

Katoenveem
performing | arts | centre

● values

subject
innovation
missing parts
waterfront
structural division
repetition
scale
lighting
transit system
circulation
detailing
materiality

● starting points

evaluation matrix
analysis' conclusions
research question
transformation framework
design guidelines
capacity of existing
traces of change
programme's choice
organization of space

● design

precise programme
references
first ideas
physical model 1:500
entrance & circulation
ramp & sample room
context- routing
masterplan sketches
masterplan
route
floor plans
introduction
multifunctionality
sections
structure
theatre space
climate design
facade
view from street
bt details
materials

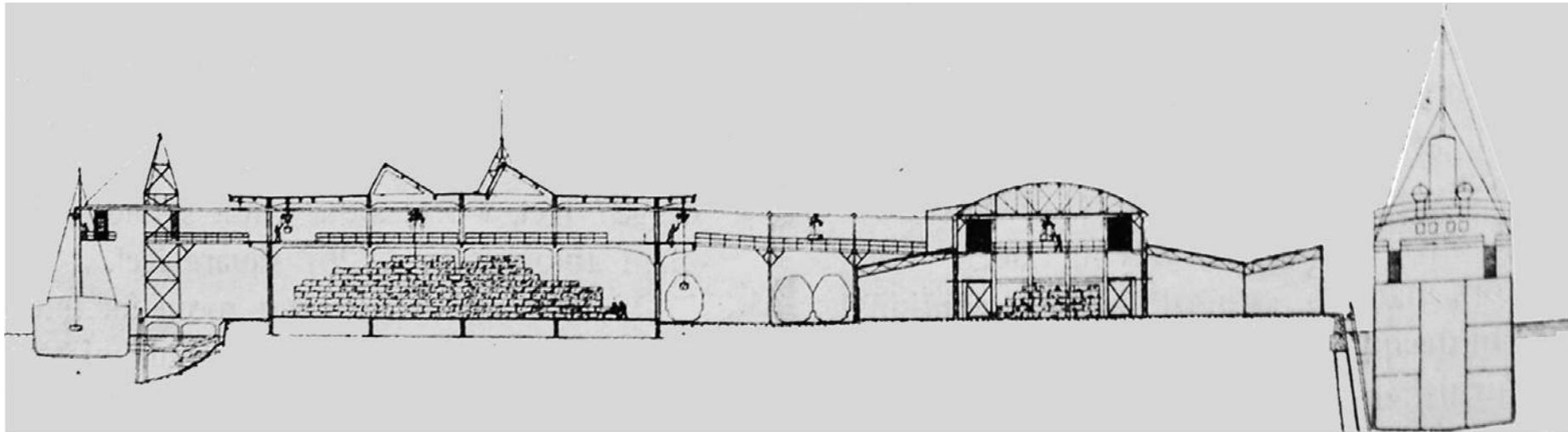
● values

subject

○ starting points

○ design





Original section drawing, 1919
«The pioneer», 1919, Stadsarchief Rotterdam

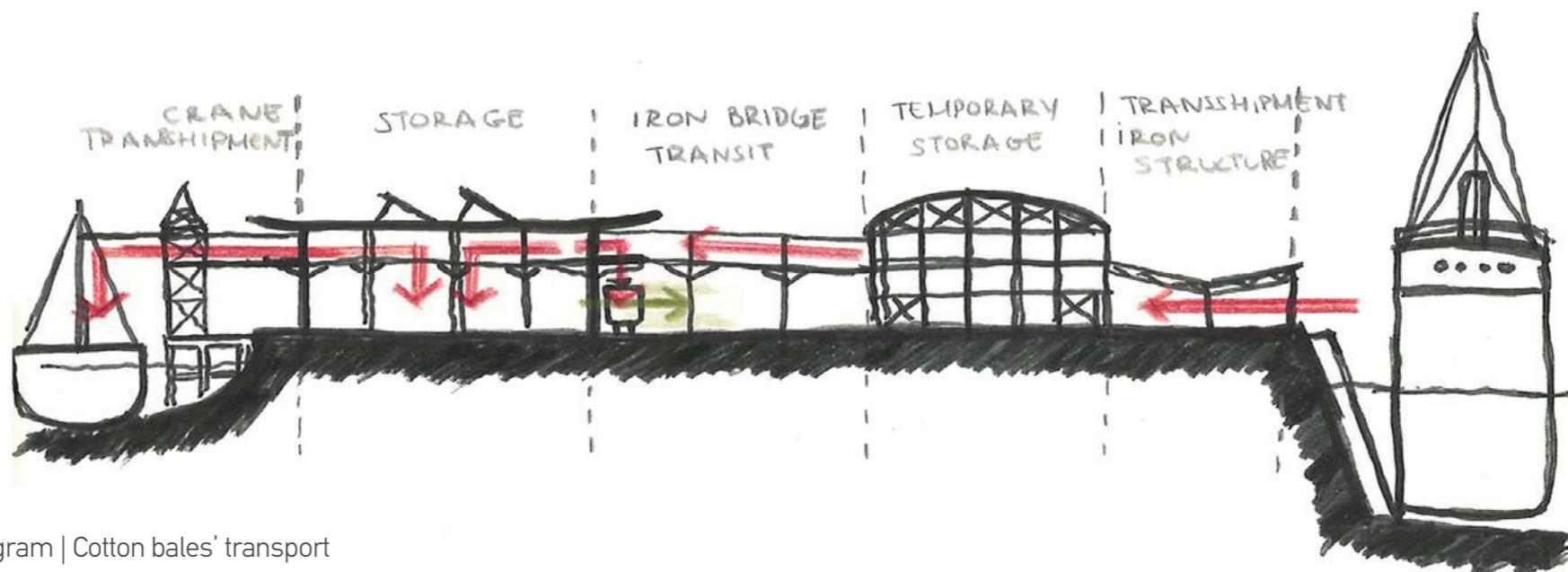


Diagram | Cotton bales' transport

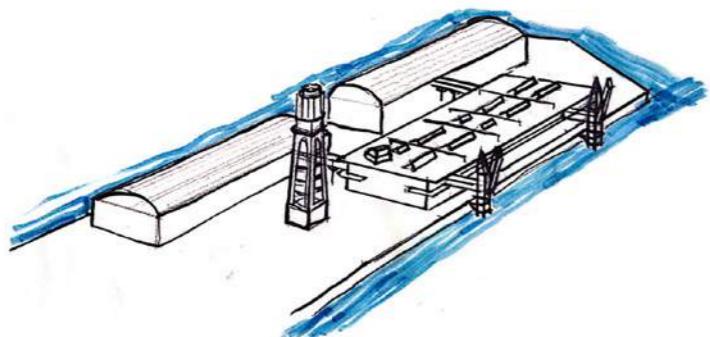
● values

missing parts

○ starting points

○ design

5



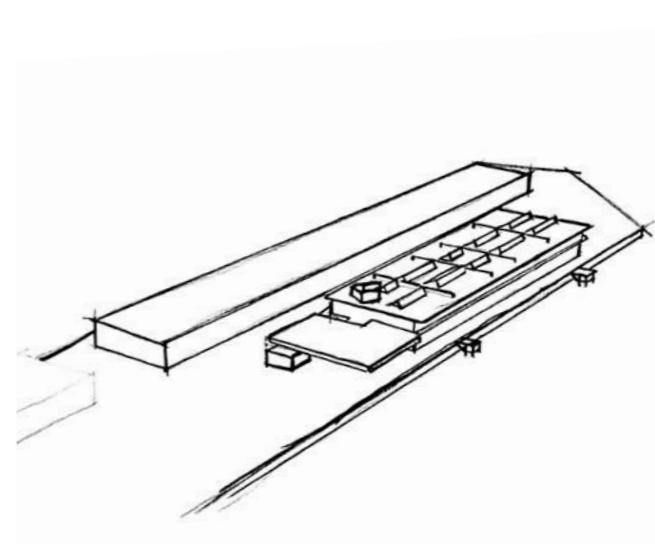
PAST (1920)



Views from 1920 | Historisch Centrum Overijssel



TODAY (2016)

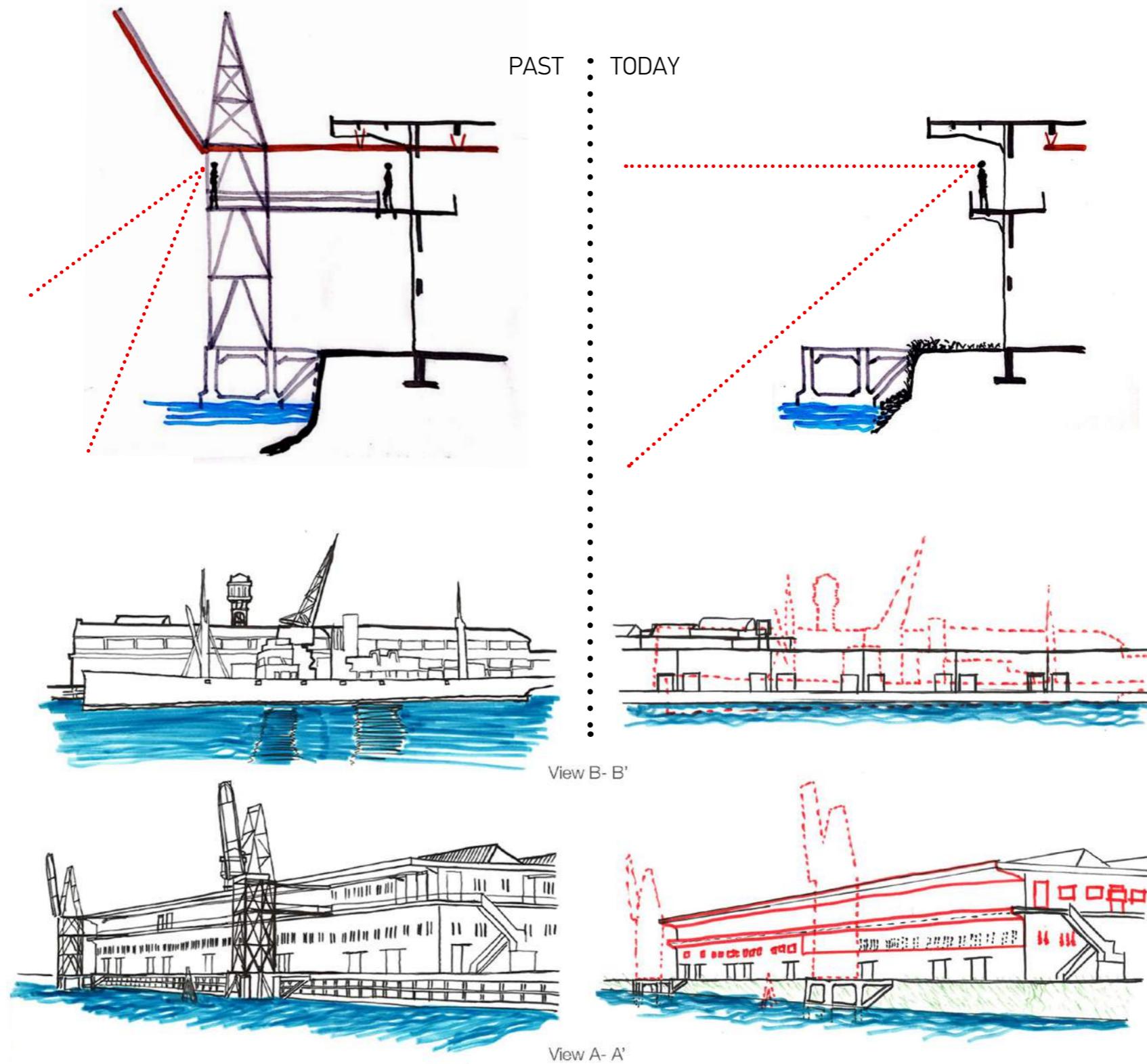


● vaLues

waterfront

○ starting points

○ design



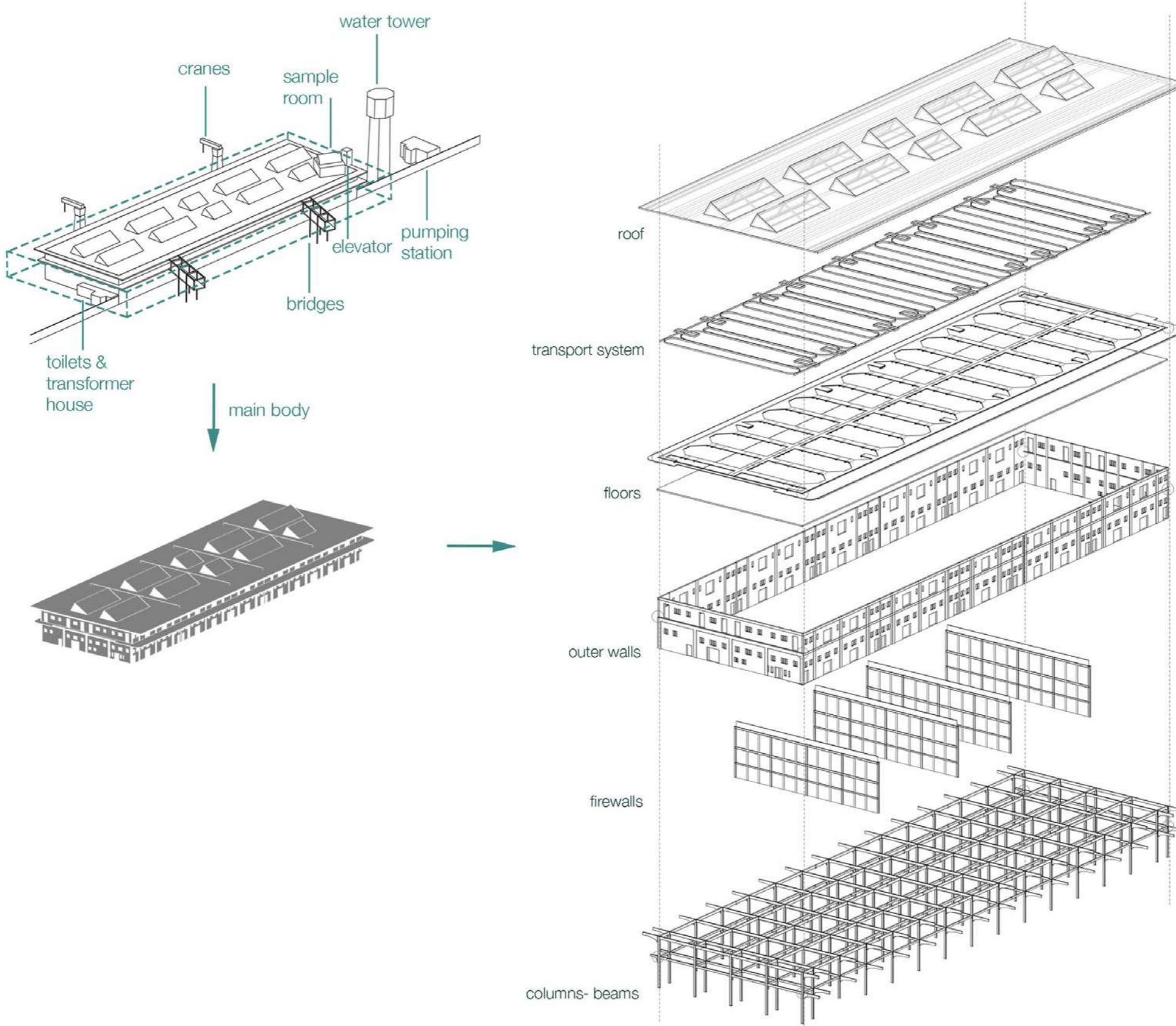
● values

structural division

○ starting points

○ design

7



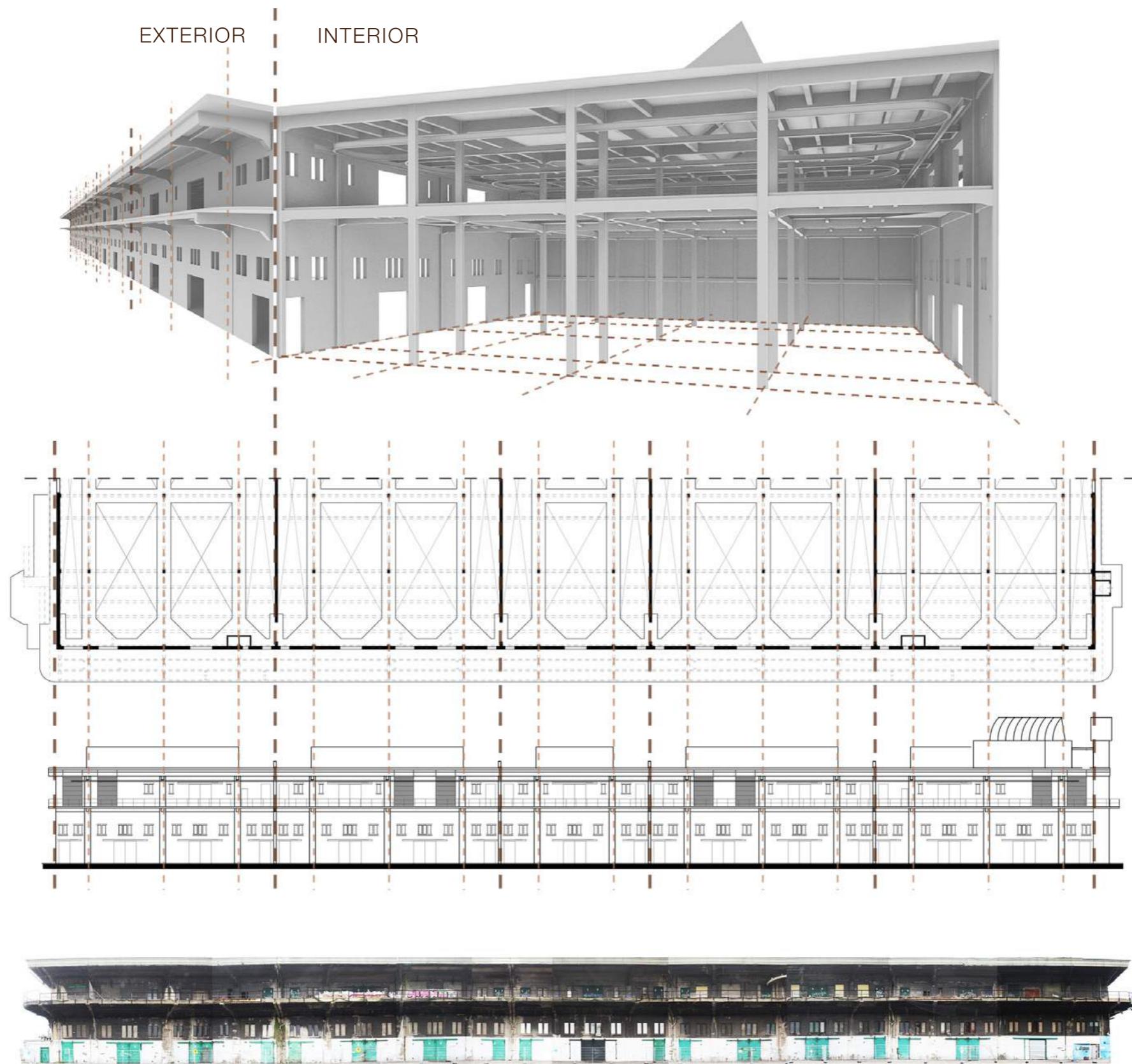
● values

repetition

○ starting points

○ design

8



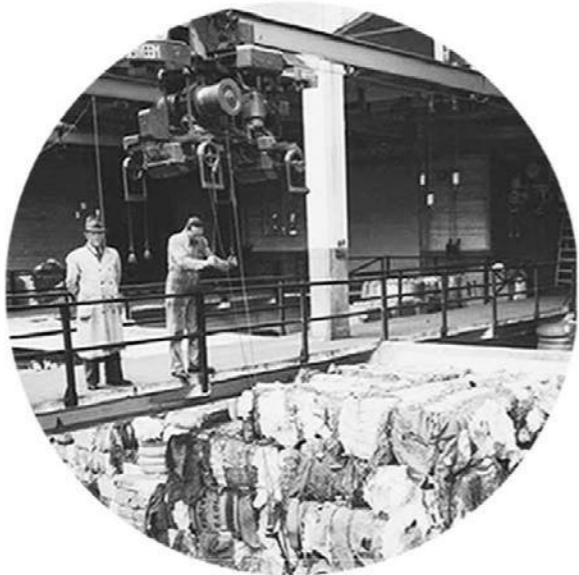
● values

scale

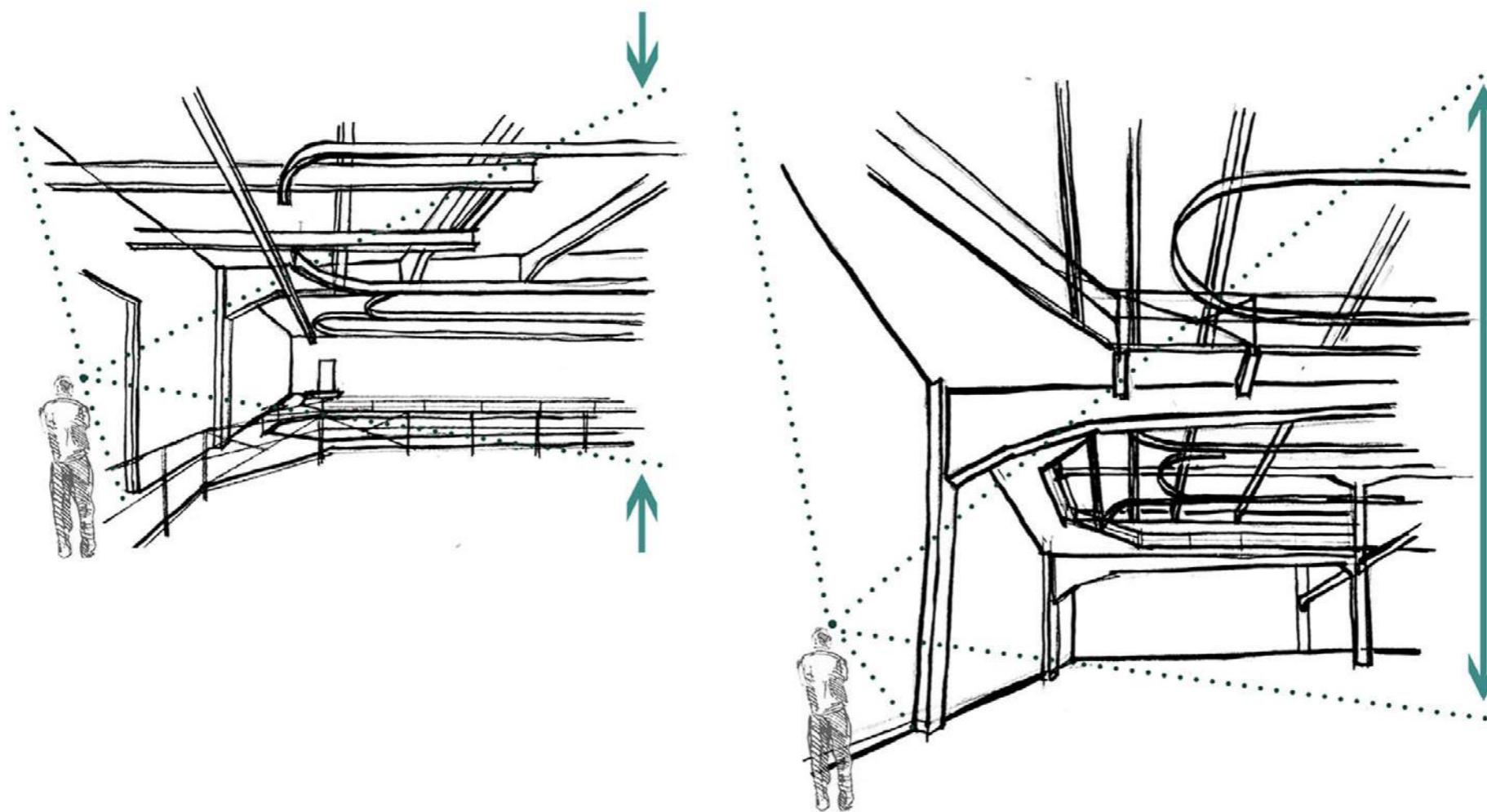
○ starting points

○ design

9



PAST Vs PRESENT



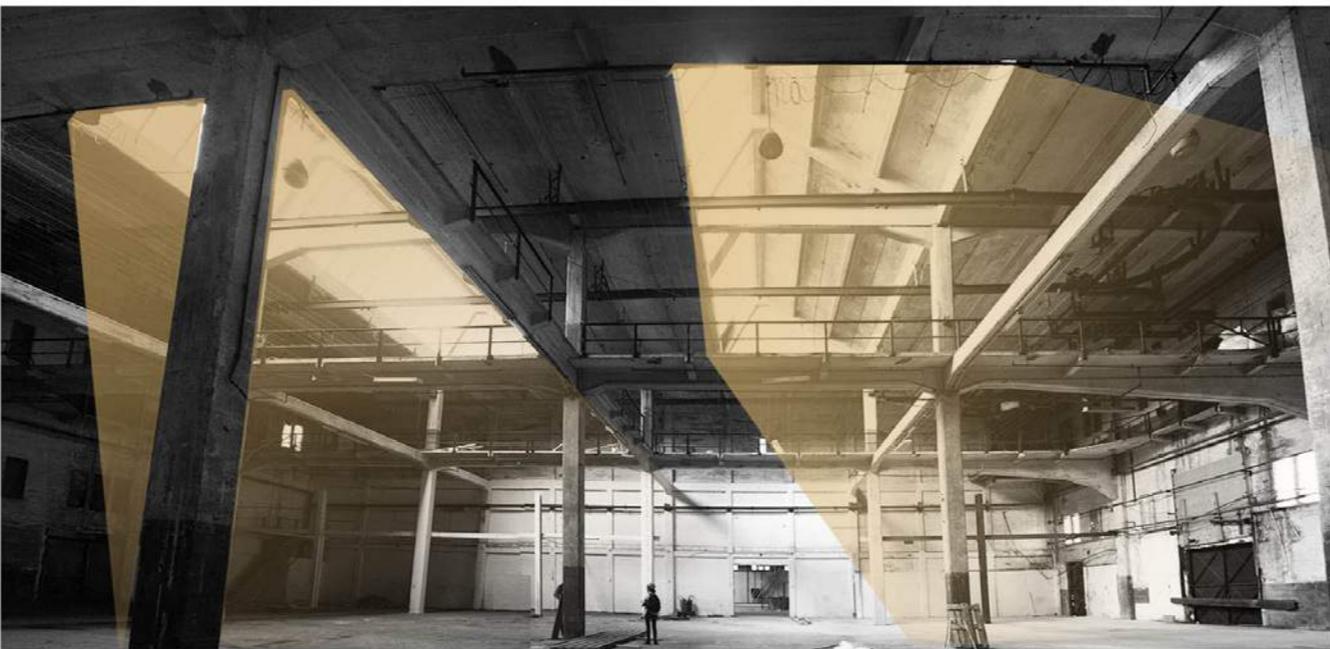
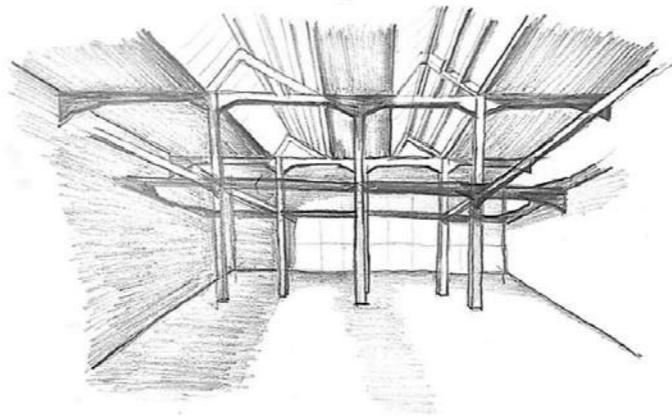
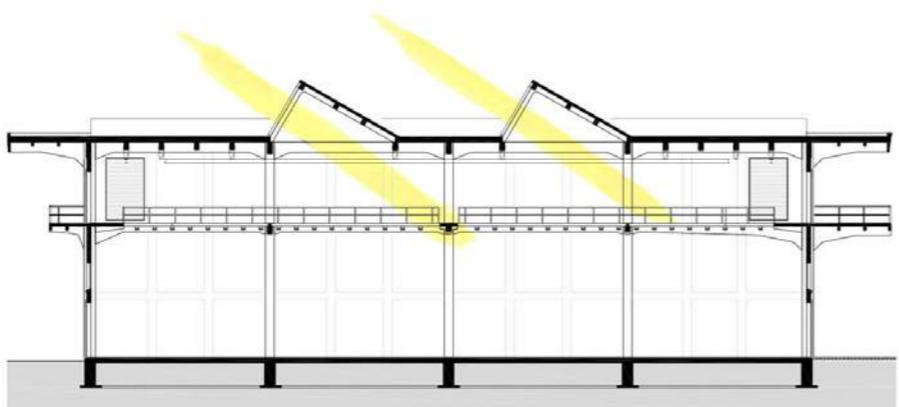
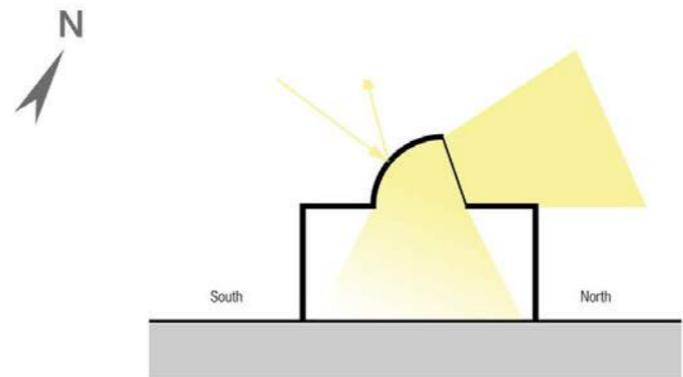
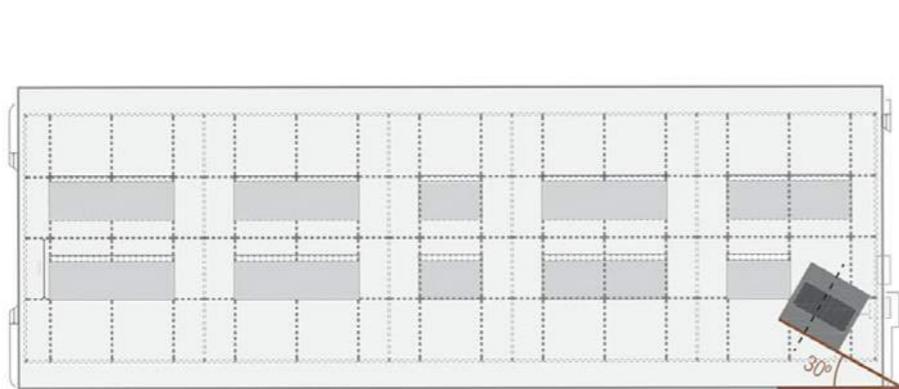
● values

