REACTIVATING ABATTOIR OF CASABLANCA
TOWARDS AN ARCHITECTURAL OPEN WORK

Meng Yang

P2 PRESENTATION 21-06-18

METHODS AND ANALYSIS GRADUATION STUDIO
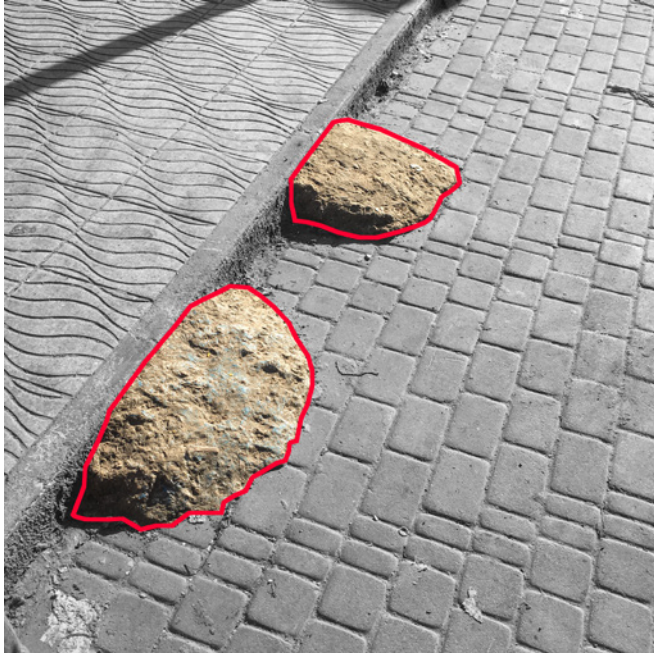
CASABLANCA | MOROCCO
ACADEMIC YEAR 17-18

1. POSITION
2. ABSTRACT MODELS
3. CURRENT SITUATION
4. PROGRAM
4. PROJECTION

PART 1
POSITION

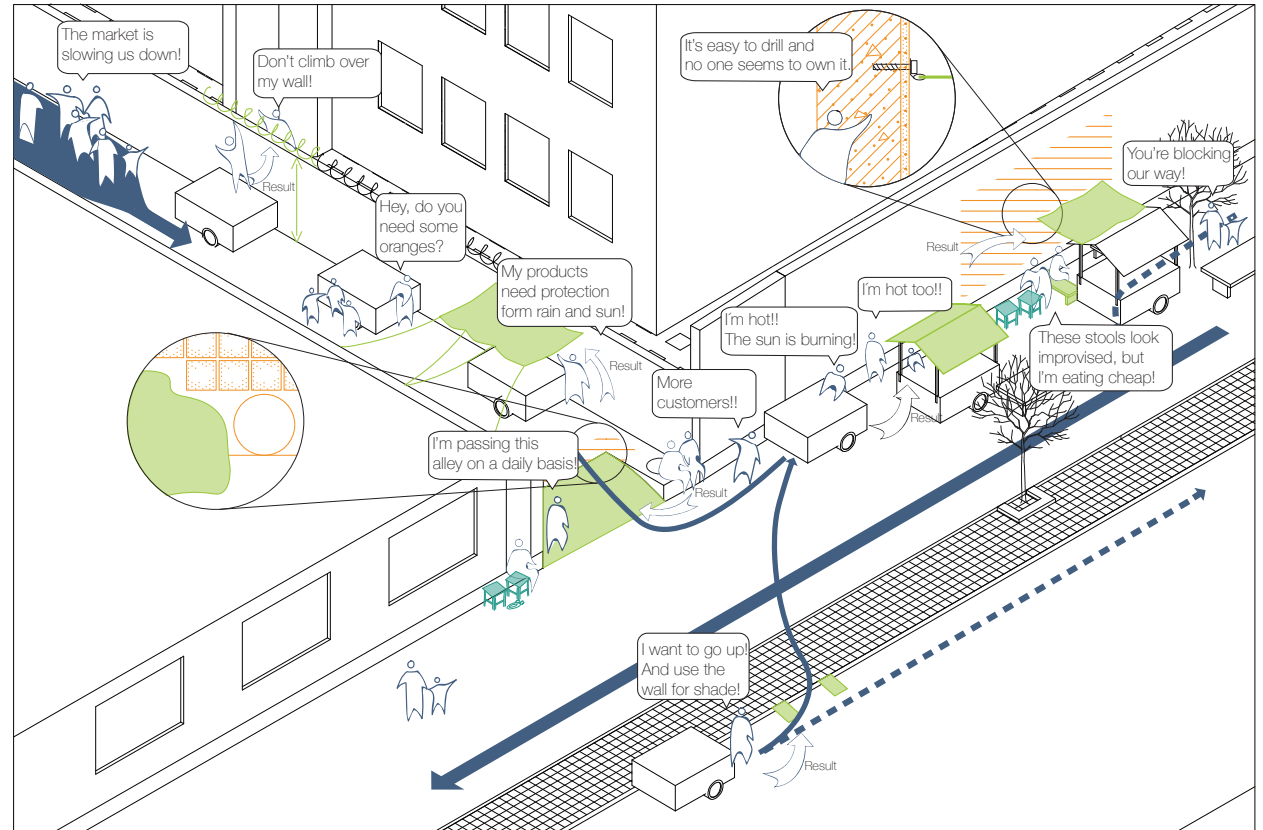ADHOCISM: A PURPOSE IMMEDIATELY FULFILLED BY RESOURCES THAT ARE AT HAND - CHARLES JENCKS

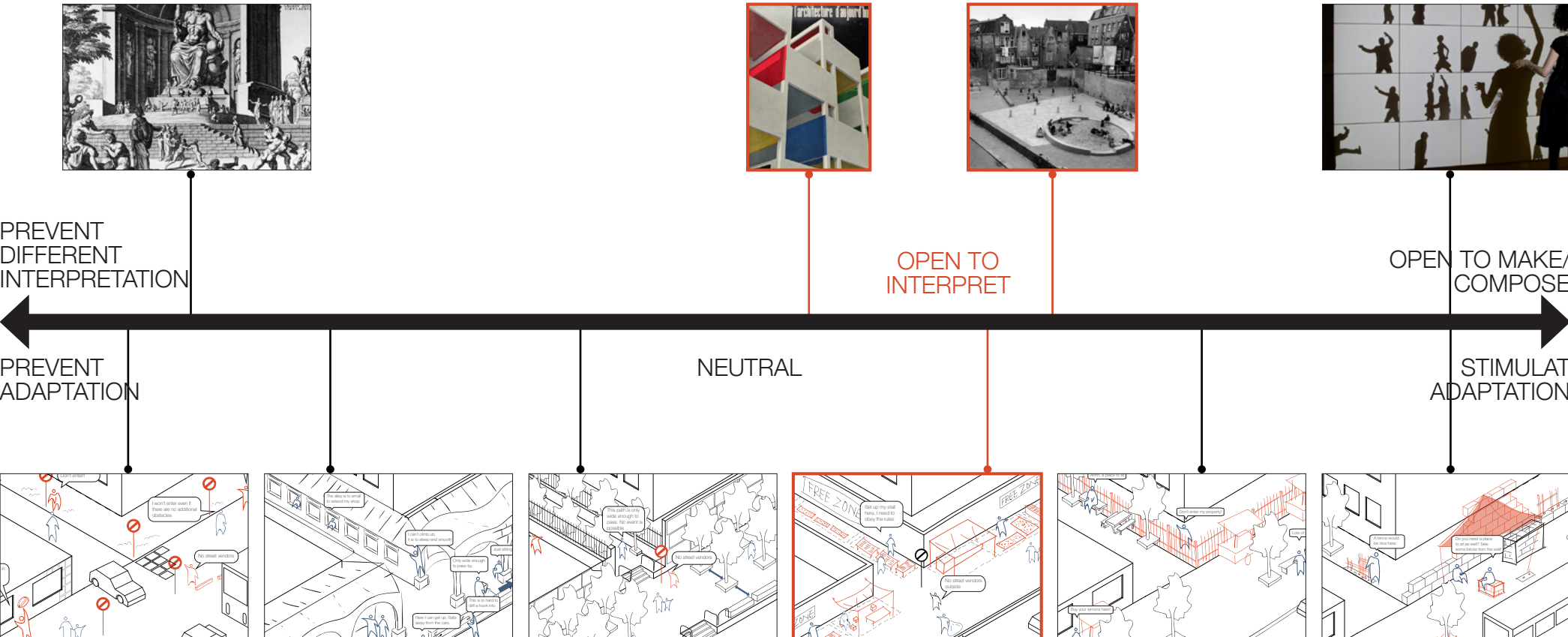# LESSONS FROM P1 RESEARCH
NEGOCIATIONS AND COMPLEXITIES

LIVELY EVERYDAY SCENE

THE HIDDEN DEFICIENCIES

LESSONS FROM P1 RESEARCH

OPEN TO INTERPRET: A DESIGN IN WHICH DIFFERENT ACTORS IN THE ENVIRONMENT COULD FULFIL THEIR VARIOUS INTERESTS, METHODS OF USES, WITHOUT SIGNIFICANTLY INTERVENE UPON EXISTING SITUATION

PREVENT
DIFFERENT
INTERPRETATION

OPEN TO
INTERPRET

OPEN TO MAKE/
COMPOSE

PREVENT
ADAPTATION

NEUTRAL

STIMULAT
ADAPTATION

EXTREME SCENERIOS VARY IN ADAPTABILITY

LESSONS FROM P1 RESEARCH
A BROADER SCOPE: PROGRAMS CHANGING IN TIME

BOOKSTORE DOMINICANEN

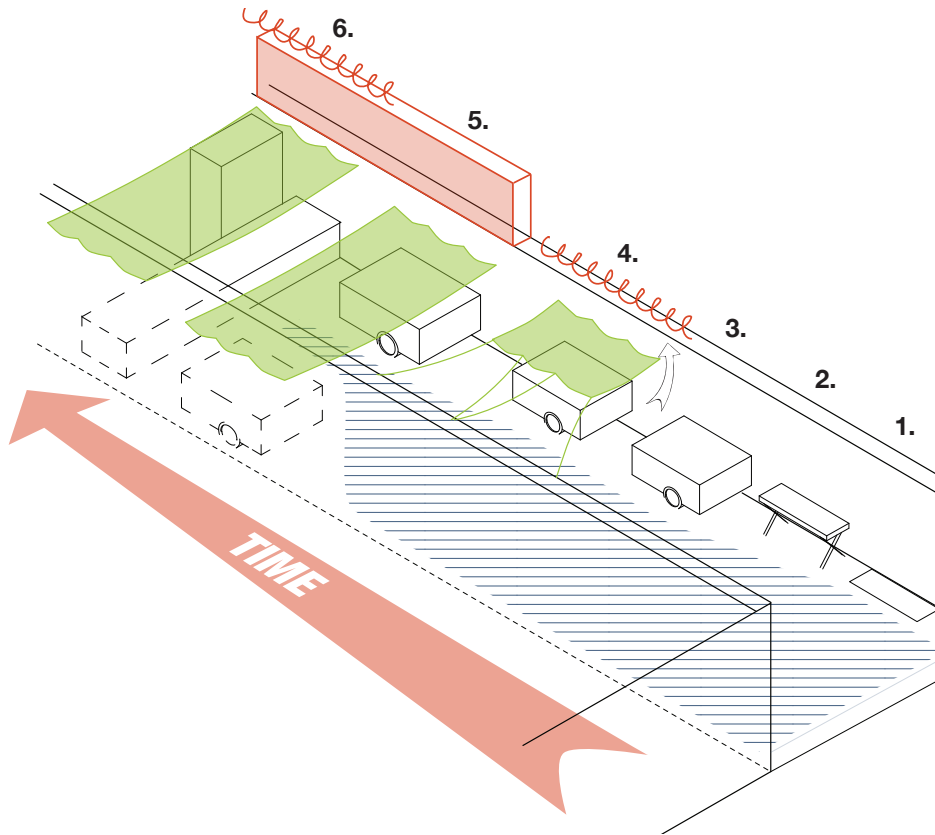798 GALLERY

LESSONS FROM P1 RESEARCH
FROM BALANCE TO RE-BALANCE

6.

5.

4.

3.

2.

1.

TIME

CURRENT AS A BALANCE SITUATION
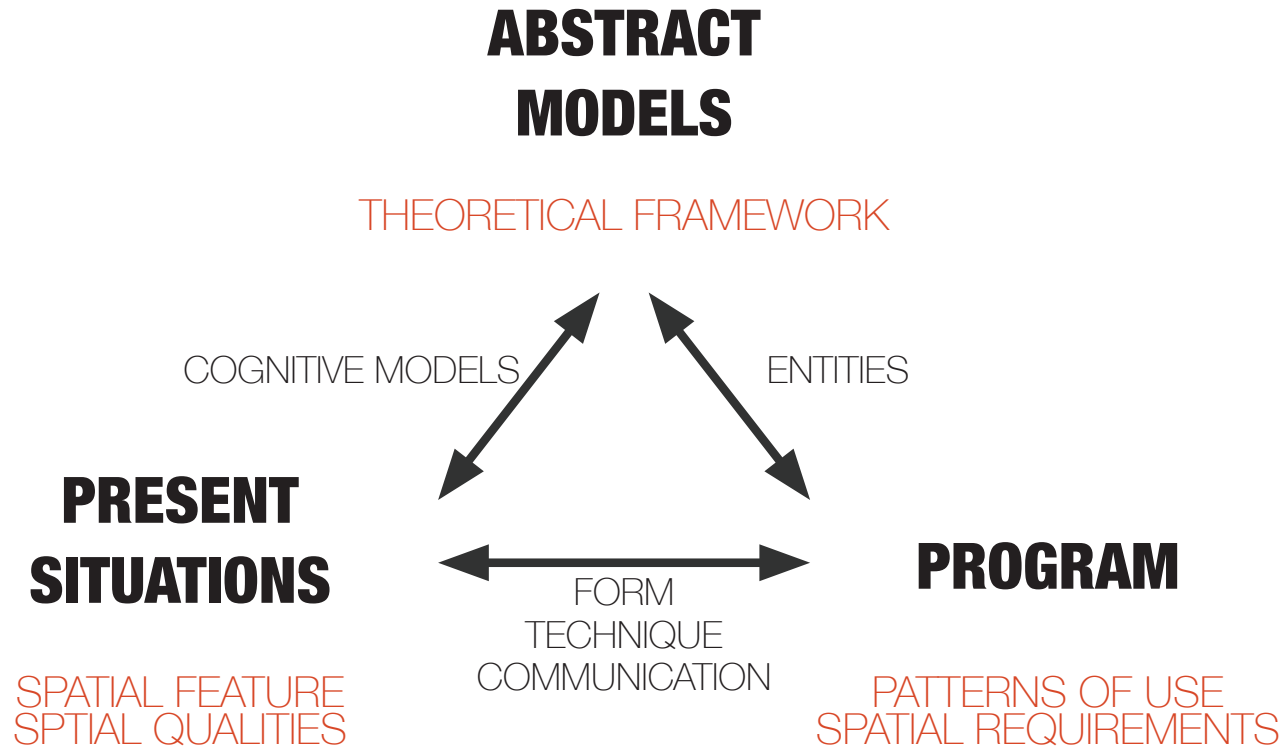

A SCENARIO WHERE BALANCE BROKEN

RESEARCH QUESTION

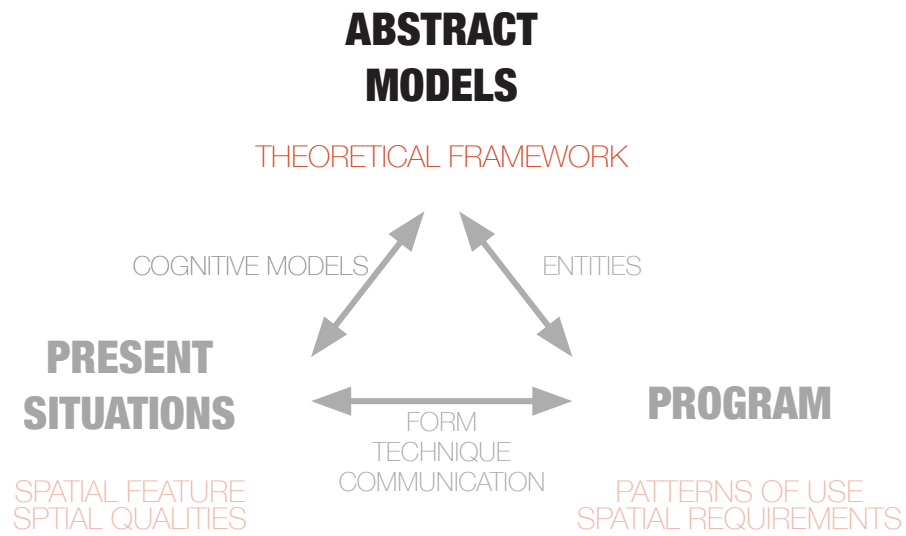**HOW TO REACTIVATING THE ABATTOIR WITH A DESIGN OPEN TO INTERPRET?**

HOW TO TRANSFORM ABATTOIR INTO A PLACE WHERE THE INTERESTS OF DIFFERENT ENTITIES, OCCASIONAL VISITORS, LOCAL CULTURE EXPERTS AND RESIDENTS FROM SURROUNDING COMMUNITIES, COULD BE FULFILLED AT THE SAME TIME?

