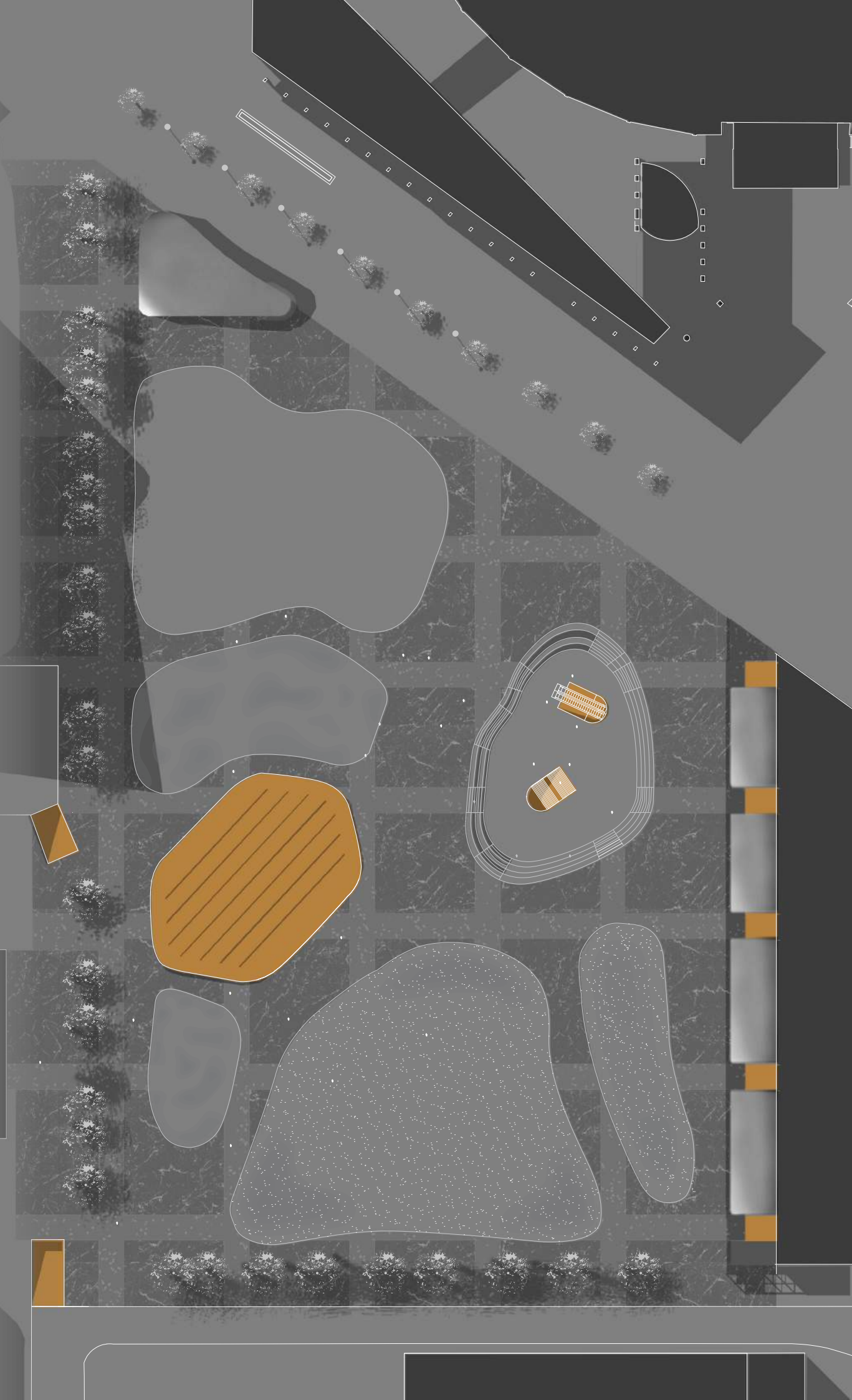


M E T A

M A R K T



STEDELIJK METABOLISME

ONTWERPEN VOOR
EEN CIRCULAIRE ECONOMIE
LENNART BROUWER

TURORS: OLV KLIJN - YPE CUPERUS - BOB GELDERMANS - SIEBE BROERSMA

GECOMMITTEERDE: DAAN VITNER

14-03-2018

INHOUD

LOCATIE	6
VRAAG	11
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LOCATIE



ARENAPARK

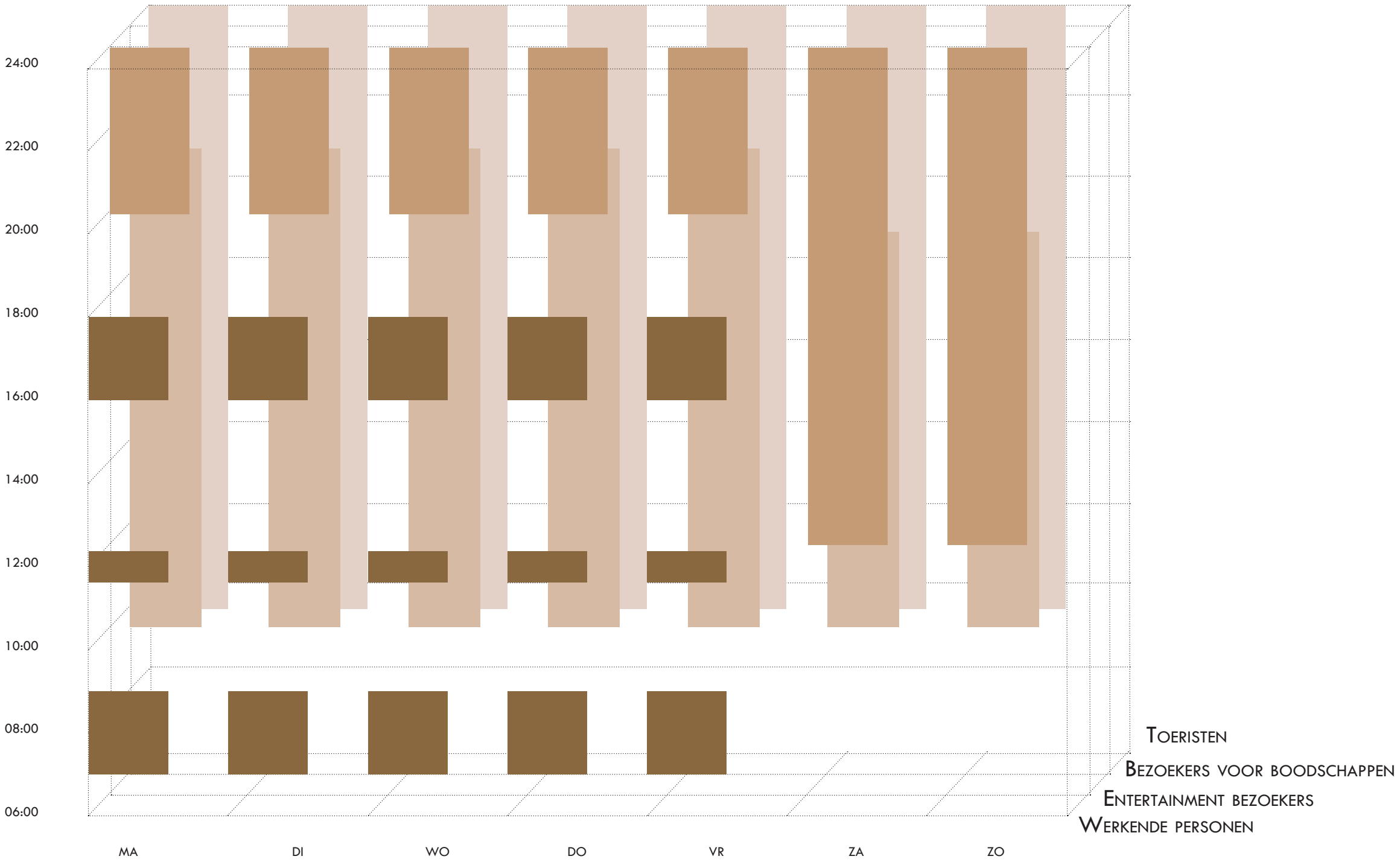


Situatie
Schaal 1:10.000



Bron: www.Arenapark.nu

AANWEZIGHEID PERSONEN OP ARENAPARK

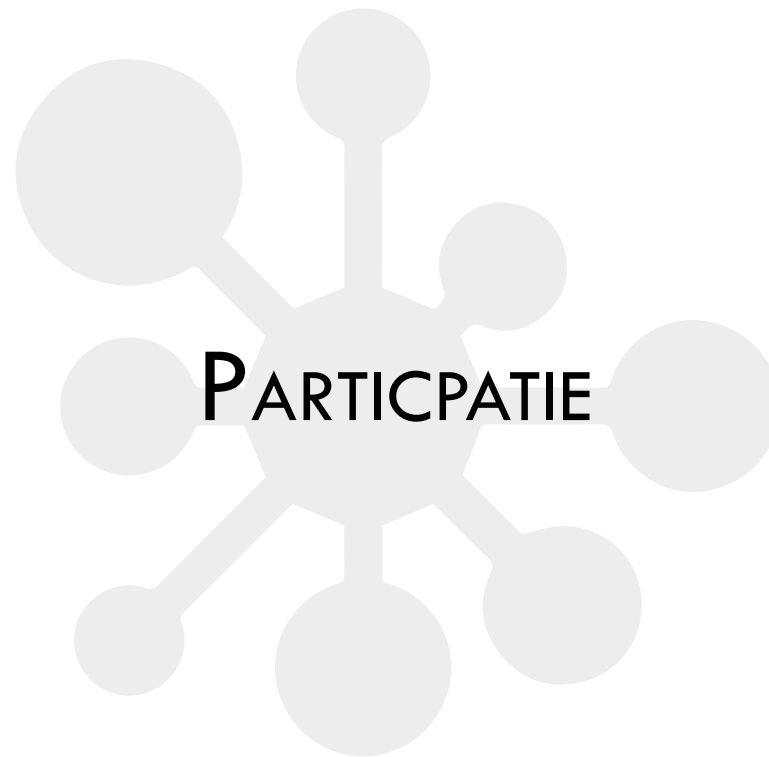


VRAAG



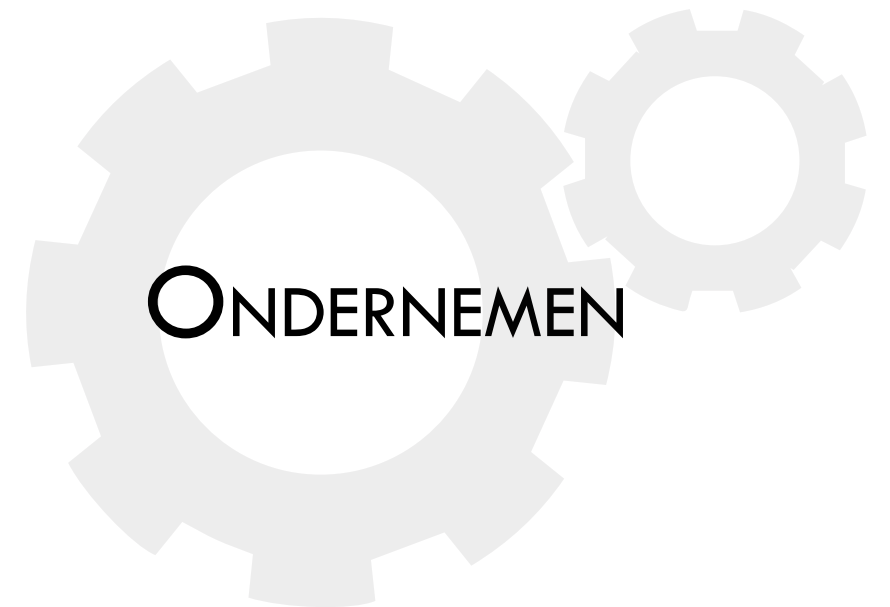
WERK

IN AMSTERDAM ZUID-OOST
HEERST VEEL WERKLOOSHEID
ONDER LAGEROPGELEIDEN



PARTICIPATIE

EEN GROOT DEEL VAN DE BE-
VOLKING VOELT ZICH EENZAAM
EN BUITENGESLOTEN VAN DE
MAATSCHAPPIJ



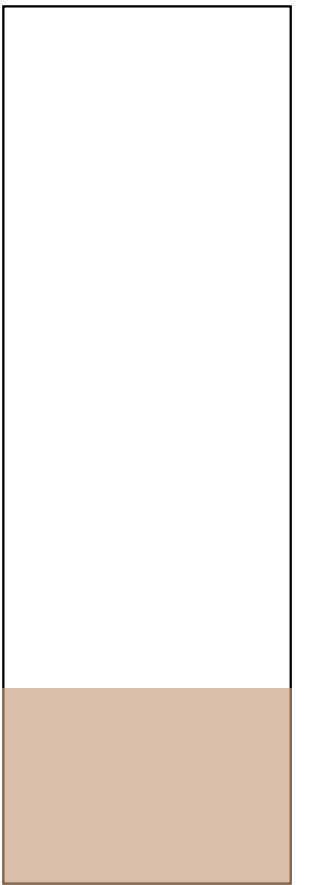
ONDERNEMEN

IN AMSTERDAM ZUID-OOST IS
VEEL BEHOEFTE AAN ONDERNE-
MEN.

