



City Monastery Rotterdam

A place amidst the ever-crowded city that can offer moments of rest and room for contemplation

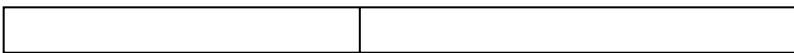
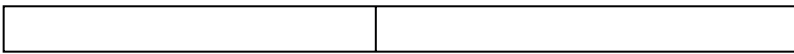
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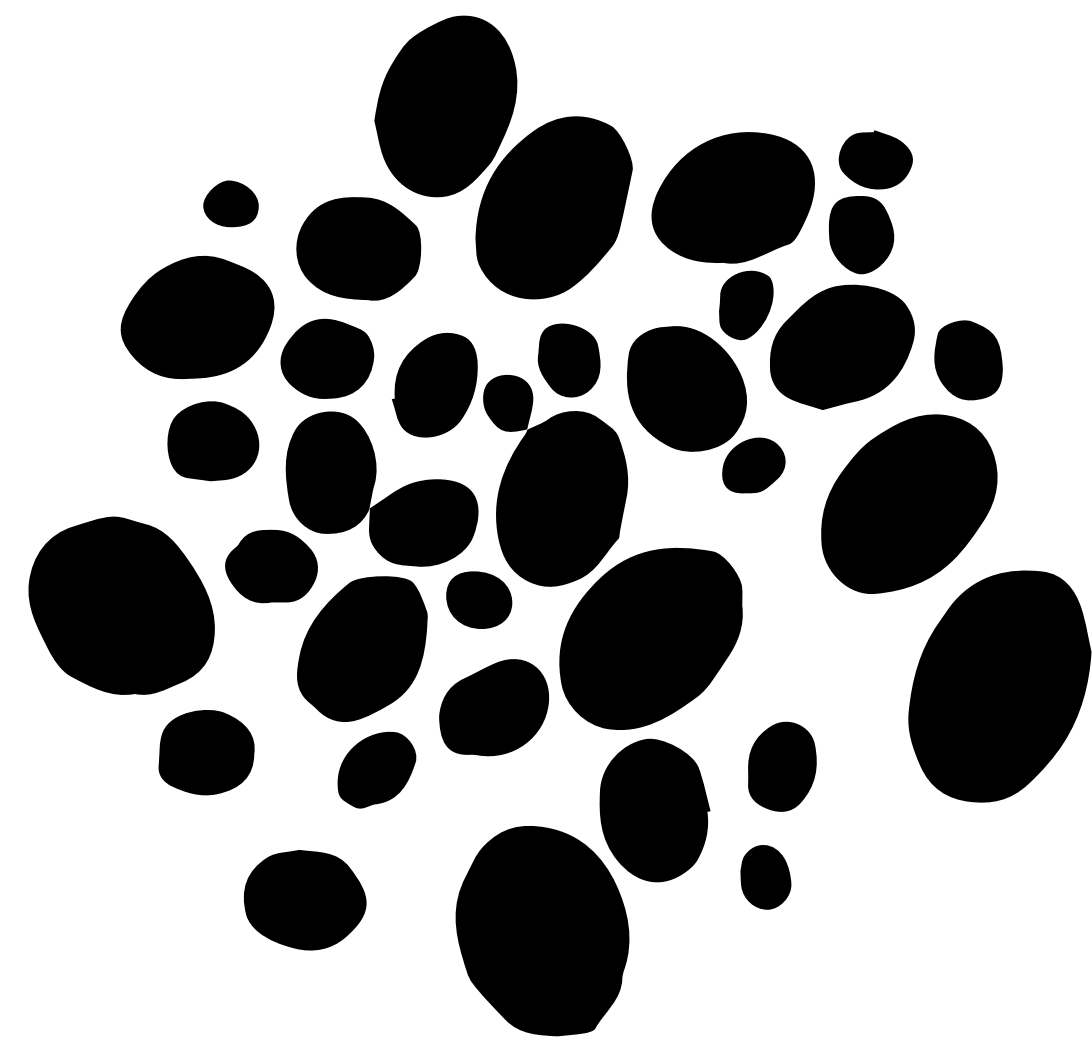
P5 presentation - Joppe Douma
28 - 06 - 2018





When do we clearly distinguish unequal parts?

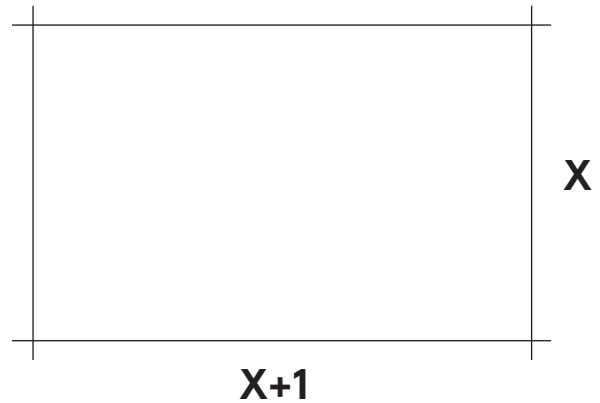
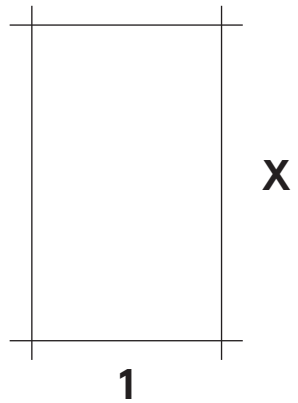




Golden ratio

$1:X = X:(X+1)$

$X = 0,618$ of $X = 1,618$



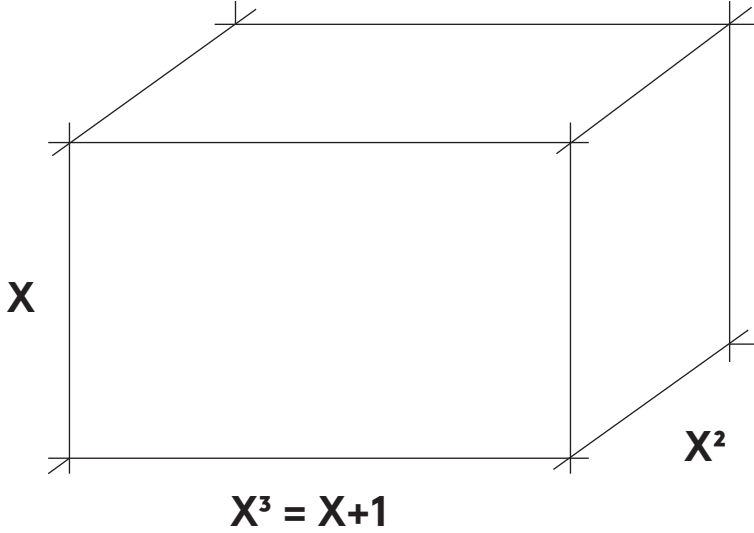
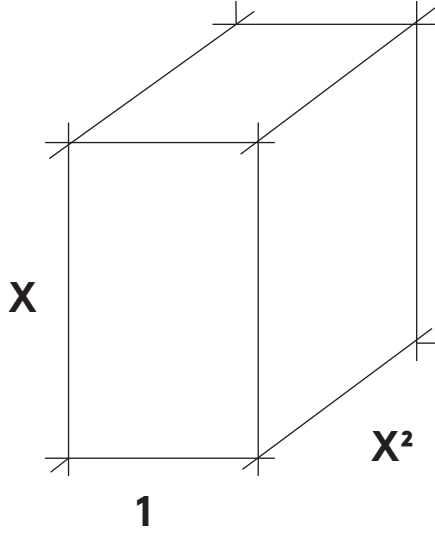
Plastic number

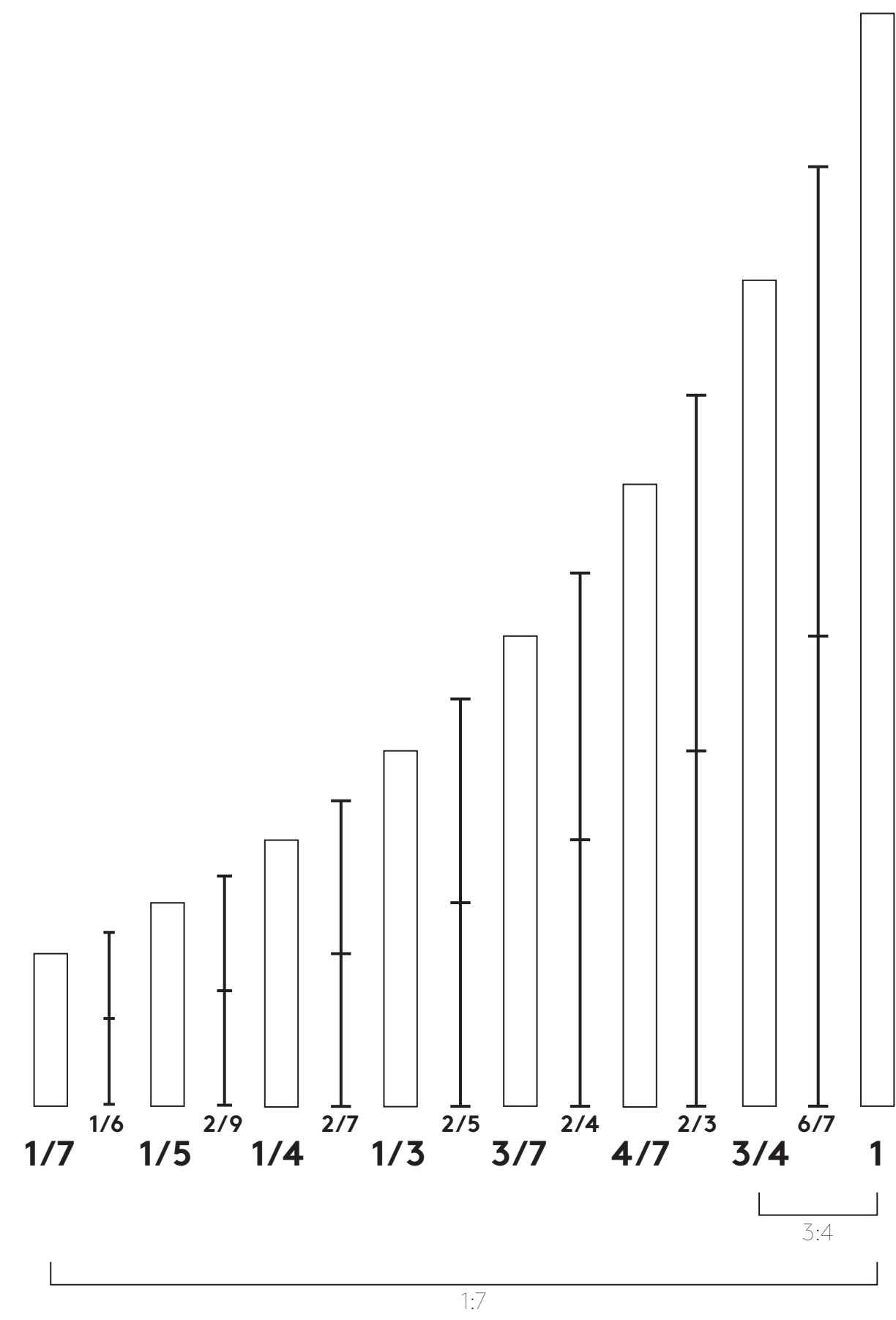
$1:X = X:X^2 = X^2:(X+1)$

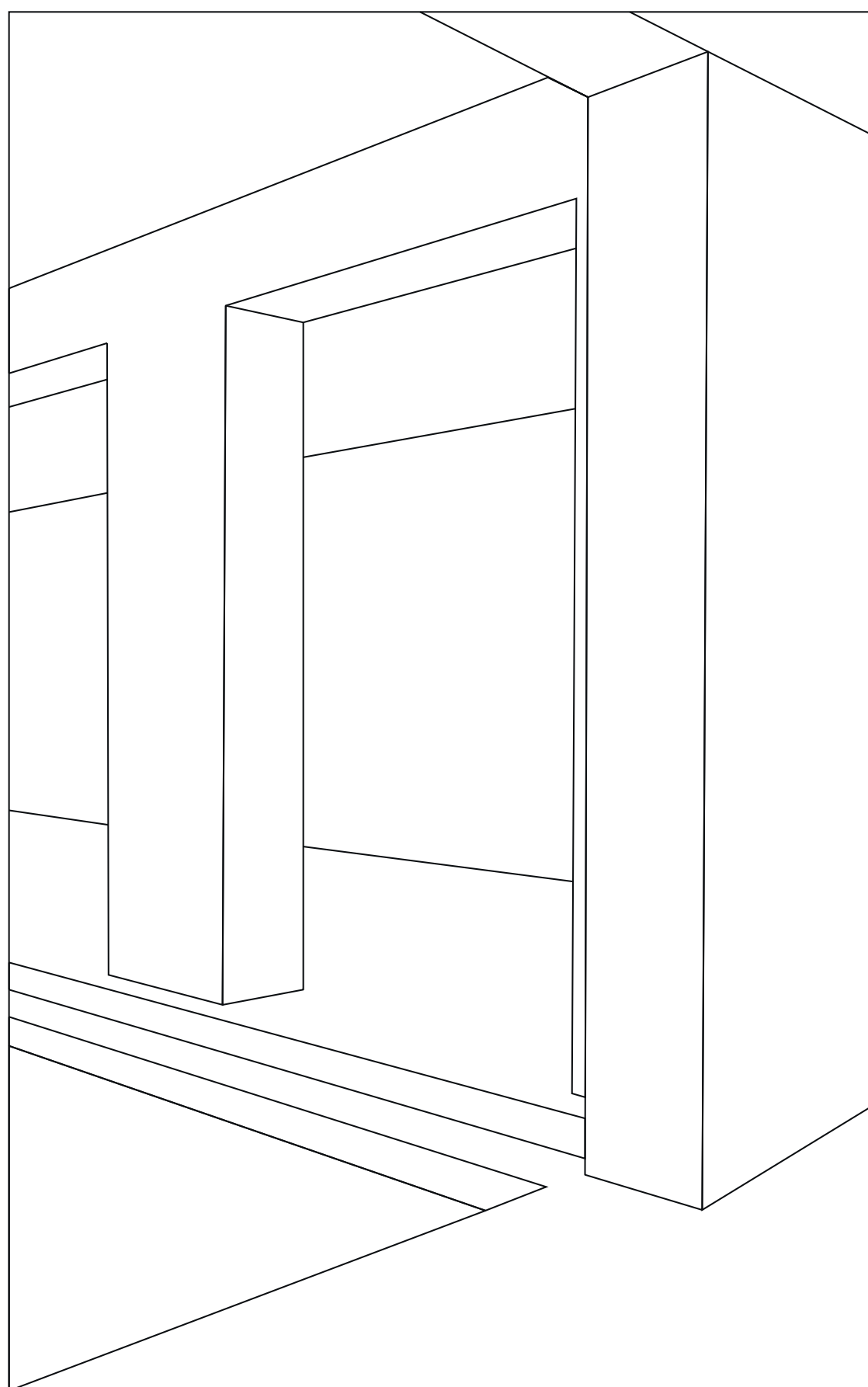
$X = 0,755$ of $X = 1,325$



3:4 of 4:3







lessons on the theory of Dom Hans van der Laan

10 lessons

1. ground ratio - the plastic number

2. measuring system

3. mass and space - nearness

4. from inside to outside - cell, court & domain

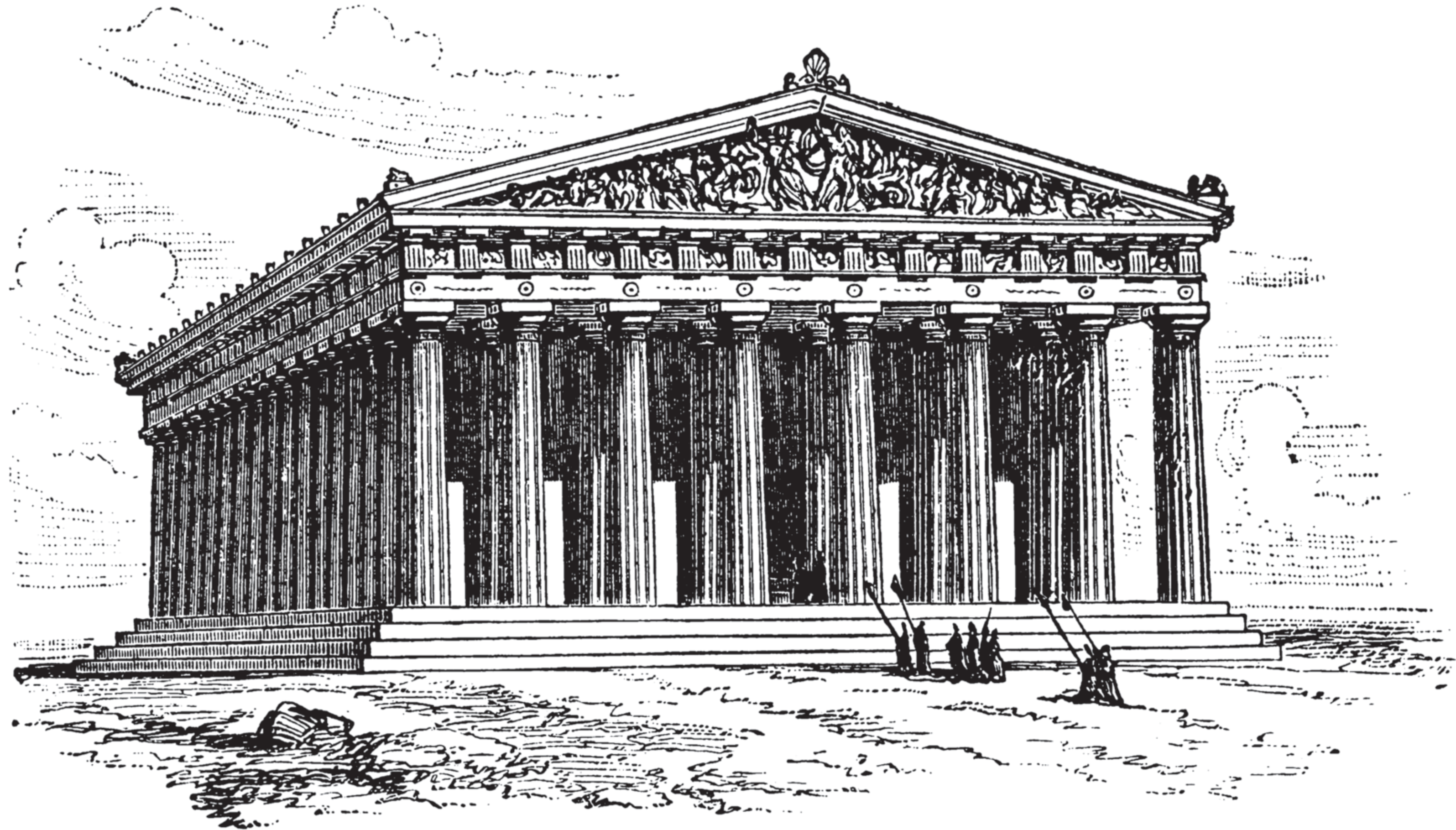
5. the wall
6. symmetry and eurythmy

7. superposition and juxtaposition

8. open and closed - windows and column-spacings

9. tools - abacus, thematismos and the form-bank

10. material, light and color





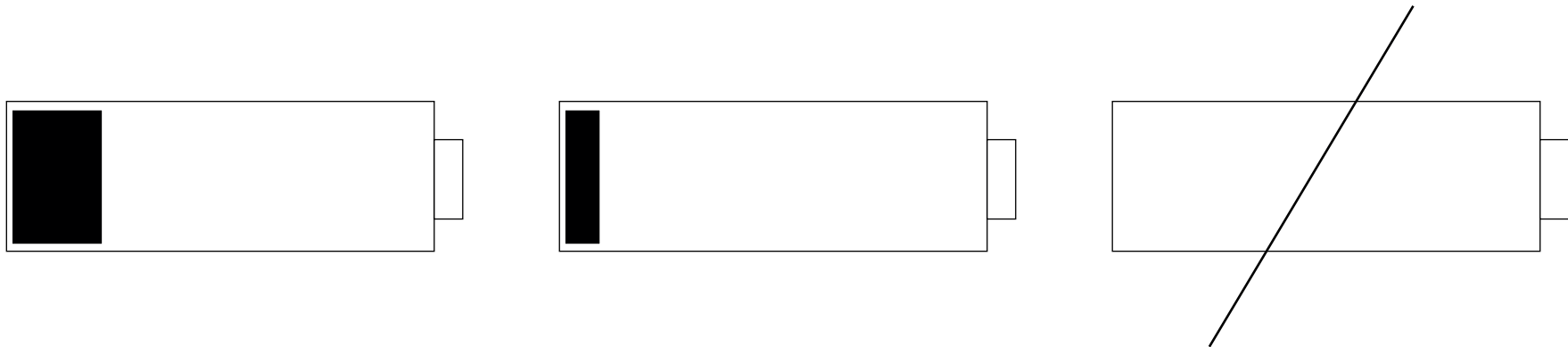
$\frac{7}{2513}$		$\frac{9}{3329}$		$\frac{12}{4410}$		$\frac{16}{5843}$		$\frac{21}{7739}$		$\frac{28}{10252}$		$\frac{35}{13581}$		$\frac{49}{17991}$
	$\frac{2864}{8}$		$\frac{3794}{10}$		$\frac{5026}{14}$		$\frac{6658}{18}$		$\frac{8817}{24}$		$\frac{11684}{32}$		$\frac{15478}{42}$	
$\frac{1}{351}$		$\frac{4/3}{465}$		$\frac{7/4}{616}$		$\frac{7/3}{816}$		$\frac{3}{1081}$		$\frac{4}{1432}$		$\frac{5^{1/3}}{1897}$		$\frac{7}{2513}$
	$\frac{400}{4/6}$		$\frac{530}{3/2}$		$\frac{702}{2}$		$\frac{930}{5/2}$		$\frac{1232}{7/2}$		$\frac{1632}{9/2}$		$\frac{2162}{6}$	
$\frac{1/7}{49}$		$\frac{1/5^{1/3}}{65}$		$\frac{1/4}{86}$		$\frac{1/3}{114}$		$\frac{3/7}{151}$		$\frac{4/7}{200}$		$\frac{3/4}{265}$		$\frac{1}{351}$
	$\frac{56}{1/6}$		$\frac{74}{2/9}$		$\frac{98}{2/7}$		$\frac{130}{2/5}$		$\frac{172}{2/4}$		$\frac{228}{2/3}$		$\frac{302}{6/7}$	
$\frac{1/49}{7}$		$\frac{1/35}{9}$		$\frac{1/28}{12}$		$\frac{1/21}{16}$		$\frac{1/16}{21}$		$\frac{1/12}{28}$		$\frac{1/9}{37}$		$\frac{1/7}{49}$
	$\frac{8}{1/42}$		$\frac{10,5}{1/32}$		$\frac{14}{1/24}$		$\frac{18}{1/18}$		$\frac{24}{1/14}$		$\frac{32}{1/10}$		$\frac{42}{1/8}$	

