P5 presentation

GRENFELL TOWER MEMORIAL

Mourning & Reattachment

Architectural Design Crossovers

M.P. Lauri

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14 / 06 / 2017 in London

14 / 06 / 2017



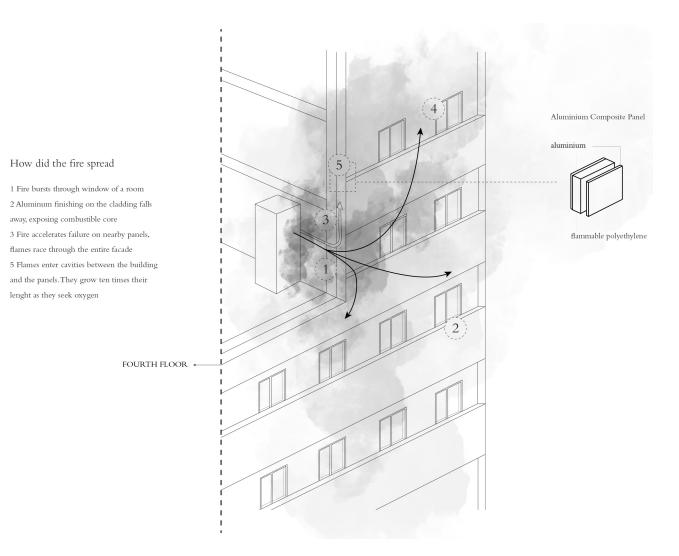
14 / 06 / 2017



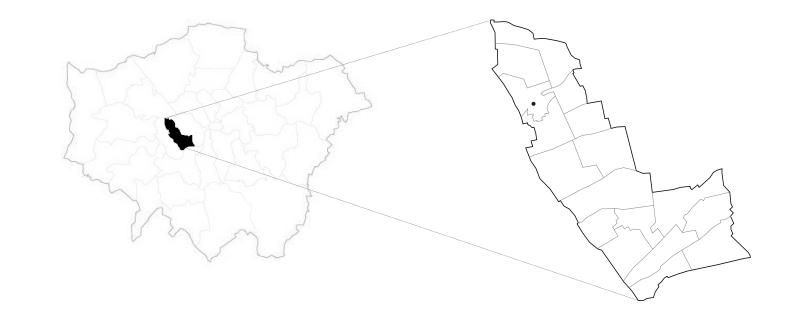




fire spread explanation

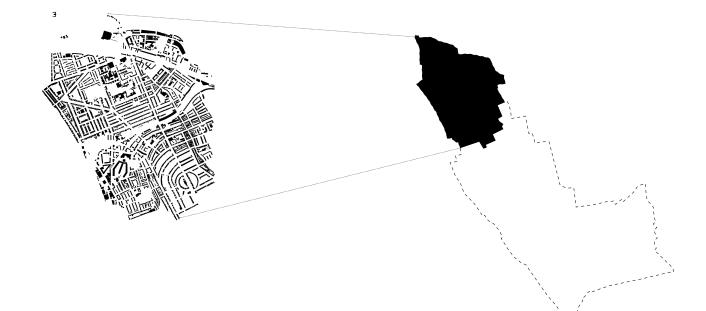


Location - Kensington & Chelsea



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Location - North Kensington



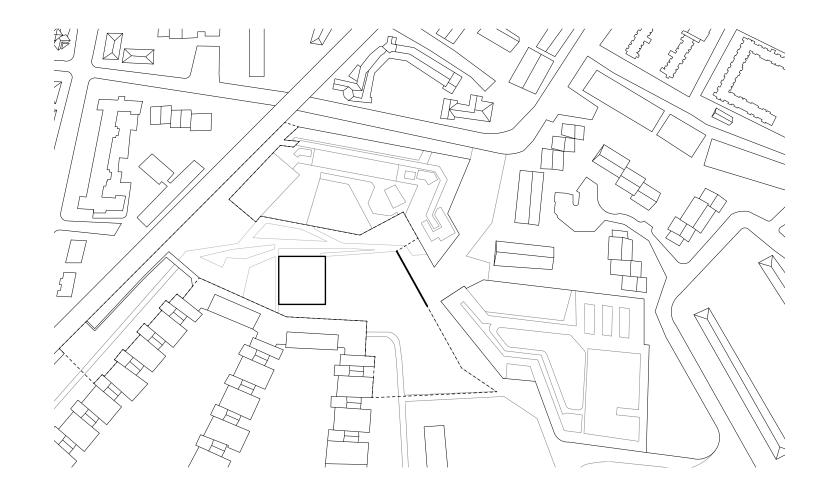
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site - before

site now? - elements that remain



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Grenfell

memorial wall

--- fenced off

site now







current memorial wall



"Grenfell Tower's shell will haunt the skyline until 2022."

- Dipesh Gadher & Caroline Wheeler in The Times, 2018

Grenfell initiatives - already taken

Political:

tightened fire safety regulations

leaseholders responsible for fire safety related bills (2021)

Social:

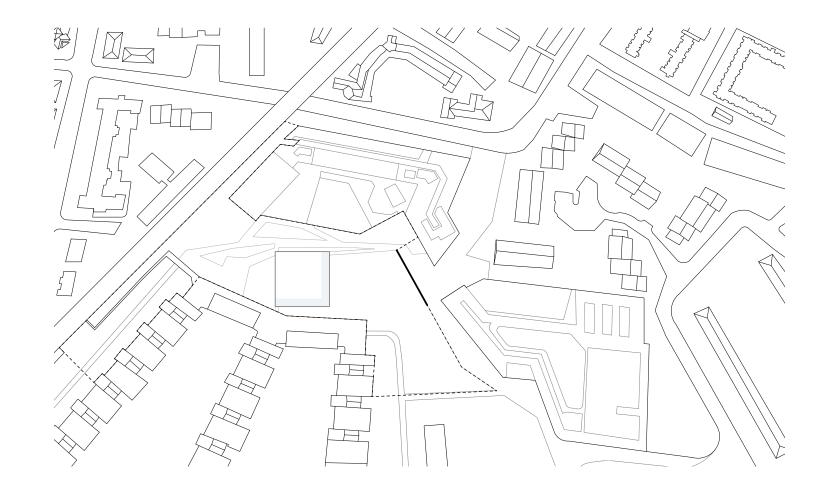
silent walk once a month

events on the anniversary

community support

Architectural: ?

demolition - 2022



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perimeter

demolition - change in the skyline



issues that remain

Architectural: ?

Social:

the Grenfell community still feels that nothing has changed

Material:

dangerous cladding used in Grenfell

Grenfell cladding



dangerous cladding on other buildings around London



"2 years after Grenfell this building is still covered in dangerous cladding."/ 2019

prologue





conflict zone



North Kensington 1889 / Poverty map



North Kensington 2021 / Deprivation map



 (\top)

Spatial analysis - imagined conflict zone



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Spatial analysis - non-crossable infrastucture



 (\top)

non-crossable infrastucture



rail

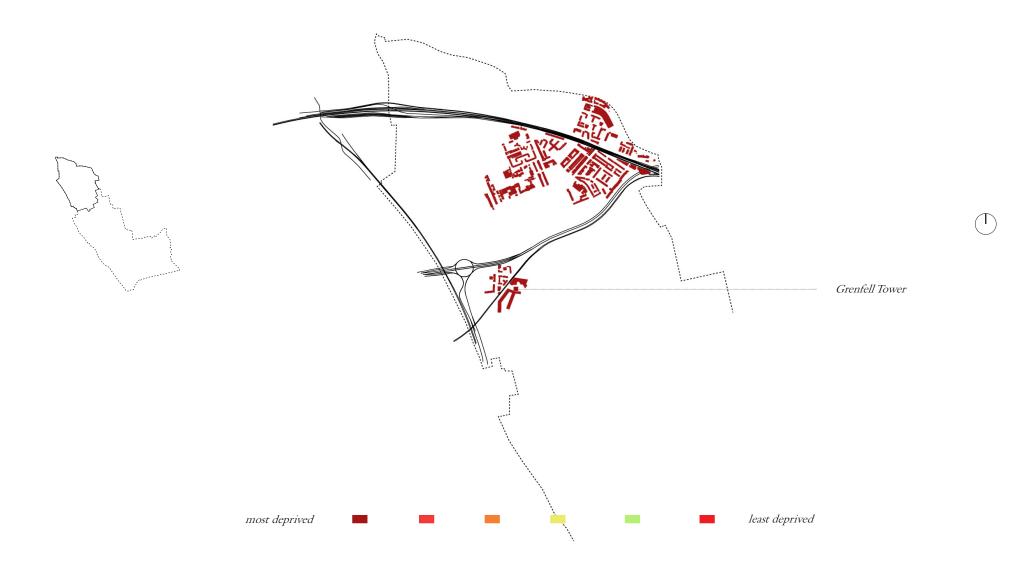
highway

Spatial analysis - isolated by infrastructure



 (\top)

