



BUILDING 027E - MARINETERREIN AMSTERDAM



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PROJECT:

Transformation
Building 027E
Marineterrein Amsterdam

PRINCIPAL:

Bureau **MARINETERREIN** Amsterdam

commissioned by
the Dutch State Property and Development Agency and
the City of Amsterdam:

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DATE:

12 June 2014 (feasibility study)
15 October 2014 (preliminary design)
2 March 2015 (information book)

STATUS:

under construction

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INTRODUCTION

The Marineterrein (naval premises) is at the beginning of a gradual transition from military complex to public area. The first part of the site, the historic Voorwerf ('front wharf'), was opened to the public in January 2015. The departure of the specified military components will ultimately be completed in 2018. The vacated buildings and land is managed by the Bureau Marineterrein Amsterdam, the project management agency that is supervising this development on the instructions of both the Dutch government and the City of Amsterdam. This cooperation, and the expected results, were specified in a management contract that was signed on 5 December 2013. See also www.marineterrein.nl.

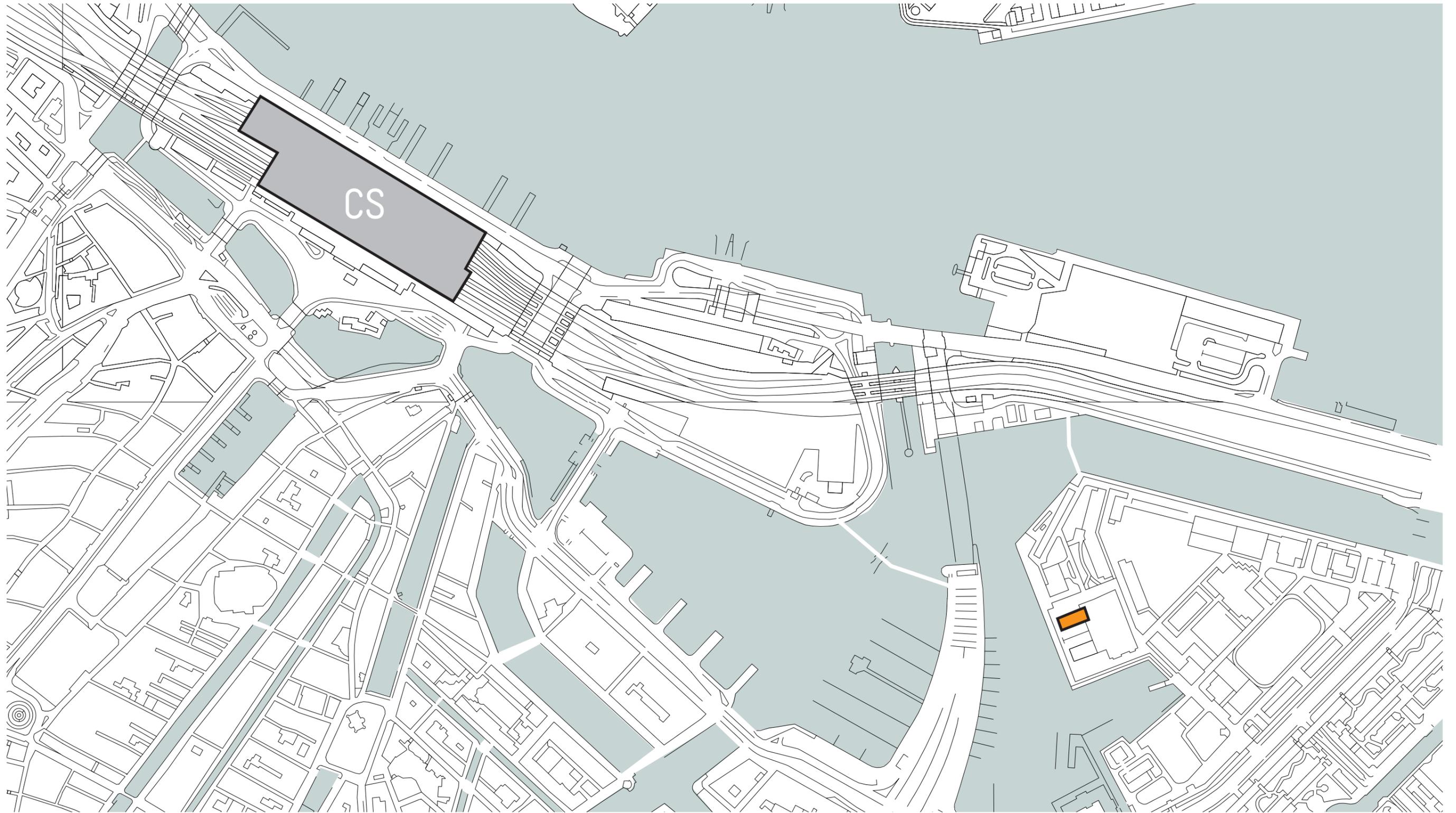
The northern part of building 27 consists of a bare concrete skeleton that has been finished with multiplex wall panels to provide a minimum level of weatherproofing. The Bureau Marineterrein has investigated how this part of building 27 can be made suitable for a new use, with an eye to the Dutch presidency of the EU in 2016.

