALLY

• A KIT OF PARTS

• Architectural decrease
• develop the best way you can.
•

FUNDAMENTAL BUILDING BLOCKS.

• XPS FOAM – MODELING BLOCKS

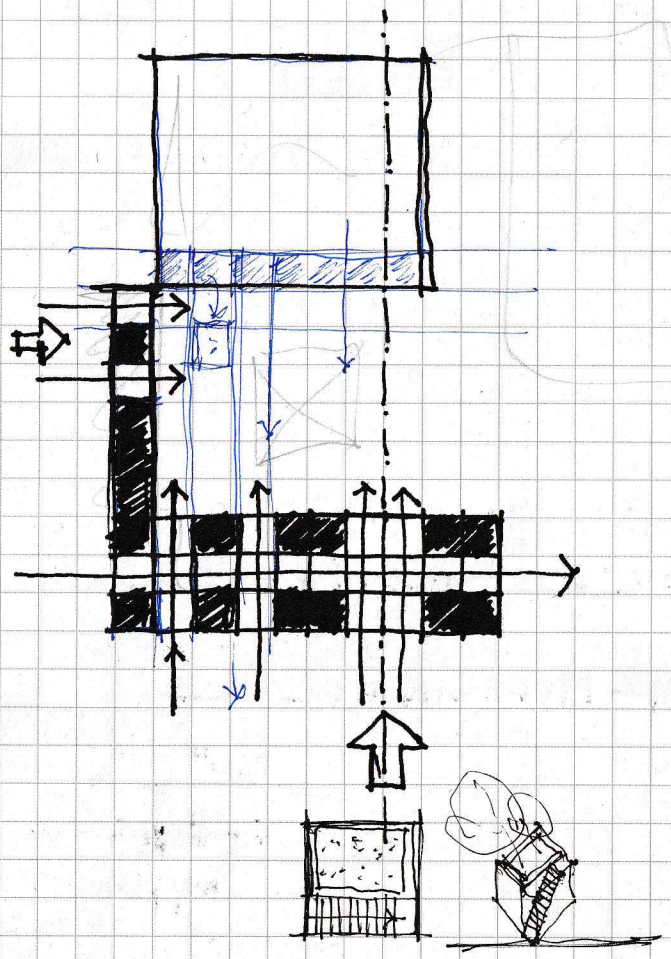


DUDDLBUG

351064556 4

20151

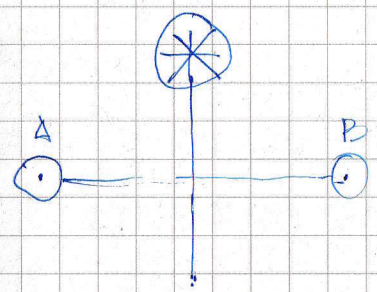
Sheet No.



- Regional - Administration
- neighbourhood - Ming Wall
- block - East Corner
- buildings

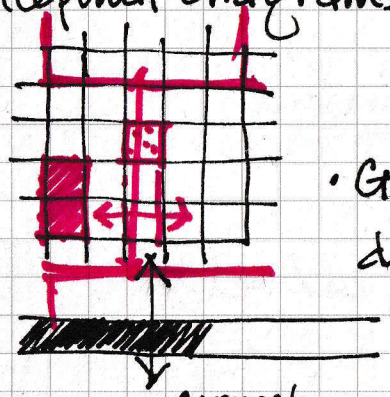
residential & highway = residential

yes:



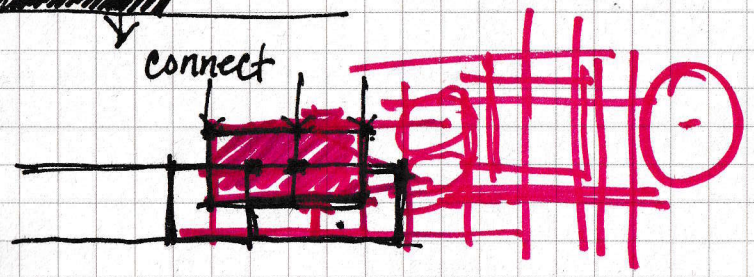
Differentiate

- Lots
- roadways
- paving
- grid system emphasis
- Conceptual diagrams



- Grid as an ordering device

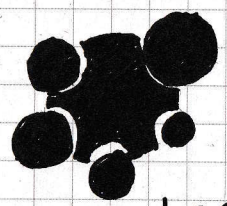
connect



PLAN TO SECTION

· ADS2

· Landscape ·



LOGO'S FOR CONCEPTS

· ASSET

- Pictures | references*

↓

SIZE

↓

· Naming Conversion

Same width for images
+ [height varies]

+ don't exceed 52 characters per line

Urban Analysis

An effective oral presentation of a studio project begins ~~the~~ with the general and proceeds toward the specific.

① State the design problem assigned.

② Discuss the values, attitude and approach to the design problem.

③ Describe your design process and the major discoveries and ideas you encountered along the way.

④ State the 'parti', or unifying concept, that emerged from your process. Illustrate this with a simple diagram.

⑤

10% SKY

40% TREES

60% GLAZING

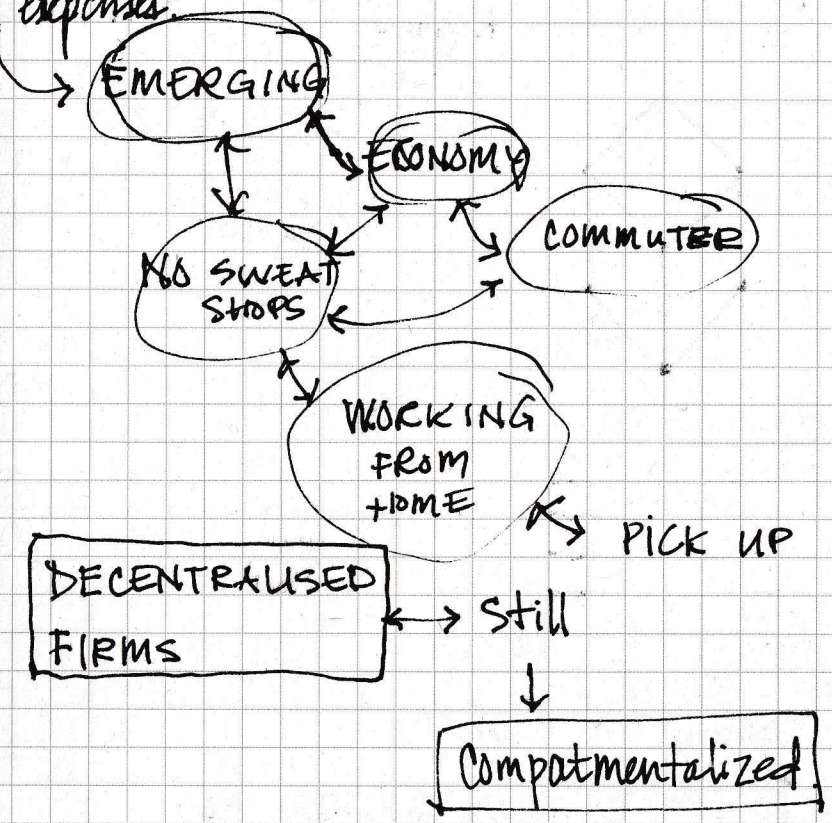
80% SECTION CUT

- GRID WILL ALWAYS REMAIN
- SKELETON
- MEMBRANE
- CONCRETE
- Peter Eisenman

+ THE GRID WILL ALWAYS REMAIN.

THESIS

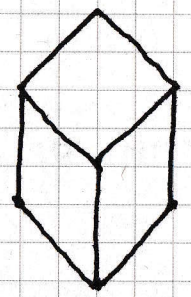
"Imagine firm workers, working from home so that they don't incur excessive expenses."

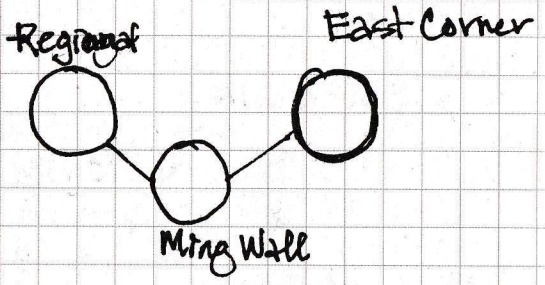


· RAL COLOURS

— Xi'an Urban Layout

+ 1.3.1





· Manual of Section

- to break down buildings at building level of analysis.