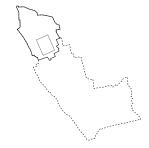
Spatial analysis - most deprived ('squeezed' by infrastructure)

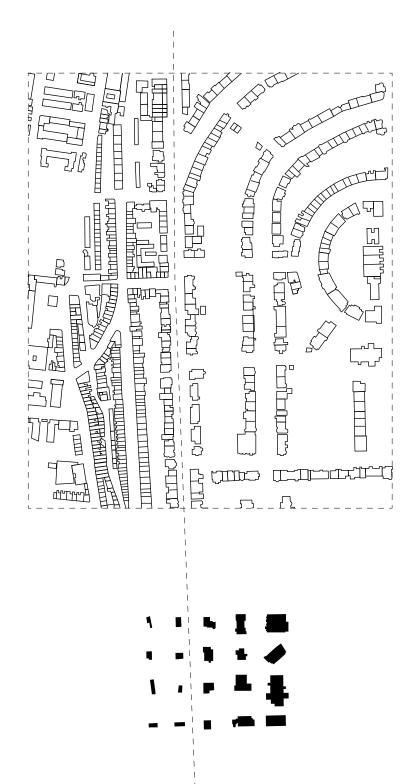


Division - from wealth gap to space gap



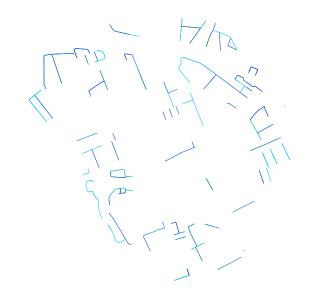






 $(\top$

Spatial analysis - Space Syntax vs. Deprivation

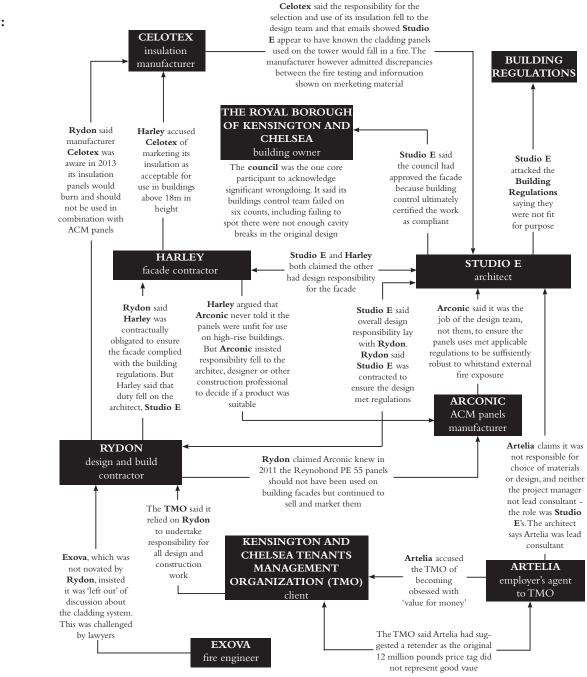








Social conflict



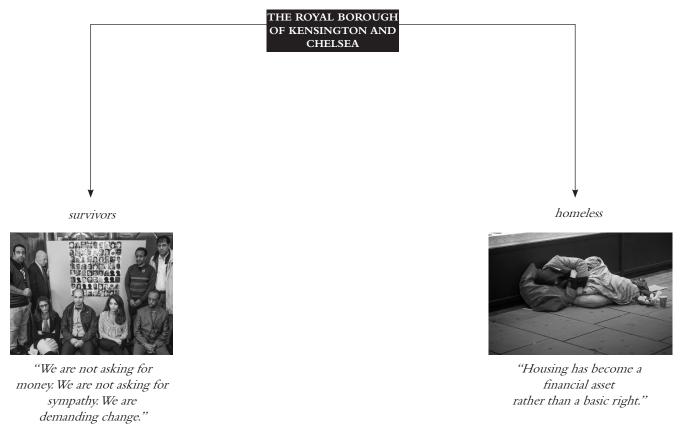
Grenfell Tower Inquiry: who's blaming who Grenfell Tower Inquiry: who's blaming who

THE ROYAL BOROUGH OF KENSINGTON AND CHELSEA building owner The council was the one core participant to acknowledge

significant wrongdoing. It said its buildings control team failed on six counts, including failing to spot there were not enough cavity breaks in the original design

> now responsible for all the housing within the Borough





memorial

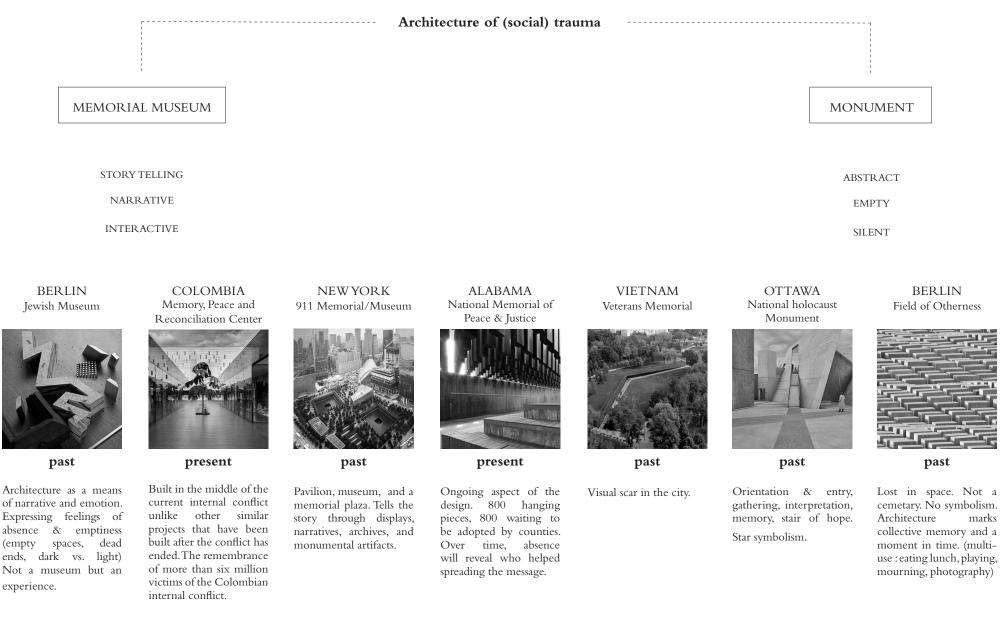
Architecture of (social) trauma

"We have a great need to memorialize."

"We need marks in history - something to bring us back to that moment."

"Memorial as a means to materialize intangible emotions - creating collective memories."