Towards the design



The burnout generation

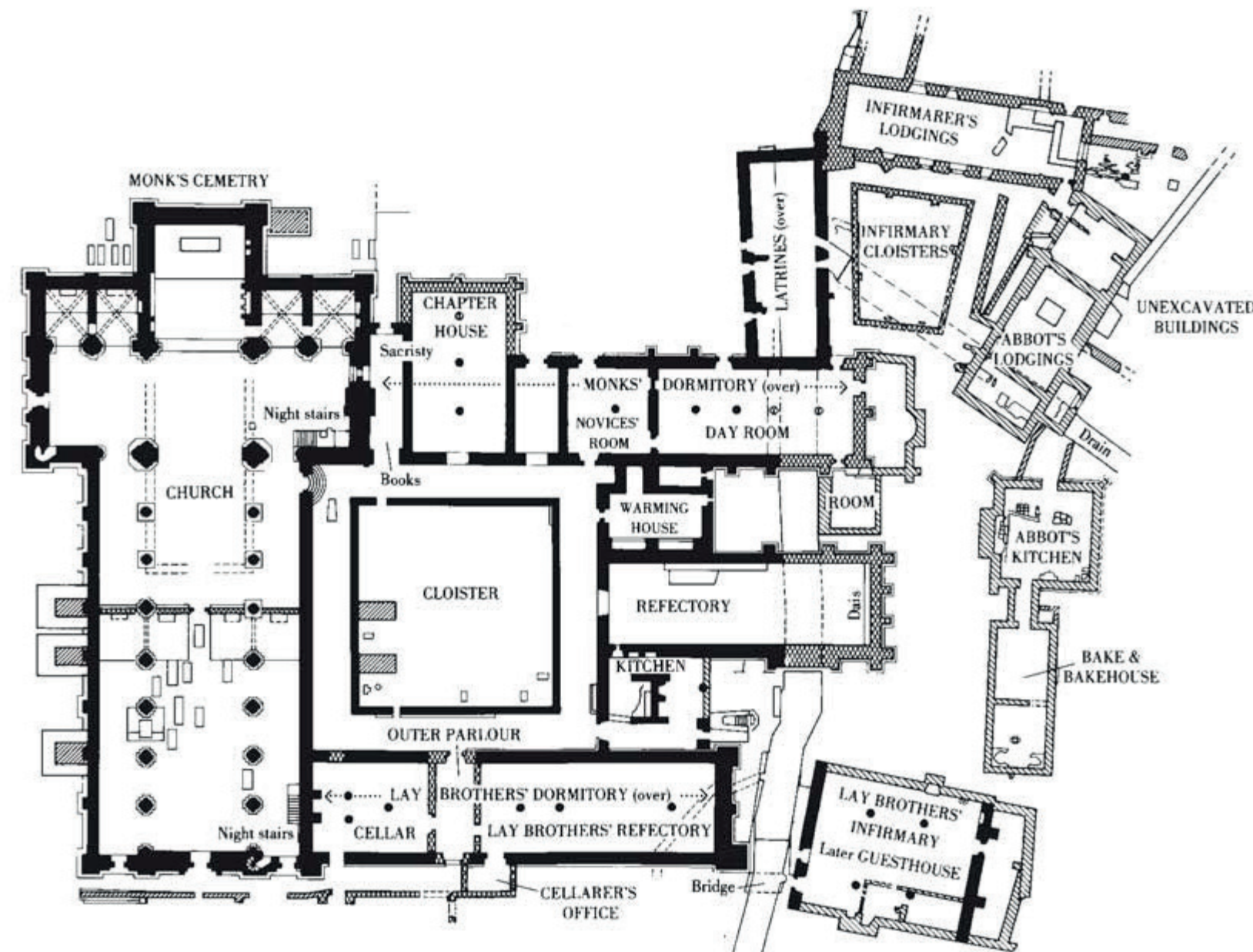
“I don’t think that any other generation has felt pulled in as many different directions as we have and that’s the flipside to opportunity. I think the expectations that we have placed on ourselves are broader and more unachievable than they ever have been before.”



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monastery typology



the chapel



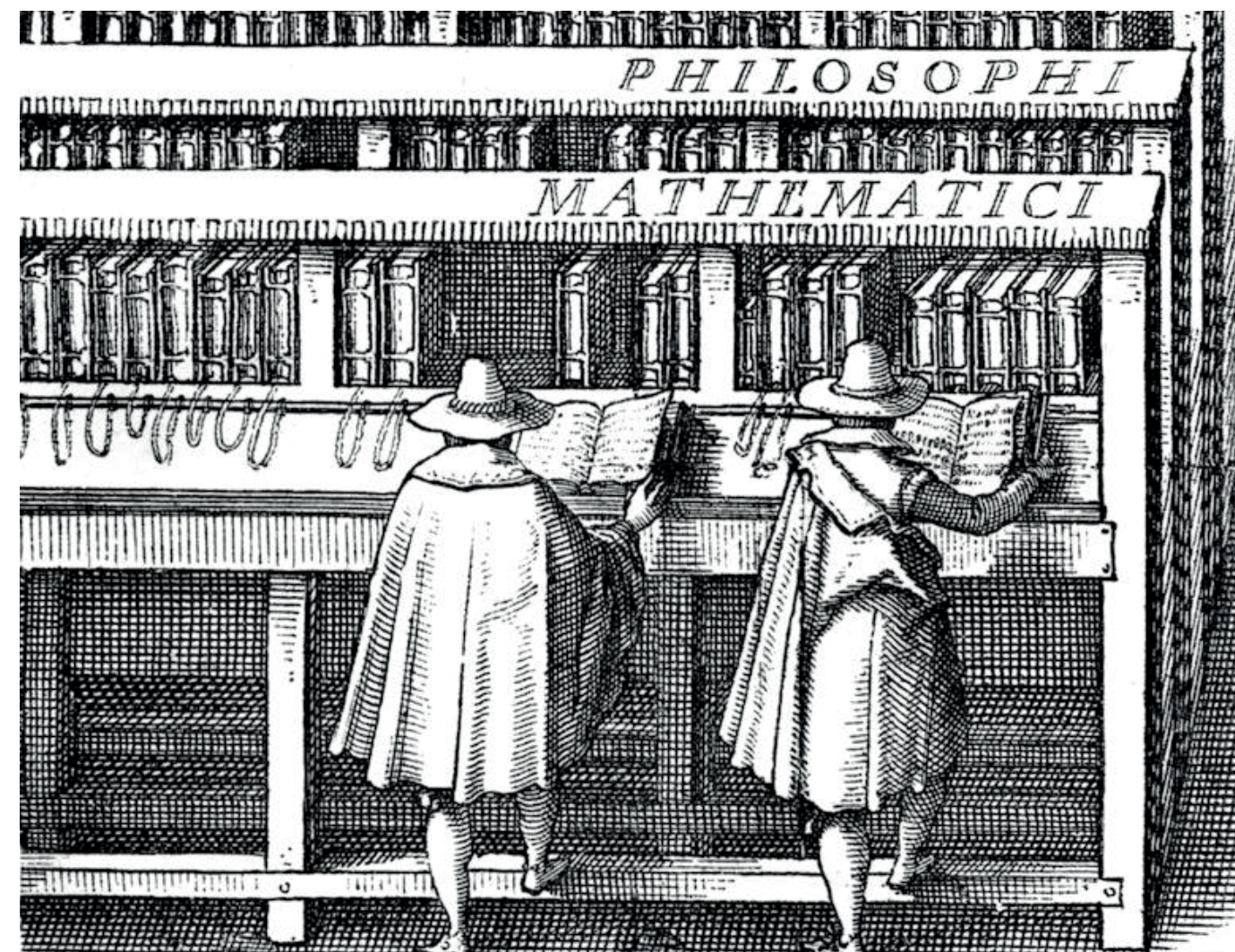
“a place for meeting and being”

the refectory



“a place for eating”

the library



“a place to read and learn”

the scriptorium



“a place for craft”

the enclosed garden

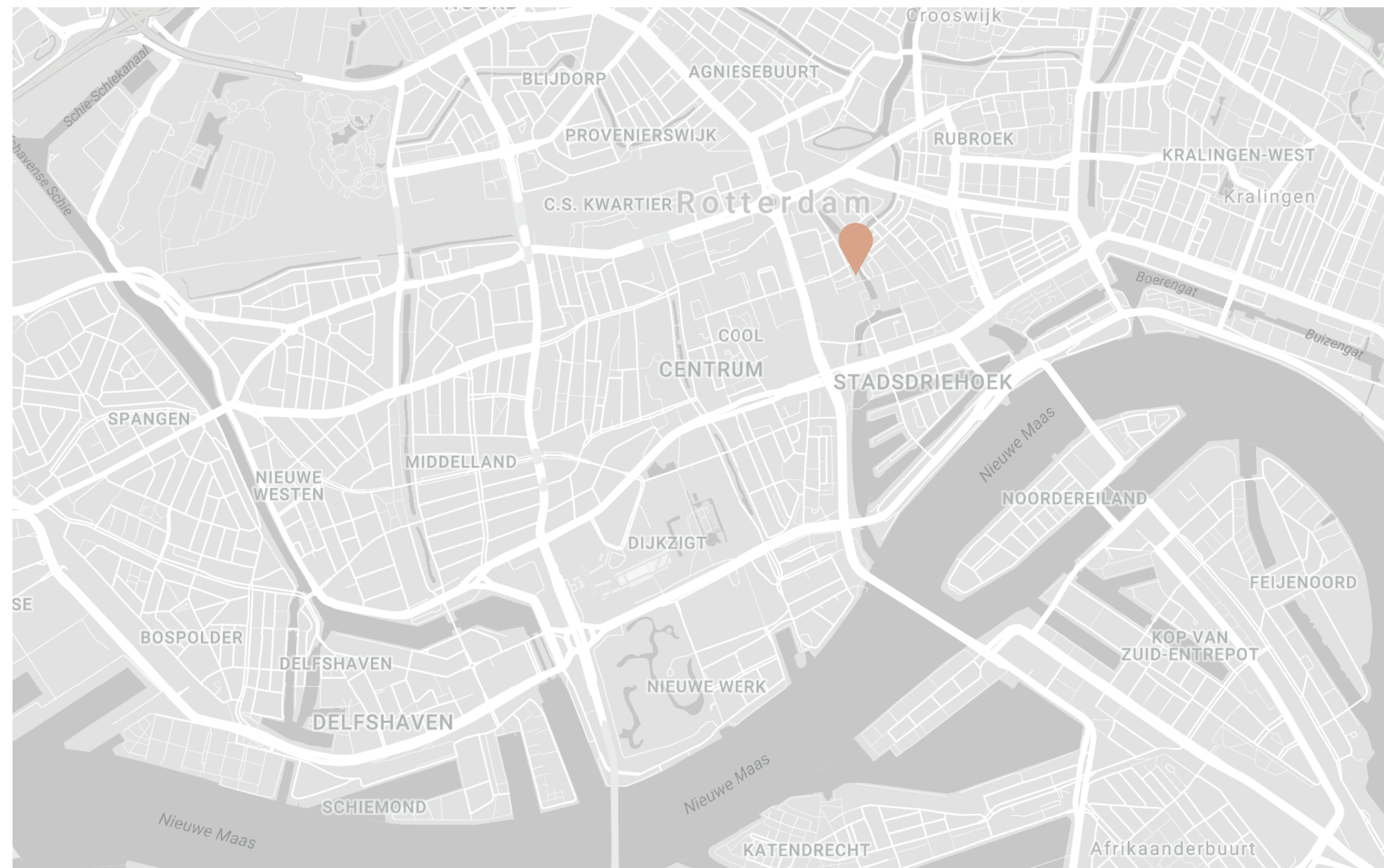


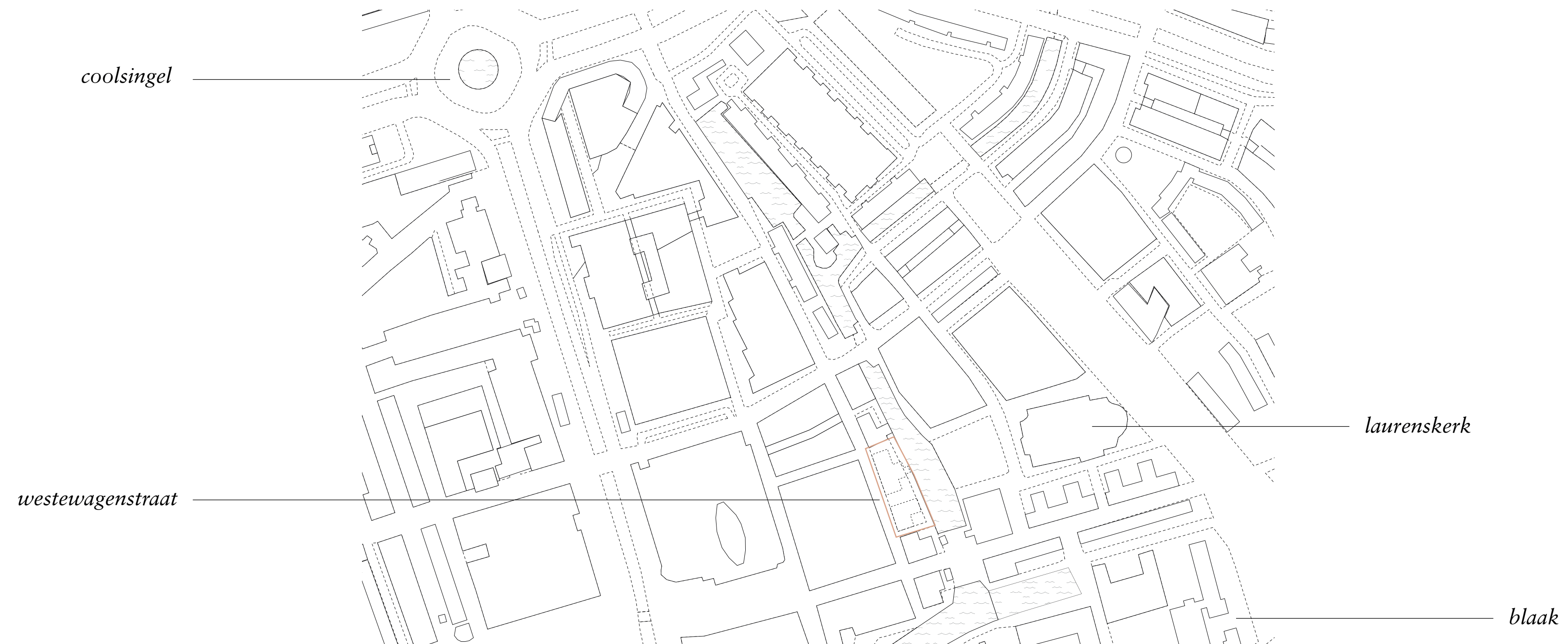
“a place of calmness and peace”

the cloister



“a place for thoughts”