lighting

○ starting points

○ design

10

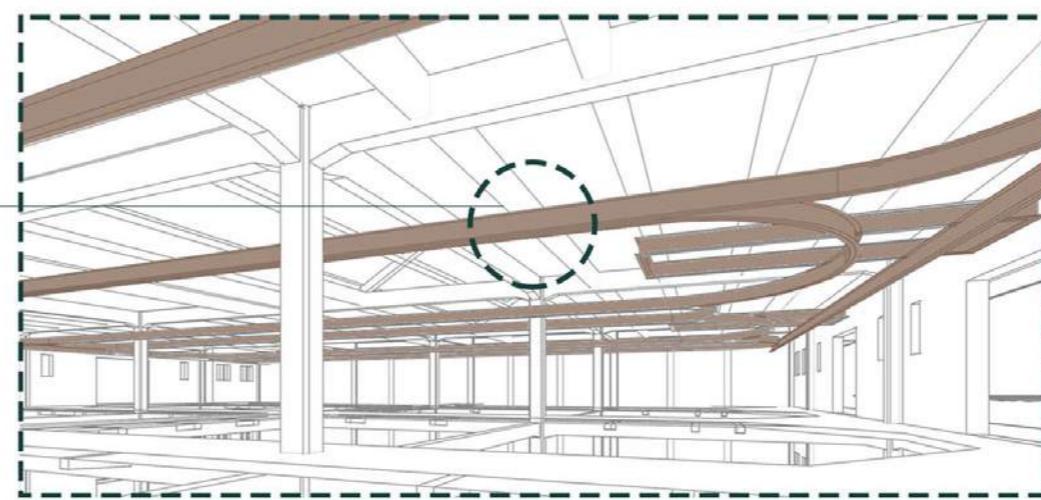
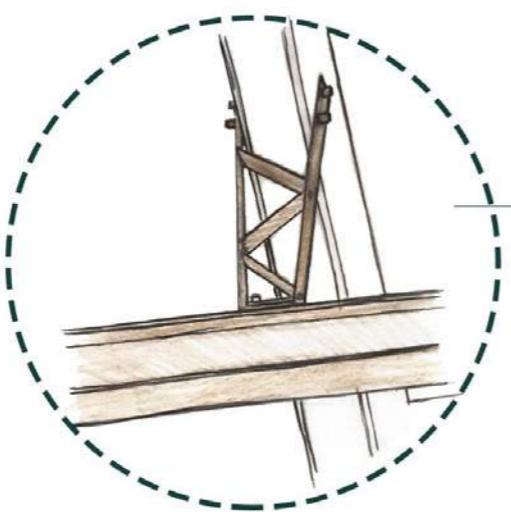
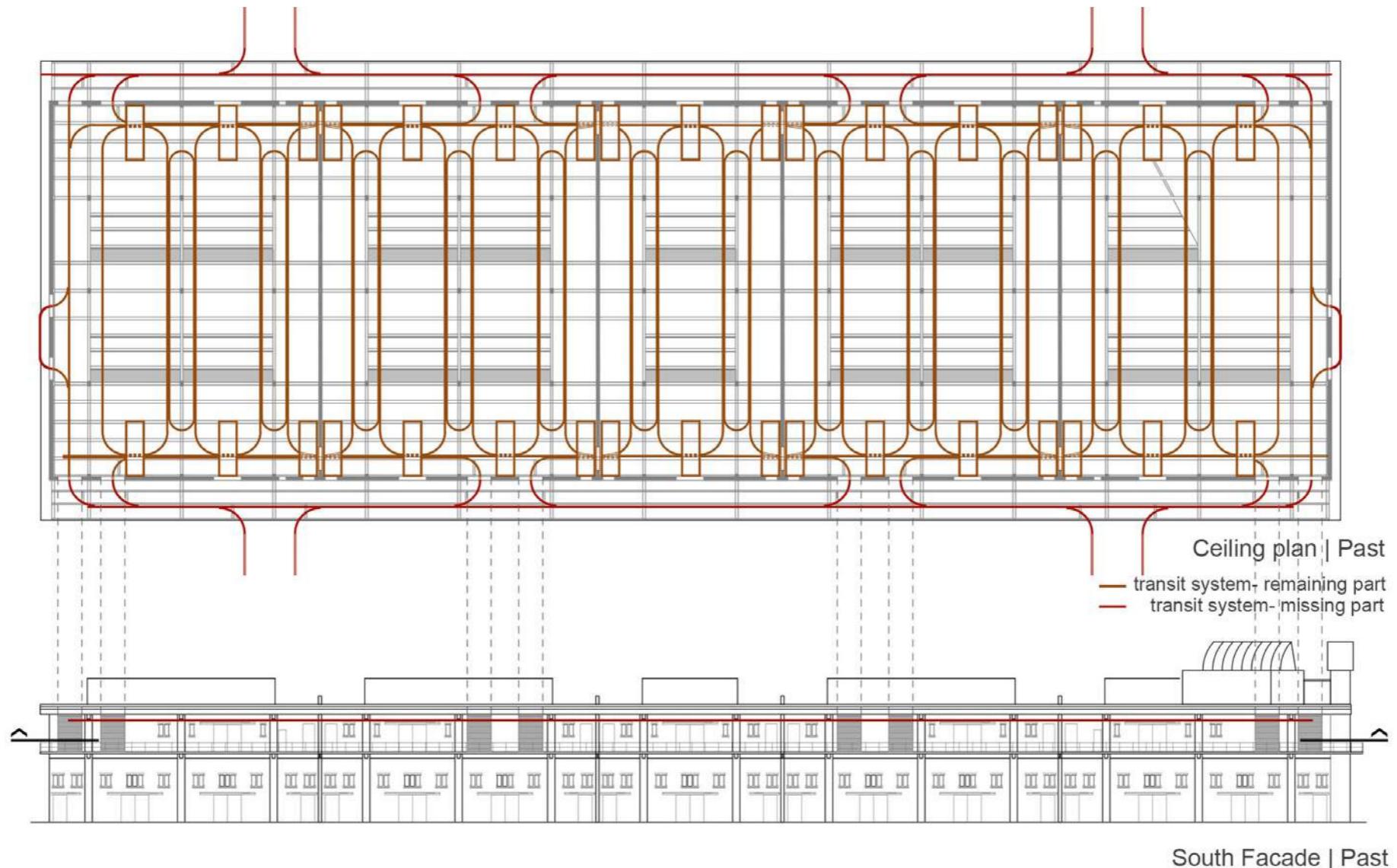


● values

transit system

○ starting points

○ design



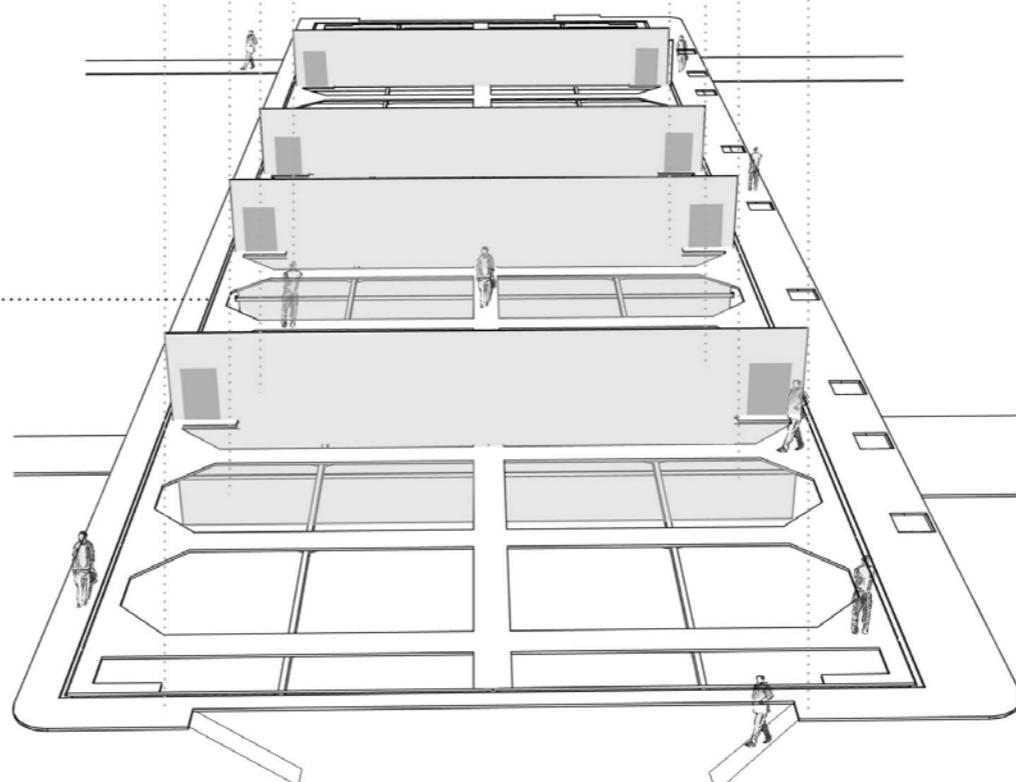
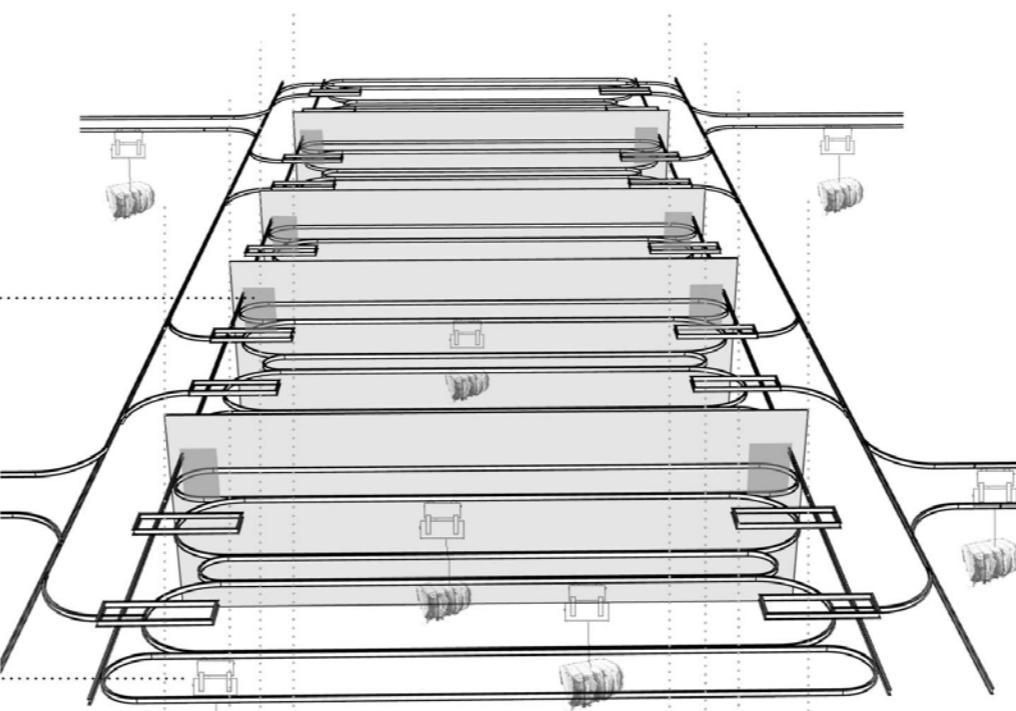
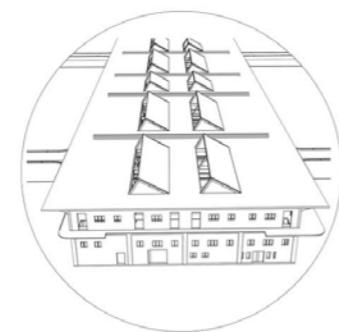
● values

circulation

○ starting points

○ design

12

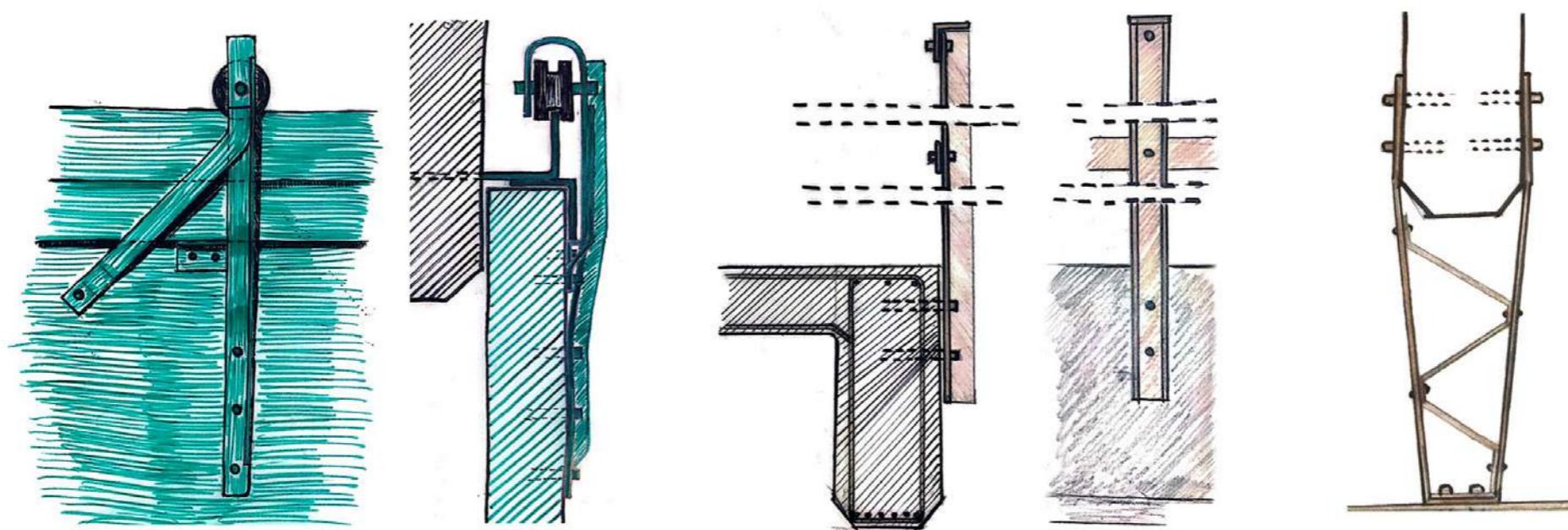
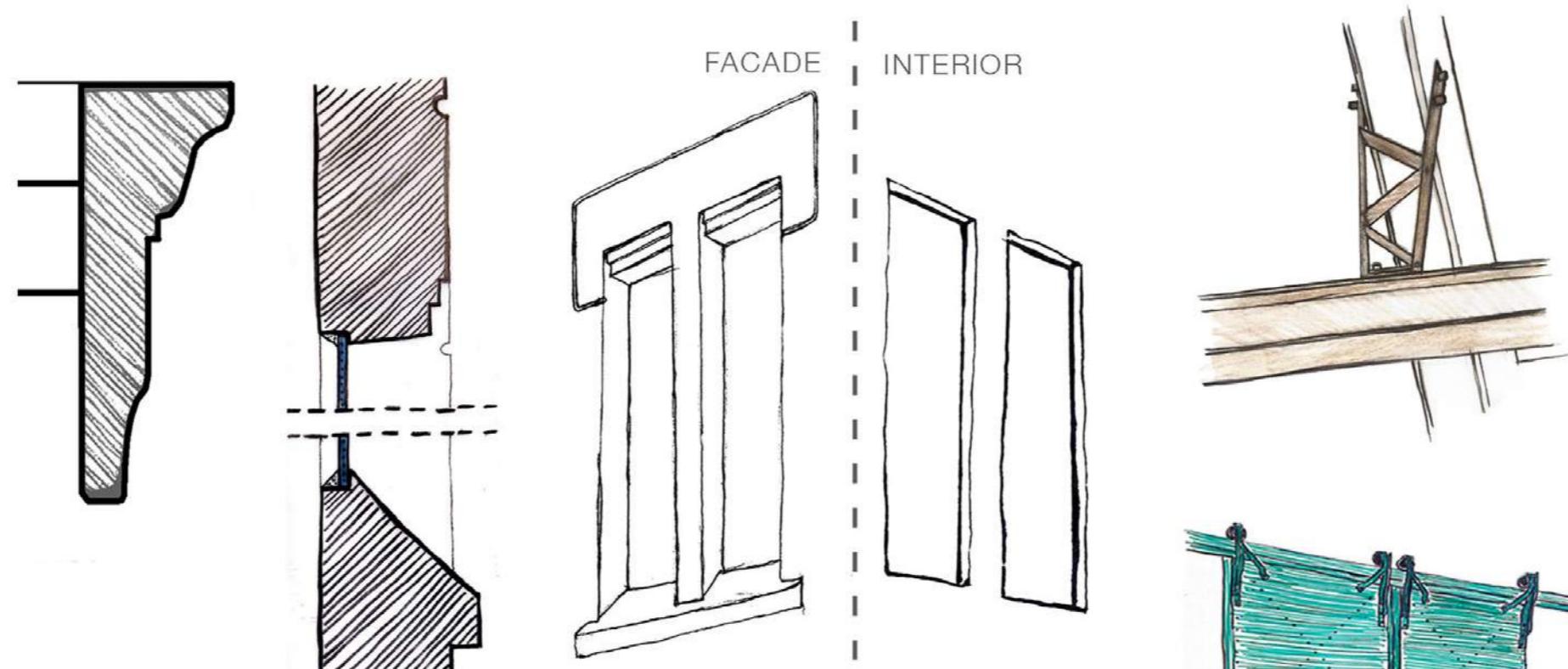


● values

detailing

○ starting points

○ design





STEEL ELEMENTS



WIRE- GLASS



PLASTER

CONCRETE

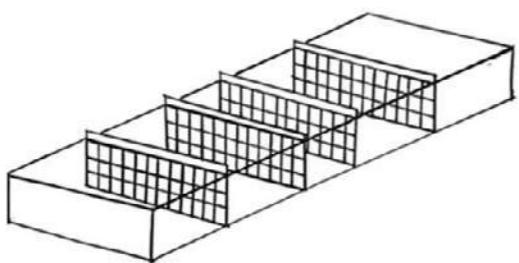
SAND CEMENT

CONCRETE

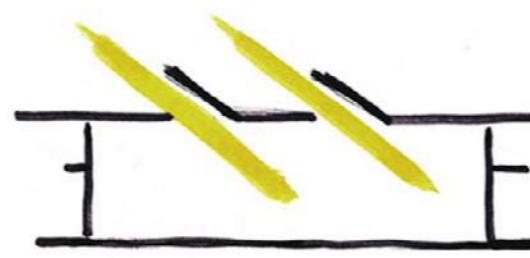
evaluation matrix

	Artistic	Historical	Use	Newness	Conflict	Commemorative	Dilemma
Site							
Skin							
Structure							
Spatial plan							
Services							
Stuff							
Story							

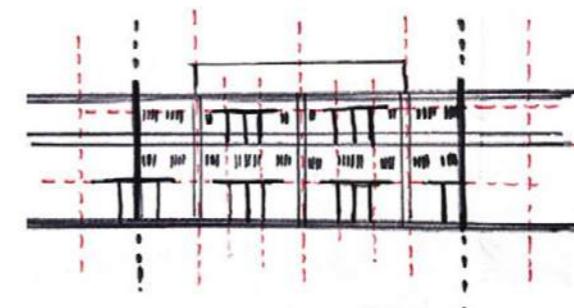
analysis' conclusions



strict division



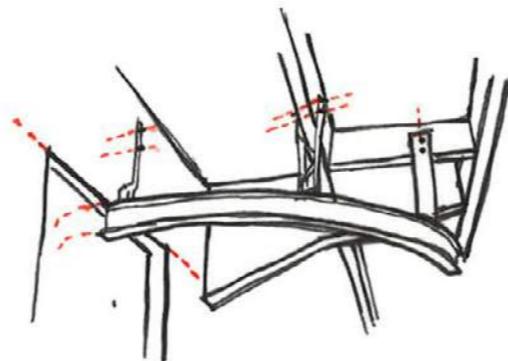
skylight



rhythm



functionality



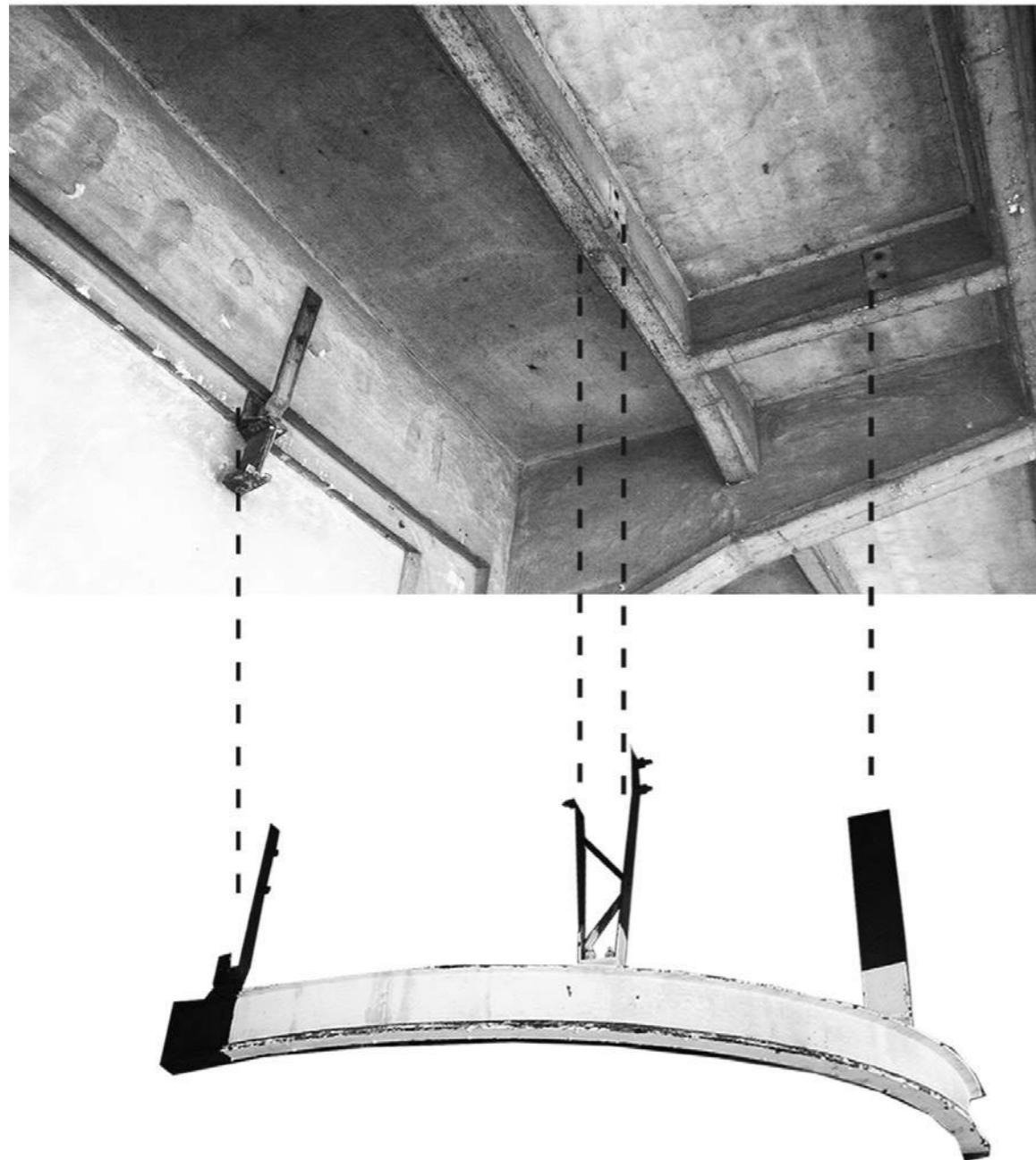
«tailor-made»



landmark

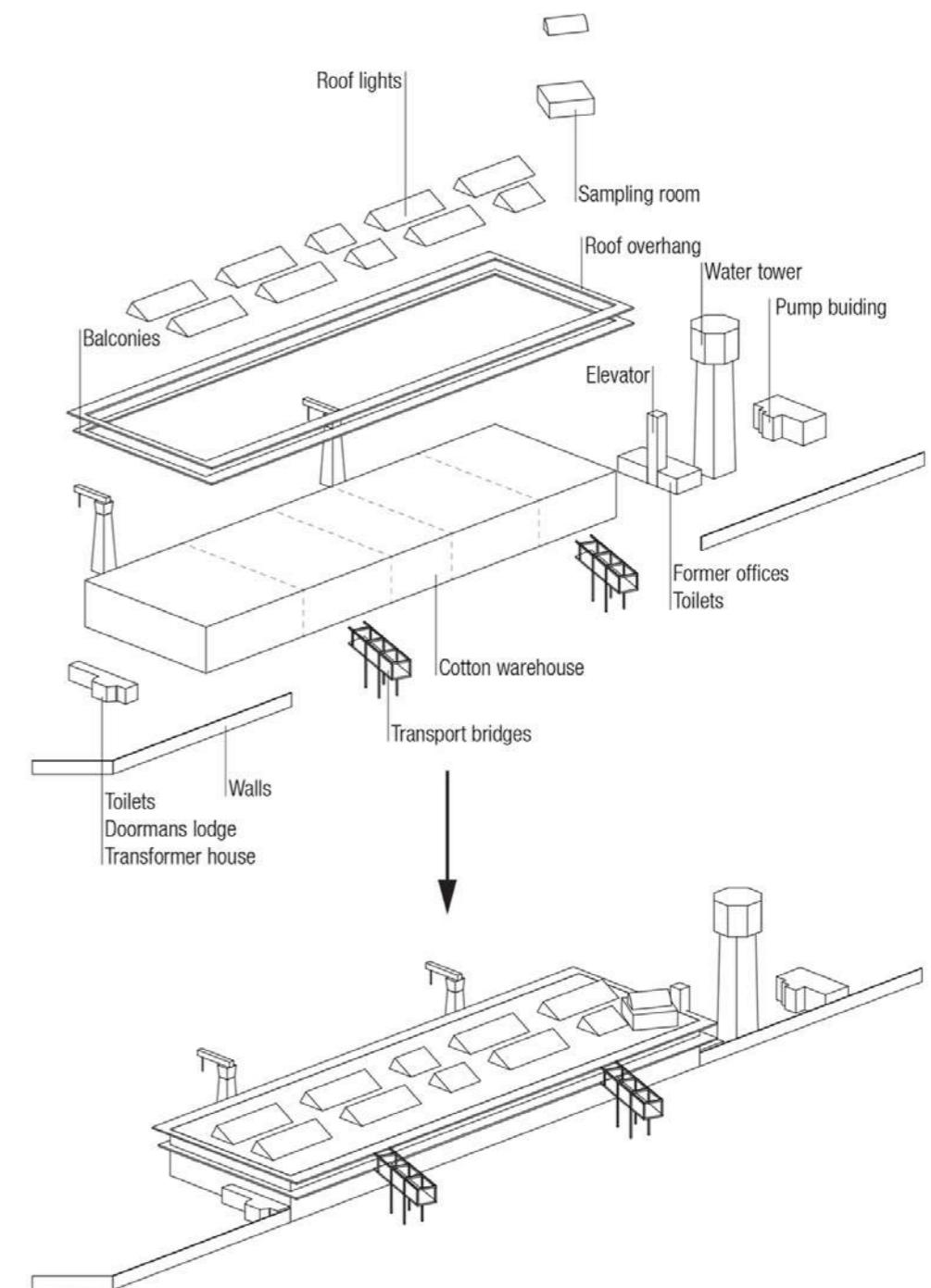
research question

How to transform a tailor-made cotton warehouse into a new building?