→ Section

SHADE

TEXTURE

+ Remove illegal Building

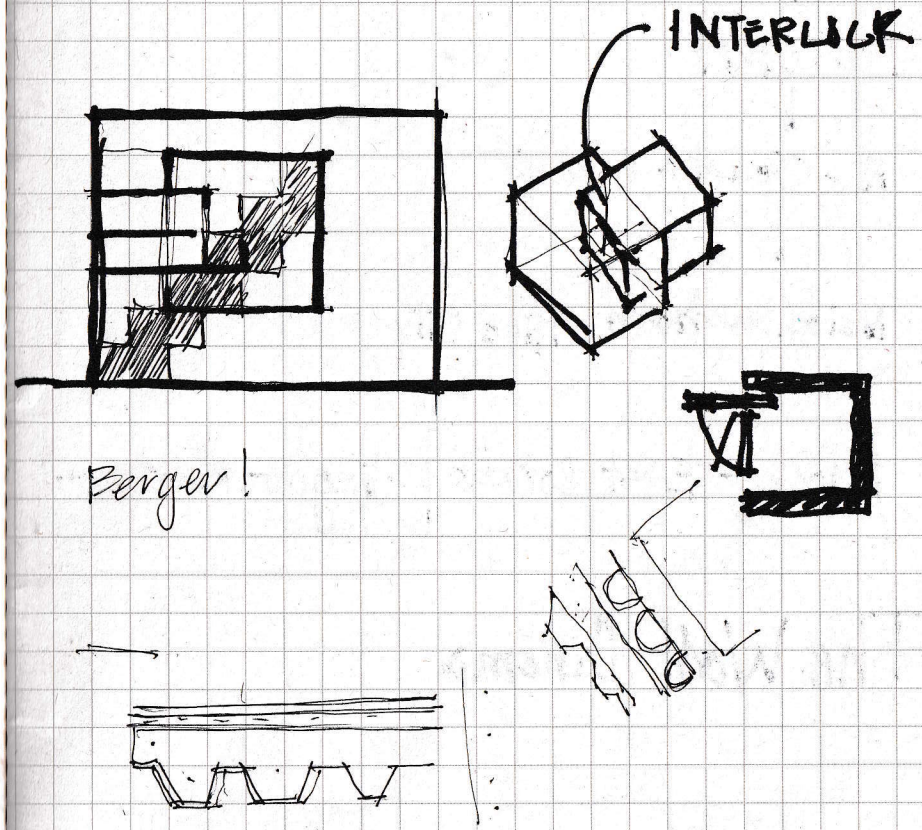
+ Requalify existing Buildings that

+ Francis D.k. Ching.

+ Axis.

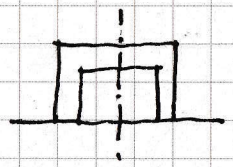
+ MING WALL + GATES.

+ HISTORICAL TRACES.



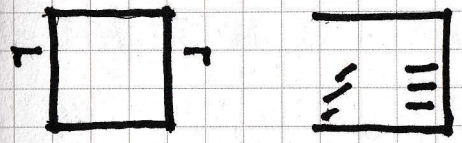
· Framing Moments

+ Chinese traditional Screen



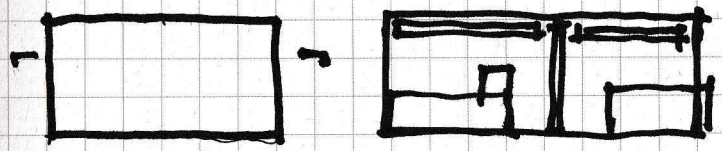
The Grid
↓
Regional - Chang
↓
Neighbourhood - Ming City
↓
Block - East Corner | Jinguo Market.

+ The Wall Cinema

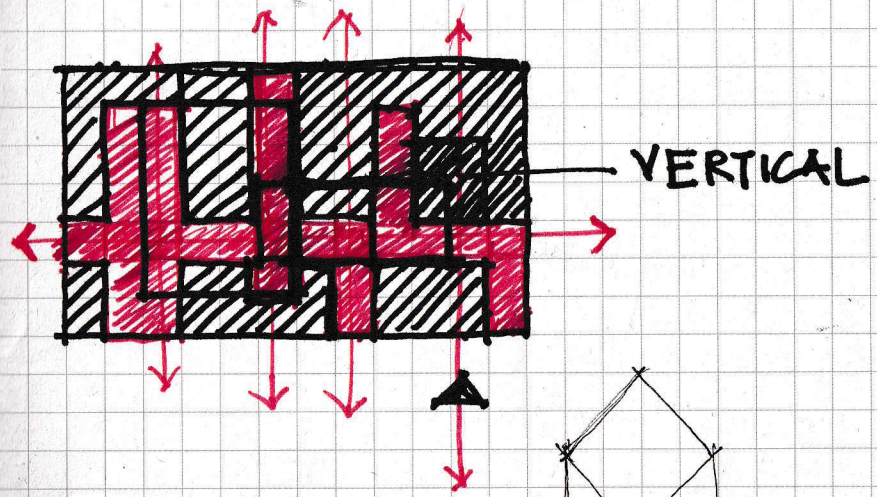


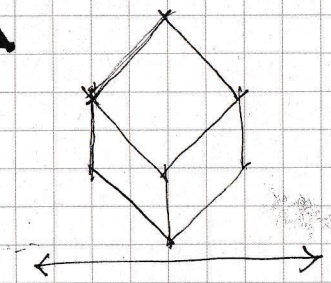
Street Food A (

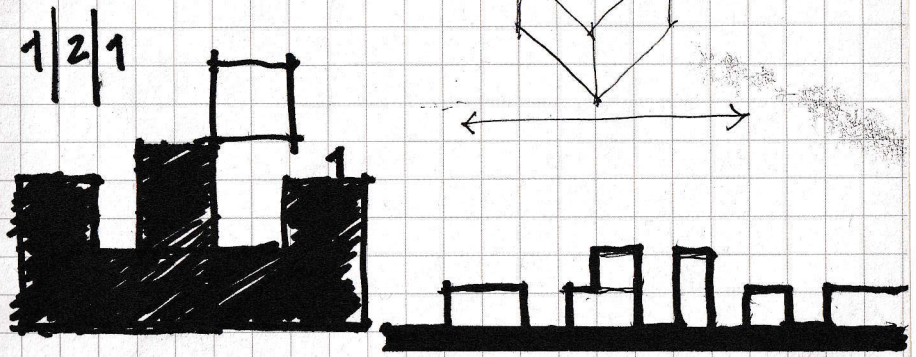
Street Food B (*)



- Module H - Street Food





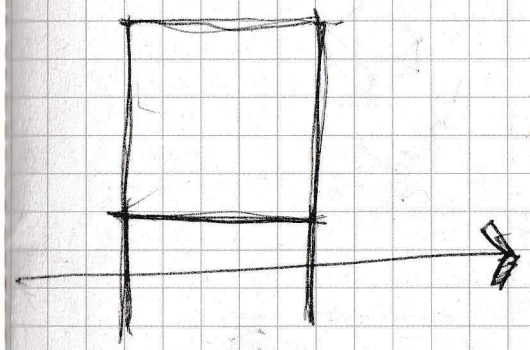


HISTORICAL | LOCATION IN THE WORLD

- REGIONAL
- NEIGHBOURHOOD
- BLOCK | LOT
- BUILDING |

SCALE OF PROJECT
REFLECT THE PERIOD

- the industrial skeleton



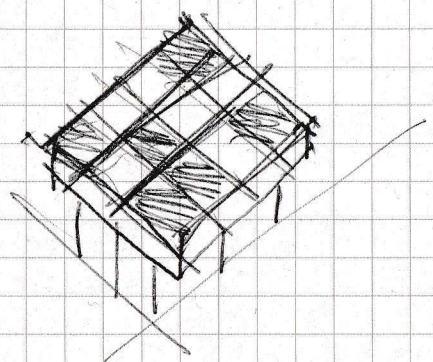
[WHAT DOES IT BELONG SYSTEM] TO WHICH

- NO COOKIE CUTTER |

WHAT MAKES

- MIES

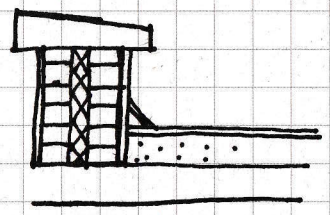
LABRYNTH



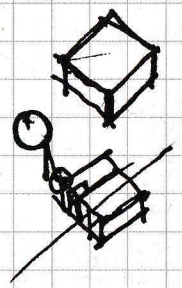
!NICHE

COLAGE | REDESIGN THE COLLAGE

* Parapet - Detail

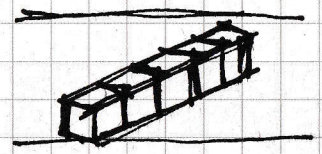


Basement Detail



+ Primary BEAM

+ Secondary Beam



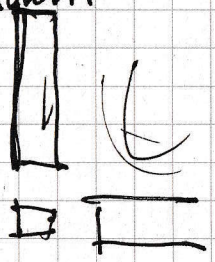
+ KEY PLAN

-597
-297

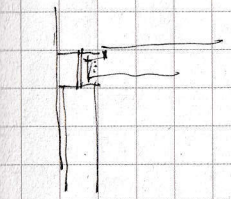
Trifolgio

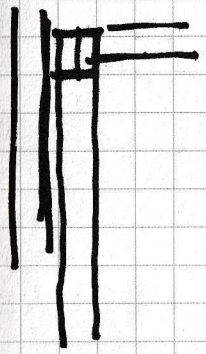
Structural

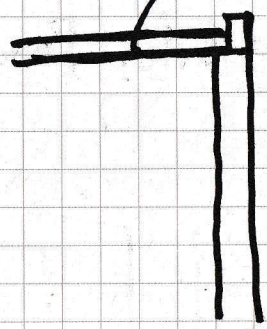
Audit.



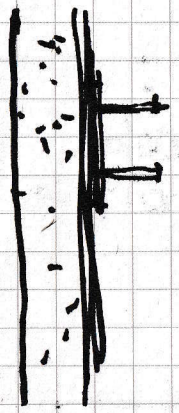
- Kwh to size Geothermal Heat pumps
- Water + water system.