- Sabina Tanovic, Memory in Archtecture (2015)



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Daniel Libeskind

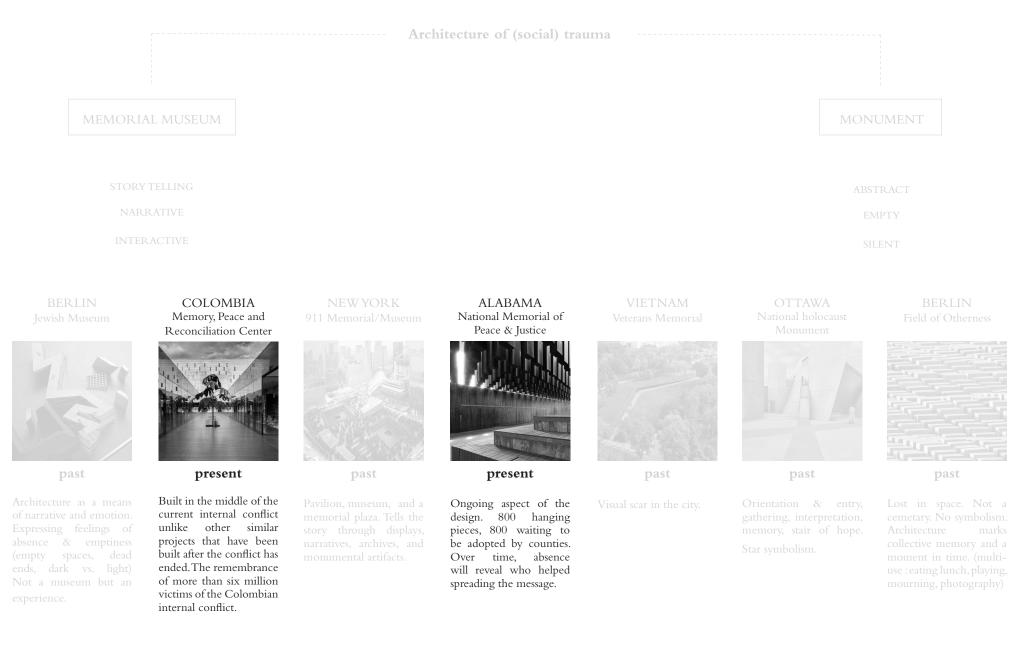
Juan Pablo Ortiz Arquitectos

Michael Arad Peter Walker MASS

Maya Lin

Daniel Libeskind

Peter Eisenman



Daniel Libeskind

Juan Pablo Ortiz Arquit

Mic

el Arad

MASS

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Daniel

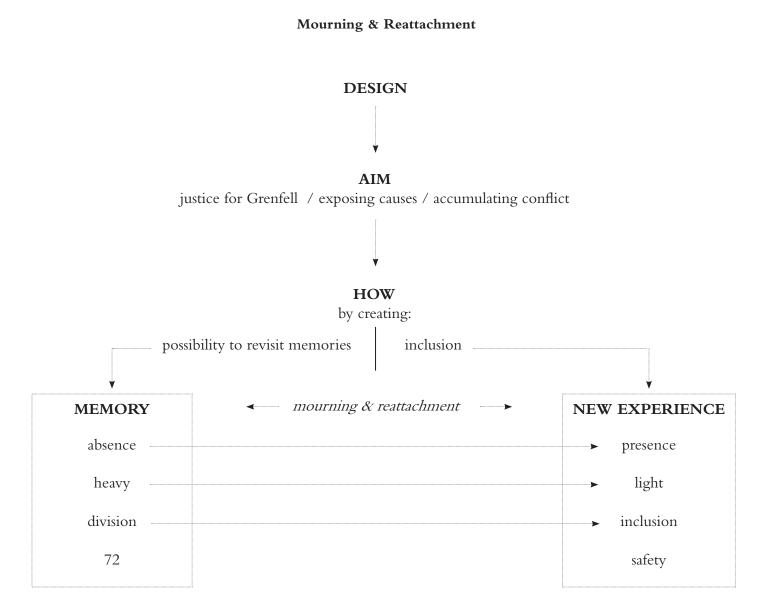
Peter Eise

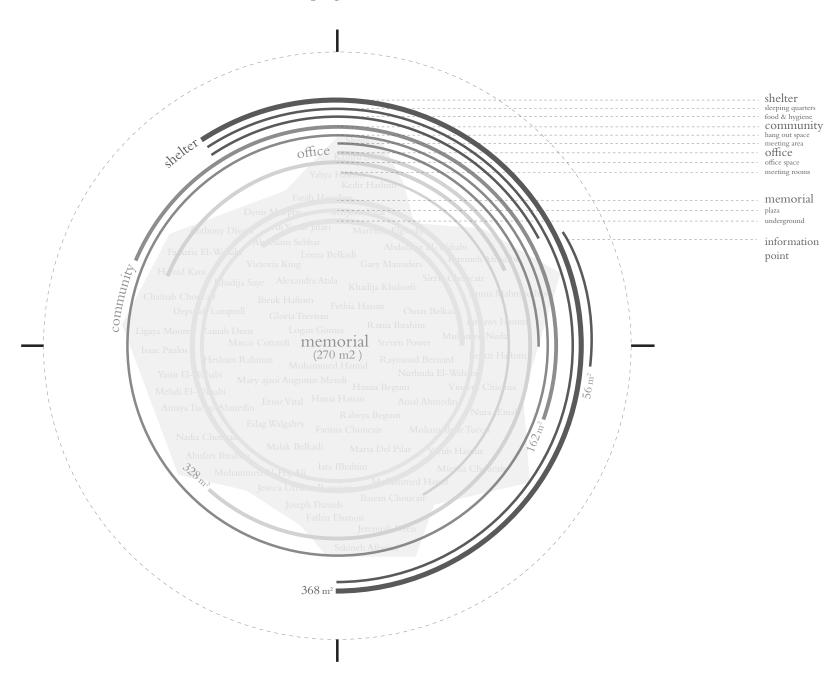
clues from psychology

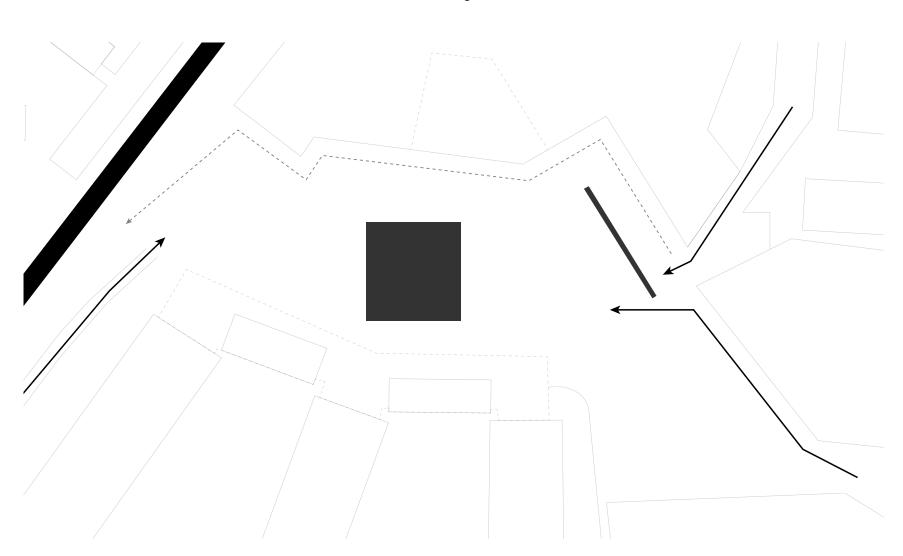
In psychology, Peter Homans describes the trajectory of loss as follows:

attachment - loss - grieving - mourning - reattachment					
1		2 3	6 4	F E	5
		20	21		

Peter Homans, Symbolic Loss: the Ambiguity of Mourning and Memory at Century's End (2000)