design themes

proportion

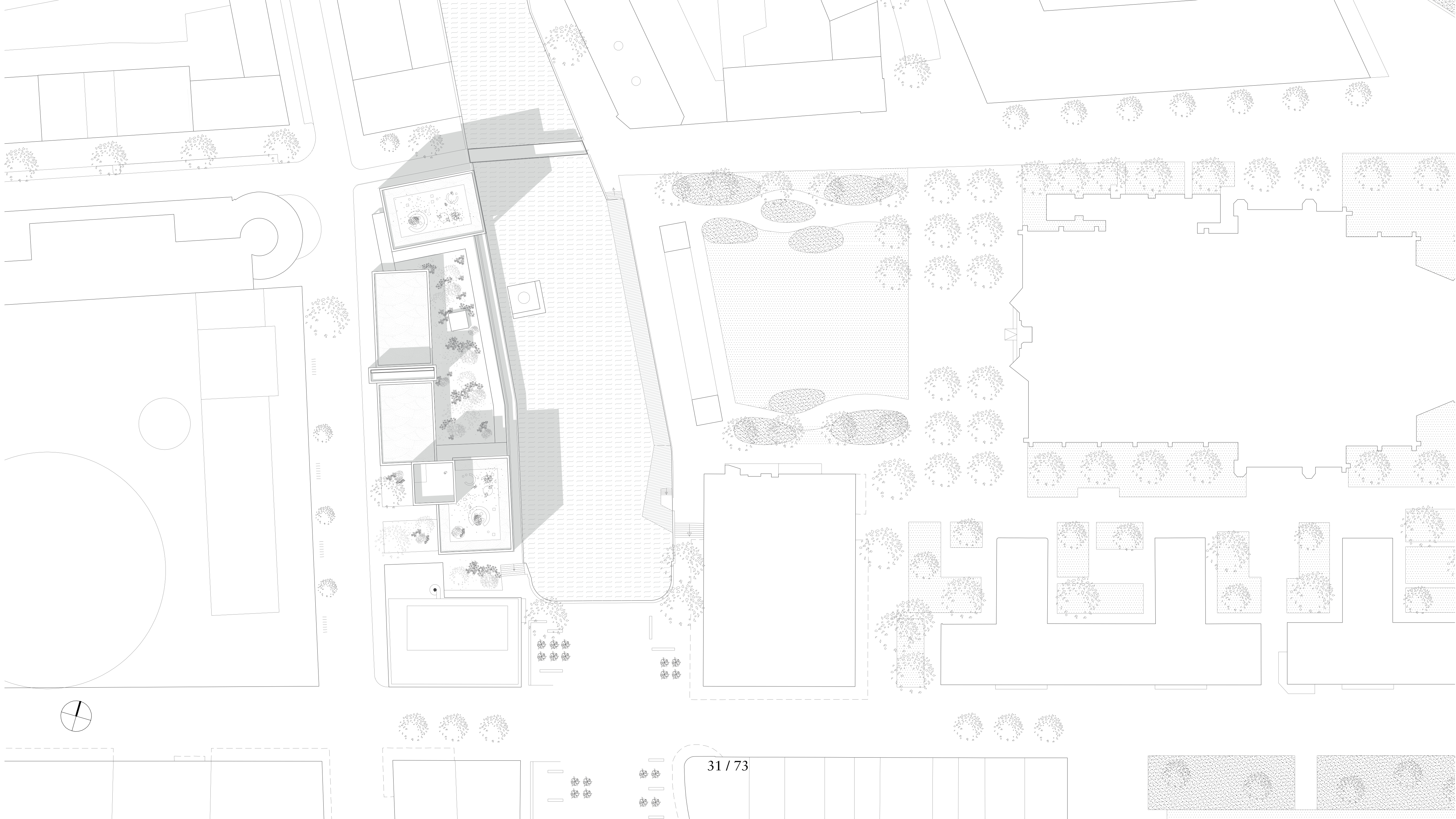
holism

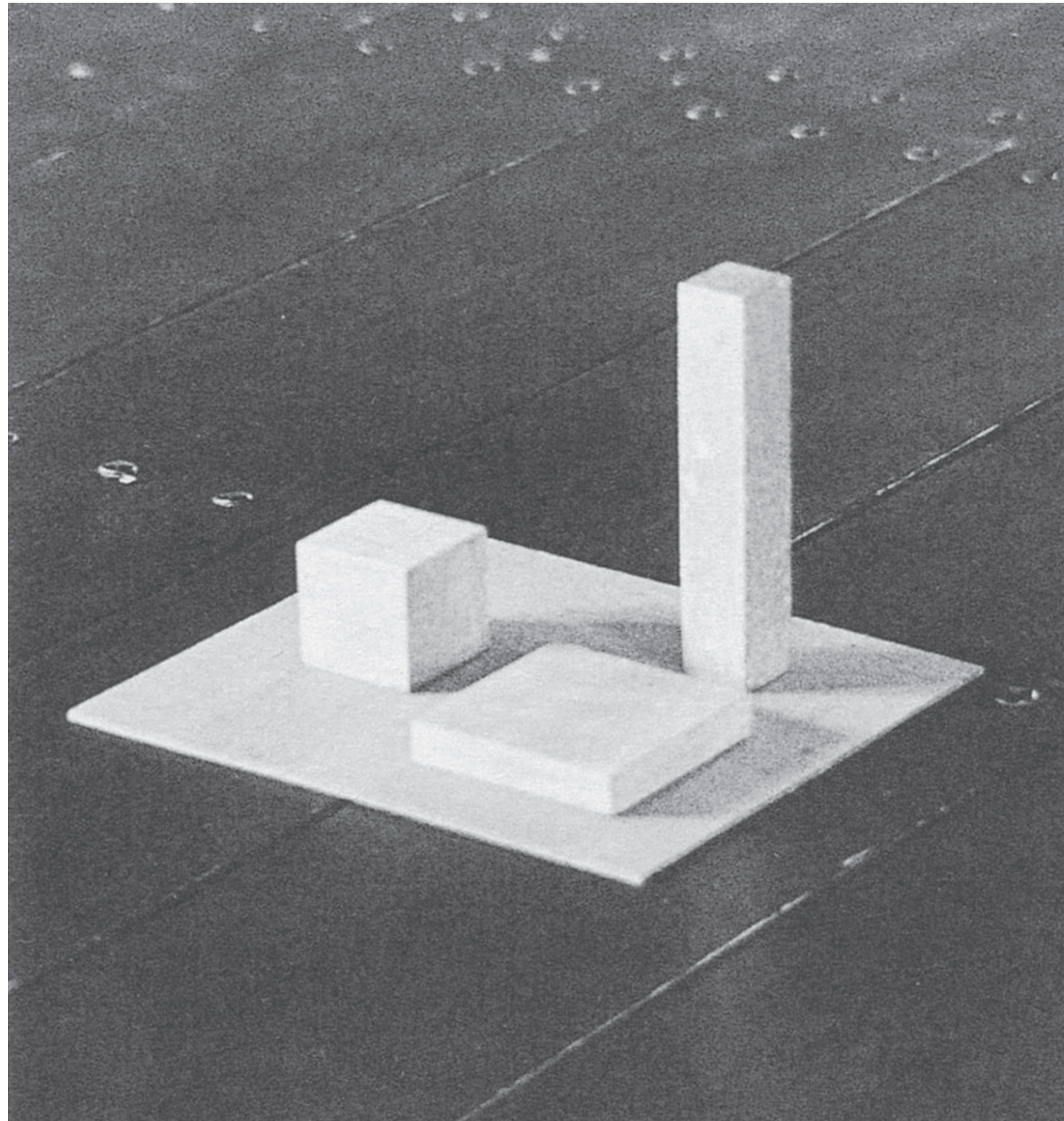
functionality

public presence

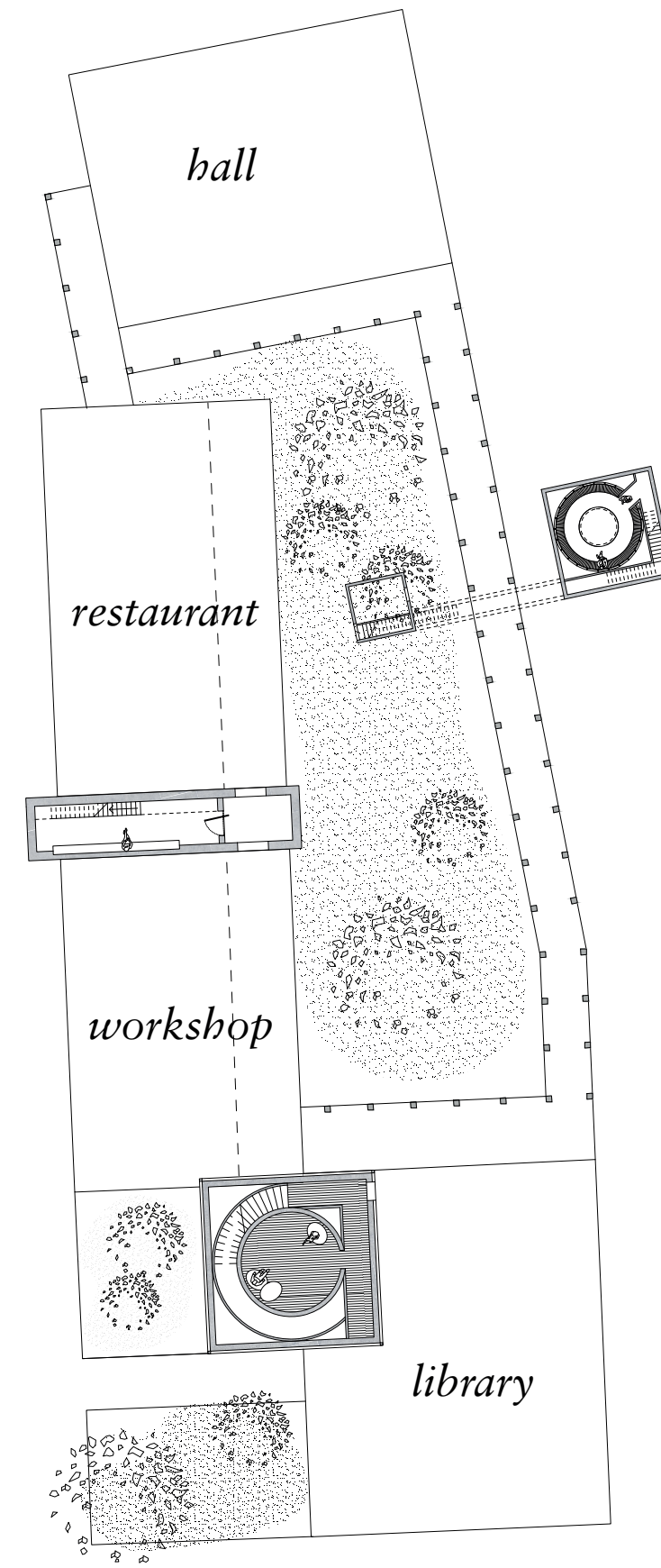
tectonics

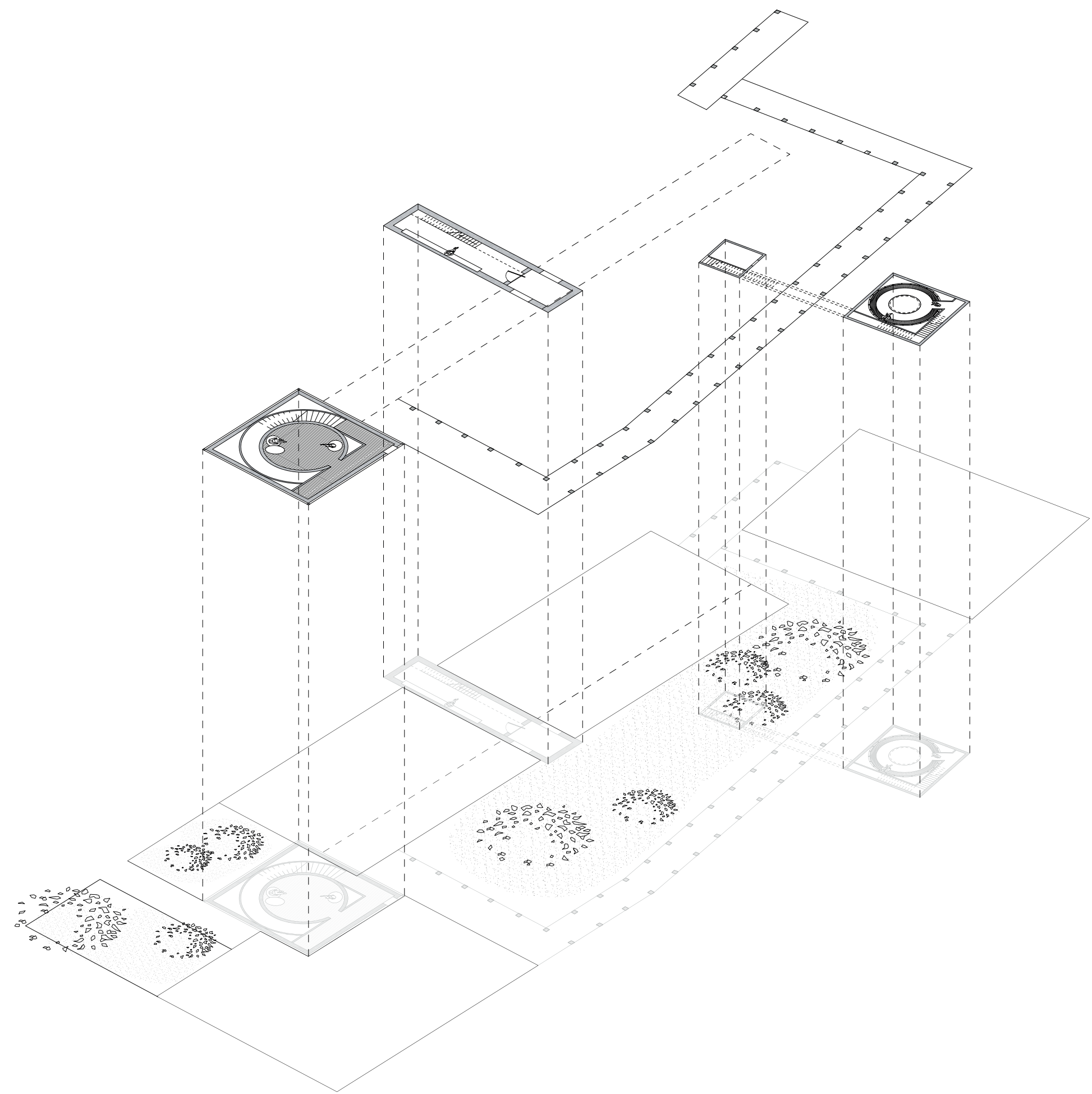
sustainability

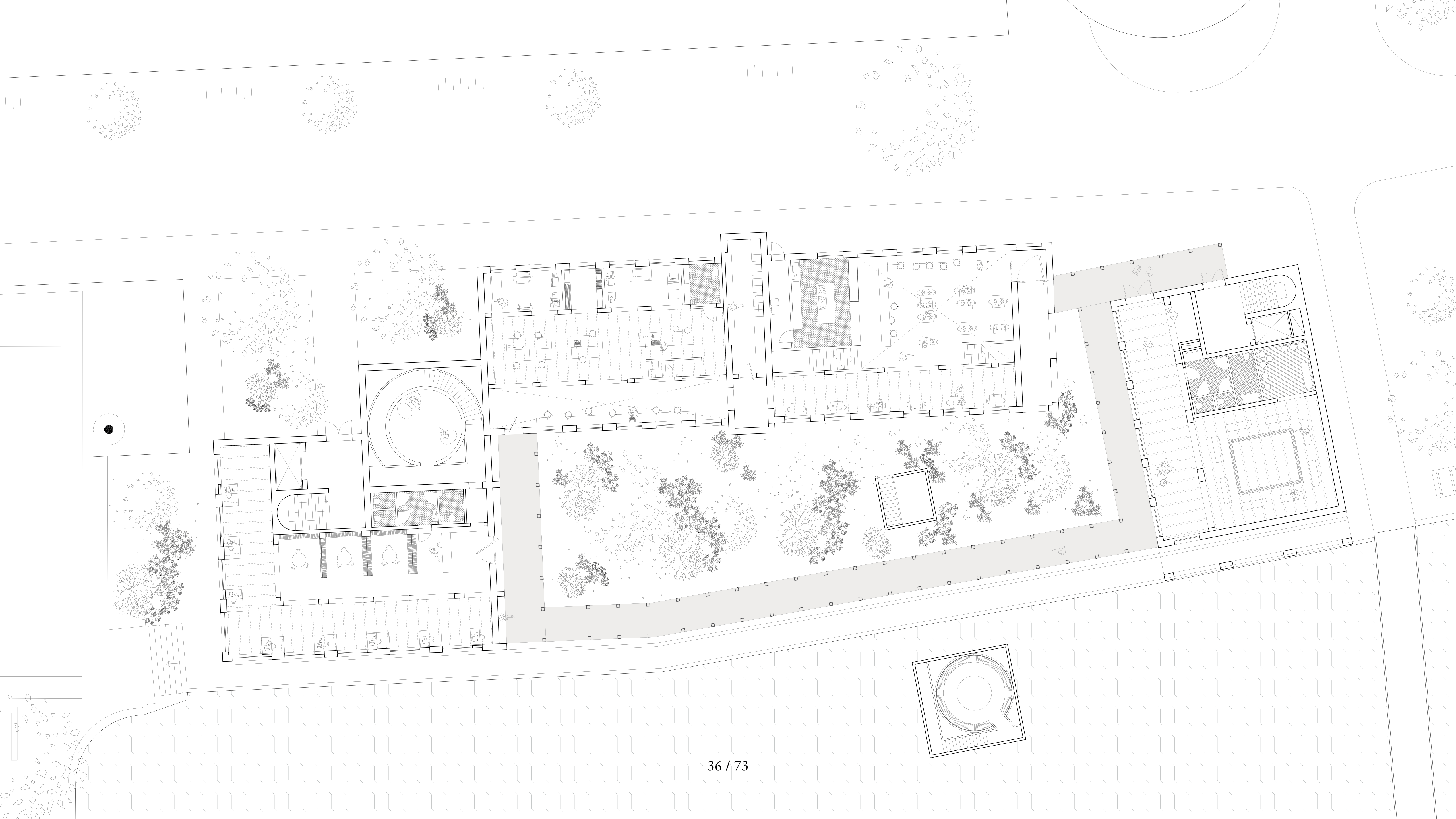