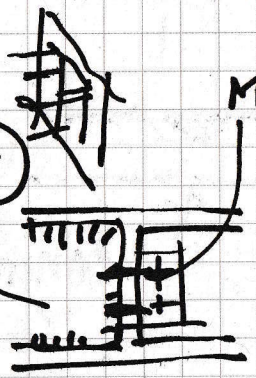






Secondary beam goes into





Stiffner

M16

HEA 3

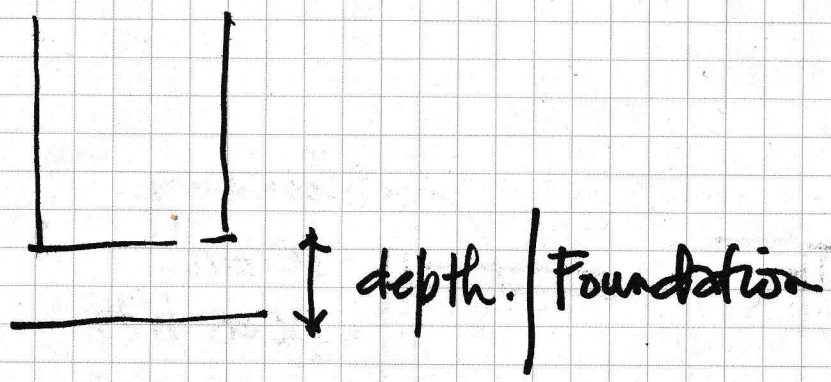
SAME COLUM

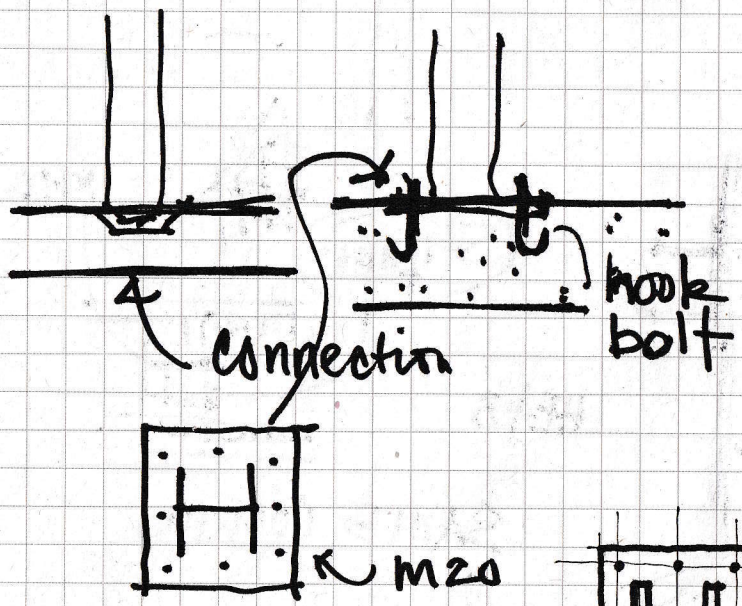
Isolation

M16 - Bolt resistance of the Bolt

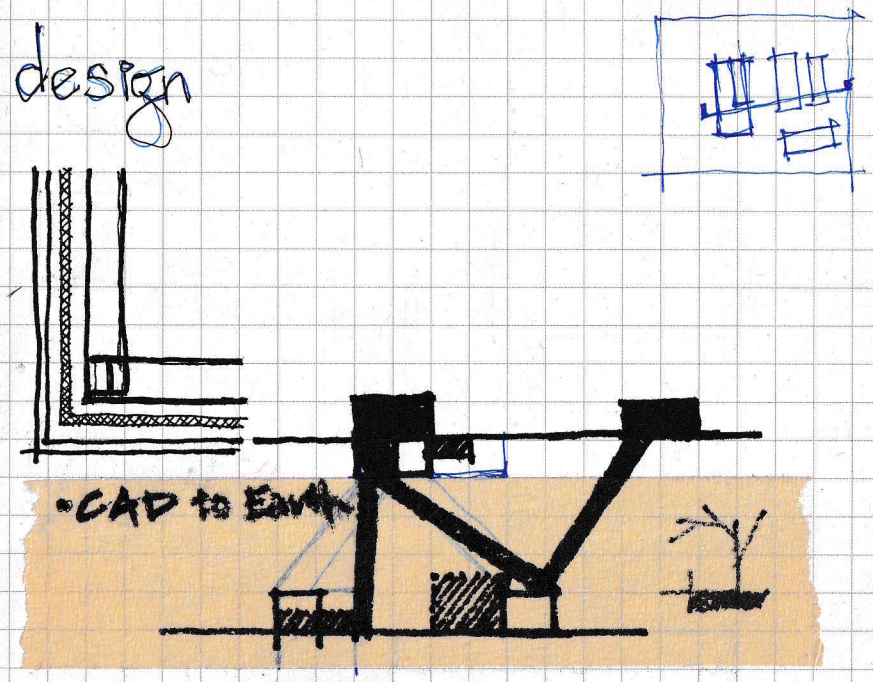
ISOLATION

Structure



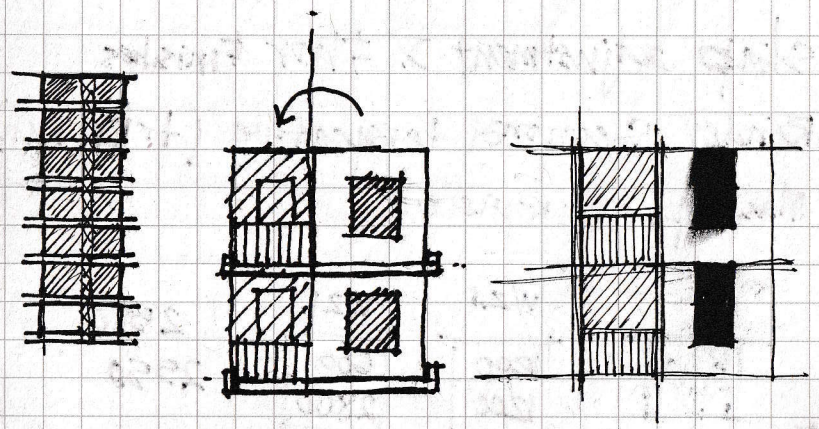


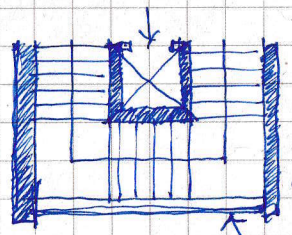
design



ARCHITECTURAL GRAPHICS . iso

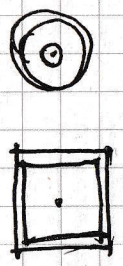
1. Sprandel Detail
2. Roof Drainage
3.

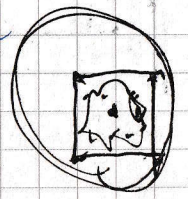


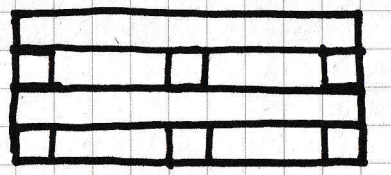


• Staircase Detail

curtain wall







① SOLVE with | Solid Element Operations

② coffered ceiling | to a degree

③. slab adjustment & floor finishes

④ Render Sectional perspective (trial run)

⑤ Masterplan review

W21 W21 2580

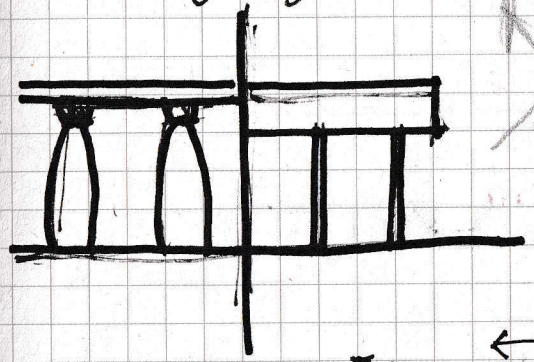
1200 600 2550

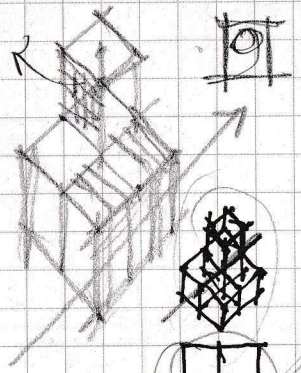
1200 2800

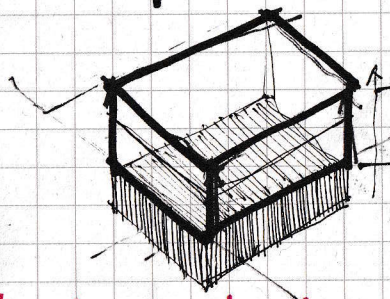
⑥ Fixing levels

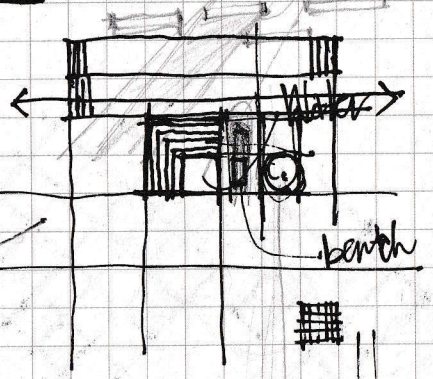
• Evolution of the city.