Their conclusion was that Building 027E is well suited for transformation, both for temporary and permanent use. This document is a general information document about the new format for Building 027E.

Bureau **MARINETERREIN** Amsterdam



AMSTERDAM CENTRE







EXISTING BUILDING

Building 027E is directly opposite the NEMO Science Centre on the water. This is part of an ensemble of two slabs that were once identical, connected by a one-storey, low-rise building. The building used to be used for providing technical education to the military.

The two educational buildings arose from the ground in 1962, entirely in accordance with the architectural guru Le Corbusier's Five points of Architecture. In this period, the columns on which the building rest, the 'pilotis,' were pleasing elements of sculptural expression. It's the same with building 27. The rest of the building consists of a grid of columns, joists, and floors with brick end walls. A set of concrete emergency stairs leads to the water. All the concrete has been poured in situ: the grain of the shuttering planks is still nicely detailed in the visible concrete. Access is provided under the colossus in a subtle embedded entrance area.

No cultural history analysis has been made of Building 027E. Without trying to prejudge this, the building is not expected in the short term to become a national monument. This does not mean that it will not become a valuable building. They don't make buildings like this any more.





NEW BUILDING

SOUTH WALL

The insulating glazing in the south wall is installed in the same manner as in the north wall. The difference is that this wall also requires solar screening. The permanent solar screening consists of an arrangement of wooden slats measuring 70 by 100 mm. The wood used here is Accoya, an acetylated wood with excellent sustainable properties. This creates a pleasant pattern that provides adequate basic solar protection from both excessive heat and excessive light. If required, curtains can also be installed inside.

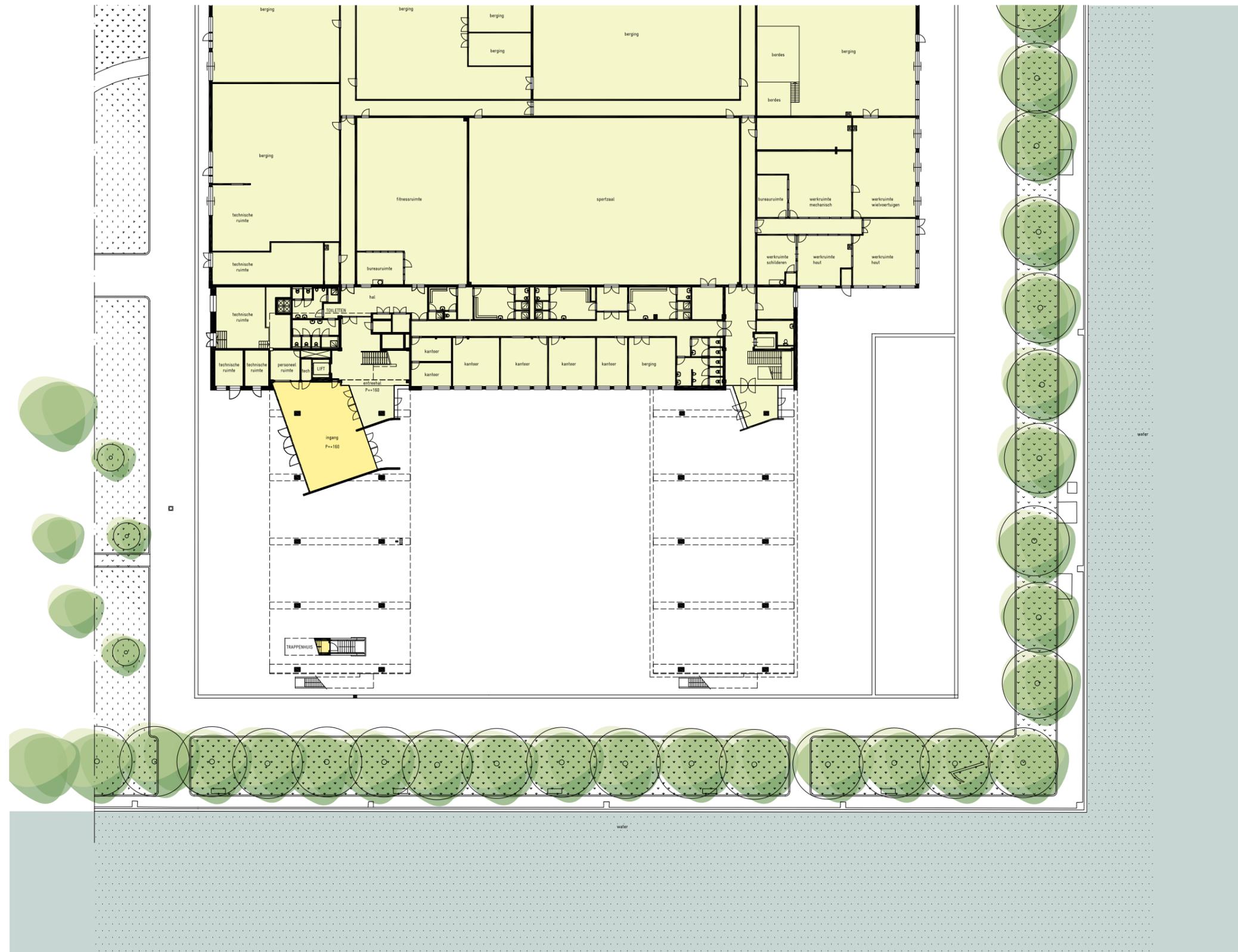


NORTH WALL

The north wall consists of large sections of glass. The light here is optimal. Every wall surface contains a cantilever window, so you can always open a window. This is important for the ventilation of the building, but also, and above all, for the comfort of the building.