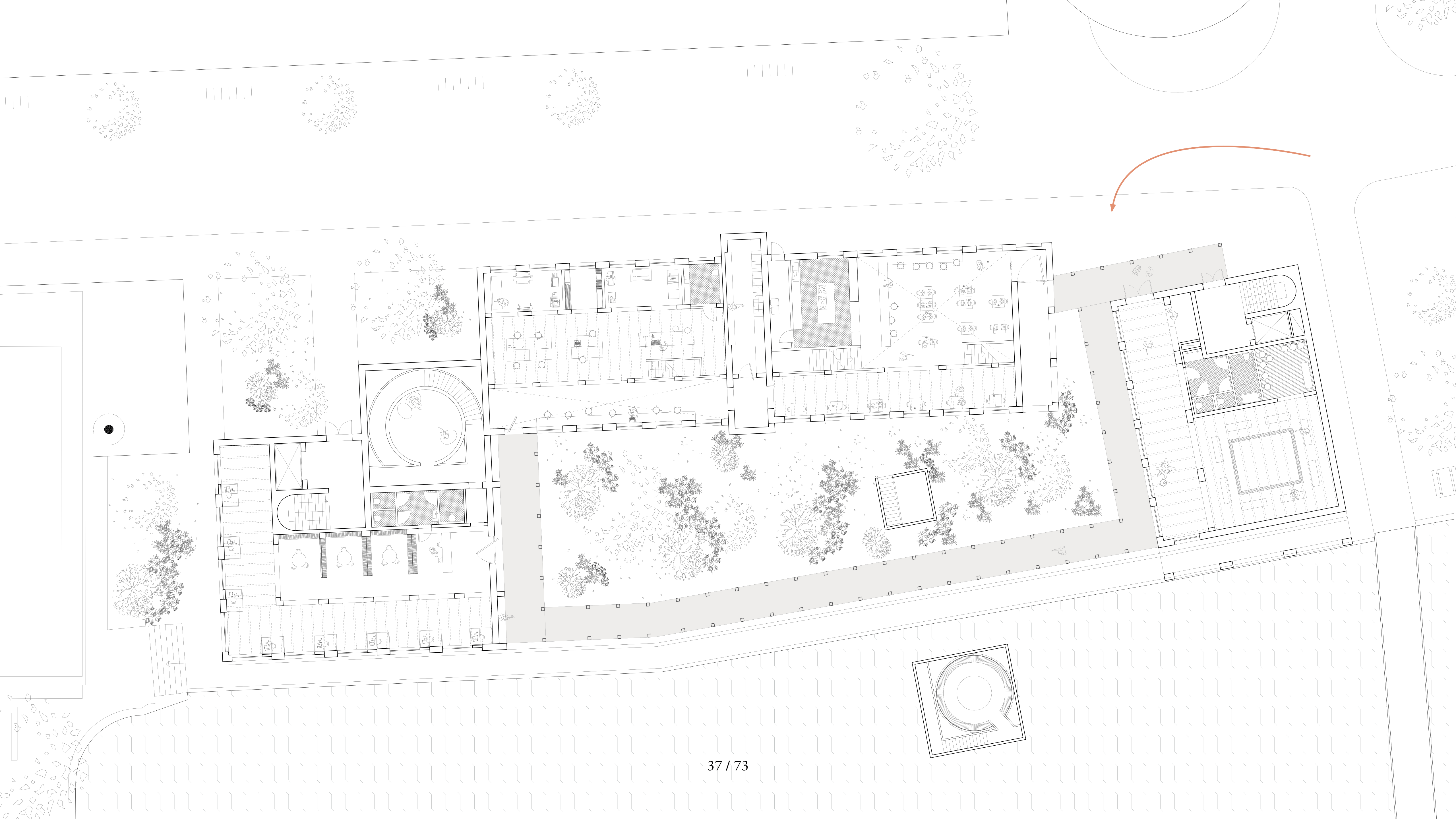






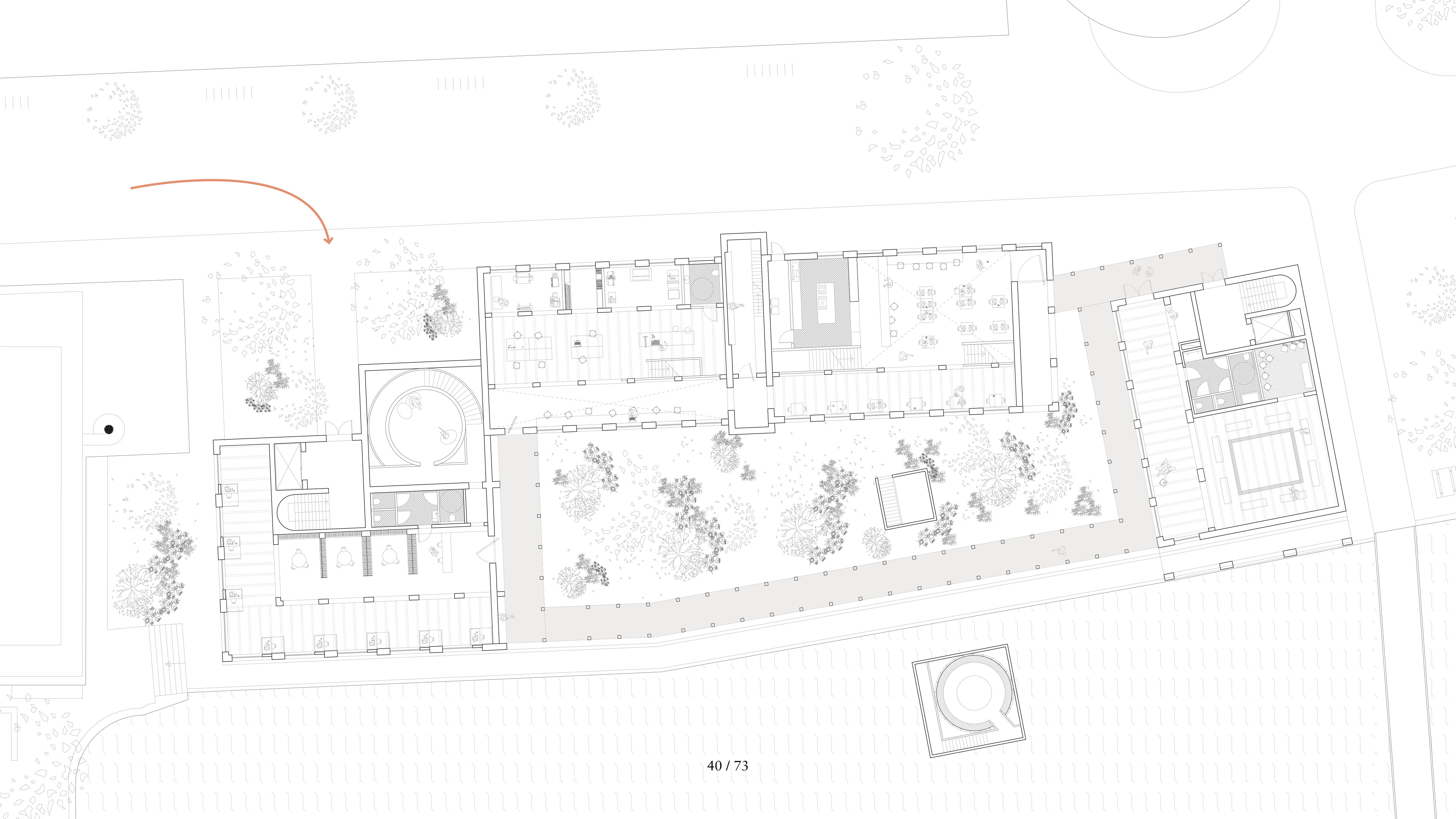












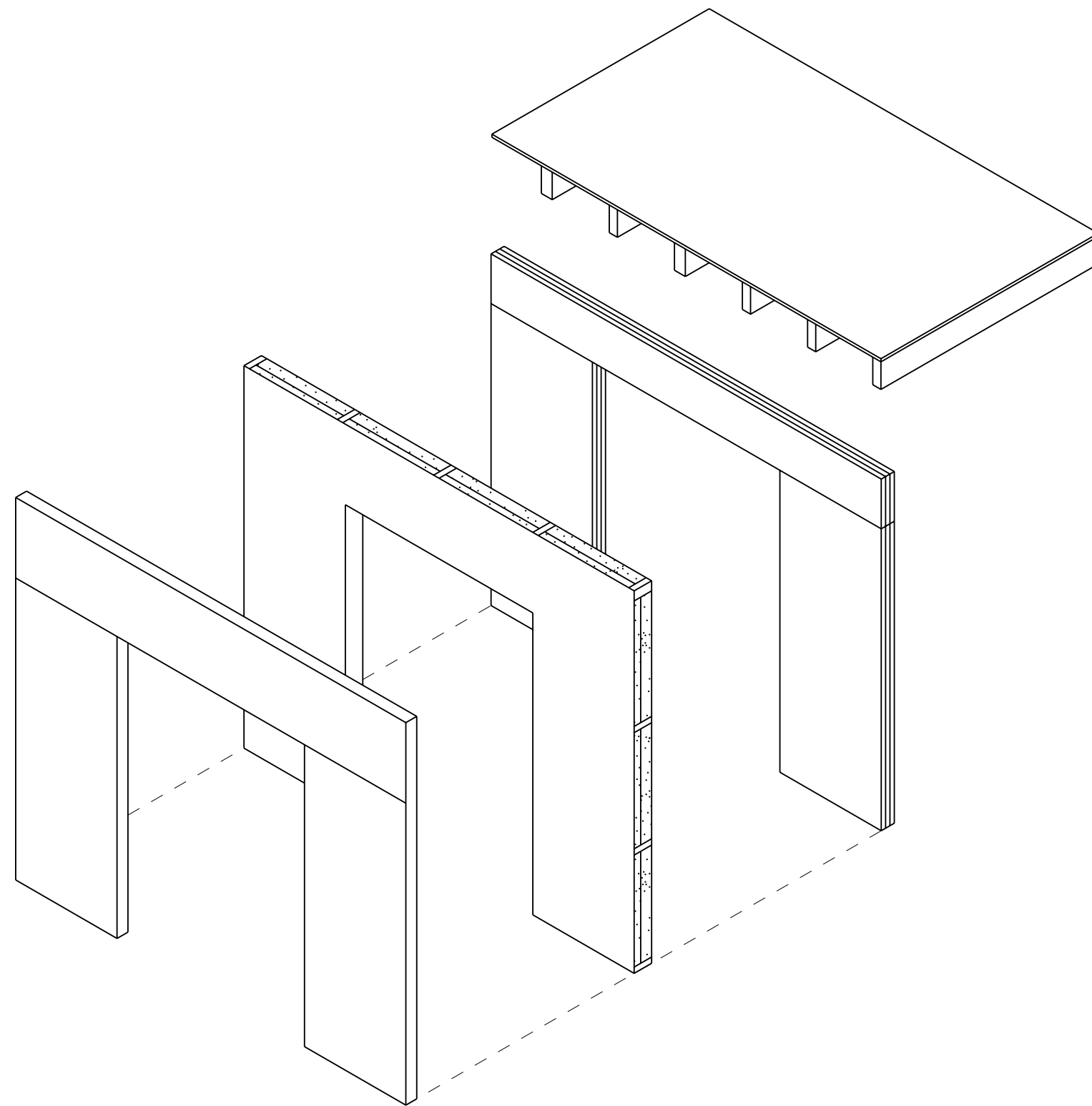


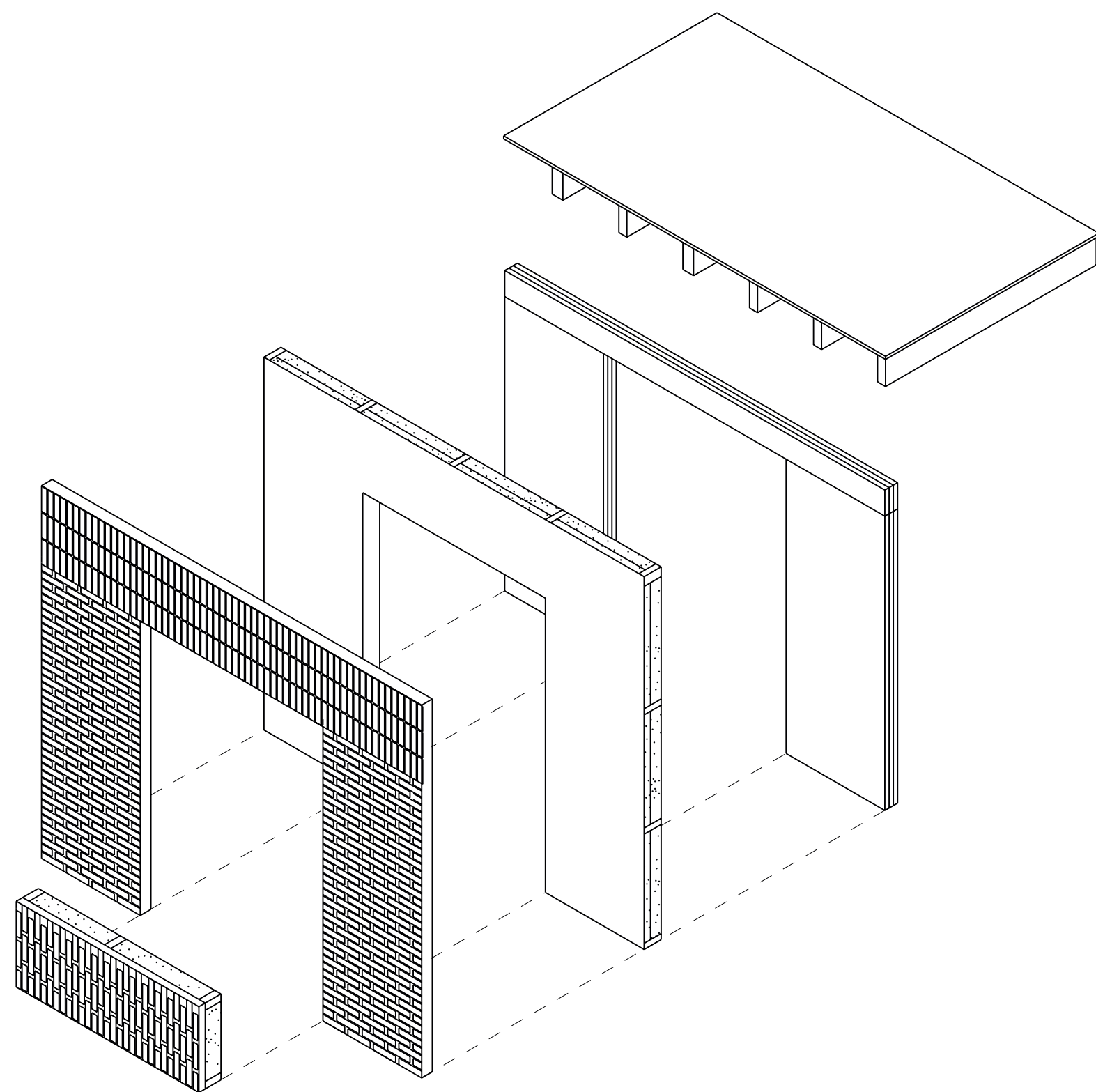
materiality

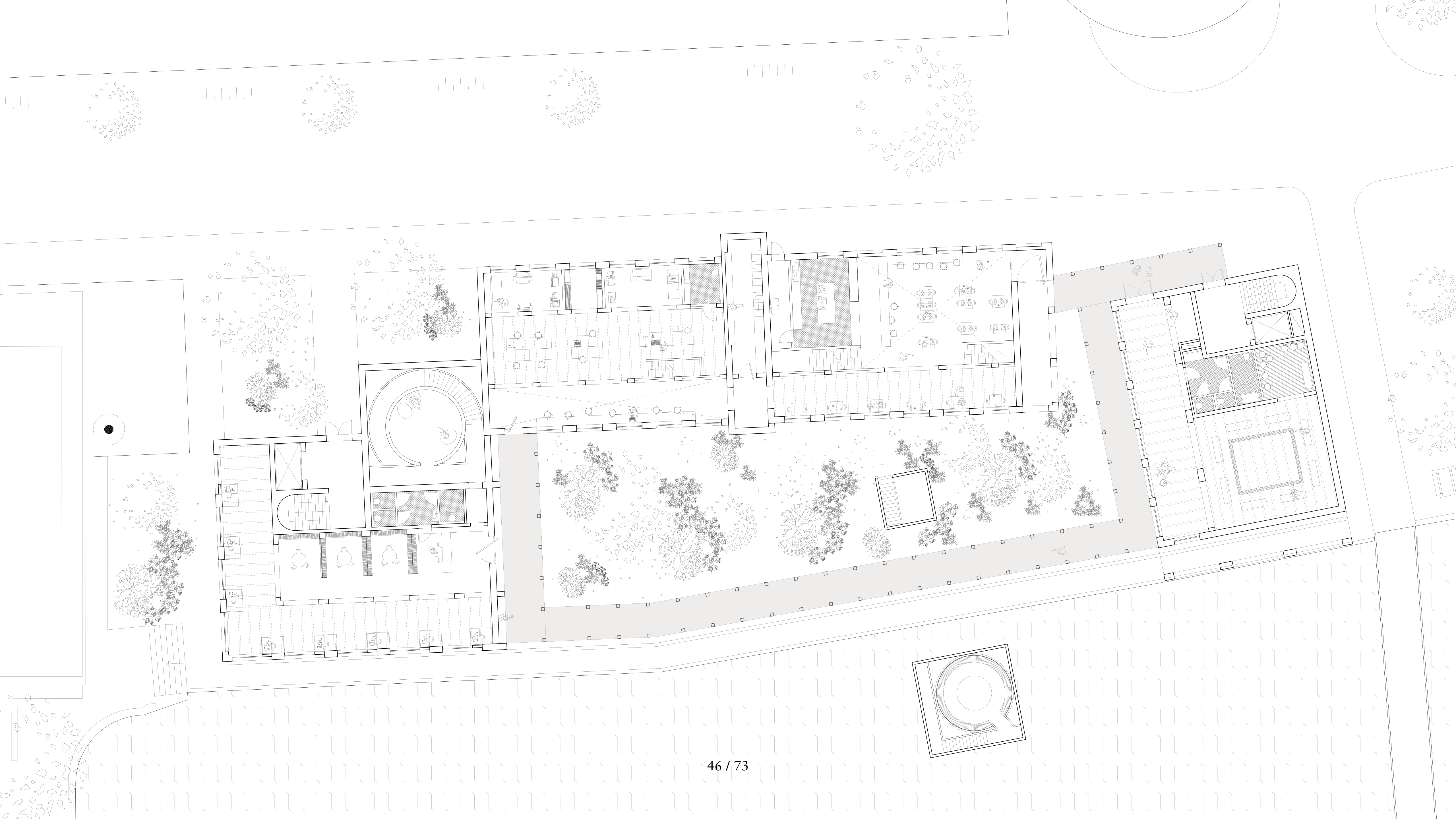


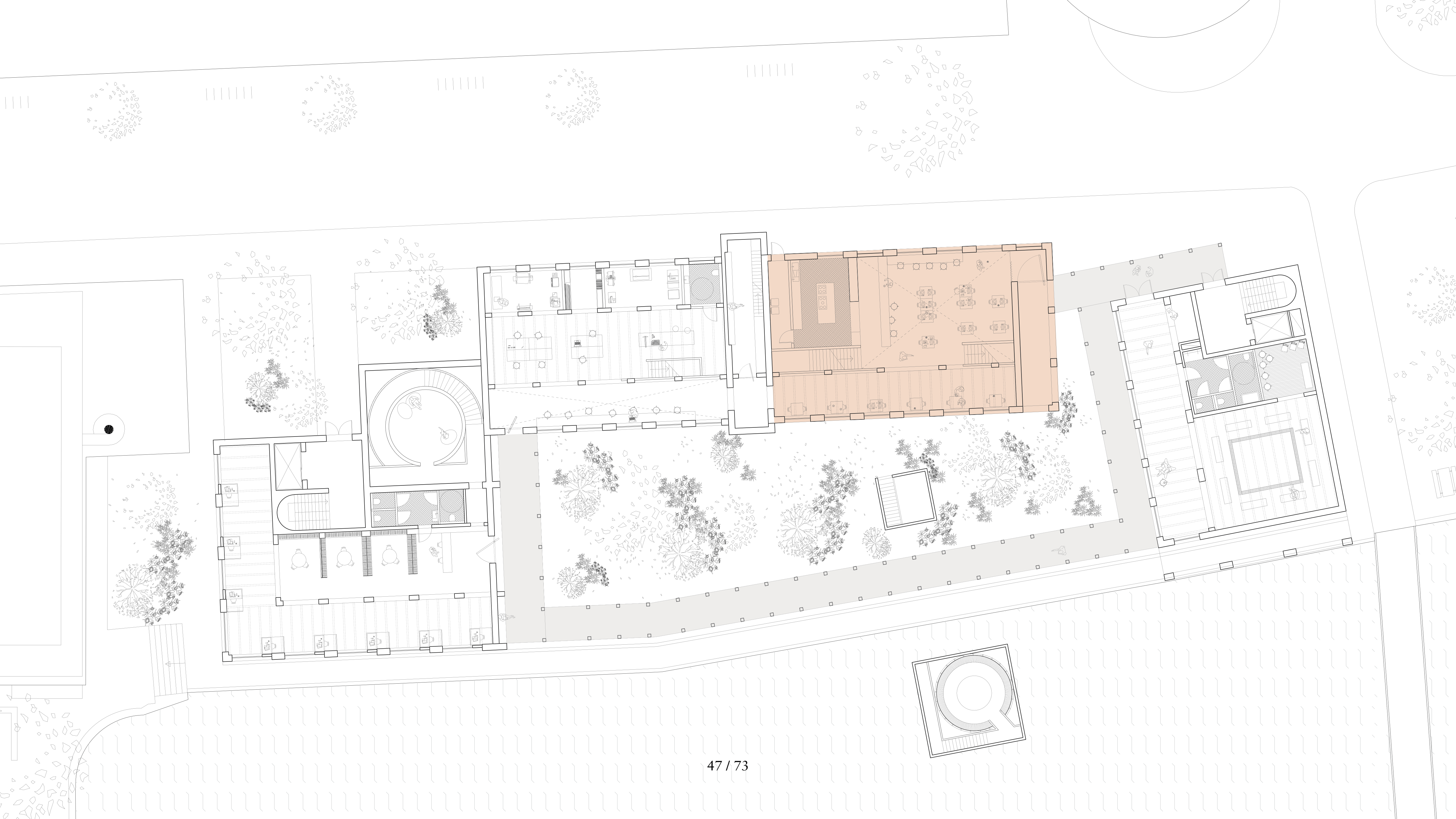


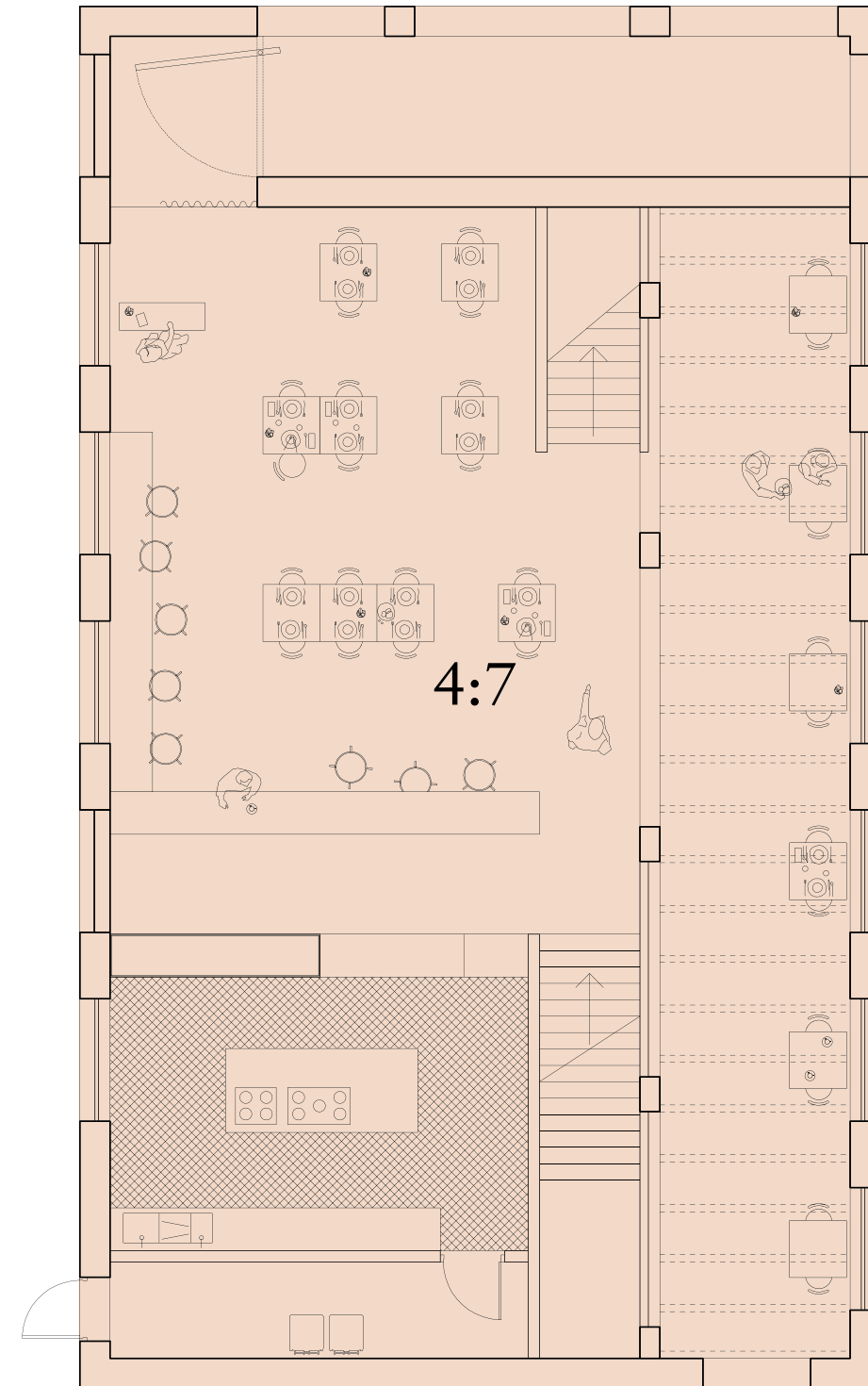
facade