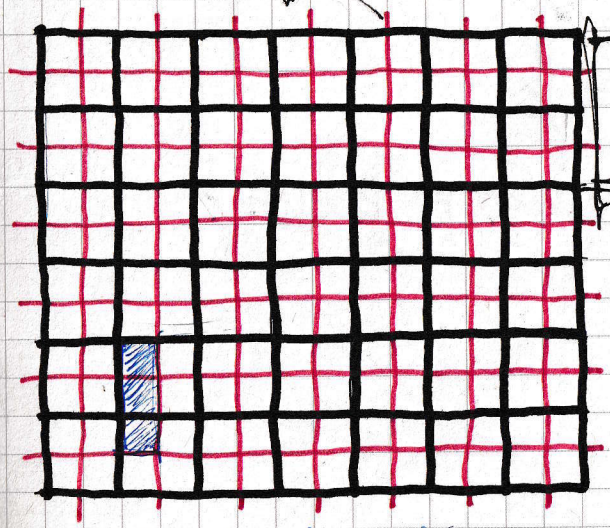
• Building Heights

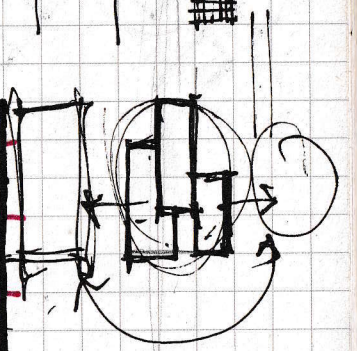












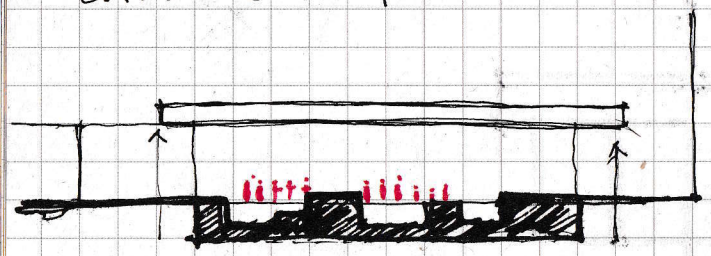
• infinite configurations

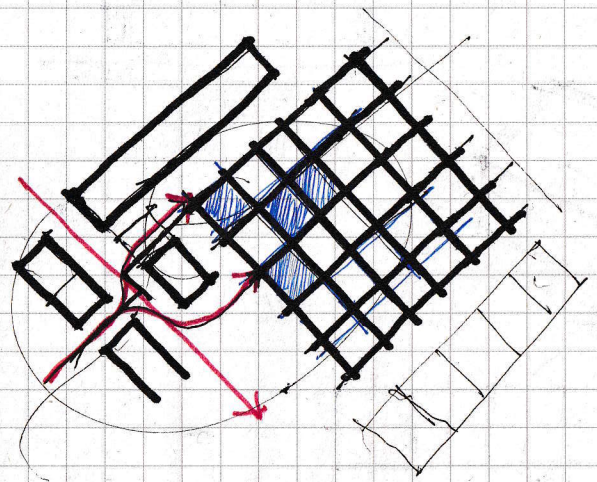
• base module

CASE STUDY 01

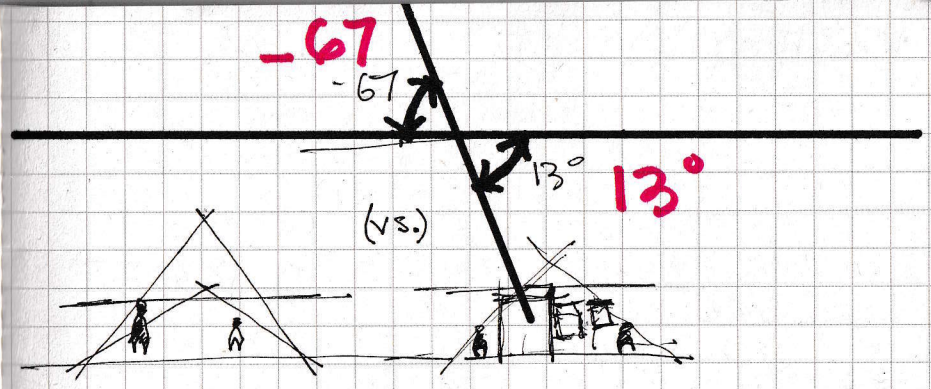
CASE STUDY 02

CASE STUDY 03

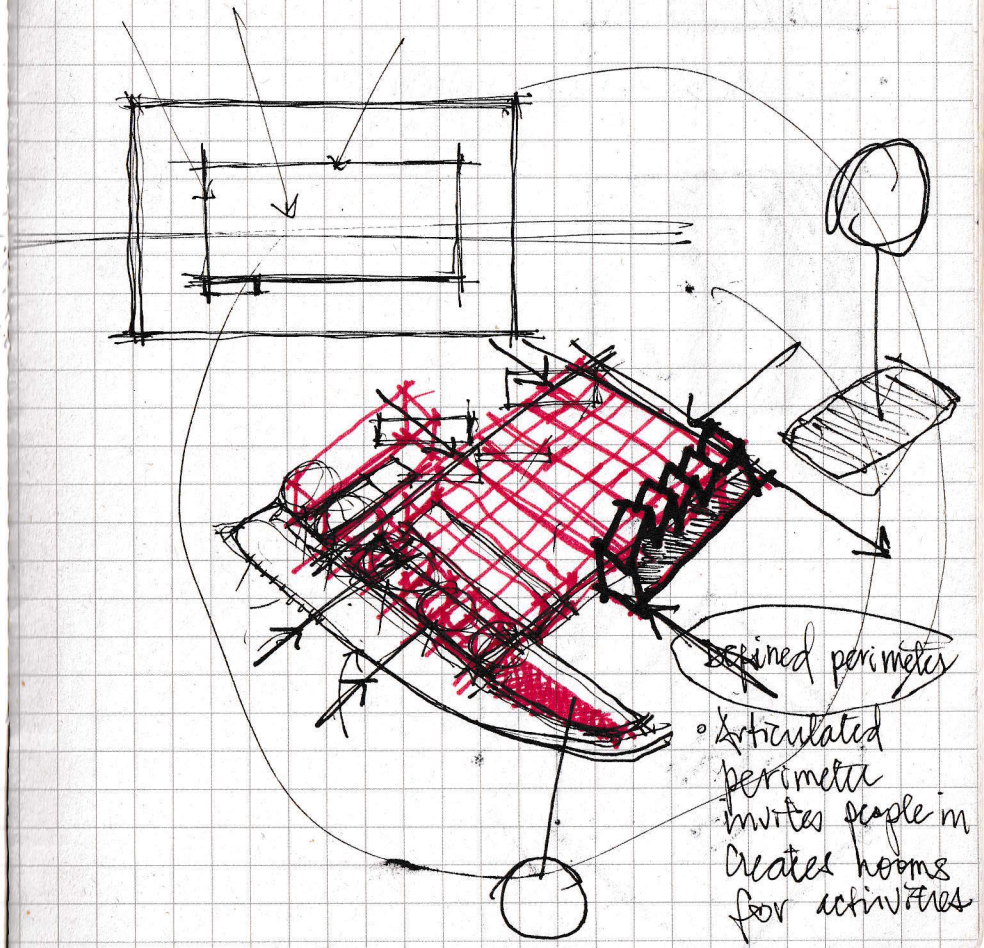




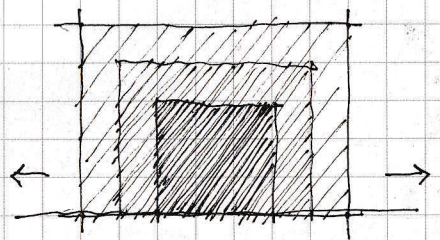
• Analysis of Buildings

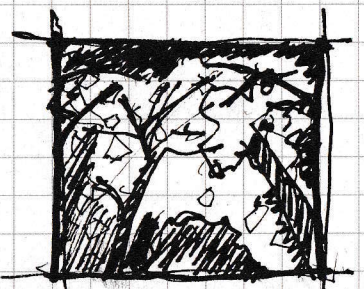


• flat vs. topography makes more depth
space seems more variety of experiences
small