MATERIAALSTROMEN



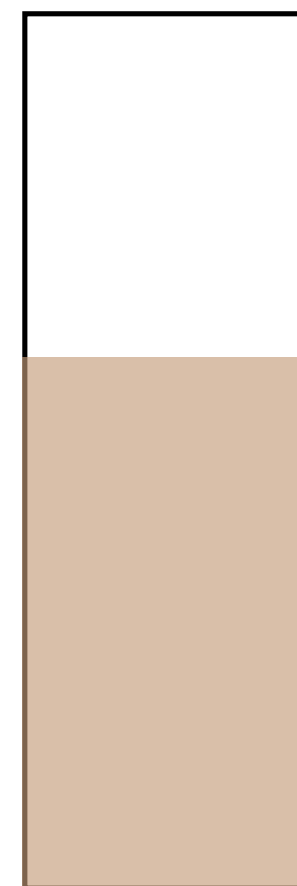
POTENTIEEL GEBRUIK
OPSLAGRUIMTE VOOR
MATERIALEN IN EEN
STRAAL VAN 150 M



19 %



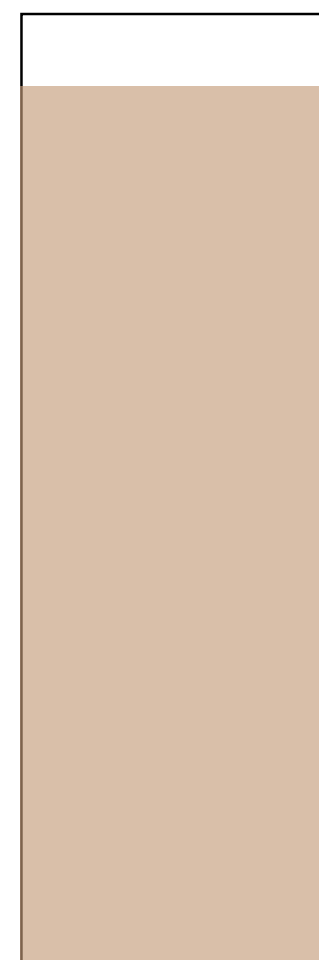
POTENTIEEL GEBRUIK
OPSLAGRUIMTE VOOR
MATERIALEN IN EEN
STRAAL VAN 500 M



63 %

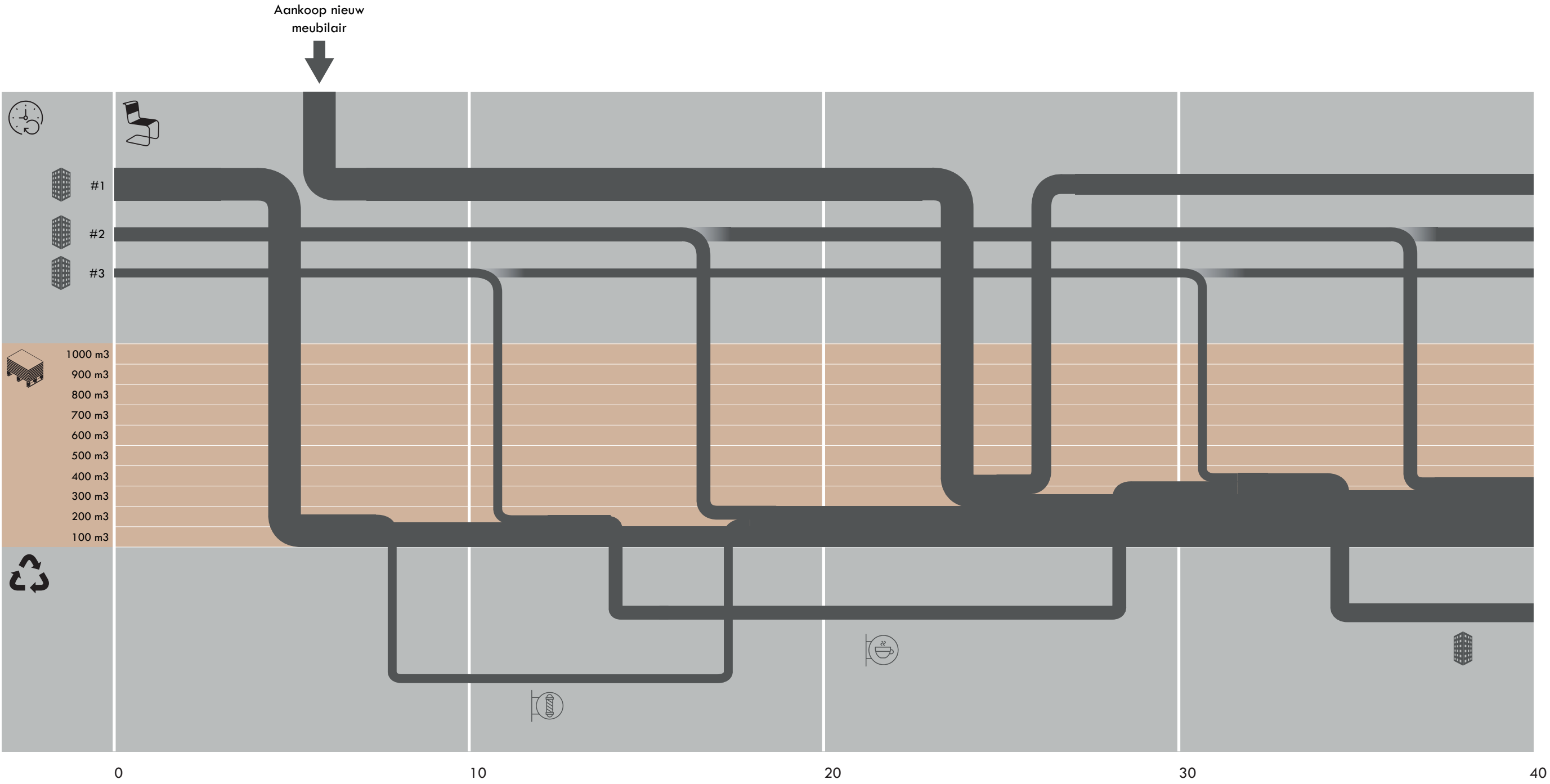


POTENTIEEL GEBRUIK
OPSLAGRUIMTE VOOR
MATERIALEN IN EEN
STRAAL VAN 750 M

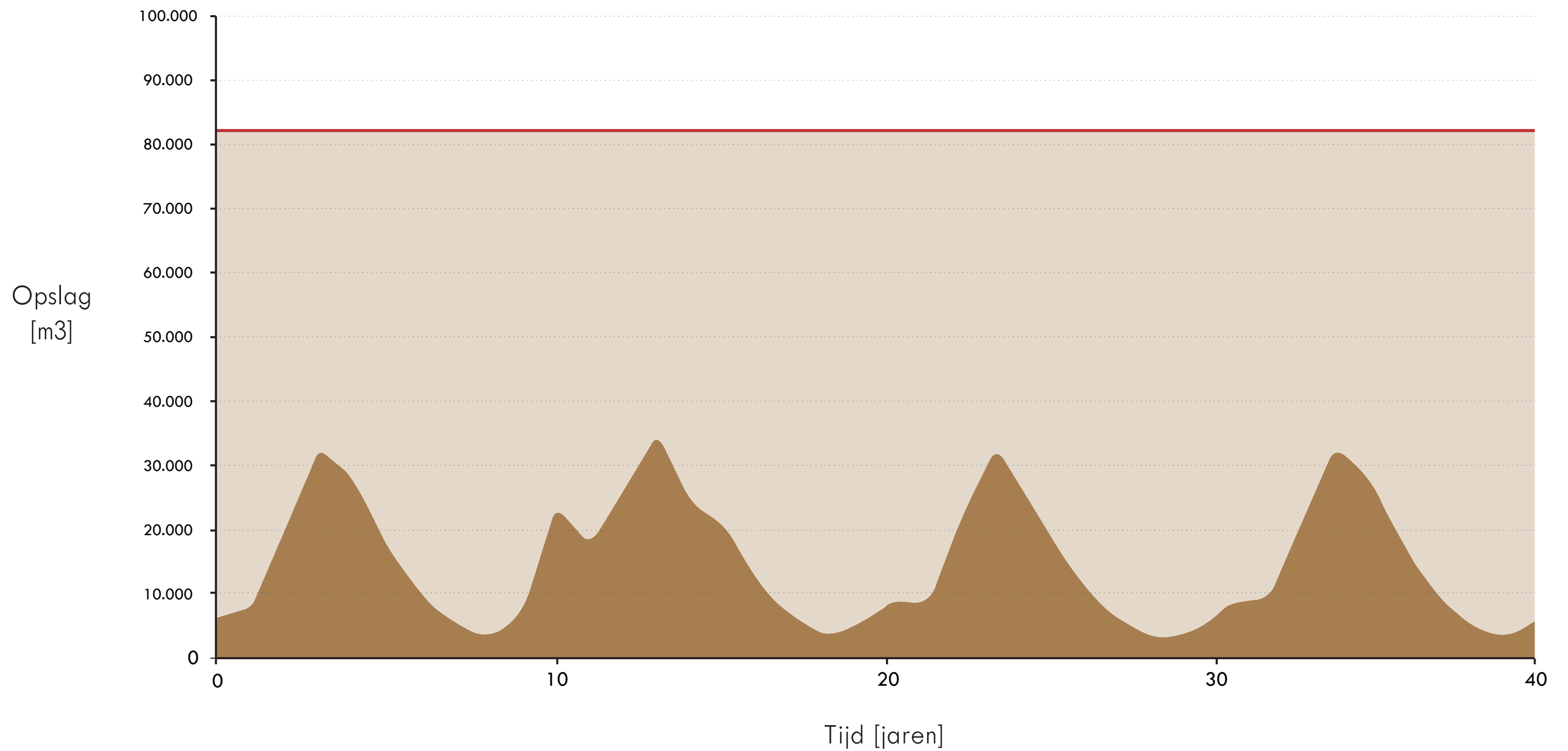


92 %

GROEI EN KRIMP INHOUD MAGAZIJN

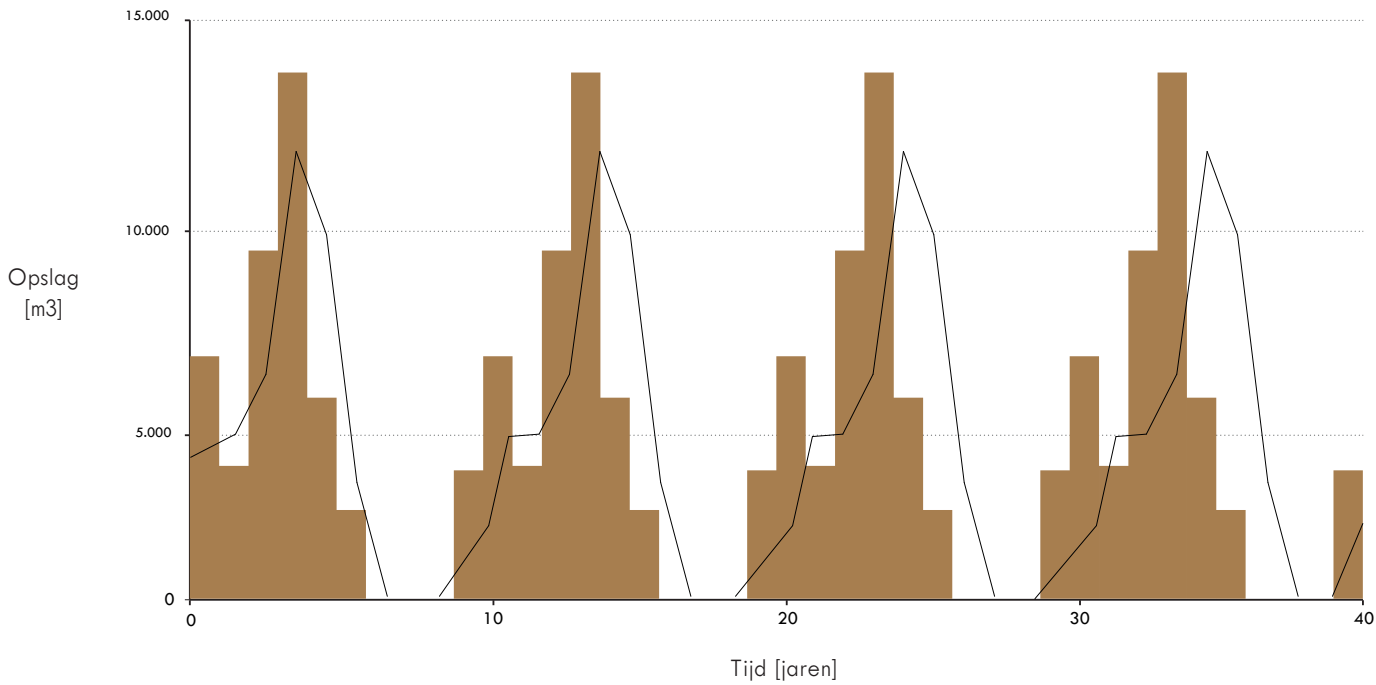


HOEEVEELHEID MATERIALEN IN EEN STRAAL VAN 150 M ROND HET ARENAPARK



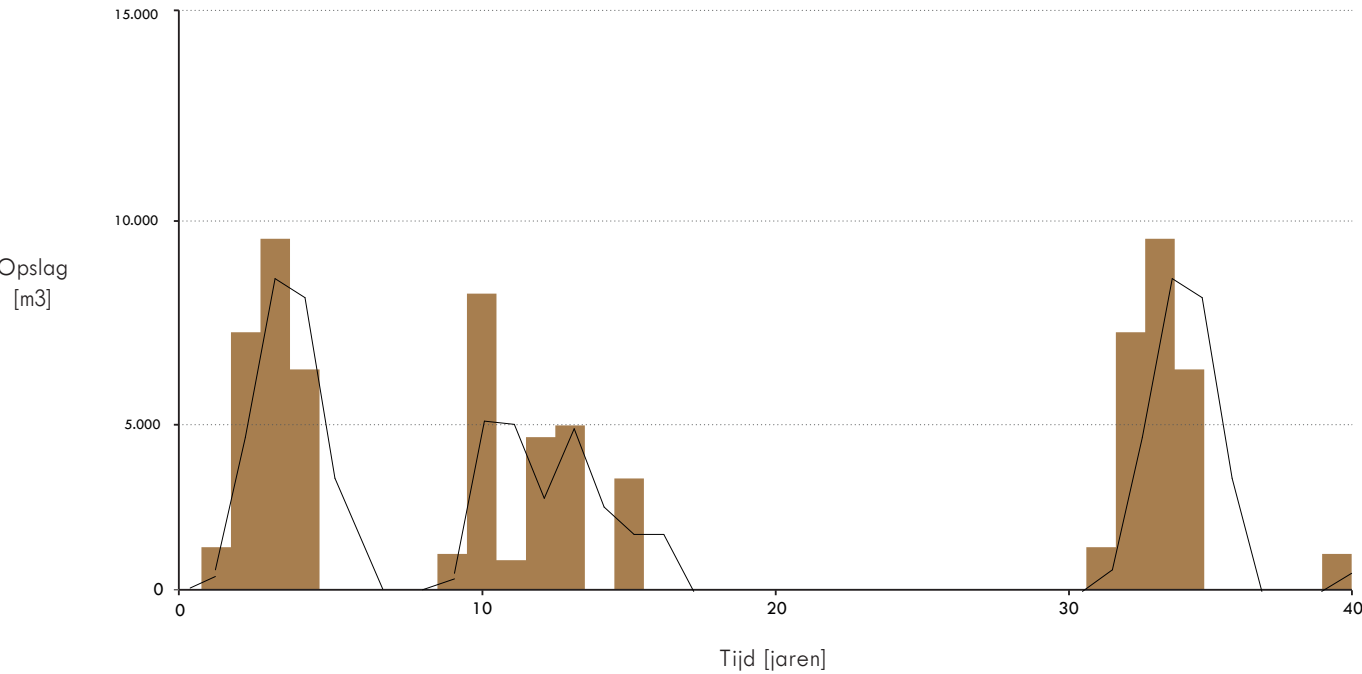
MATERIAALKRINGLOPEN IN KAART

MEUBILAIR



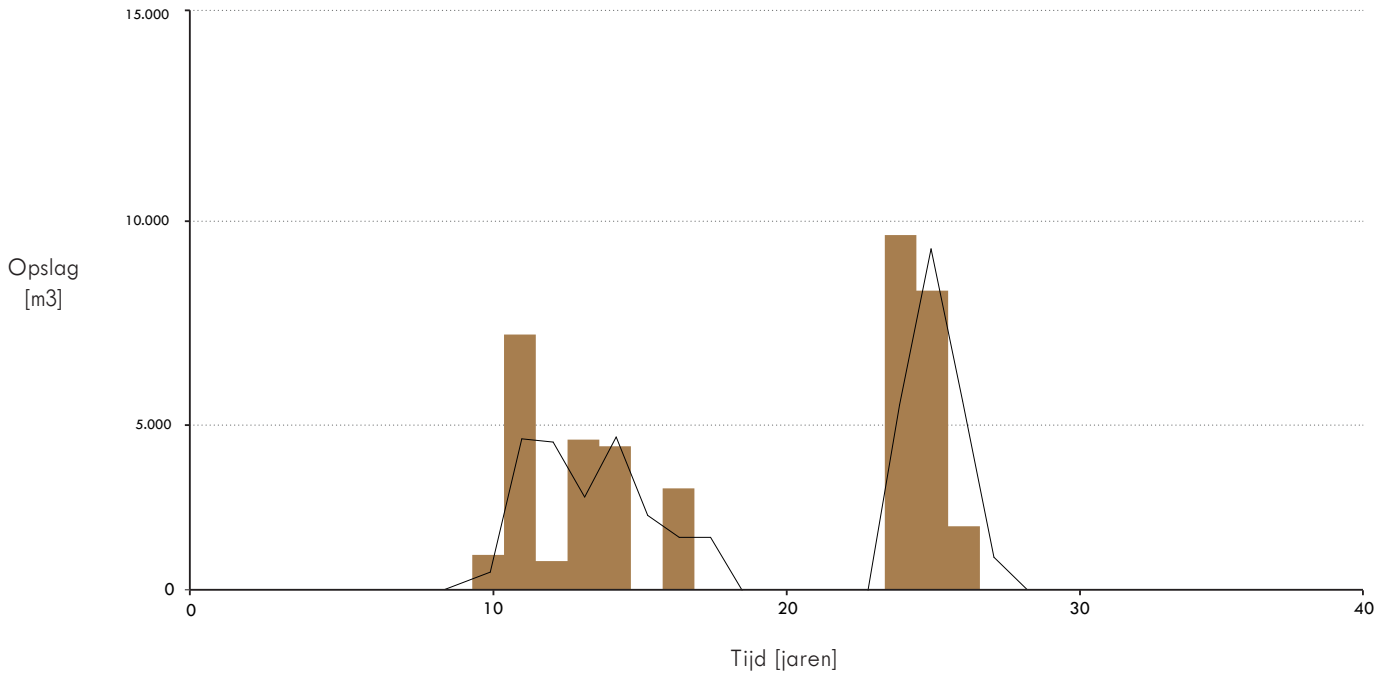
Afschrijfperiode meubilair: 10 jaar

INBOUW



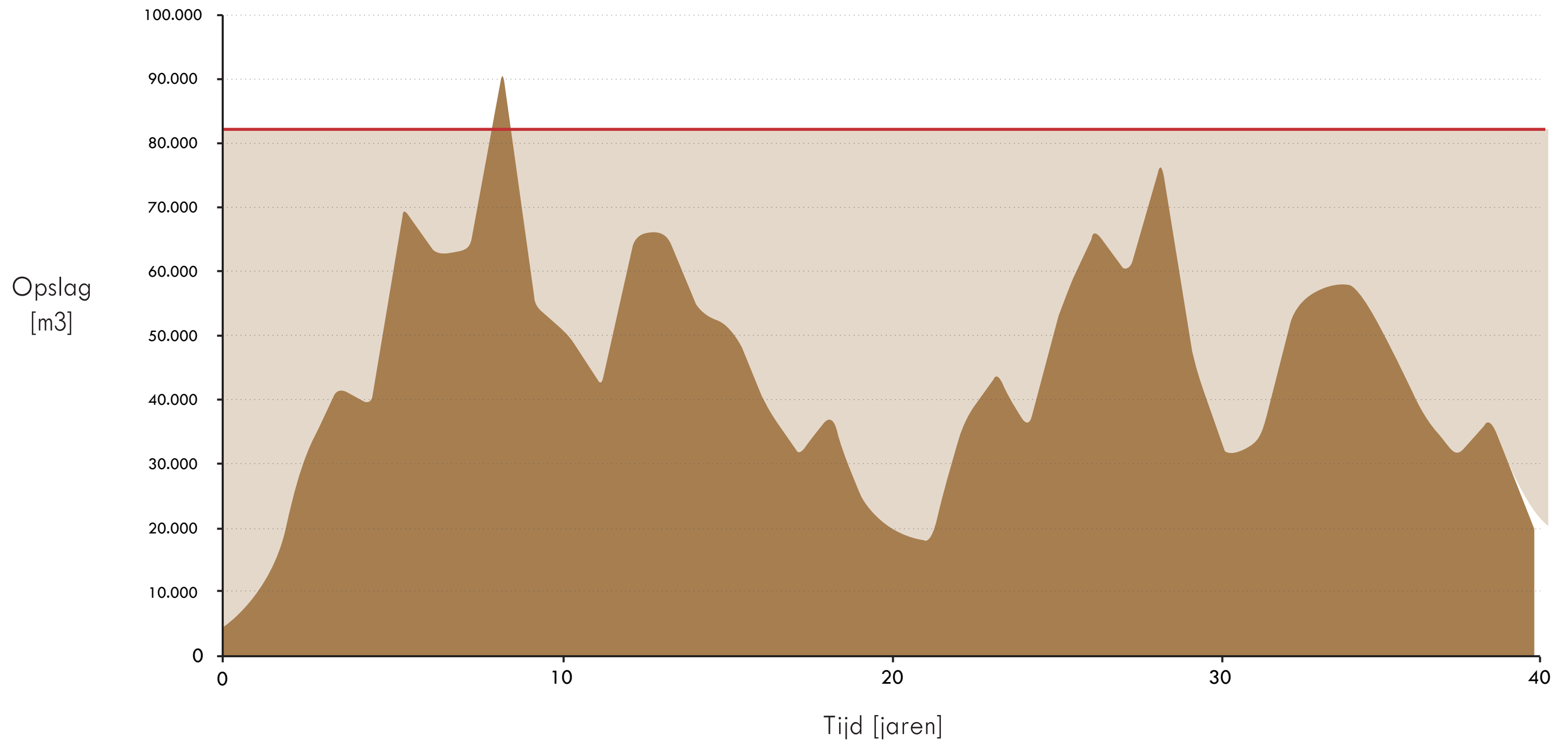
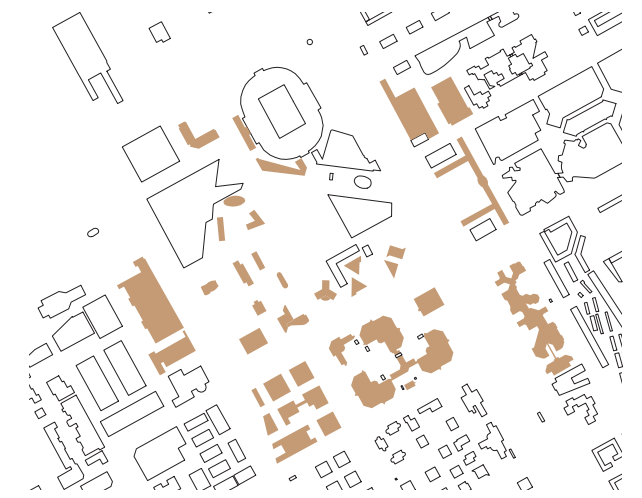
Afschrijfperiode inbouw: 20 jaar