HOW TO MAKE THE TRANSFORMATION OPEN TO FUTURE'S RE-PROGRAMMING AND ADJUSTMENTS WITHOUT GREATER PHYSICAL ALTERNATION?
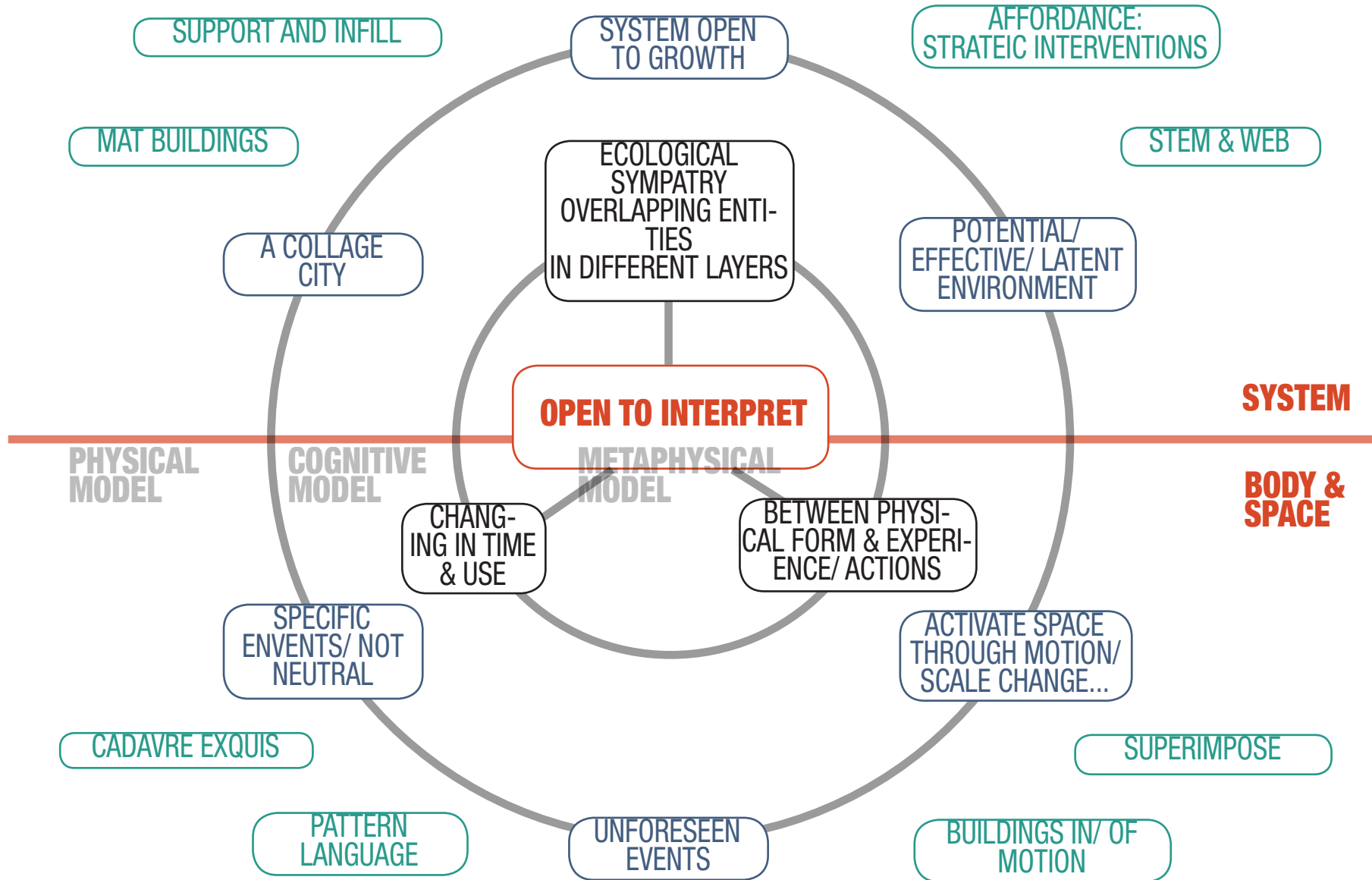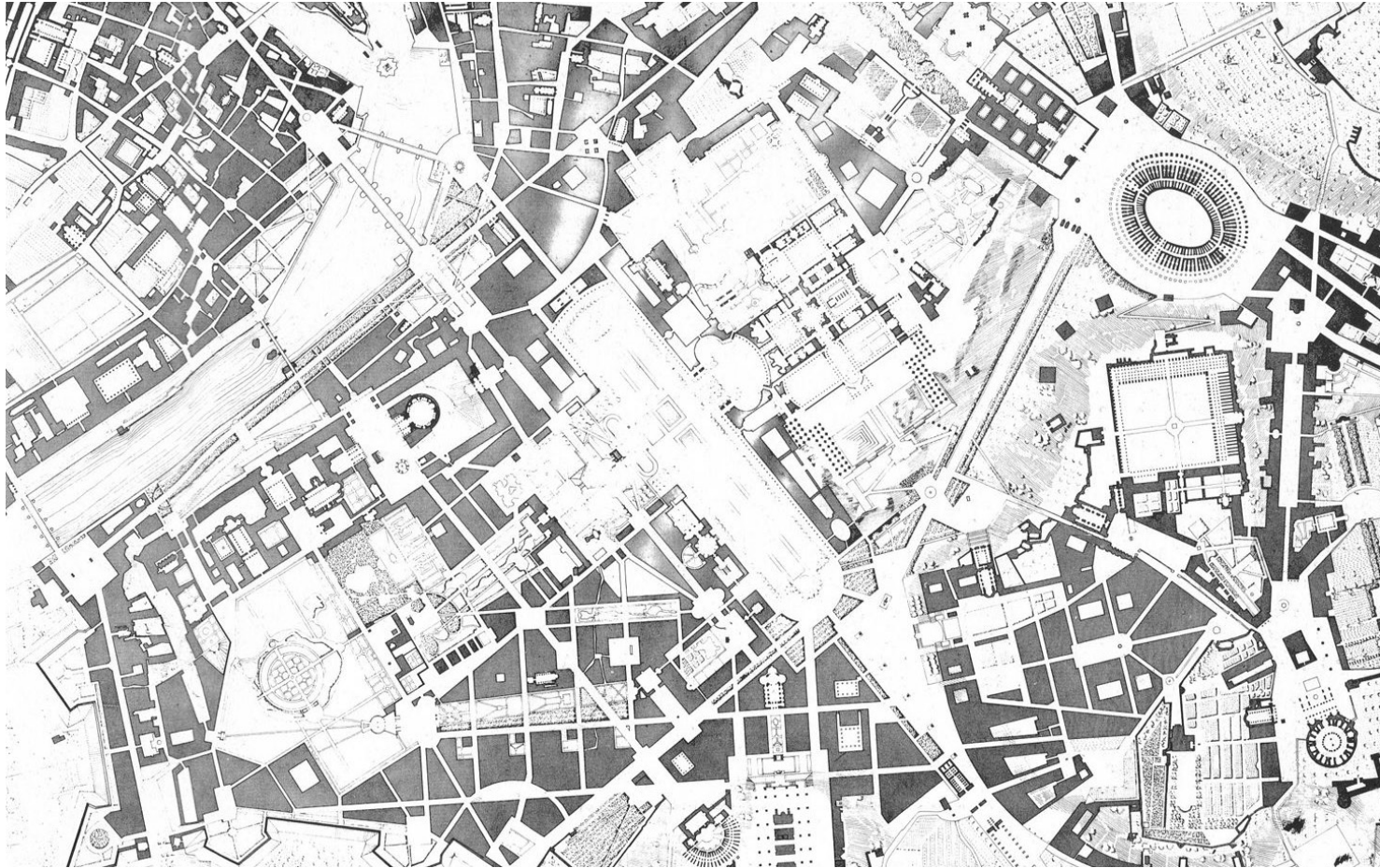
STRUCTURE OF RESEARCH
A TRIPARTITE APPROACH

ABSTRACT
MODELS

THEORETICAL FRAMEWORK

COGNITIVE MODELS

ENTITIES

PRESENT
SITUATIONS

PROGRAM

FORM
TECHNIQUE
COMMUNICATION

SPATIAL FEATURE
SPTIAL QUALITIES

PATTERNS OF USE
SPATIAL REQUIREMENTS

**ABSTRACT
MODELS**

THEORETICAL FRAMEWORK

COGNITIVE MODELS   ENTITIES

**PRESENT
SITUATIONS**   **PROGRAM**

FORM
TECHNIQUE
COMMUNICATION

SPATIAL FEATURE   PATTERNS OF USE
SPTIAL QUALITIES   SPATIAL REQUIREMENTS

**PART 2
ABSTRACT MODELS**

THEORETICAL FRAMEWORK
MAPS OF NOTIONS

SUPPORT AND INFILL

SYSTEM OPEN TO GROWTH

AFFORDANCE: STRATEIC INTERVENTIONS

MAT BUILDINGS

STEM & WEB

A COLLAGE CITY

ECOLOGICAL SYMPATRY OVERLAPPING ENTI-TIES IN DIFFERENT LAYERS

POTENTIAL/ EFFECTIVE/ LATENT ENVIRONMENT

OPEN TO INTERPRET

SYSTEM

PHYSICAL MODEL

COGNITIVE MODEL

METAPHYSICAL MODEL

BODY & SPACE

CHANG-ING IN TIME & USE

BETWEEN PHYSI-CAL FORM & EXPERI-ENCE/ ACTIONS

SPECIFIC ENVENTS/ NOT NEUTRAL

ACTIVATE SPACE THROUGH MOTION/ SCALE CHANGE...

CADAVRE EXQUIS

SUPERIMPOSE

PATTERN LANGUAGE

UNFORESEEN EVENTS

BUILDINGS IN/ OF MOTION

PRECEDENT STUDY
AN ECOLOGICAL SYMPATRY: POTENTIAL/ EFFECTIVE/ LATENT ENVIRONMENT STANFORD ANDERSON

COLIN ROWE: COLLAGE CITY ROME

POTENTIAL ENVIRONMENT

THE PHYSICAL ENVIRONMENL IS AN ARENA FOR POTENTIAL ACTIONS AND INTERPRETATIONS. THE PHYSICAL ENVIRONMENT AS A WHOLE

EFFECTIVE ENVIRONMENT

THIS REALIZED POTENTIAL ENVIRONMENT, REINTERPRETED BY EACH USERS, THUS YIELDING HIS OR HER SUBJECTIVE ENVIRONMENT

LATENT ENVIRONMENT

THE UNREALIZED POTENTIAL ENVIRONMENT; ALLOWING FOR SOCIETAL CHANGE WITHOUT PHYSICAL CHANGE

PRECEDENT STUDY
MOVEMENT AS A METHOD OF LINK

POINTS:
Programmed envents;
a "rigid" conceptual frame

LINES:
Movement as a way of
experience;
Linkages between layers

SURFACE:
connecting surrounding
neighbourhood;
level changing for
unprogrammed events
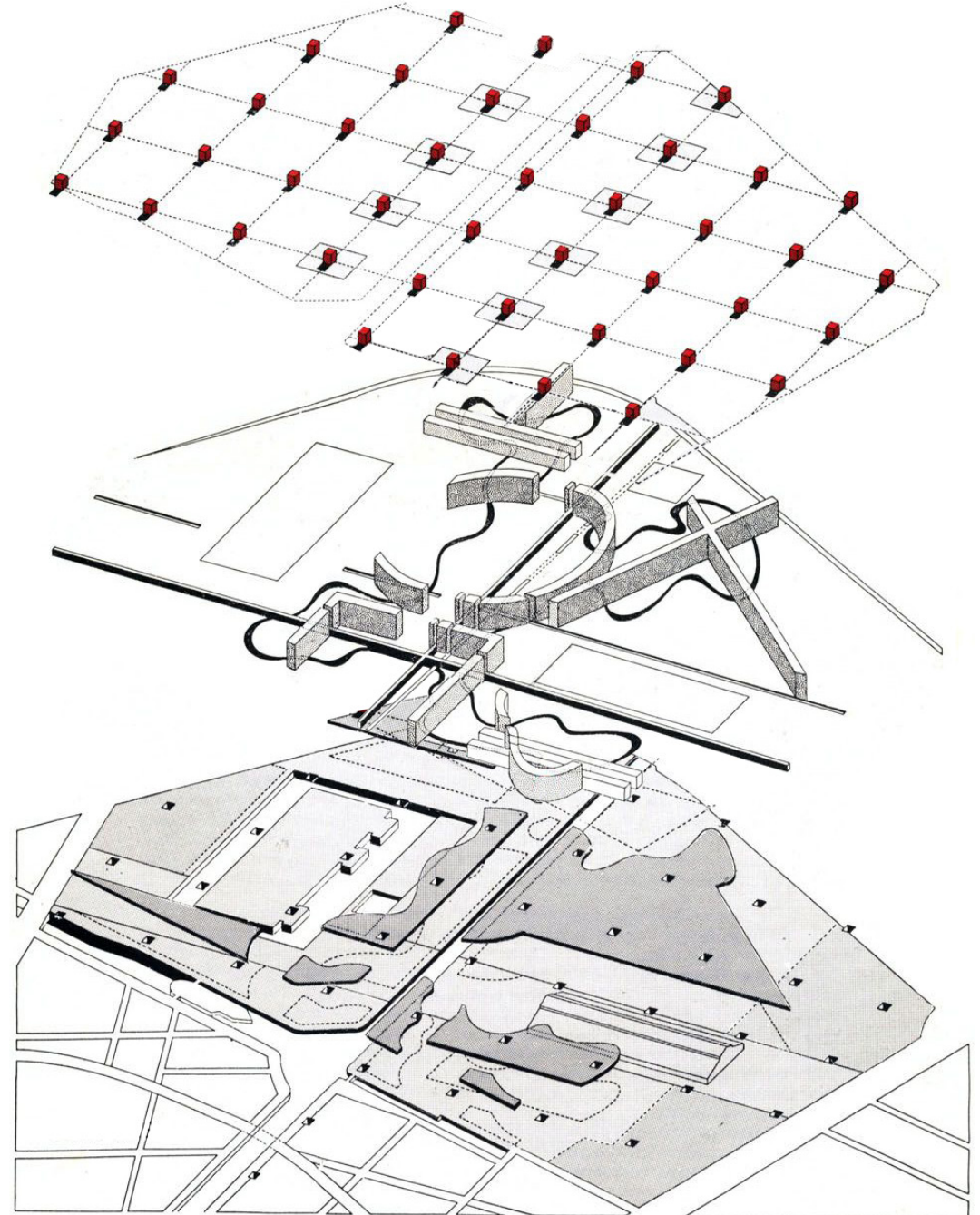
PRECEDENT STUDY
PATTERNS OF USE AND THEIR SPATIAL IMPRINTS
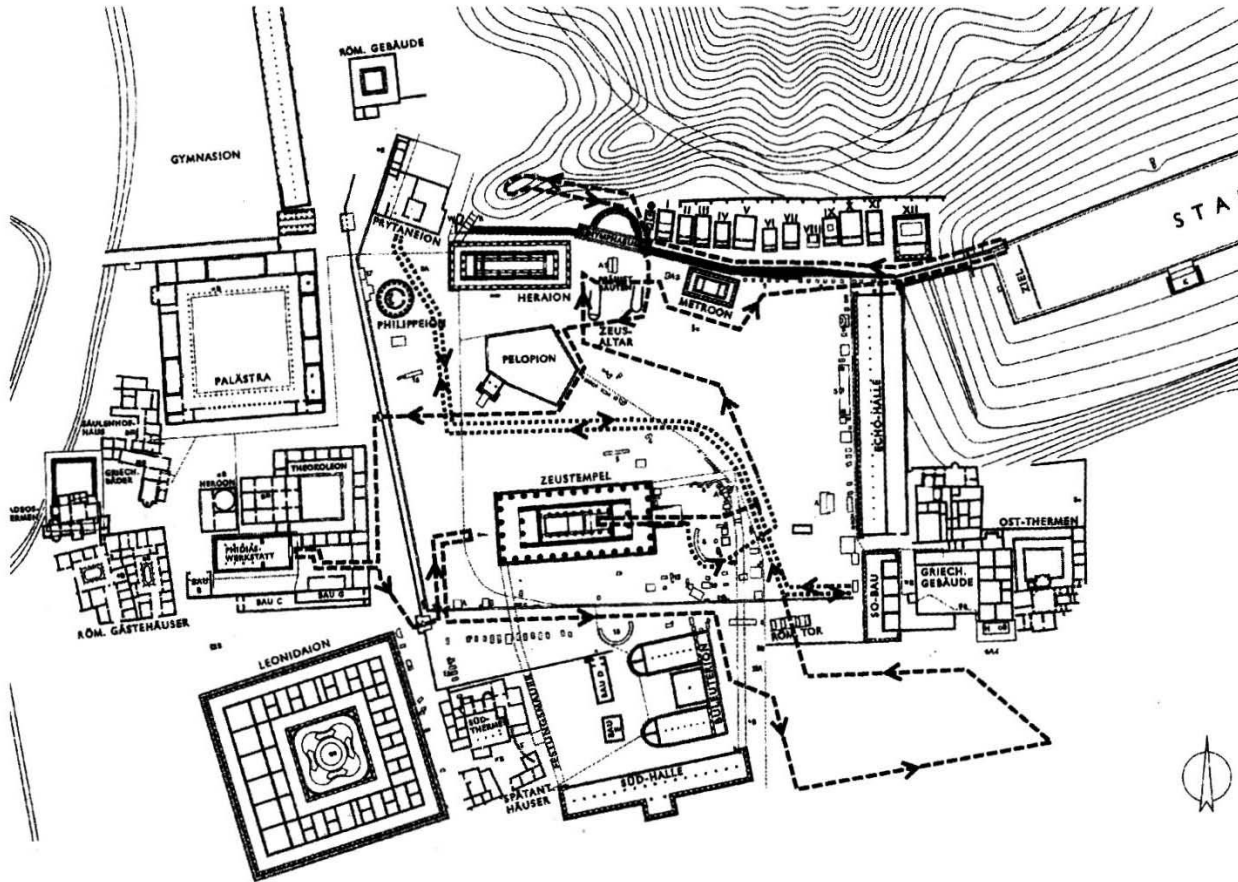
SETTING AND RITUAL OF ACROPOLIS

PATTTERNS

A REPEATING MORPHOLOGICAL LAW WHICH ESTABLISHS A SET OF RELATIONSHIPS IN SPACE

PATTERNS OF ENVENTS ARE INTERLOCKED INTO SPACE

ABSTRCT MODEL
A SYSTEM INTERLOCKING DIFFERENT INTERESTS

EFFECTIVE ENVIRONMENT
OF DIFFERENT USERS

A SYSTEM COMBINING
FRAGMENTAL SPACE

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SPATIAL FEATURE   PATTERNS OF USE
SPTIAL QUALITIES   SPATIAL REQUIREMENTS
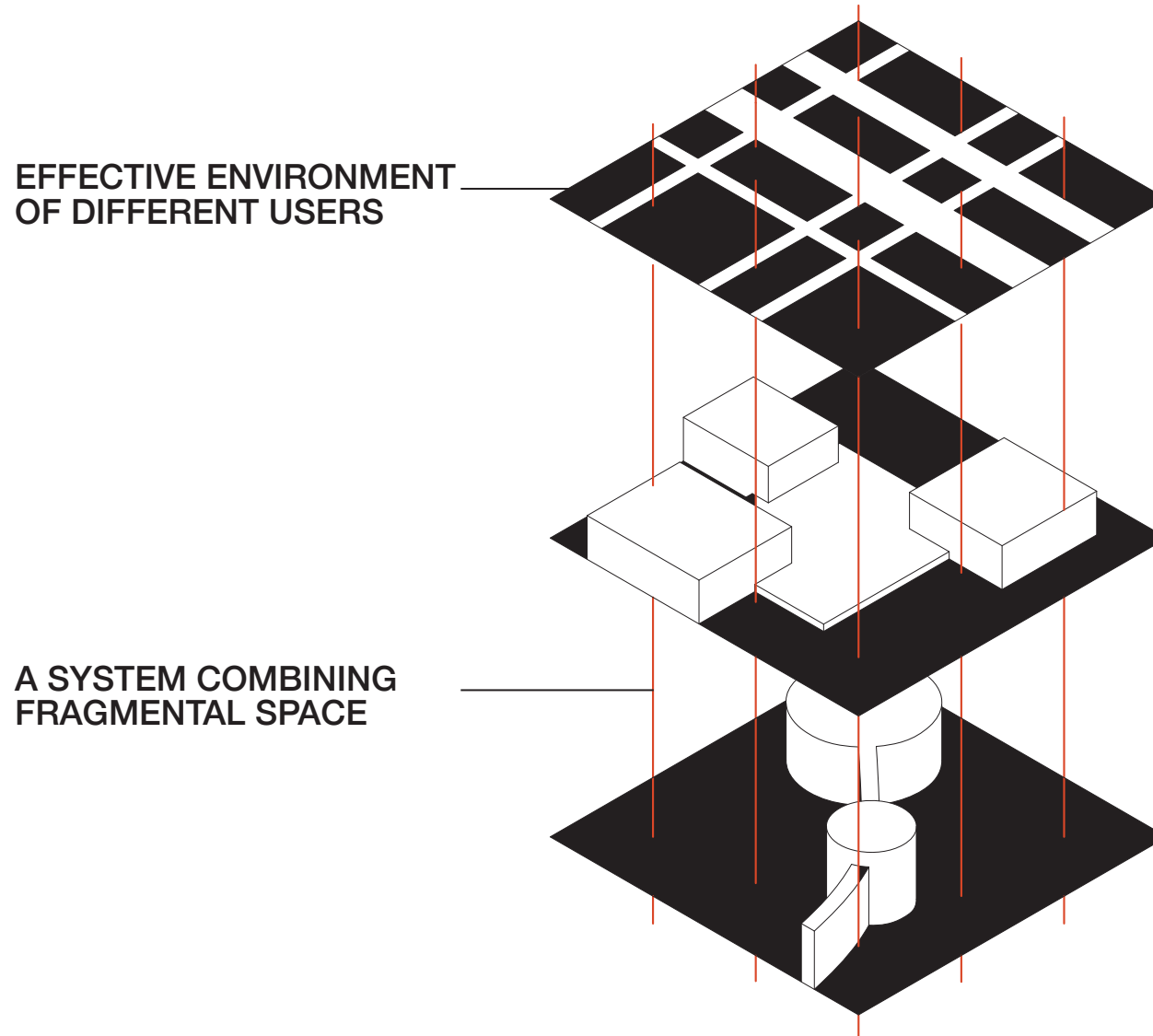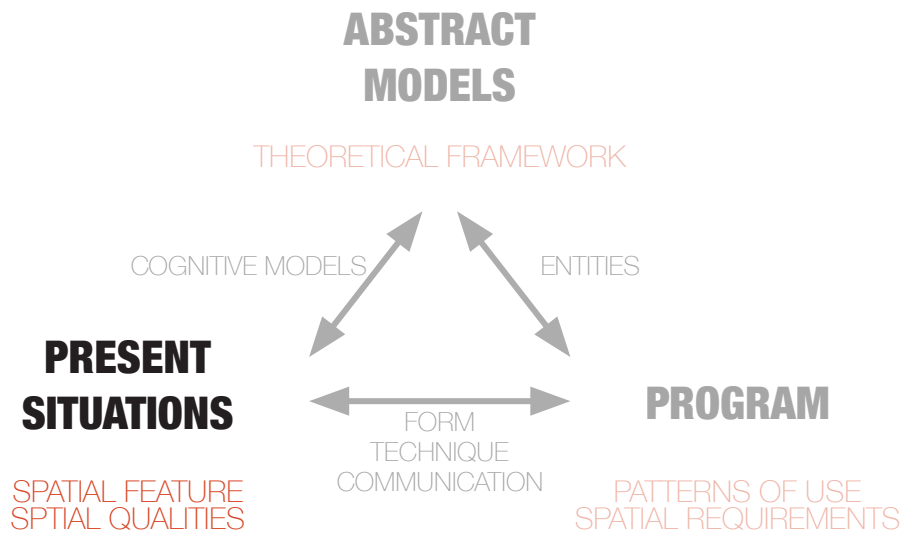
PART 3
PRESENT SITUATION