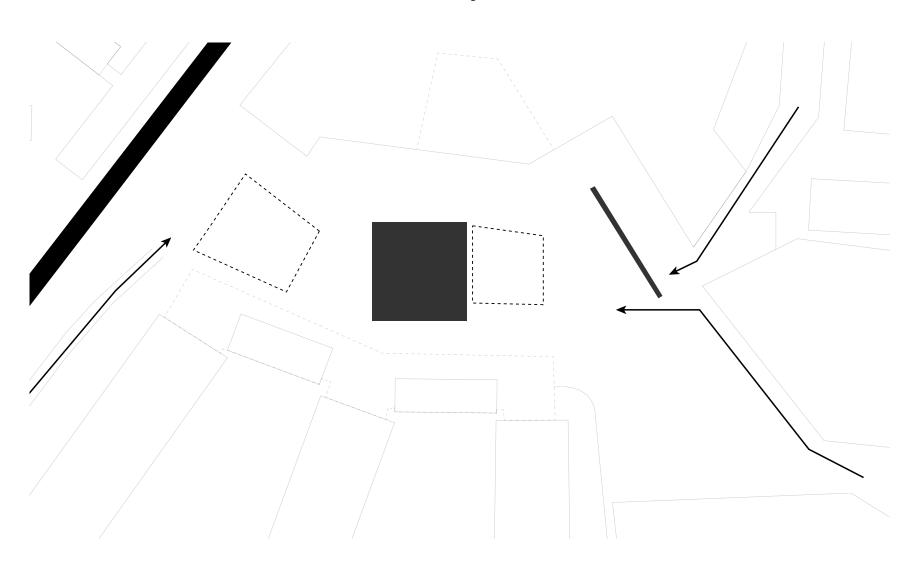




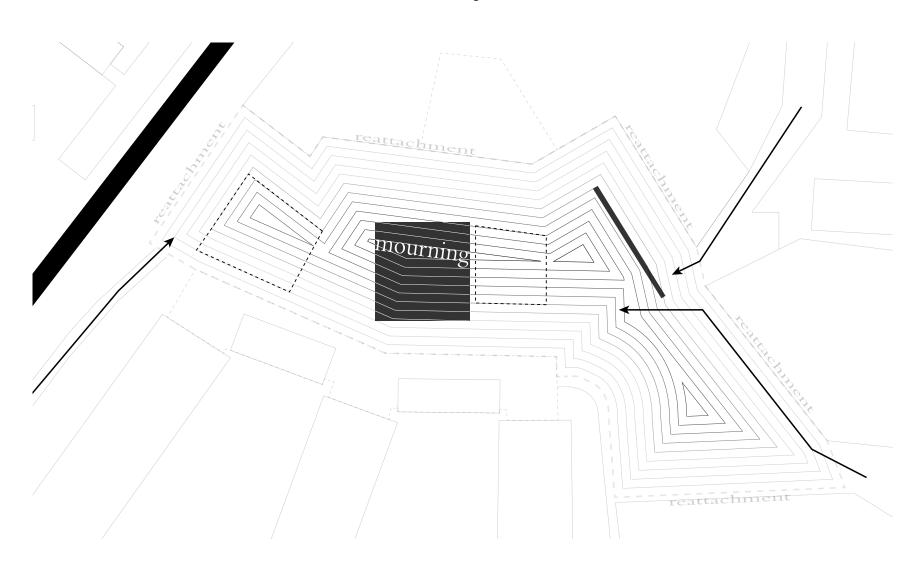


approach

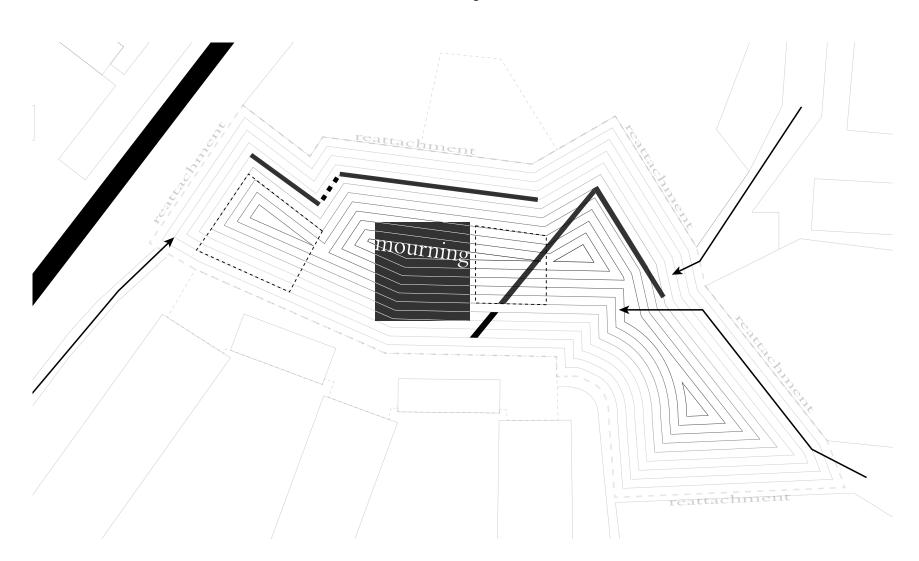
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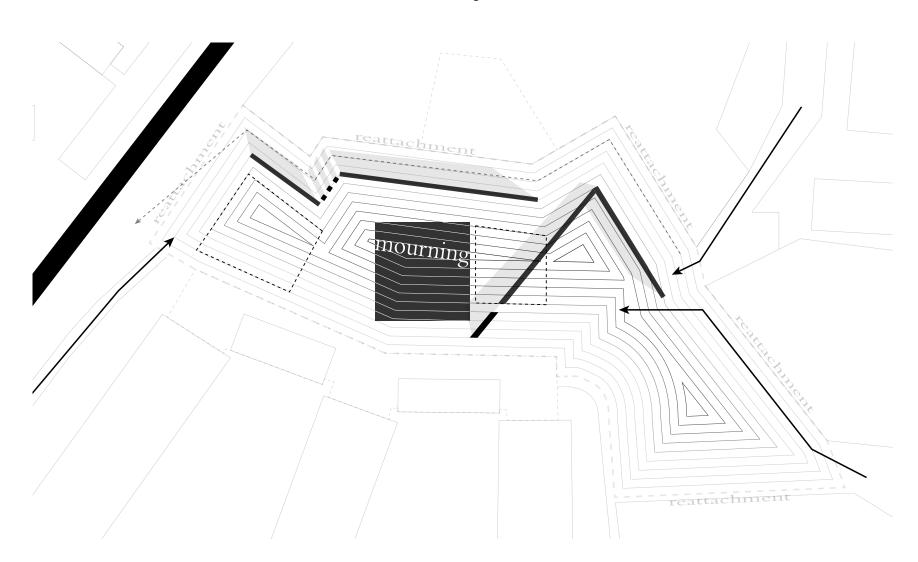




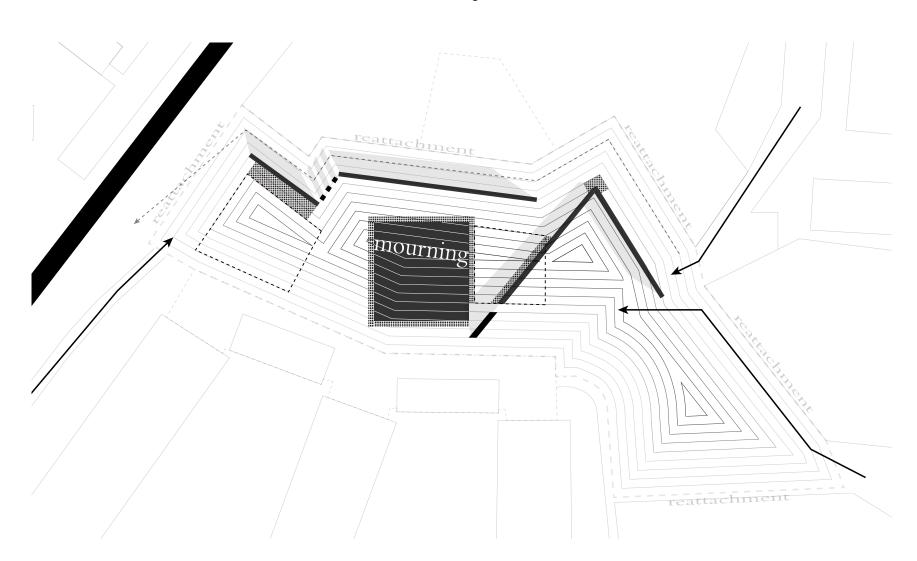


gradient



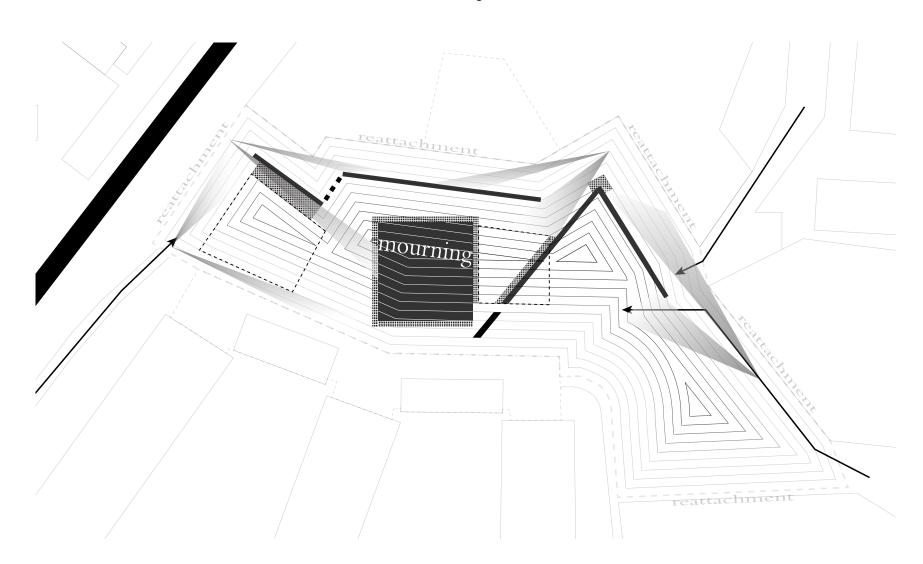


shadows



tension

49



view lines

50

experience

experience 1 / approach



experience 1 / panels



Aluminium composite panel with a flammable polyethylene core was implemented on the Grenfell Tower's facade during its refurbishment in 2016.