GEVEL

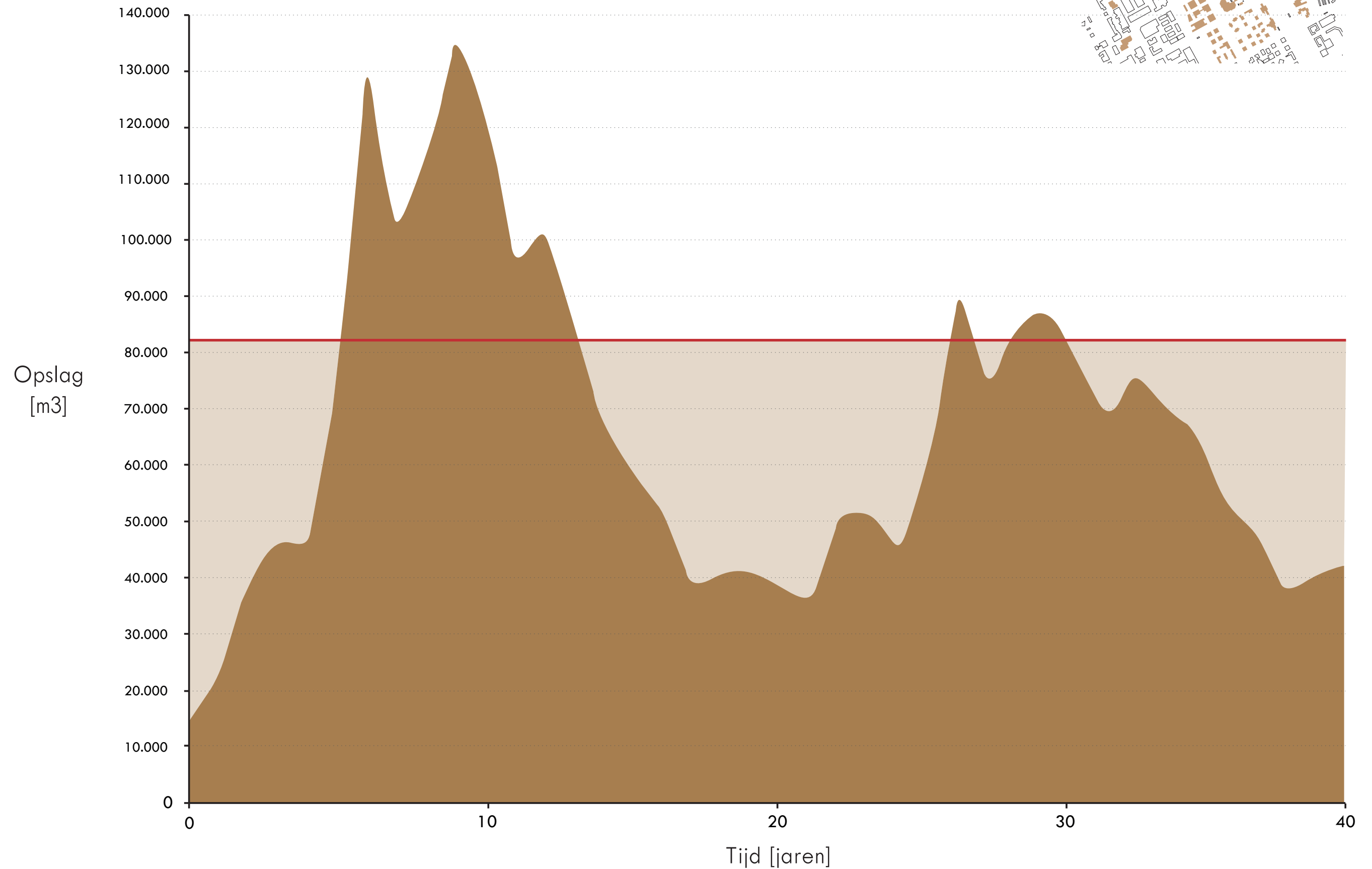
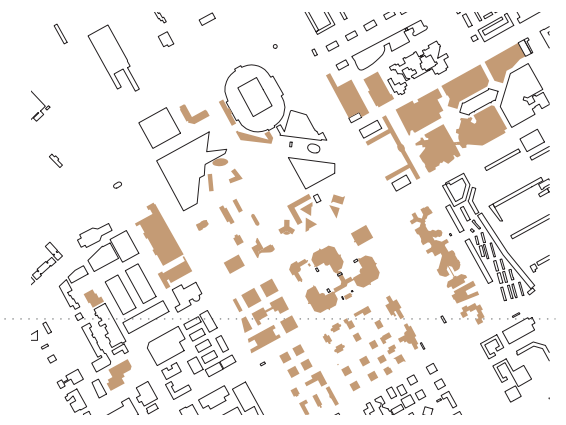


Afschrijfperiode gevel: 40 jaar

HOEEVEELHEID MATERIALEN IN EEN STRAAL VAN 500 M ROND HET ARENAPARK



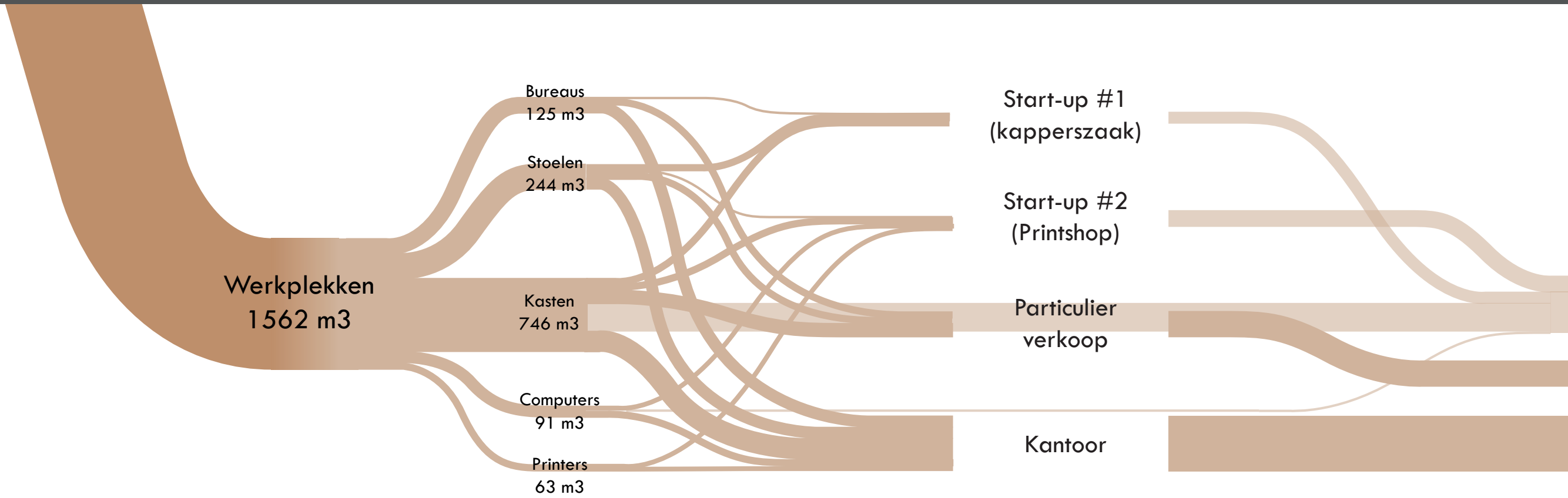
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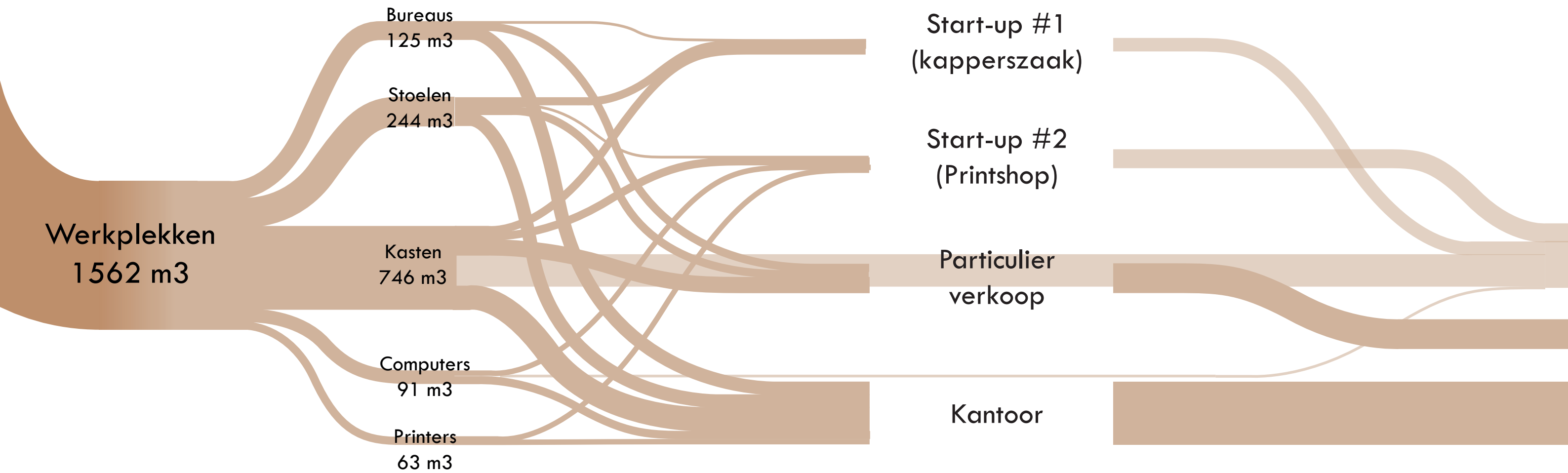


MEUBILAIR (2544 M3)

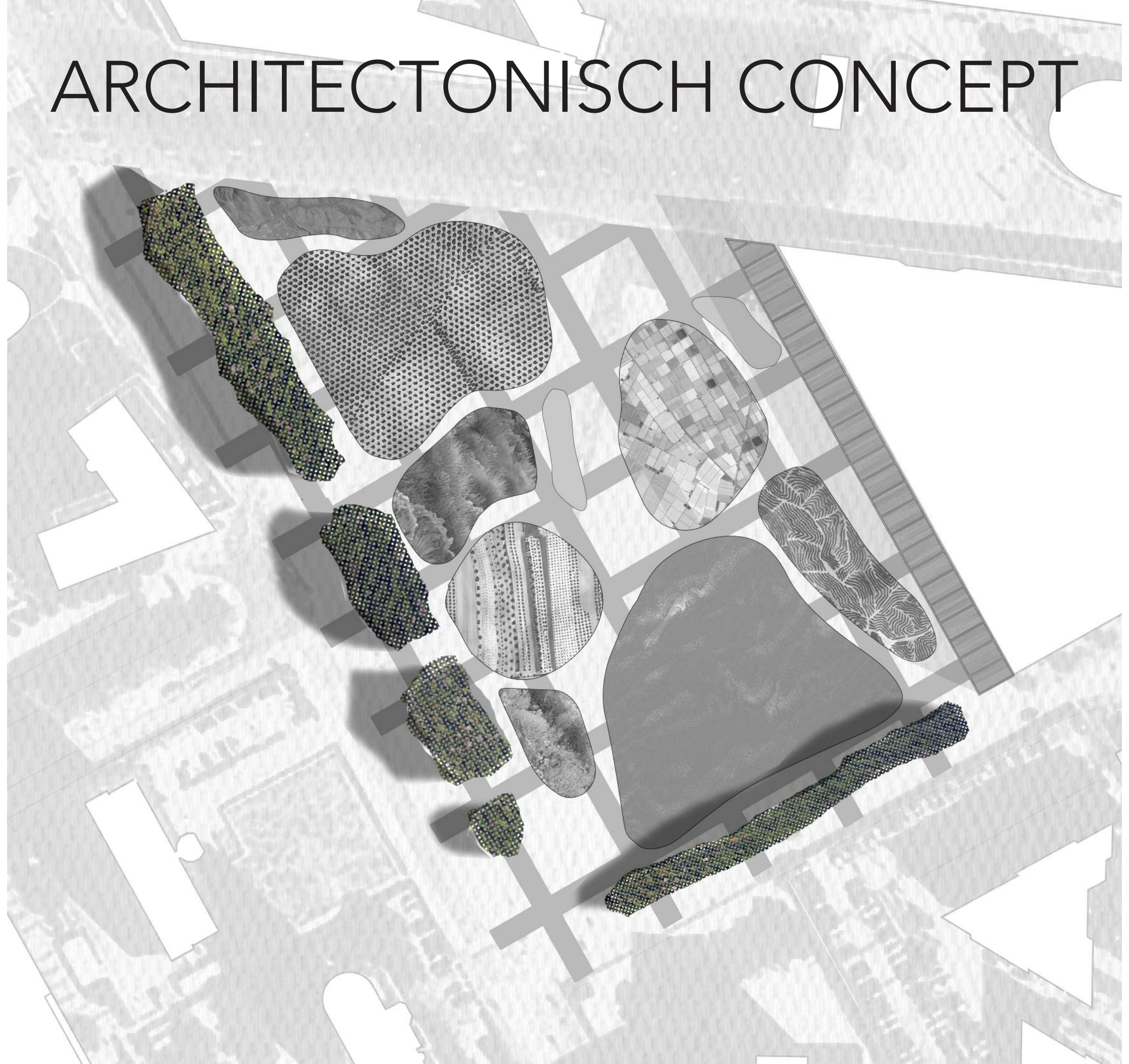
INBOUW (3868 M3)

GEVEL (741 M3)