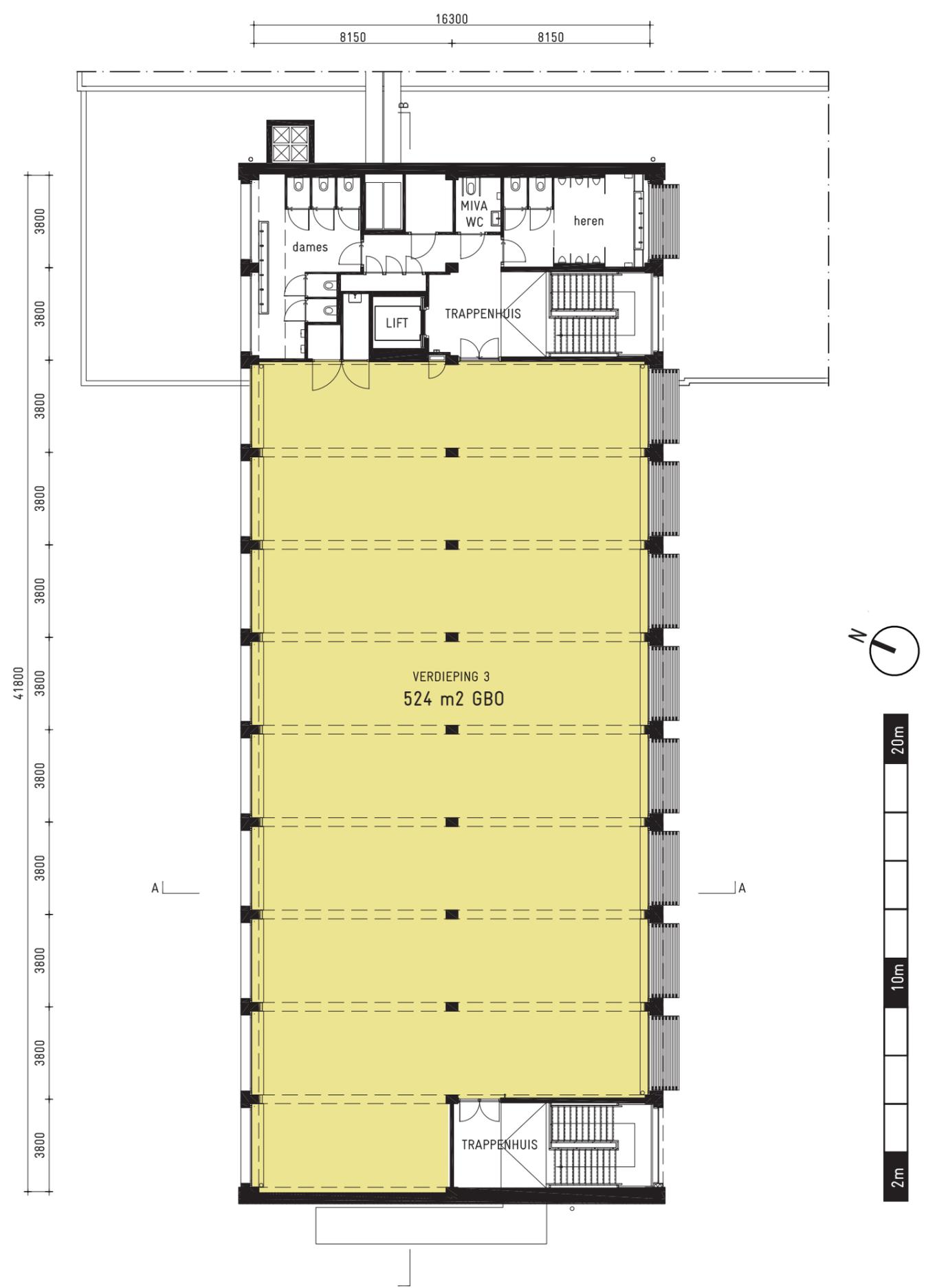