ABATTOIR
BASIC INFORMATION

ARCHITECTS:
Georges-Ernest Desmarest

TIME OF CONSTRUCTION:
1919-1922

Function:
slaughterhouse, livestock market

TOTAL SURFACE:
50,000 square meters

CONSTRUCTION AREA:
20,000 SQUARE METERS

FEATURES:
modern industrial complex with high hygiene and animal health standards

an enclave from surrounding neighbourhood

Moorish Revival styles: concrete structure with zellig decorations

URBAN CONTEXT
INDUSTRIAL ENCLAVE

Quartier Roches Noire

Quartier Belvedere

Quartier Hay Mhammdi

0 25 50 100
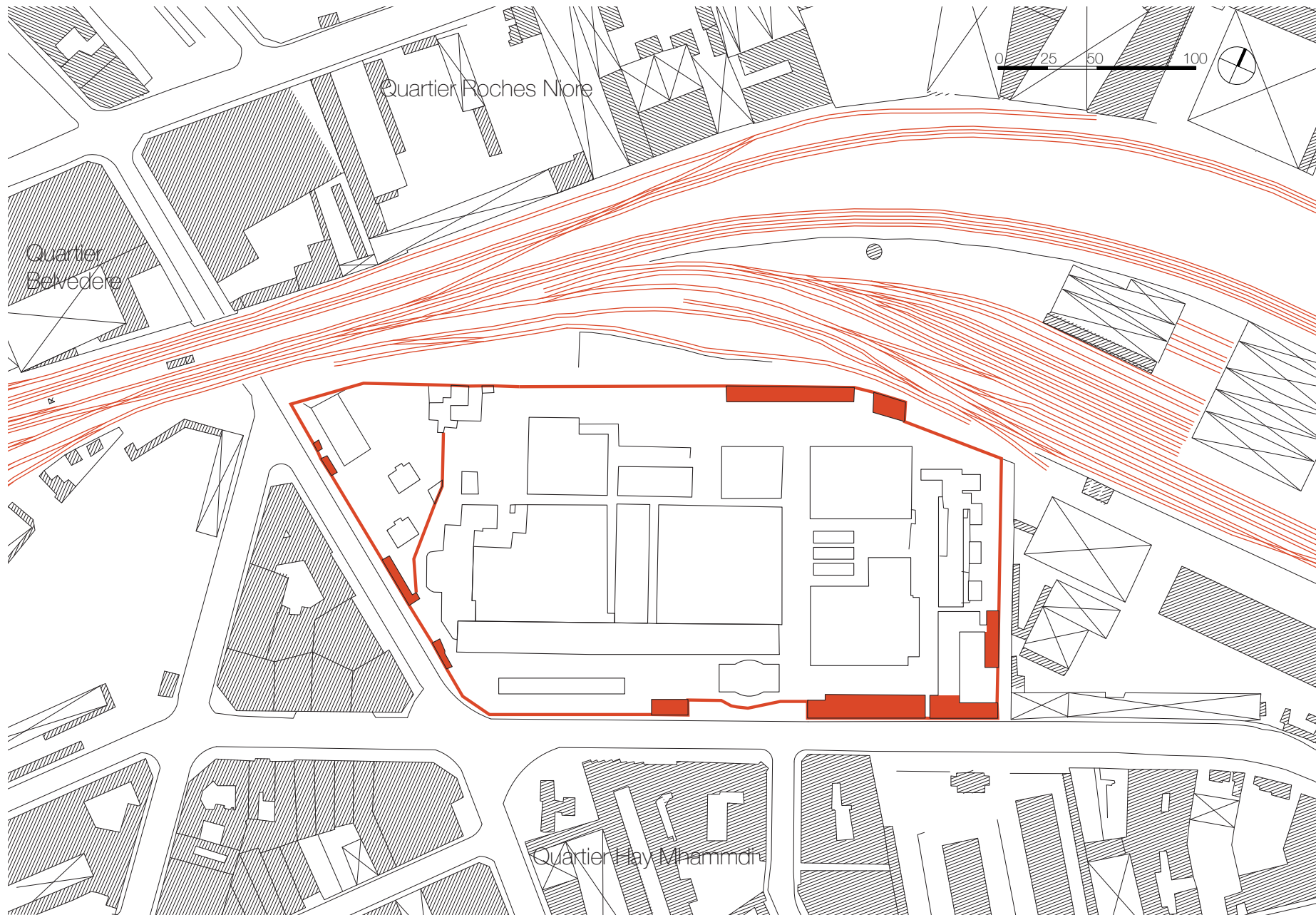
URBAN CONTEXT
A DEVELOPMENT ON CONSOLIDATING BOUNDARY

1920S: LOOSE PHYSICAL CONNECTION

U-Shape border with public market inside factory
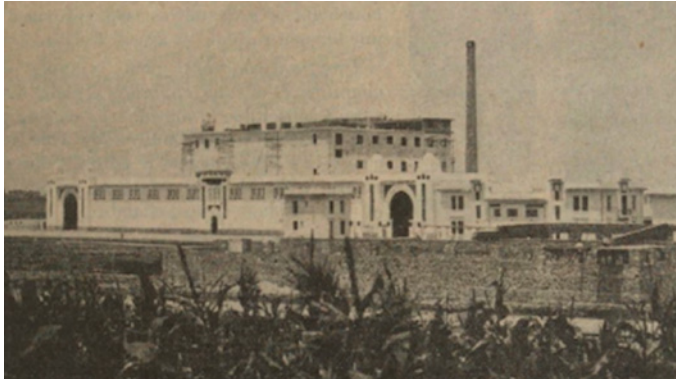
1950S: PHYSICAL ENCLOSED

Enclosed Form with relative functions outside
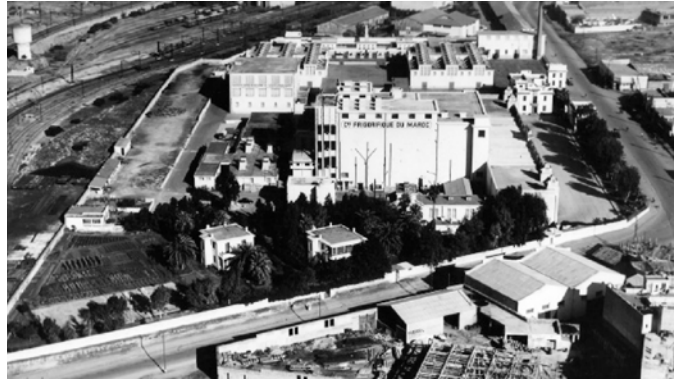
NOW: PHYSICAL & MENTAL ENCLOSED
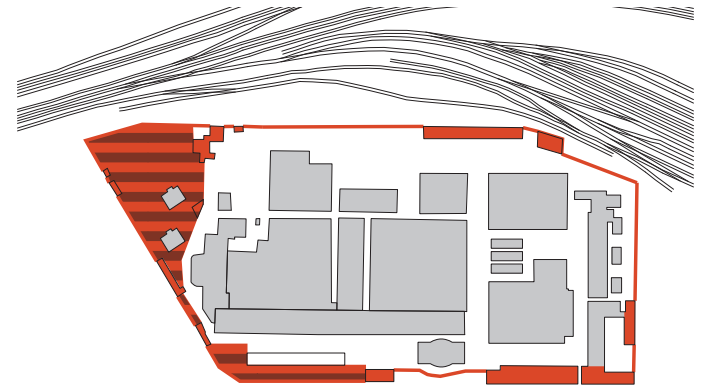
Totally fenced off; Small constructions along the wall reinforce the enclosure

URBAN CONTEXT
ACCESSIBILITY & VISUAL CONNECTION

Route from Tram station

Entrance 1

Entrance 2   Entrance 3

ENTRANCE 1

ENTRANCE 2

ENTRANCE 3
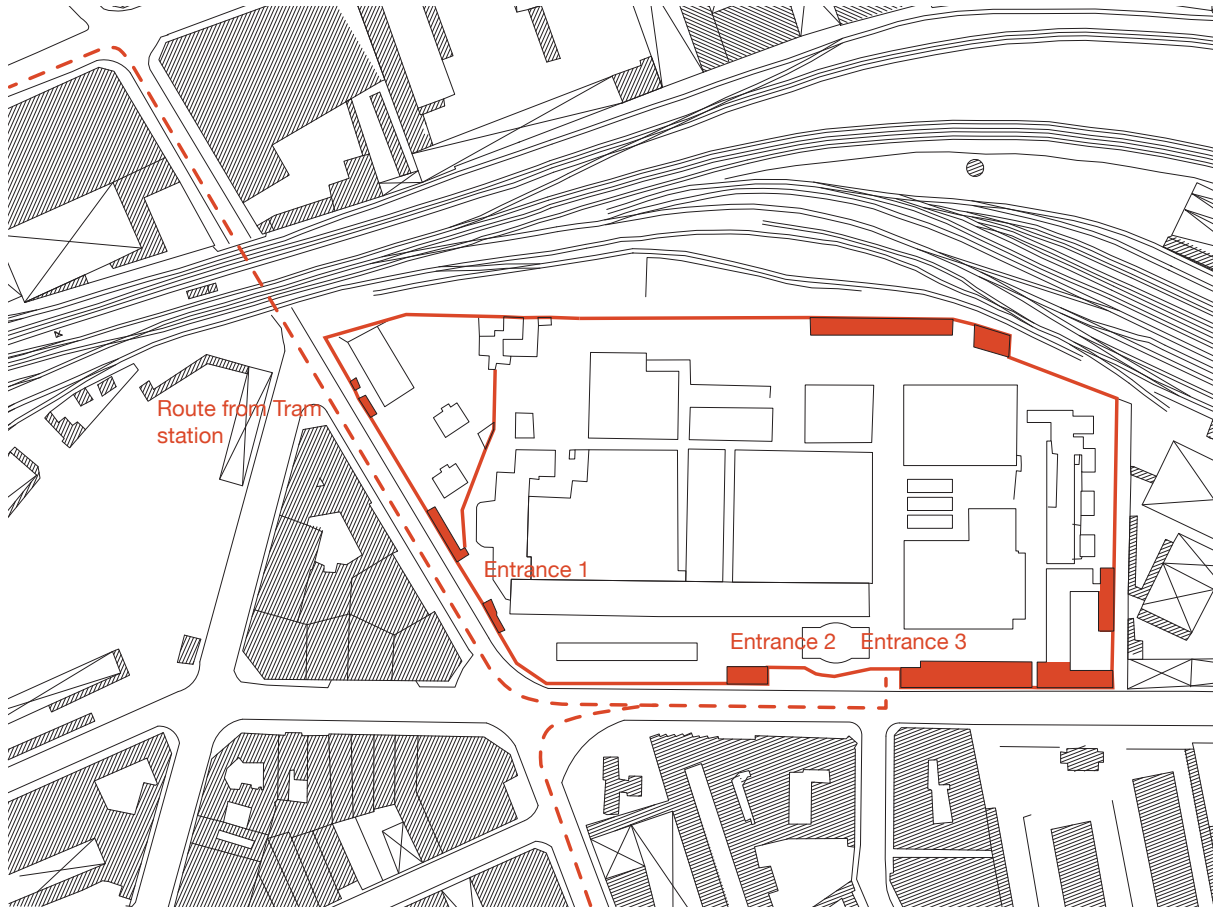
URBAN CONTEXT
MORPHOLOGICAL ISOLATION

Railway line cut off Abattoir from northern neighbourhood

Industrial wastelands weaken the links with surroudings
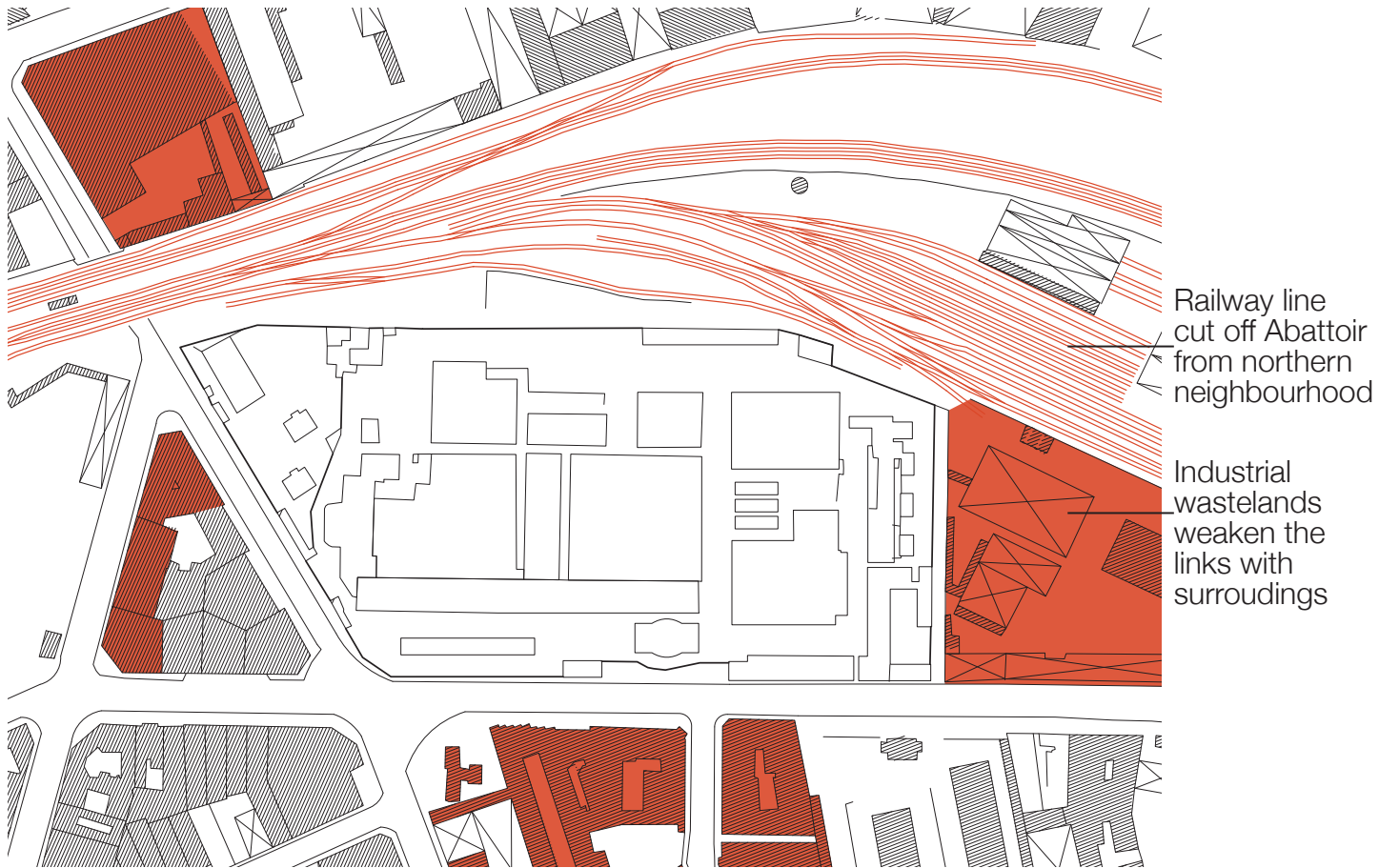
BUILDING COMPLEX
MASTERPLAN
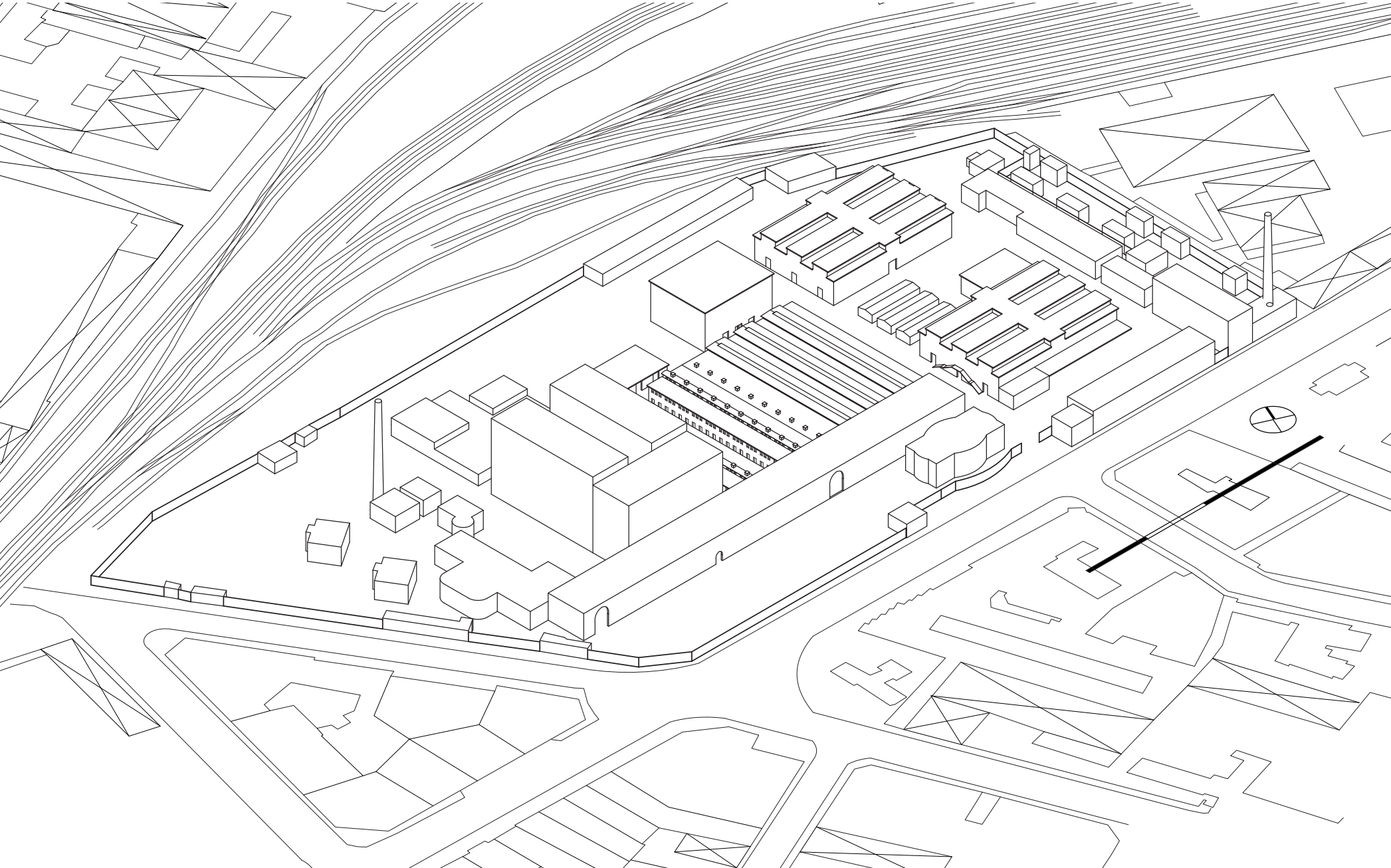
BUILDING COMPLEX
HISTORICAL CIRCULATION