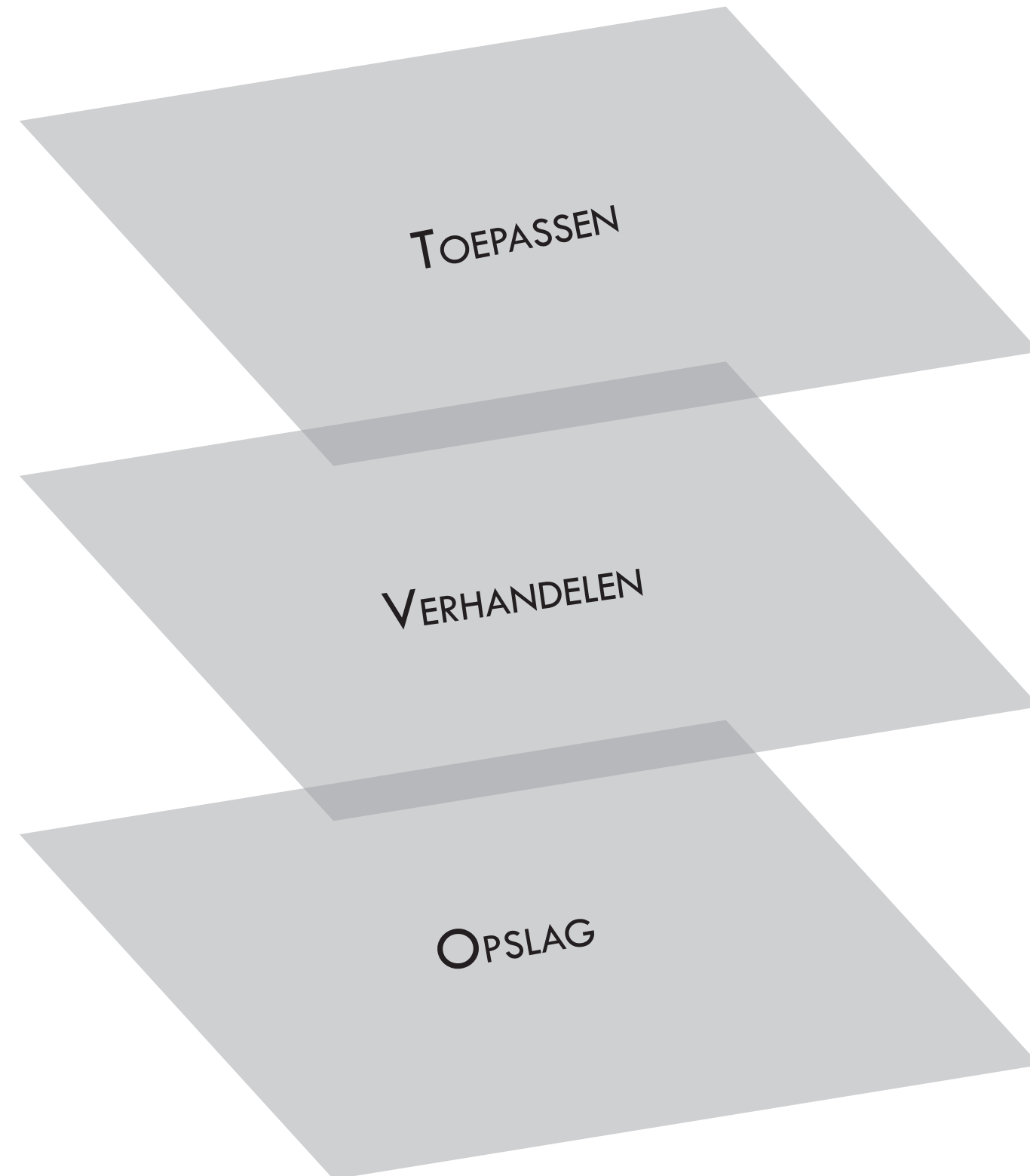




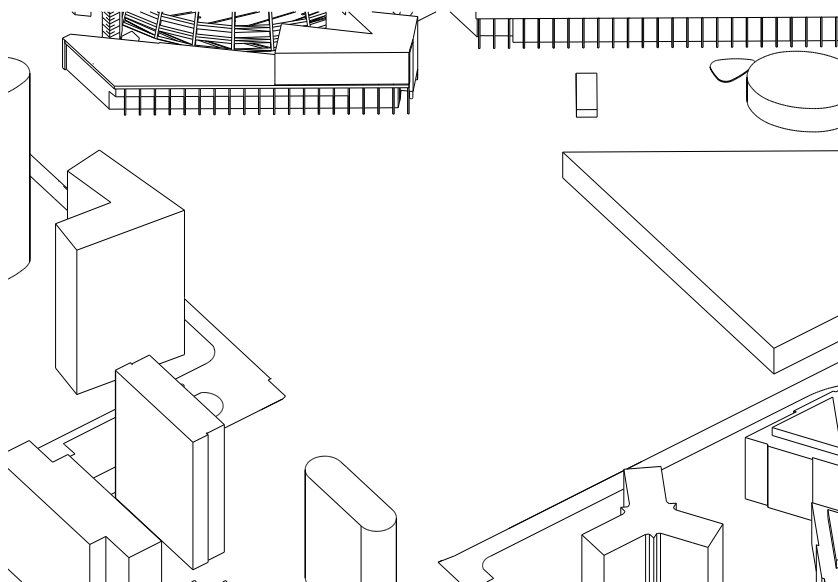
ARCHITEKTONISCH CONCEPT



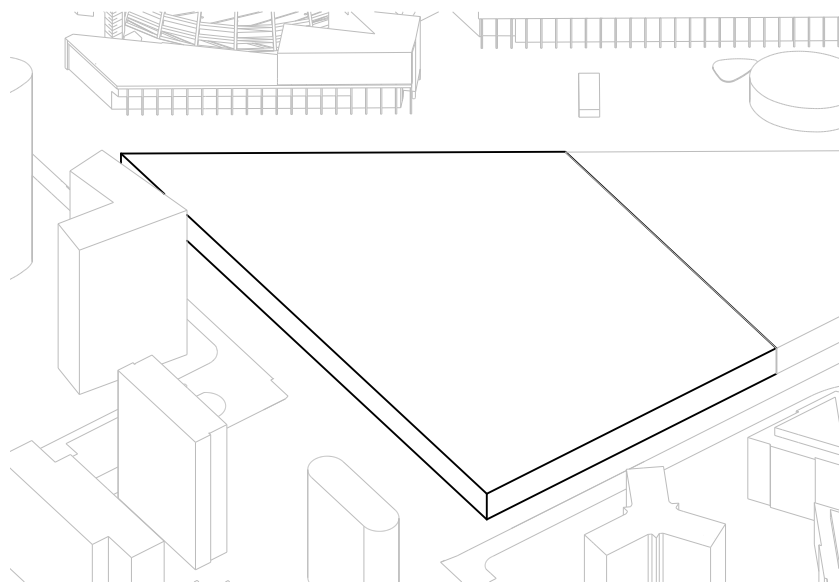
OPBOUW GEBOUW



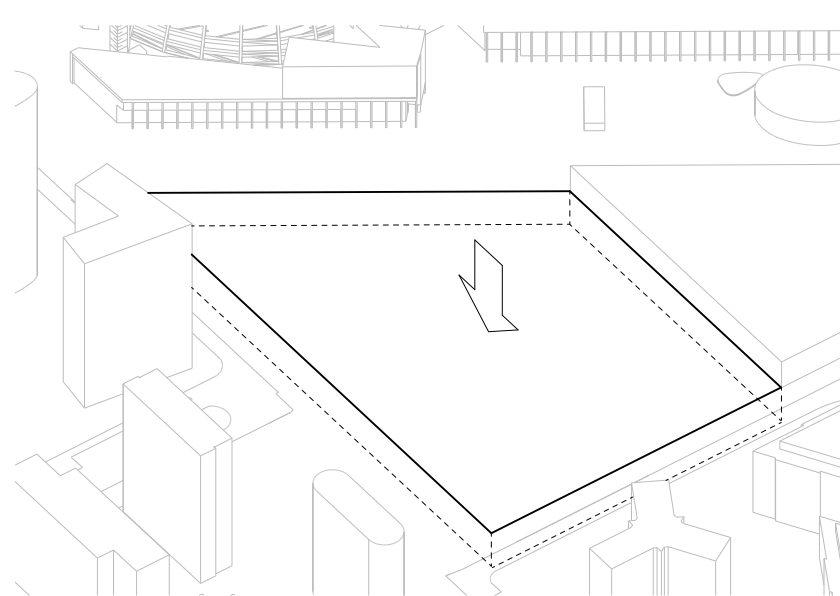
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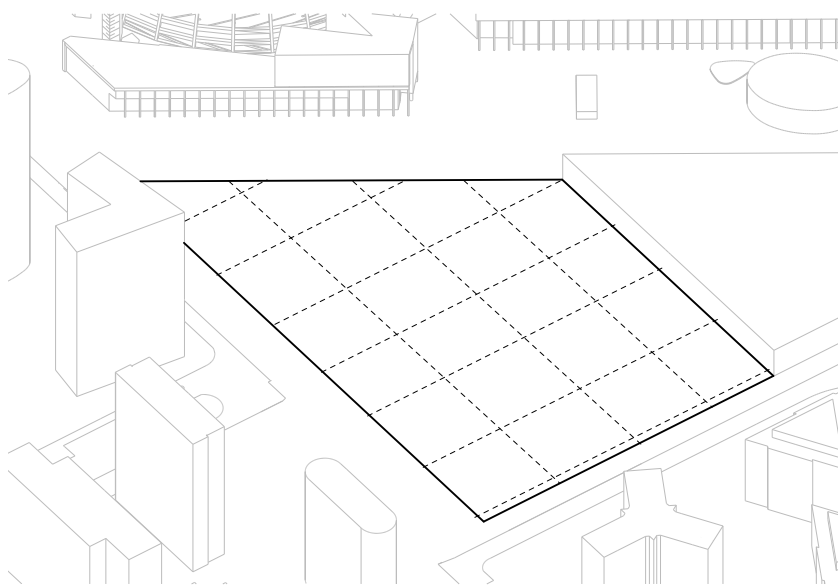
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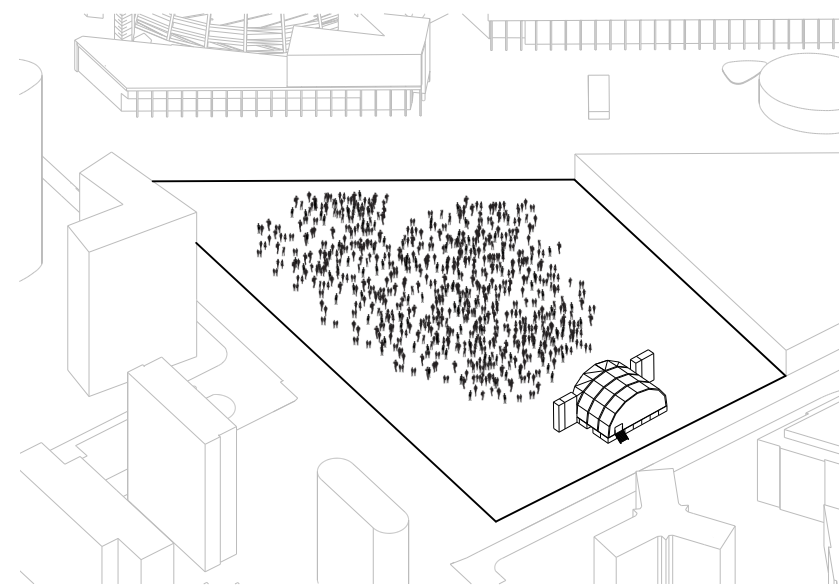
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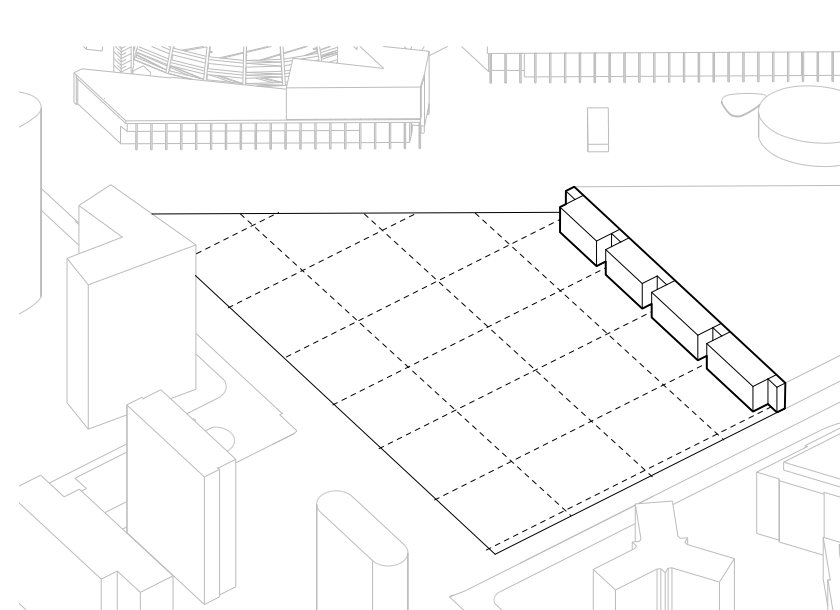
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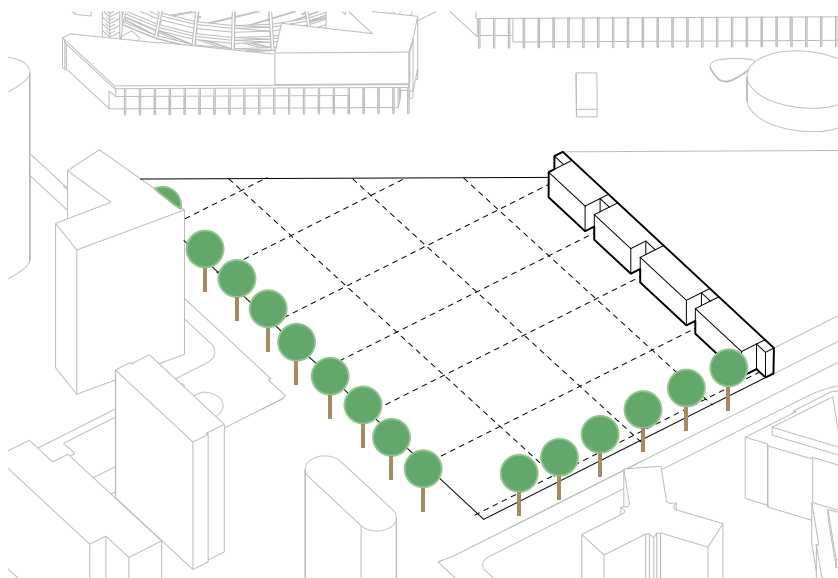
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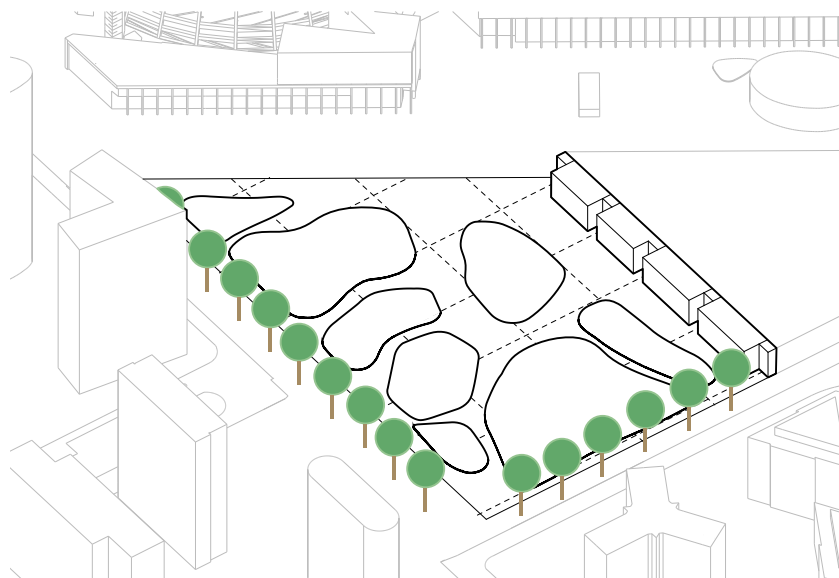
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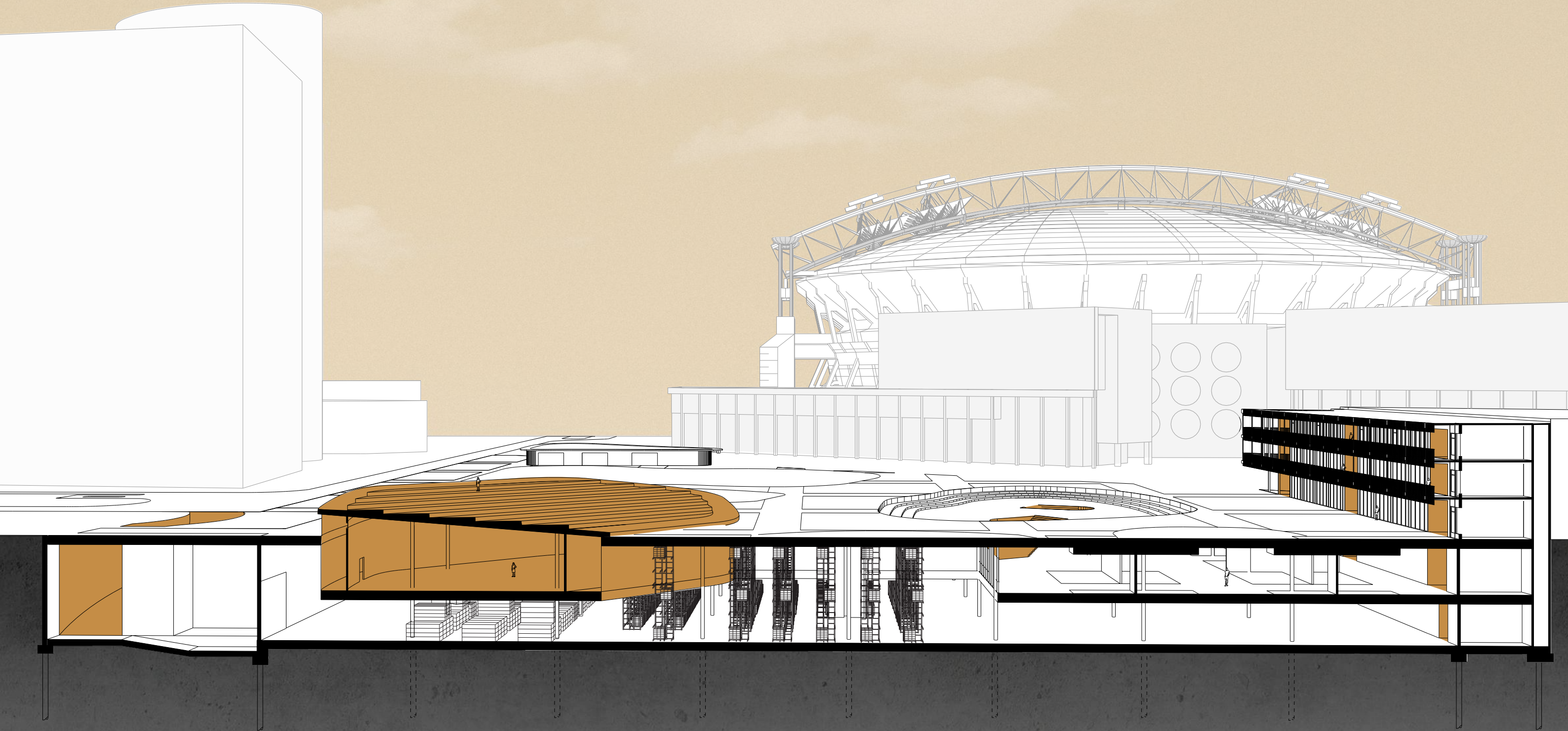
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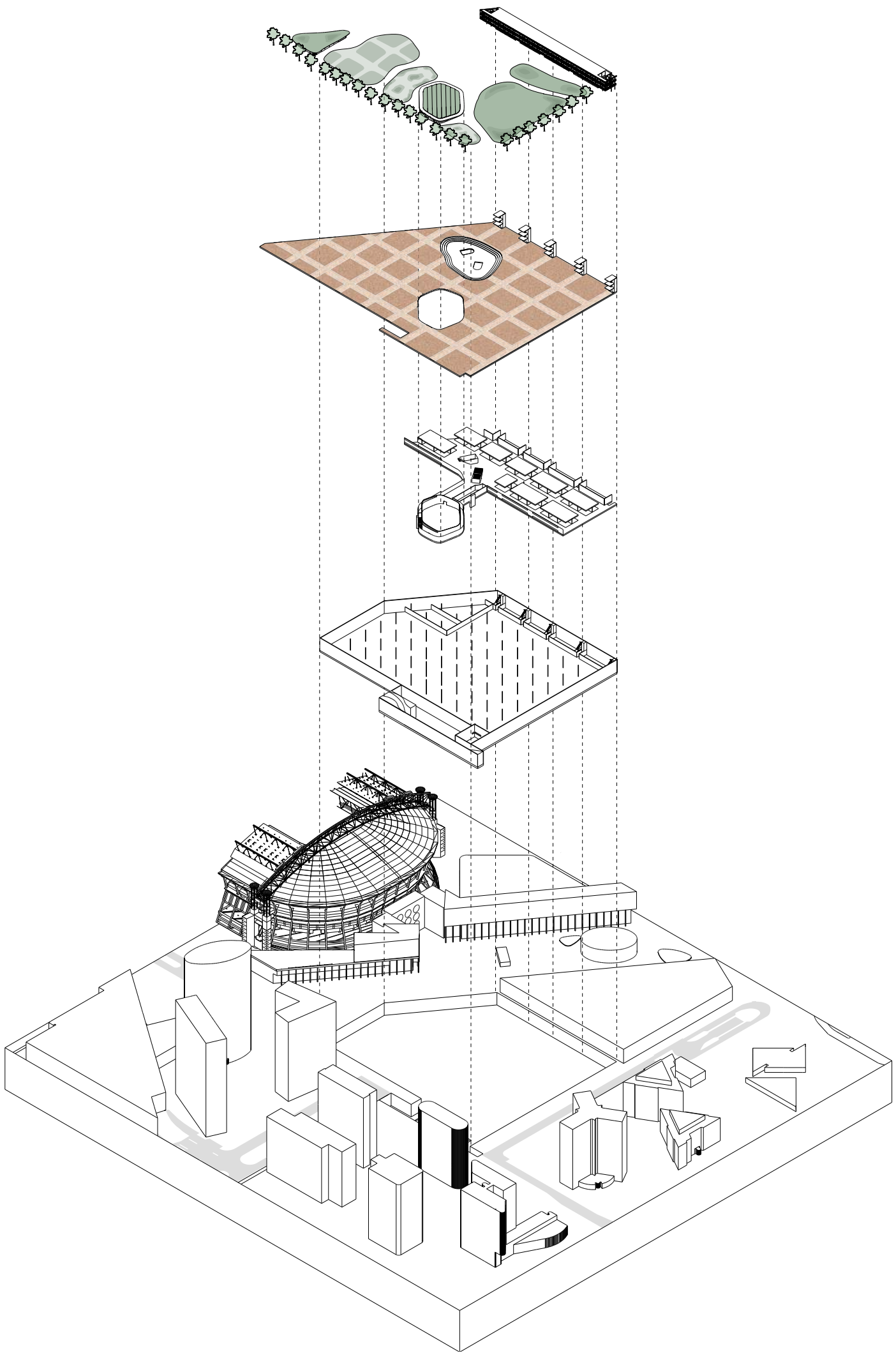
8