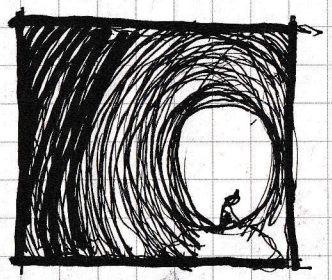


• FACTORY LAYOUT

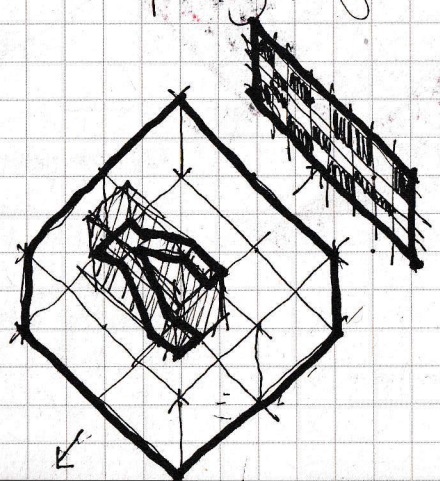


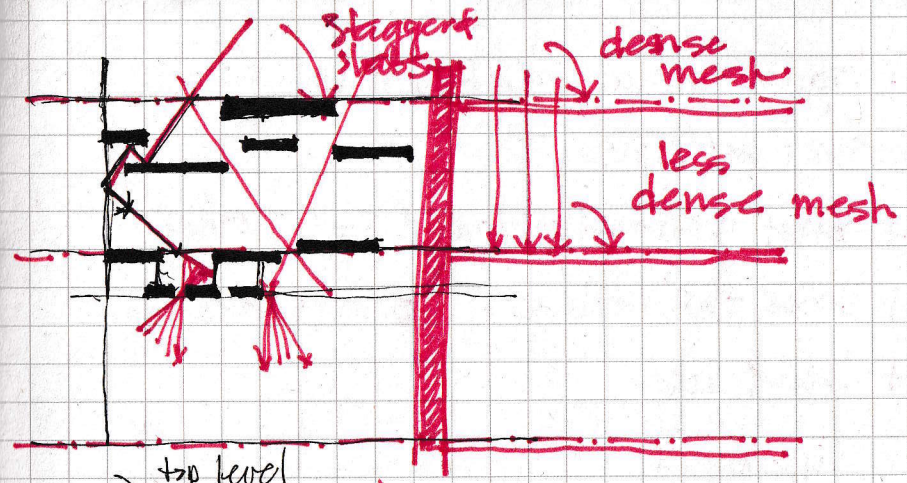


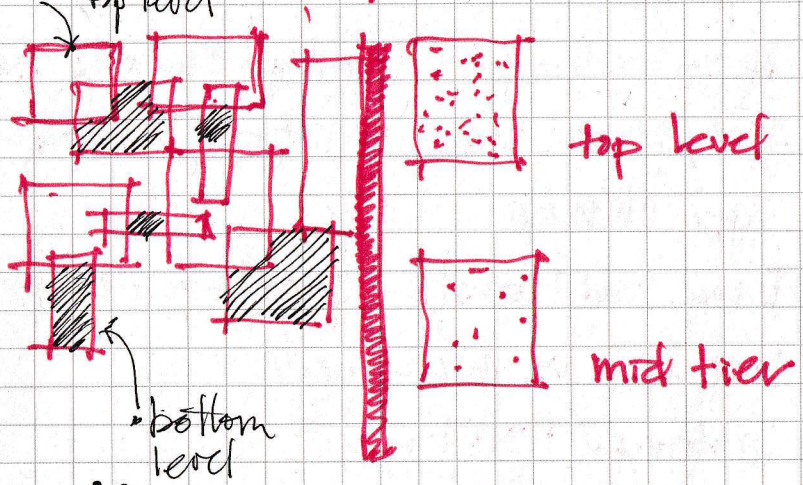
• tree canopy | light filtering

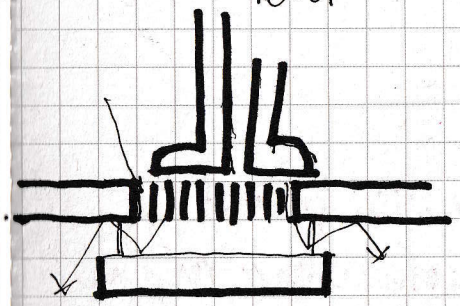


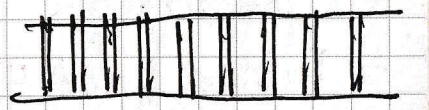
• cave opening | light diffused











+ Figure-ground relationship
+ Street patterns
+ Street section-horizontal vs vertical
+ scale - hierachy of form/space
+ Land use
+ Typologies
+ Neighbourhood relationship/changing street grid, formal street variation/building type change
+ Edge conditions/surfaces + materials
+ Natural vs. manmade
+ History (Prototype)*
+ Type vs program
+ Open space
+ Public green space vs. building
+ Access - pedestrian, vehicular, tram
+ Adjacencies
+ Circulation - vehicular vs. pedestrian
+ Pedestrian usage
+ Movement
+ Water elements
+ Climate - sun angles/sun shadows?
+ compared to Citta Studi the area is not kept clean/neat.

Problems:

- trash
- few resources
- fences
- light

Meeting Points
Library
Children
Dogs
Market
Coffee bar
Cultural
Birth day Celebrations
Shopping
Entrances
Mail Boxes
Energy
Work
Religion
Night activities
Sport
Symbol (iconic design)
self-refurbishment
Growth of food + Selling
Health
Cycling
Mobility
AESTHETICS
National products
Language learning
Social services
Education
Laundry
Guest Hotel
rainwater collection

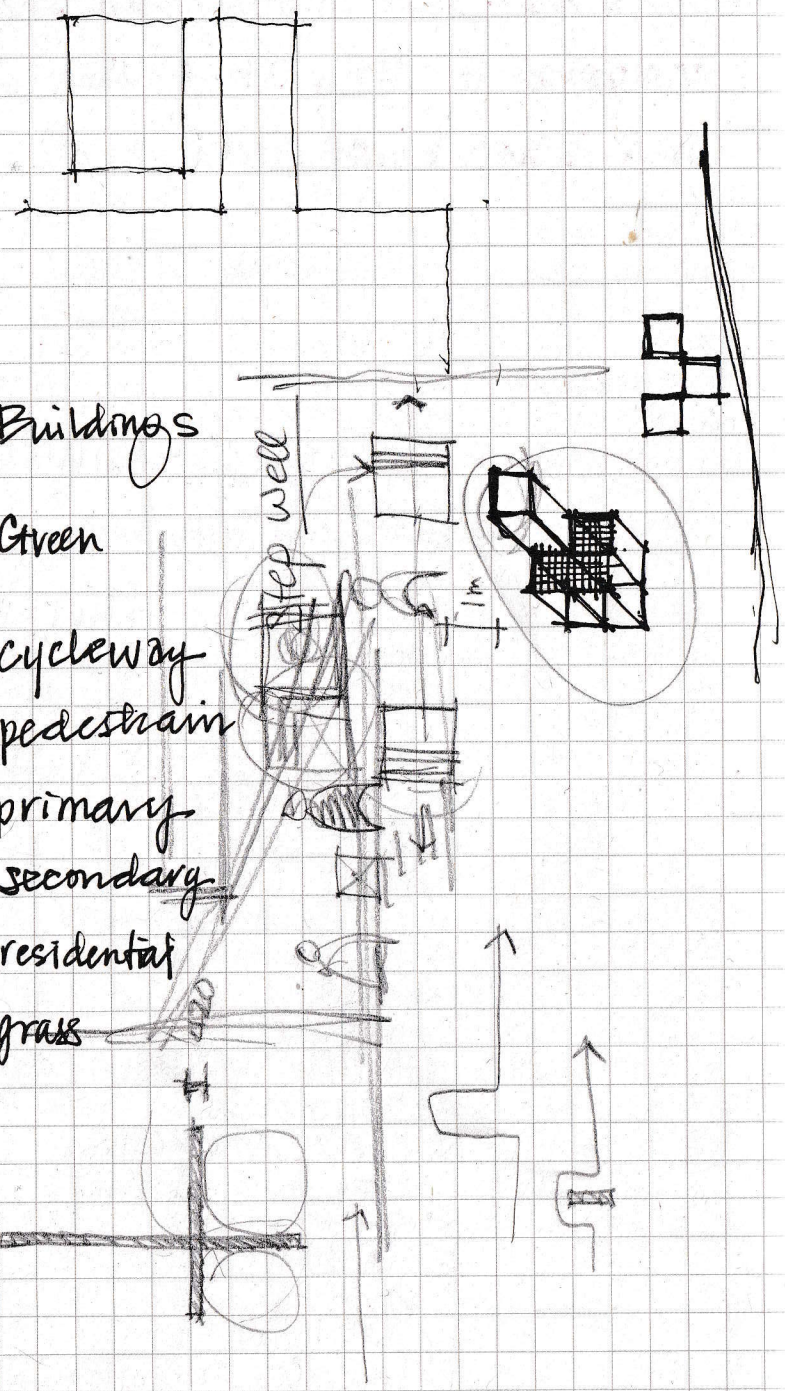
- Laundry drying area
- Car parking
- Auditorium

Thrift shop

① Which direction are going?

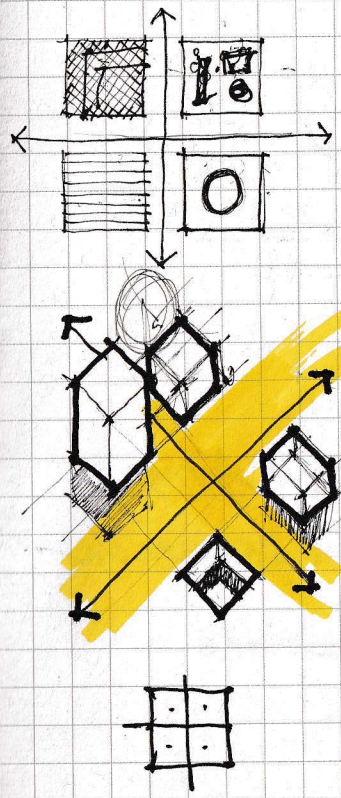
②

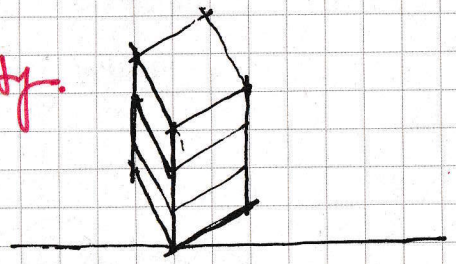
③



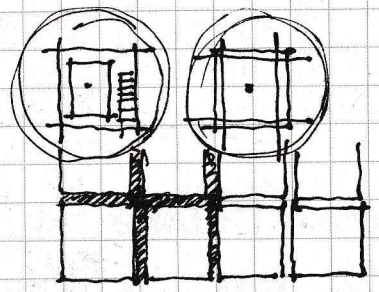
- Buildings
- Green
- cycleway
- pedestrain
- primary
- secondary
- residential
- grass