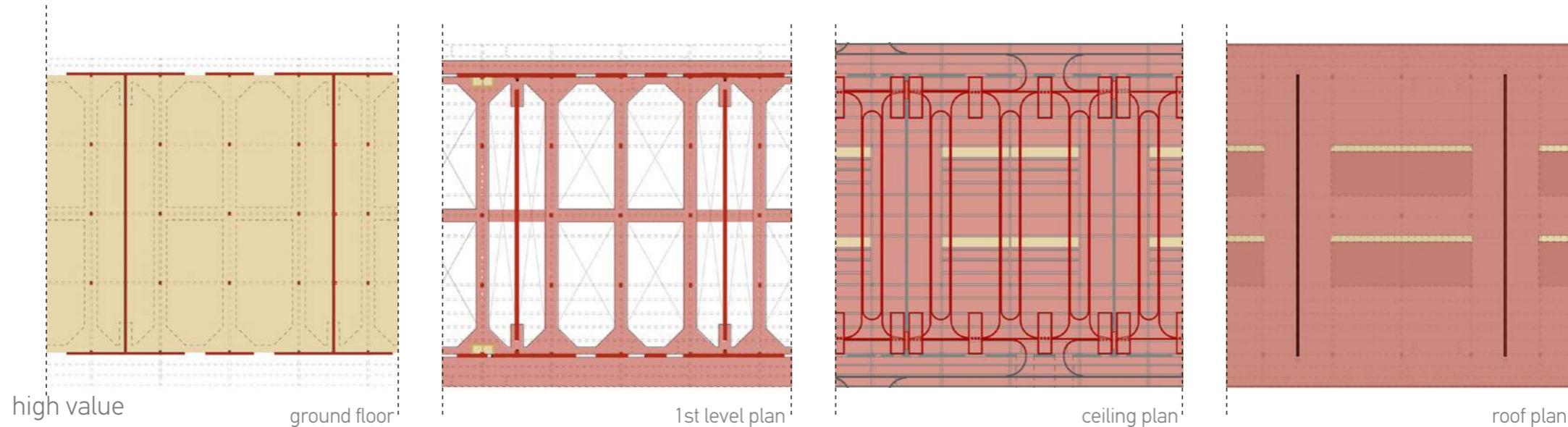


● starting points

research question



transformation framework



high value

ground floor

1st level plan

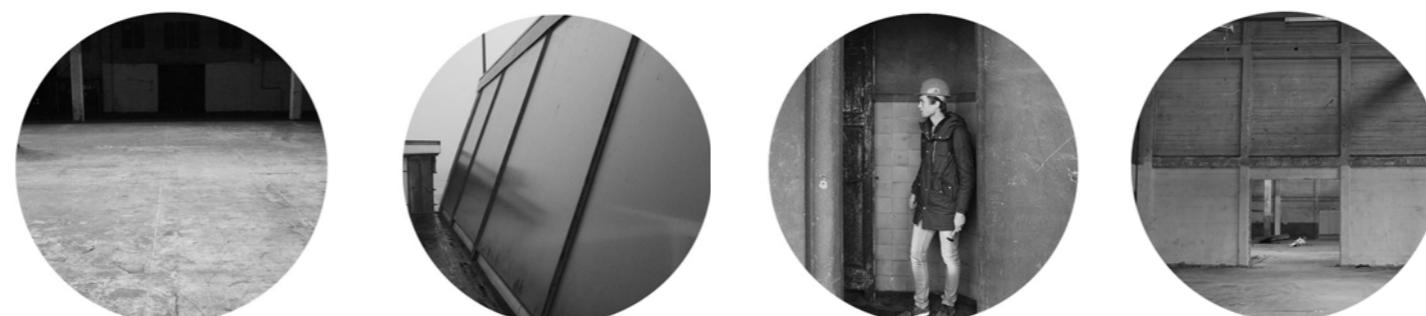
ceiling plan

roof plan

walls
columns
beams
walkways
roof
transit system



floor
wireglass windows
toilets
white plaster



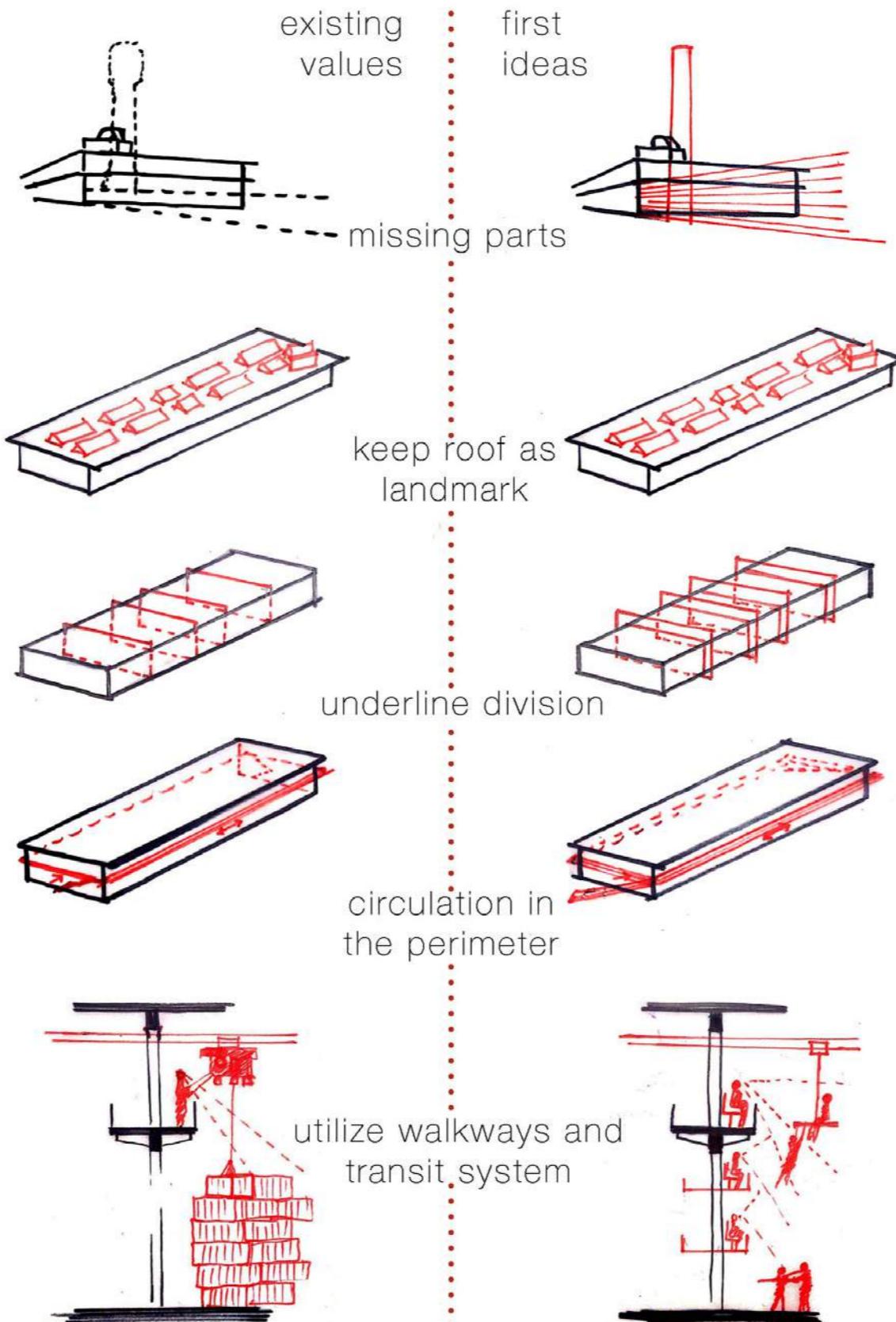
openings in walls
recent windowframes
filling materials
white steel cladding



limited value

● starting points

desing guidelines



capacity of existing

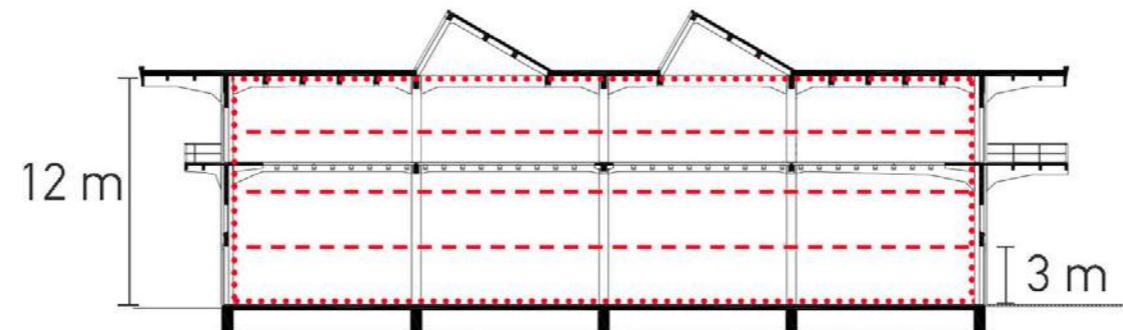
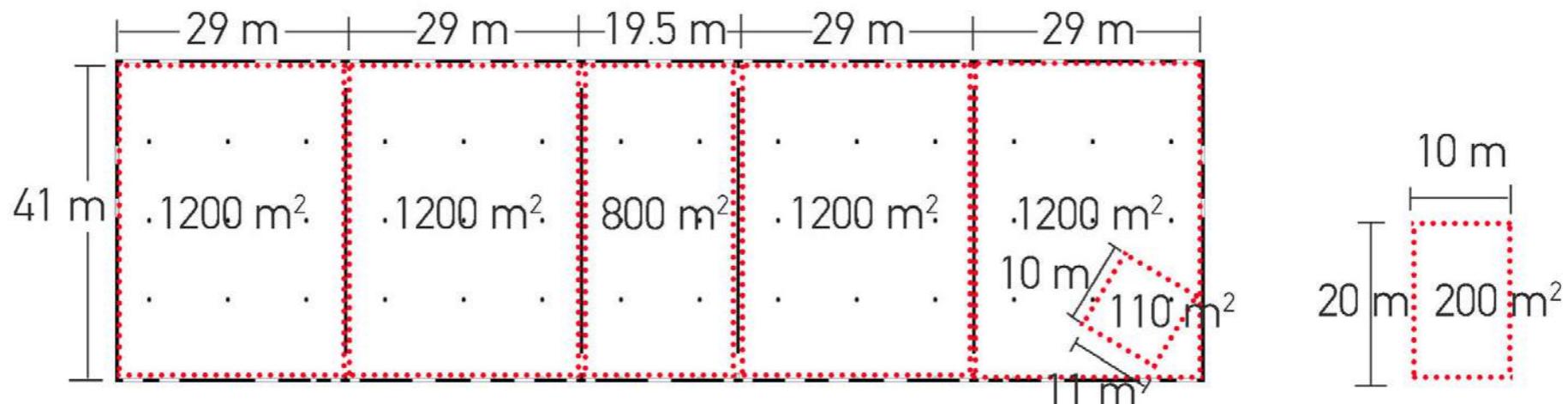
Overall capacity of existing:

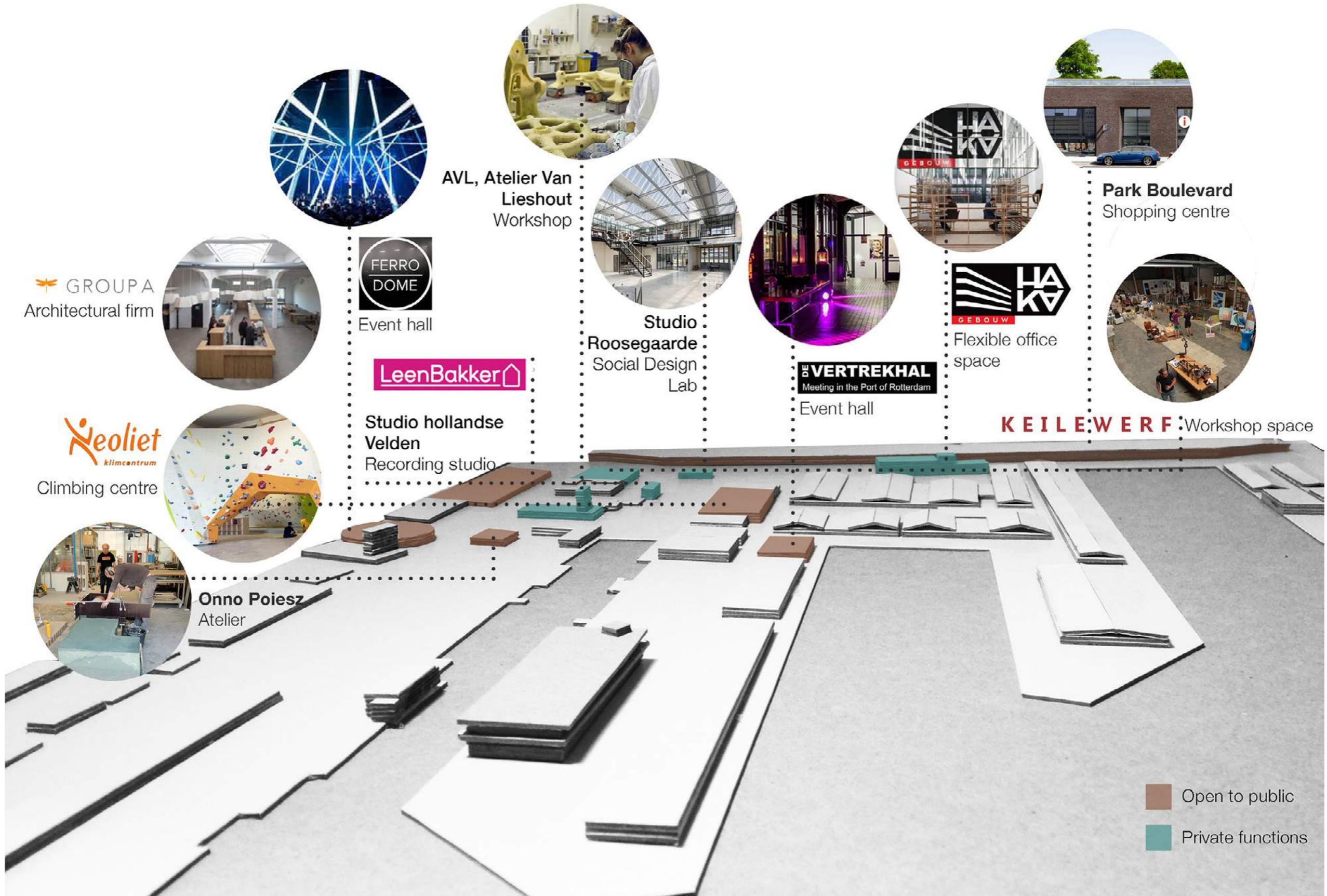
$$5600 + 110 + 200 = 5910 \text{ m}^2$$

Maximum possible capacity in case of 4 floors:

$$4 \times 5600 = 22400 \text{ m}^2$$

$$22400 + 110 + 200 = 22710 \text{ m}^2$$





programme's choice



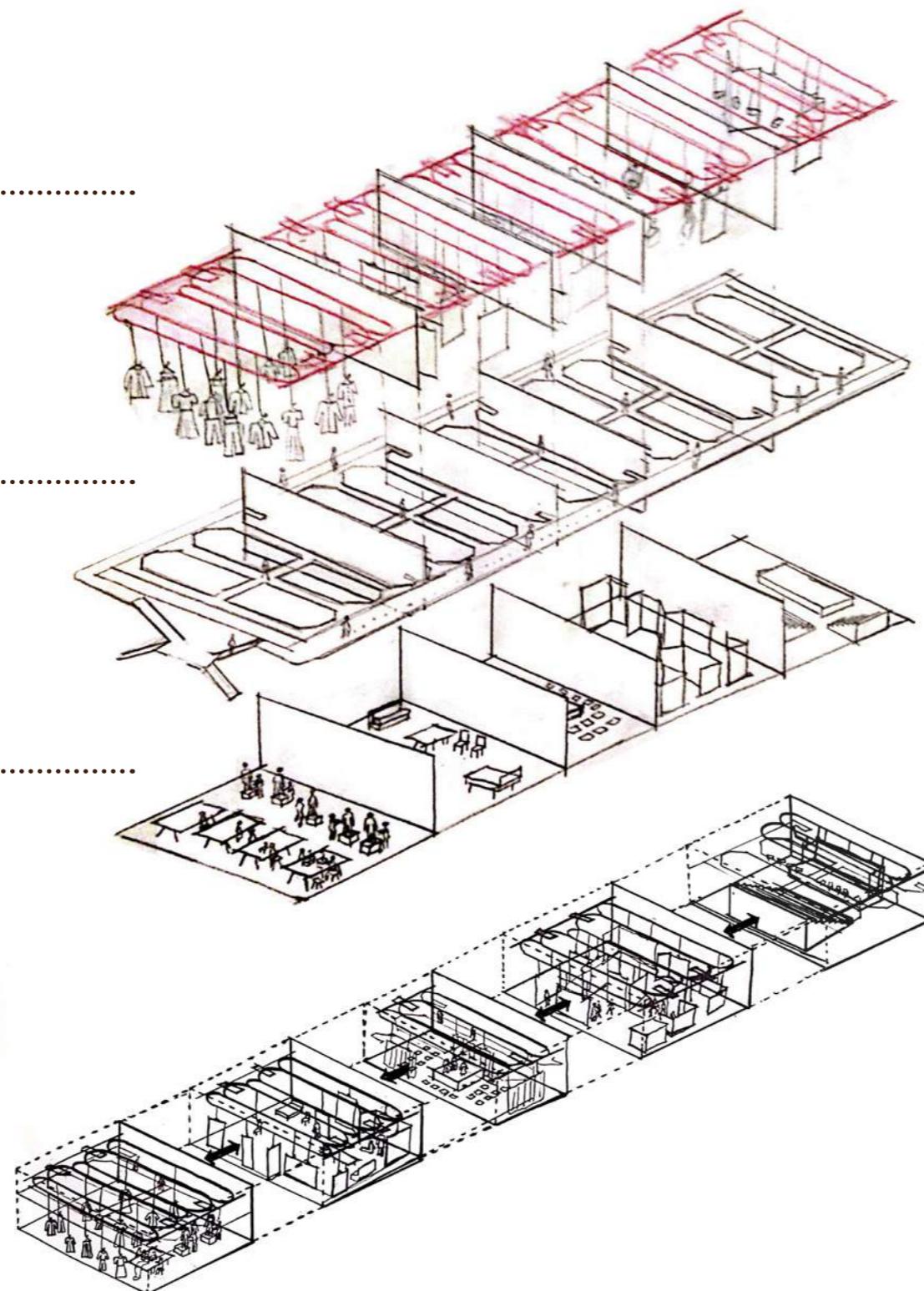
P^{erforming}
A^{rts}
c^{entre}

.....
ceiLing
reuse of
transit system

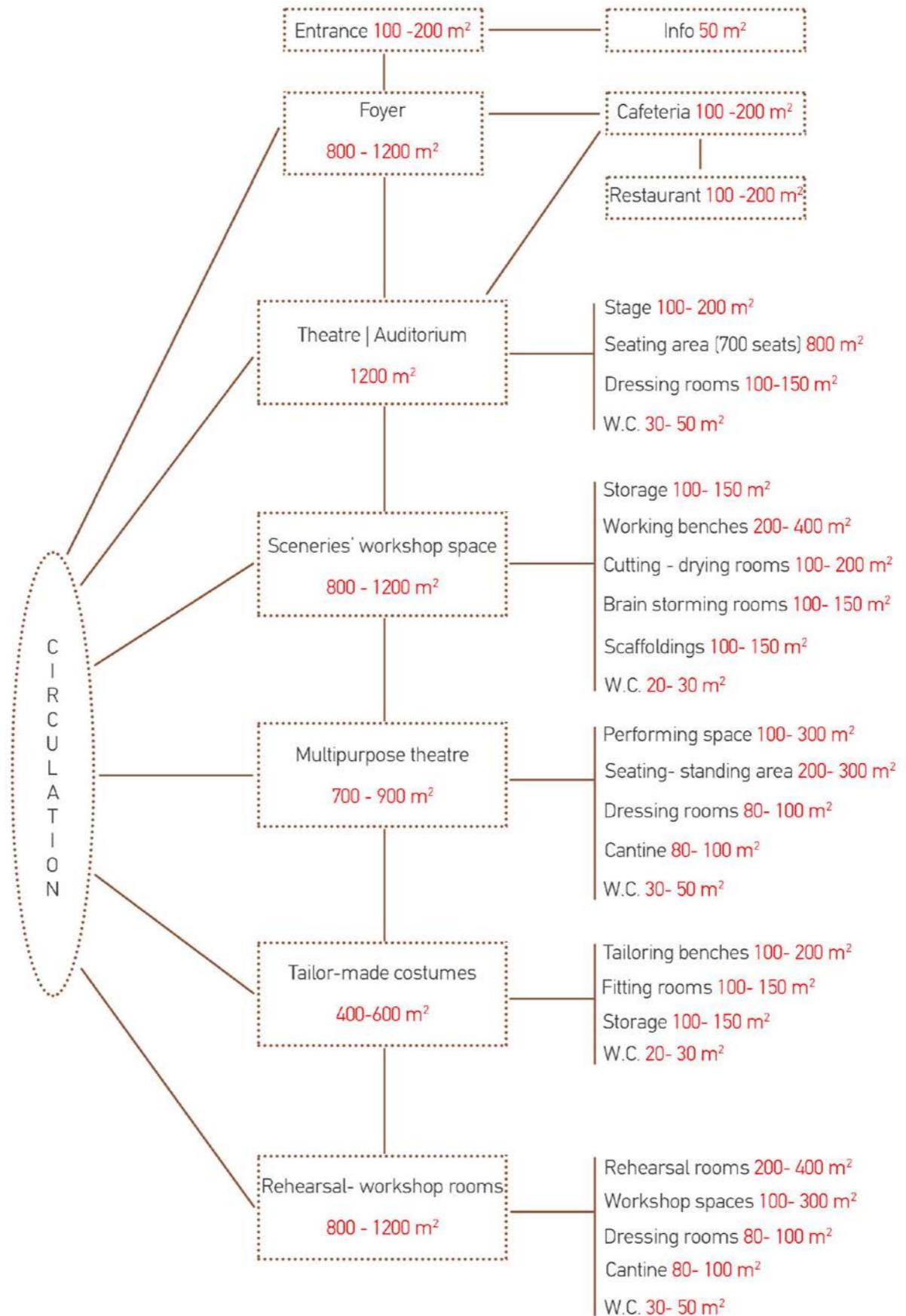
.....
LeveL + 7.50 m
circulation of
visitors

.....
GROUND LeveL
performers' space
events

organization of space



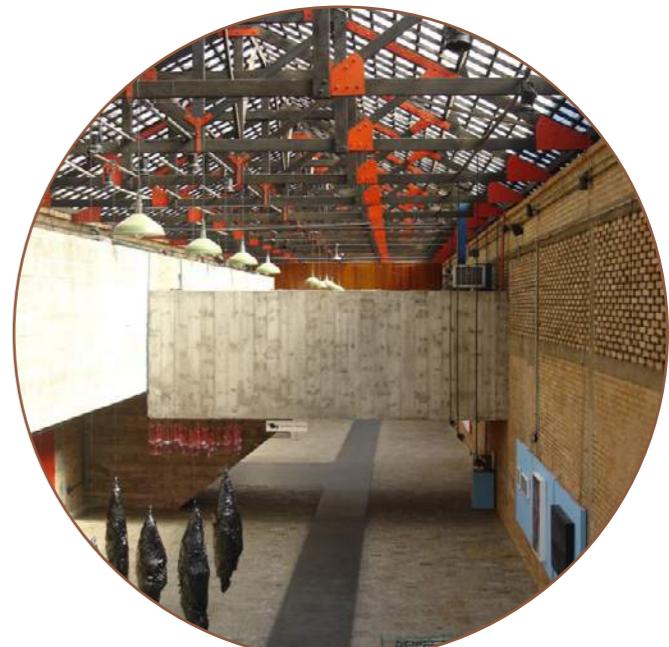
P
erforming
A
rts
c
entre



○ values

○ starting points

● design references



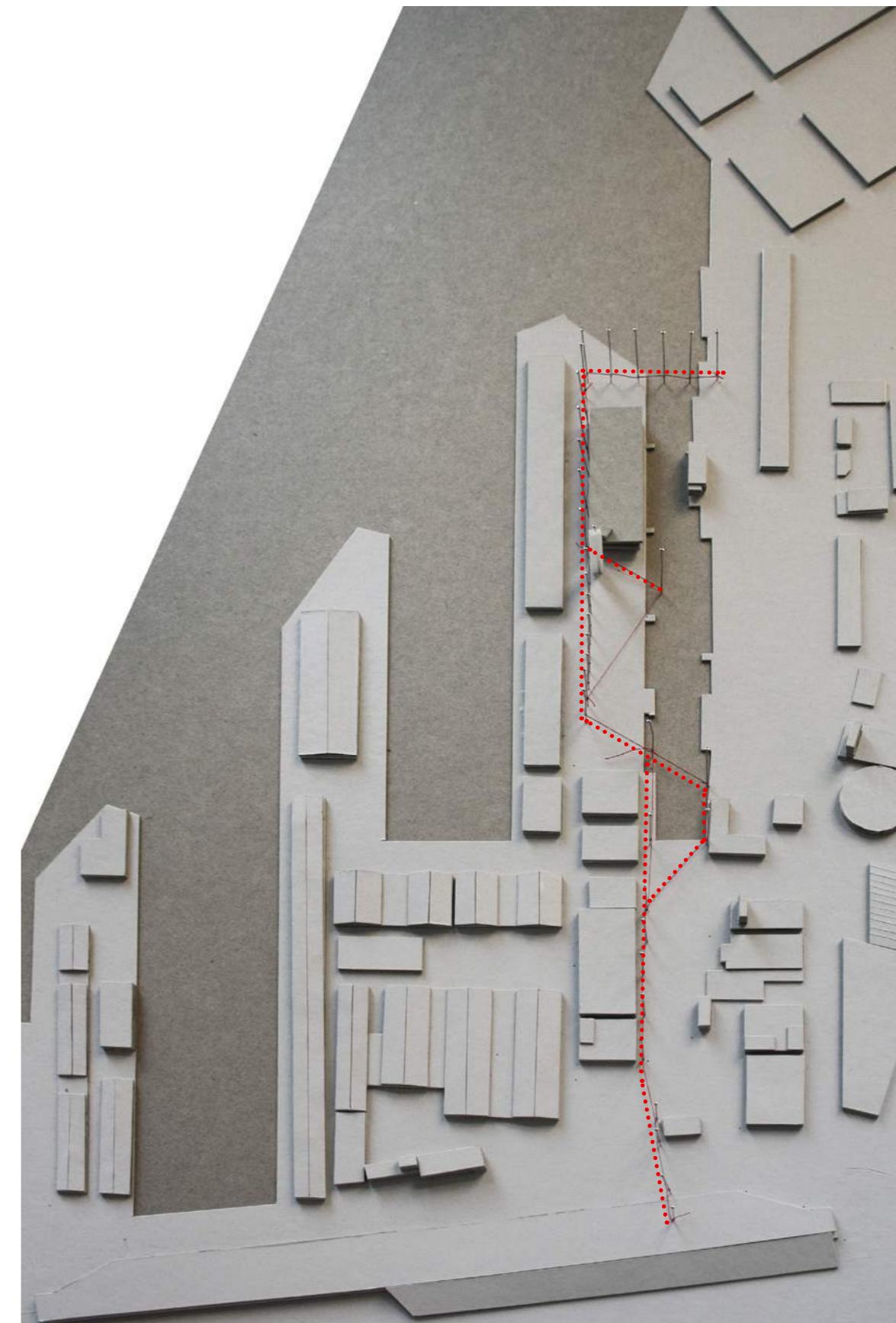
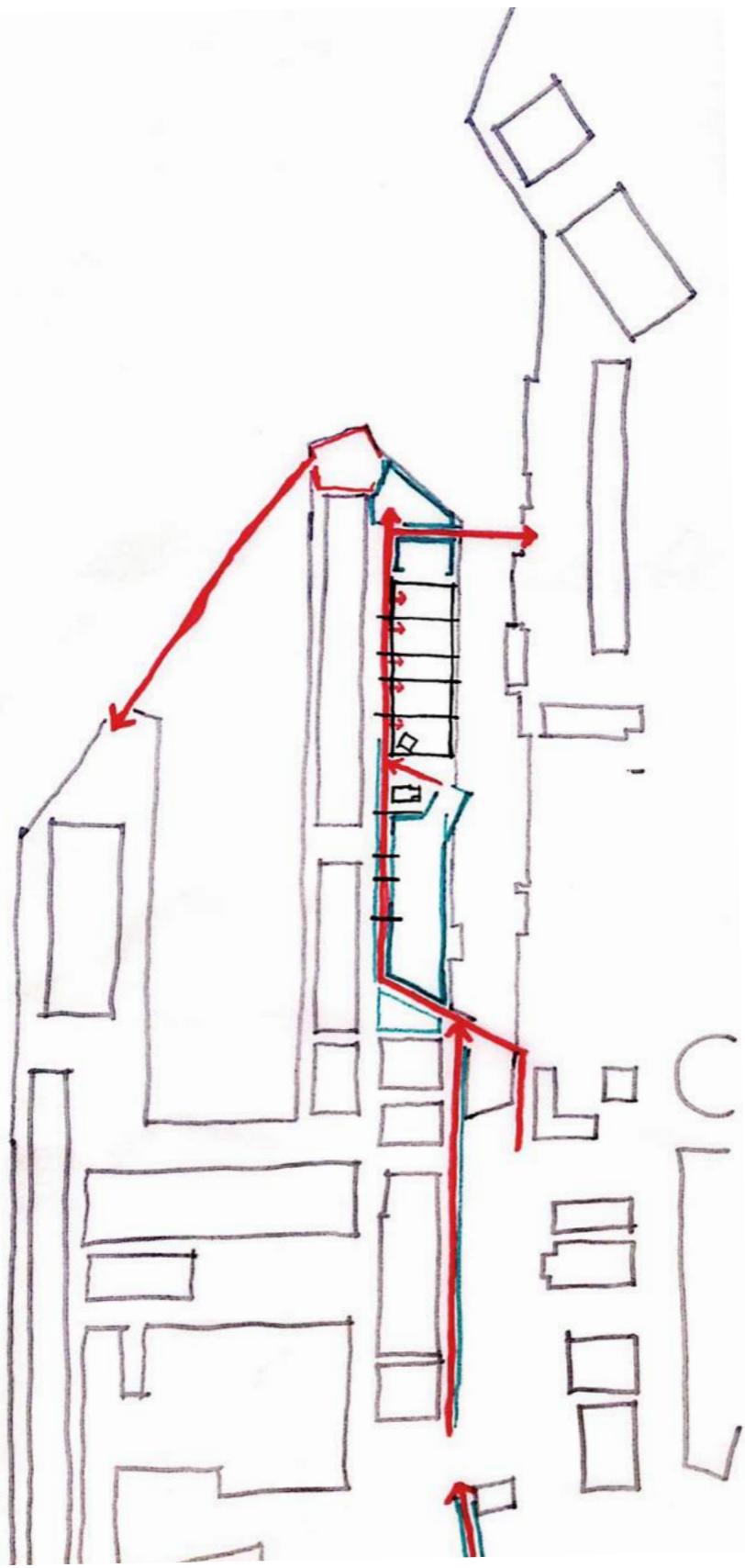
○ values