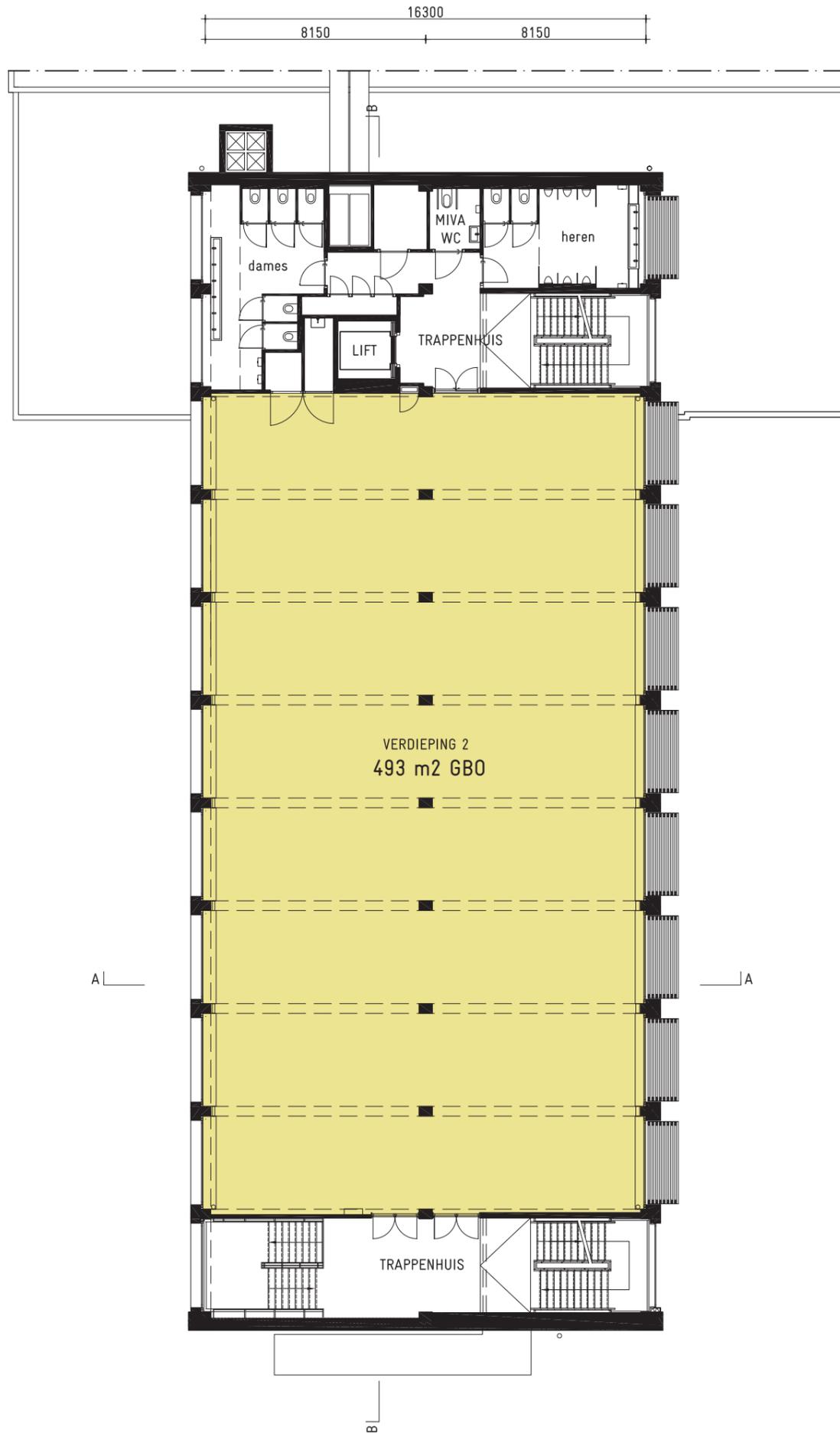
EXISTING SITUATION