- Design | Aspects
- Heat & Humidity.
-





"Strategy"



- EUROPAN
- THE CITY HAPPENS

gaten > HOF, EUROPAN

- POROUS CITY | Braunschweig (DE)

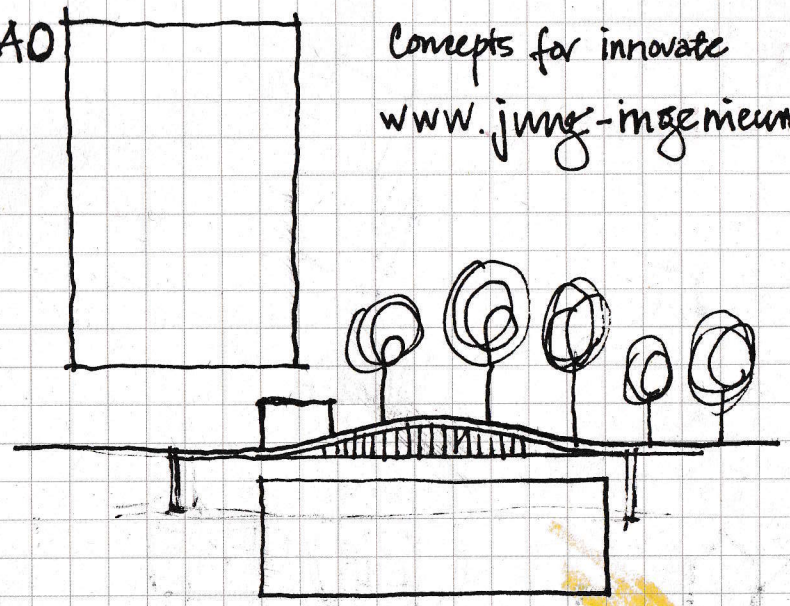
- A KIT OF PARTS
  dictionary Explanation

16 000

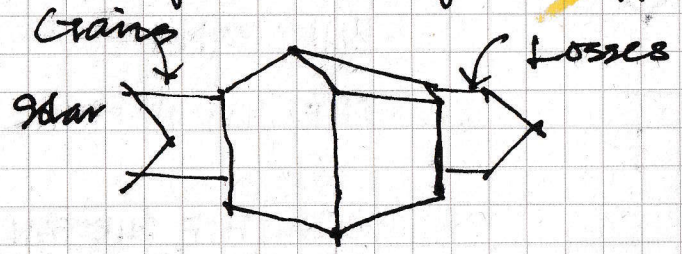
A0

Concepts for innovate

www.jung-ingenieure.com



- Thermal Balance of the Building
- Static, dynamic integrated approach



- Annual energy balance
- Dynamic energy balance.
  - conduction
  - Long wave
  - Short wave
  - convection
  - Latent Gains/Sink

■ Balance of Solar and Mass

- Full capacity
- Half capacity

Capacity 100%
75%
50%

→ Building usage

∴ WORKFLOW

01

02

03 Set Baseline | Office building | or?

04 Explore Strategies

05 Generate Reports

∴ Space uses!

comparing building clones!

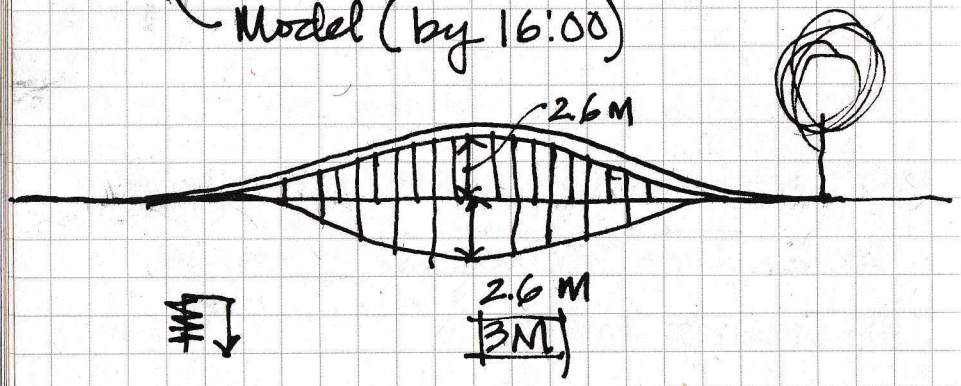
Most Efficient Strategy at the END!

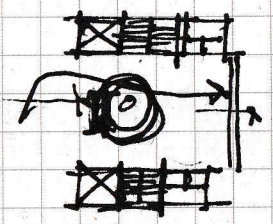
5.676

- Entrance garden
- Outside room

- Tues - Image
  22

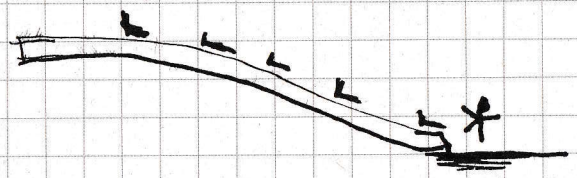
- Wednesday
  theoretical underpinning
  18:00 - Municipal representative
  ← Model (by 16:00)



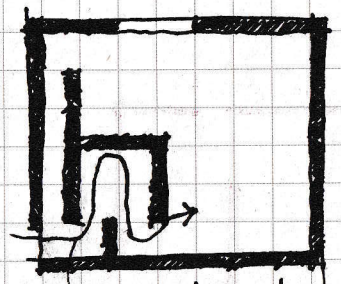


15 X 90

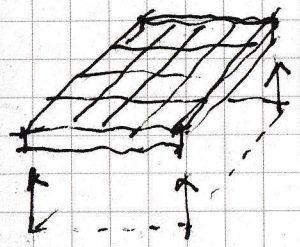
- CAUTION to the Wind | Urban Theatricality

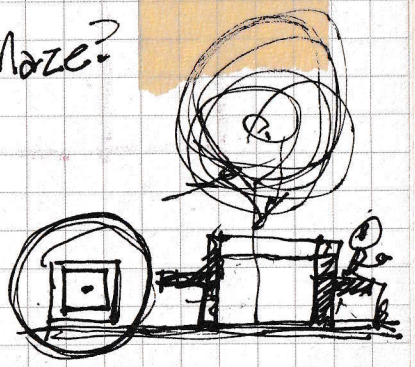


CAUTION to the Wind.
- Urban theatricality -



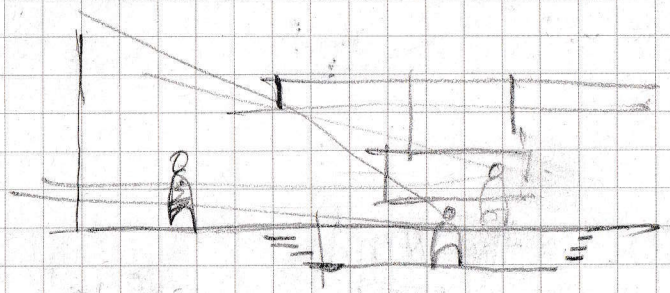
Labrynth | Maze?

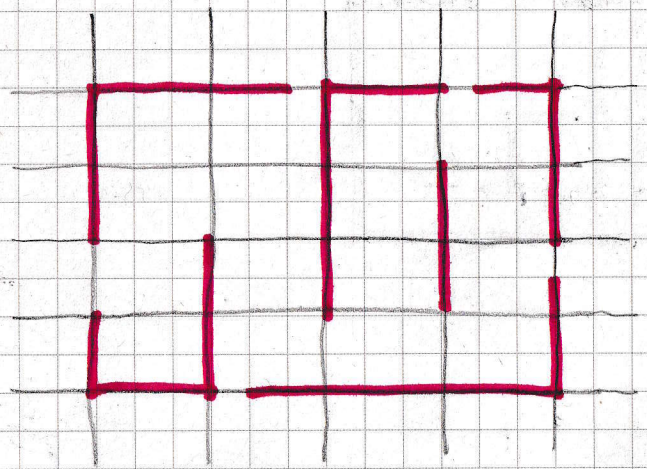


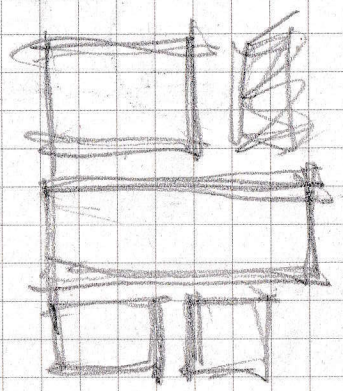


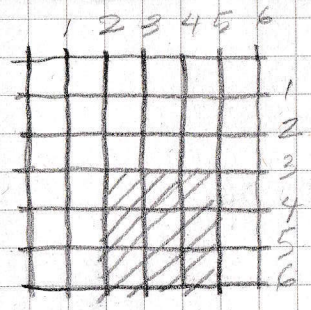
With internal Blinds
← lighting - Standard.