A PAVILLION
B HEATING
C OFFICE
D PORK BUTCHER
E FRIDGE TOWER
F FRODGE COMPANY
G INTERCOMMUNICATION HALL
H TRIMMING WORKSHOP
I TOILET
J DEBOURBAGE
K TRIPERIE
L COBOCHAGE
M BUTCHERS
N LEATHER HALL
O ATELIER
P GARAGE
Q ADMINISTRATION
R LIVESTOCK STABLE
S HORSE STABLE
U SMALL STOCK STABLE
V RENDERING
W LAB
Y HORSE BUTCHER

— Route for livestock/ personel
— Route for visitor

I
K
B
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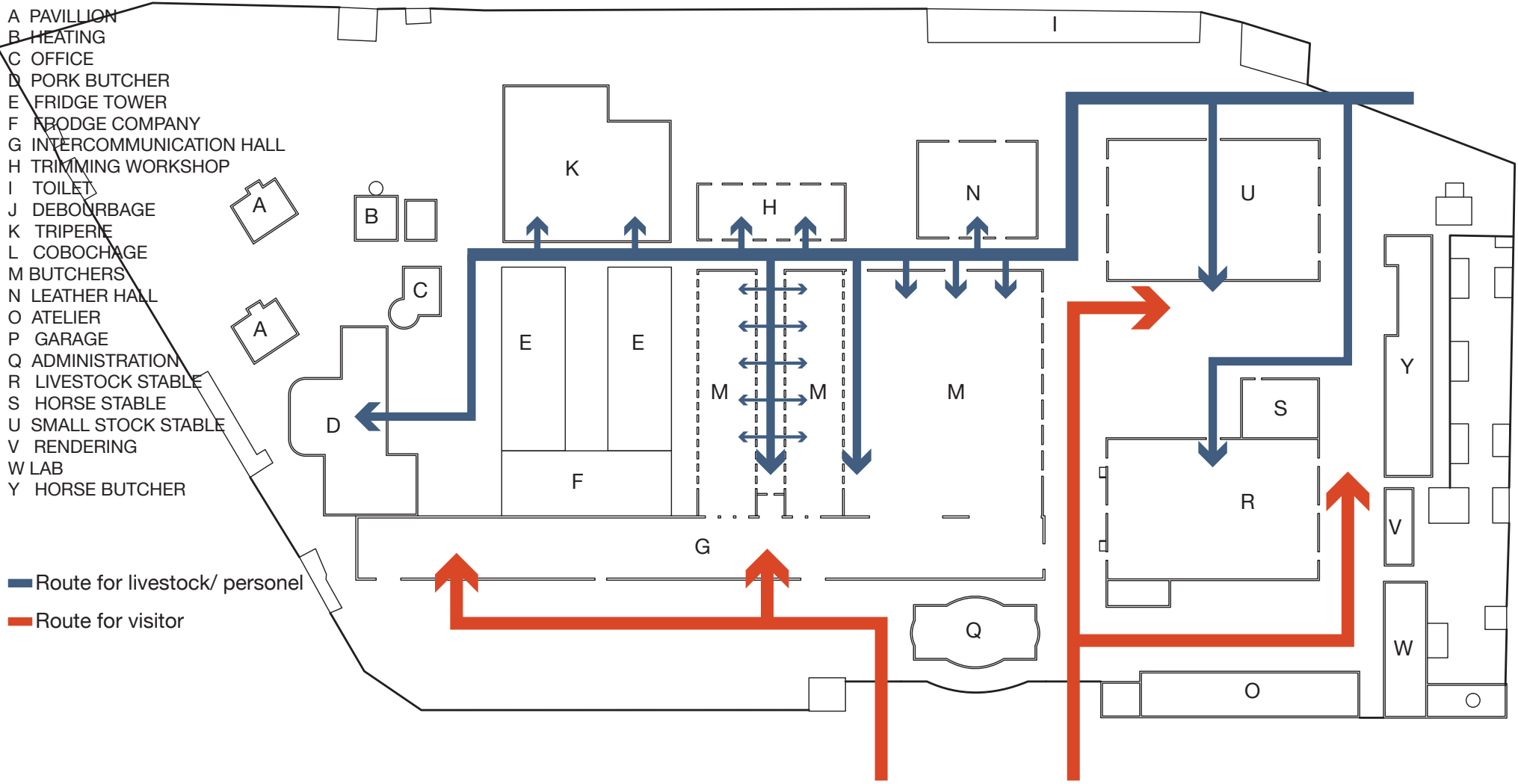
BUILDING COMPLEX
BUILDING BLOCKS ORGANIZATION

SPACE LINKED BY COMMON SPACE
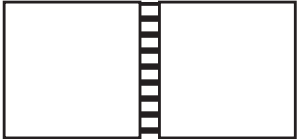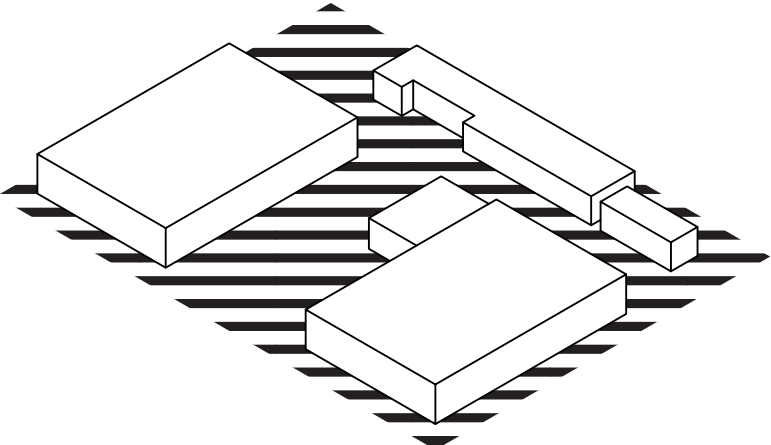
ADJACENT SPACE
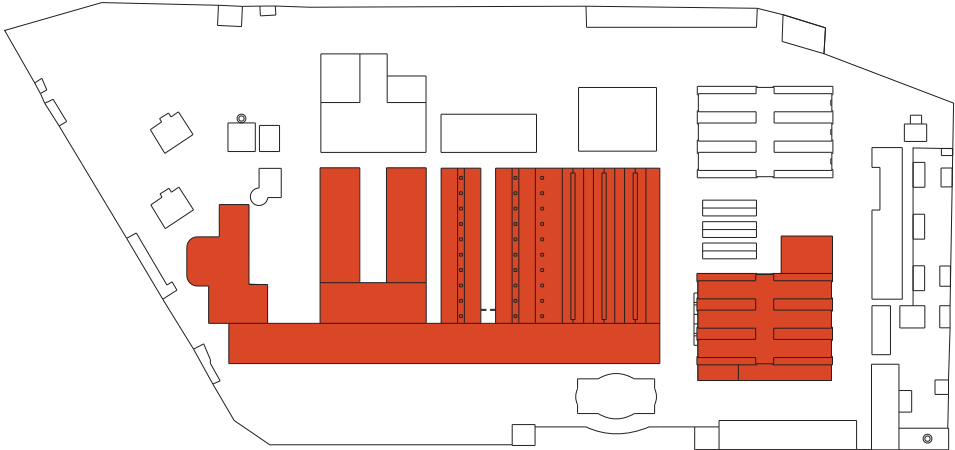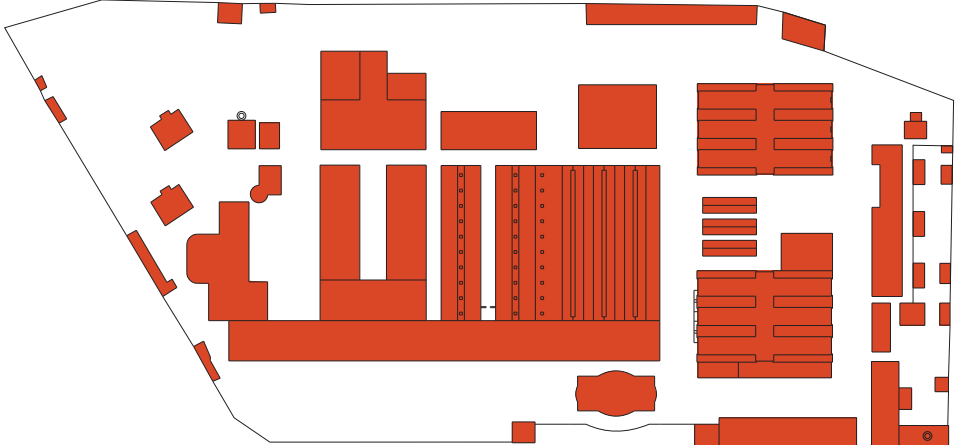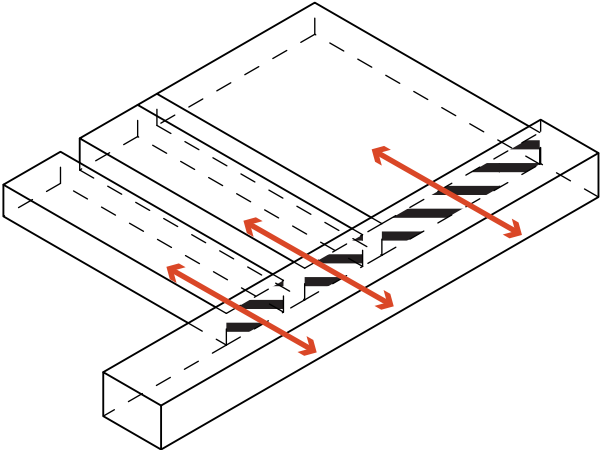
BUILDING COMPLEX
CONFIGURATION OF PATH AND OPENNING

STREET

ALLEY

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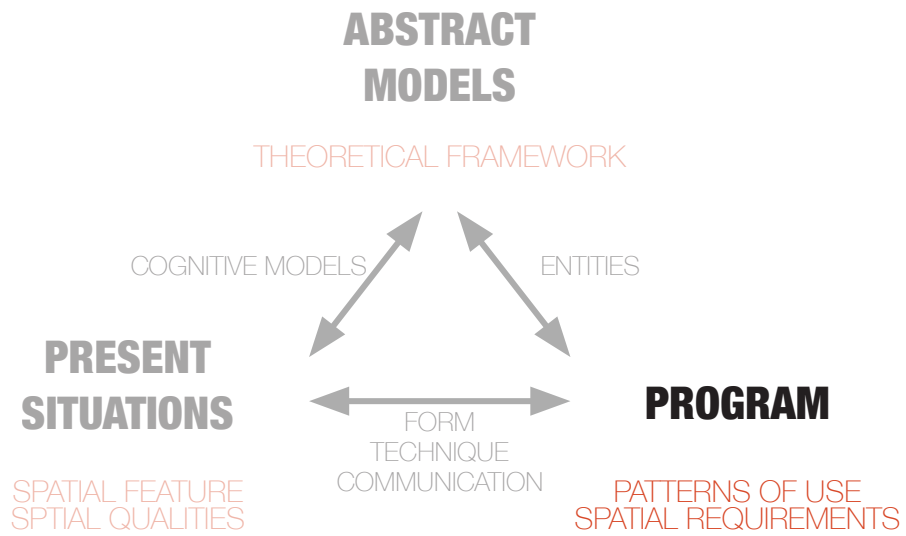
PART 4
PROGRAM

PROGRAM
VISIONS

A CULTURAL PARK
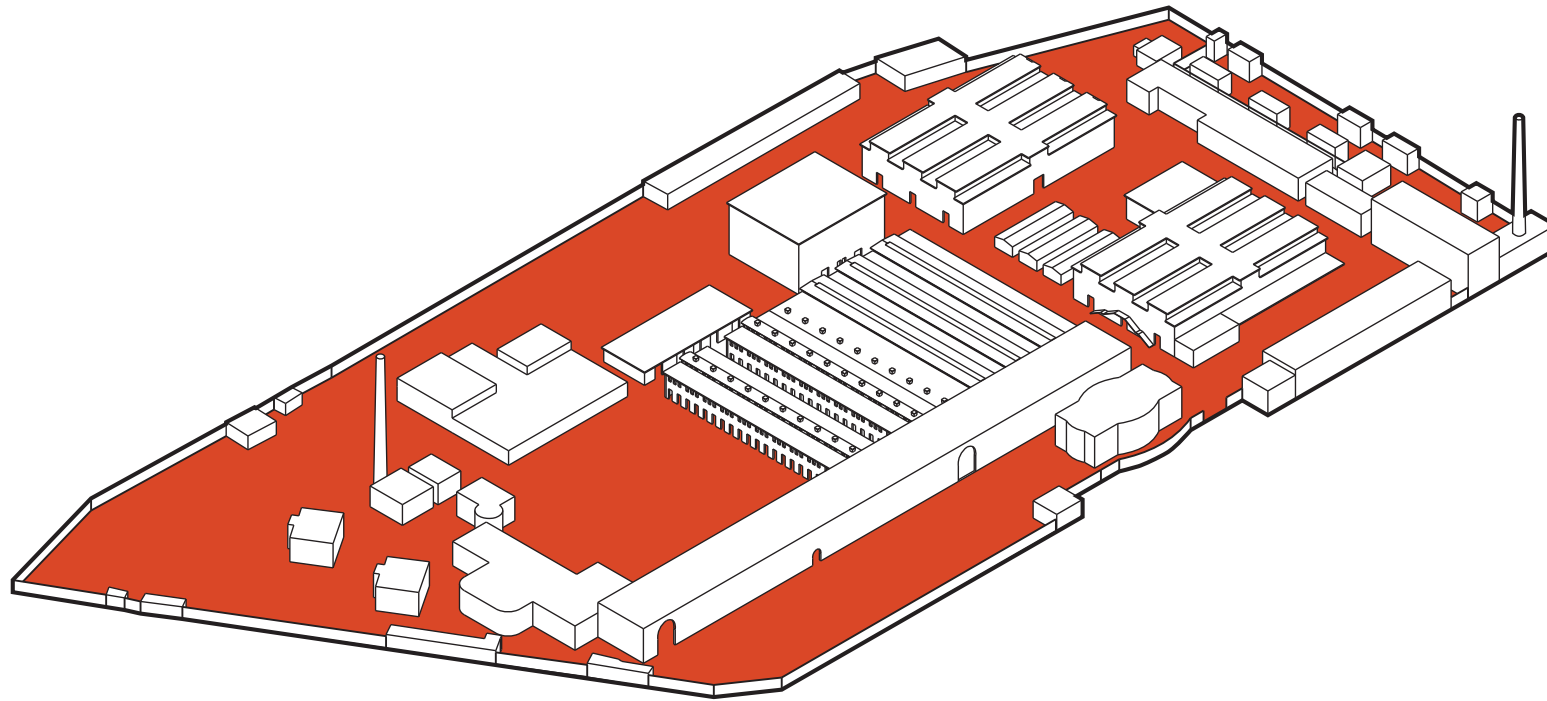
Residents from surrounding communities

Tourists
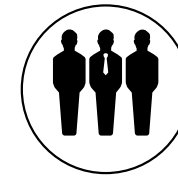
Professionals

PROGRAM
EVENTS VERSE USERS

■ For Tourists
■ For Residents
■ For Professionals

FOOTBALL FIELD
EXHIBITION
MUSEUM
YOUTH CENTRE
ARCHIVE
SHOPS
PLAYGROUND
CINEMA
WORKSHOPS
SKATING RINKS
RESTAURANT
ART GALLERY
STREET ARTS
LANDSCAPE PARK
LIBRARY
THEATRE

PROGRAM
PATTERNS BETWEEN ELEMENTS
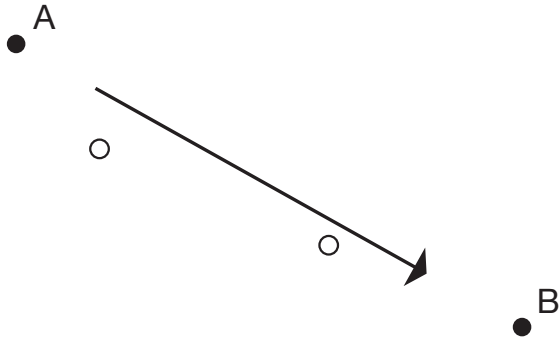
PROGRAMMED EVENTS

Events specially scheduled and not for every day. Participates come with purpose, travel directly to the location

Programs : Archive, Art Gallery, Youth Centres, Museum, Theatre, etc.
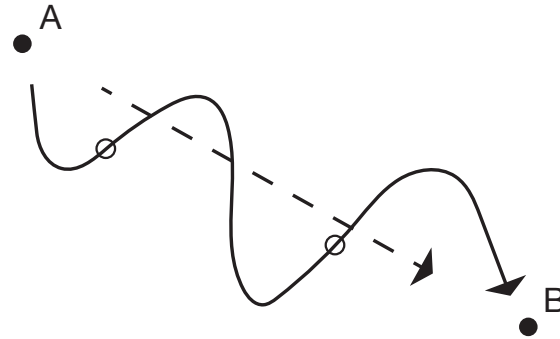
FACILITATED EVENTS

Events planned by organisers and could be daily activities. Participates might travel directly or indirectly to the location

Programs: Shops, Restaurants, Playgrounds, Football Field
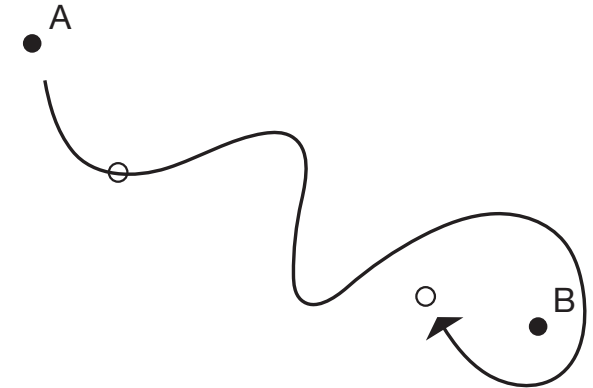
UNPROGRAMMED EVENTS

Events could not be totally foreseen by organisers and could be daily activities. Participates wander around the site.

Programs: Plaza, Landscape Park, Street Arts, Picnics, etc.