This dangerous material is still on the facades of numerous buildings around London.

The process of taking them down will be displayed here.

experience 2 / new functions

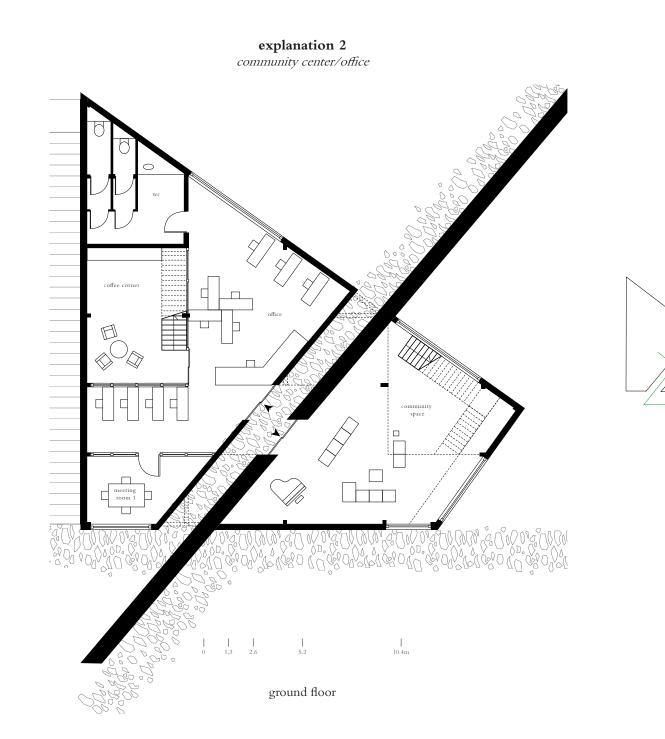


Shou Sugi Ban

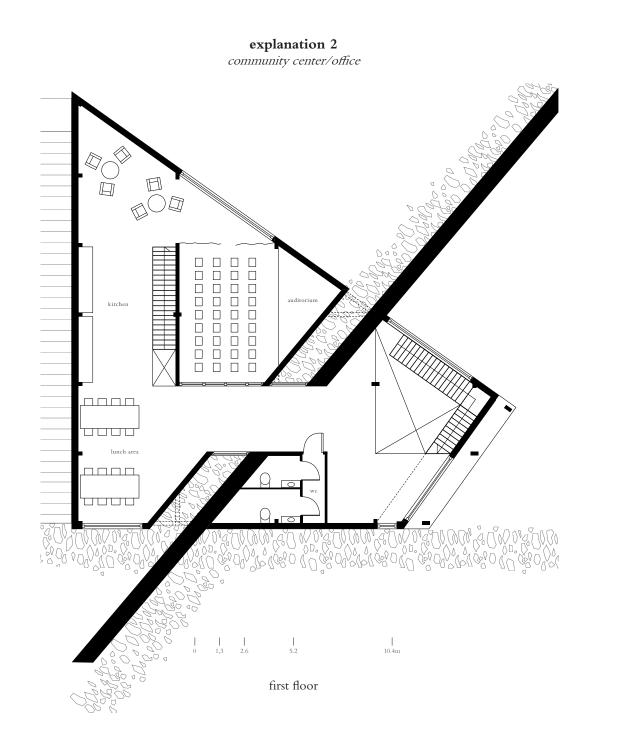


experience 3 / interior





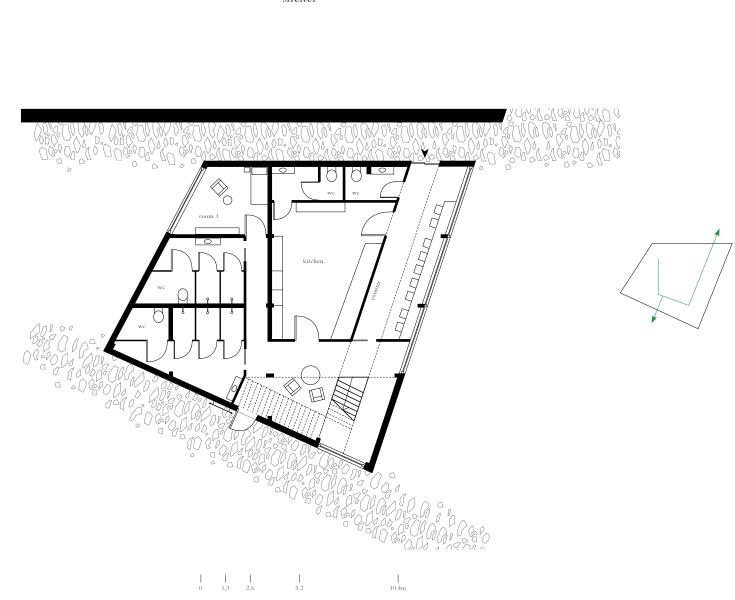
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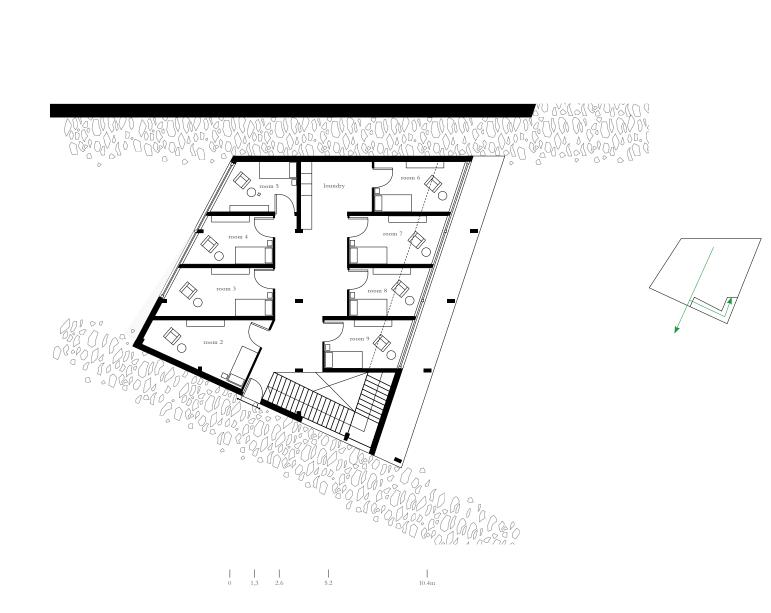
experience 3 / interior





ground floor

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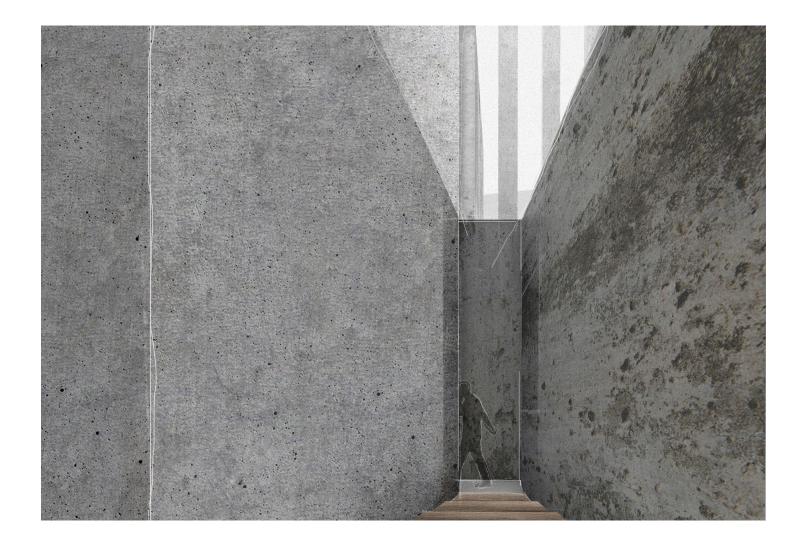