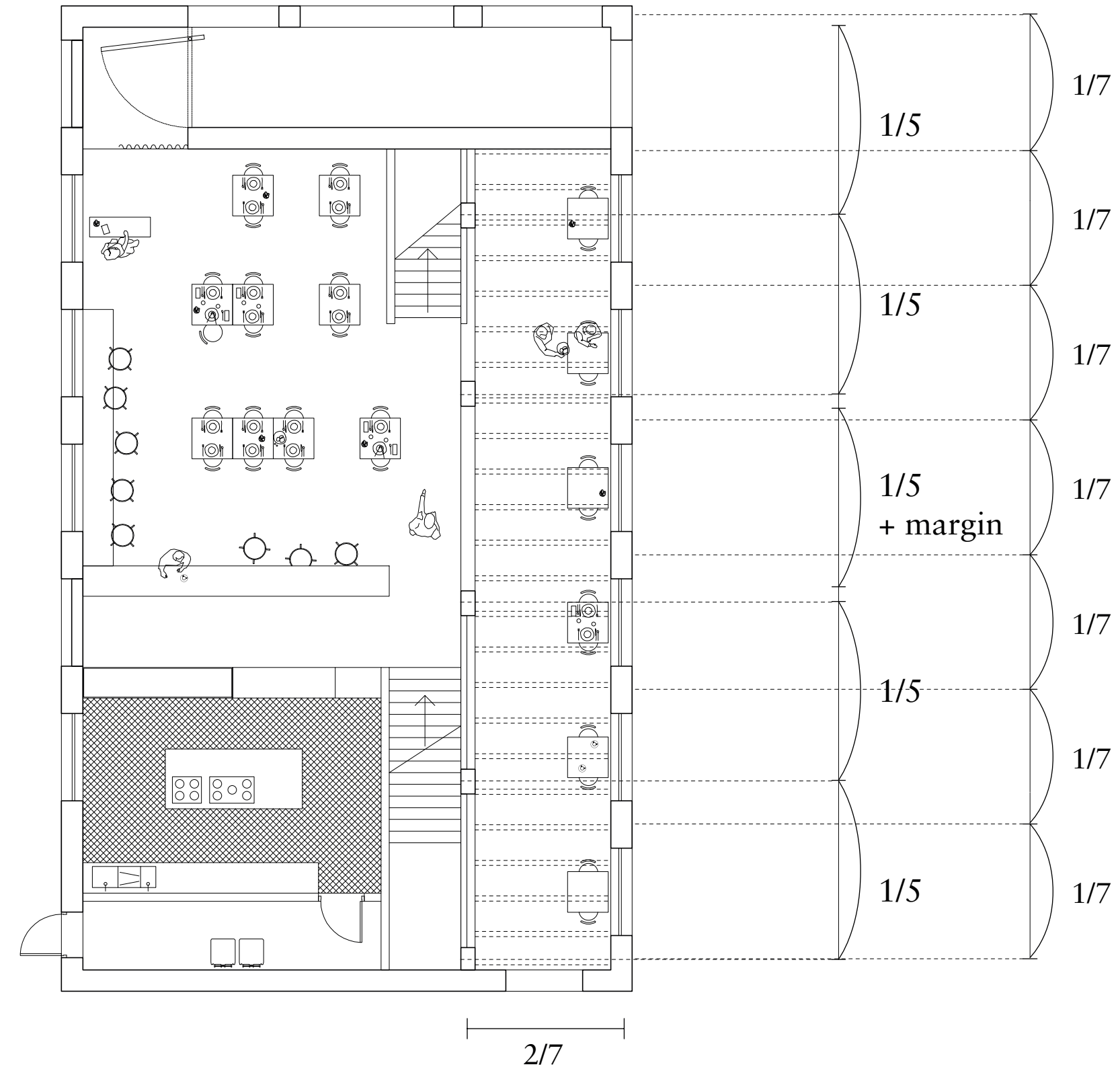


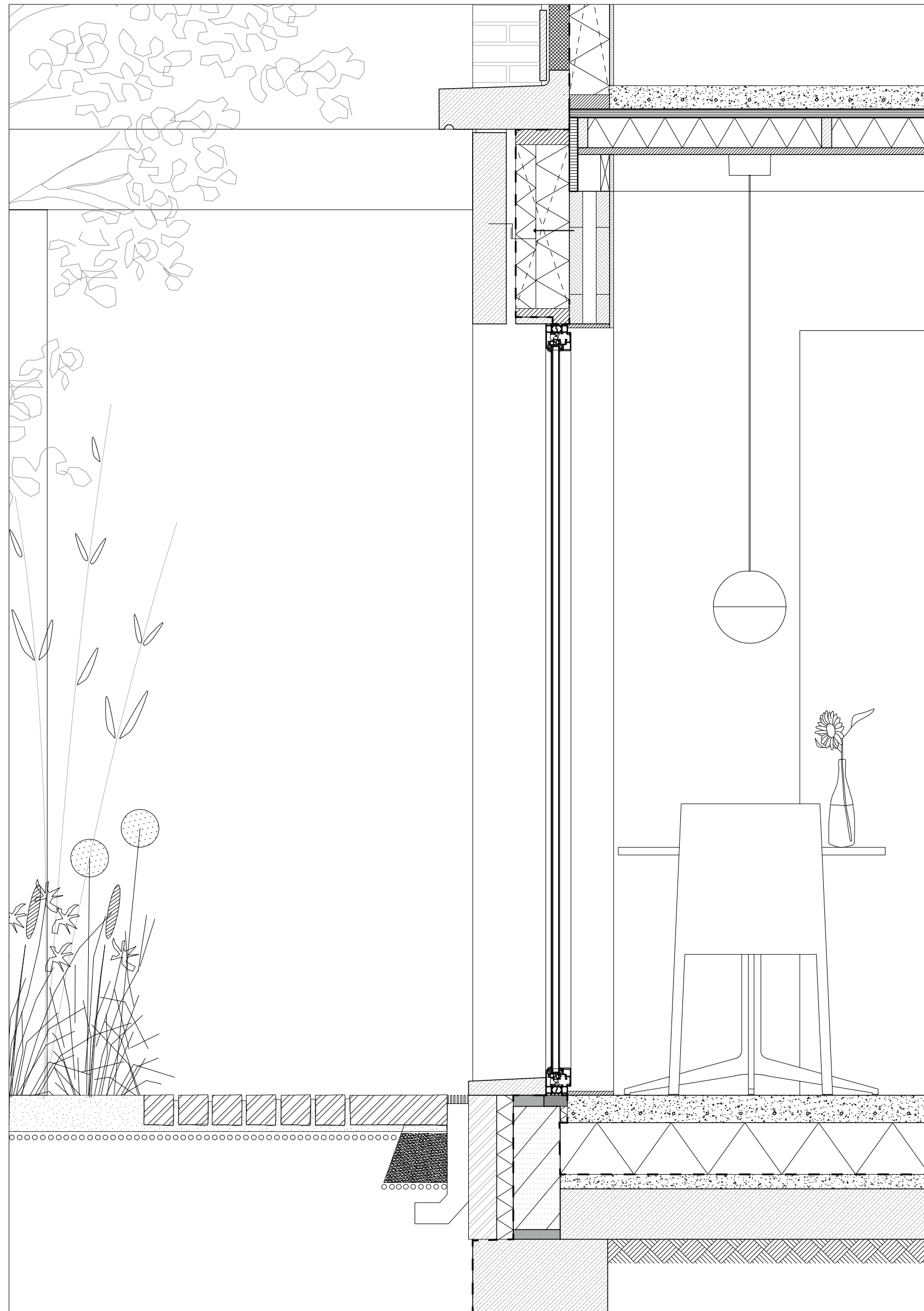


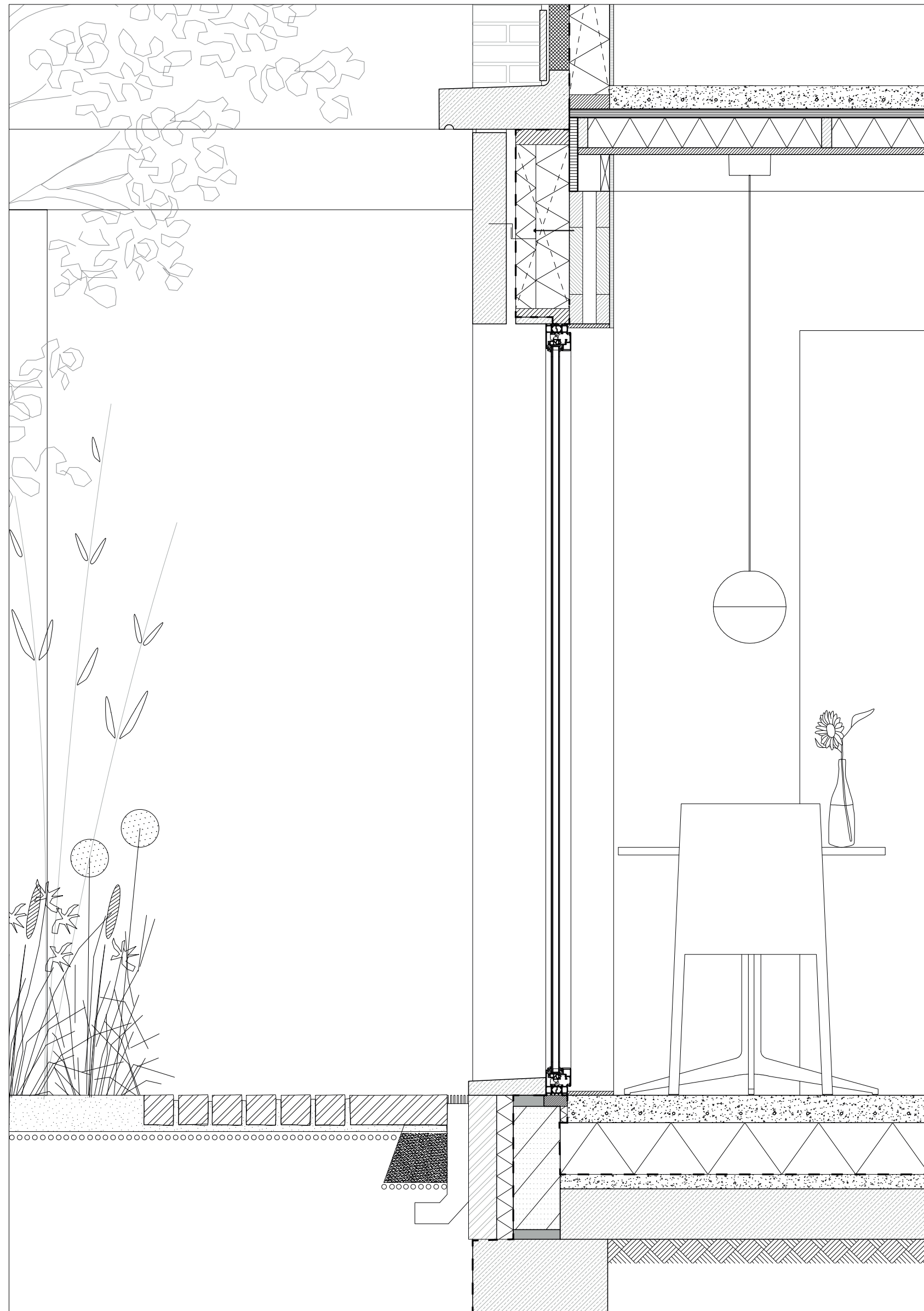


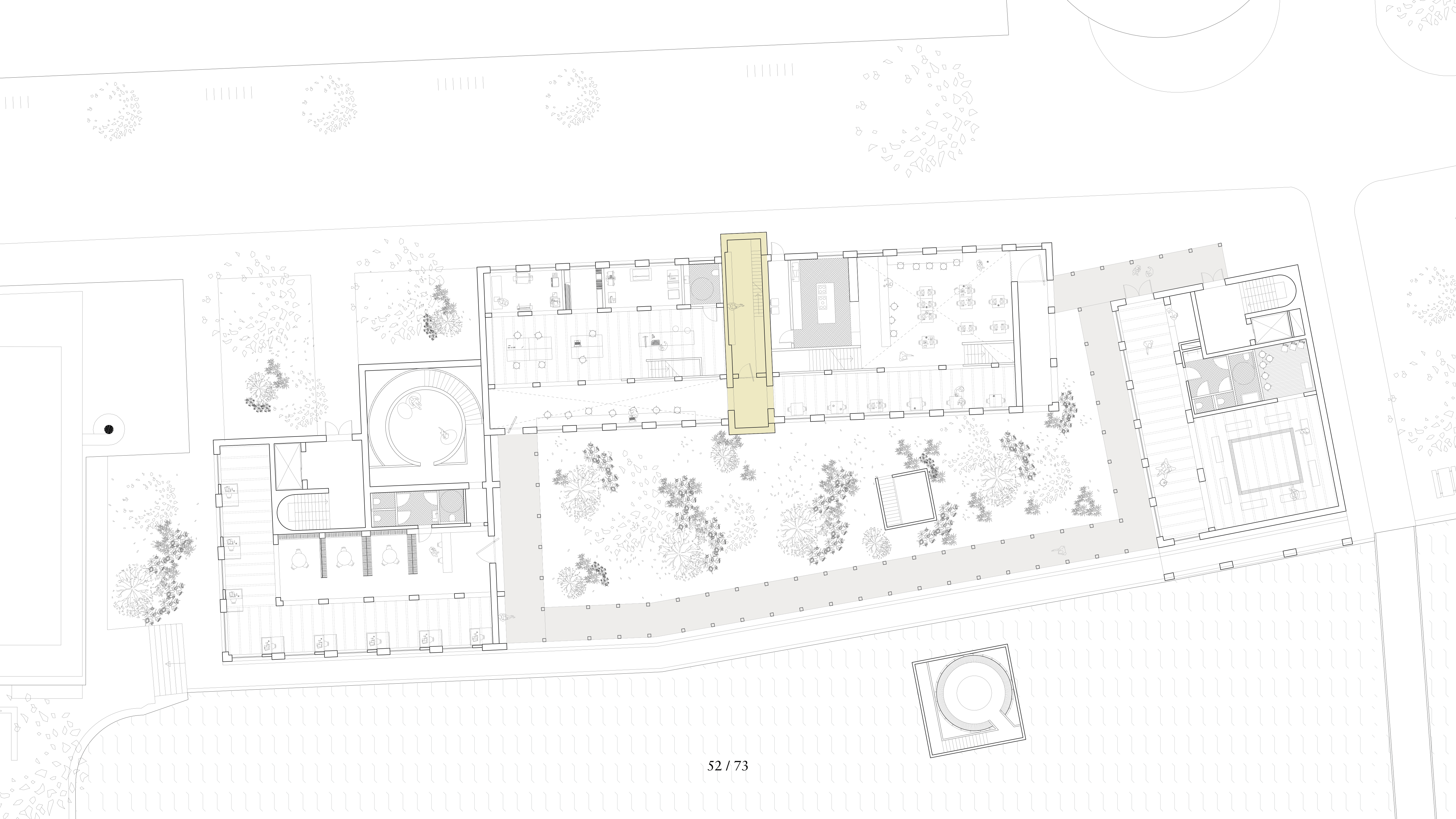


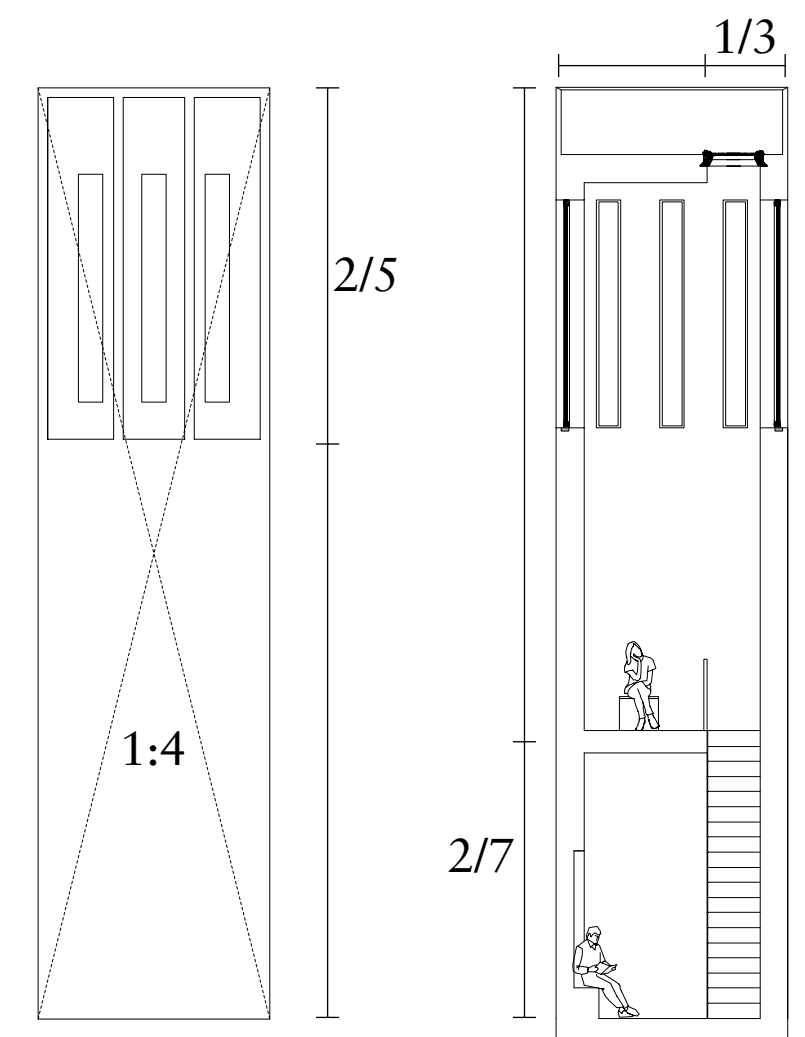
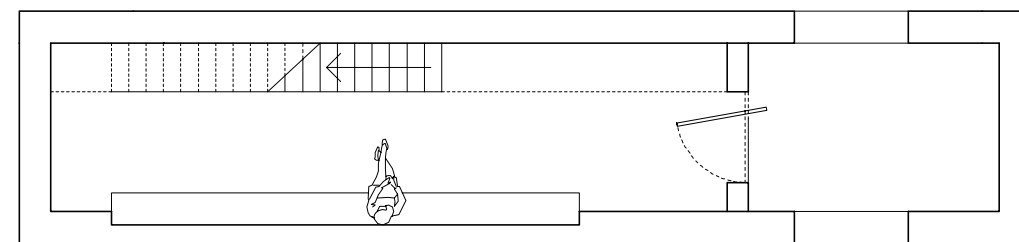
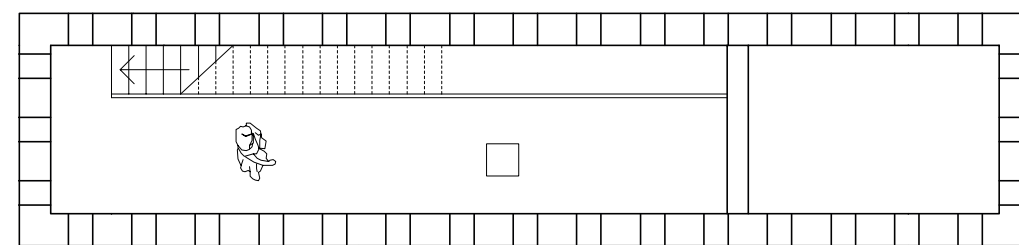
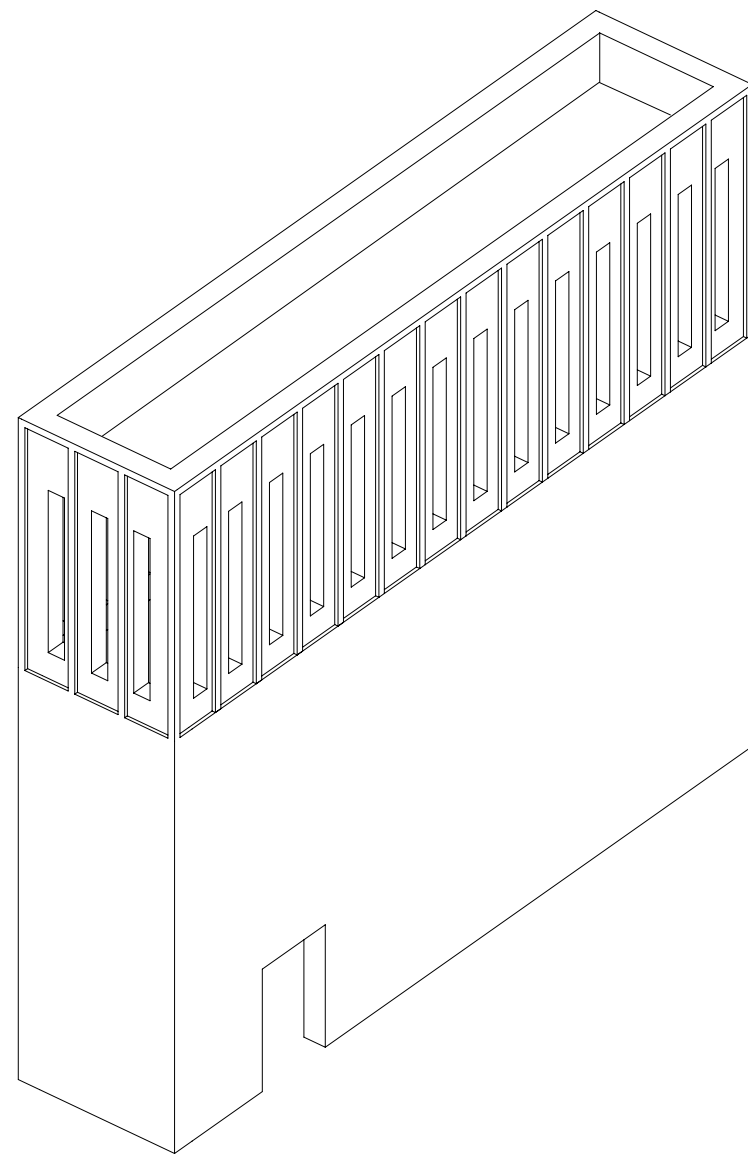