UITWERKING



EXPLODED VIEW



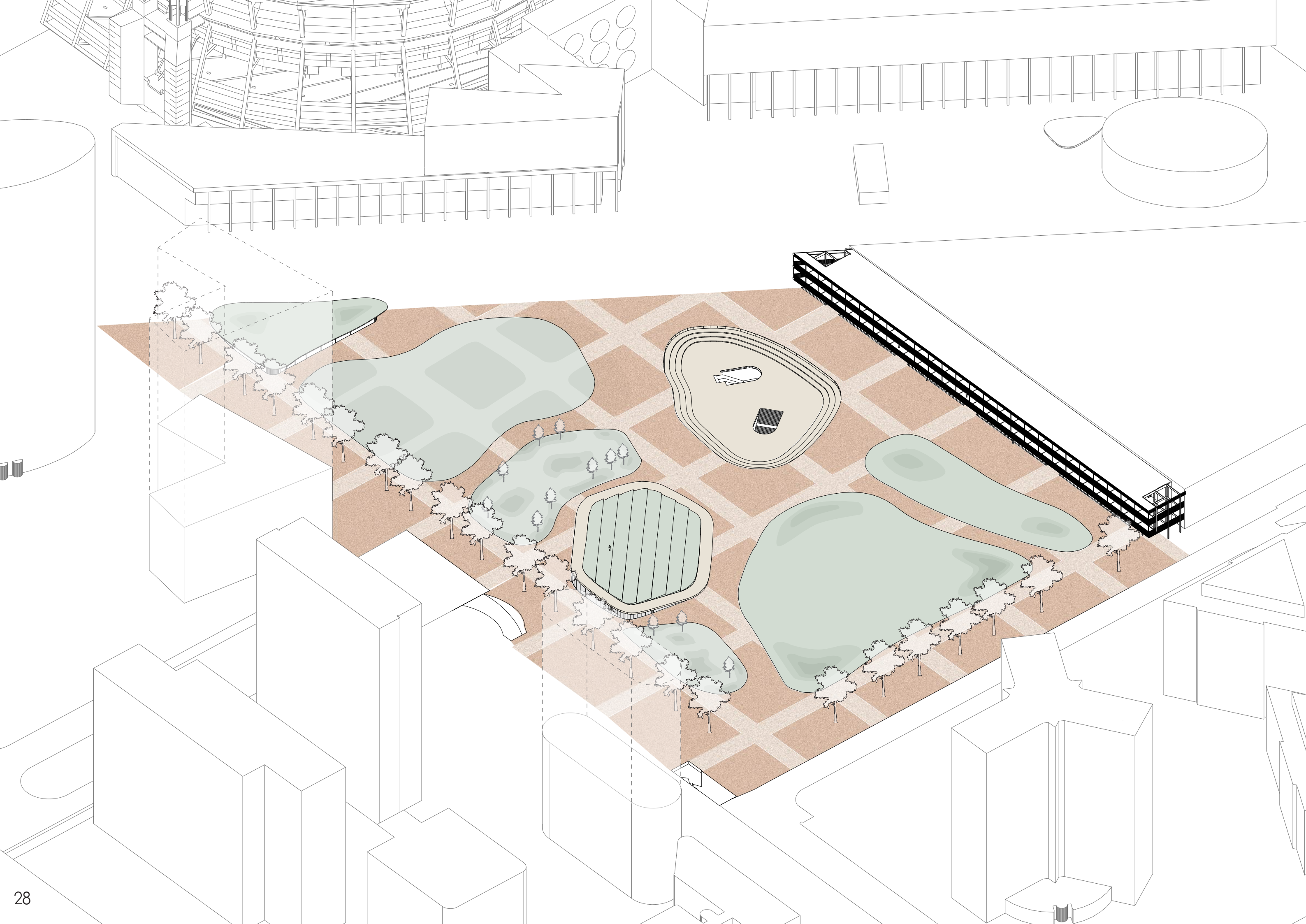
GROENSTRUCTUUR

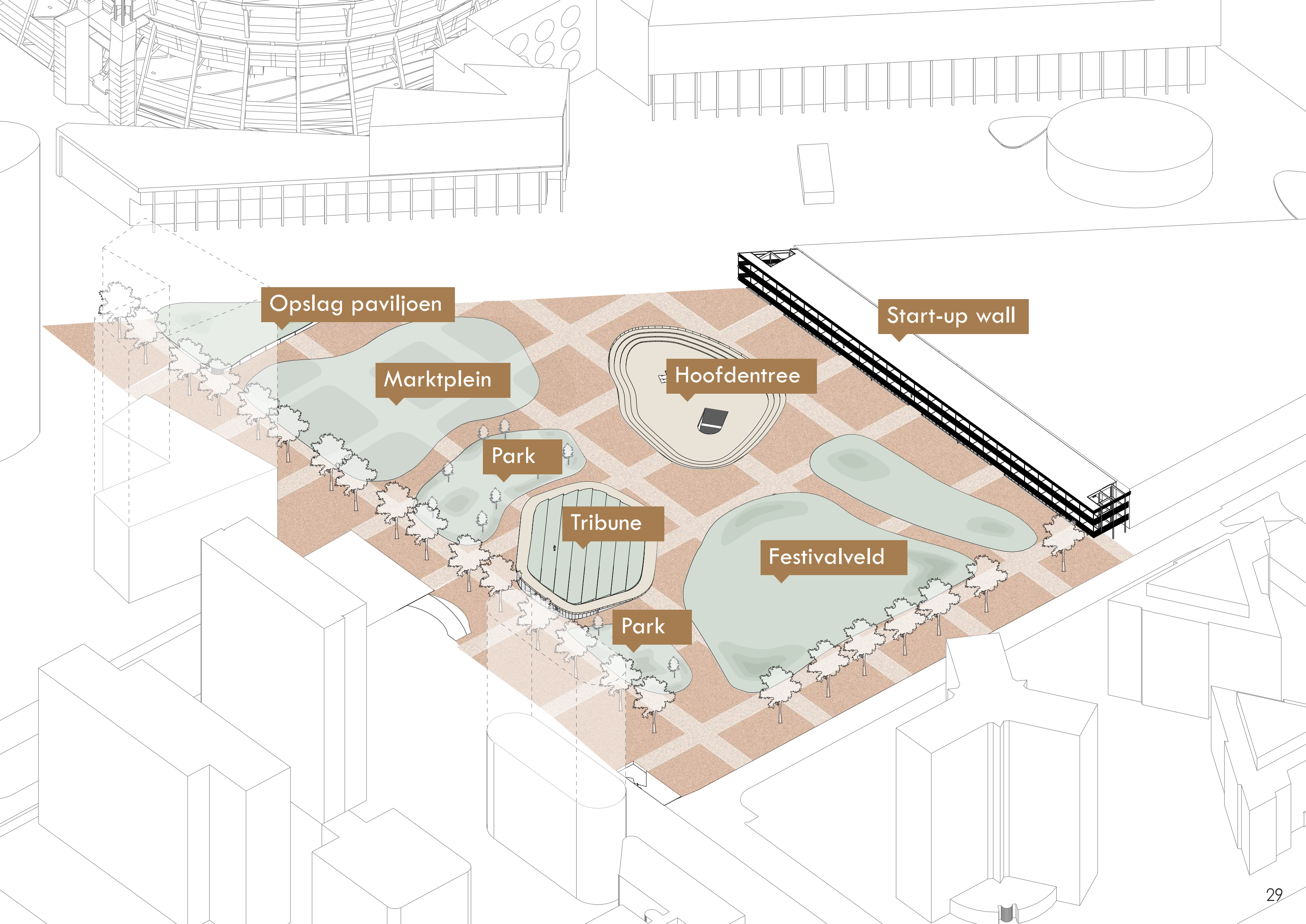
MAAIVELD

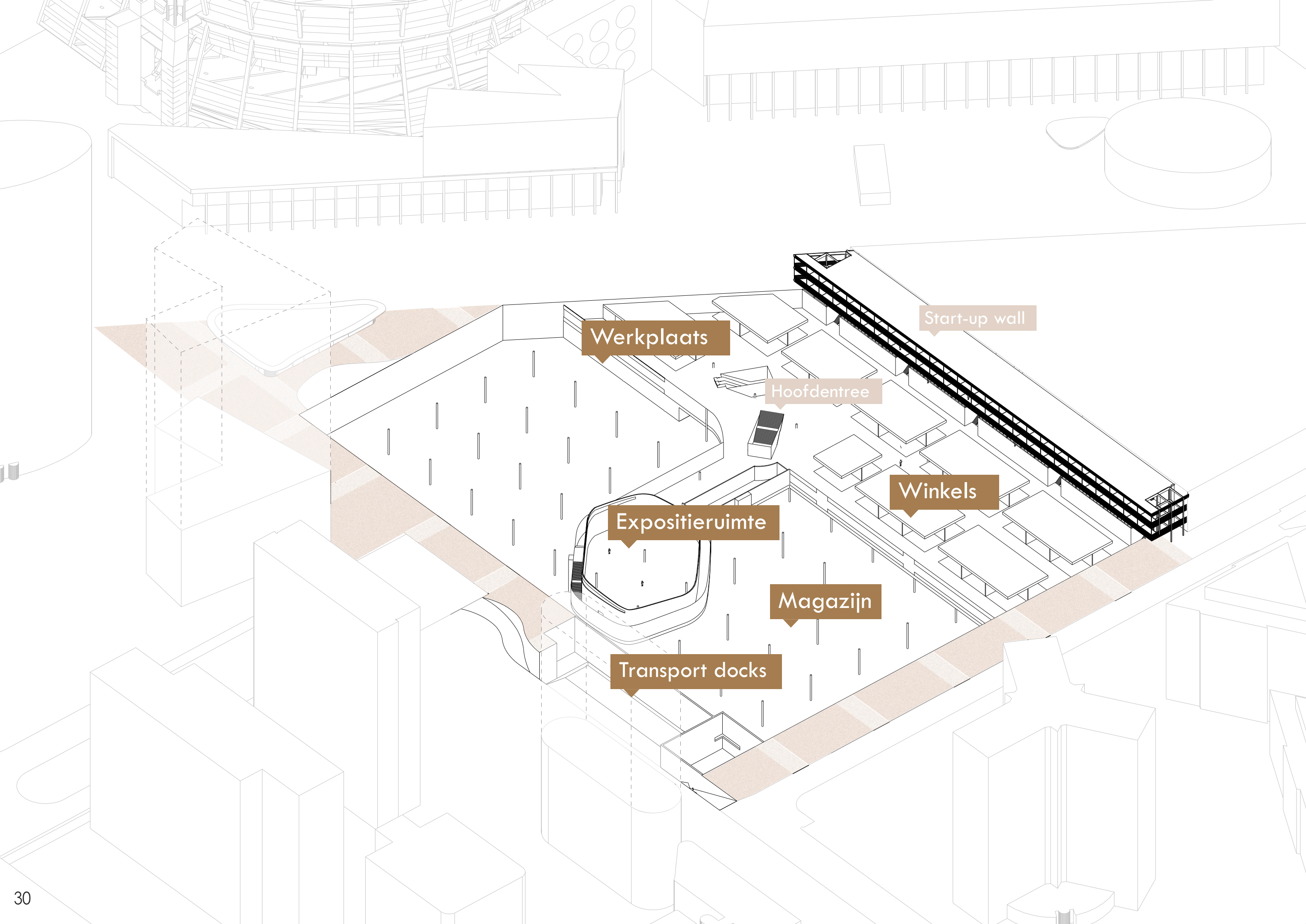
WINKELS &
EXPOSITIERUIMTE

MAGAZIJN &
WERKPLAATS

OMGEVING







Werkplaats

Start-up wall

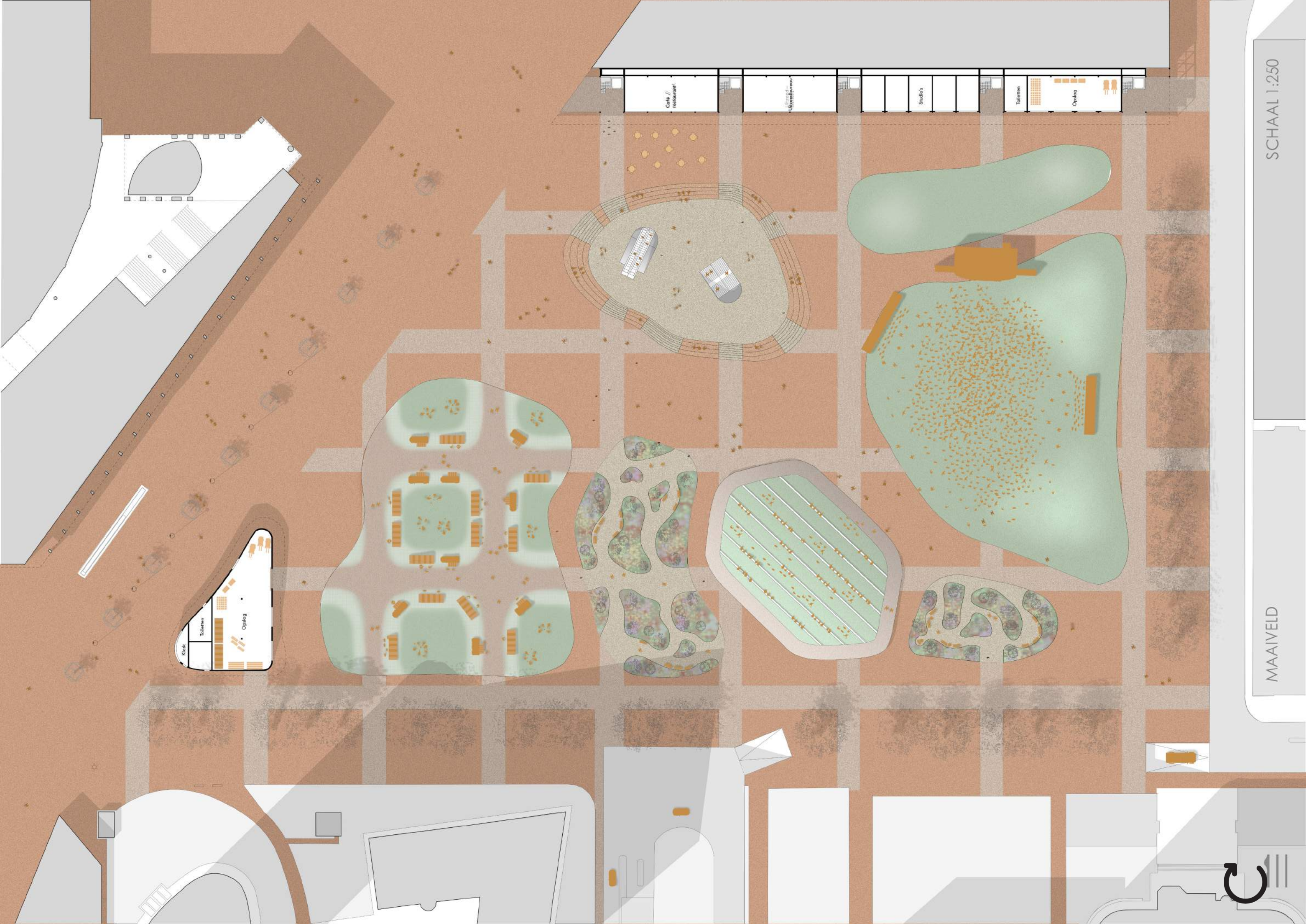
Hoofdentree

Winkels

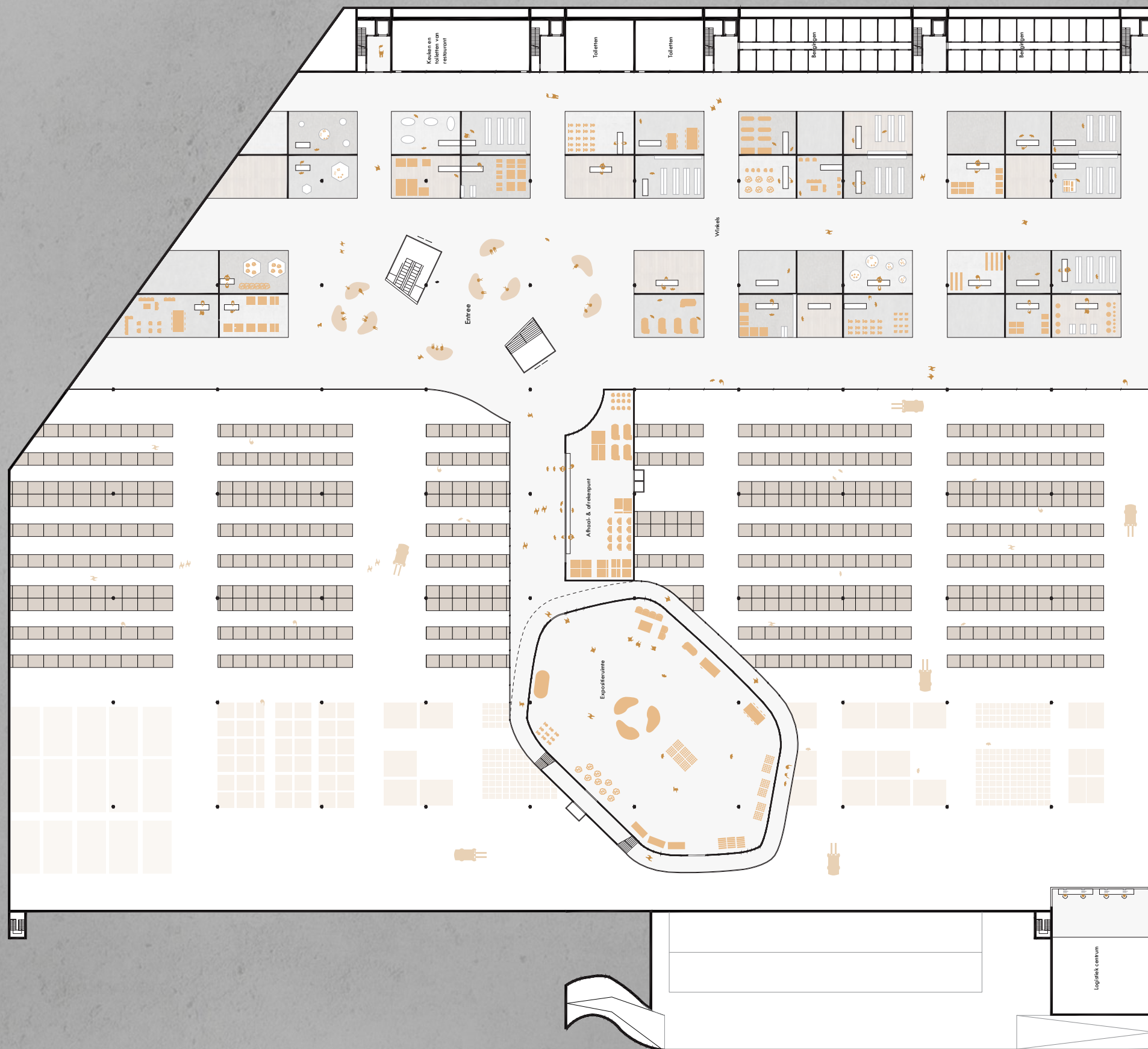
Magazijn

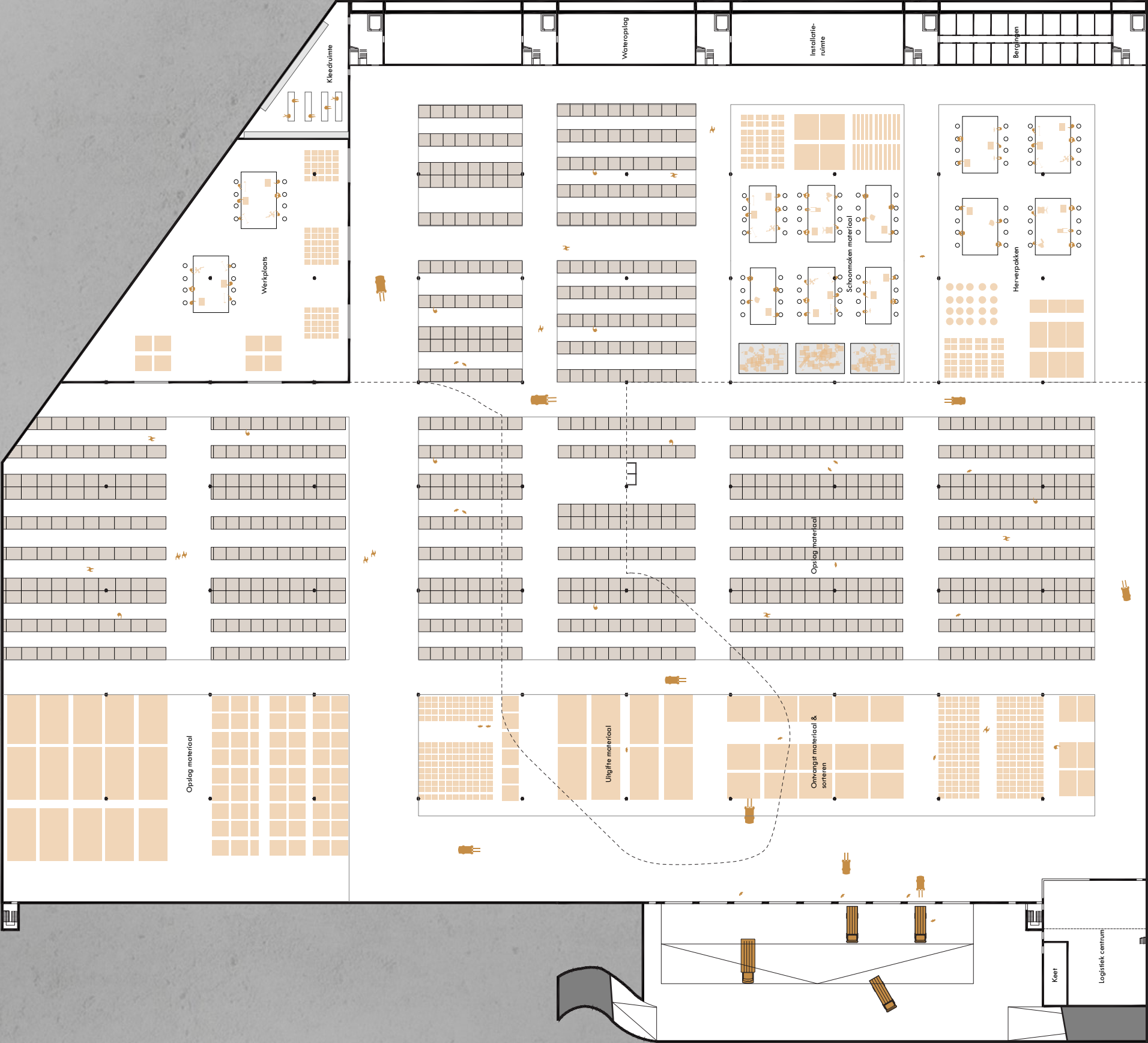
Expositieruimte

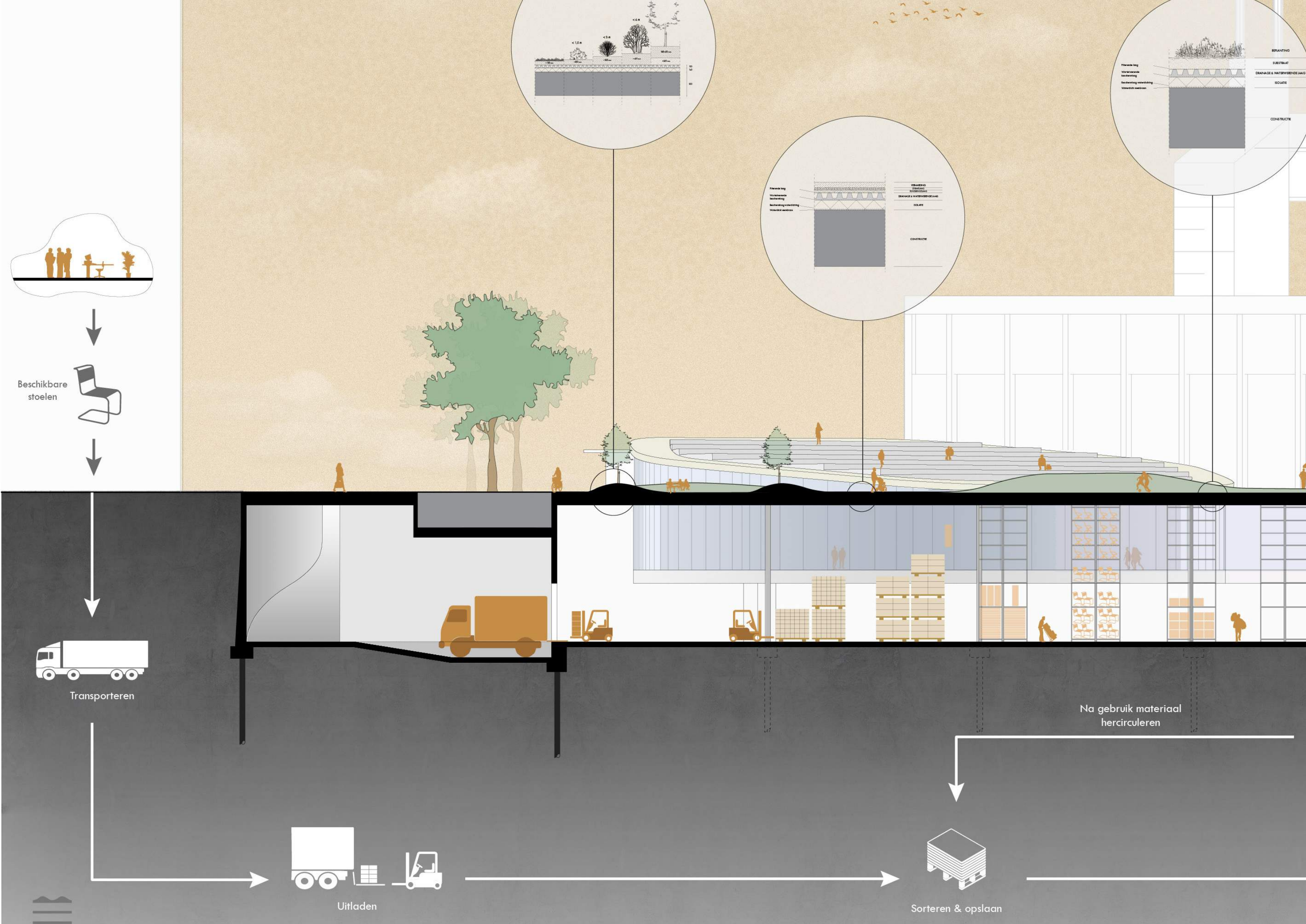
Transport docks

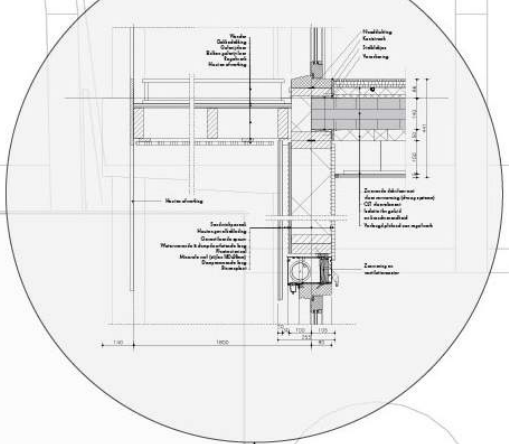