2ND FLOOR

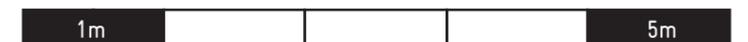
3RD FLOOR



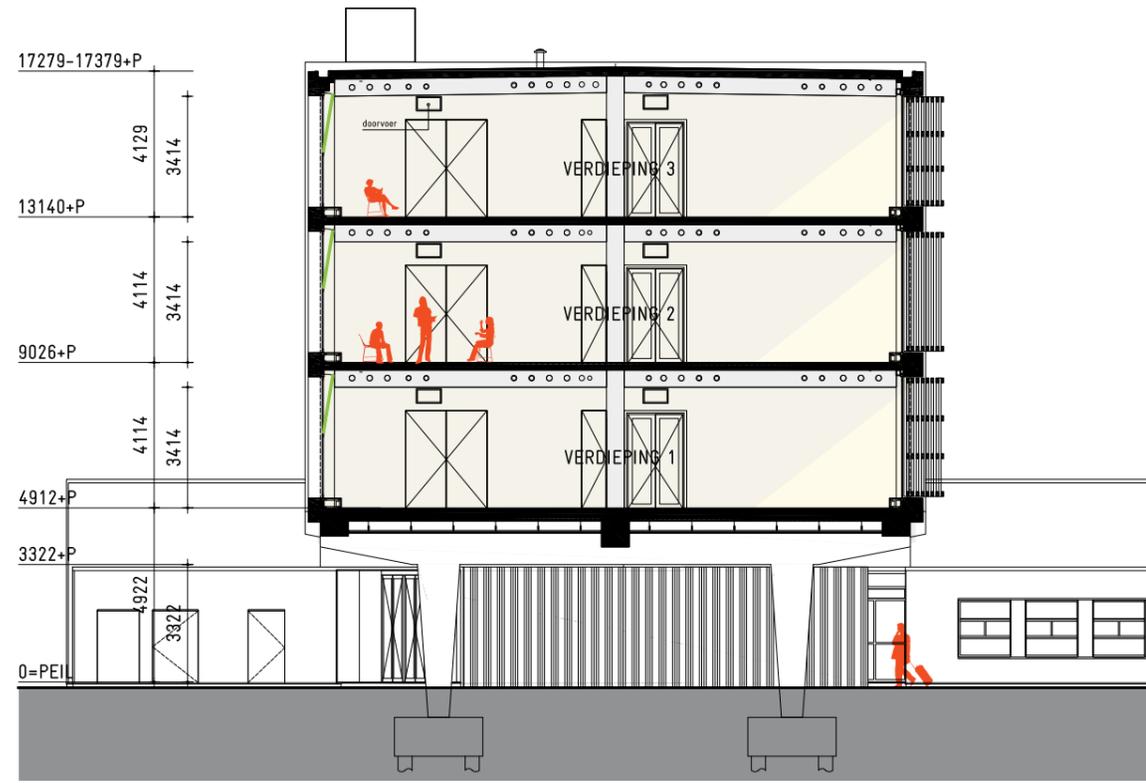
SERVICES



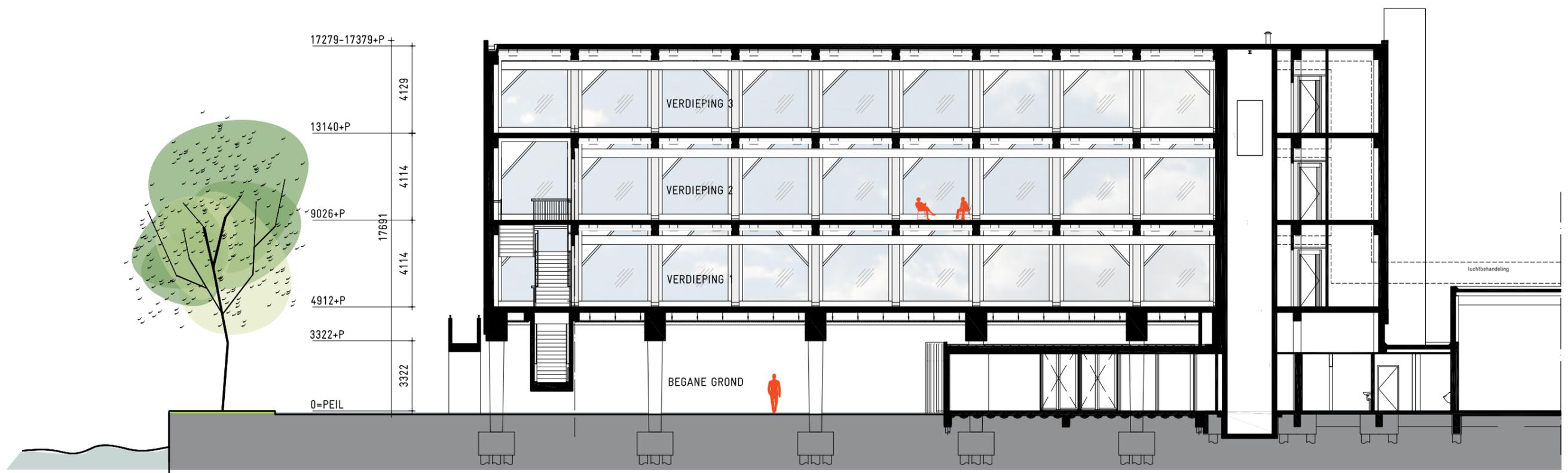
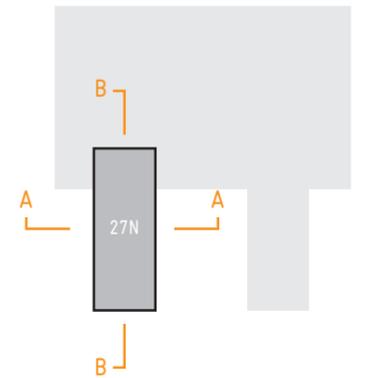
kern: 80m2 GBO