○ starting points

● design

context- routing

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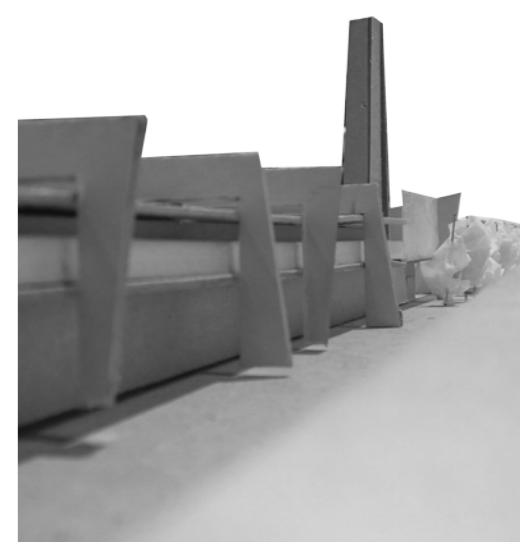
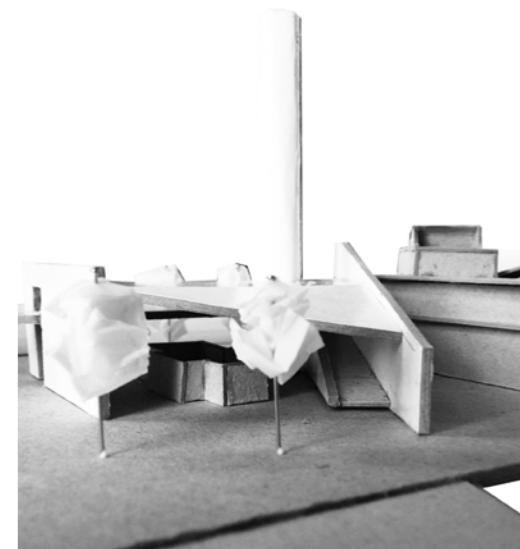
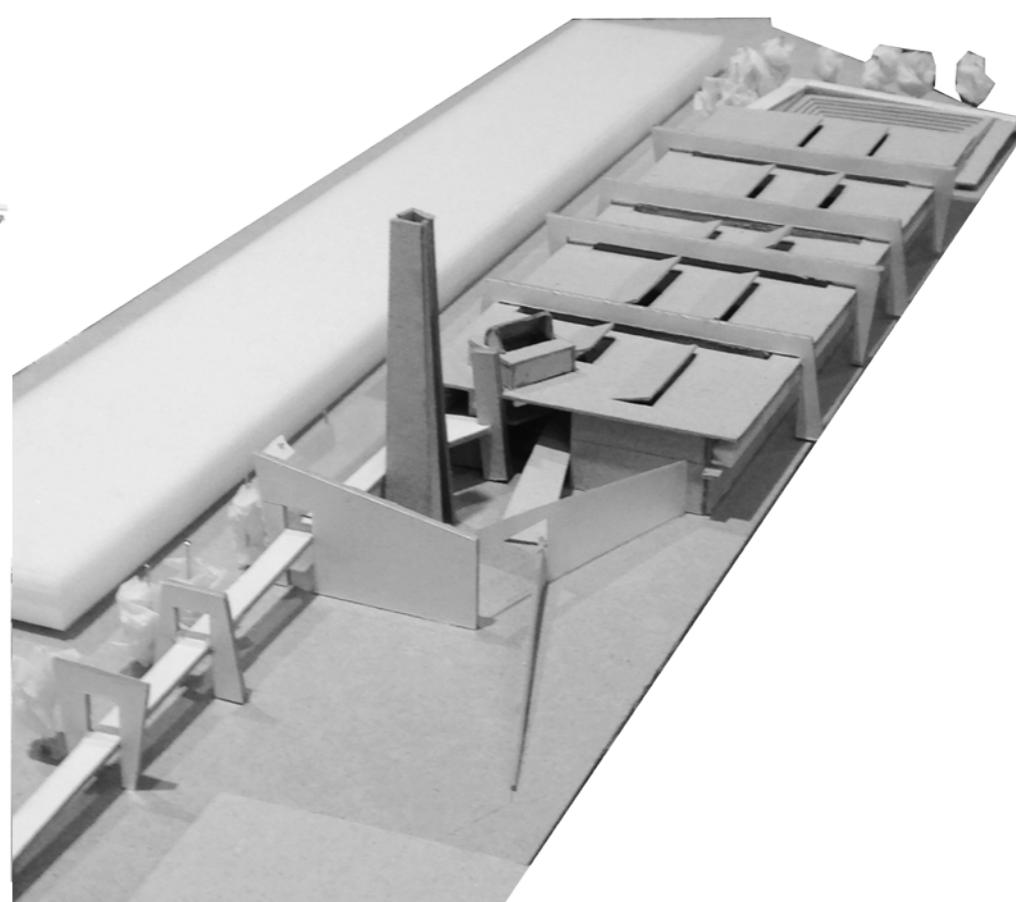
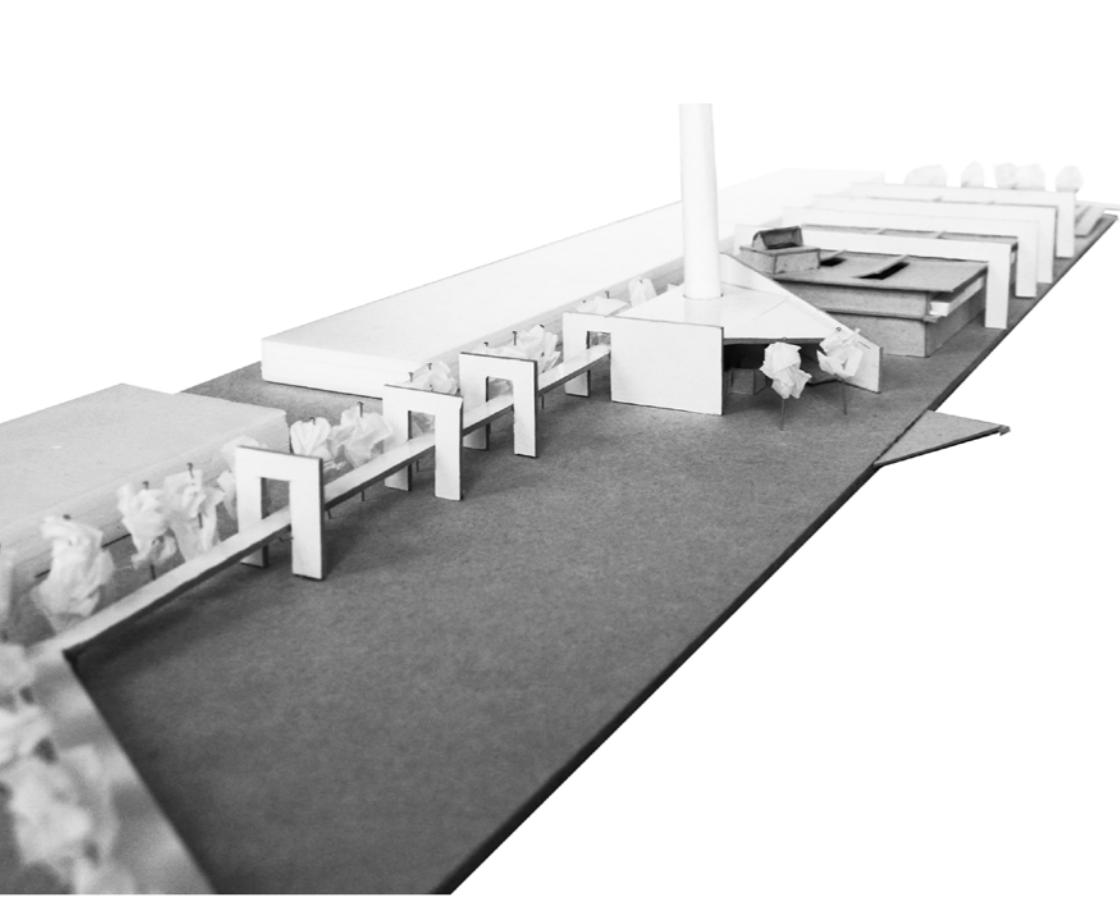
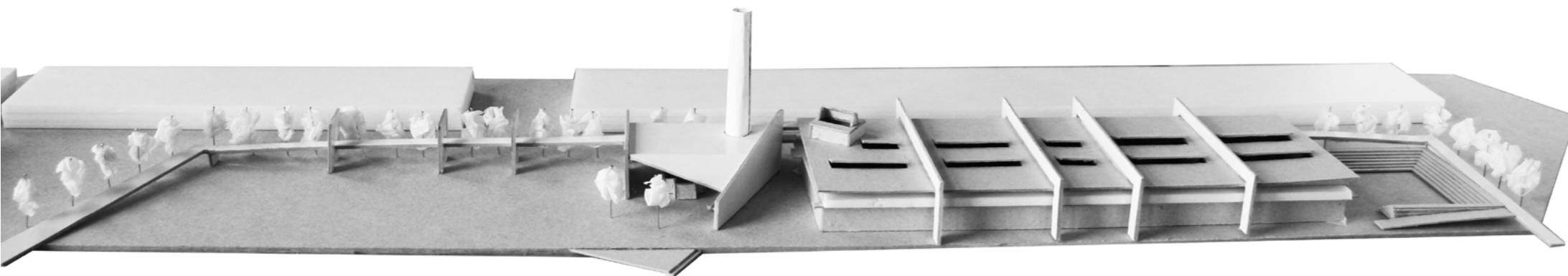
○ values

○ starting points

● design

physical models 1:500

27

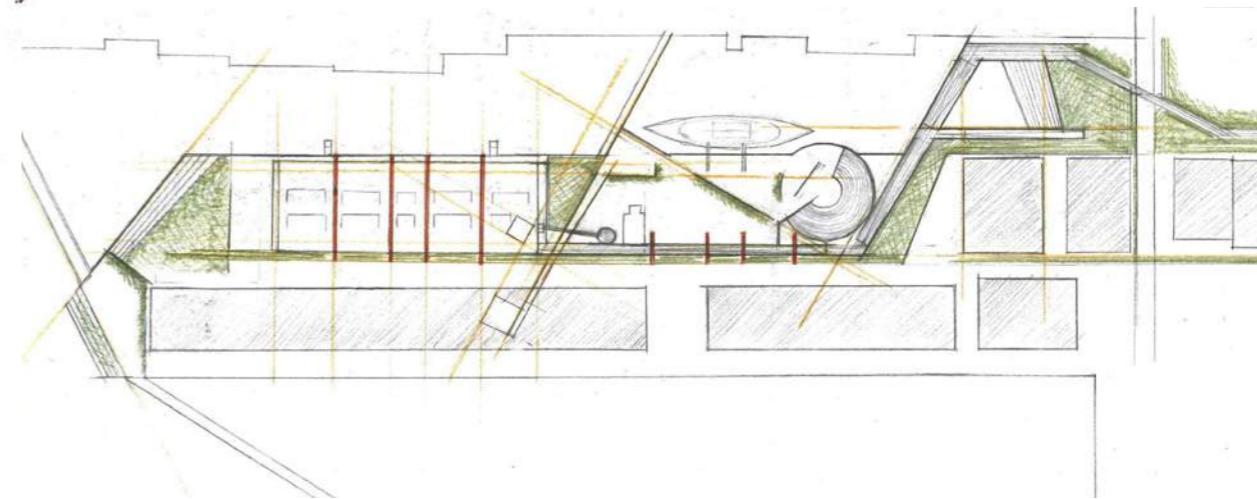
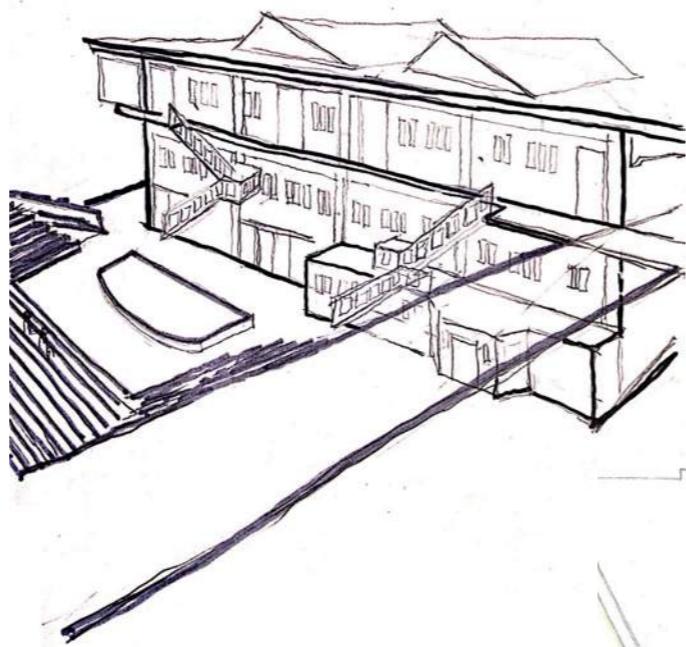
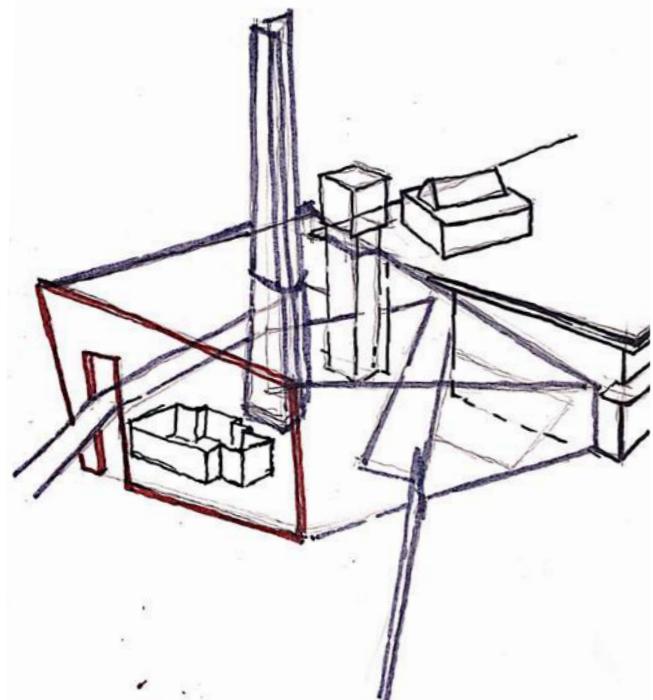
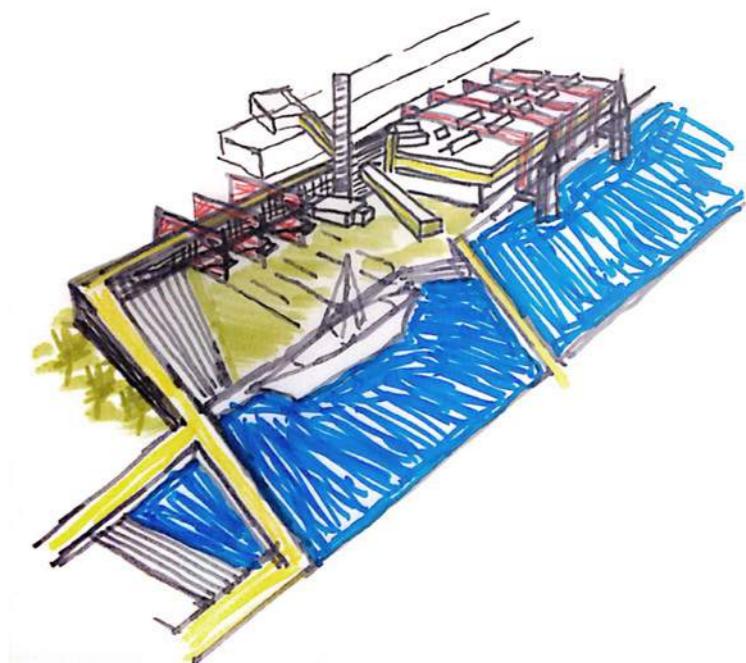
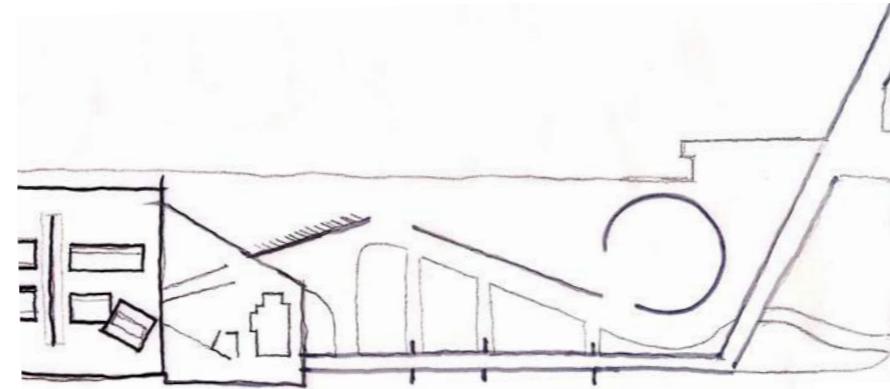
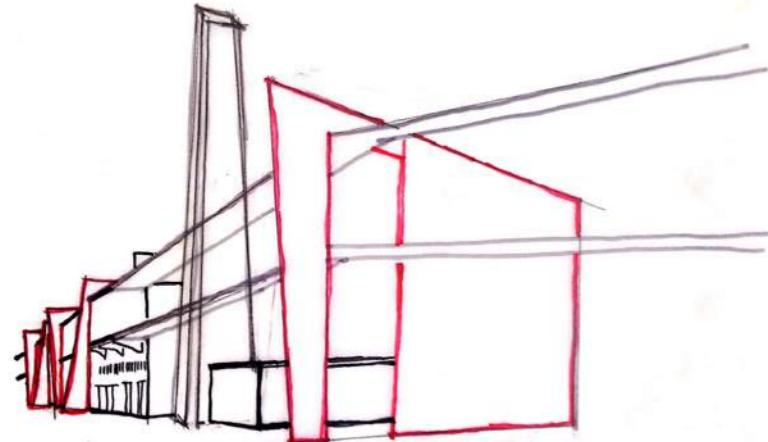


○ values

○ starting points

● design

masterplan sketches

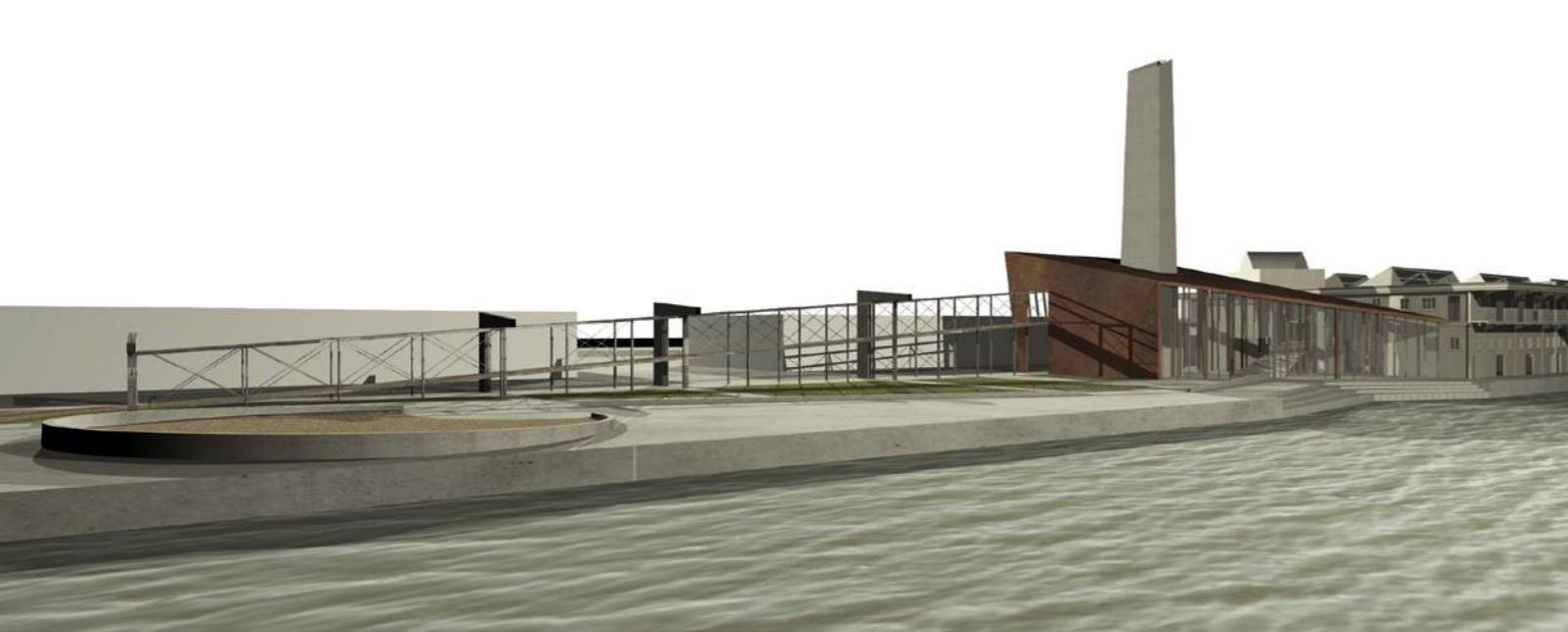
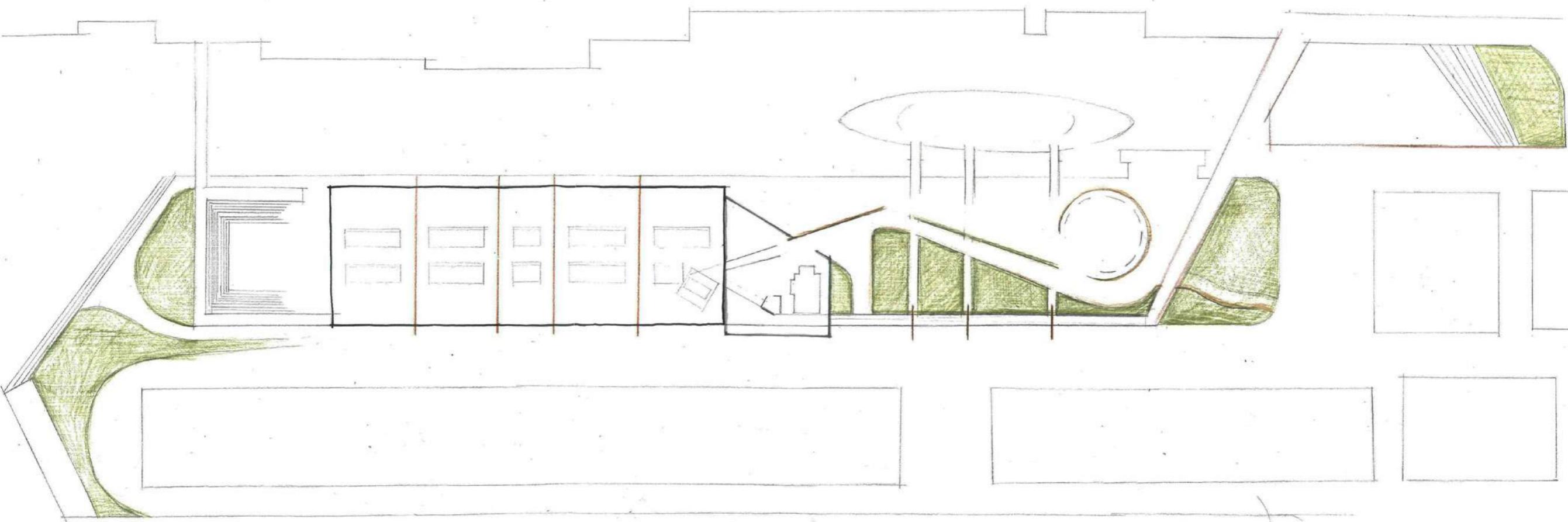


○ values

○ starting points

● design
masterplan

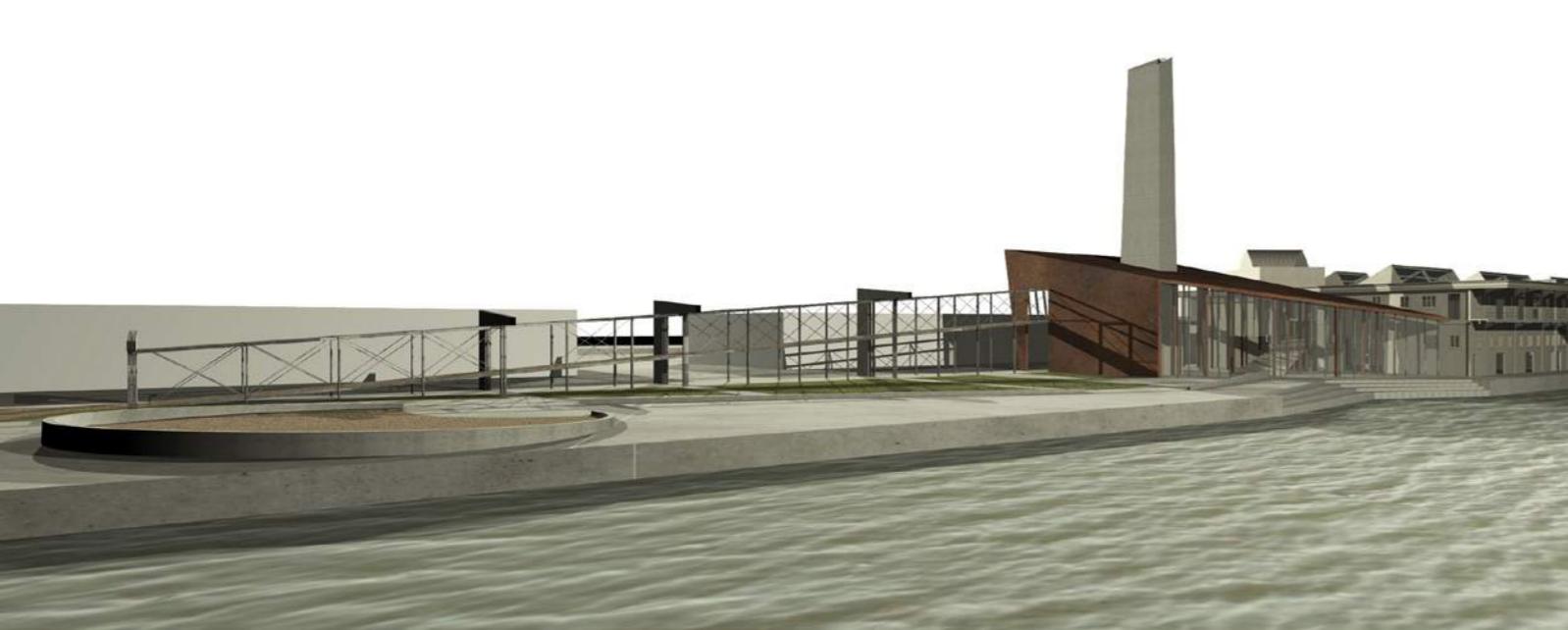
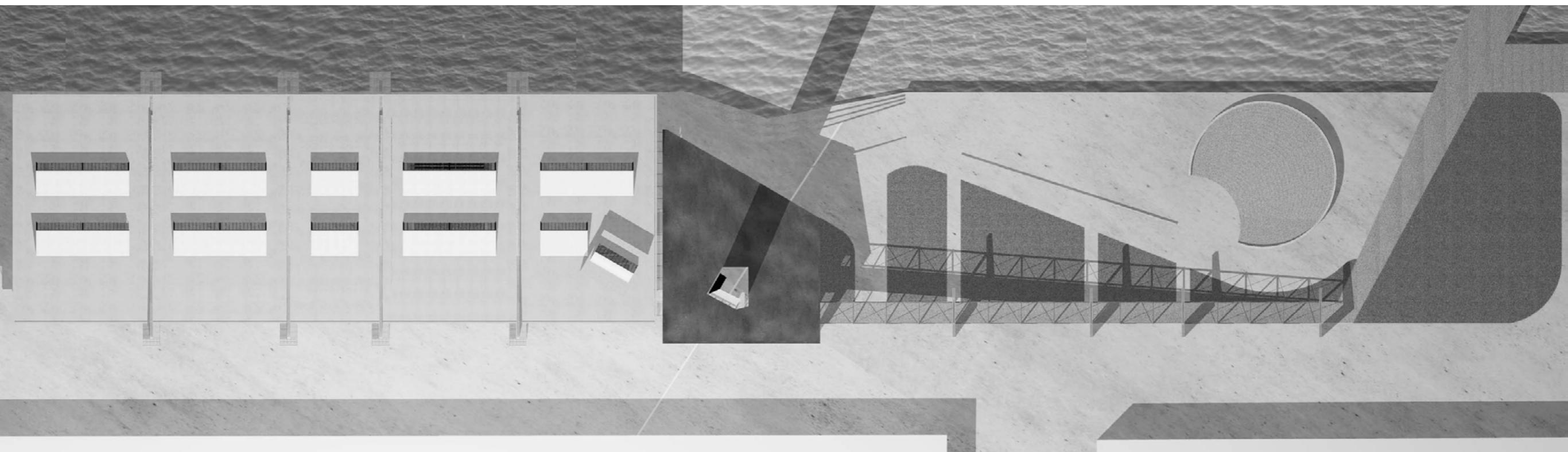
29