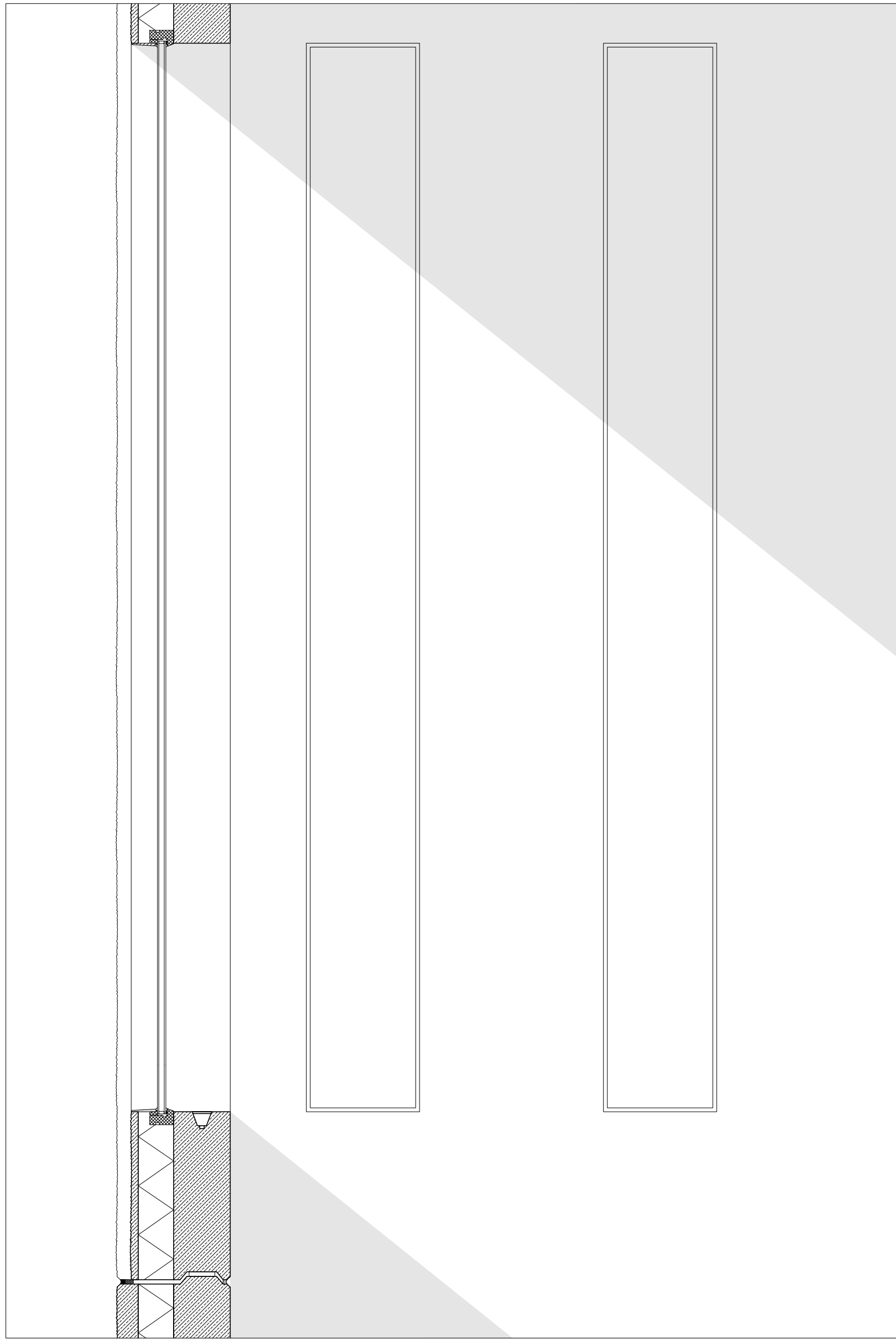


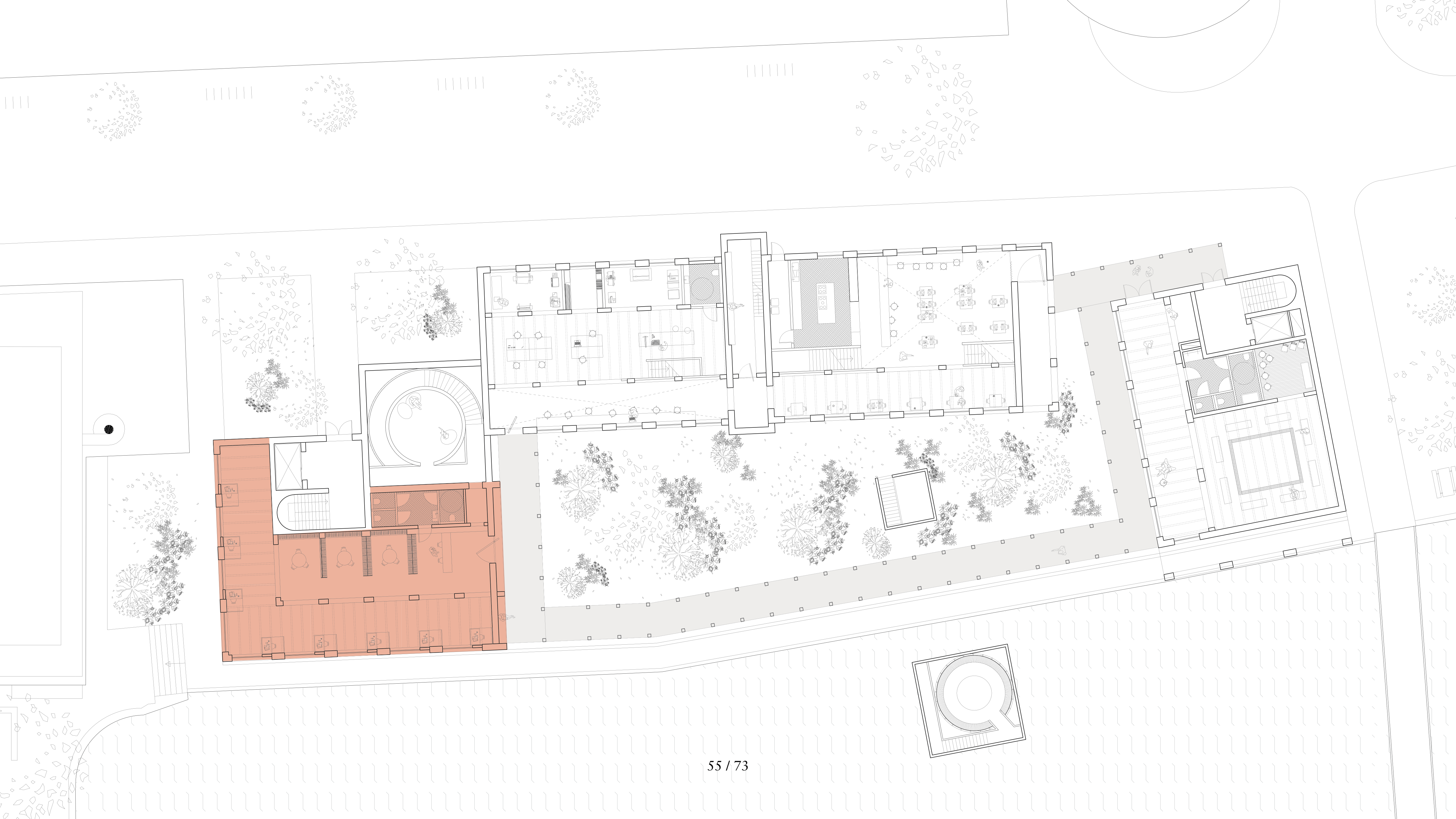


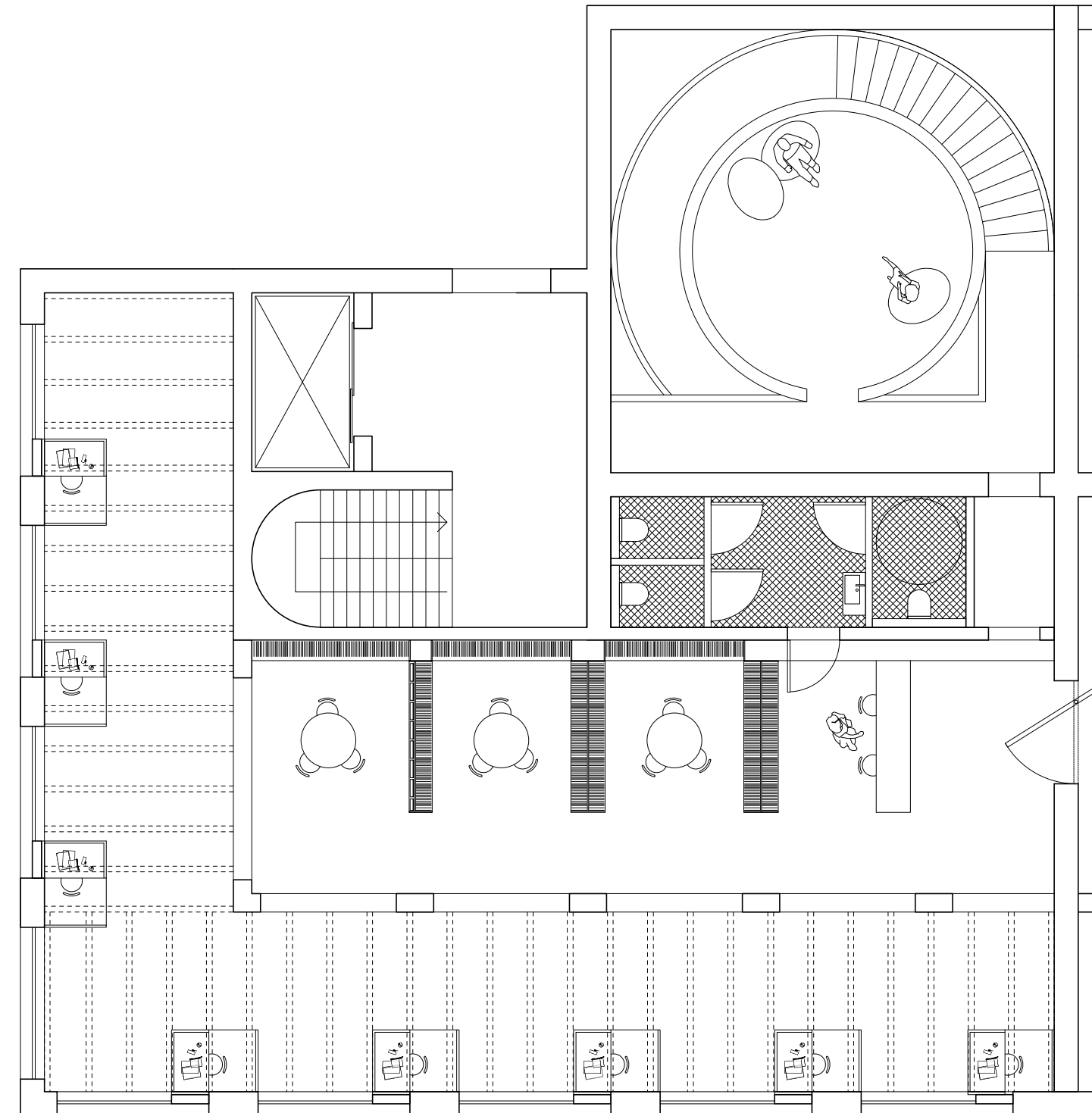


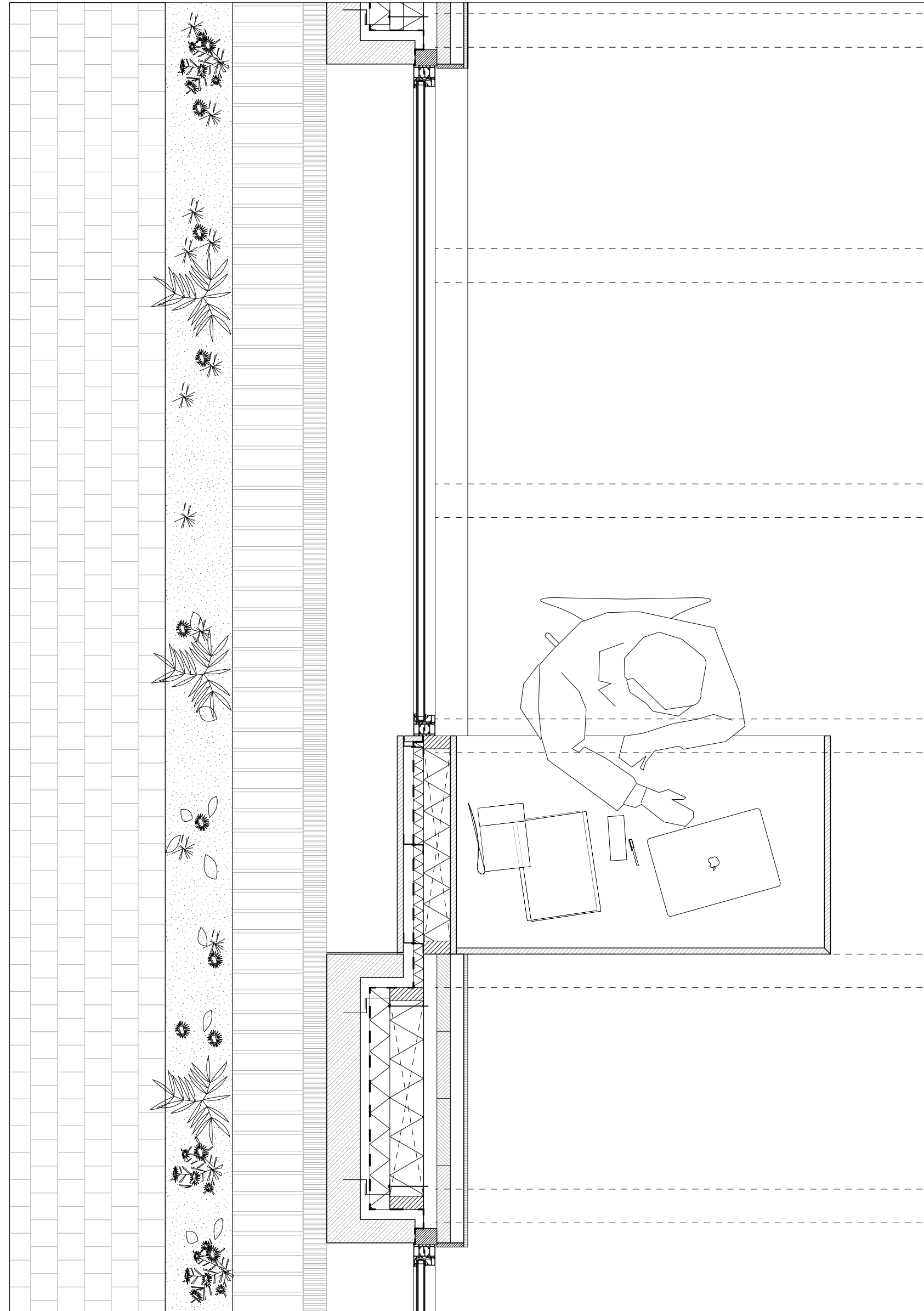


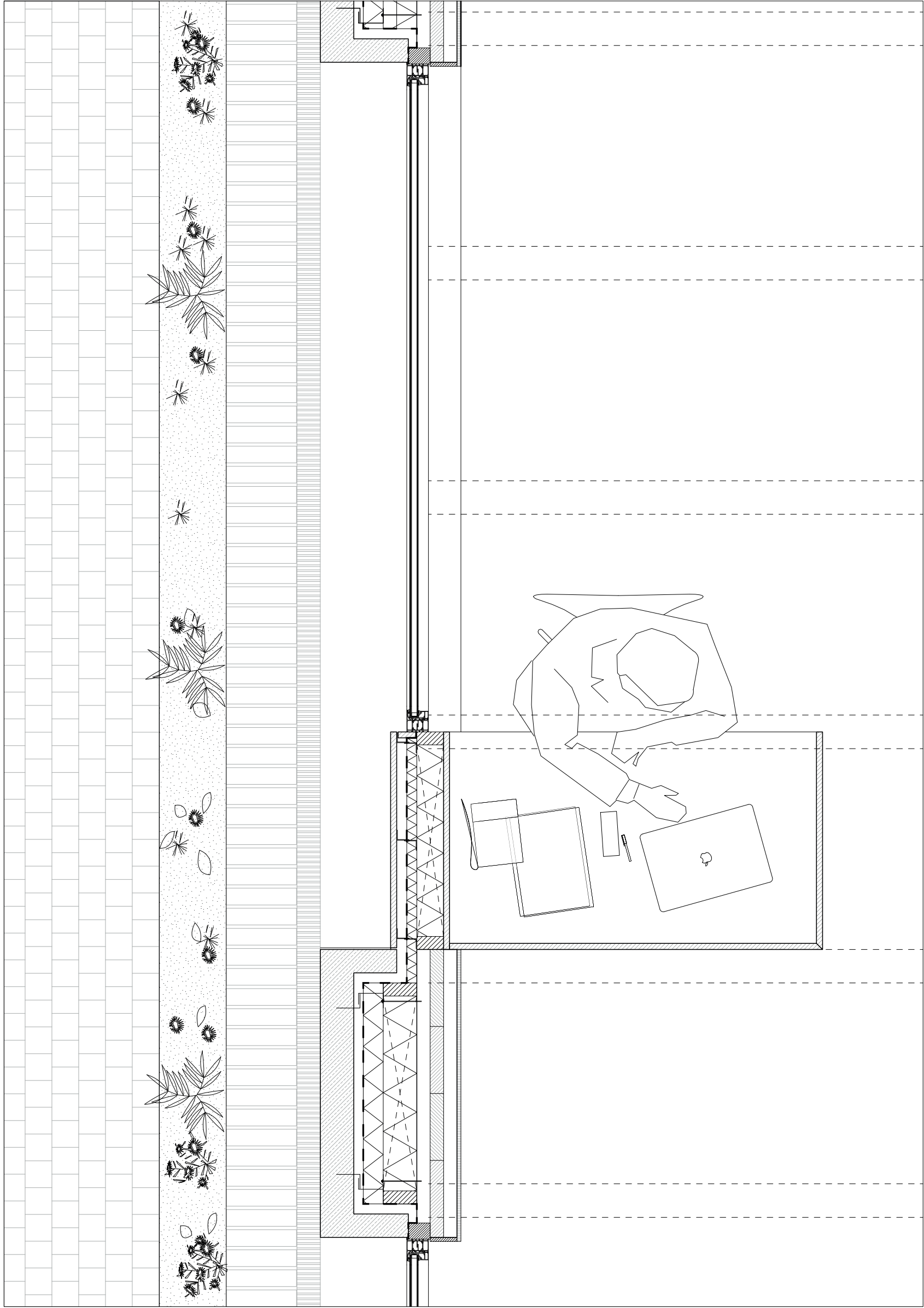


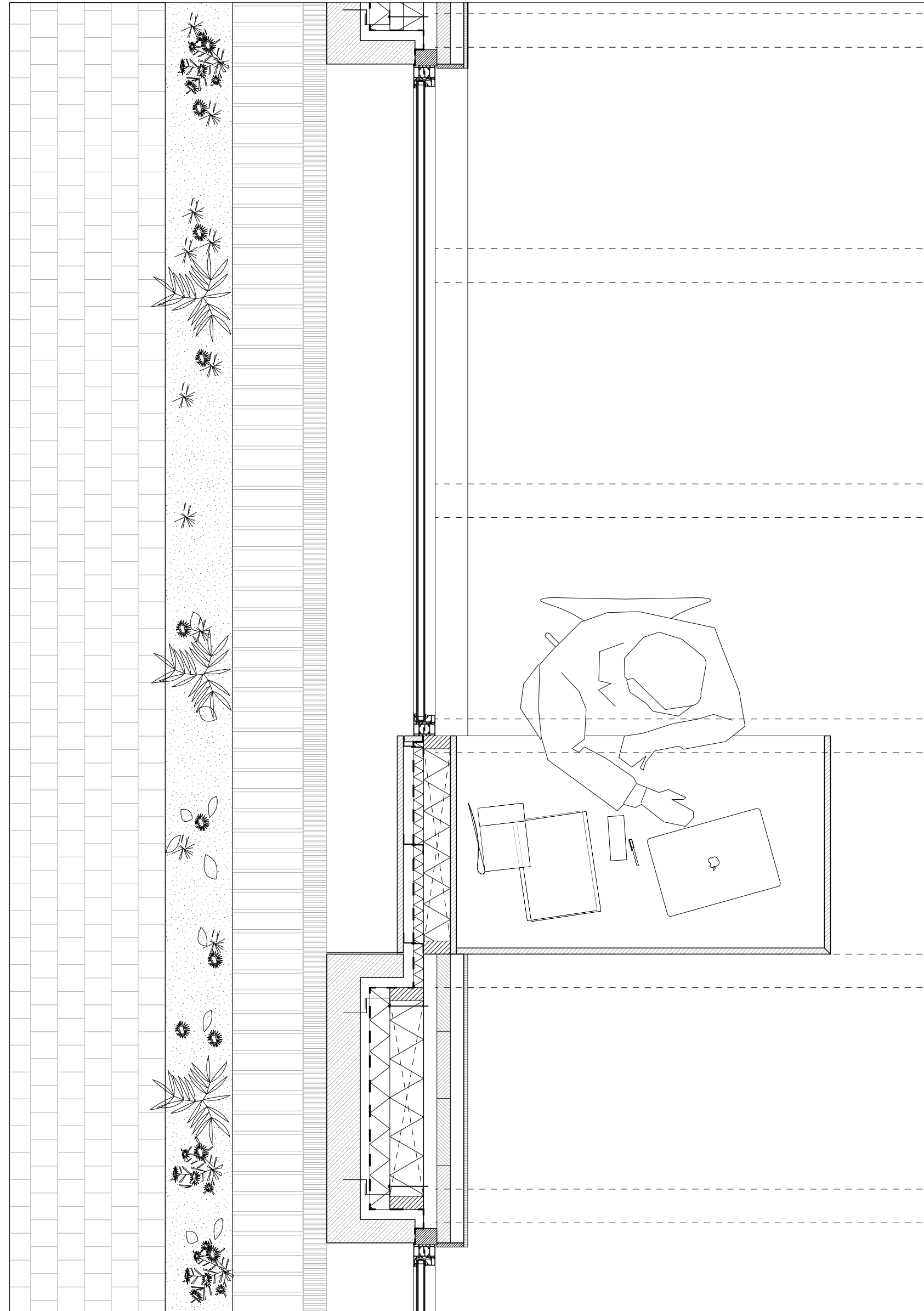