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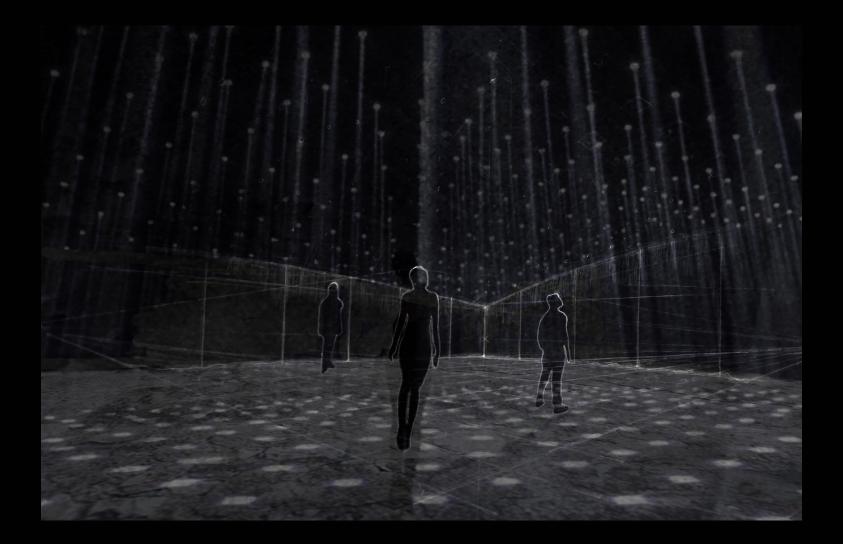
experience 4 / memorial