PROGRAM
PATTERNS OF INNER ORGANAZATIONS
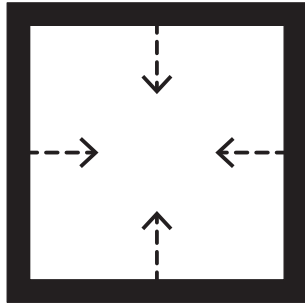
INTROVERT SPACE

Programs : Archive, Art Gallery, Youth Centres, Museum, Theatre, etc.
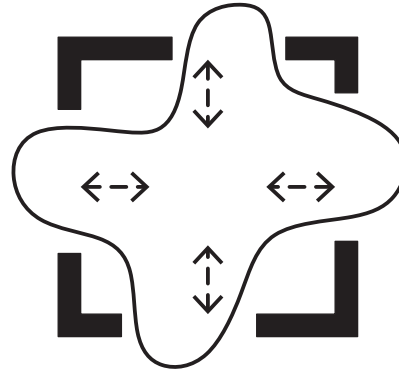
IN BETWEEN SPACE

Programs: Shops, Restaurants, Playgrounds, Football Field
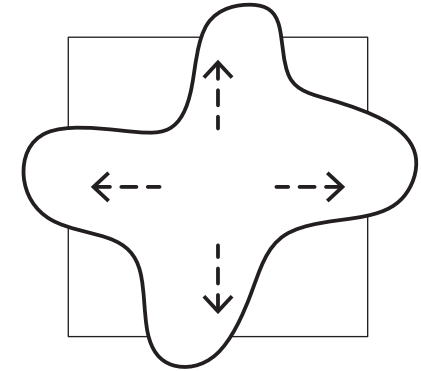
EXTROVERT SPACE

Programs: Plaza, Landscape Park, Street Arts, Picnics, etc.
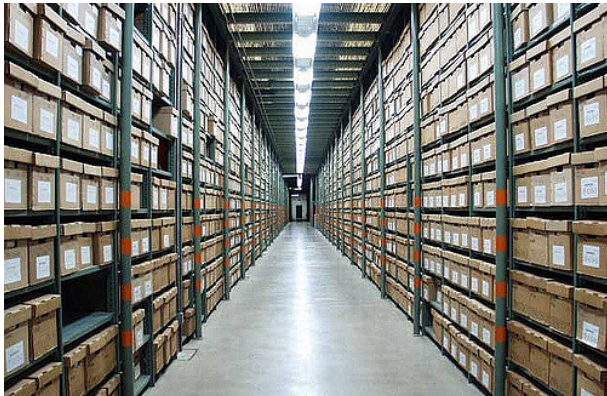
# PATTERNS OF SPACE
INTROVERT SPACE
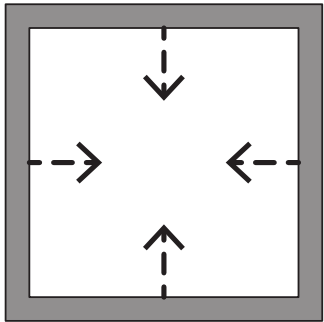
INTROVERT SPACE

Single or limited entrances
The connections between users
and outside are cut off
Activities happen inside border
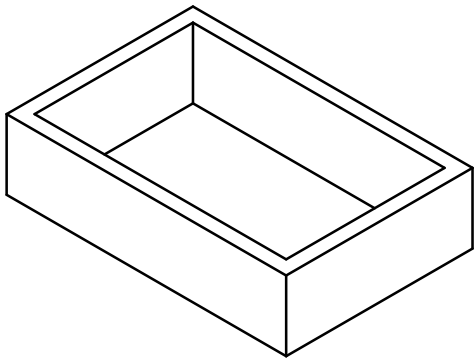
- – → Visual Connection
- → Movement
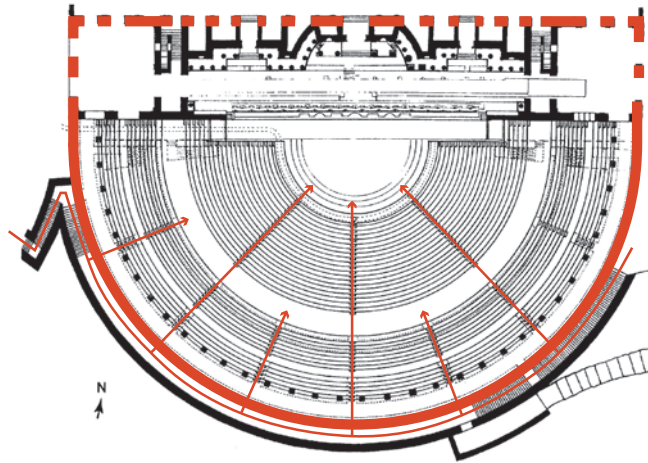
Floor Plan of Roman Theatre
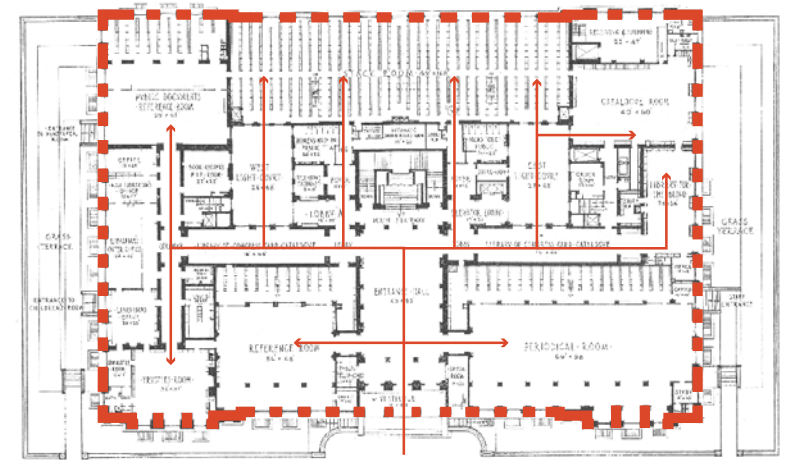
Ground Floor Plan of Central Library of Philadephia
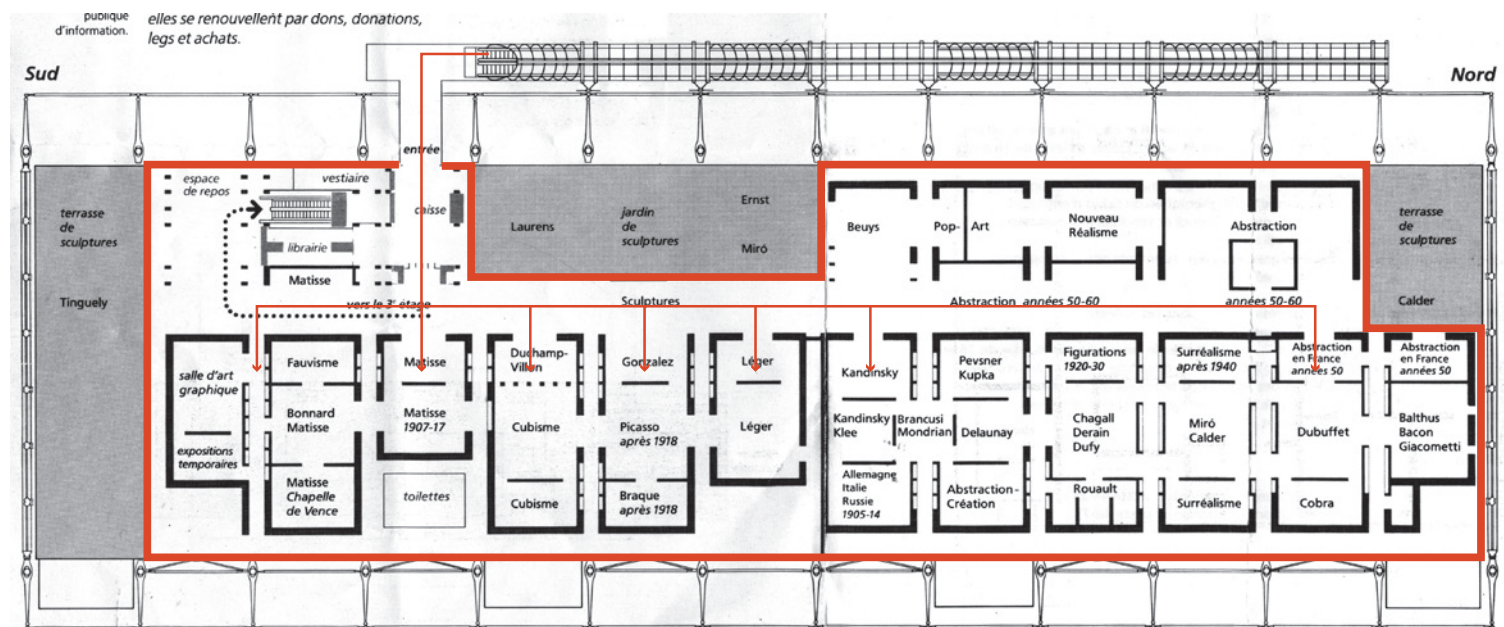
Fourth Floor Plan of Centre Pompidou Museum

PATTERNS OF SPACE
IN BETWEEN SPACE
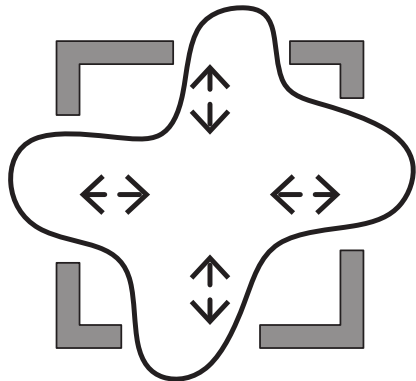
IN-BETWEEN SPACE

Multi-entrances
Users are visually connected to outside
Activities happen both inside and outside border
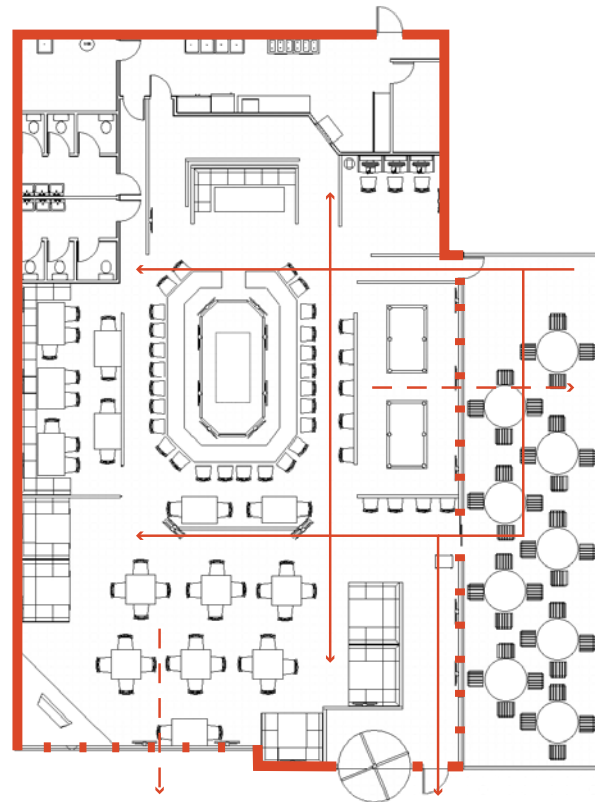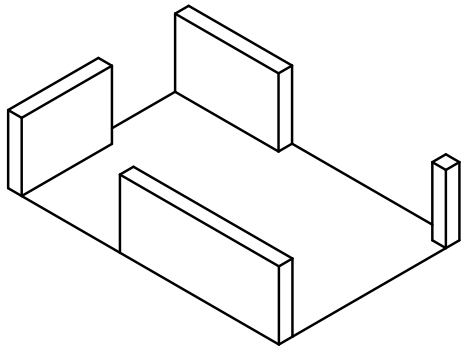
Floor Plan of Restaurant
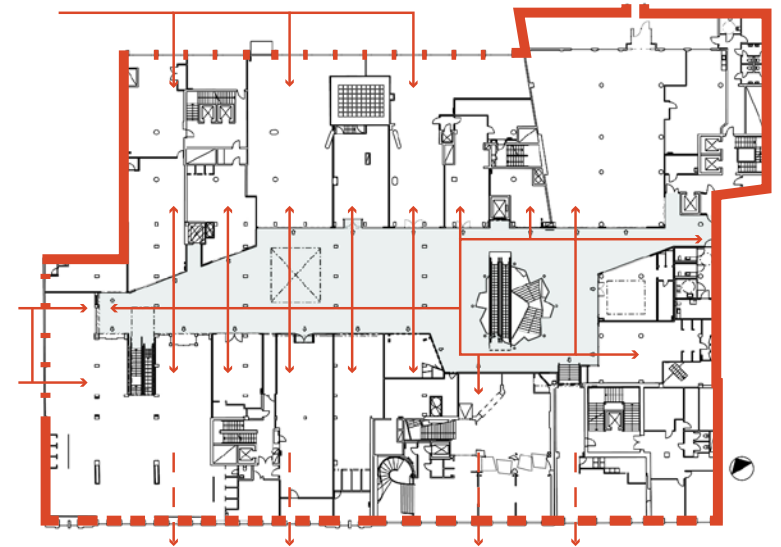
Floor Plan of Paleet Shpping mall

- – → Visual Connection
- —→ Movement
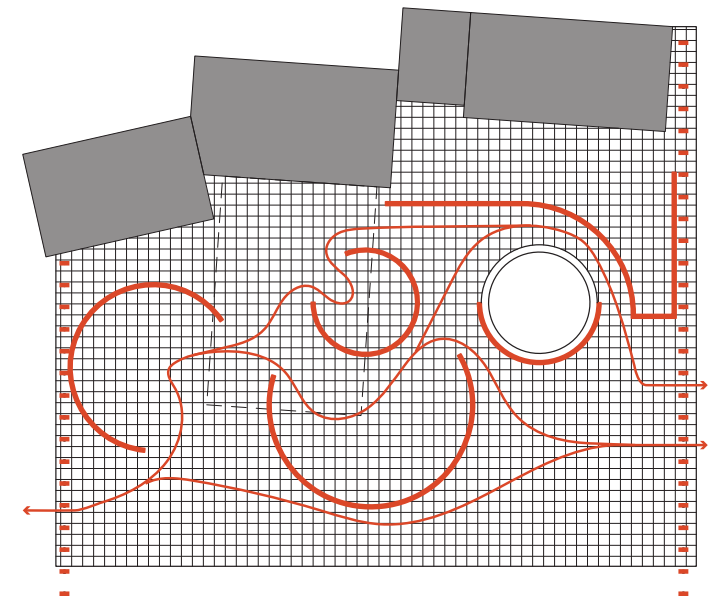
Floor Plan of Playround

PATTERNS OF SPACE
EXTROVERT SPACE
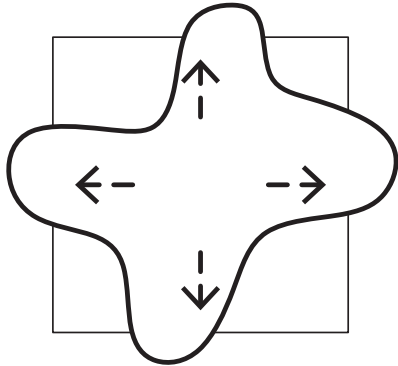
EXTROVERT SPACE
Free boudaries
Users are visually & physically con-
nected to & influenced by outside
Activities happen around some
installations or other events
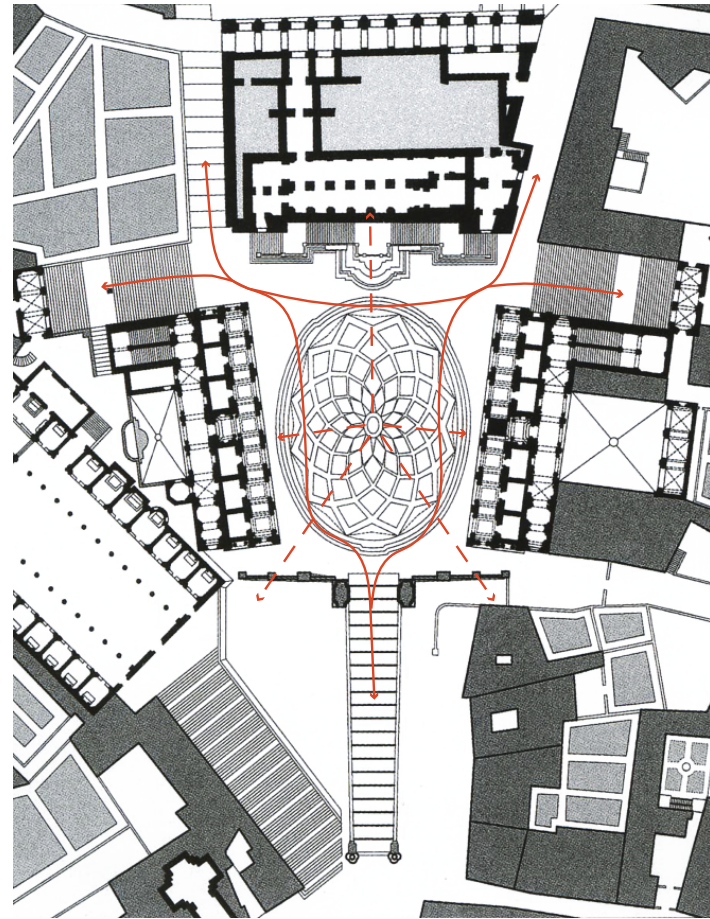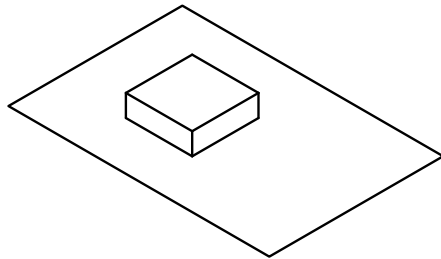
Floor Plan of La Piazza del Campoidolio

- - → Visual Connection
— → Movement

Floor Plan of Bahnhofplatz
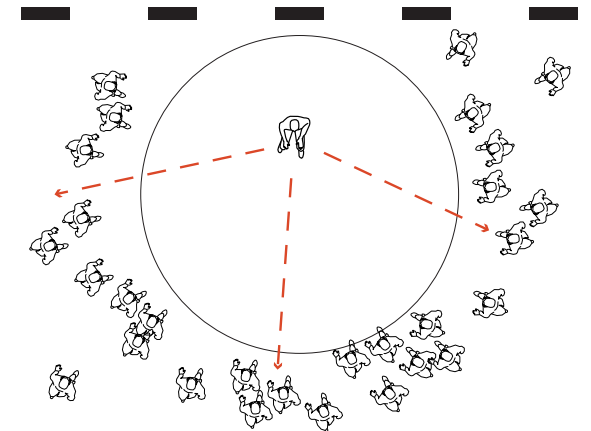
Floor Plan of a Busking Scenery

CONCLUSION
THREE TYPE OF EVENTS/ SPACE
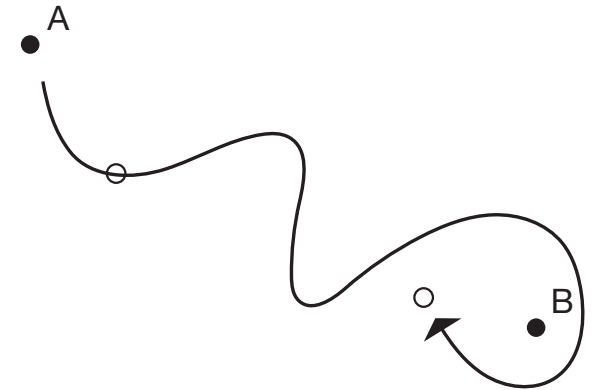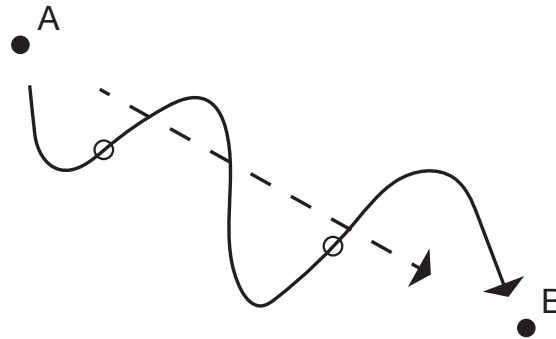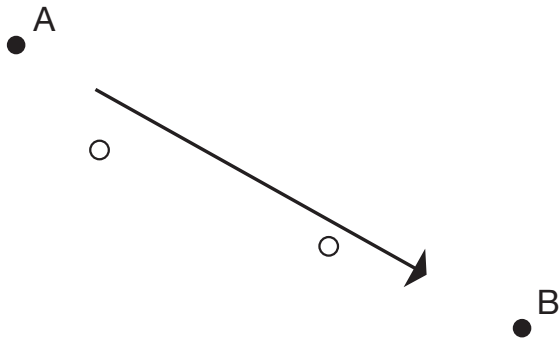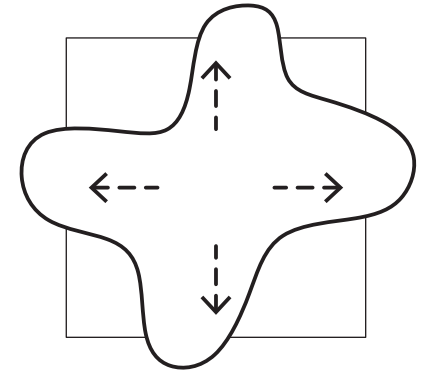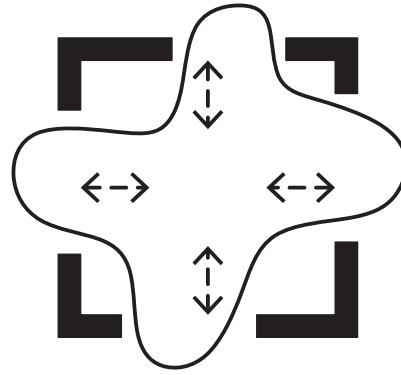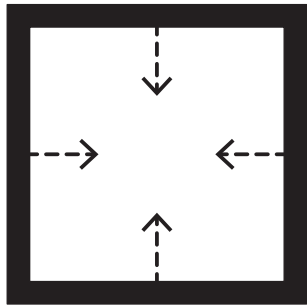
PROGRAMMED EVENTS

Programs : Archive, Art Gallery, Youth Centres, Museum, Theatre, etc.