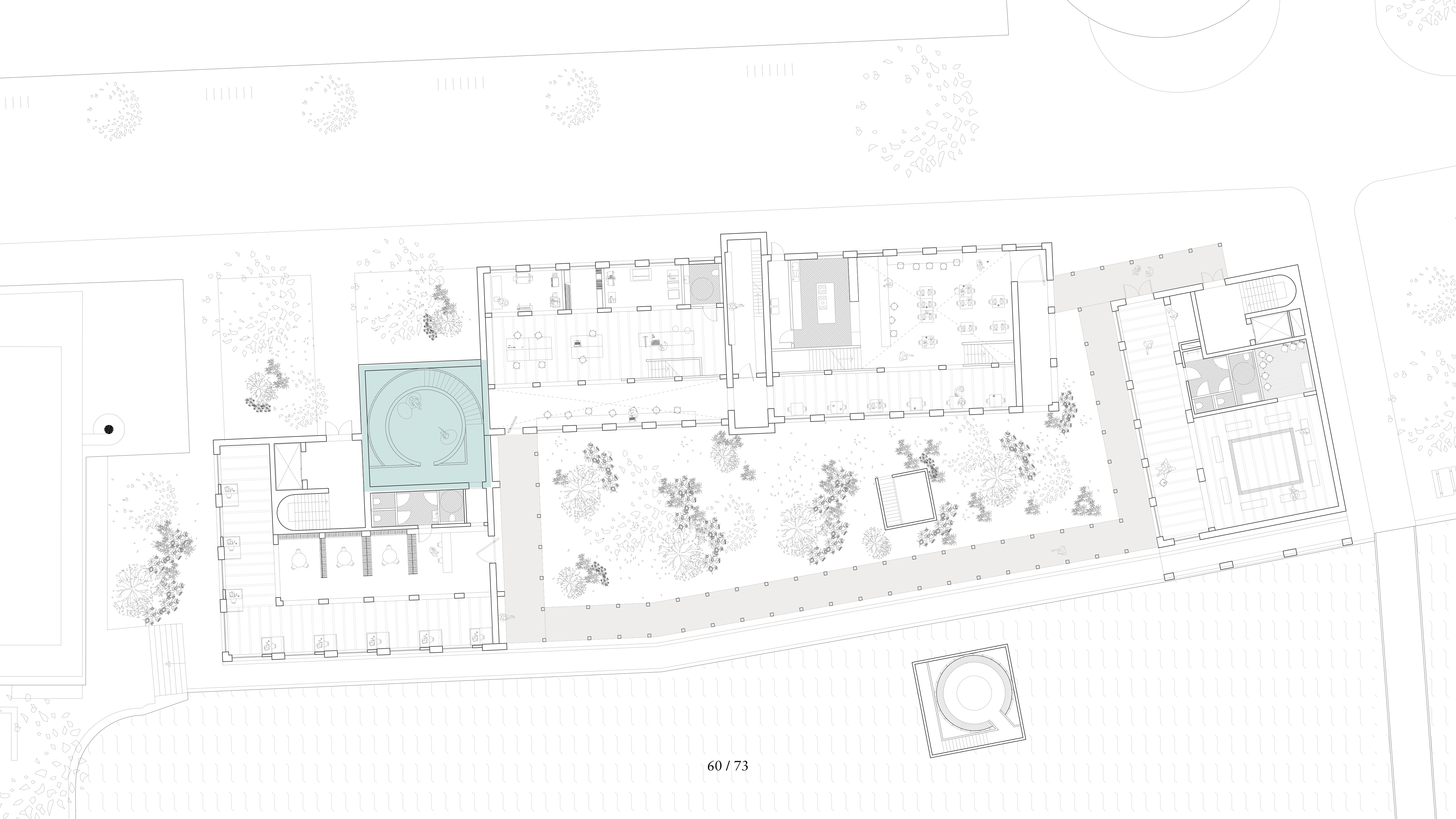


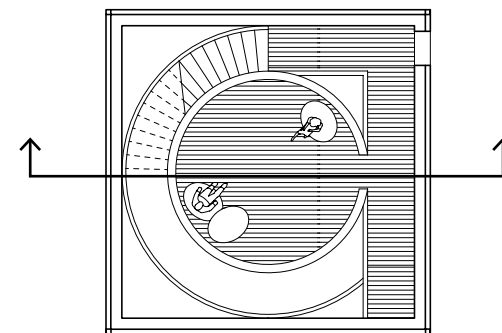
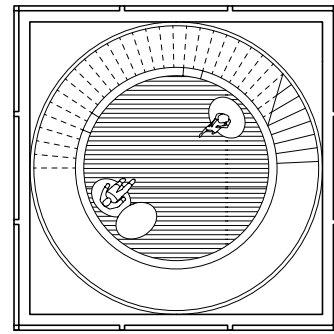
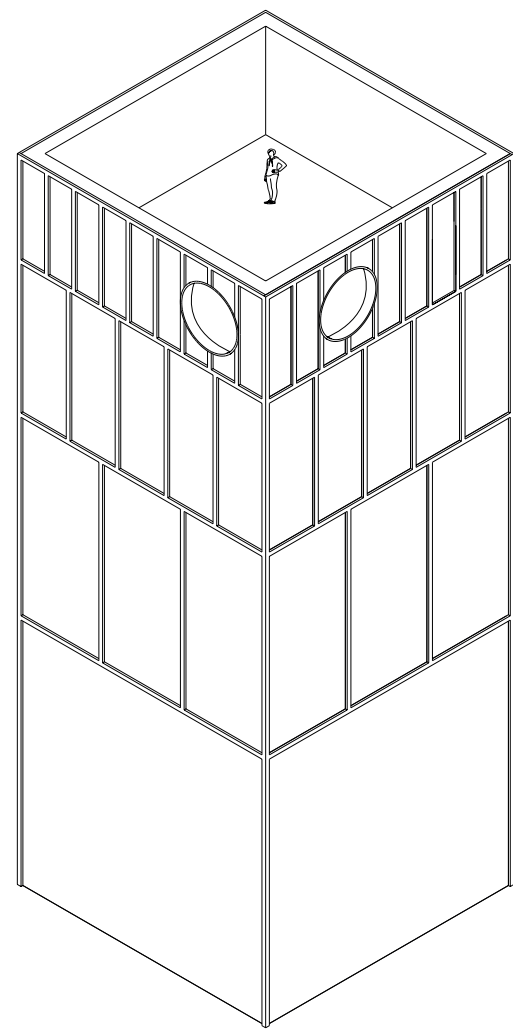






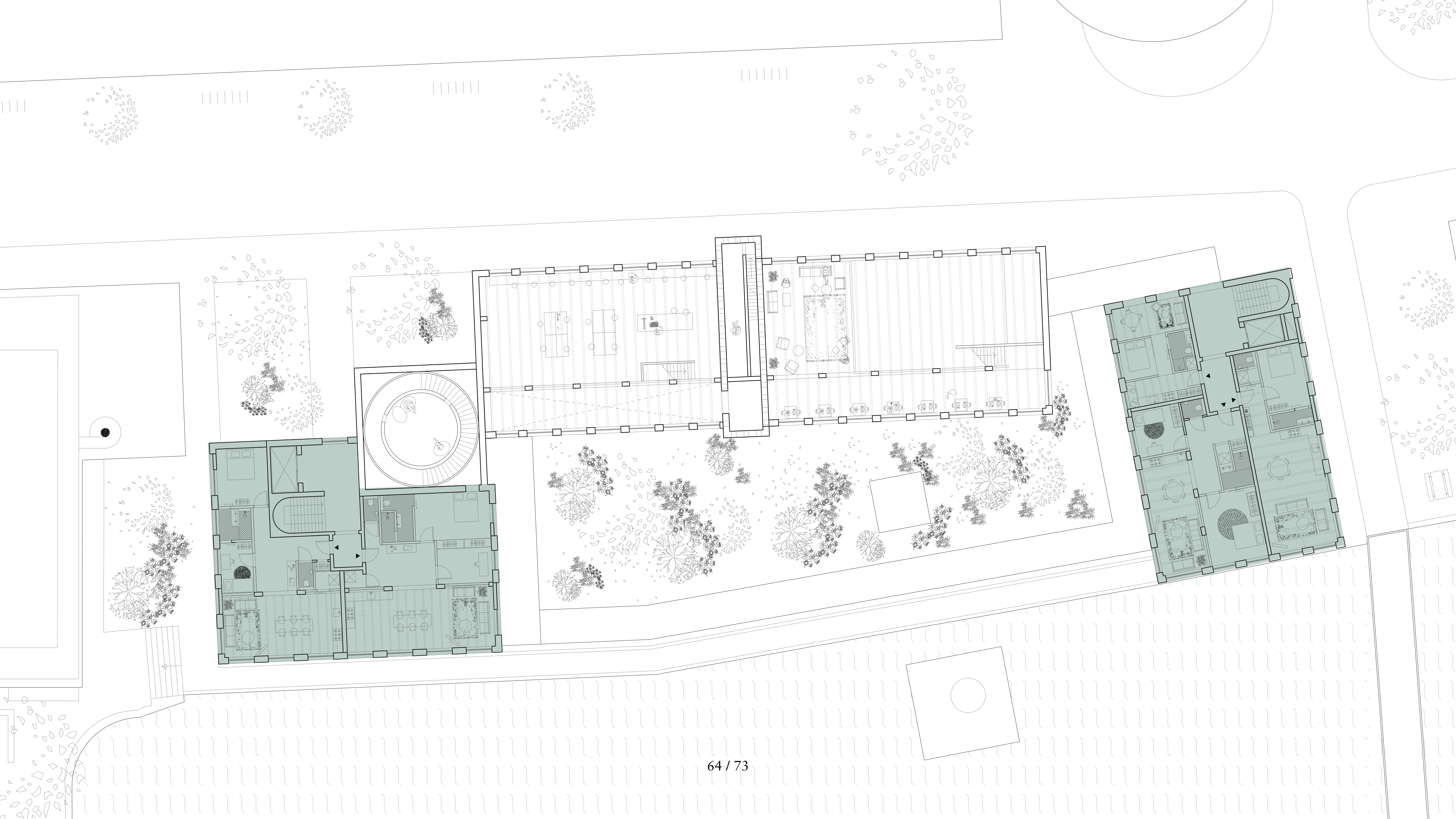


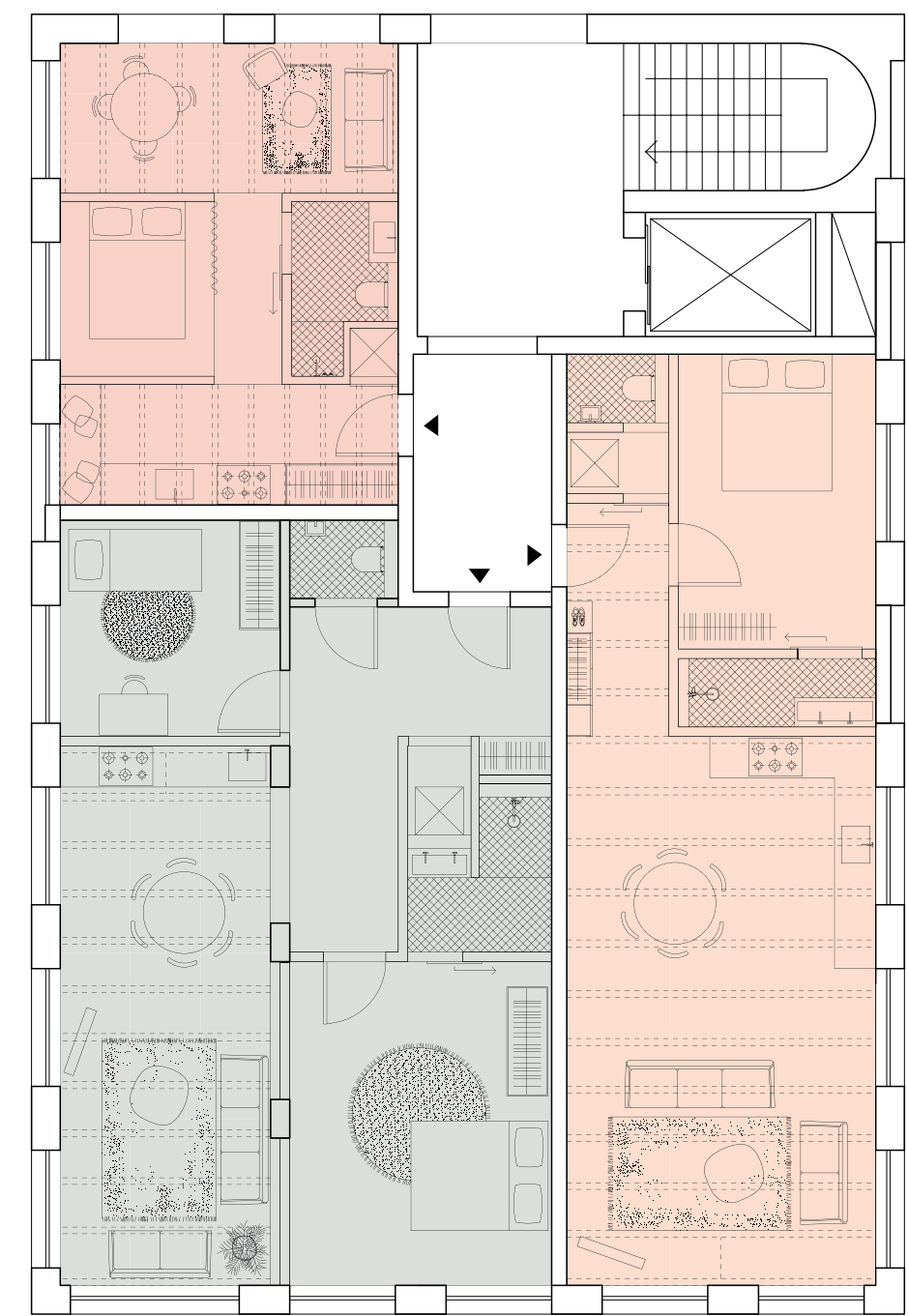
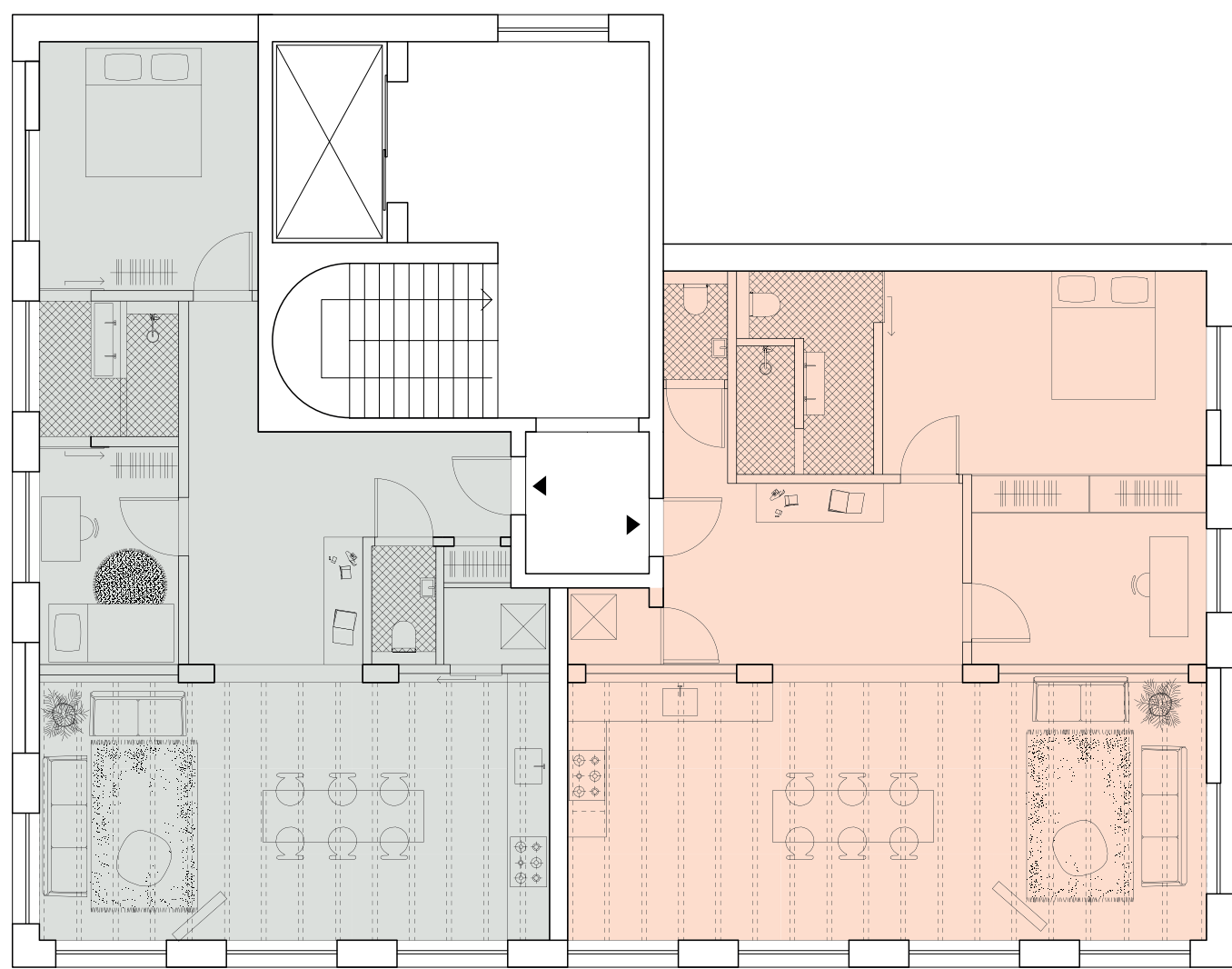