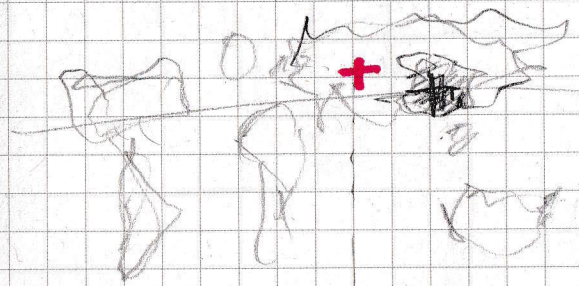
Jingwo Mark

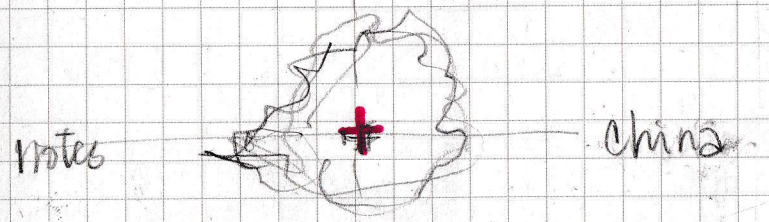


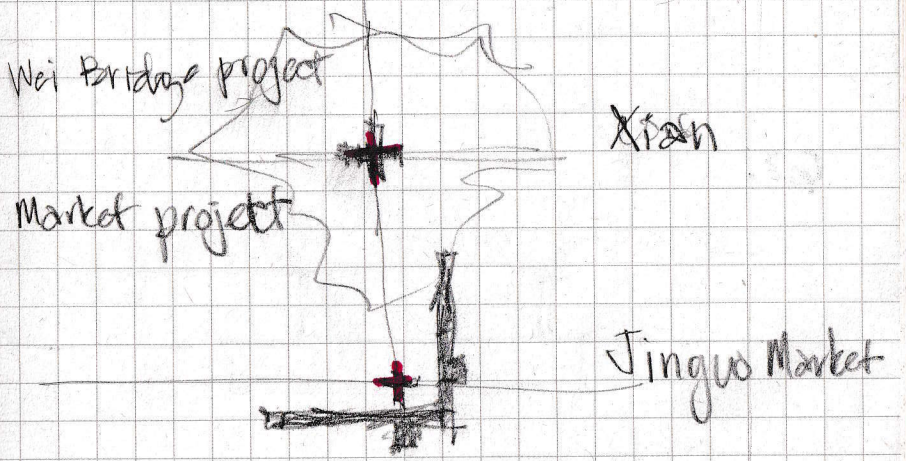


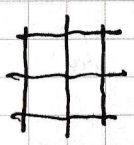



1 2 3 4 5 6
1
2
3
4
5
6

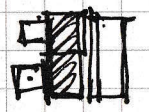

World


notes
China

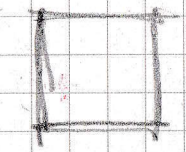

Wei Bridge project
Xian
Market project
Jingwo Market



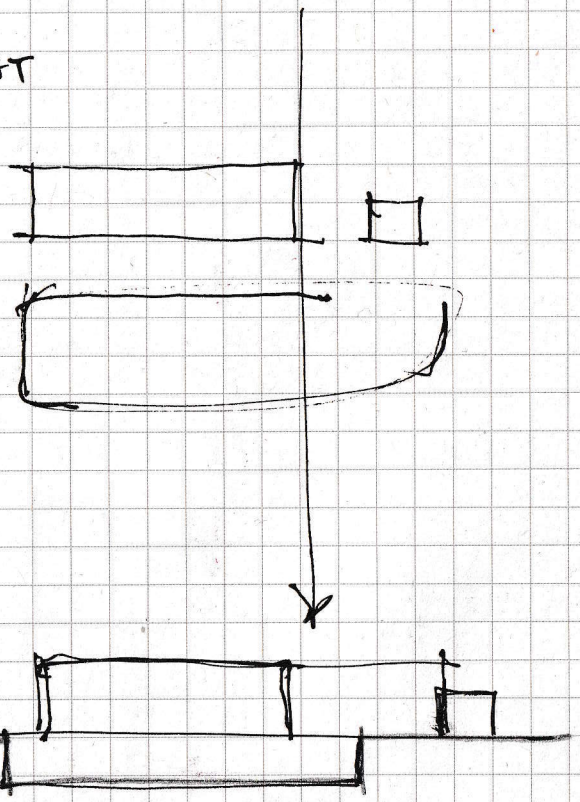
programmatic combination of



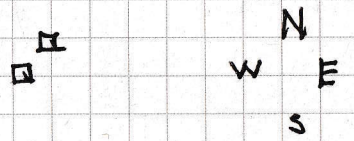
- F12
- BOOT
- DIAGNOSTIC



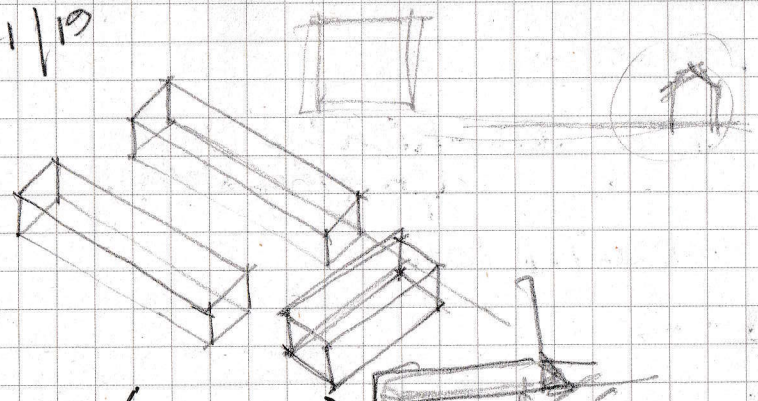
- BOTTOM RIGHT
  - screen shot



62:



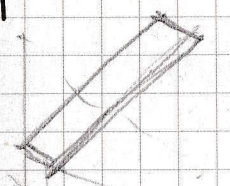
121|19

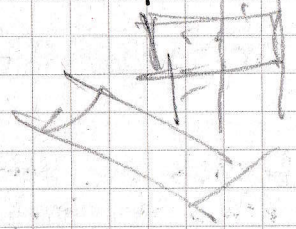


- STYLES (LUMION) +

Review ~~that~~
- Downloaded Videos.

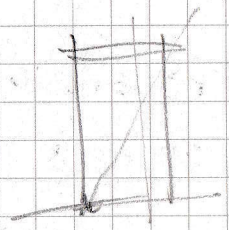
1



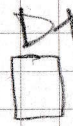


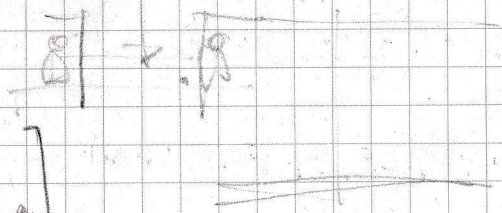
Entourage - in the sections

All Black x Except White



D1





KEY PLAN

SECTION A-A | B-B | C-C

1

Bersek.

Rick Ross - Rich Off Cocaine
(ft. Avery Storm).

ebook777.com

- Mapbox | Cartogram Style.

- Emergency Services are not existant | Police Station | Fire Department
POST OFFICE.

- Possible architectural solutions to new social problems.

Density is Home.
10. Stories of collective

BCA 728.31 FERNPA

BCA 728.314 ATRG

- Drawing and sketching as a way of seeing

- BUILDING INFORMATION MODELLING
- BIM and Sustainable Design
- Model Building.
- Materials investigation.

→ Human centered Approach.

- Smart Cities Modules | Micro Cities

- the way the technology can be intelligent
- No longer individual thinkers.
- We changed our way of learning.
- Cities are the worst enemy of sustainability.

Genova - 1st in Italy to get smart grid.
- Every thing has to be smart.
- Very expensive.
- Smart are frugal solution
- "Urban Living Lab"
- Living Lab - concept developed at MIT.
- Developed and adopted by users.
- User driven solution.
- the context already owns the solutions.
- Enabling engines of innovation
  touch point of a service "app"
- On Demand Services (Helsinki)
- Proximity | Spatial
- Not just a platform.

- SITUATED SOLUTIONS
- INNOVATION
- ENGAGEMENT
- DESIGN THINKING
- ENABLING TECHNOLOGIES
- COLLABORATIVE SERVICE

http://waag.org/nl/blog/manifesto-smart-citizens

- APPROPRIATE TECHNOLOGY.
  Experiment is cruciaf
  Learning process (at the ~~city~~ scale of city).

- BEHAVIOURAL CHANGE!

- URBAN INNOVATION is the process of turning knowledge and ideas into VALUE FOR THE CITY.

Not all solutions are able to scale up.

Innovation policy and strategies

URBAN INNOVATION

Urban innovation

BEHANCE

· Ain't no answer to this trick question

· Economic and time variables.

BIM |. to define new Guide lines

1981 *

WORKING DOWN HILL.

* Building SMART →
Container data.

CAT
MIRROR
TILES
STRAW
COUCH
CORK

849679

METHOD

UNI 8290
UNIFORMAT II
OUNICLASS

WBS - Project database

BIM

· RYUE | NISHIZAWA

· Migrant Workers | Mining

"Question of Scaling"

· Thesis Abrstract.

· GATE COMMUNITIES
ARE ON THE RISE.

· SASKIA SASSEN.

* CULS-DE-SAC *

· SEMI-urban | peri-urban

· ARCHIPELAGO

· WATER COLLECTION STRATEGY
↓
Cleaning + consumption.

· Baren landscape. trees need to be managed.

tree plantings :=

- the career manifesto
+ Budget.
  - specific norms pe
  - Individual stories
    commercial.
  - Family based economy.
  - collective experiment.

  ICT - to achieve large scale experimentation.