CROSS SECTIONS



DOORSNEDE AA

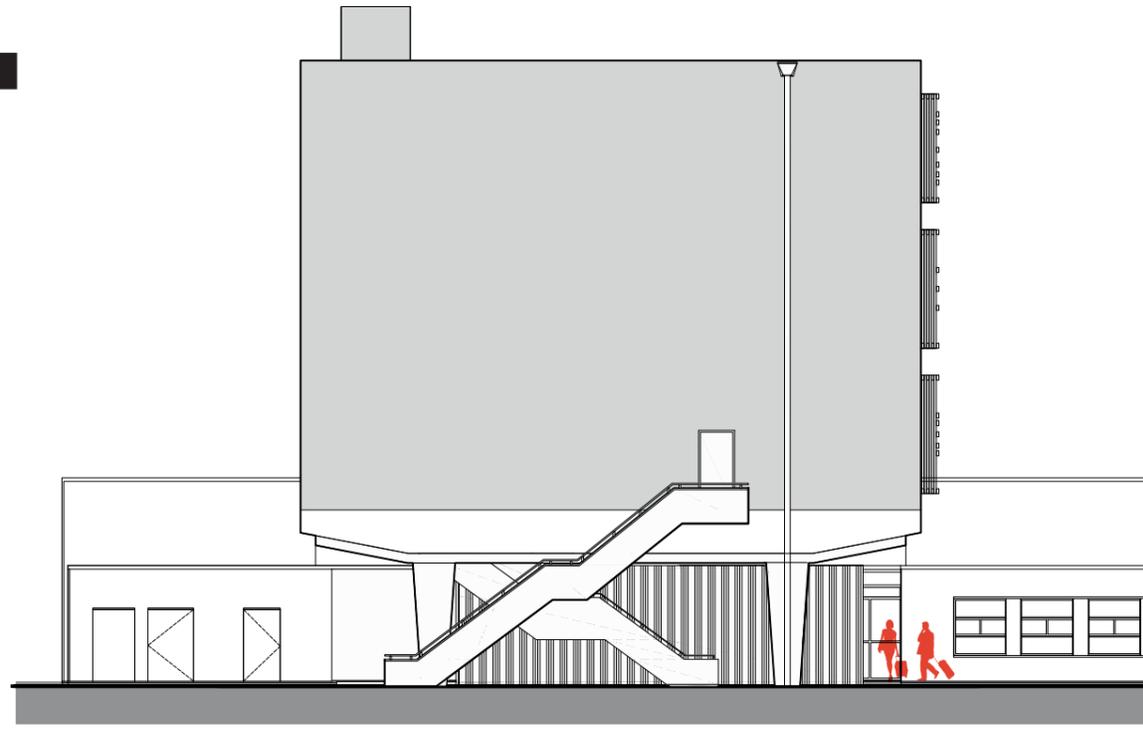


DOORSNEDE BB

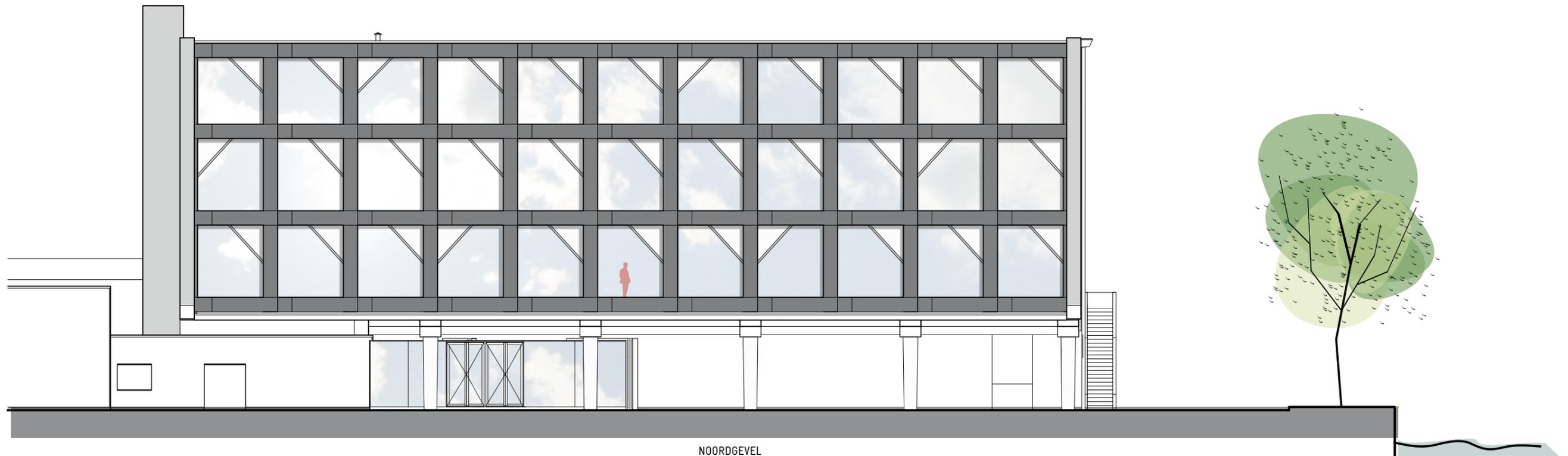
ELEVATIONS



The north wall consists of storey-height glass panels with opening sections. Little or no direct sunlight enters from this side. The view is therefore exploited to the full. The south walls have permanent solar protection.