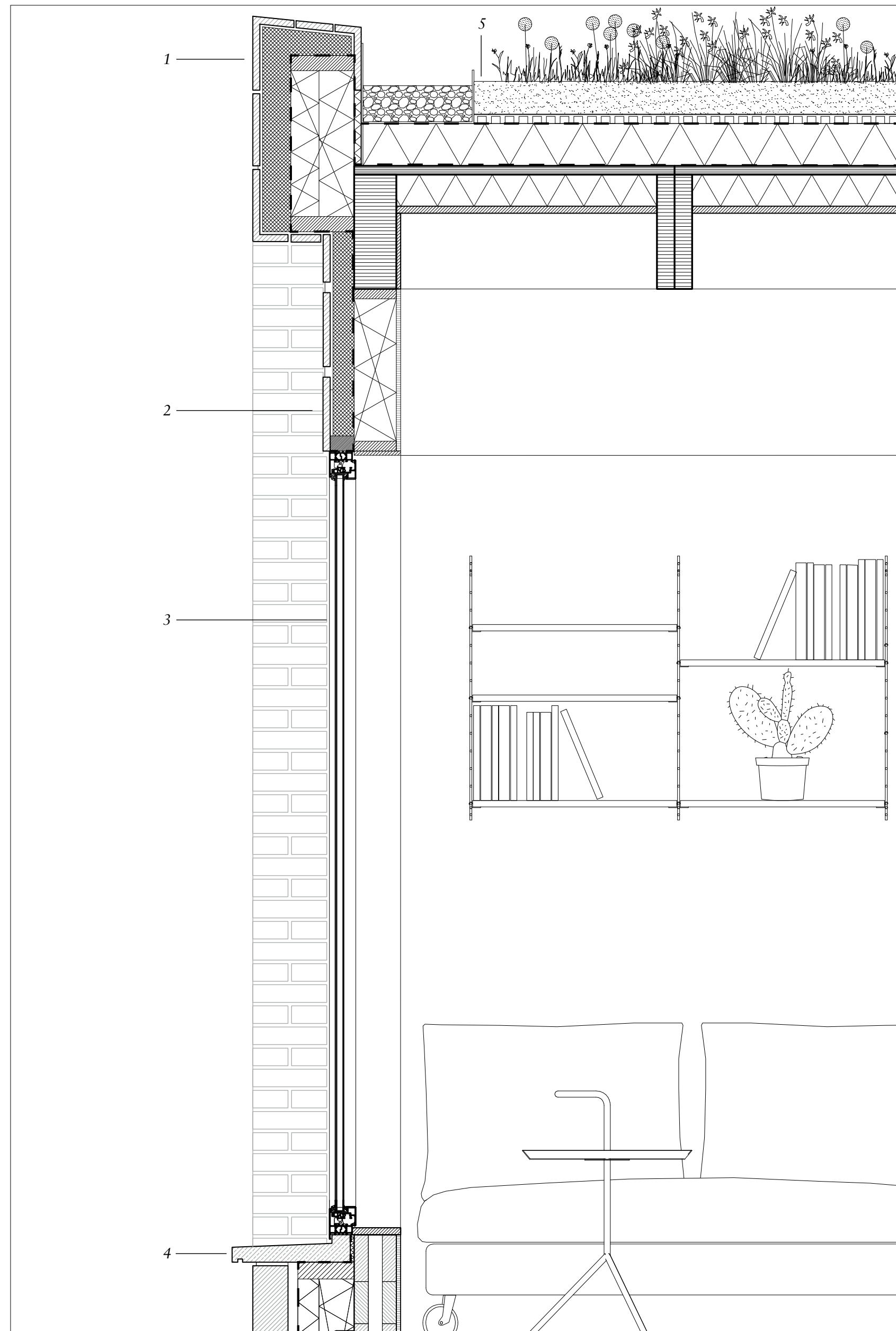


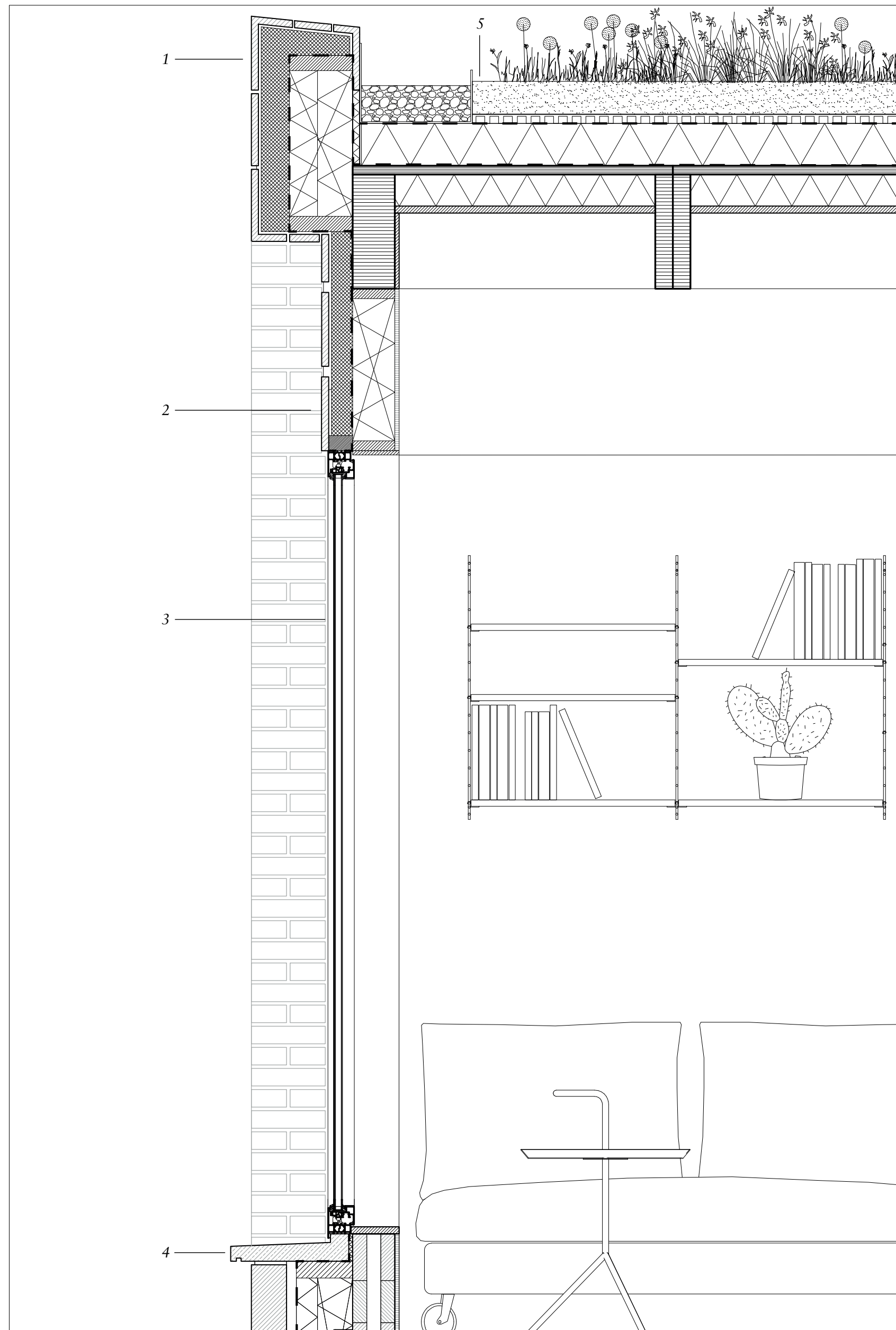


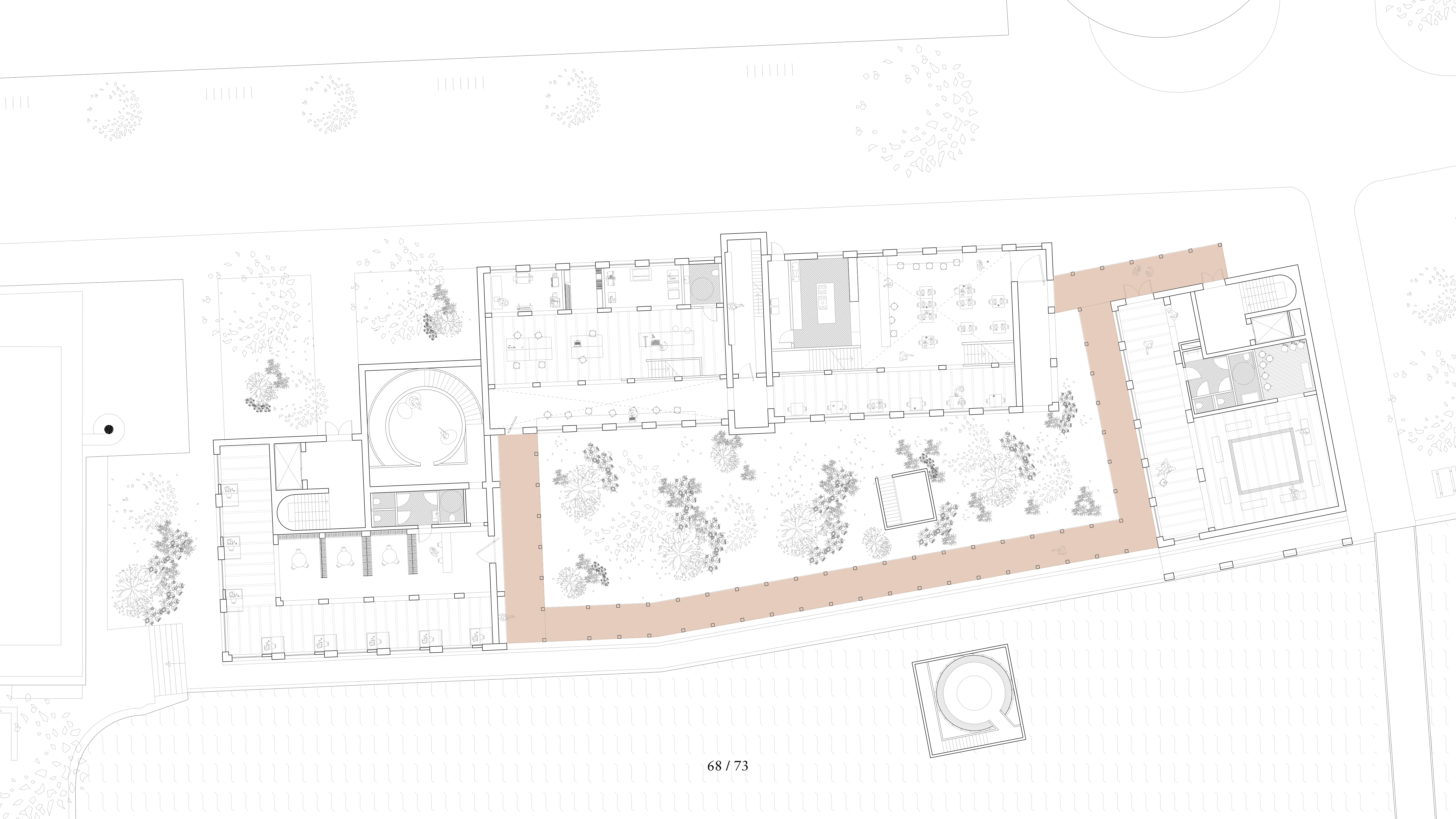


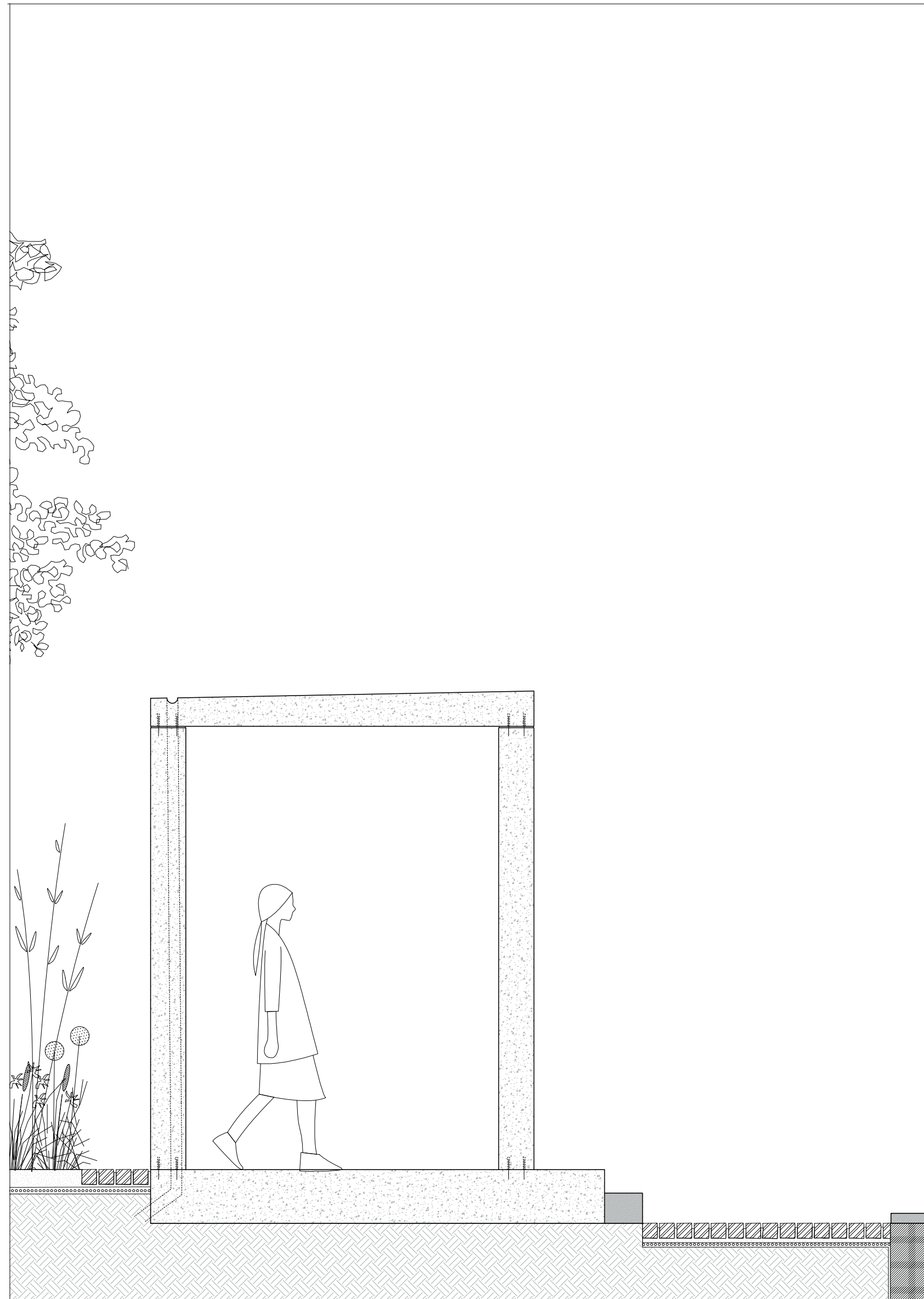




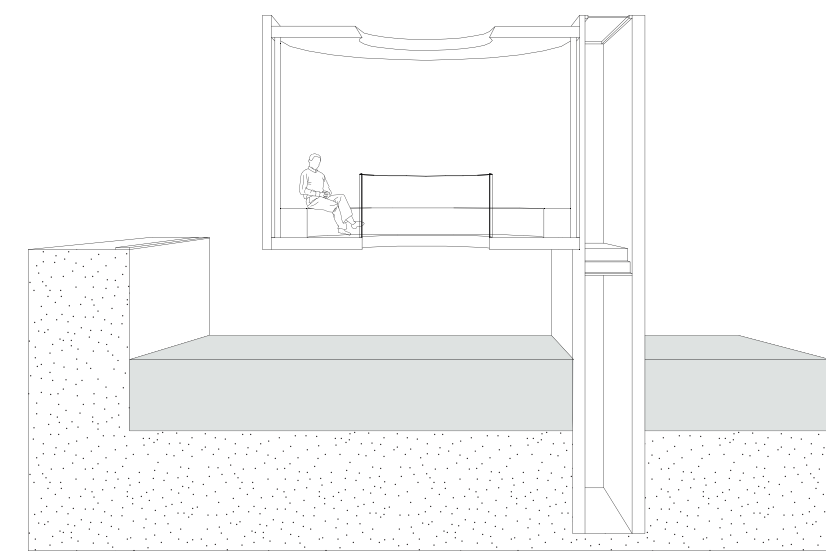
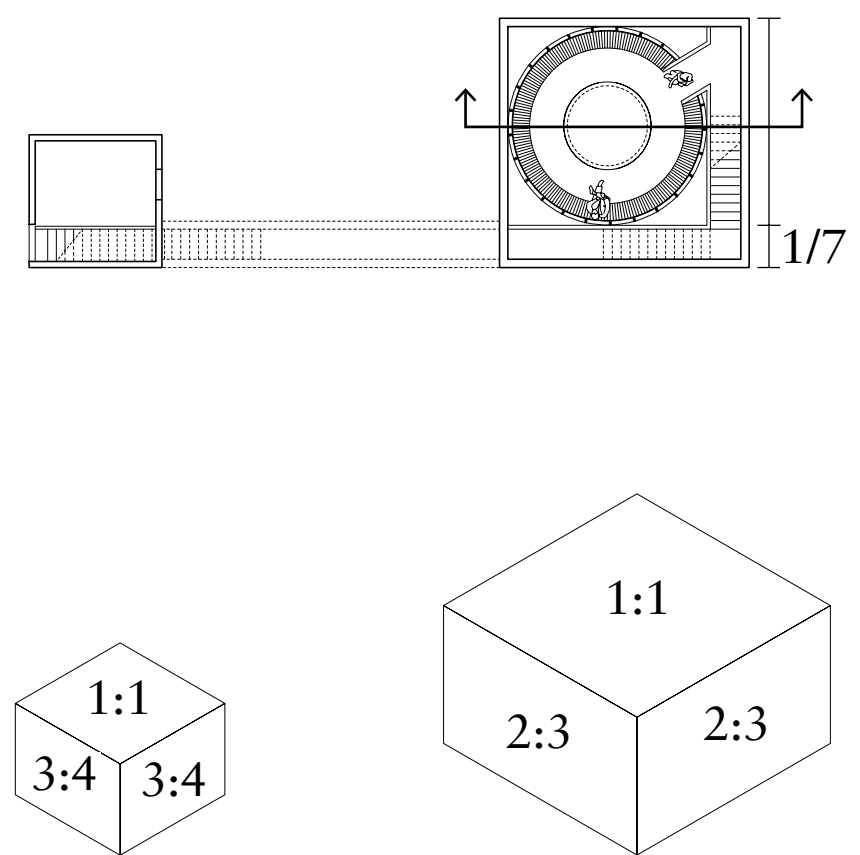
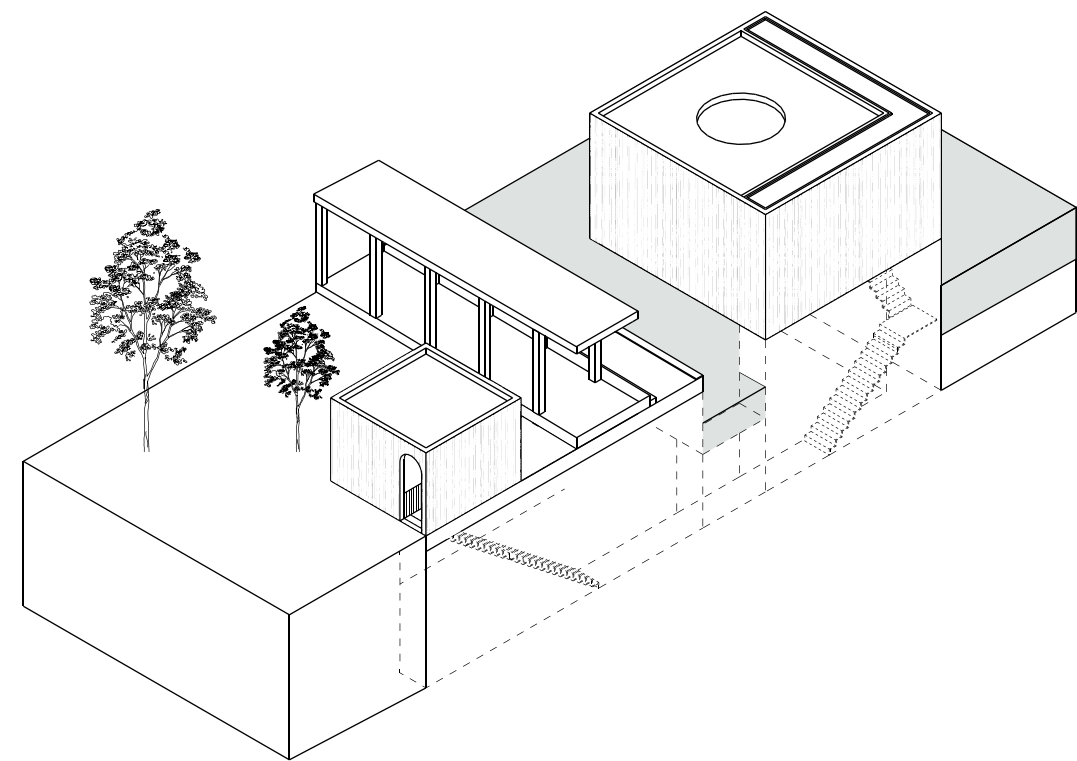














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