experience 4 / memorial

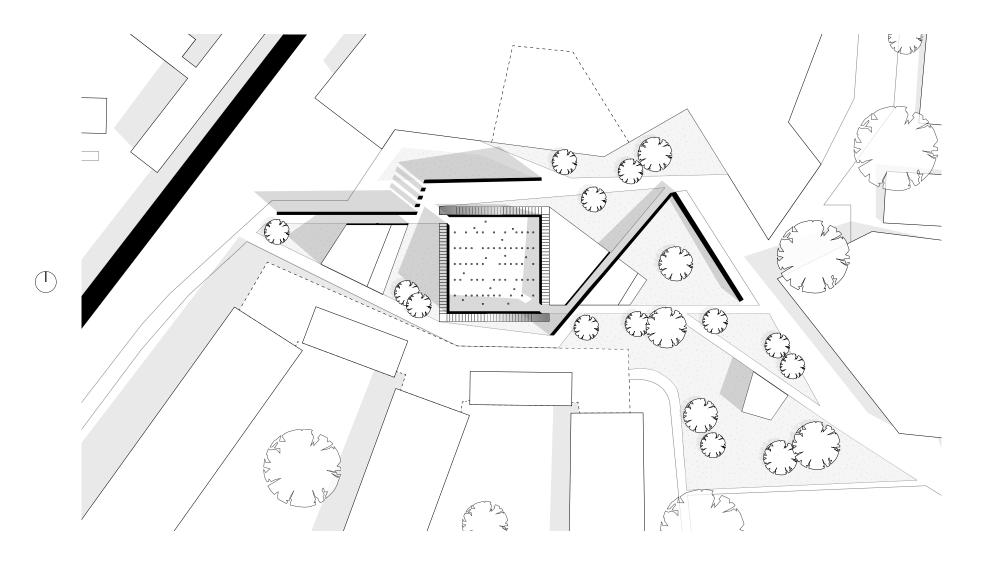


experience 4 / memorial



underground

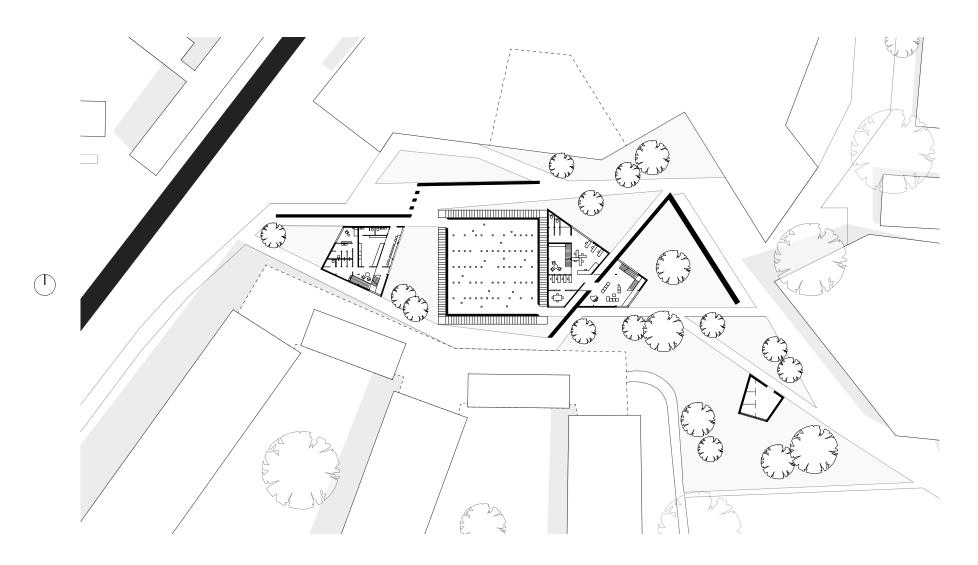
Masterplan



 I
 I
 I
 I

 0
 6.25
 12.5
 25
 50m

ground floor total



 I
 I
 I
 I

 0
 6.25
 12.5
 25
 50m

elevations

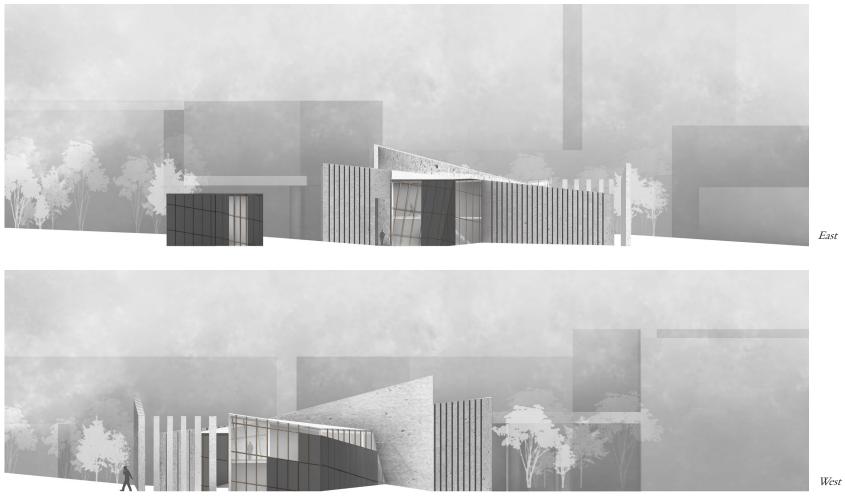


North



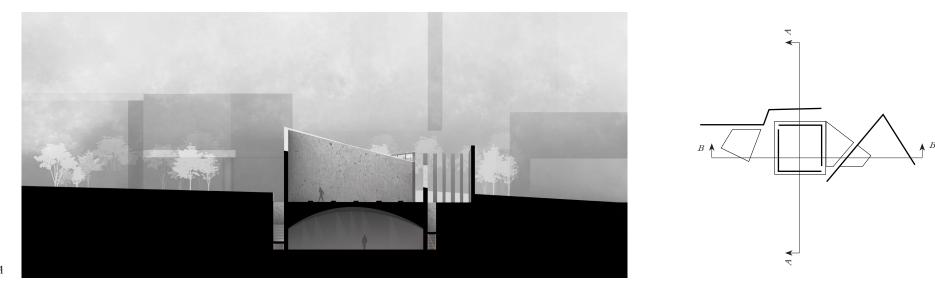
South

elevations

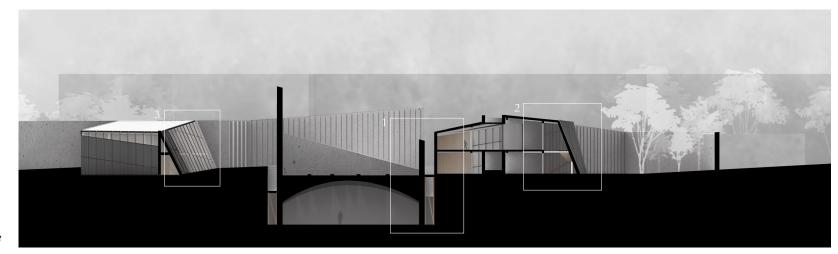


East

site sections





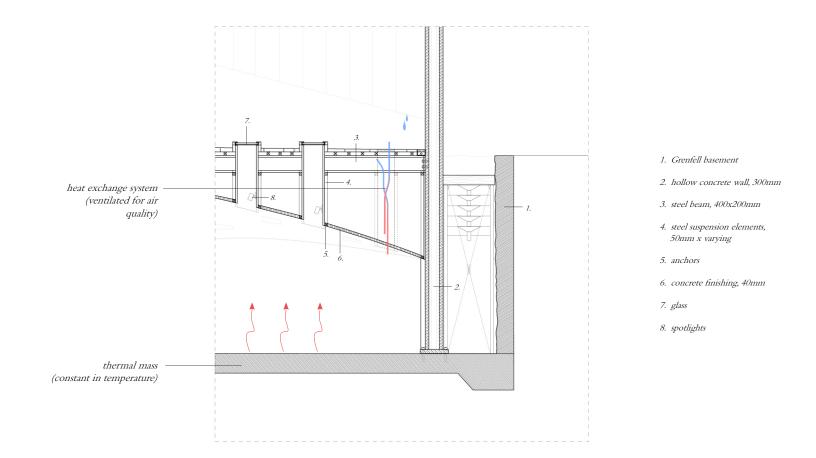


section BB

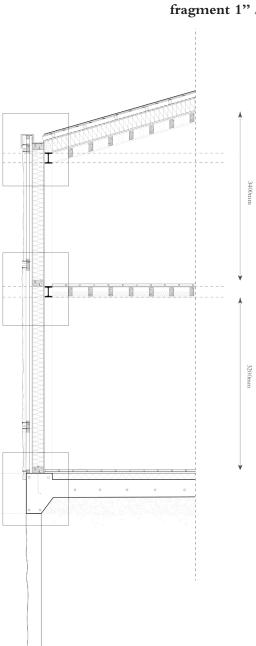
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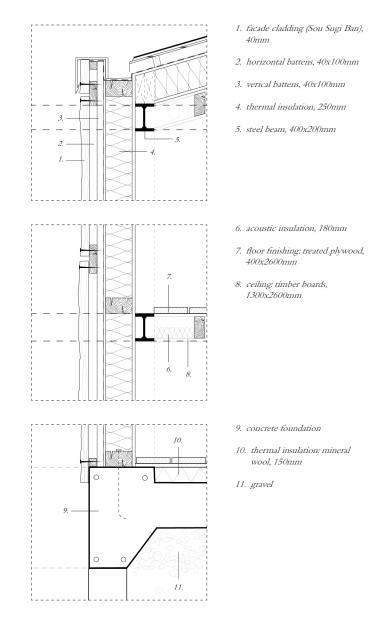
fragment 1

fragment 1' / underground climate

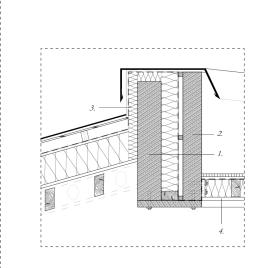








concrete wall / cutting the structure



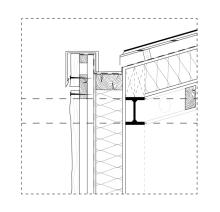


1. concrete wall: structural, 300mm

2. concrete finishing, 150mm

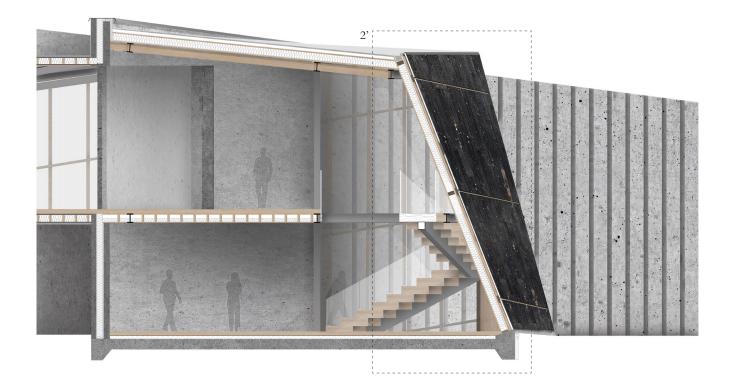
3. thermal insulation, 80mm

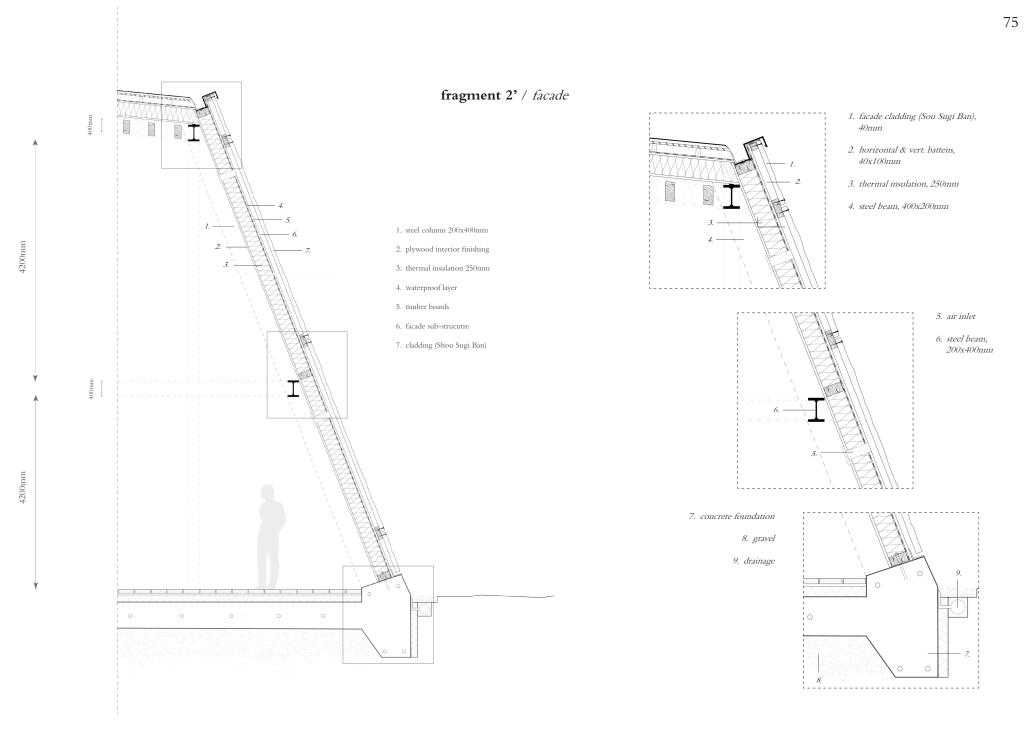
4. steel beam, 200x400mm with insulation inside