○ values

○ starting points

● design
masterplan



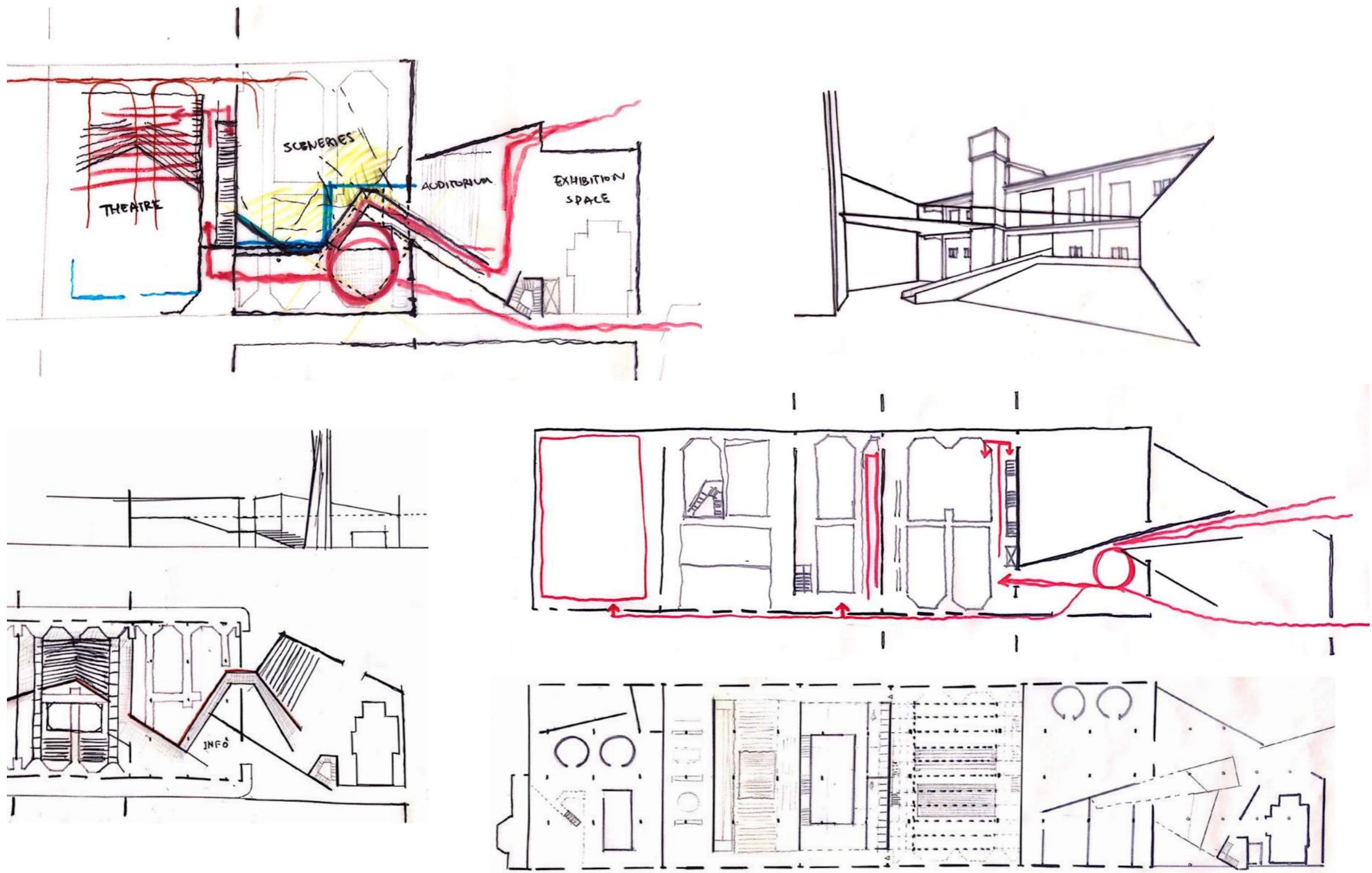
○ values

○ starting points

● design

entrance & circulation

31



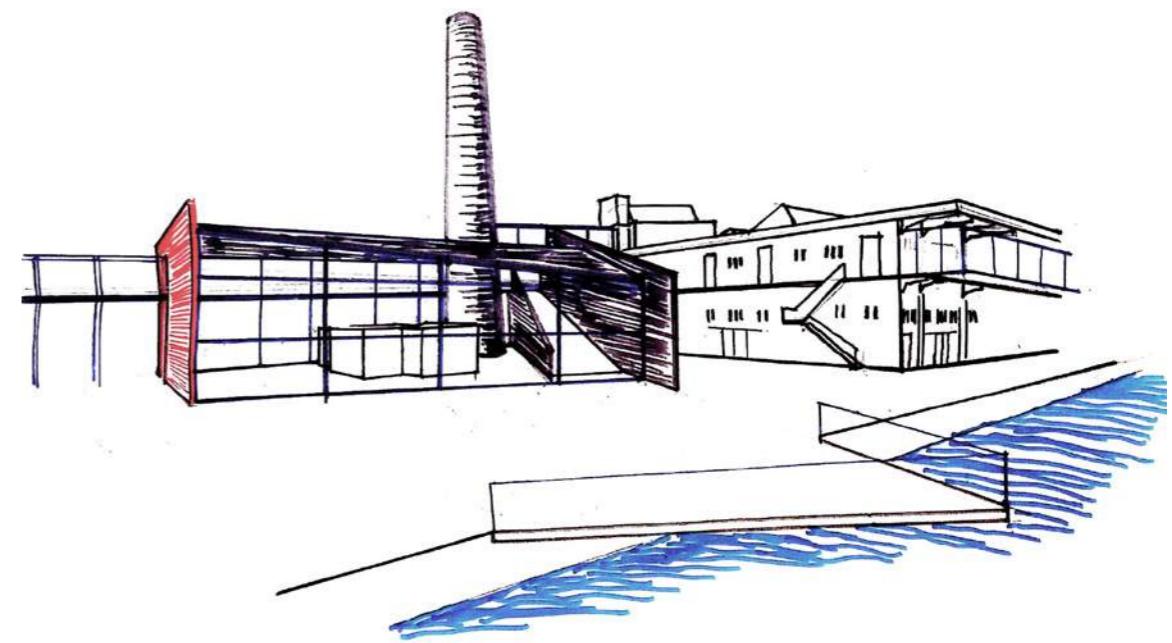
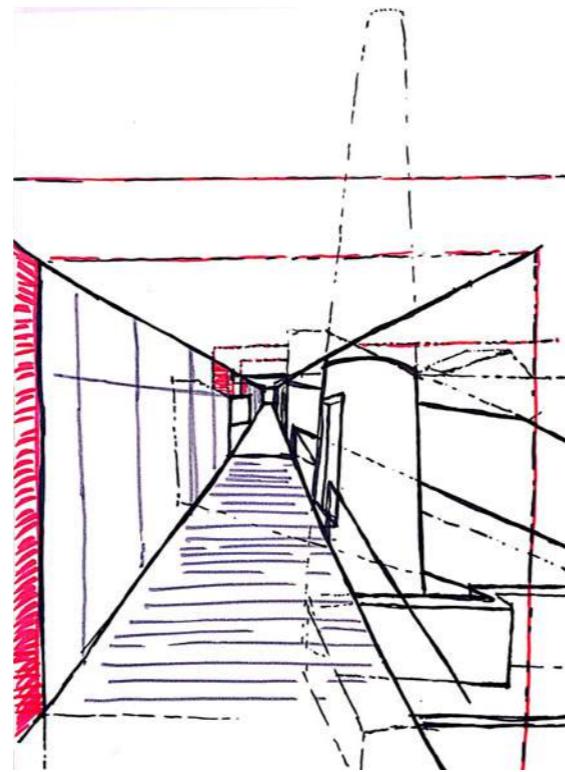
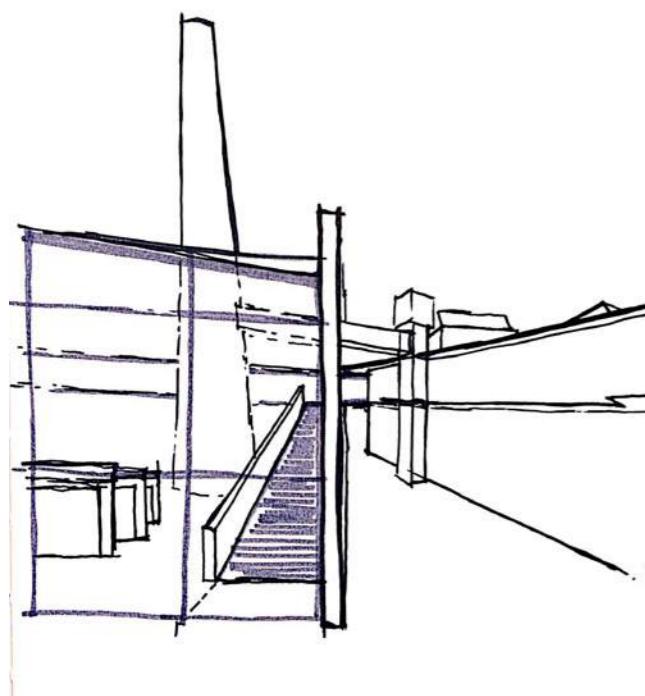
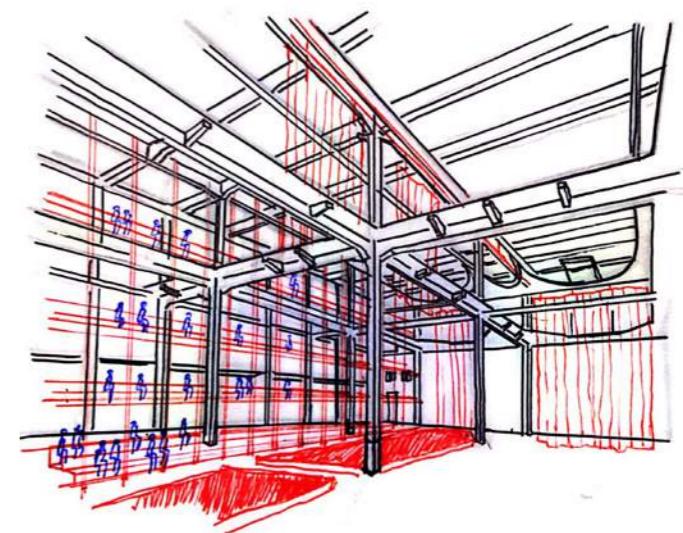
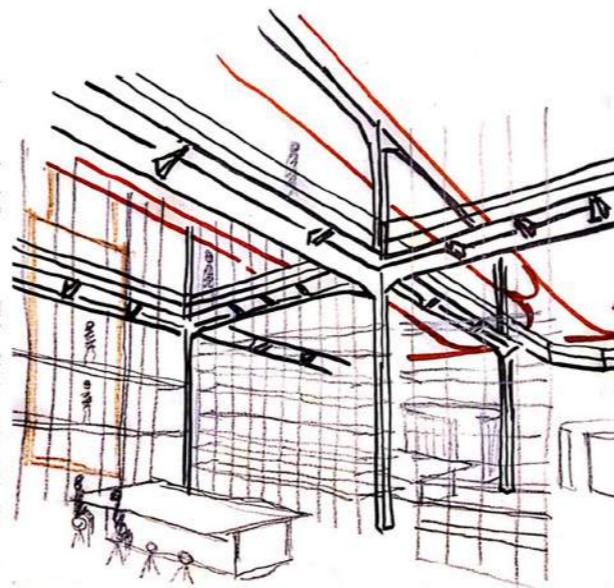
○ values