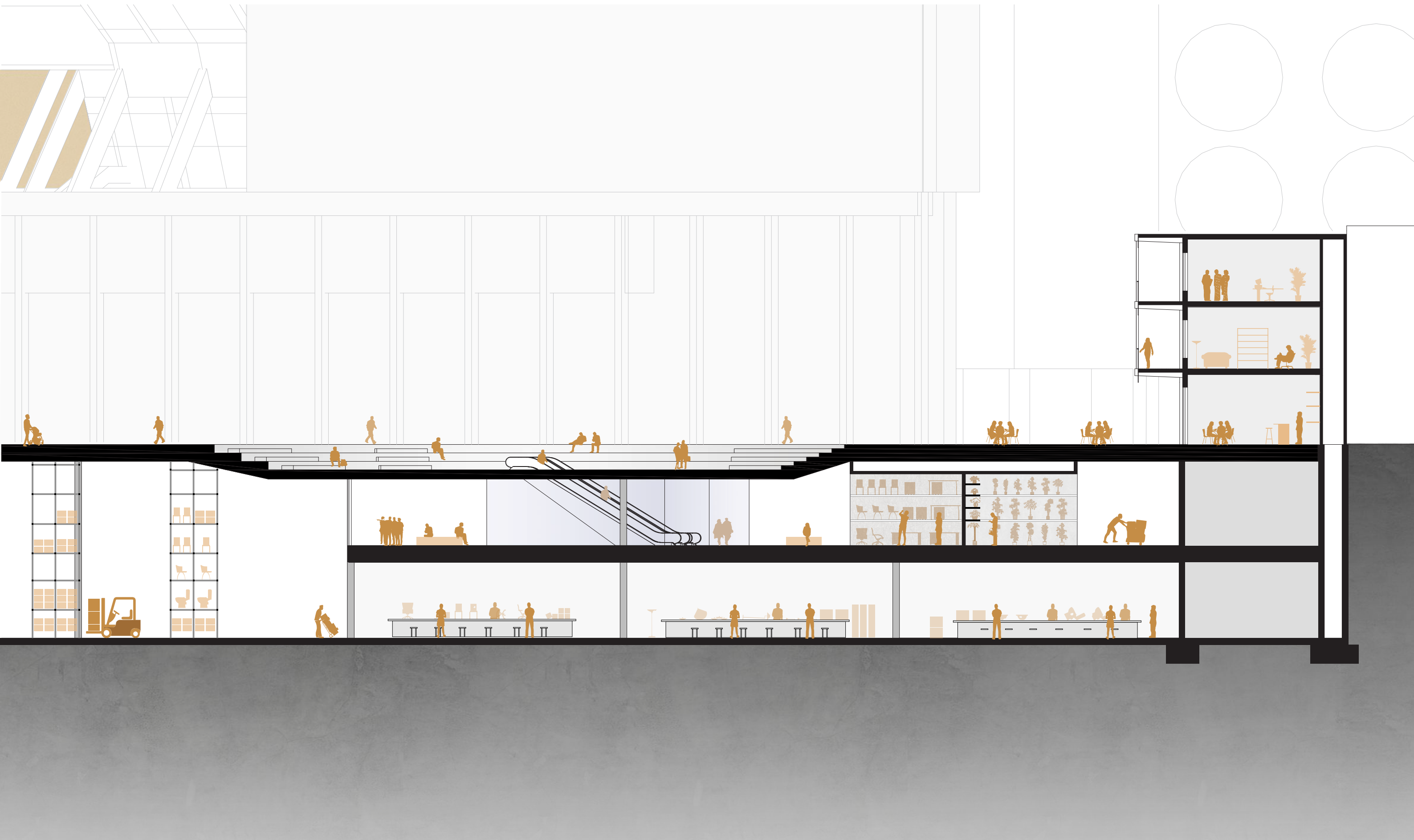




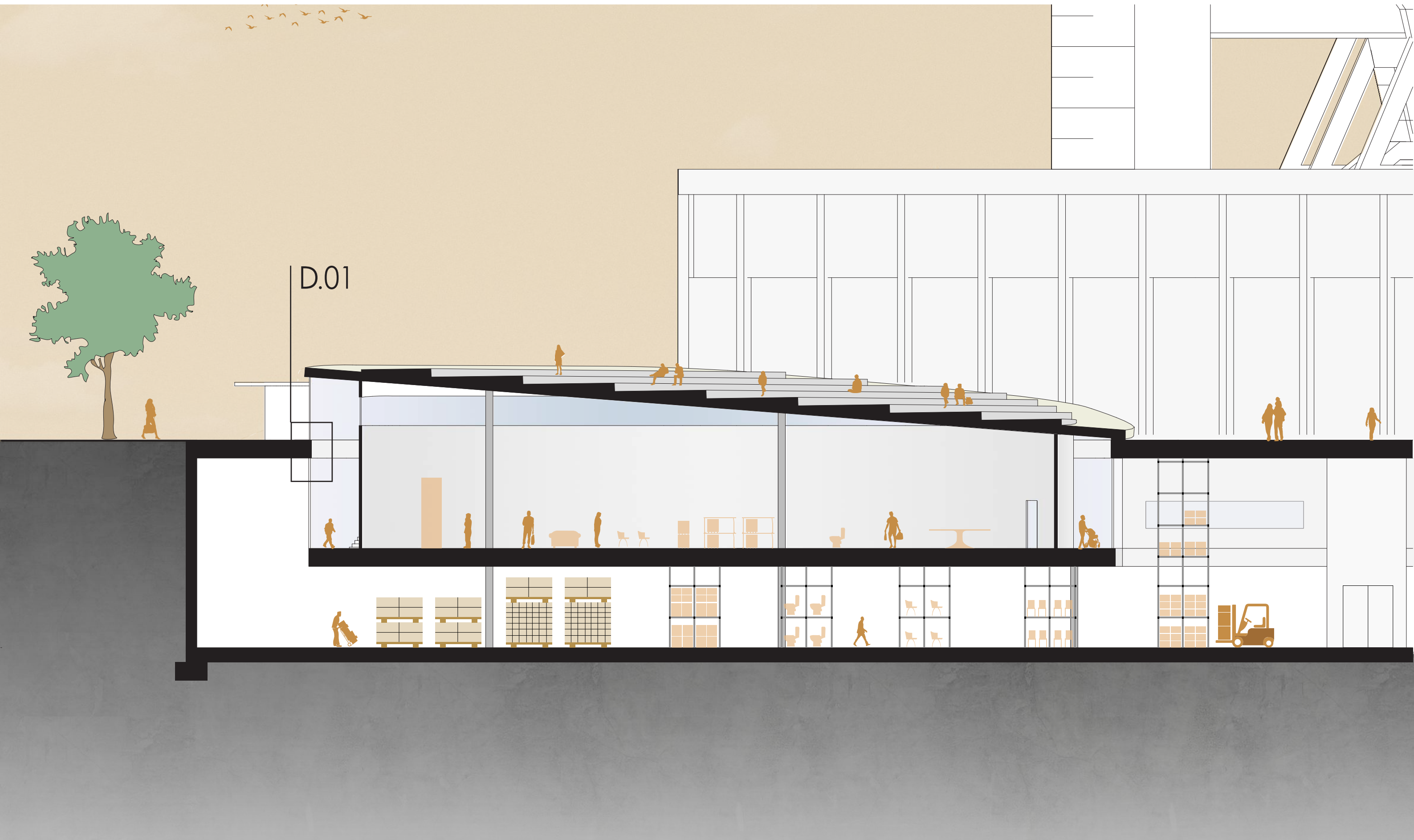


SCHAAAL 1:100

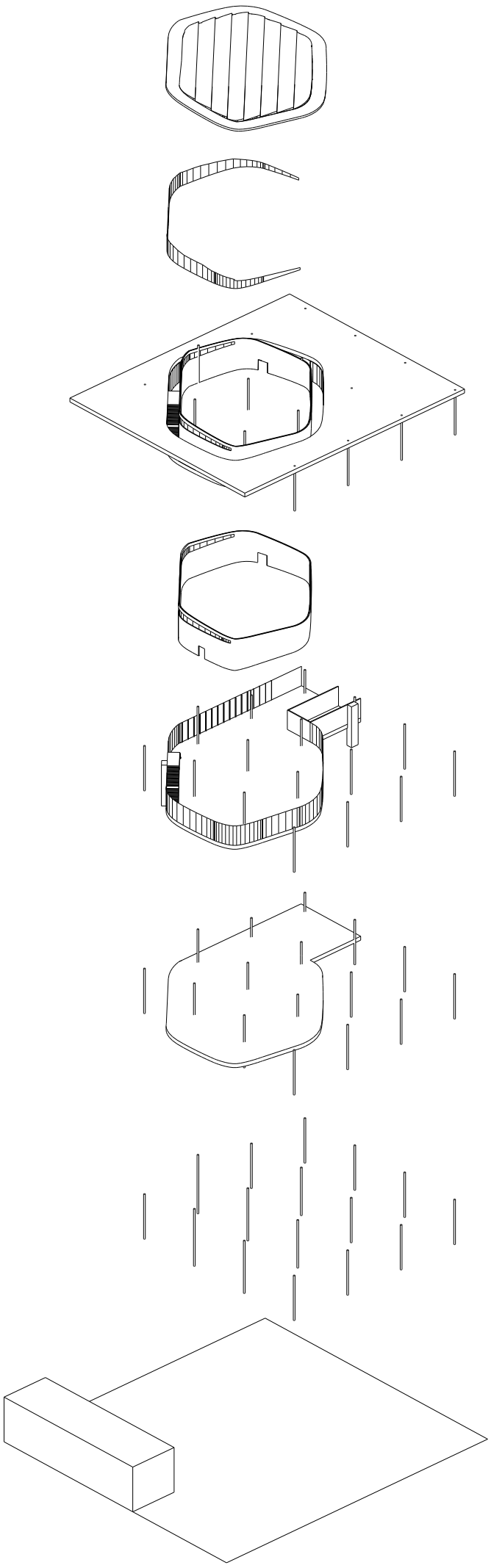
HOOFDENTREE



EXPOSITIERUIMTE



EXPLODED VIEW
EXPOSITIERUIMTE



TRIBUNE

GLAZEN RAND

AANSLUITING MAAIVELD

BINNENWAND

GLAZEN OMHULSEL

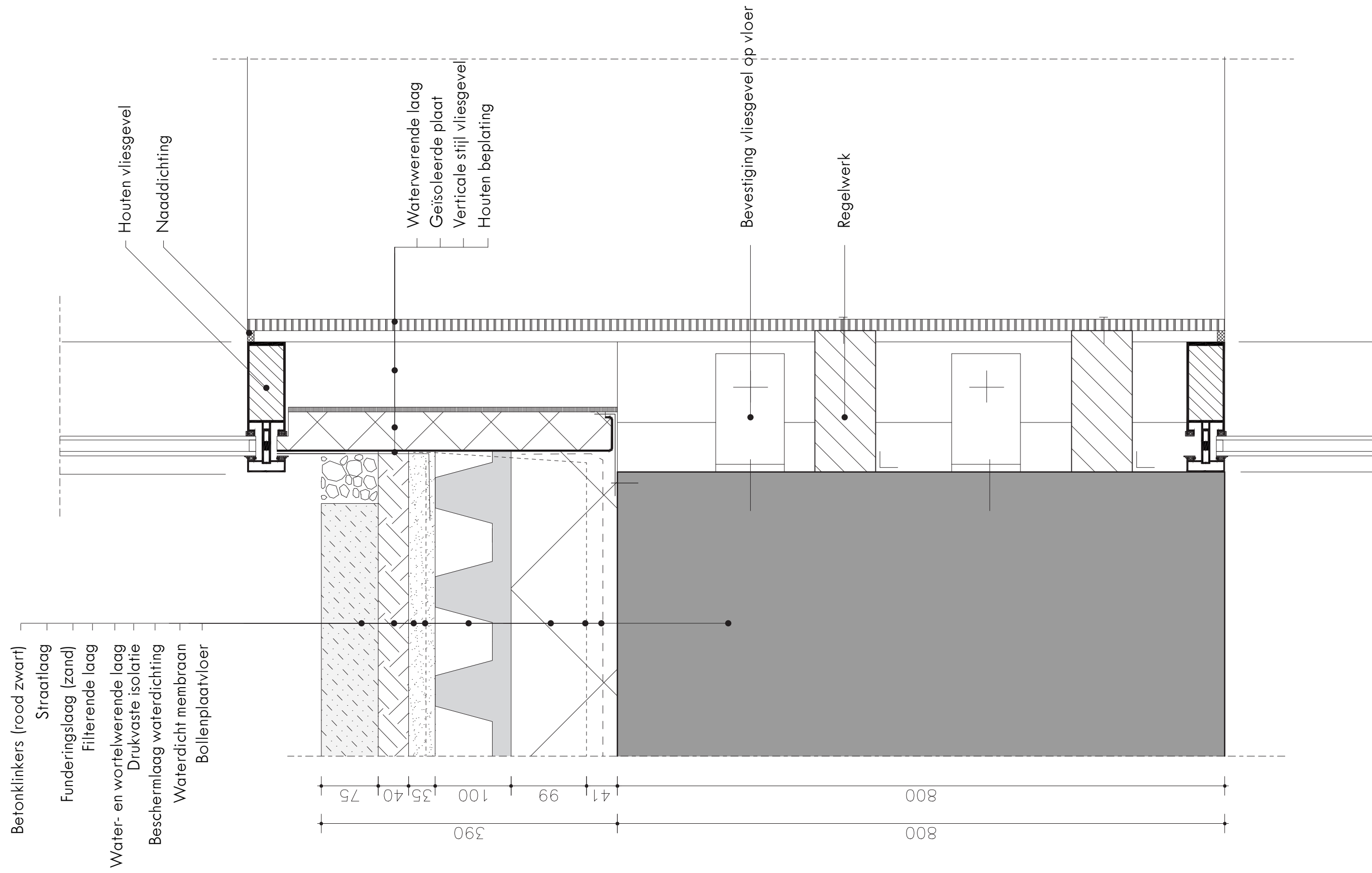
VLOER ('ZWEVEND' IN RUIMTE)

KOLOMSTRUCTUUR

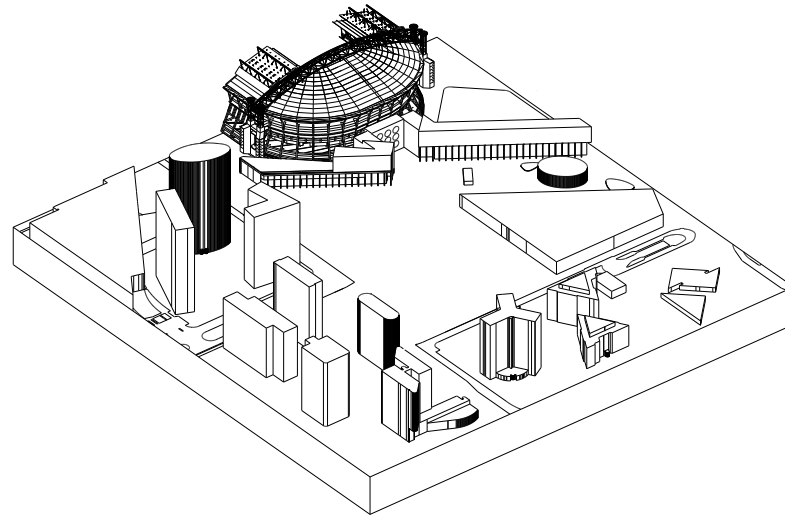
MAGAZIJNVLOER



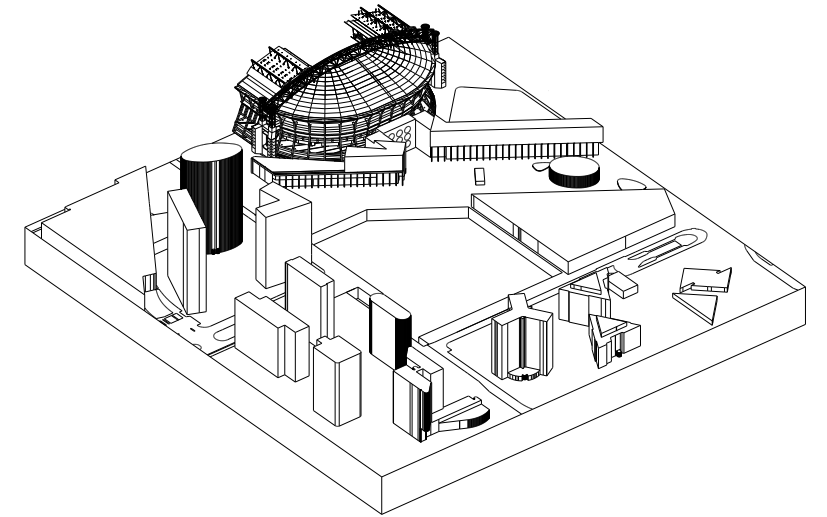
D.01



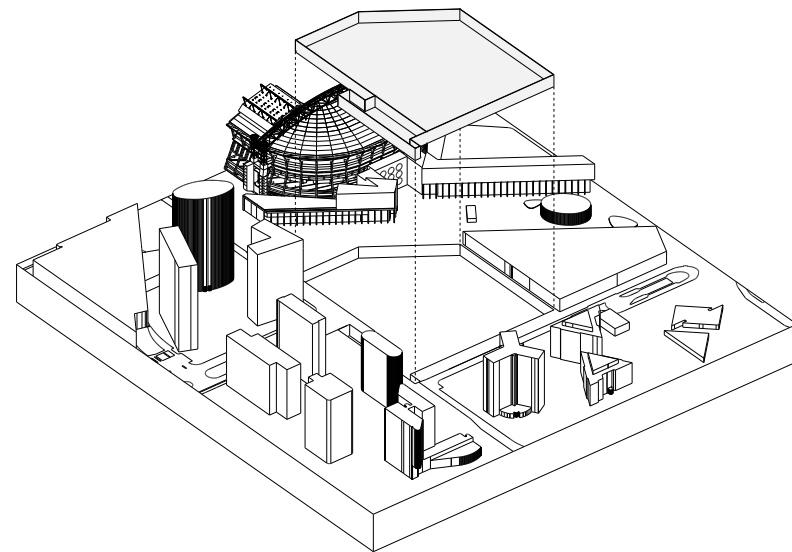
CONSTRUCTIE