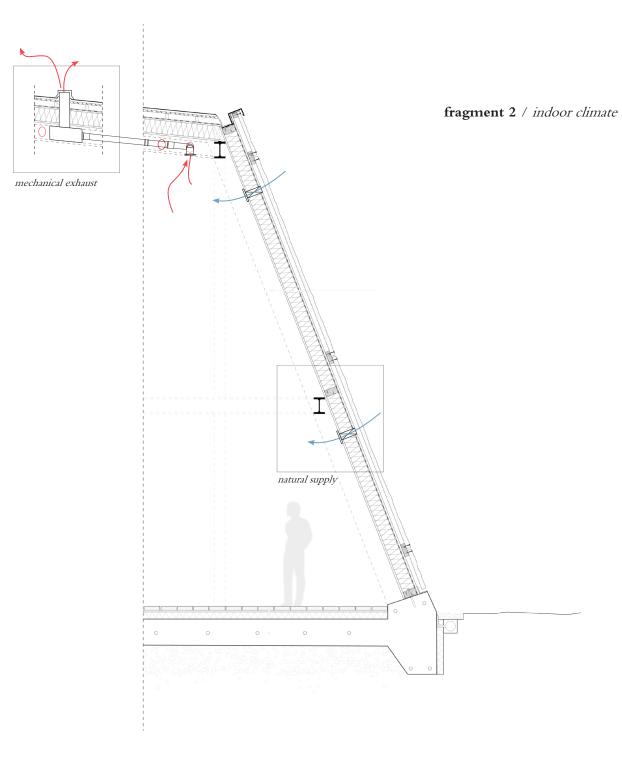


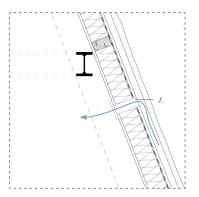
timber facade- ceiling

fragment 2

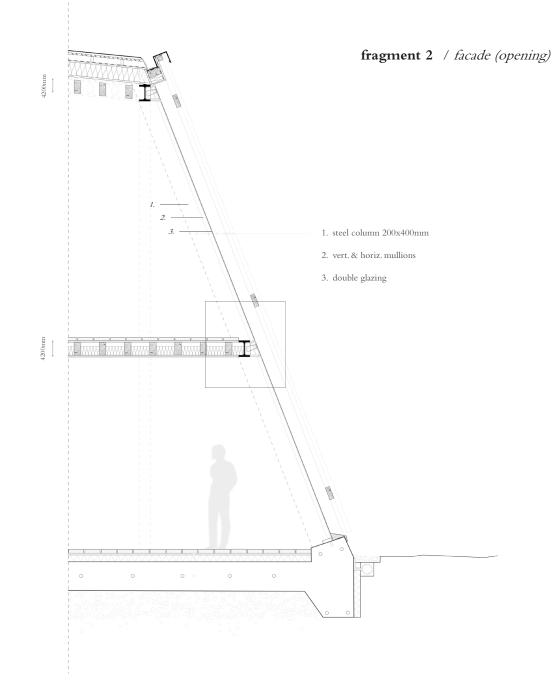






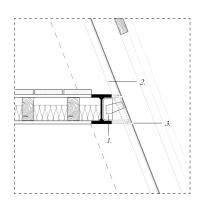


1. air inlet: controlled amount of air coming in



 $4200 \mathrm{mm}$

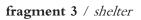
 $3400 \mathrm{mm}$

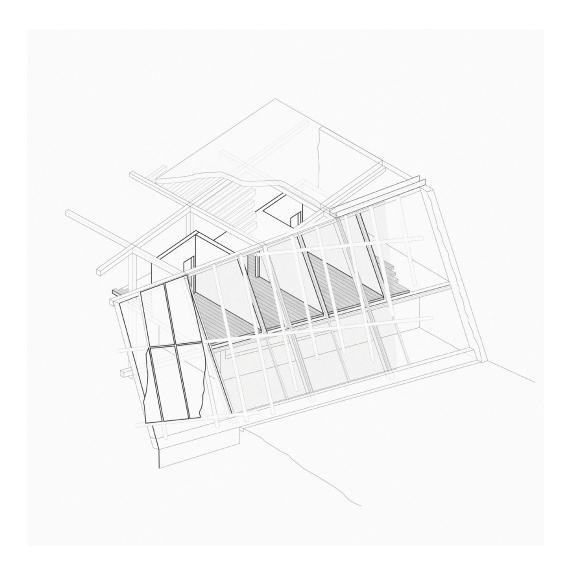


1. welded connection

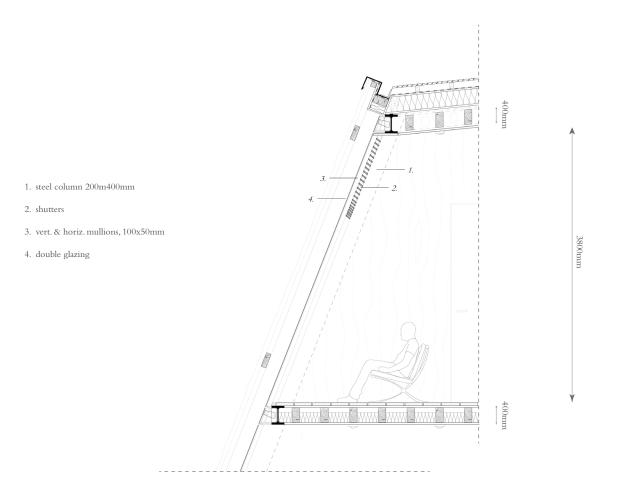
2. curtain wall

3. anchors

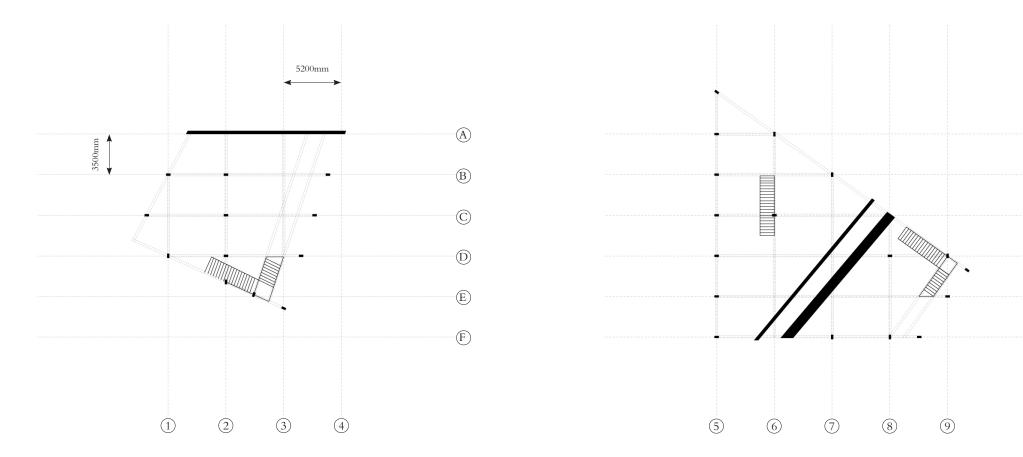




fragment 3 / facade



structural grid / Grenfell grid



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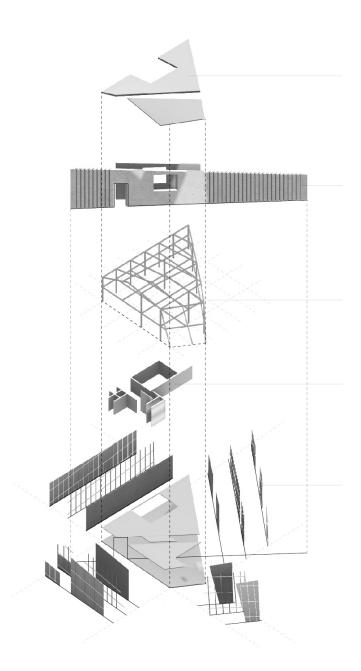
B

C

D

E

F



roof(6)concrete wall (structural)(2)steel structure(3)interior walls (timber)(4)facade composition
- sandwich panel(5)- sub-structure
- cladding (Shou Sugi Ban)
- curtain wall (openings)(7)foundation(1)

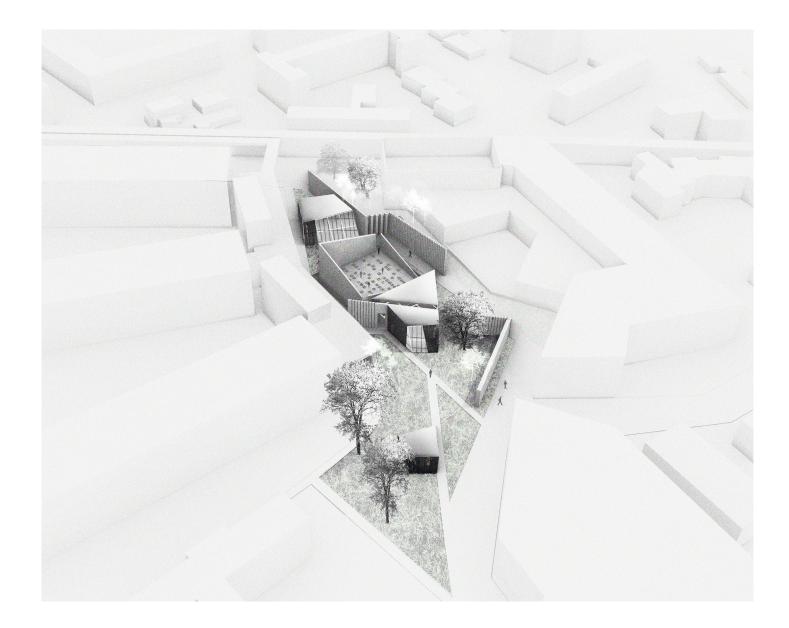
construction / *building order*

system fragment





overview



Thank you !