○ starting points

● design

first ideas

32



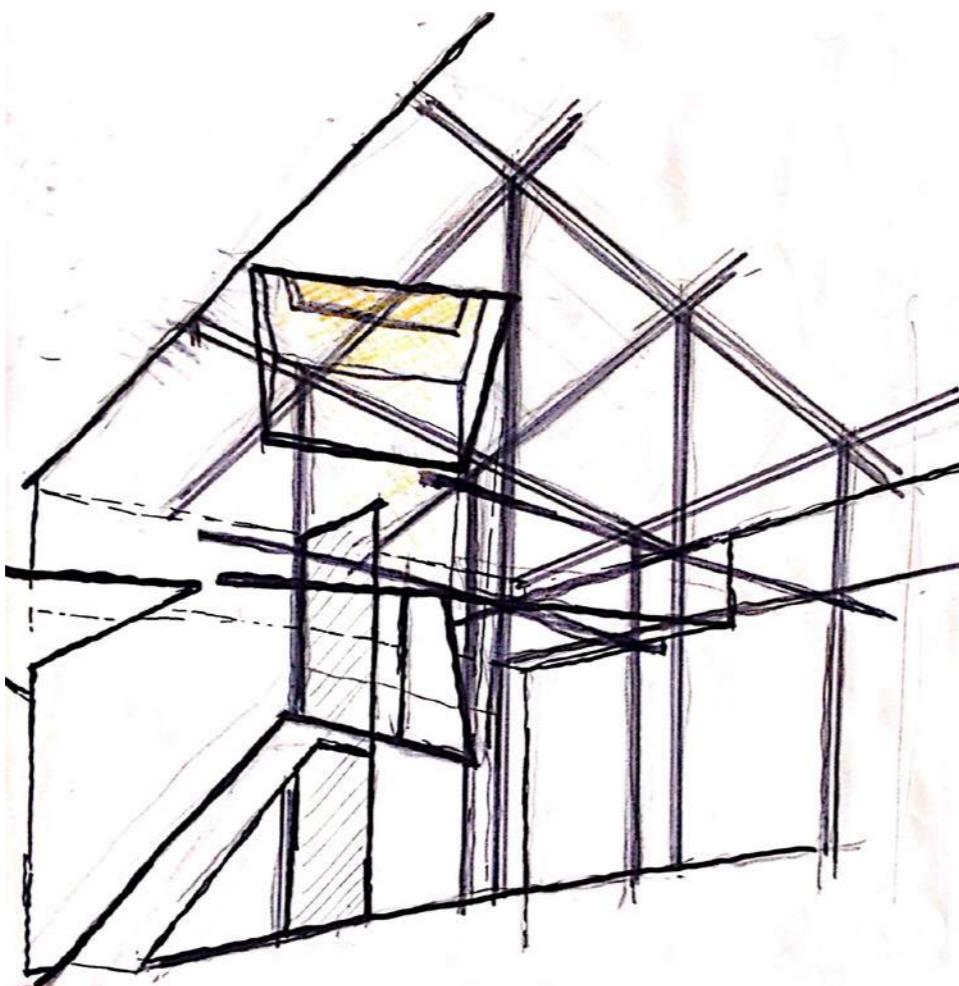
○ values

○ starting points

● design

ramp & sample room

33

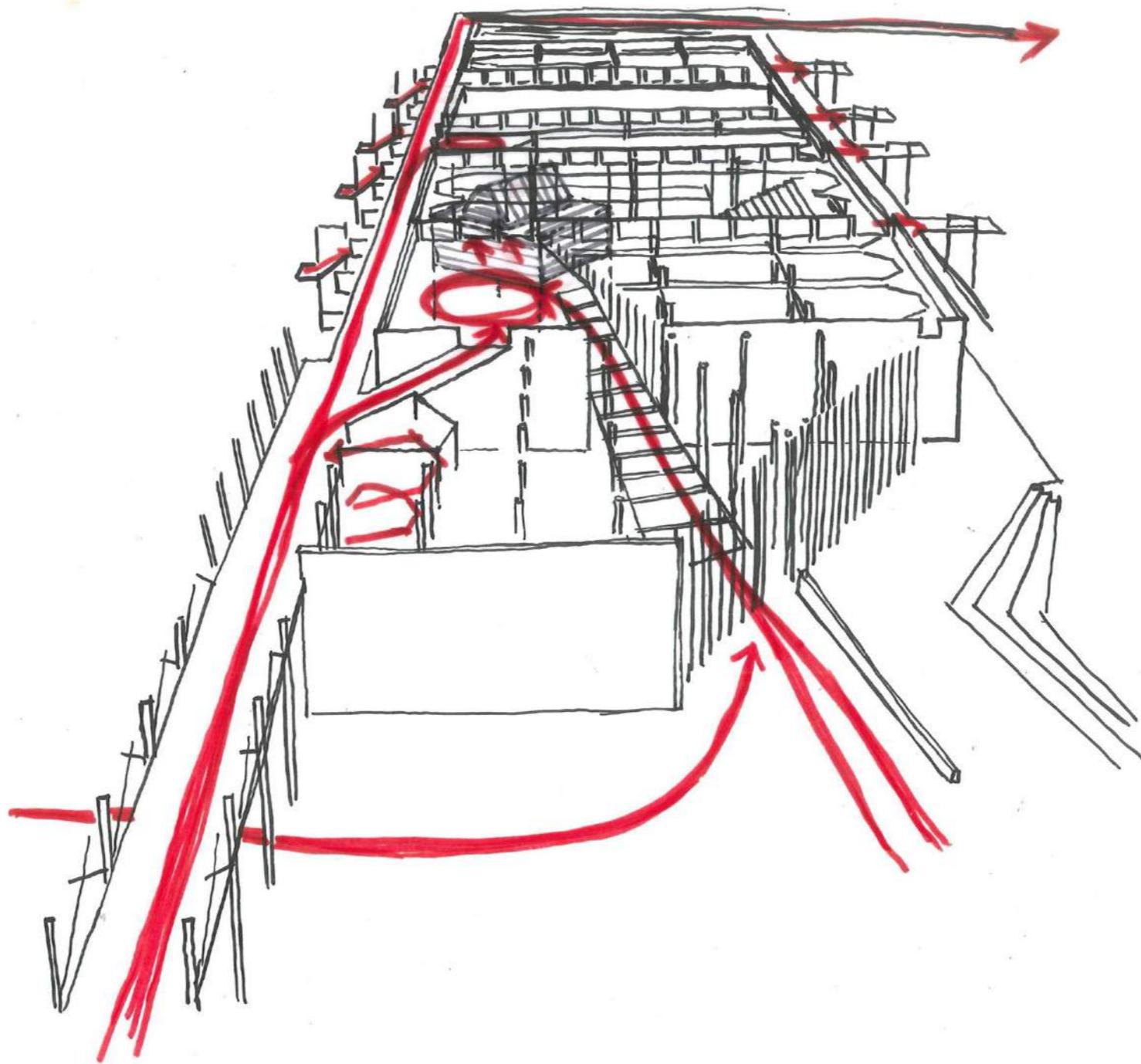


○ values

○ starting points

● design
route

34



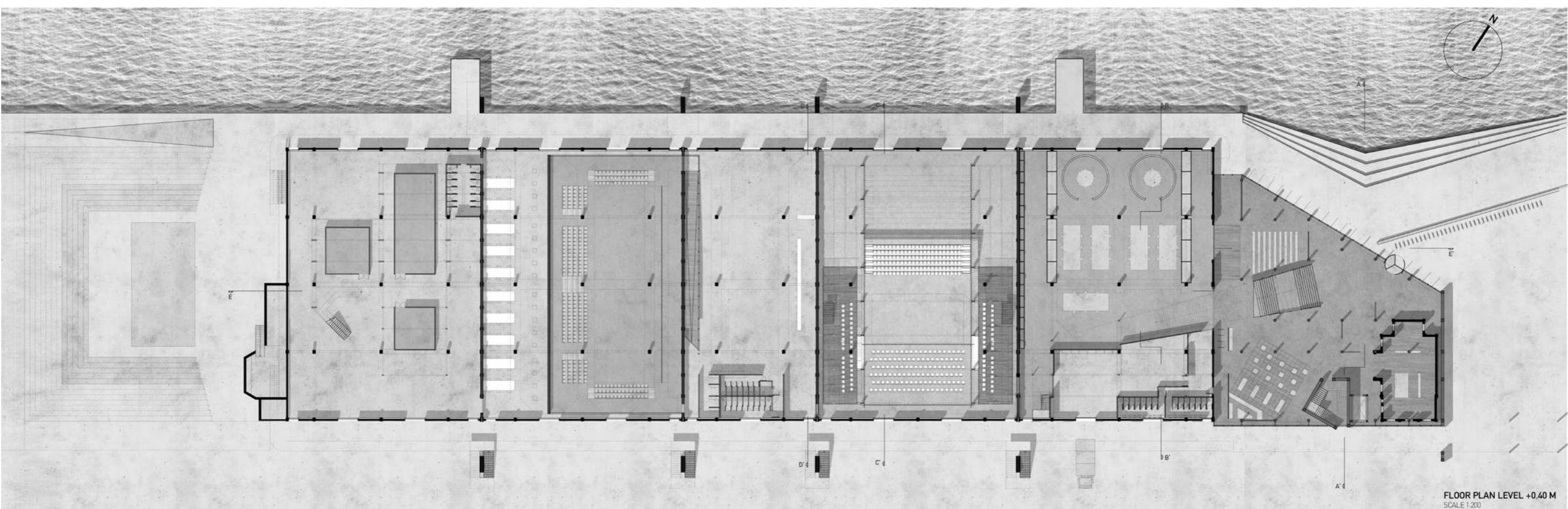
○ values

○ starting points

● design

35

floor plan +0.00



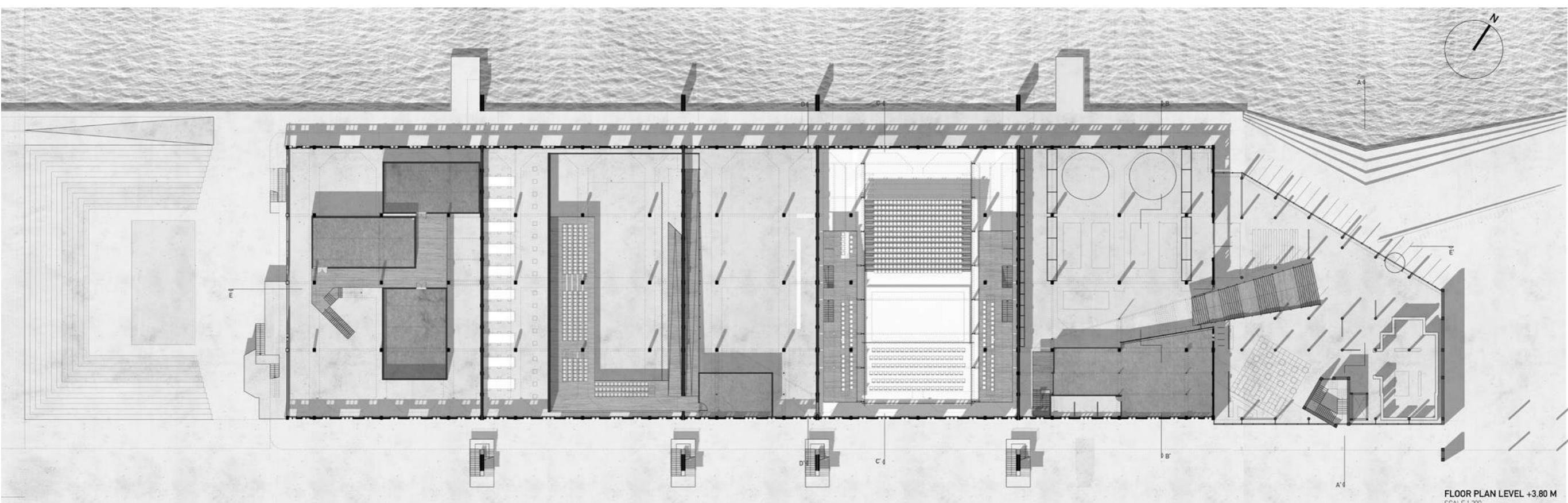
○ values

○ starting points

● design

floor plan +4.00

36



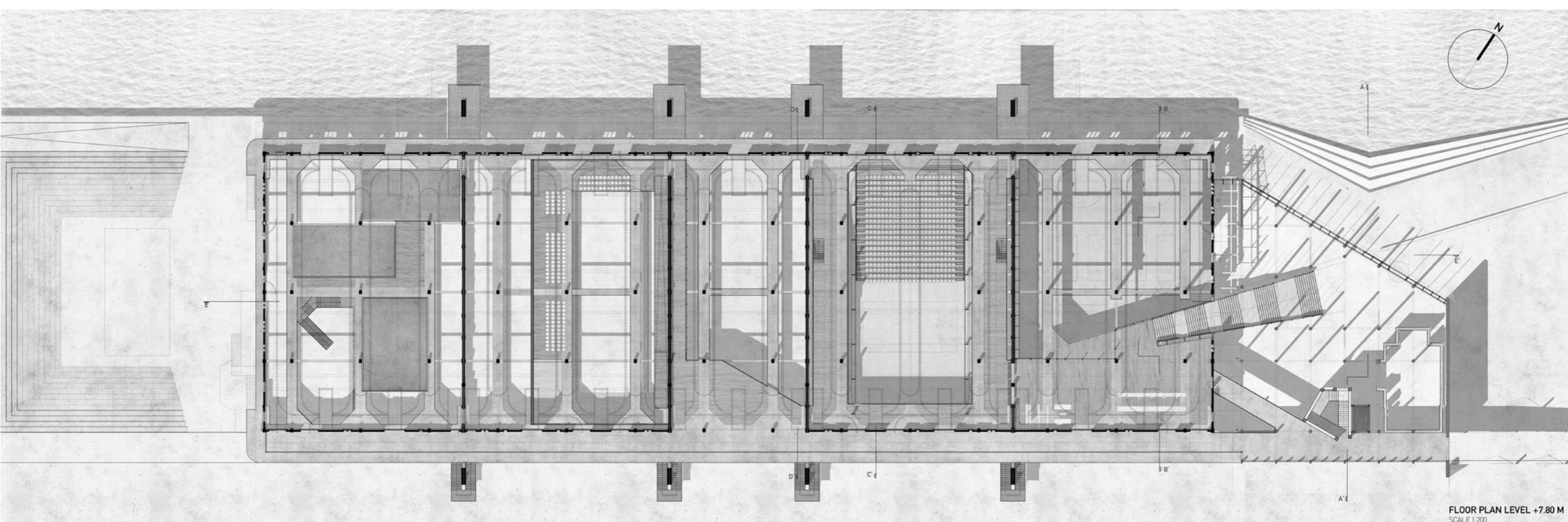
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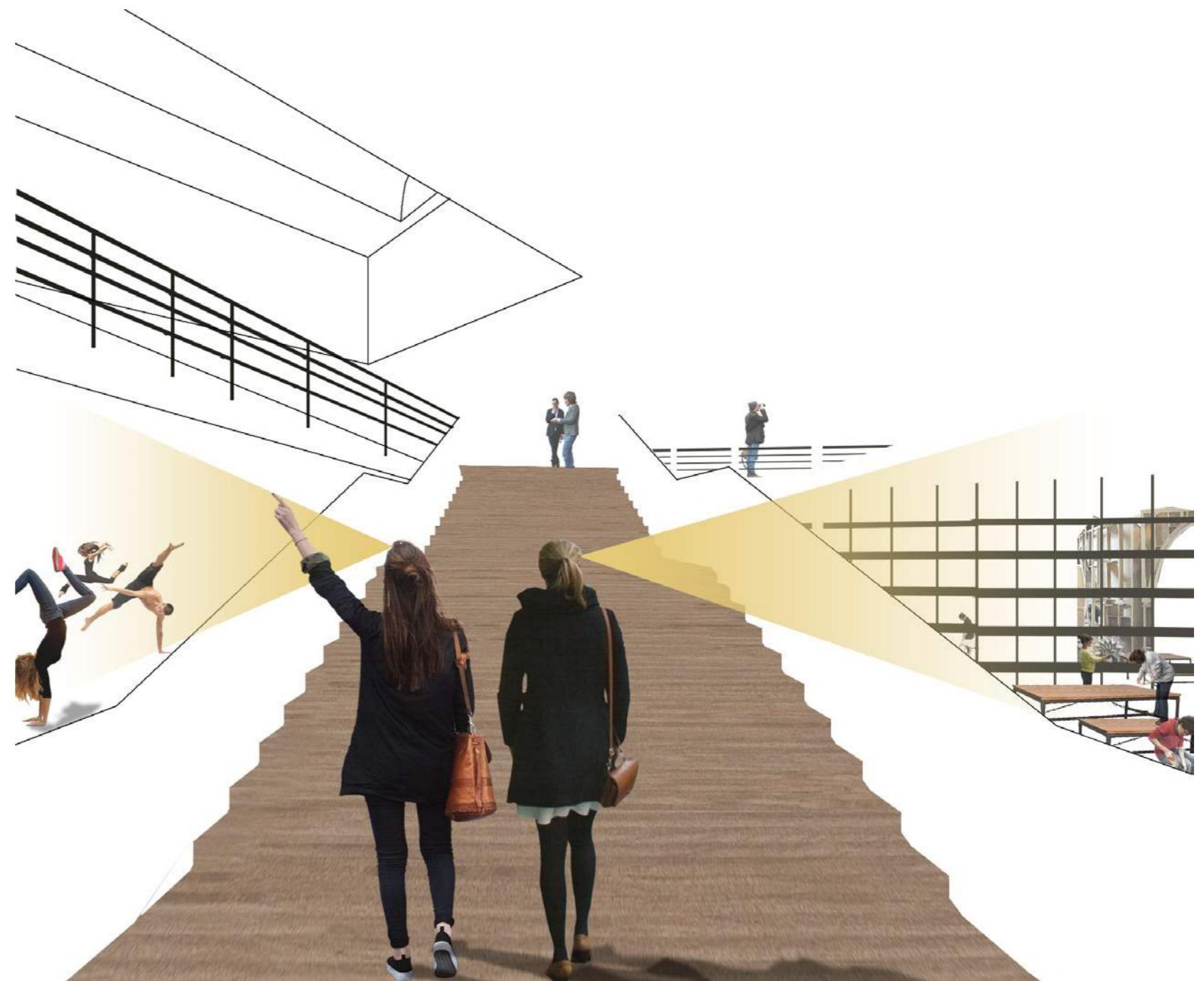
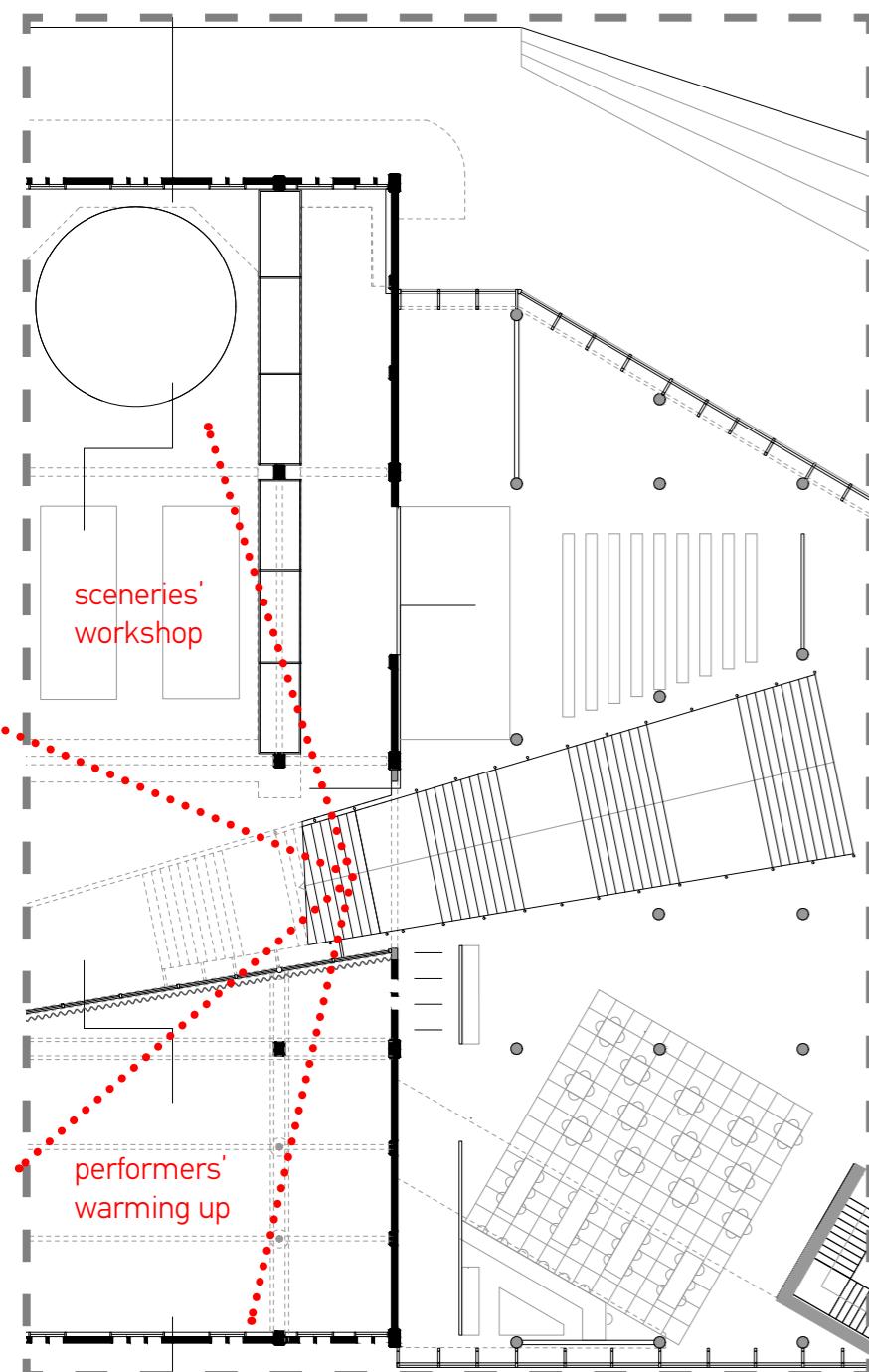
○ starting points

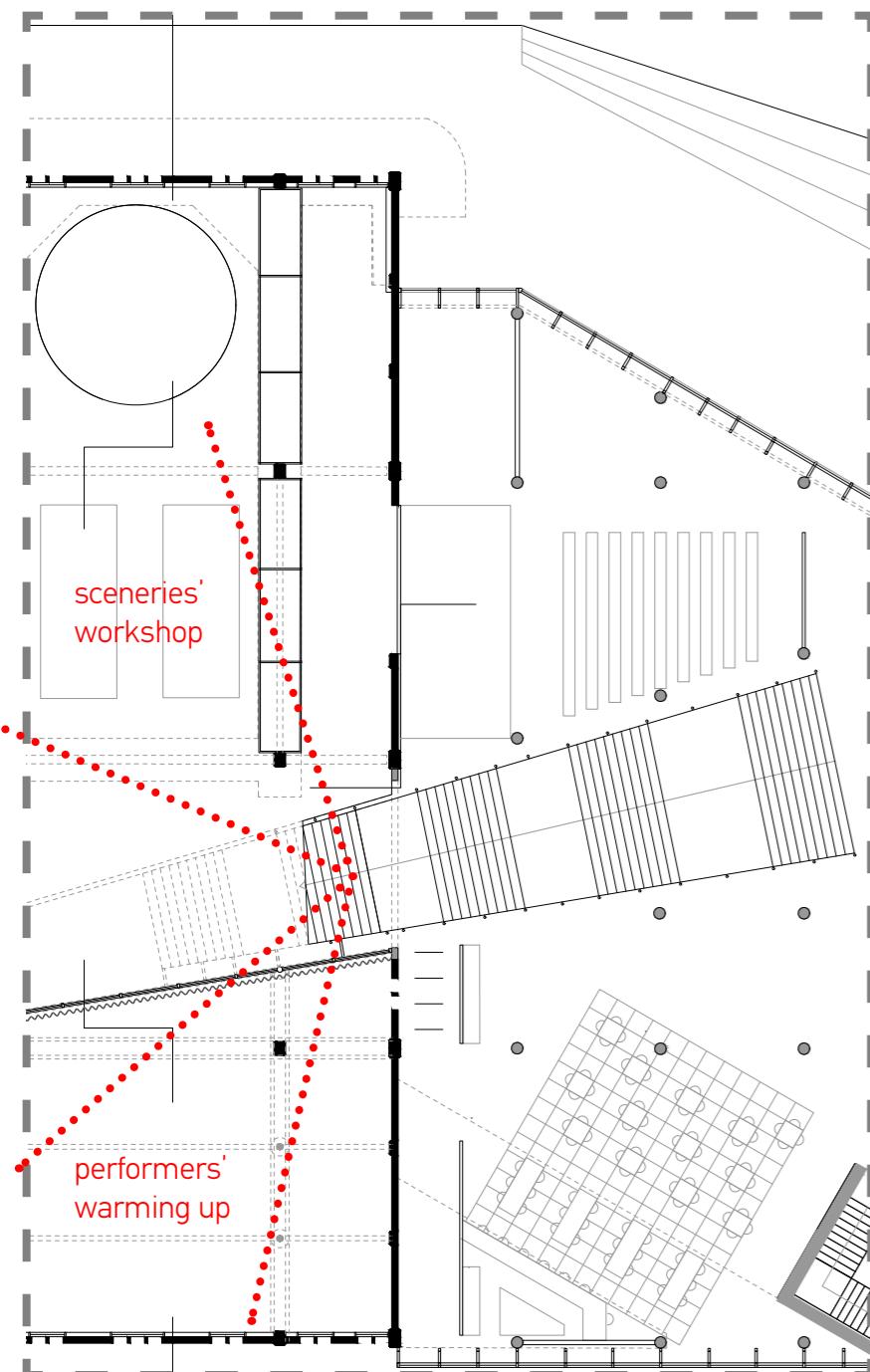
● design

37

floor plan +8.00





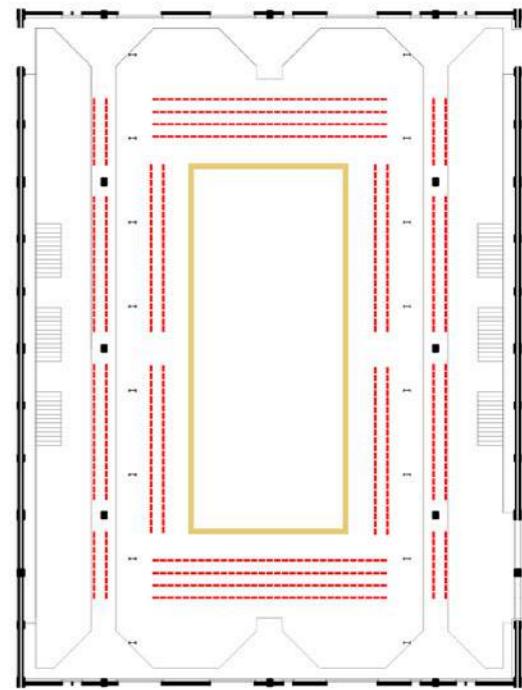
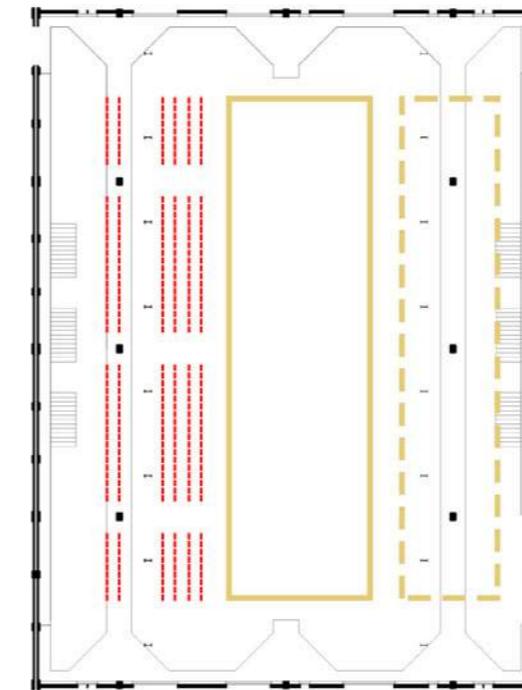
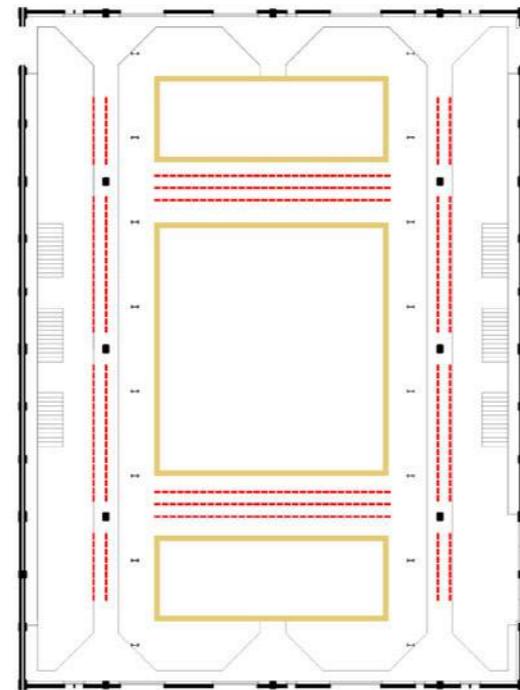
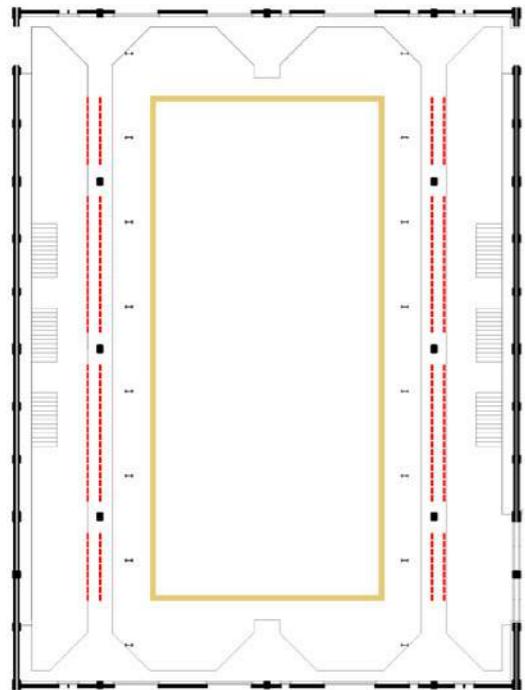
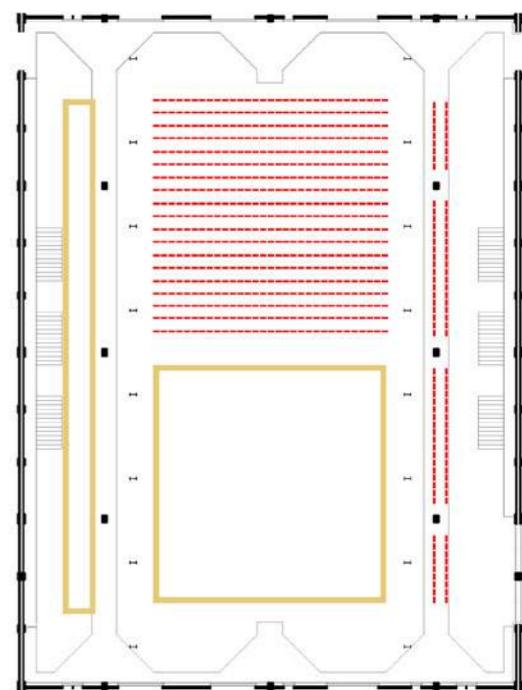
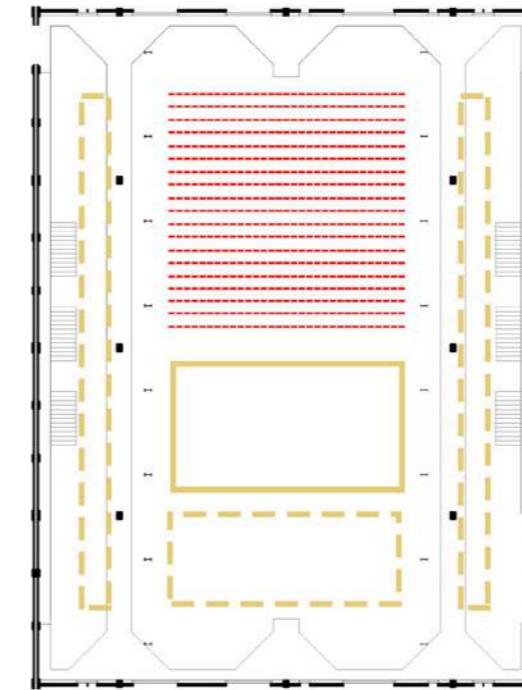
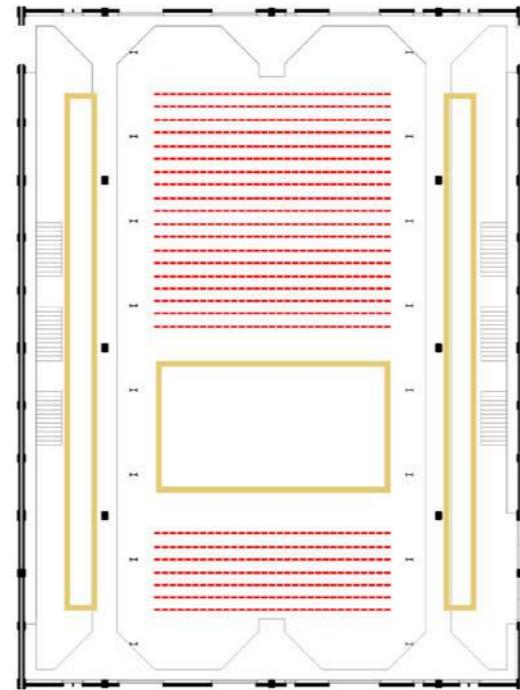
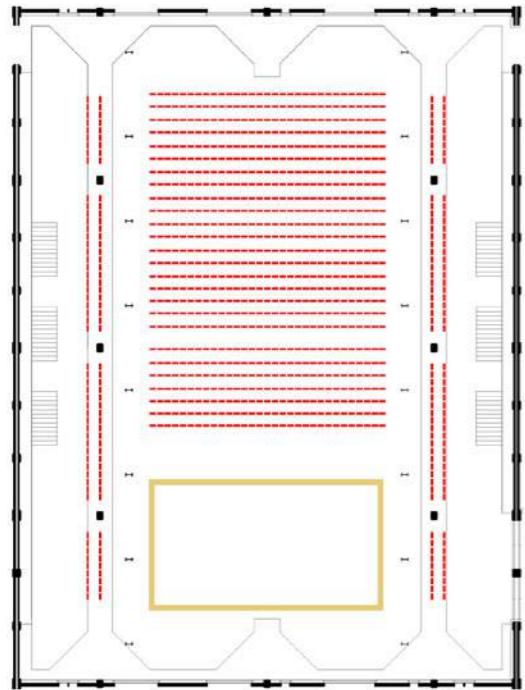