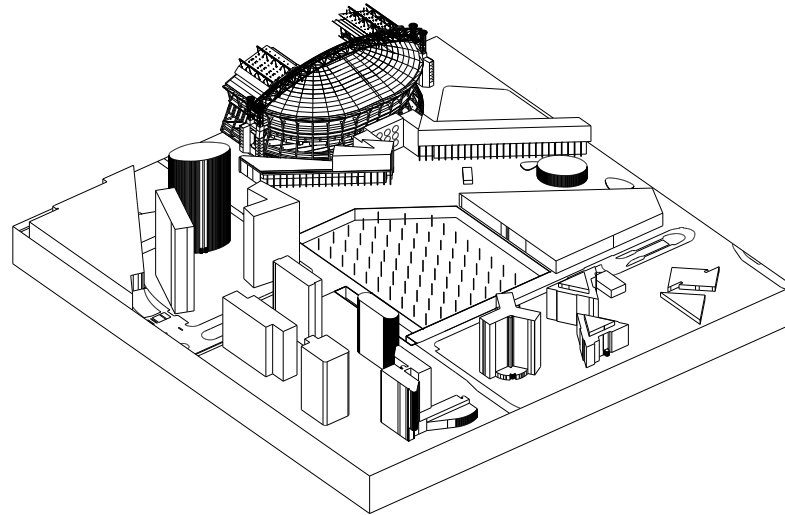
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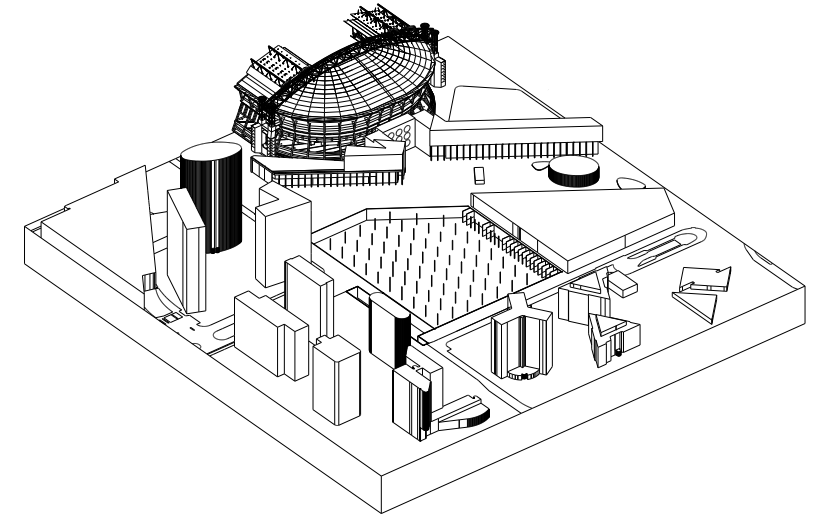
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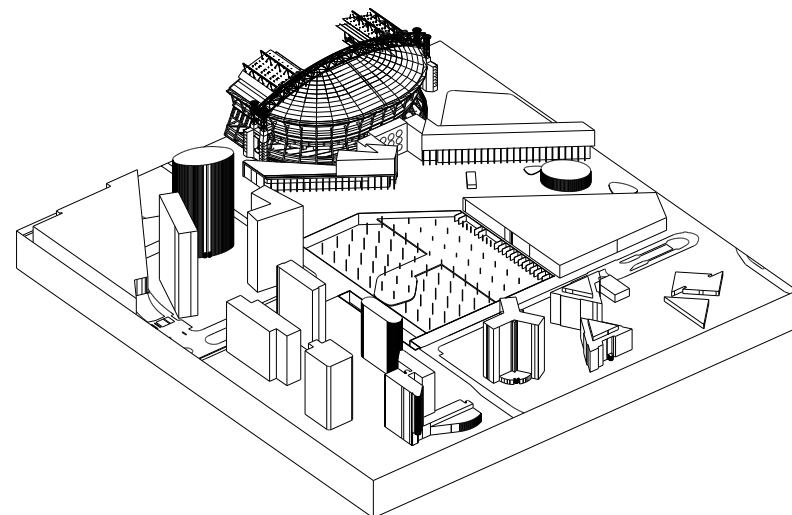
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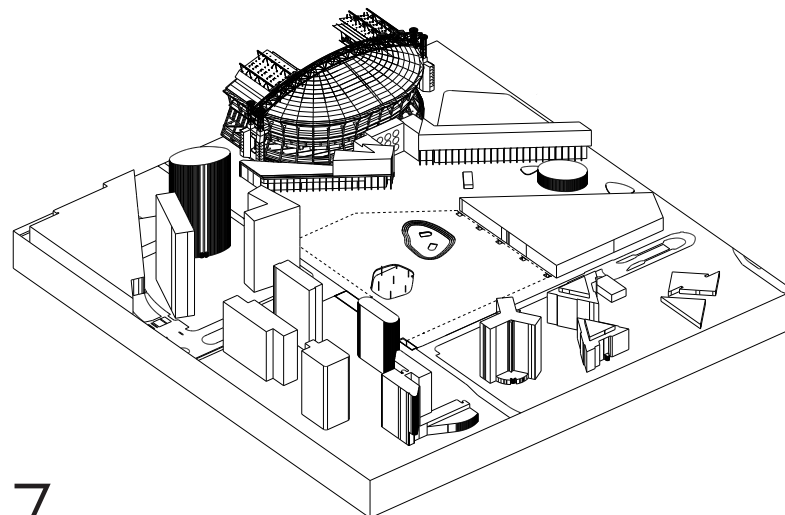
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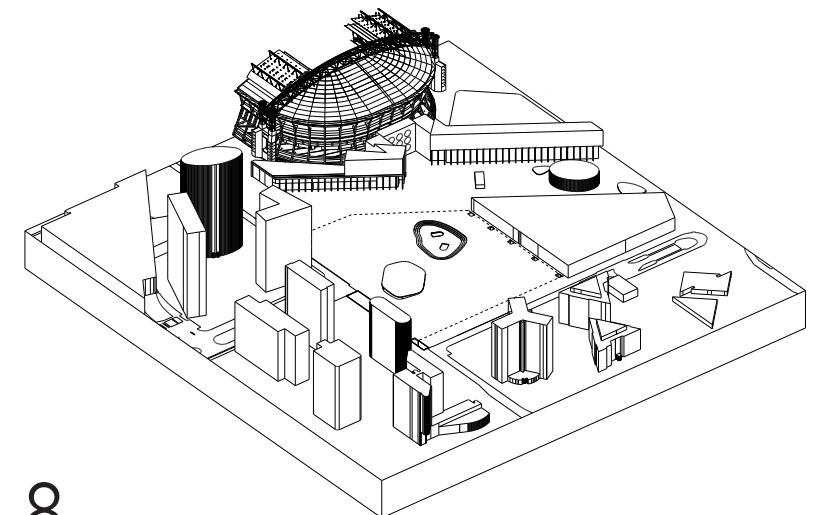
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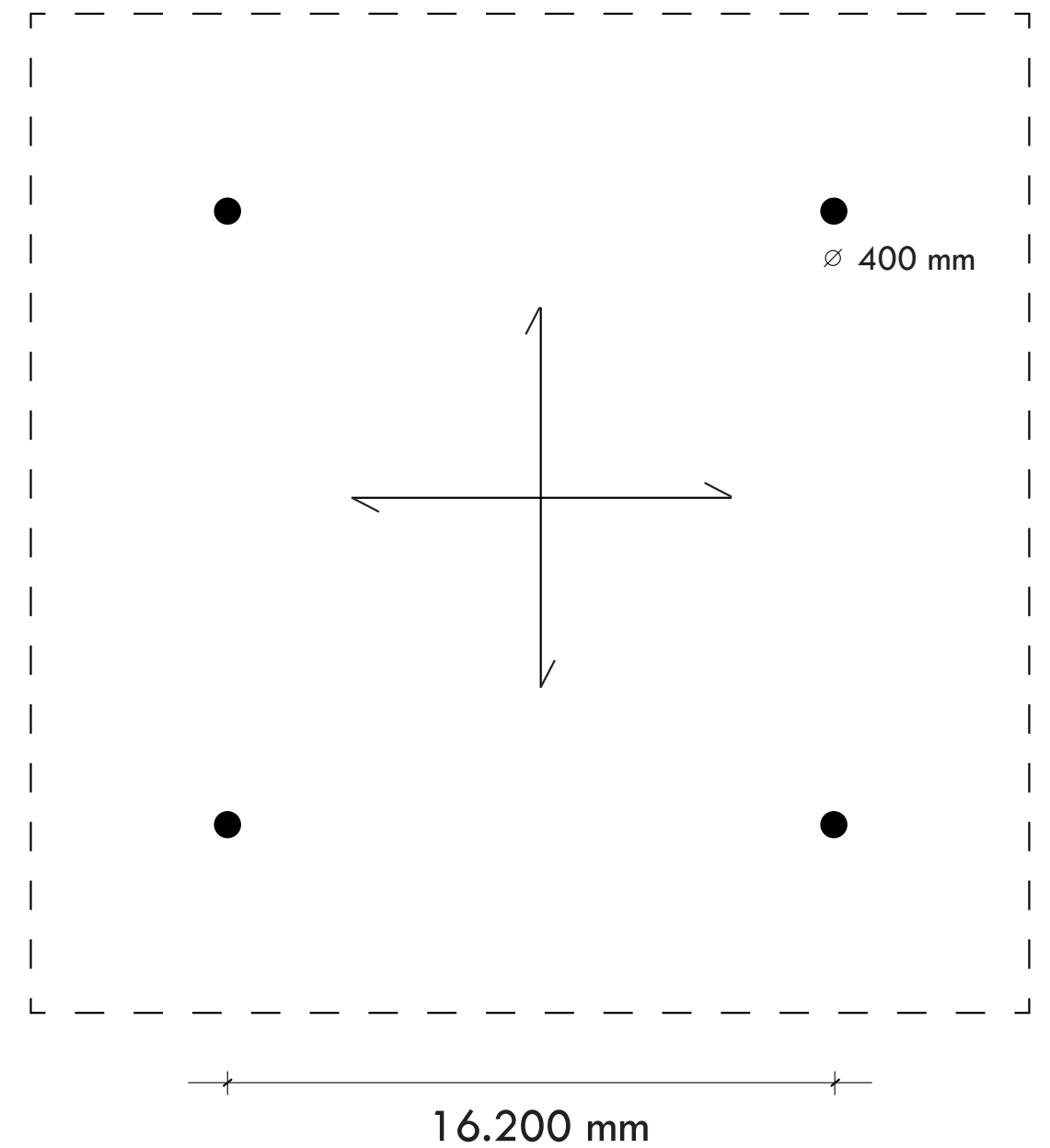
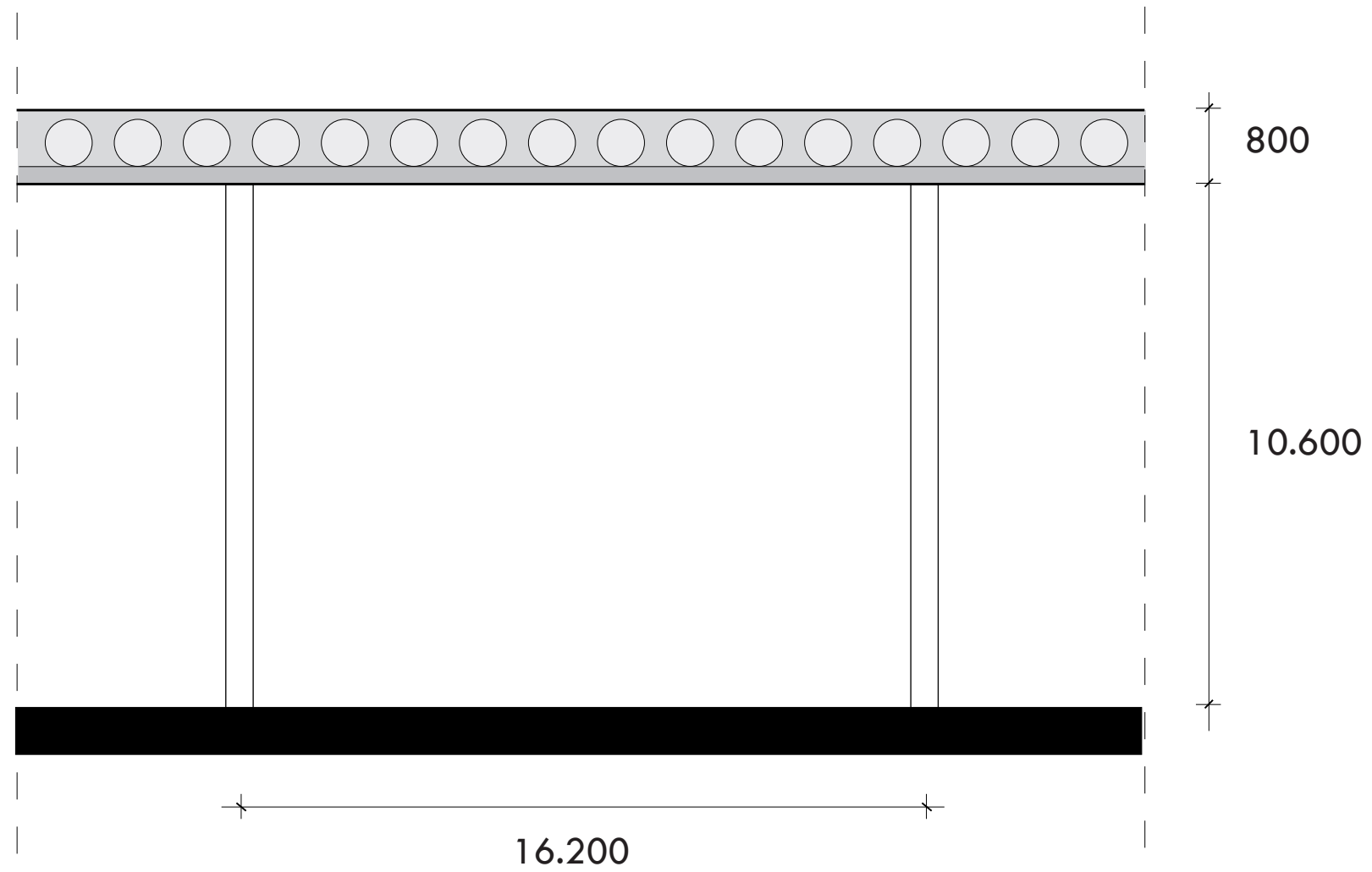