- LET'S TALK WASTE MANAGEMENT

- Reuse is the main principle
  ↓
  energy balance.

- Sustainstability
- Student village | south africa

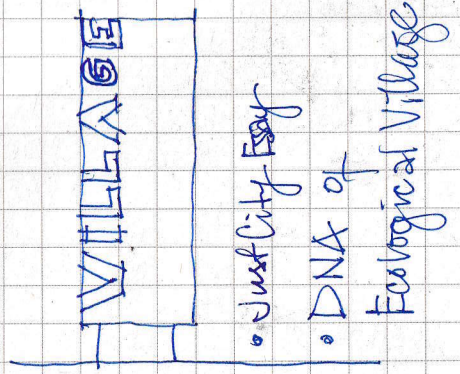
www.openliving labs.eu/

- search for living labs.
- focused on technology
- urban

  situation of urbanization

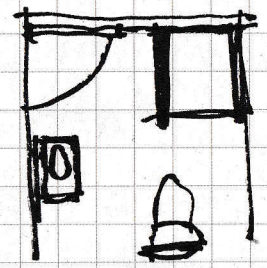
  MASERU in context

  SLUM.



2624

1732



1000

1600

600

775

+ surfaces

· Slow and steady.

"Gabions"

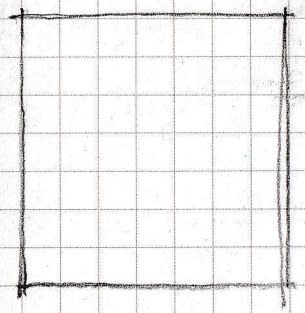
1 ✓ 2 ✓

· 3 BEDROOM POSSIBILITY ✓

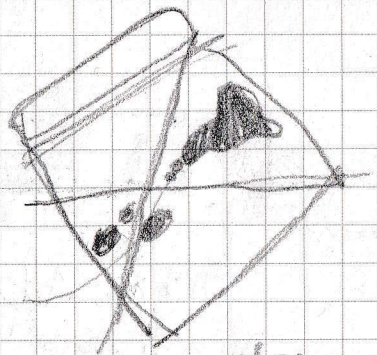
· Start home parents

1135

1350



food production

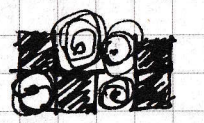


storm water

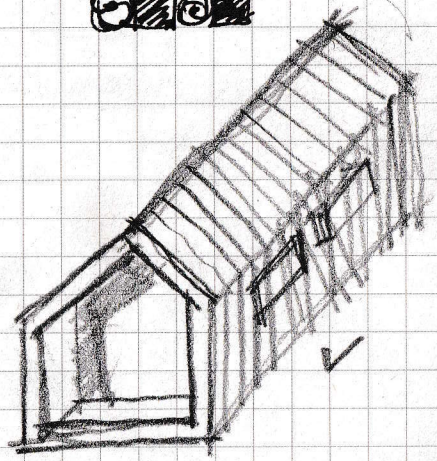
FOOD PRODUCTION

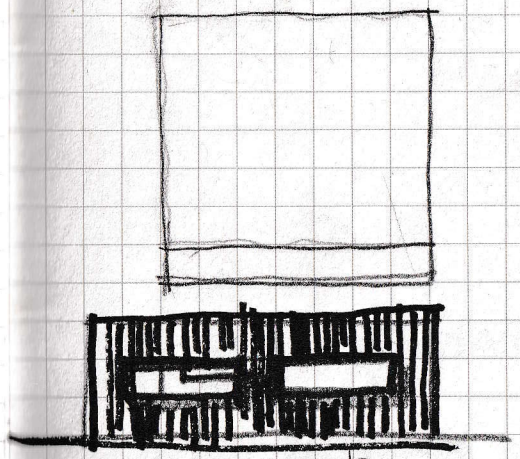
common spaces

COMMON SPACES

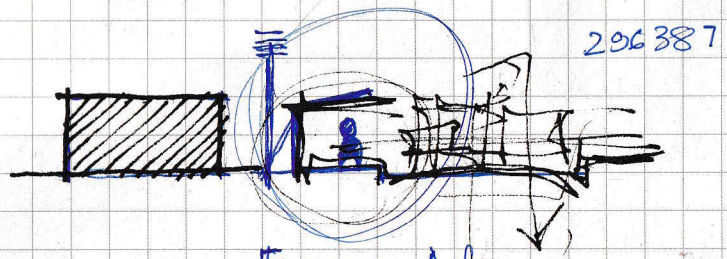


site activities



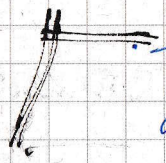


Pages of the thesis can be adorned with the motifs

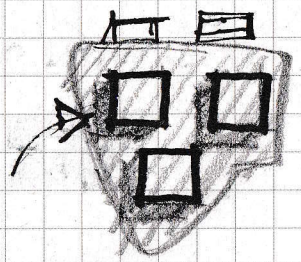


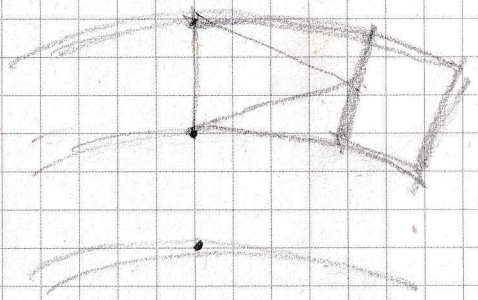
· Enzyme Adp.

Side Walk



thinking about how things are going to be built



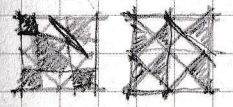


· 101 THINGS I LEARNED IN URBAN DESIGN

·

FAÇADE STUDY

- LITEMA



1 | Preserve | Preserve natural ecologies agrarian landscape and cultural heritage sites.

2 | MIX | Create mixed-use and mixed-income neighbourhoods

3 | WALK |

4 | BIKE |

5 | CONNECT |

6 | RIDE |

7 | FOCUS |

· WALKABLE CITY.

▪ Inhabitat perimeter

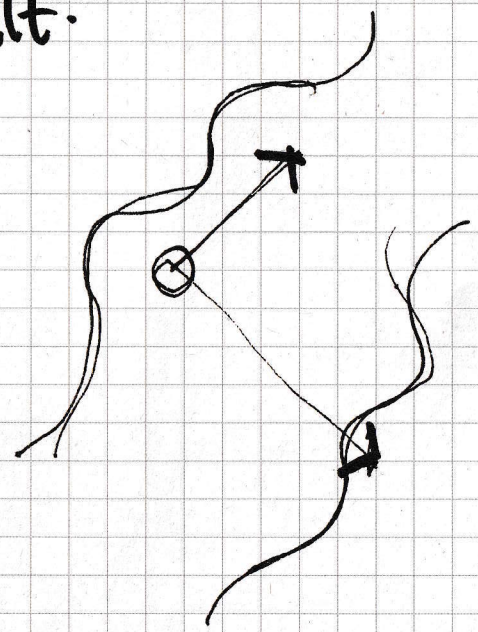
- Inhabitat perimeter
- Inner shared spaces
- **INHABITED PERIMITER**
- **SHARED INNER SPACES**

Pictures | Books
- Cities' Identity through Architecture and Arts.

- Urbanisms - Working with Doubts
  - Porta - Vittoria

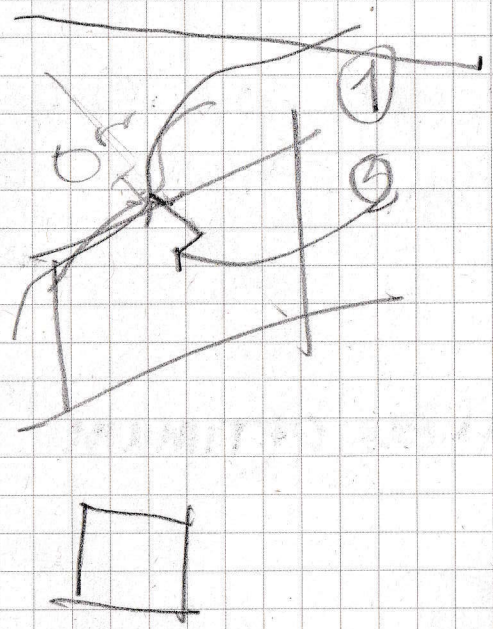
- Street Market
- Jogging + Exercises
- Farming
- Skateboard.

- Solar Panels on the roofs
- Heating Water
- Electricity.
- LESOTHO URBAN HOUSING Policies | Density Study.
- Density
- **SOLAR PANELS OPTIMUM tilt.**



TREAT TYPE AS ART.

9120



- Quantitive Density FAR

27/08/2018

- OWNERSHIP

- Housing
- LAND USE PLANNING + MANAGEMENT
- ENVIRONMENTAL ISSUE (RISILIENCE)
- URBAN GOVERNENCE (welfare)
- PROSPERITY

27/03/2023

- One the best ways to solve complex architectural problems. Is to break the problem to the individual parts

A KIT OF PARTS

→ Origins of a kit of parts

→ Tactical Urbanism

→ Architectural Tools.

→ Question of Ownership

→ Thinking about how the things are going to be built.

Question of Assembly

How to (the best strategy)

the frontier?

COMMONS

- watercolor

Field Notes

+ a show where review design architecture + urban design.

+

MUJI 無印良品

MADE IN JAPAN

4548718960989

Aa

Quaderno a quadretti 5 mm
64 pagine