**INTROVERT SPACE
APROACHING DIRECTLY**

FACILITATED EVENTS

Programs: Shops, Restaurants, Playgrounds, Football Field

**IN BETWEEN SPACE
DIRECTLY/ INDIRECTLY**
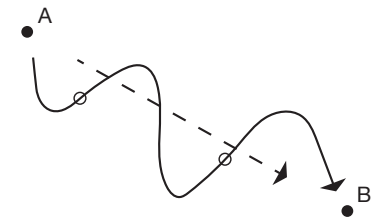
UNPROGRAMMED EVENTS

Programs: Plaza, Landscape Park, Street Arts, Picnics, etc.
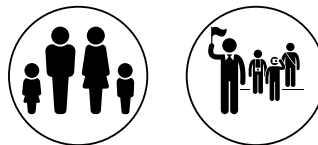
**EXTROVERT SPACE
WANDERING AROUND**
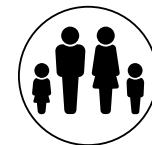
CONCLUSION
RE-DEFINING ENTITIES

PROGRAMMED EVENTS

FACILITATED EVENTS

UNPROGRAMMED EVENTS
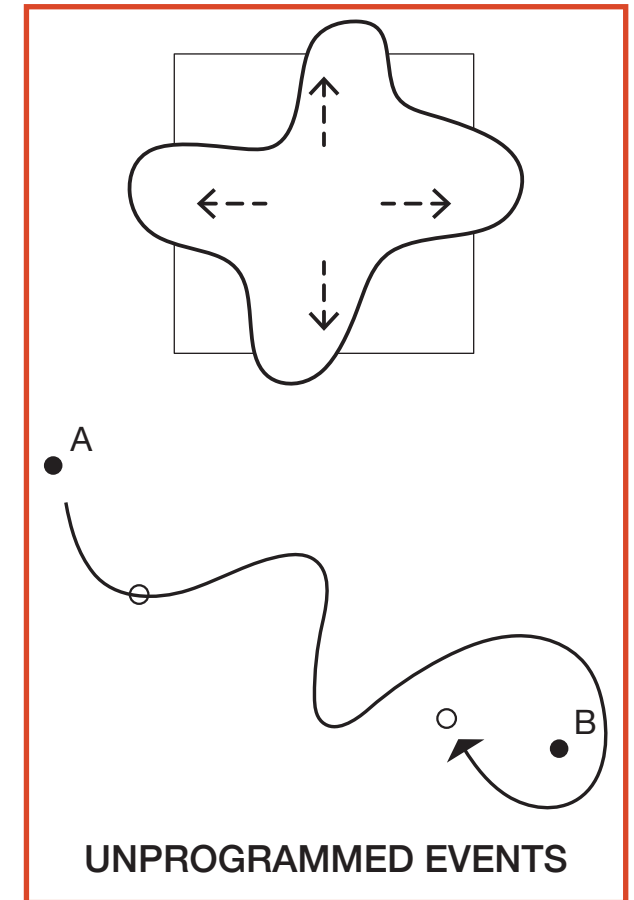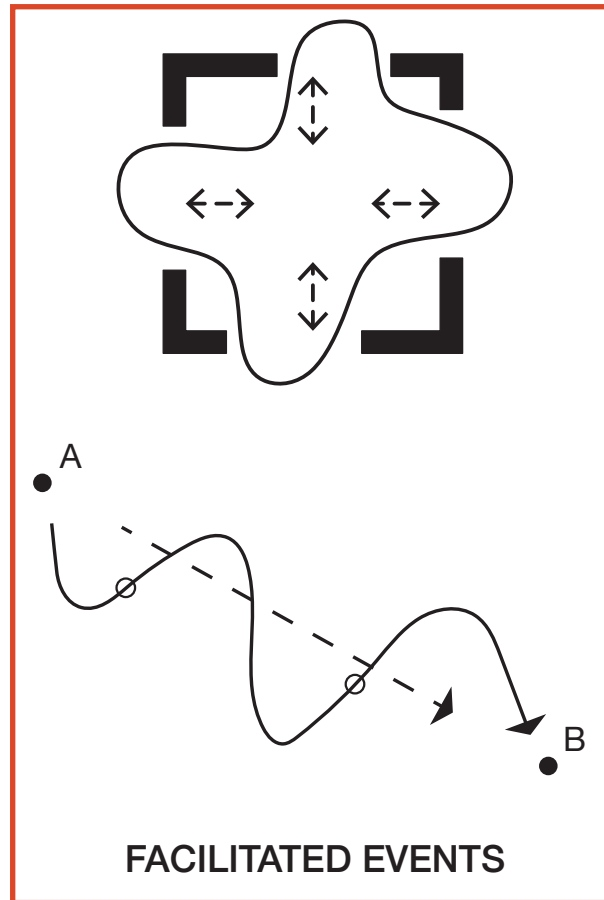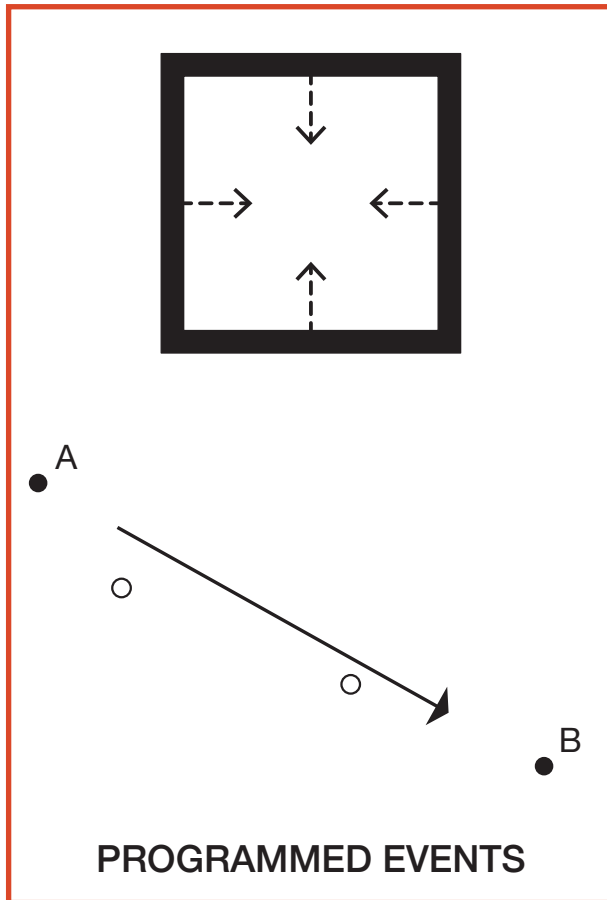
ENTITIES
Something that has separate and distinct existence and objective reality

OCCASIONAL VISITORS, LOCAL CULTURE EXPERTS RESIDENTS FROM SUR-ROUNDING COMMUNITIES

PEOPLE WHO INVOLVED IN THE SAME EVENTS AND SHARING THE SAME PATTERN OF USE

ABSTRACT
MODELS

THEORETICAL FRAMEWORK

COGNITIVE MODELS   ENTITIES

PRESENT
SITUATIONS   **PROGRAM**

                    FORM
                    TECHNIQUE
SPATIAL FEATURE   COMMUNICATION   PATTERNS OF USE
SPTIAL QUALITIES   SPATIAL REQUIREMENTS
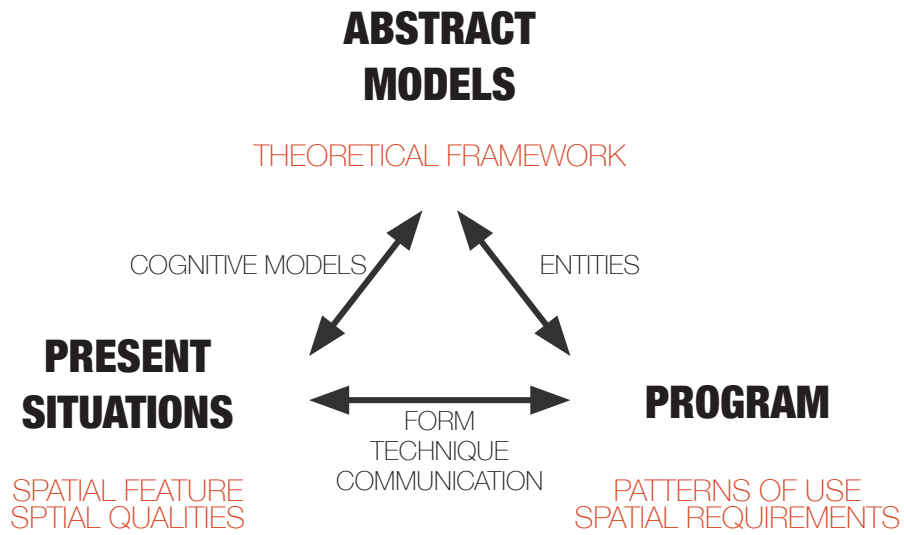
PART 5
PROJECTION

CONFLICT
A COMPARISON BETWEEN CURRENT ABATTOIR AND FUTURE SPATIAL REQUIREMENT

CURRENT ABATTOIR: LAYERS OF ENCLAVE
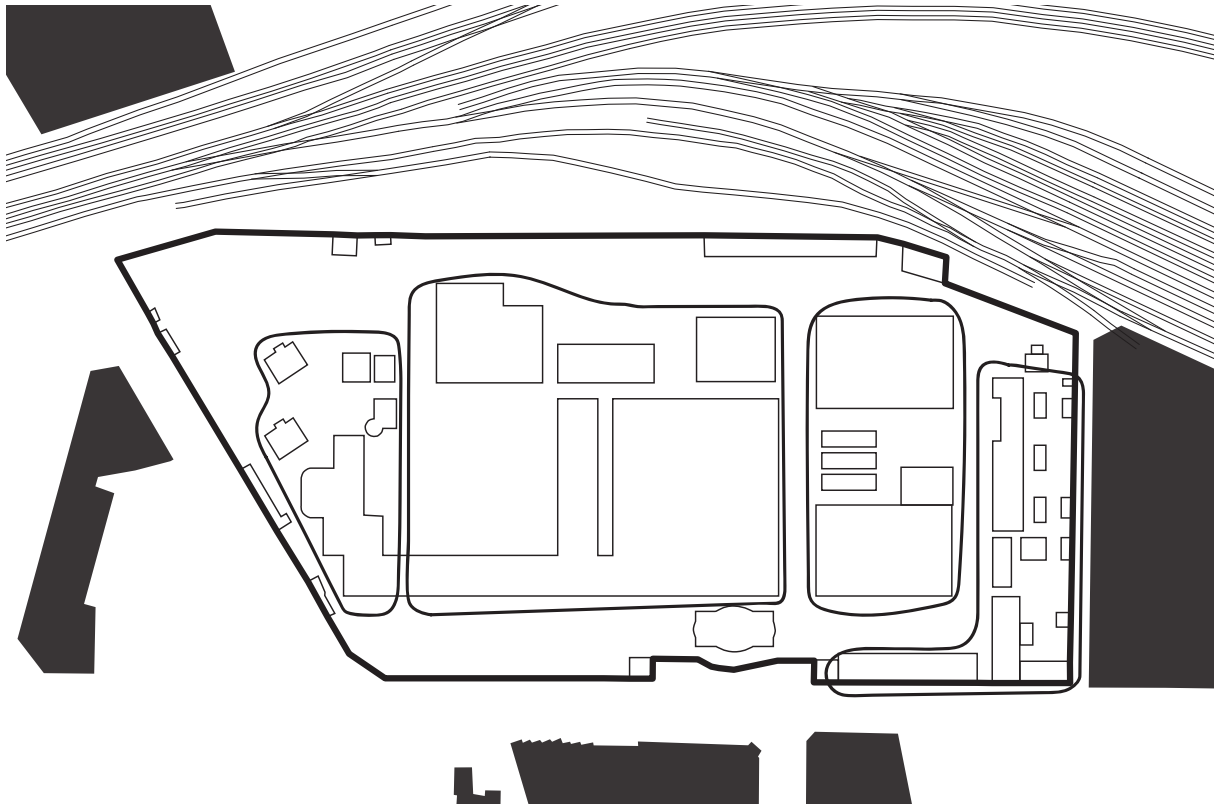
FUTURE THREE TYPES OF SPACE


VS.
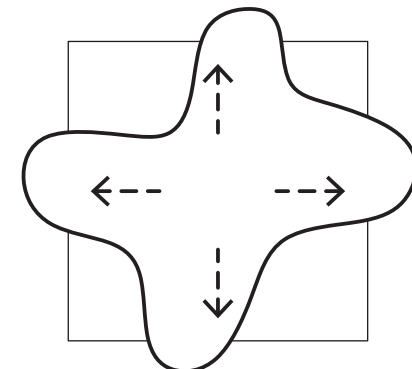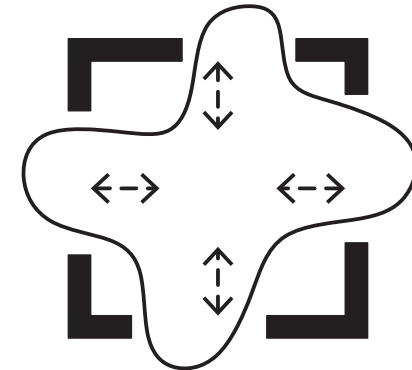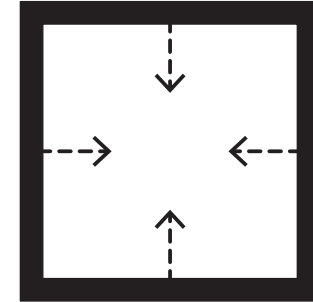
STRATEGY
A TRIPARTITE INTERVENTION STRATERGY
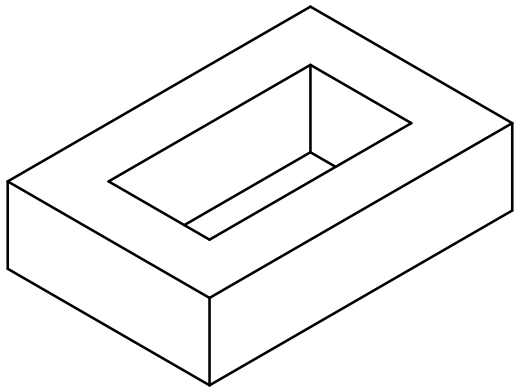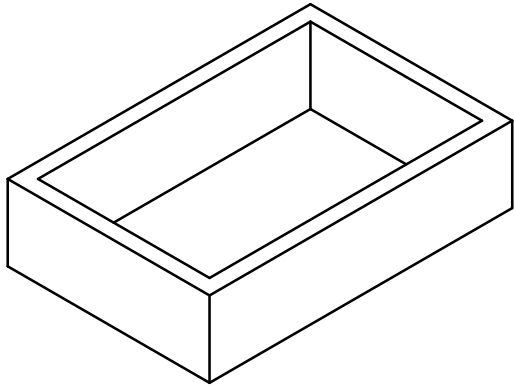
COMPLETION/
RESTITUTION
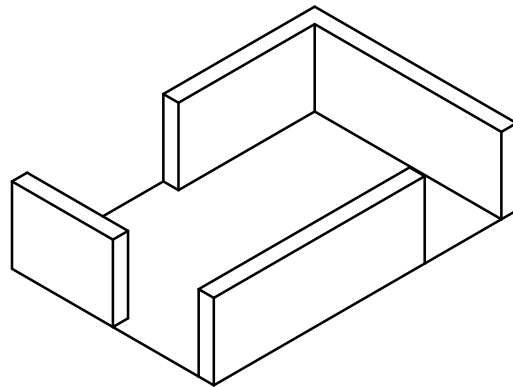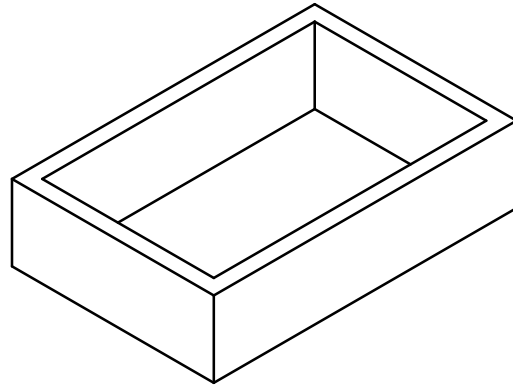
JUXTAPOSITION
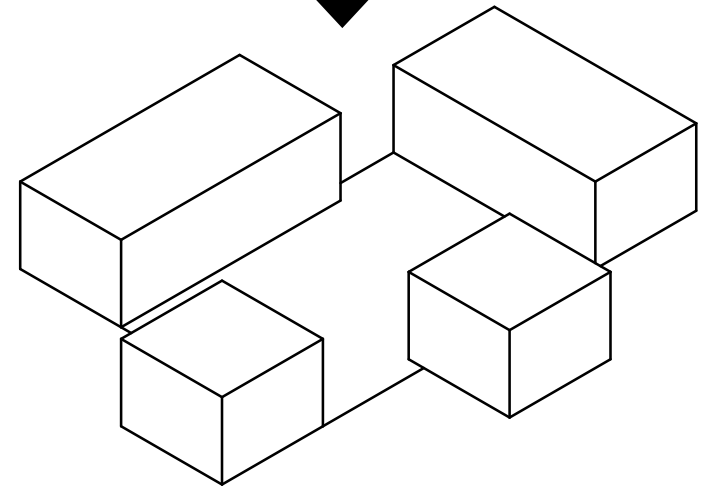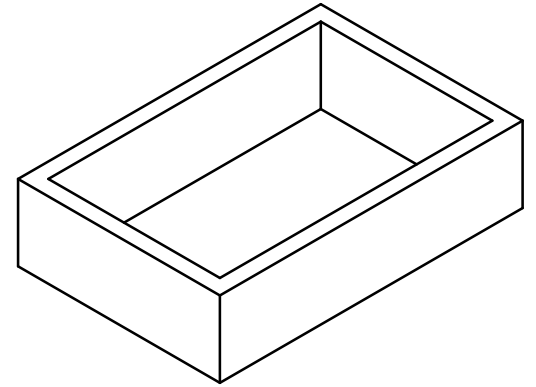
OVERWRITTEN/ SUBVERSION