○ values

○ starting points

● design
flexibility

40



— yellow performing space

— yellow backstage

— red audience

○ values

○ starting points

● design

1st version

41



○ values

○ starting points

● design

2nd version

42



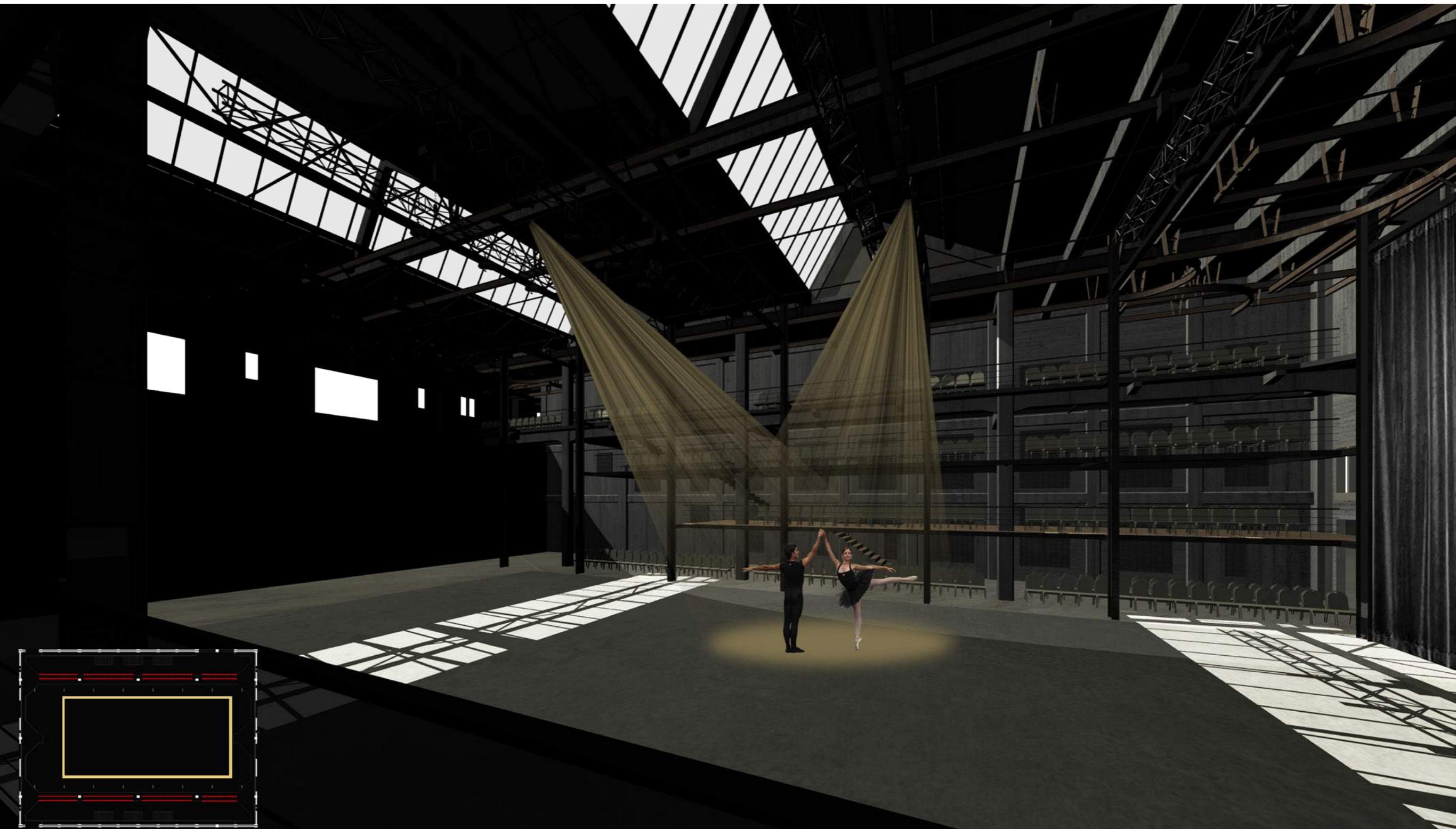
○ values

○ starting points

● design

3rd version

43



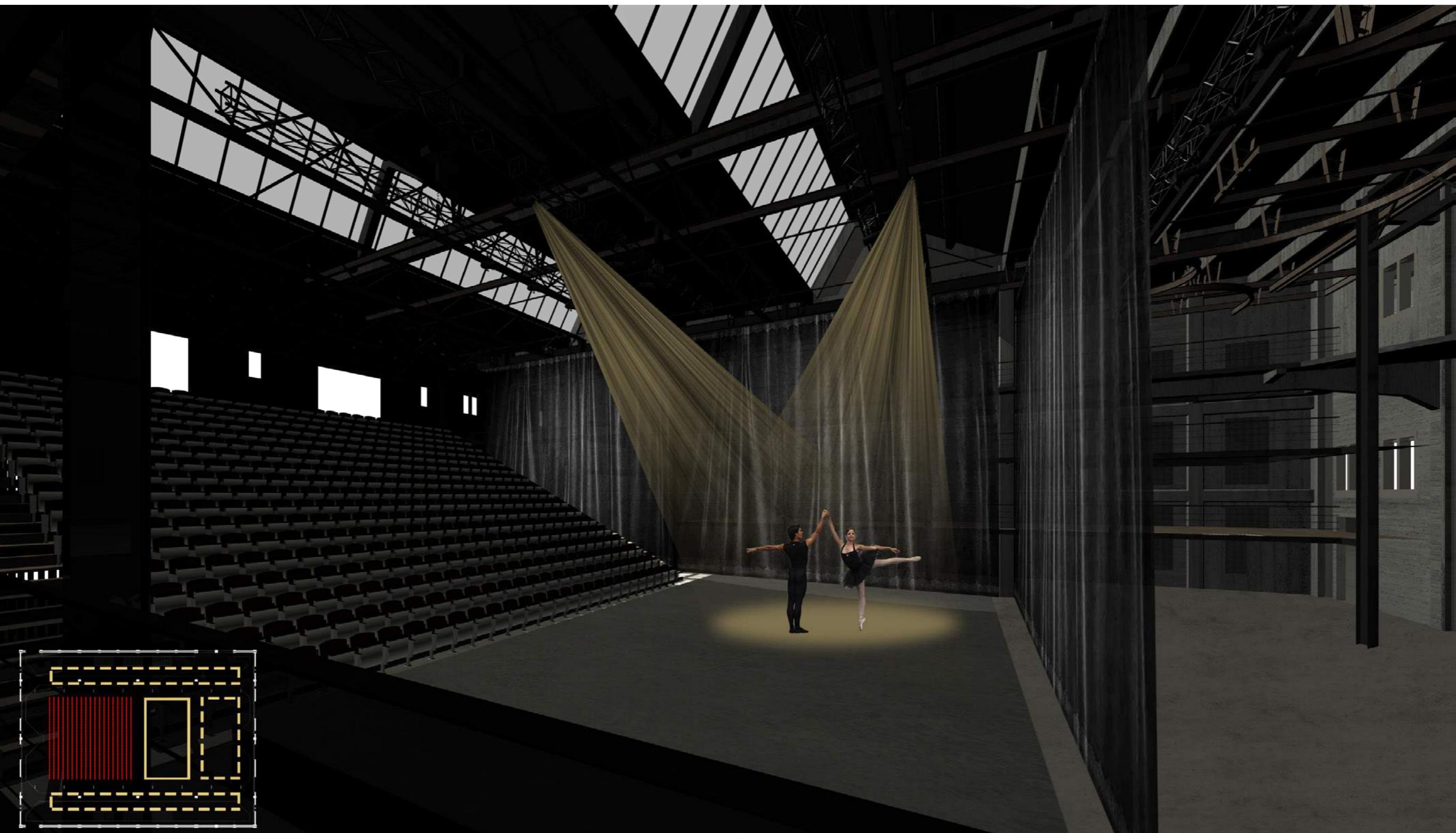
○ values

○ starting points

● design

4th version

44



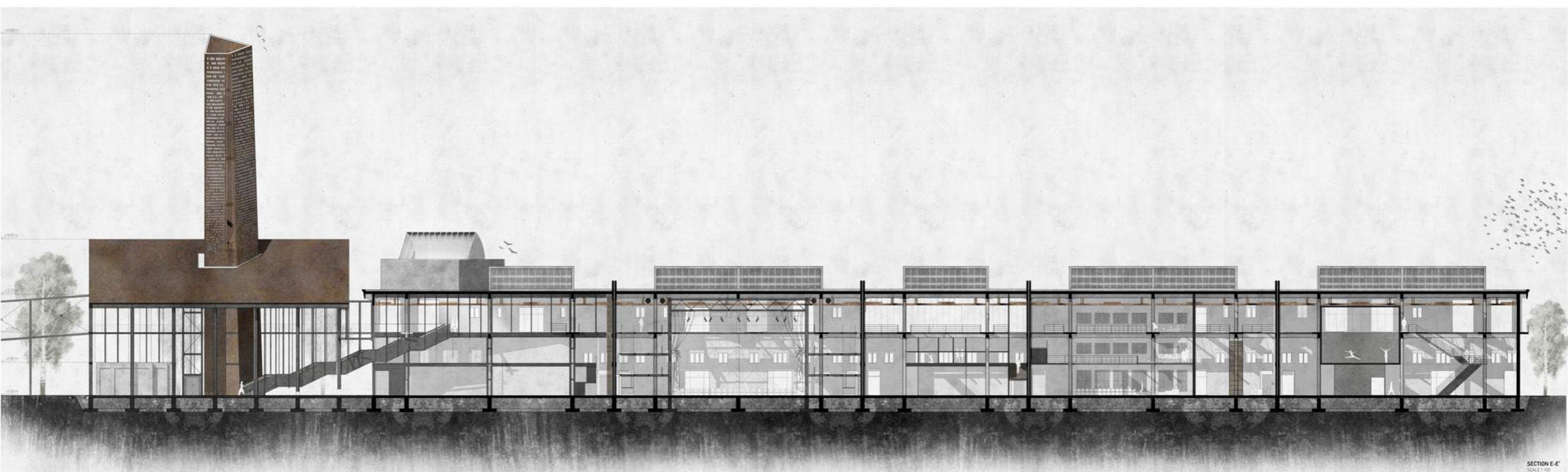
○ values

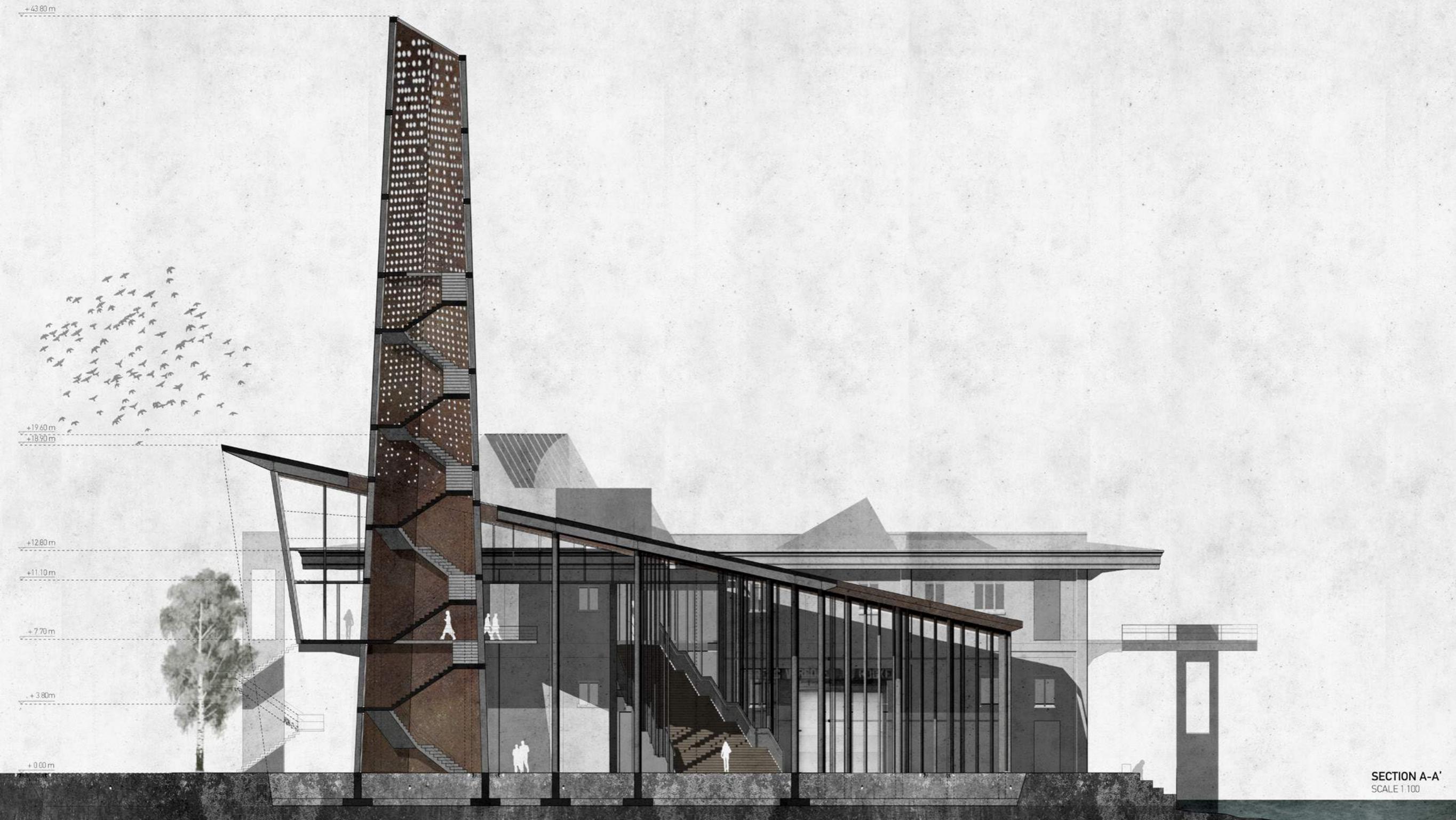
○ starting points

● design

long section

45





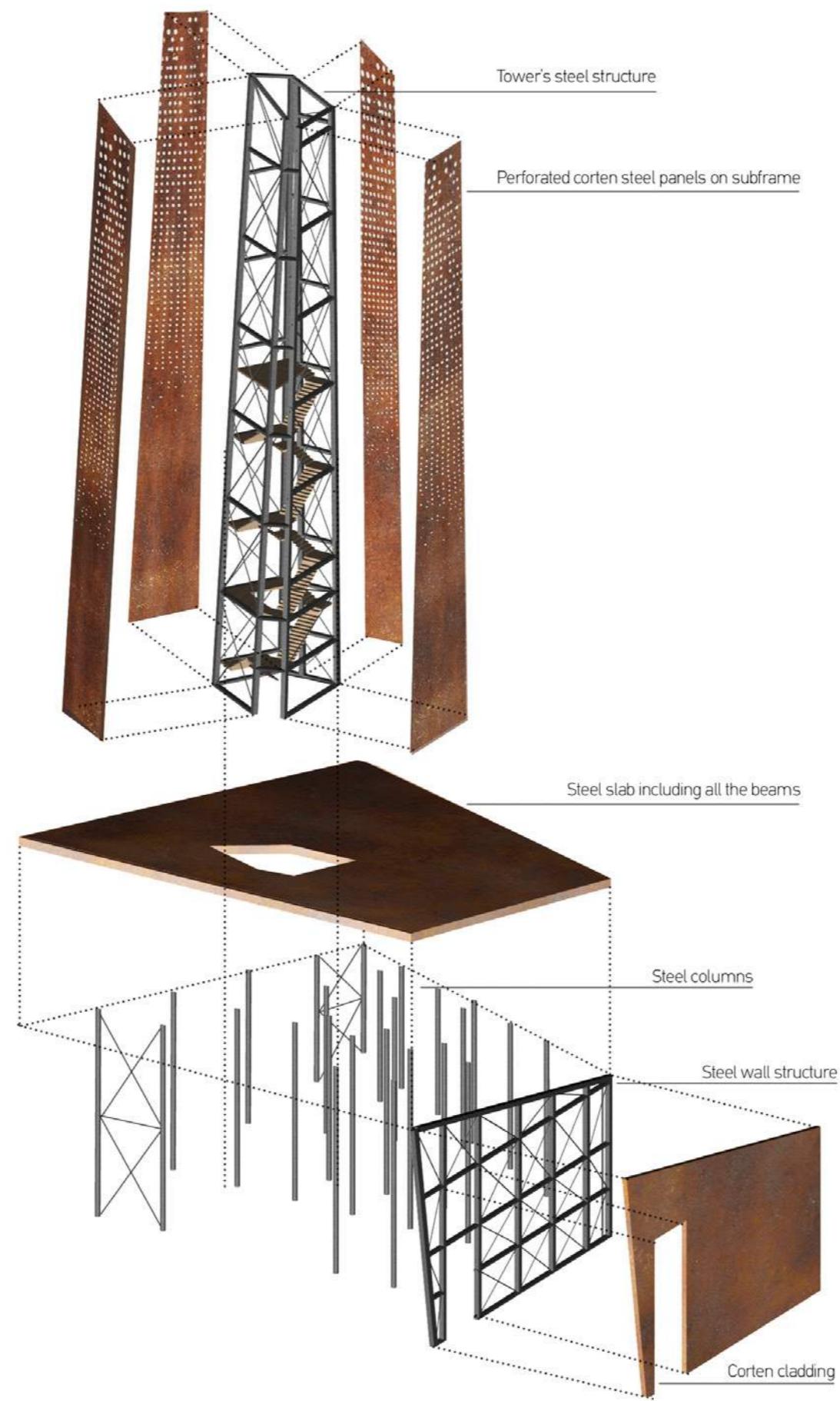
○ values

○ starting points

● design

47

The tower



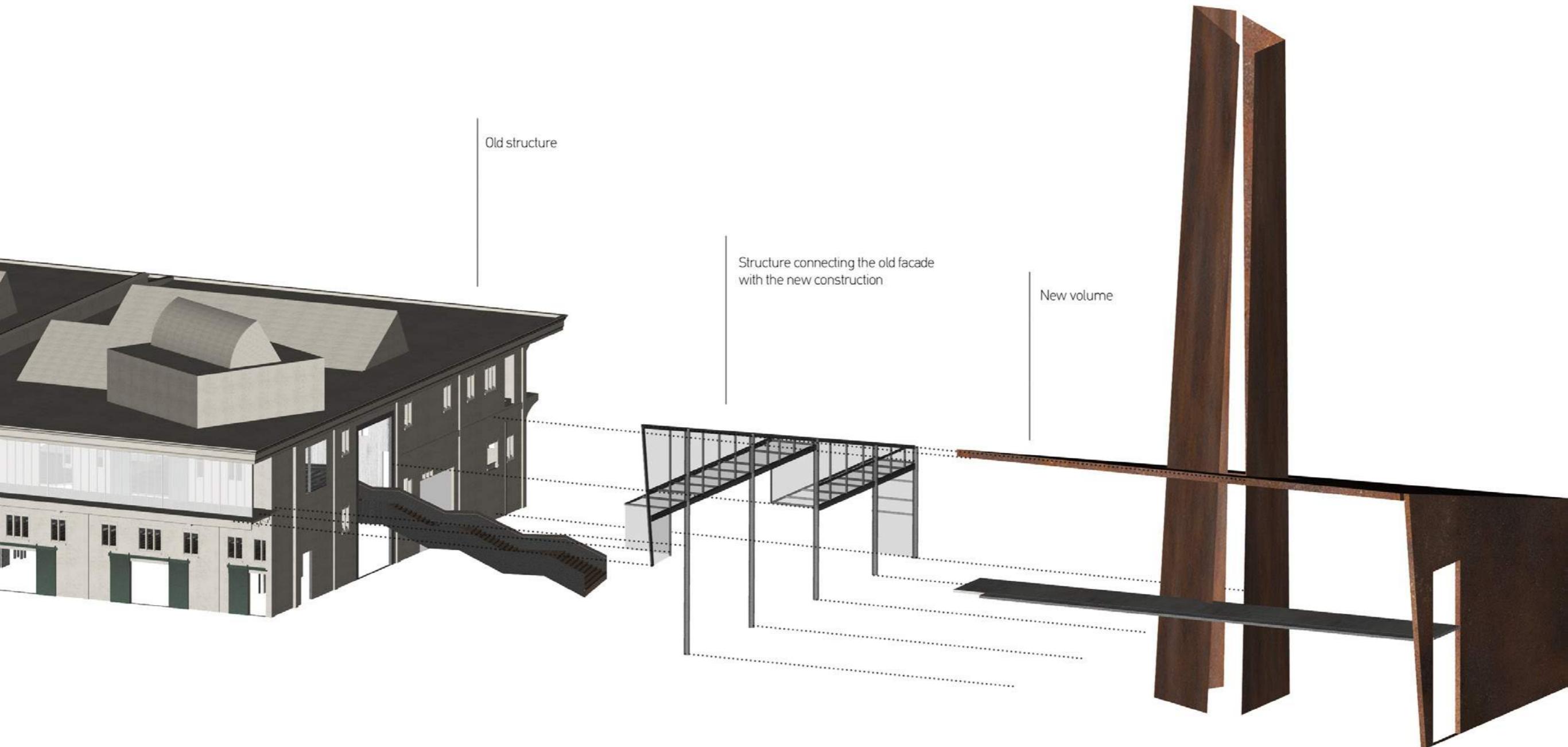
○ values

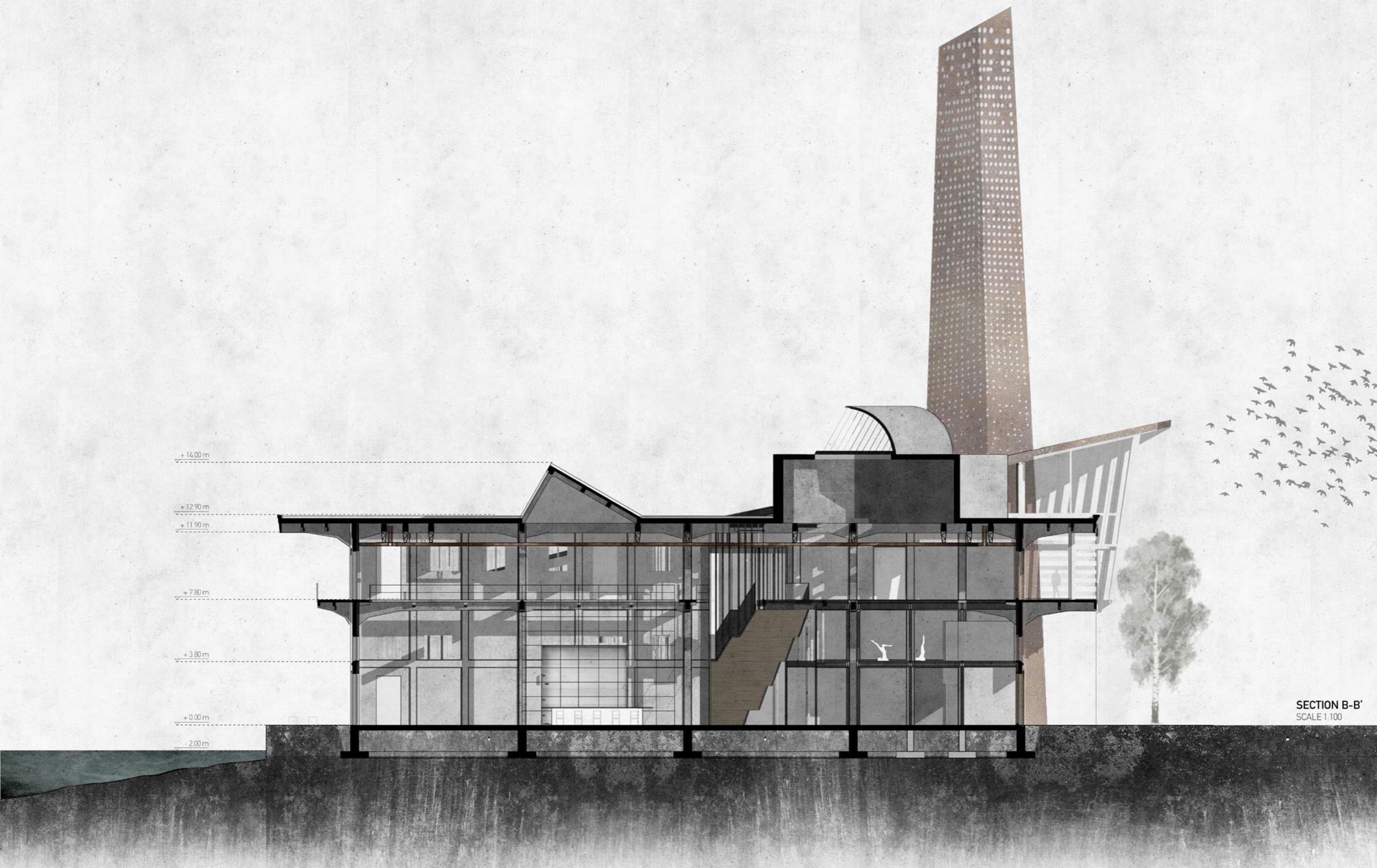
○ starting points

● design

Old & new connection

48





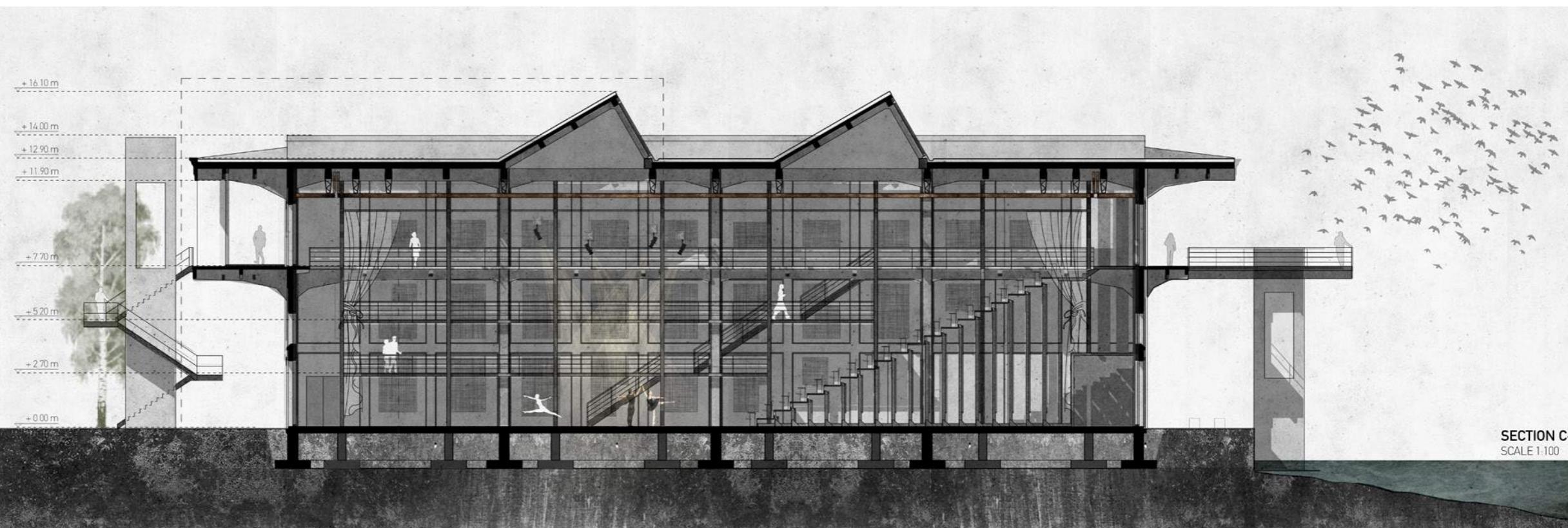
○ values

○ starting points

● design

main stage

50



○ values

○ starting points

● design

51

the empty space



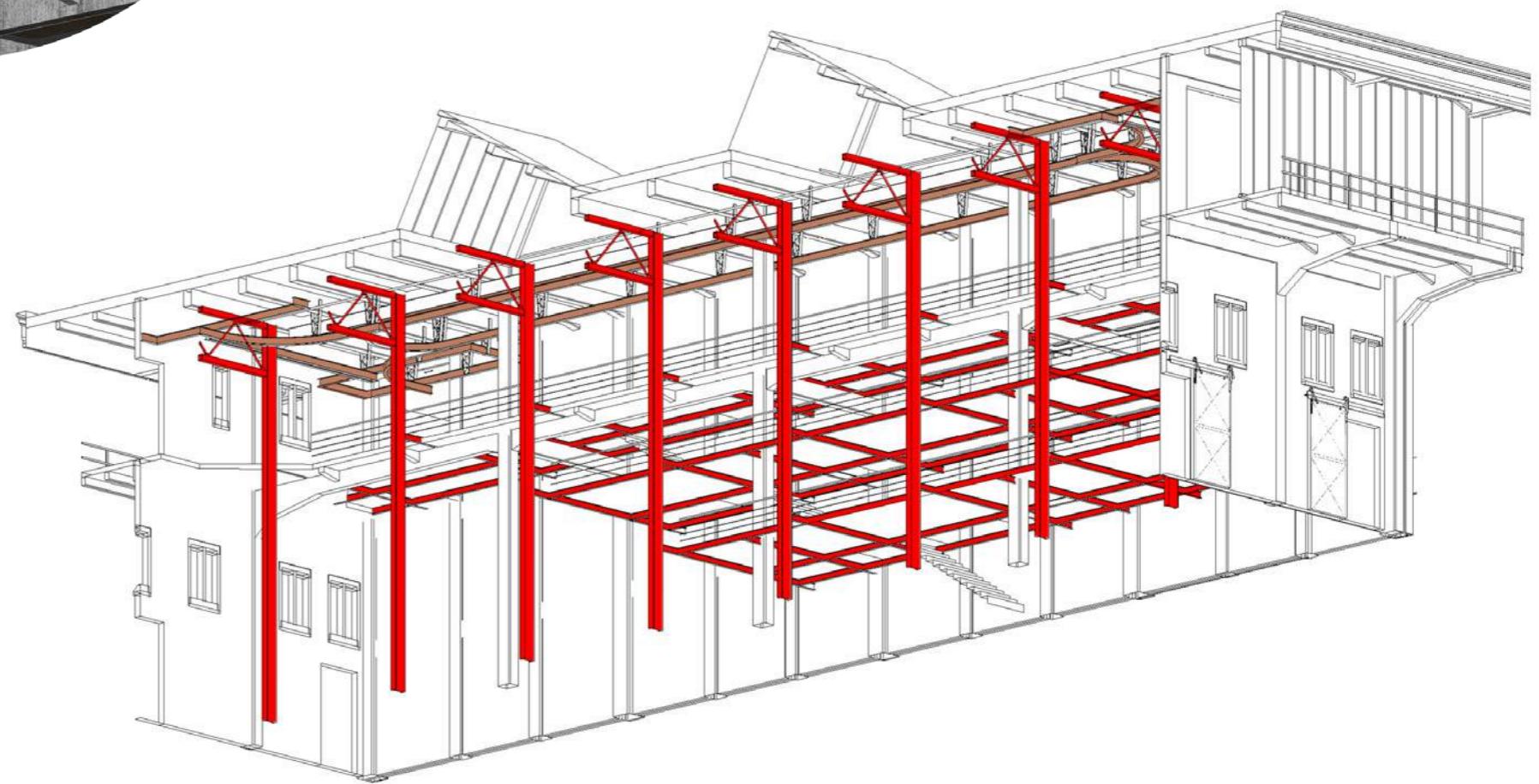
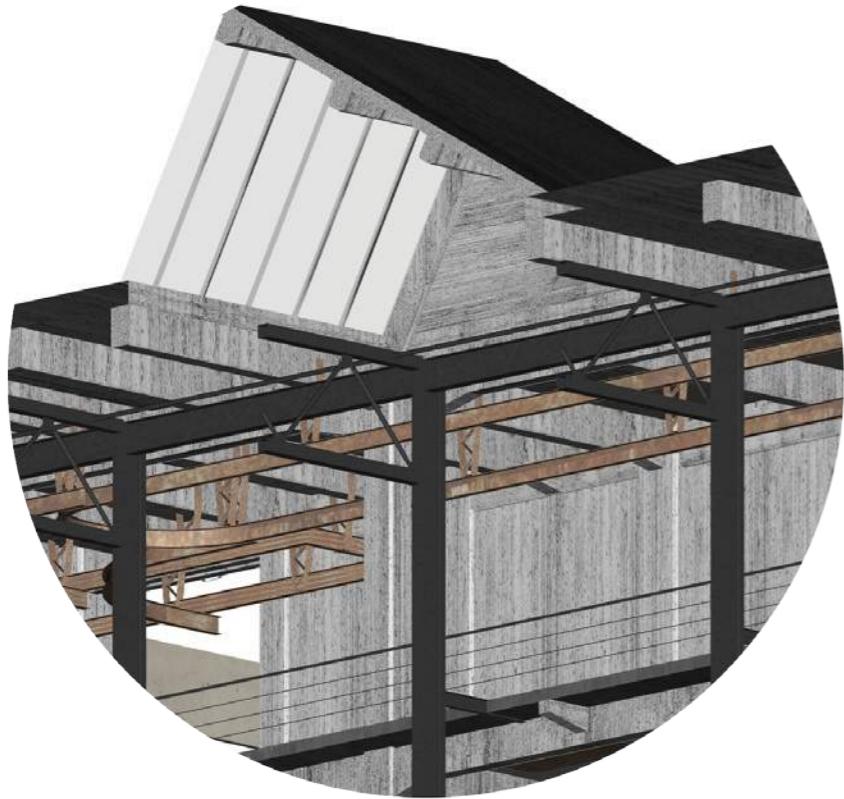
○ values

○ starting points

● design

structure of theater space

52



○ values

○ starting points

● design

theatre space



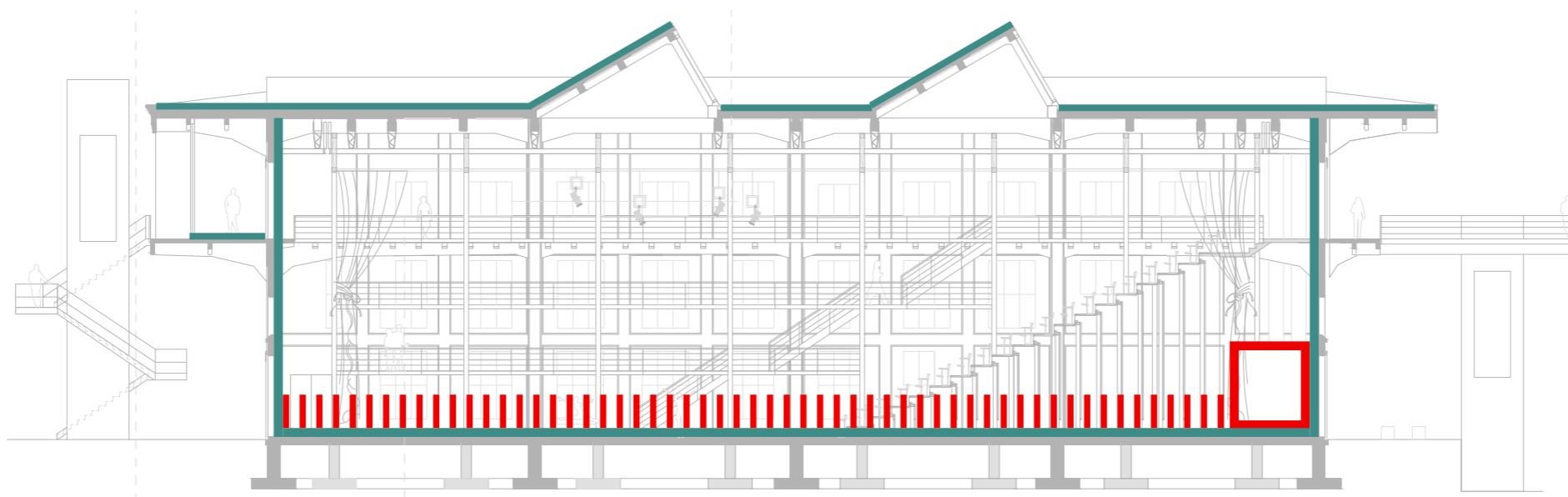
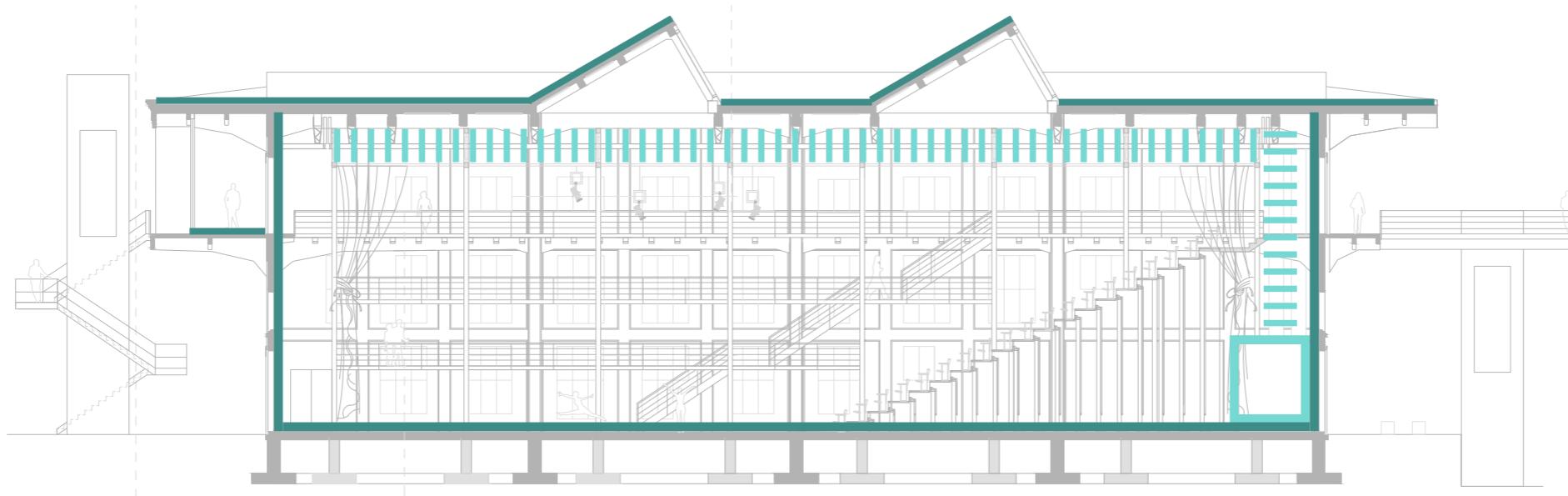
○ values