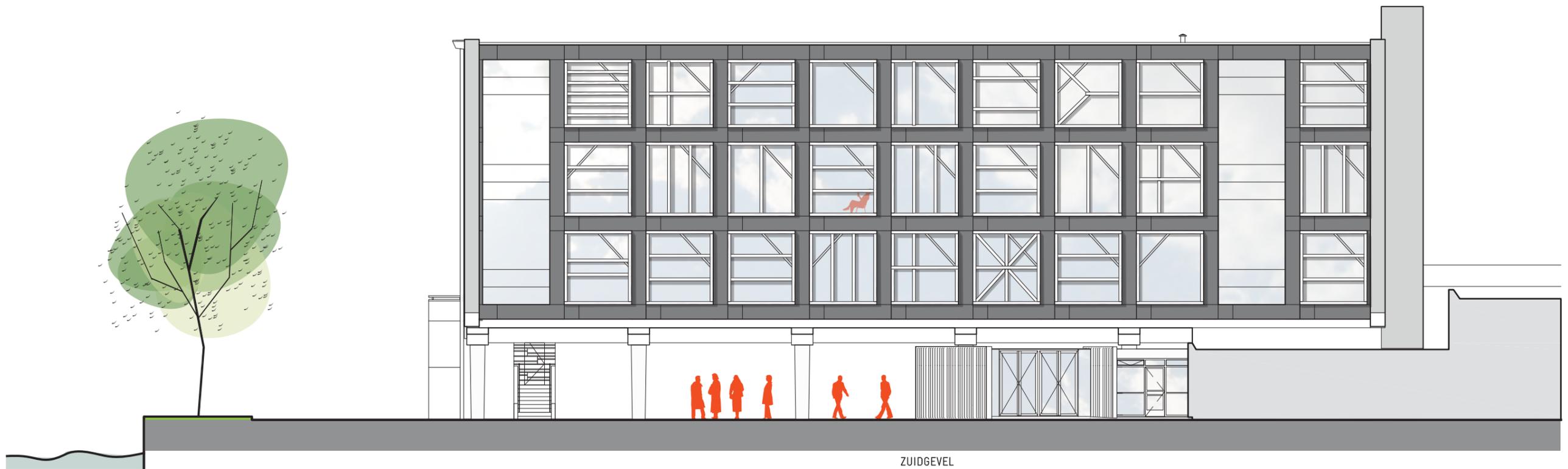


WESTGEVEL



NOORDGEVEL

ELEVATIONS



ZUIDGEVEL

SURFACES

INTERIOR FINISHING SCHEDULE

Finish and use

The living areas are delivered as carcass work. This means that the basic infrastructure has been completed but use-specific elements will still need to be added:

- The living areas are equipped with cooling.
- The living areas are equipped with a minimum number of light fittings. A lighting plan will be required, depending on use.
- There is no floor covering: the floating anhydrite floor is flat and in principle suitable as the subfloor for most types of floor covering.
- There are no acoustic facilities.
- The living areas are equipped with ample mechanical ventilation facilities. This can be easily extended, for example by adding cooling capacity.
- The building is equipped with an approved fire alarm system.

Cable ducts

A cable duct is located below the windows on both the front and back of the building. Each 3.80-metre section contains:

- two wall sockets
- one double data connection
- heating element

A cable duct is located on the ceiling in the middle of the room.

This contains:

- Wi-Fi connections
- electrical connections

Practical applications

The maximum permitted floor load is 400 kg/m². This is more than is required for office space, for example, which has a maximum permitted floor load of 250 kg/m². A floor load of 400 kg/m² corresponds to a 'light' meeting space. The maximum number of people permitted per floor is:

- 1st floor: 300 people
- 2nd floor: 250 people
- 3rd floor: 150 people

There is a further qualification that no more than 500 people may be present in the building.

floor	floor level	gross height (mm)	net height (mm)	net under beam (mm)	GFA (m2)	NIA (m2)	
ground floor	peil=0	4912	4210	3322	225	176	
1st floor	4912+P	4114	3914	3424	744	493	
2nd floor	9026+P	4114	3914	3424	744	493	
3rd floor	13140+P	4114	3914	3424	744	524	
totals					2457	1686	
comments:	Floor levels are measured to the top of the floor covering						
	Net height is from the top of the floor covering to the bottom of the existing concrete floor						

code	floor coverings	manufacturer:	type:	colour:	finish:
V0	no finishing				
V1	industrial parquet - bamboo	Moso International BV	BF-PR1060-DC	chocolate	2-component oil
V2	industrial parquet treads - bamboo	Moso International BV	BF-PR1060-DC	chocolate	2-component oil
V3	existing tiling				
V4	rubber	BSW	everroll uni I 4mm	Mons (black)	
V5	grey cast floor	bolidt	bolidtop 525	uni RAL 7037	
V7	stainless steel			polished	only in lift
V9	ashlar stone	existing on landings and stair treads		black	clean and repair
code wall finishing					
W0	no finishing				
W1	clean concrete				
W2	white plaster			RAL 9010	satin paint
W3	grey plaster	Sikkens	Alphatex IQ	RAL 7037	matt paint (scrub resistant)
W4	painted concrete			RAL 9010	satin paint
W5	wooden wall - bamboo	Moso International BV	BF-PR1060-DC	chocolate	2-component oil
W6	wooden wall - mahogany		veneered sheet - sapelli mahogany		colourless matt paint
W7	white moulded plaster		combed with a glue spreader		
W10	mirror				mirror lighting, see lighting plan
W11	clean masonry	existing			clean and repair
W12	wooden walls - Oregon pine (toilet blocks)		oregon pine kd		rift sawn, colourless matt paint
code ceiling finishing work					
P0	no finishing				
P1	painted prefab concrete	existing		RAL 9010	stairwells
P3	closed white plaster ceiling			RAL 9010	
P4	closed grey plaster ceiling			RAL 7037	
P6	existing modular ceiling				
P7	mirror				
P8	bamboo ceiling			chocolate	2-component oil
P9	clean concrete	existing			clean and repair
P10	ceilings - Oregon pine (toilet blocks)		oregon pine kd		rift sawn, colourless matt paint