STRATEGY
CLUSTERS AND COMMON SPACE
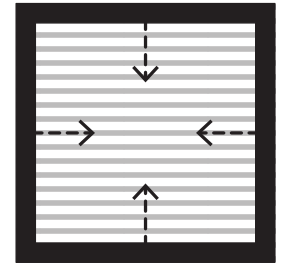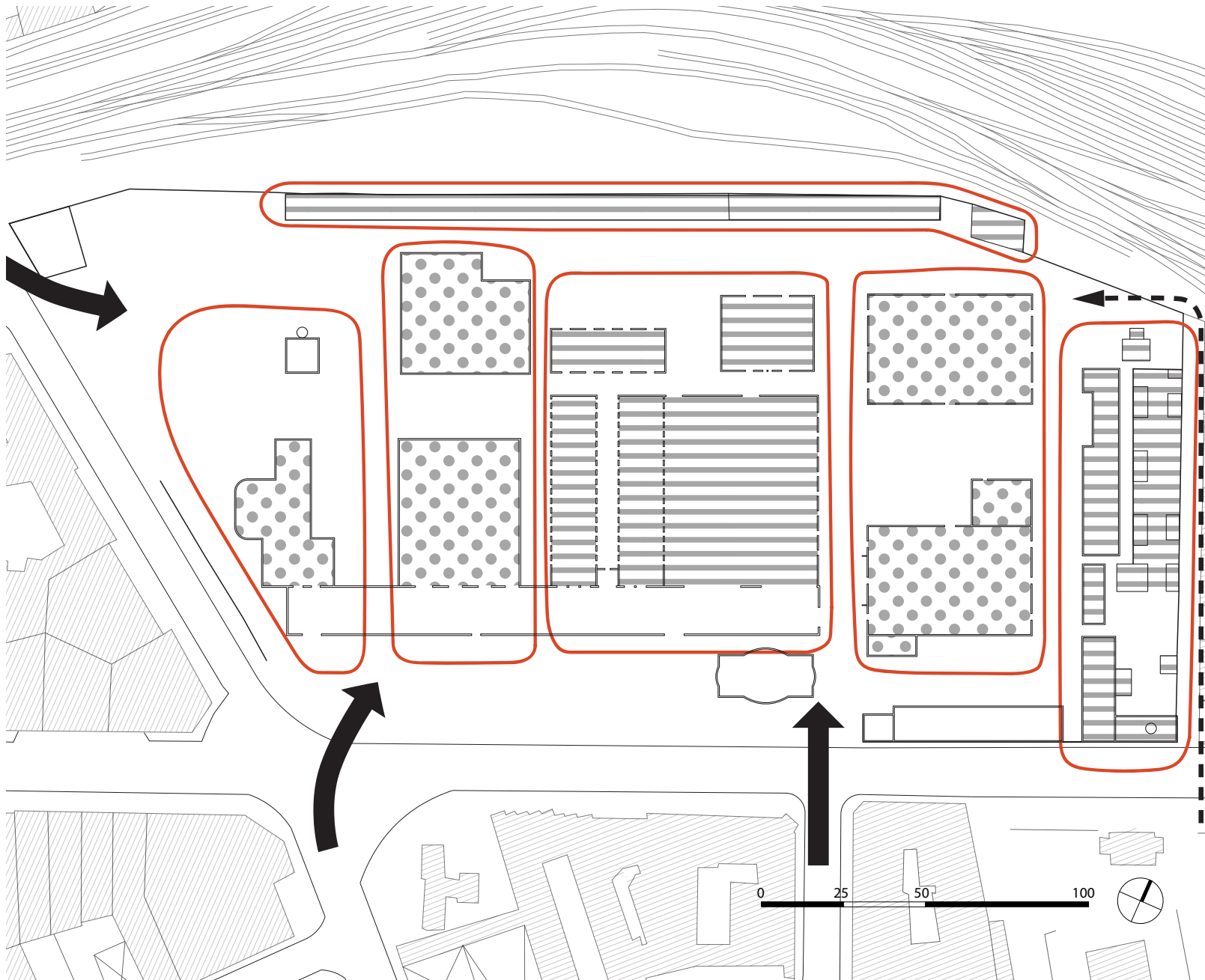
PROGRAMMED EVENT
Archive, Art Gallery, Youth Centres, Theatre, Auxilaries

FACILITATED EVENT
Shops, Restaurants, Playgrounds, Football Field

UNPROGRAMMED EVENT
Urban Plaza, Landscape Park, Street Arts

0   25   50   100
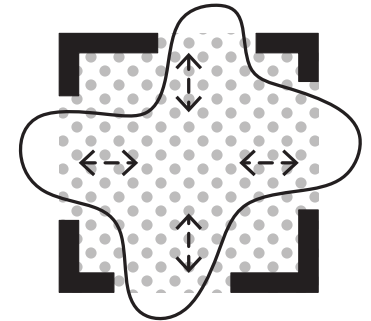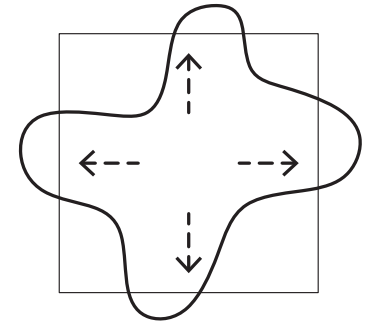
STRATEGY
A CIRCULATION SYSTEM INTEGRATING THREE TYPES OF SPACE

PROGRAMMED EVENT
Archive, Art Gallery, Youth
Centres, Theatre, Auxilaries

FACILITATED EVENT
Shops, Restaurants,
Playgrounds, Football Field

UNPROGRAMMED EVENT
Urban Plaza, Landscape Park,
Street Arts

Primary Circulation
Secondary Circulation
Inner Connection

0   25   50   100
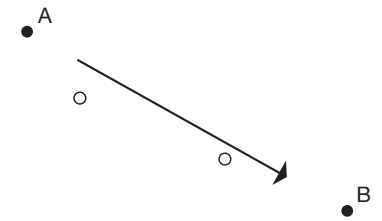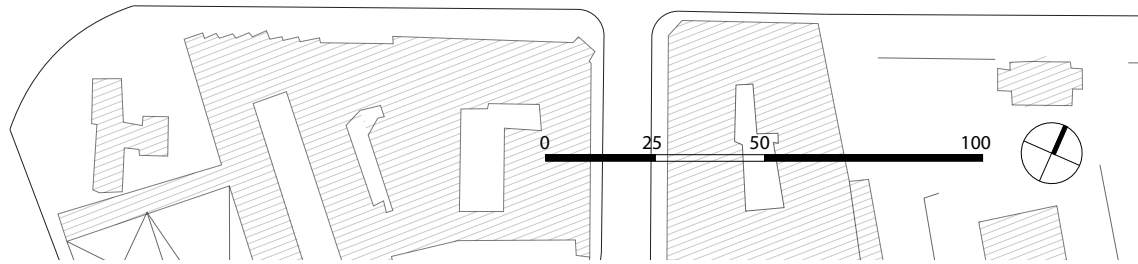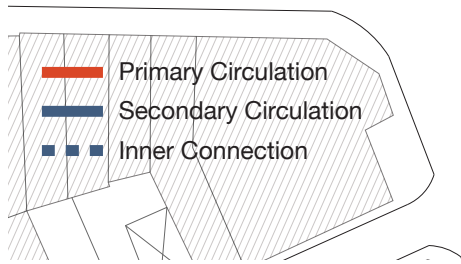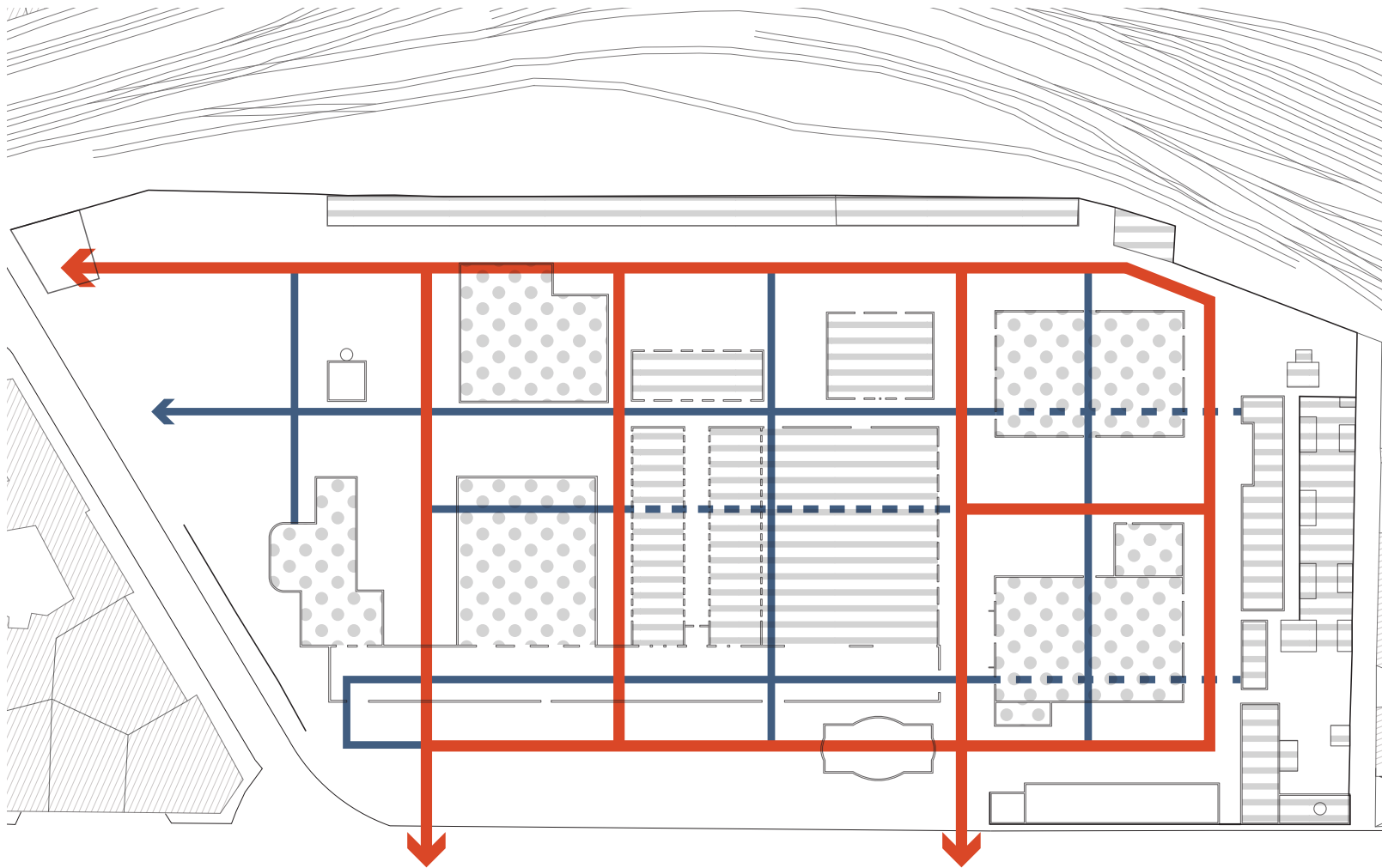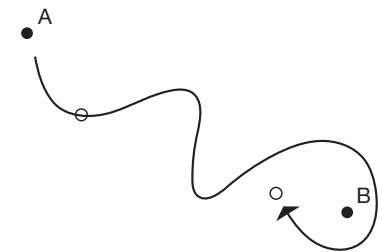
STRATEGY
A CIRCULATION SYSTEM INTEGRATING THREE TYPES OF SPACE
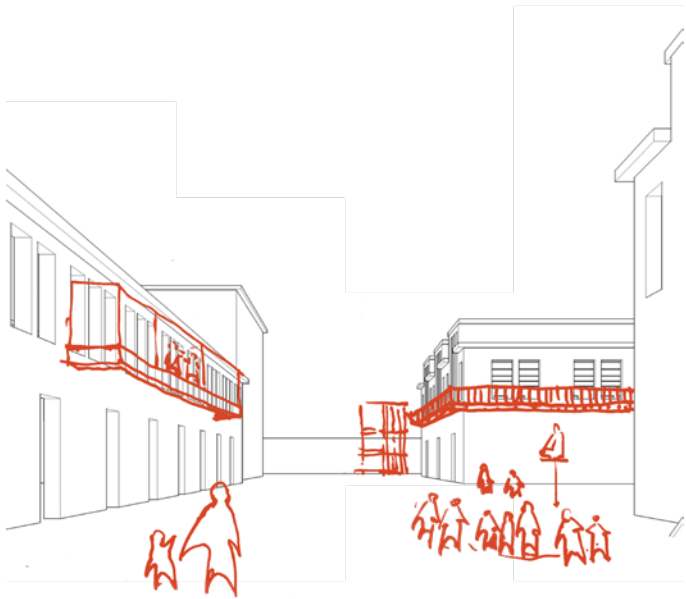
PRIMARY CIRCULATION
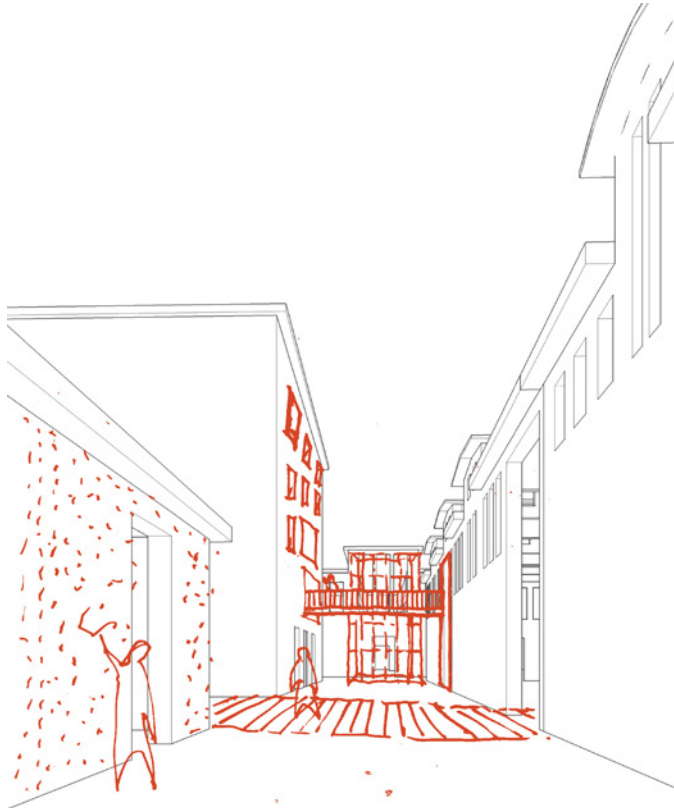
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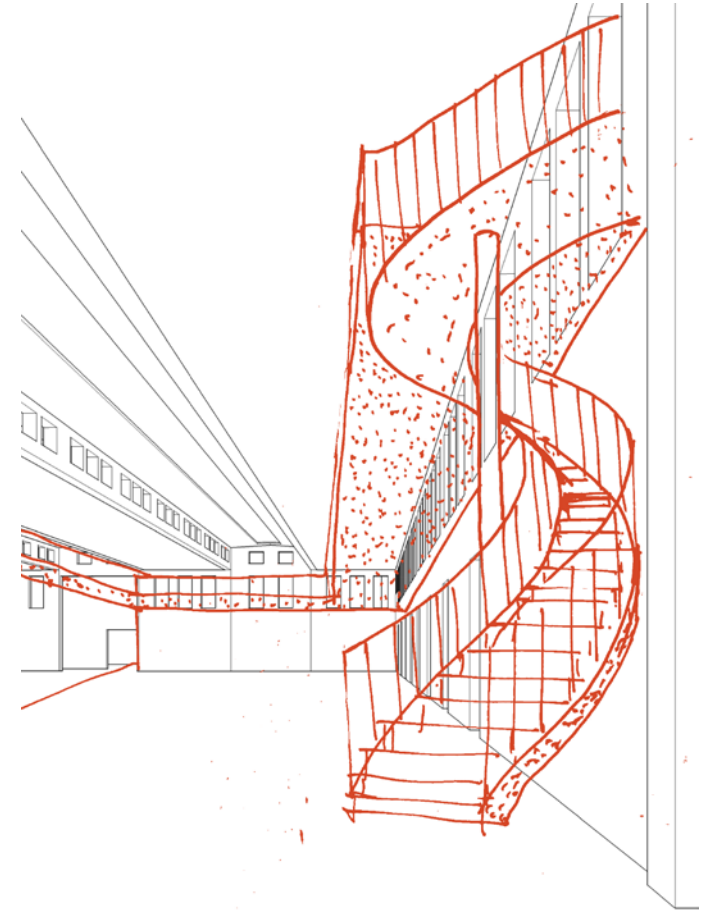
INNER CONNECTION

STRATEGY
JOINTS/ POINTS OF ATTRACTION

Legend:

- ○ Joints/ Points of Attraction
- ━━ Primary Circulation
- ━━ Secondary Circulation
- ┅┅ Inner Connection

0   25   50   100
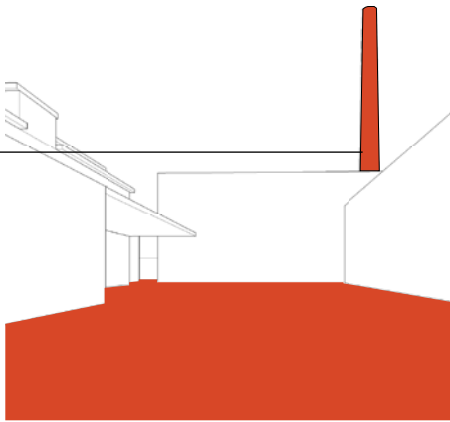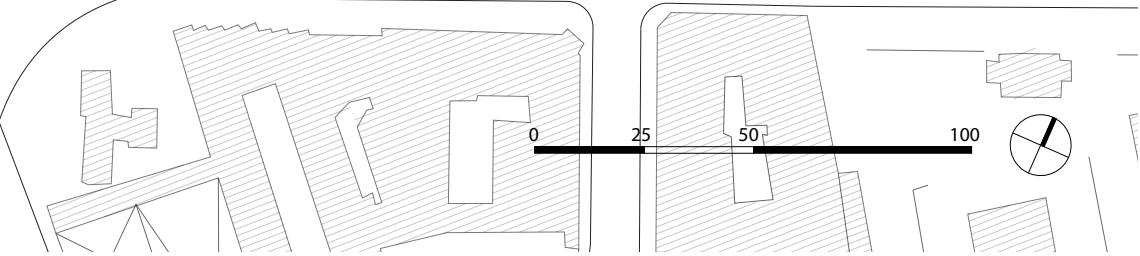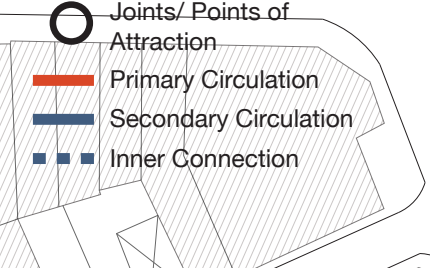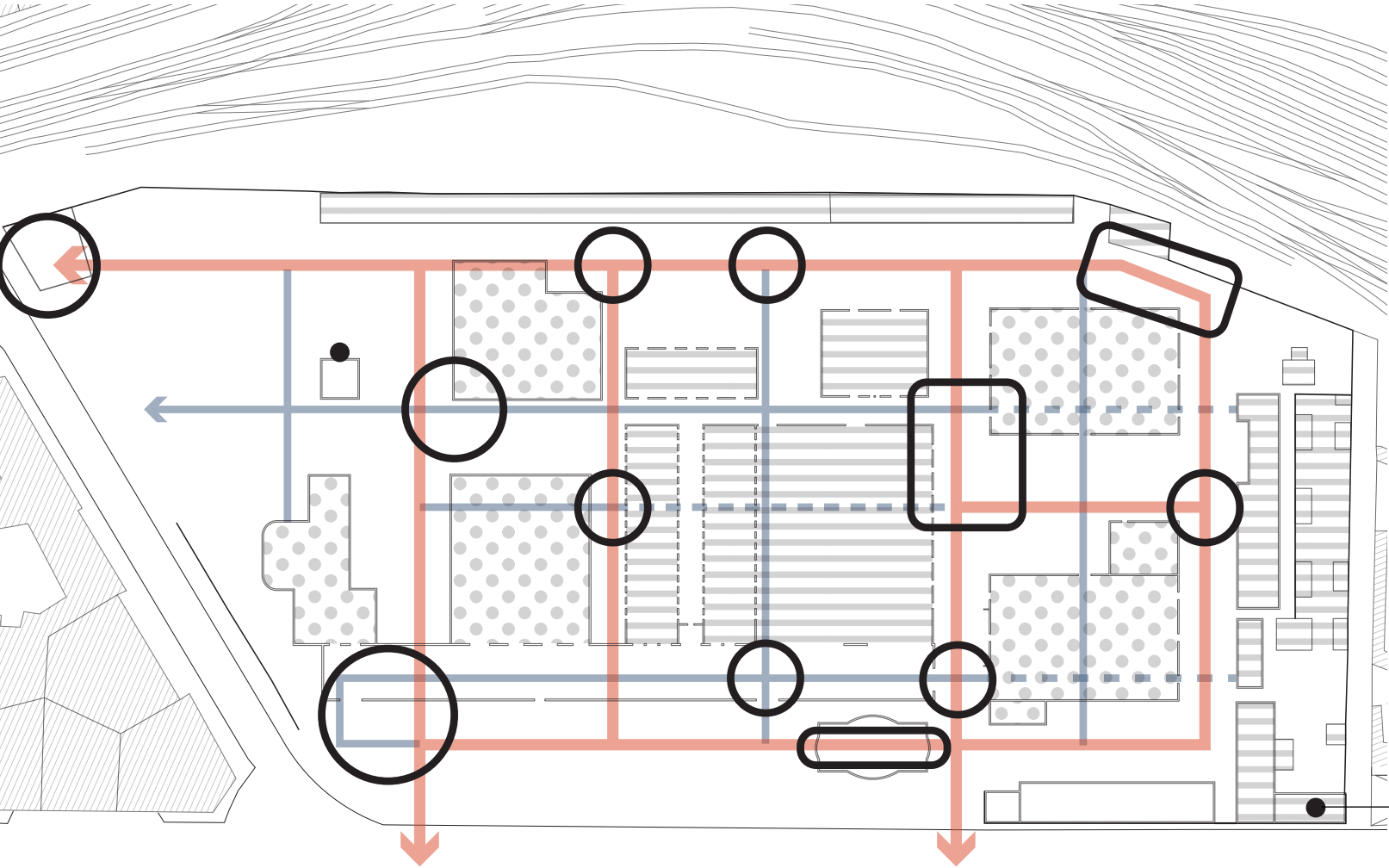
EXISTING NODES