○ starting points

● design

climate design

54



○ values

○ starting points

● design

facade

55



SOUTH EAST ELEVATION | EXISTING
SCALE 1:200



SOUTH EAST ELEVATION
SCALE 1:200

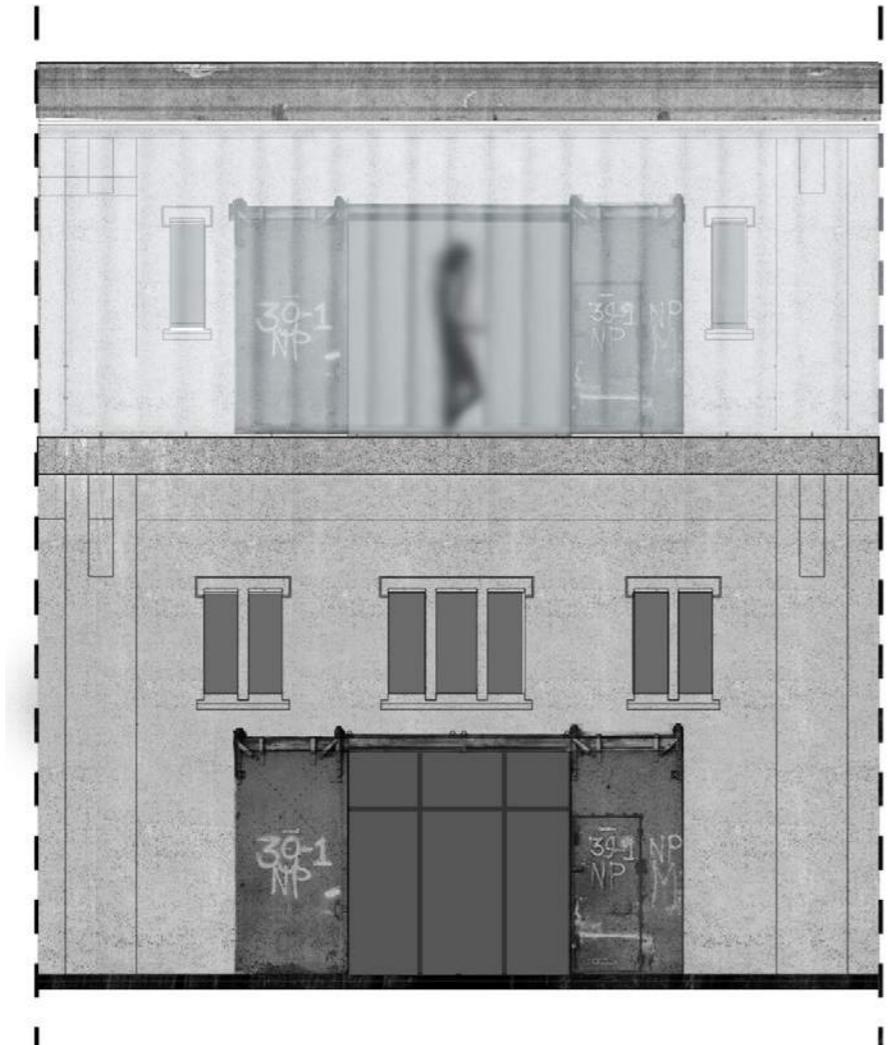
○ values

○ starting points

● design

facade detail

56



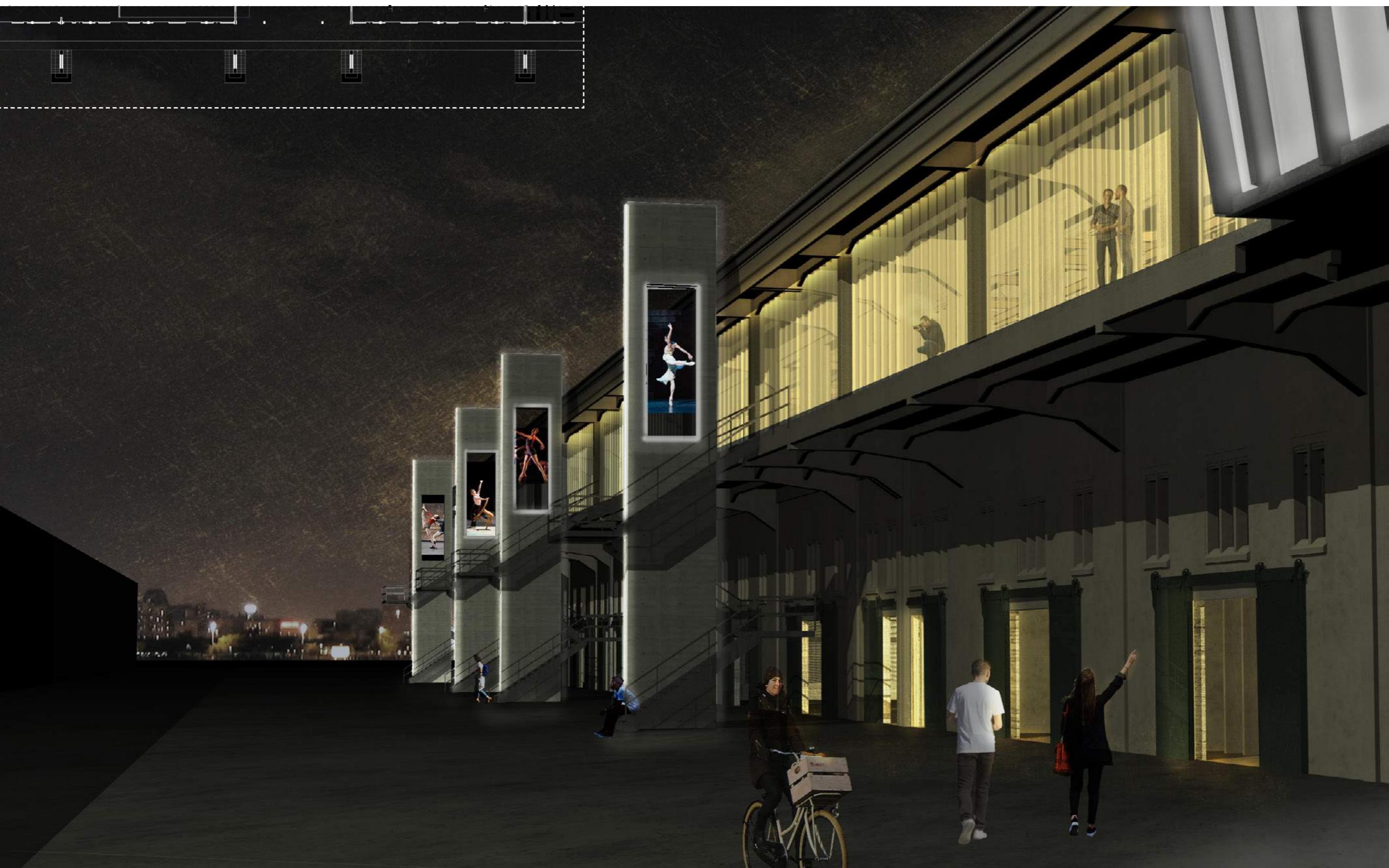
○ values

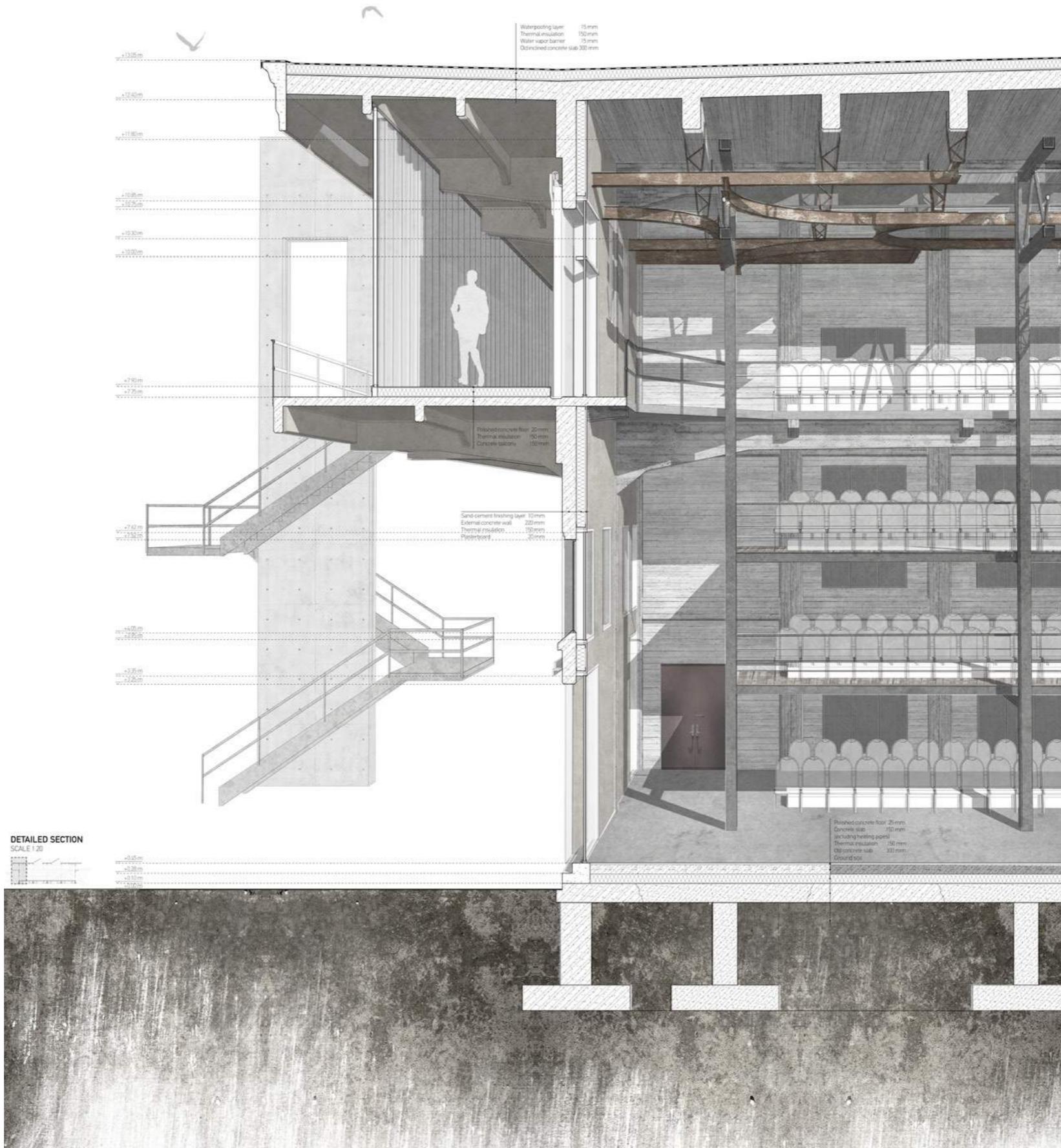
○ starting points

● design

57

view from street





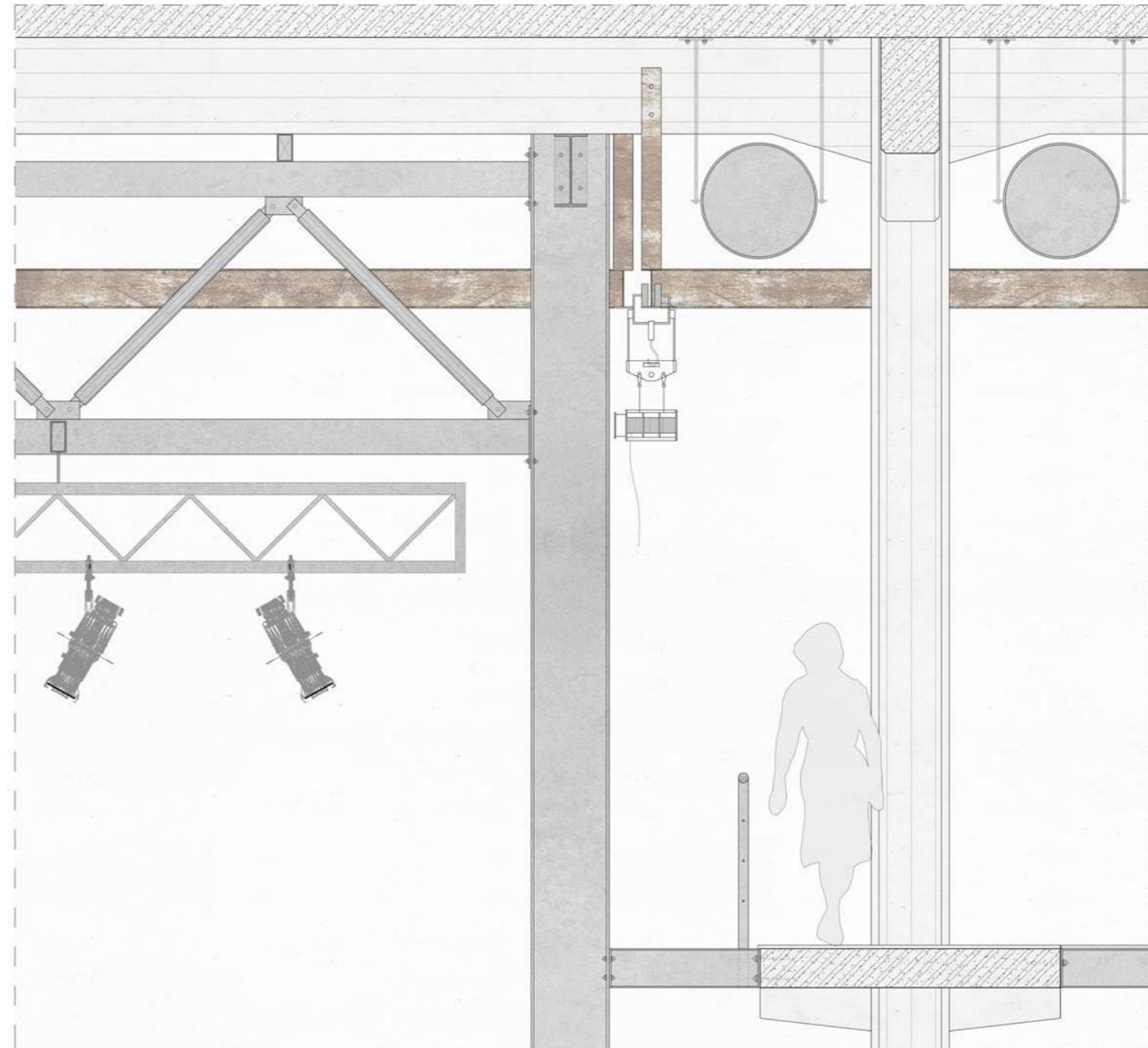
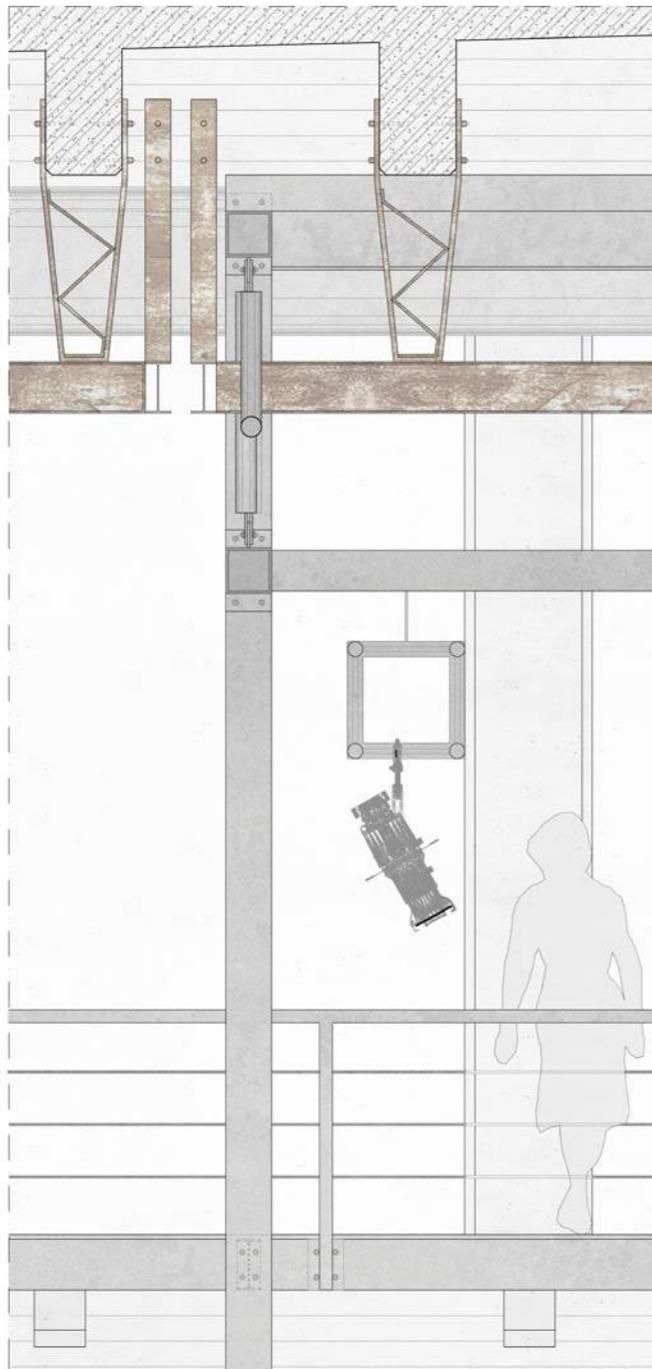
○ values

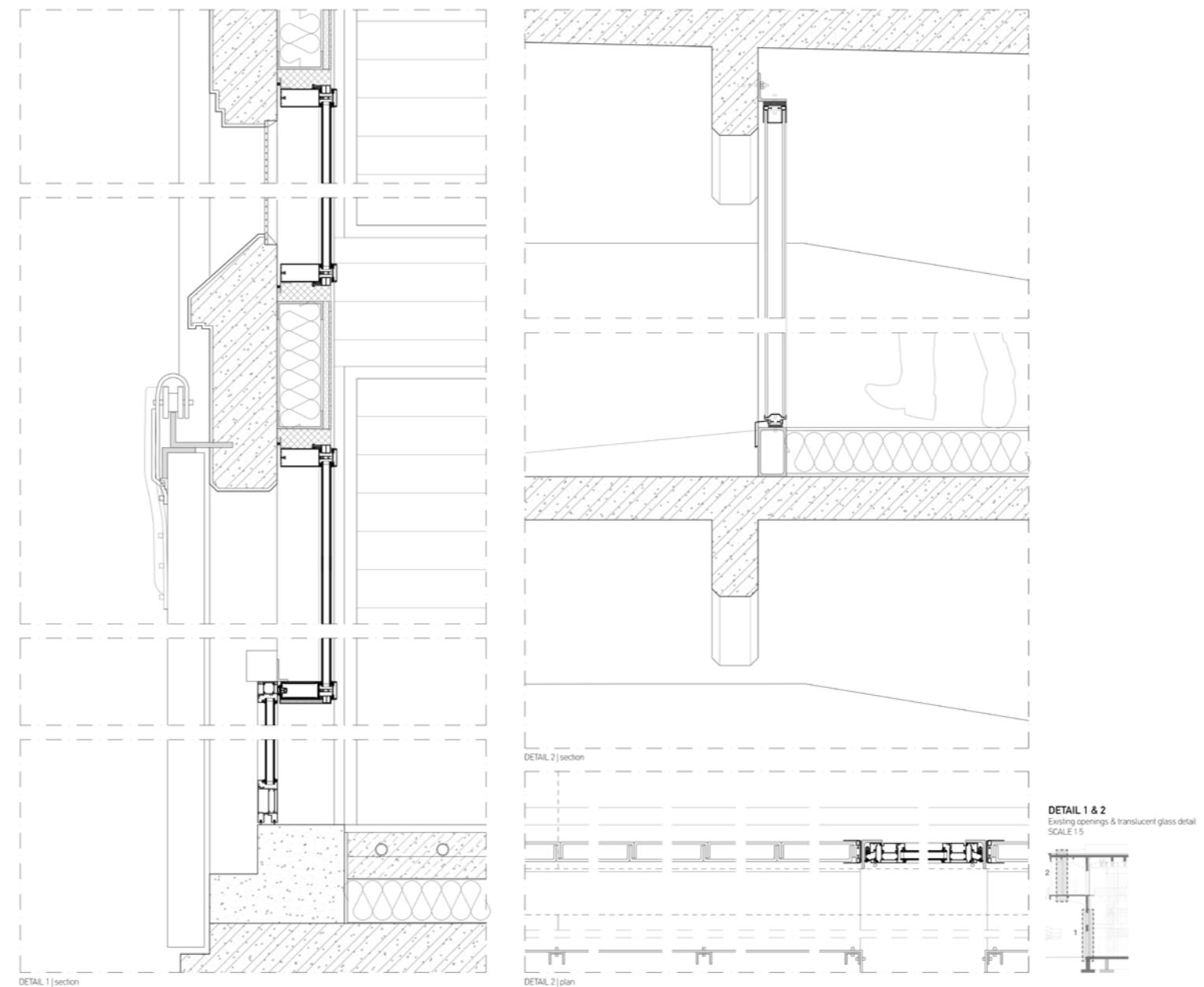
○ starting points

● design

detail 1:10

59





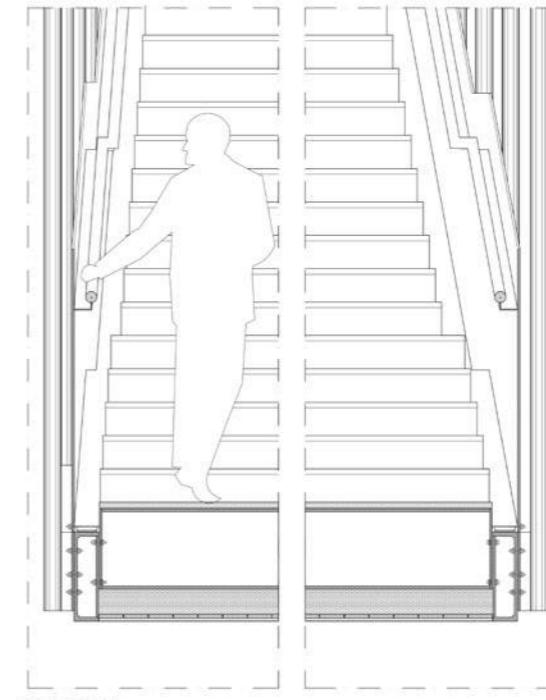
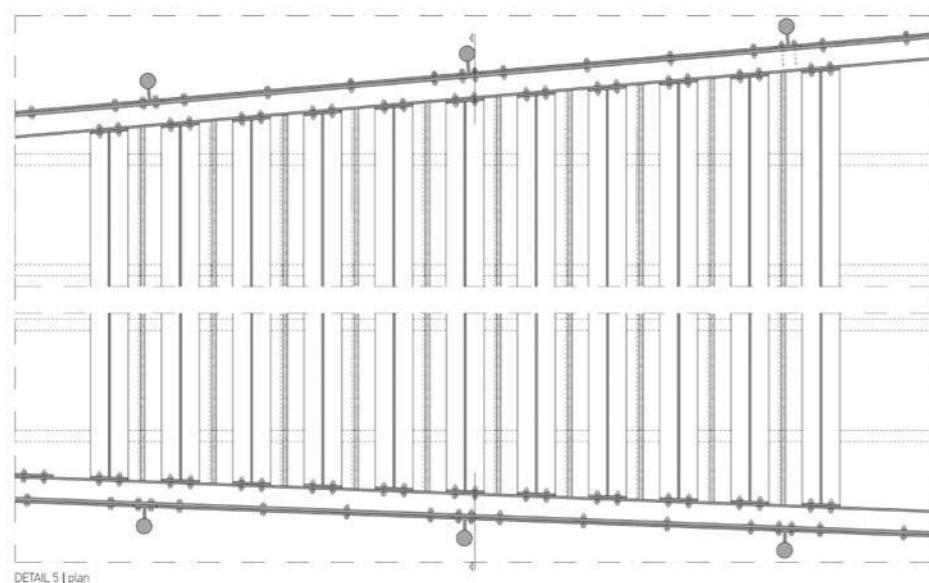
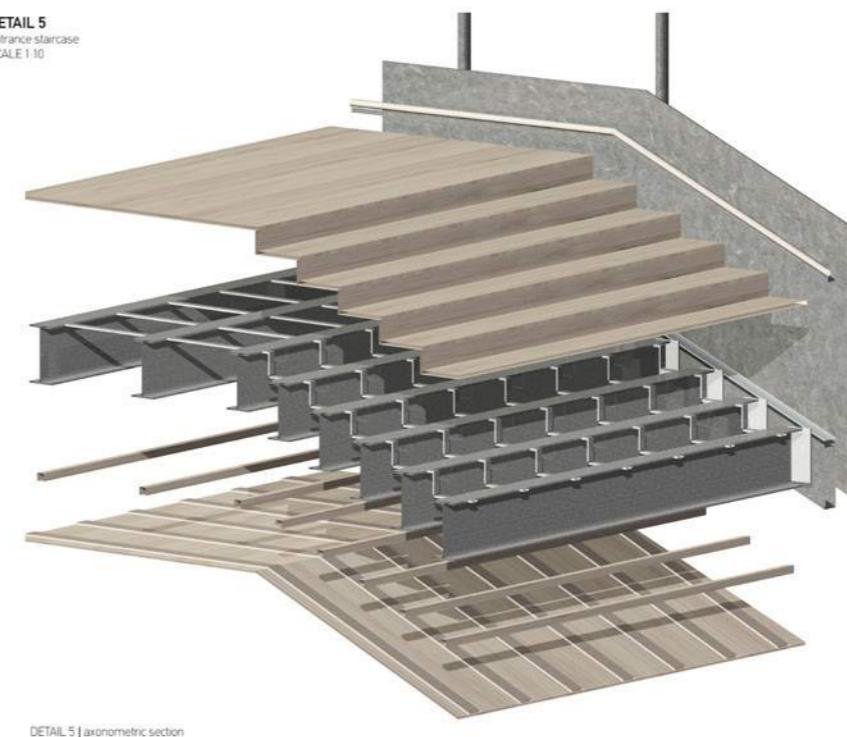
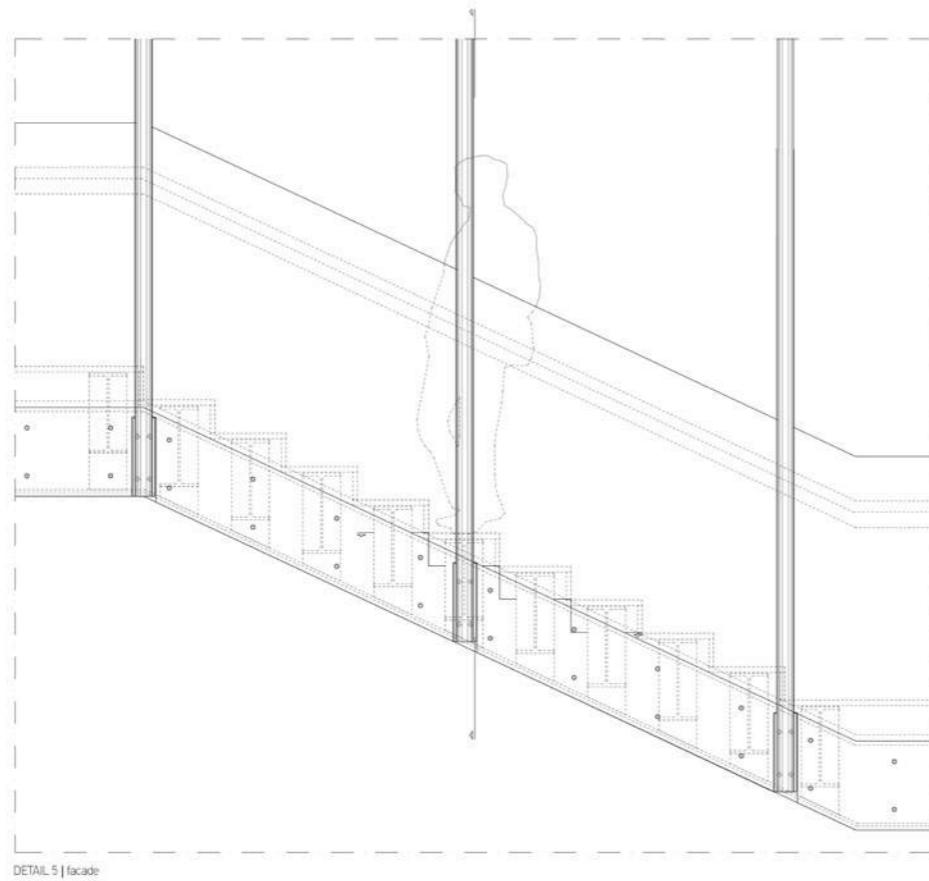
○ values

○ starting points

○ design

61

entrance staircase 1:10



○ values

○ starting points

○ design materials