INTERIOR FINISHING SCHEDULE

area	surface area	floor	wall	ceiling
ground floor				
new entrance	103 m2	V4	W2, W7	P3
existing entrance	25 m2	V3, V4	W2	P3
office	12 m2	V4	W2	P6
lift	2 m2	V1, V7	W5, W10	P7, P8
east stairwell	36 m2	V3	W2, W11	P1
west stairwell	17 m2	V2	W2	P3
technical areas	6 m2	V0	W0	P0
1st floor				
east stairwell	22 m2	V5, V9	W11	P1
west stairwell	60 m2	V5, V9	W11, W2	P1
hall	19 m2	V5	W2, W6	P3
women's toilet	28 m2	V5	W3, W10, W12	P4, P9, P10
men's toilet	22 m2	V5	W3, W10, W12	P4, P9, P10
disabled toilet	4 m2	V5	W3, W10, W12	P4
cleaning	3 m2	V5	W2	P0
1st floor area	493 m2	V0	W2, W1	P0
SER/MER technical room	4 m2	V5	W2	P0
other technical rooms	8 m2	V0	W0	P0
2nd floor				
stairwell - east	22 m2	V5, V9	W11	P1
stairwell - west	60 m2	V5, V9	W11, W2	P1
hall	19 m2	V5	W2, W6	P3
women's toilet	28 m2	V5	W3, W10, W12	P4, P9, P10
men's toilet	22 m2	V5	W3, W10, W12	P4, P9, P10
disabled toilet	4 m2	V5	W3, W10, W12	P4
cleaning	3 m2	V5	W2	P0
2nd floor area	493 m2	V0	W2, W1	P0
SER/MER technical room	4 m2	V5	W2	P0
other technical rooms	8 m2	V0	W0	P0
3rd floor				
east stairwell	22 m2	V5, V9	W11	P1
west stairwell	30 m2	V5, V9	W11, W2	P1
hall	19 m2	V5	W2, W6	P3
women's toilet	28 m2	V5	W3, W10, W12	P4, P9, P10
men's toilet	22 m2	V5	W3, W10, W12	P4, P9, P10
disabled toilet	4 m2	V5	W3, W10, W12	P4
cleaning	3 m2	V5	W2	P0
3rd floor area	524 m2	V0	W2, W1	P0
SER/MER technical room	4 m2	V5	W2	P0
other technical rooms	8 m2	V0	W0	P0

code	sanitary facilities			
	toilet	Duravit 370x540	Darling New #254509	00 (white)
	toilet seat	Duravit 370x620	Darling New #006989	00 (white)
	disabled toilet	Duravit	Darling New #254409	00 (white)
	disabled toilet seat	Duravit	Darling New #082336	00 (white)
	toilet flush plate	Geberit	Sigma 10	matt brushed stainless steel
	urinal	Duravit	Fizz #0293107	00 (white)
	urinal flush plate	Geberit	Sigma 10 130x130	matt brushed stainless steel
	built-in reservoir	Geberit	Sigma UP320	n/a
	built-in reservoir	Geberit	Duofix urinal element	n/a
	washbasin	maatwerk / DK Polyester		TBD
	washbasin tap	Grohe	Eureco Cosmopolitan E	000 (chrome)
	washbasin drain	Easy Drain	Compact 30 FF Tile	matt brushed stainless steel
	soap dispenser	Bobrick	B8221 100 mm spout	polished stainless steel
	hand dryer	Franke	RODX310	matt brushed stainless steel
	waste bin	Dutch Bins	self-closing waste bin 20 litres	matt brushed stainless steel
	waste bag dispenser	Bobrick	B-3541	matt brushed stainless steel
	women's toilet waste bin	Bobrick	B-353	matt brushed stainless steel
	toilet roll holder	Bobrick	B-3888	matt brushed stainless steel
	disabled toilet roll holder	Qbic-line	6820 surface mounted	matt brushed stainless steel
	toilet brush	Wagner Ewar	WP 161	matt brushed stainless steel
	bag/coat hook	Bobrick	B-542	matt brushed stainless steel
	disabled wall brackets	JadaCare	fold-up 210075	polished stainless steel
	cleaner's sink	Alape	AG 50.5	white
	cleaner's sink tap	Kludi	Standard Terralux	chrome
	free/occupied	D Line	16L solid 38 mm	matt brushed stainless steel
	disabled free/occupied	D Line	16L solid 38 mm disabled	matt brushed stainless steel
code	installations			
I1	switches	Jung	LS 990	RAL 9010
I2	covering between radiators	rvs diameter 160		matt brushed stainless steel
I3	lift	KONE	Monospace 500	SMALL frame

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