TOOL
TOOLBOX: A CONSISTENT LANGUAGE

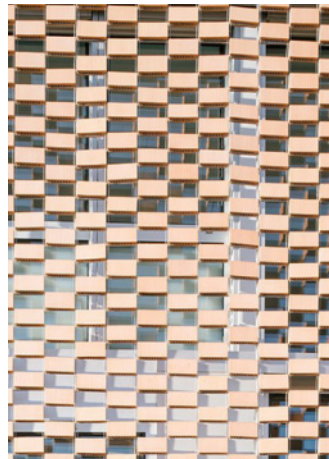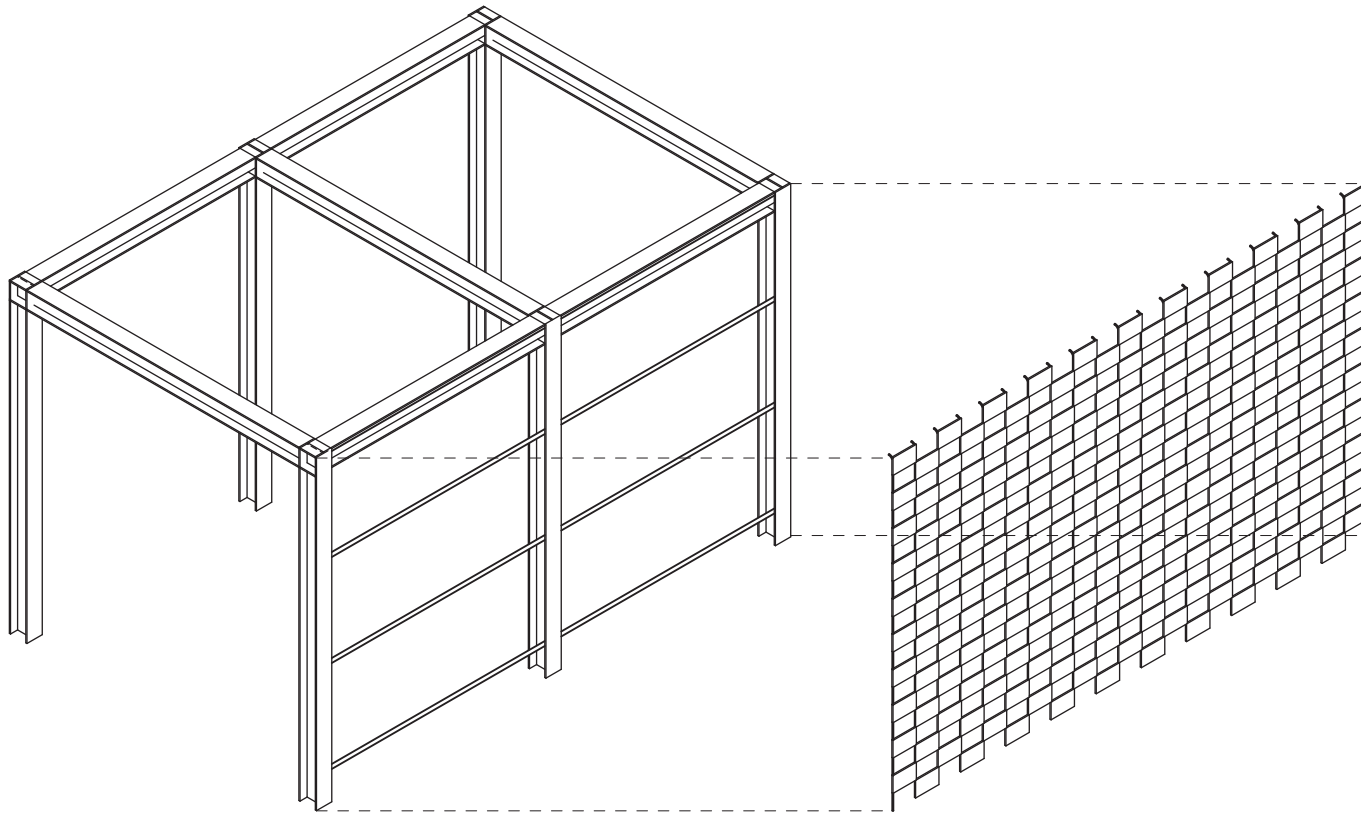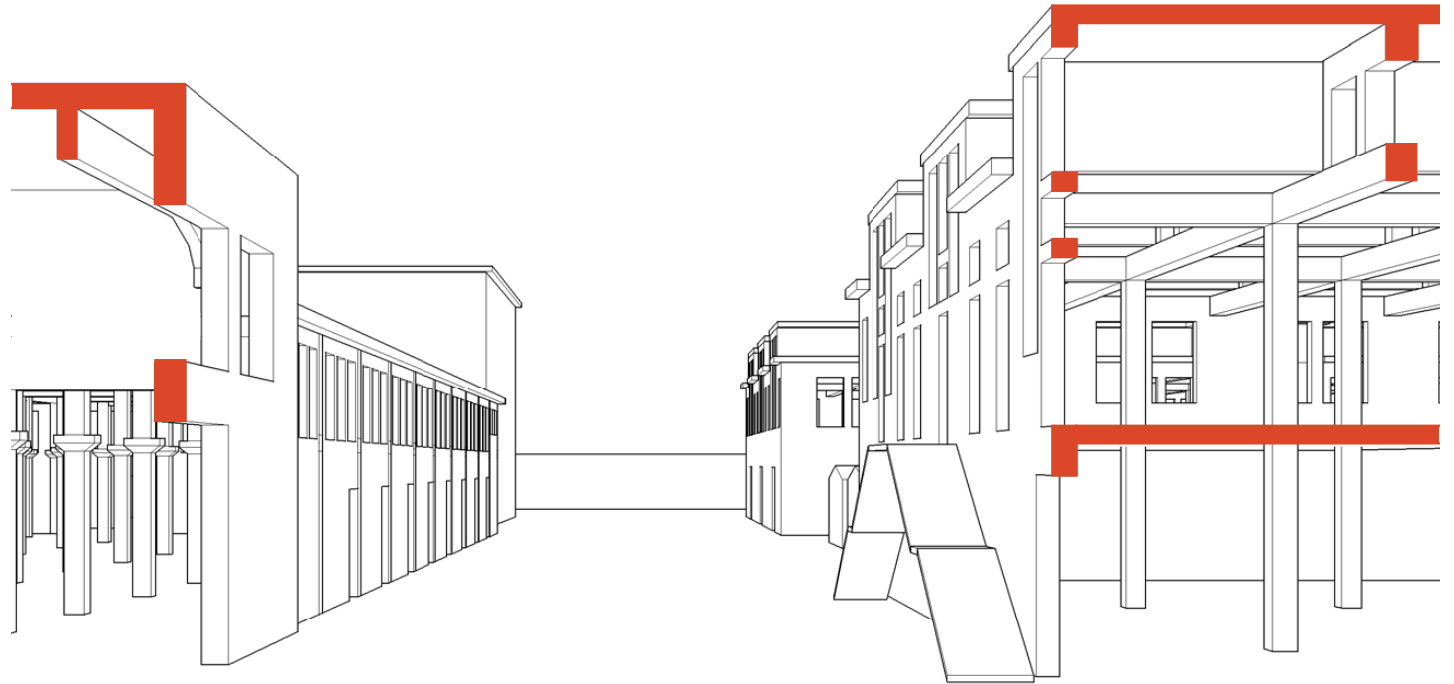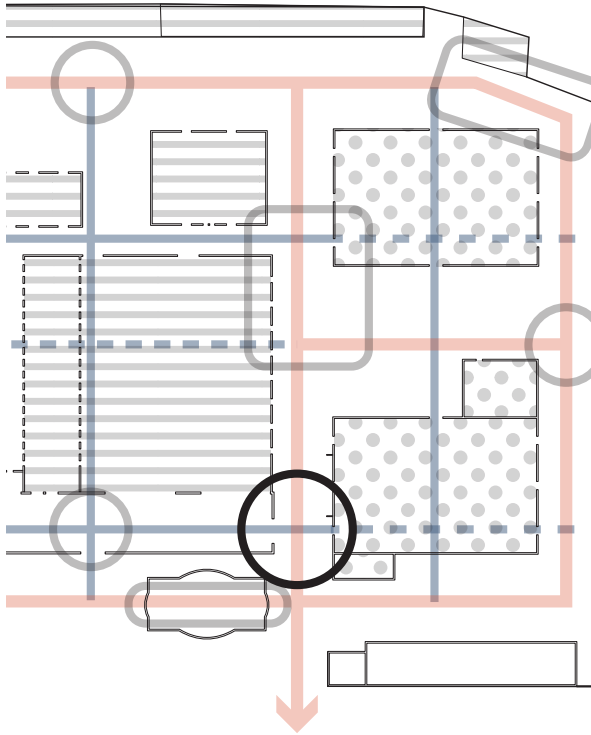|	COMPLETION/ RESTITUTION	JUXTAPOSION	OVERWRITTEN/ SUBVERSION	COMMUNICATION/ ATTRACTION

DOT
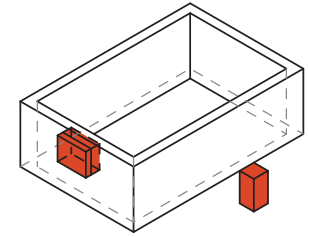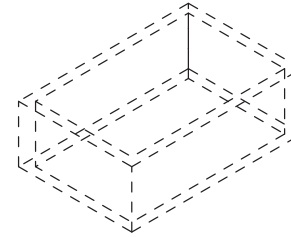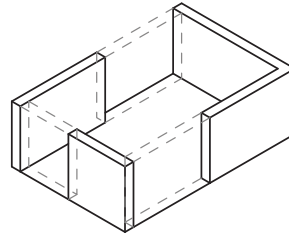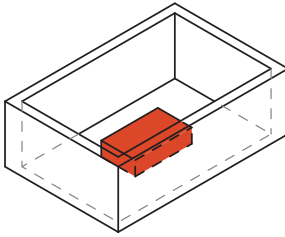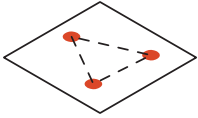
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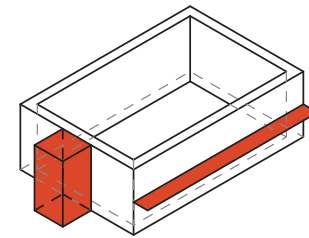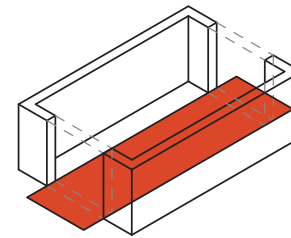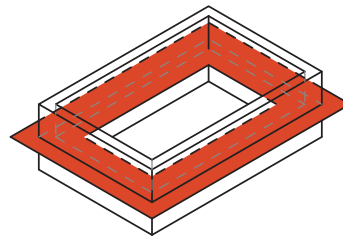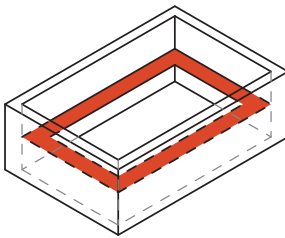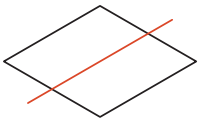
SURFACE
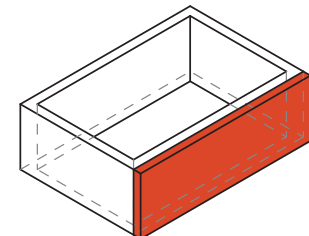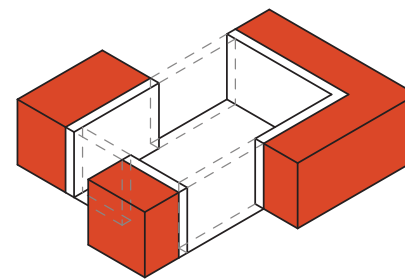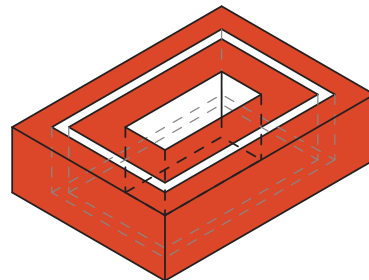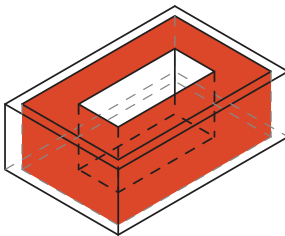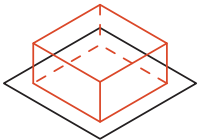
TOOL
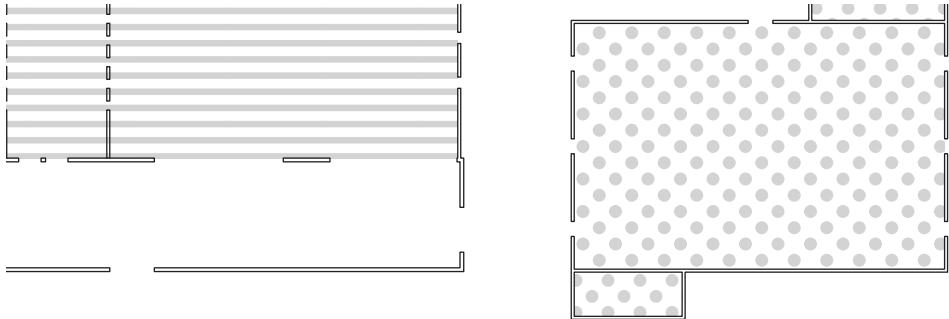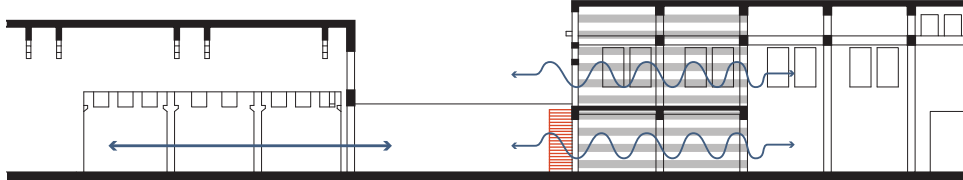TOOLBOX: STEEL STRUCTURE AND ZELLIGE TILES
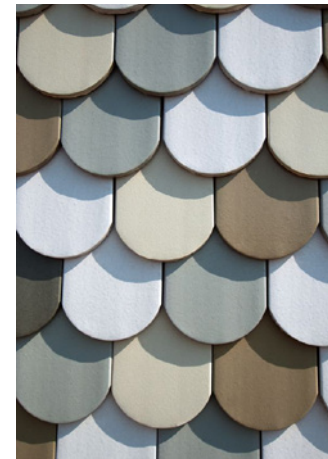
METHOD
A TESTING POINT

METHOD
SELECTING TOOLS

THE TYPES OF SPACE

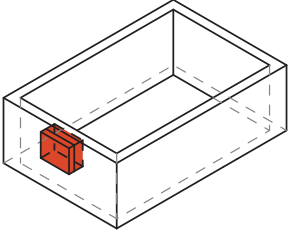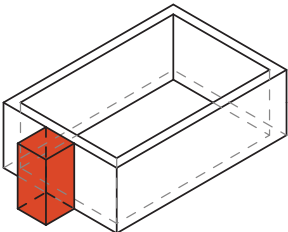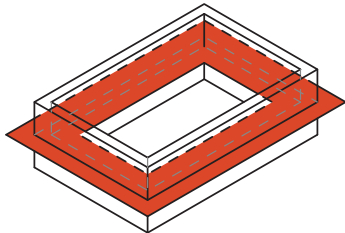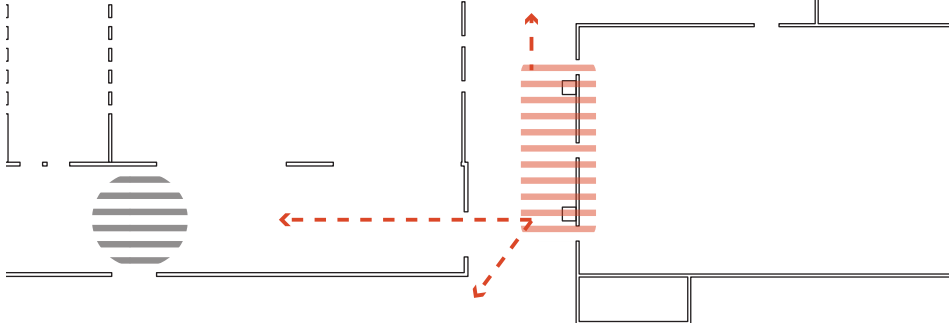**SPATIAL FEATURE OF ORGINAL DESIGN**

PATTERNS OF MOVEMENT
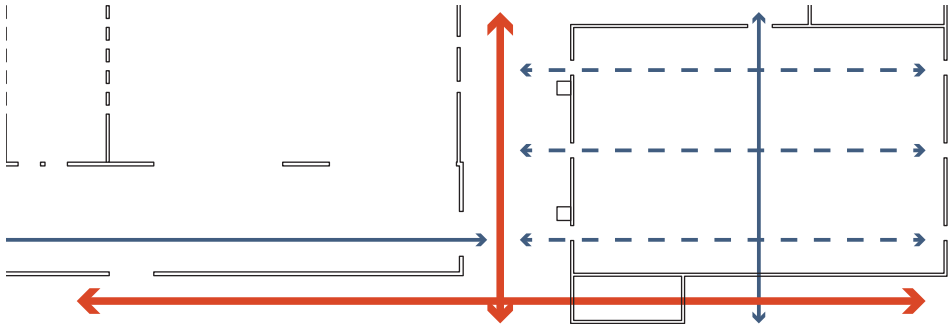
RELATIONS WITH OTHER JOINTS

METHOD
A TESTING POINT

DESIGN
INITIAL PROPOSAL

New Construction

Joints

Original Massing