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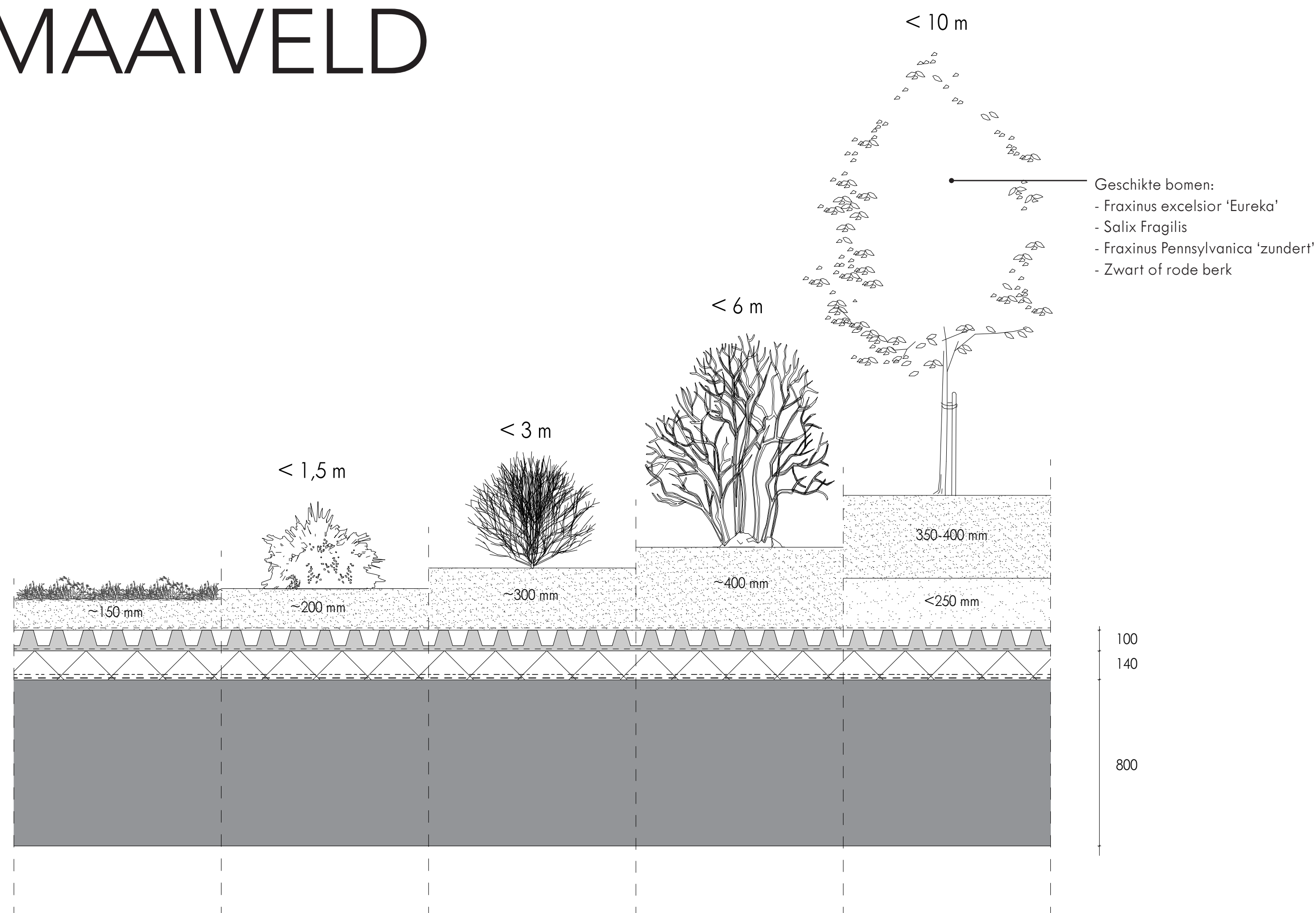


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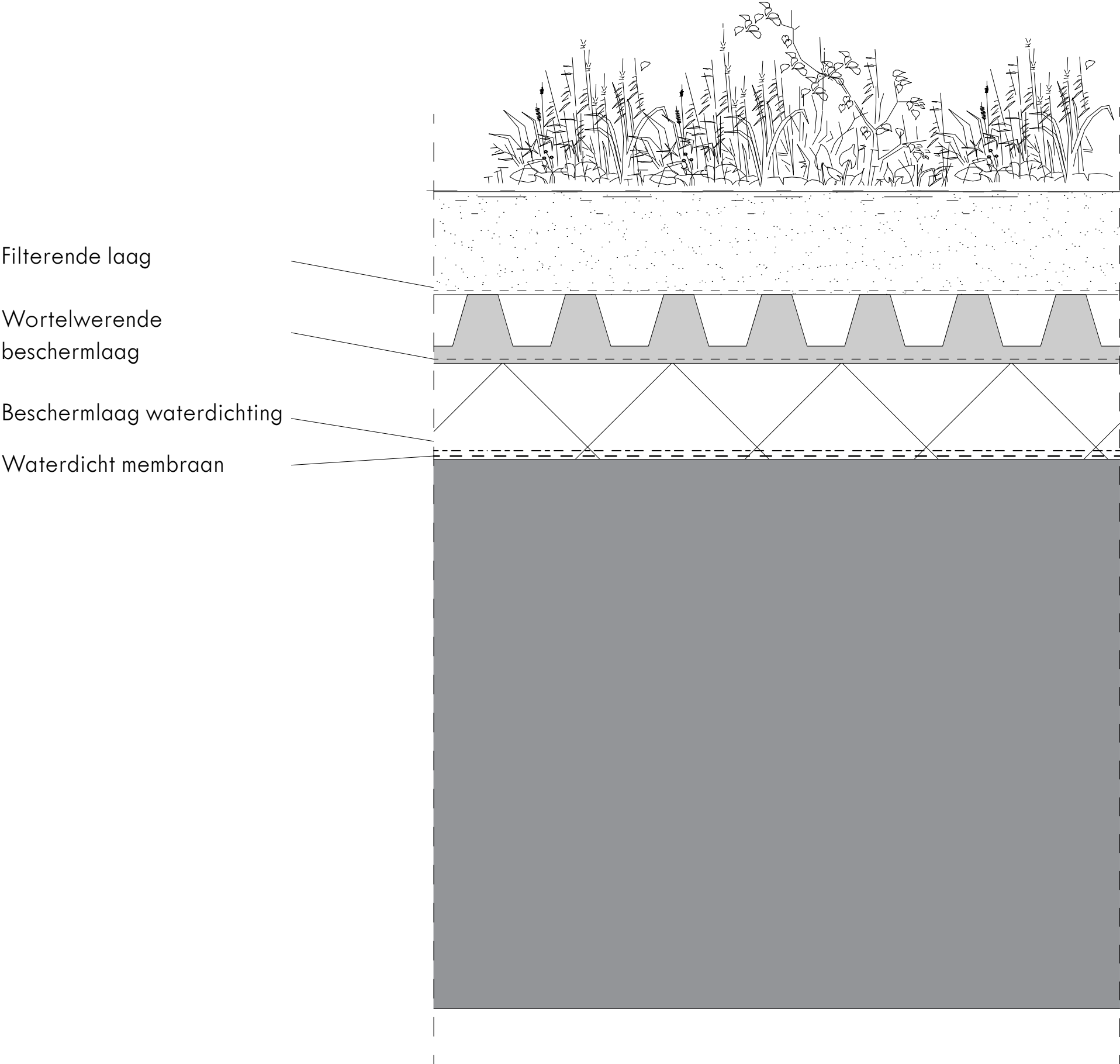
BOLLENPLAATVLOER



MAAIVELD



OPBOUW MAAIVELD



BEPLANTING

SUBSTRAAT

DRAINAGE & WATERWERENDE LAAG

ISOLATIE

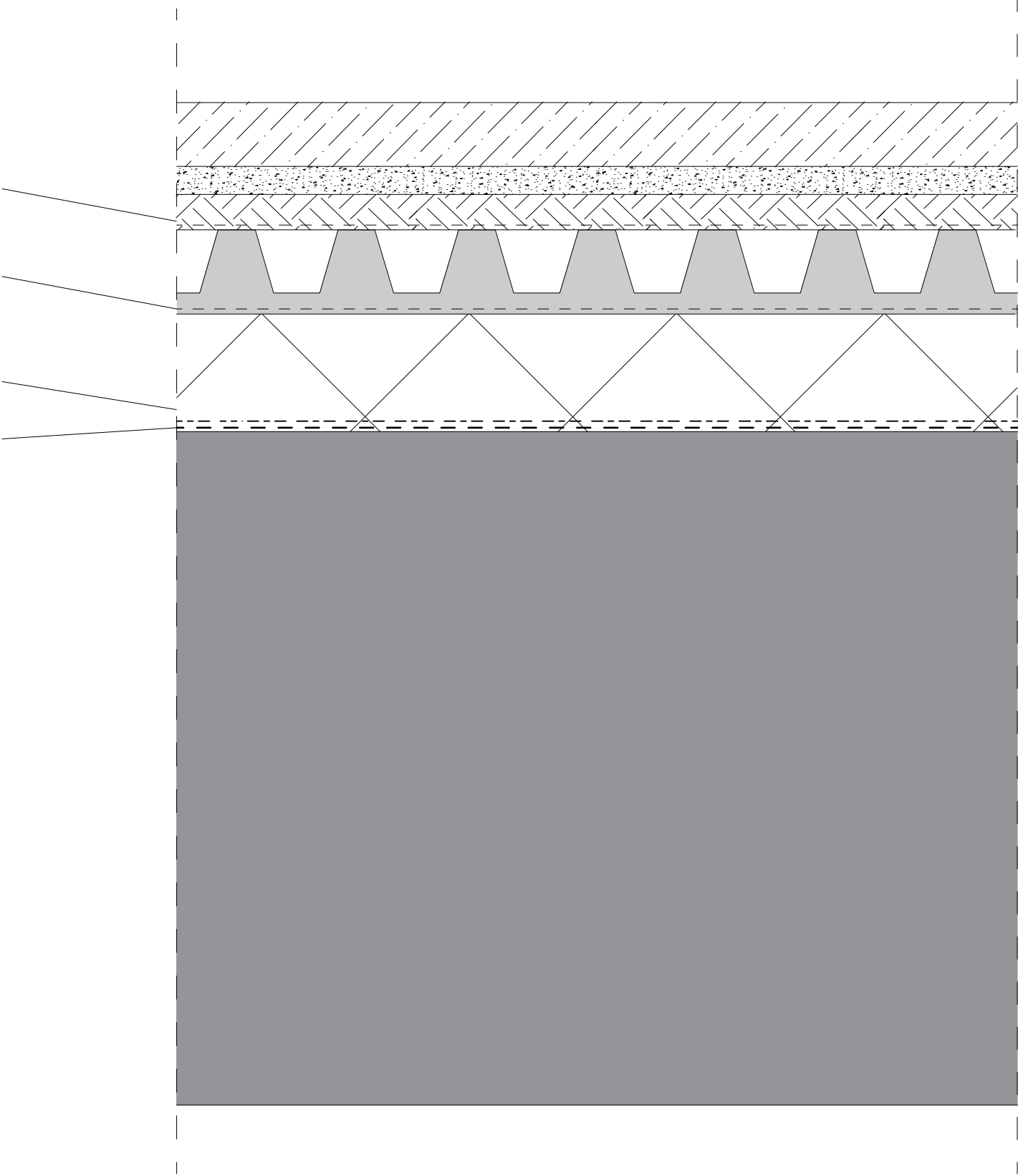
CONSTRUCTIE

Filterende laag

Wortelwerende
beschermlaag

Beschermlaag waterdichting

Waterdicht membraan



VERHARDING

STRAATLAAG

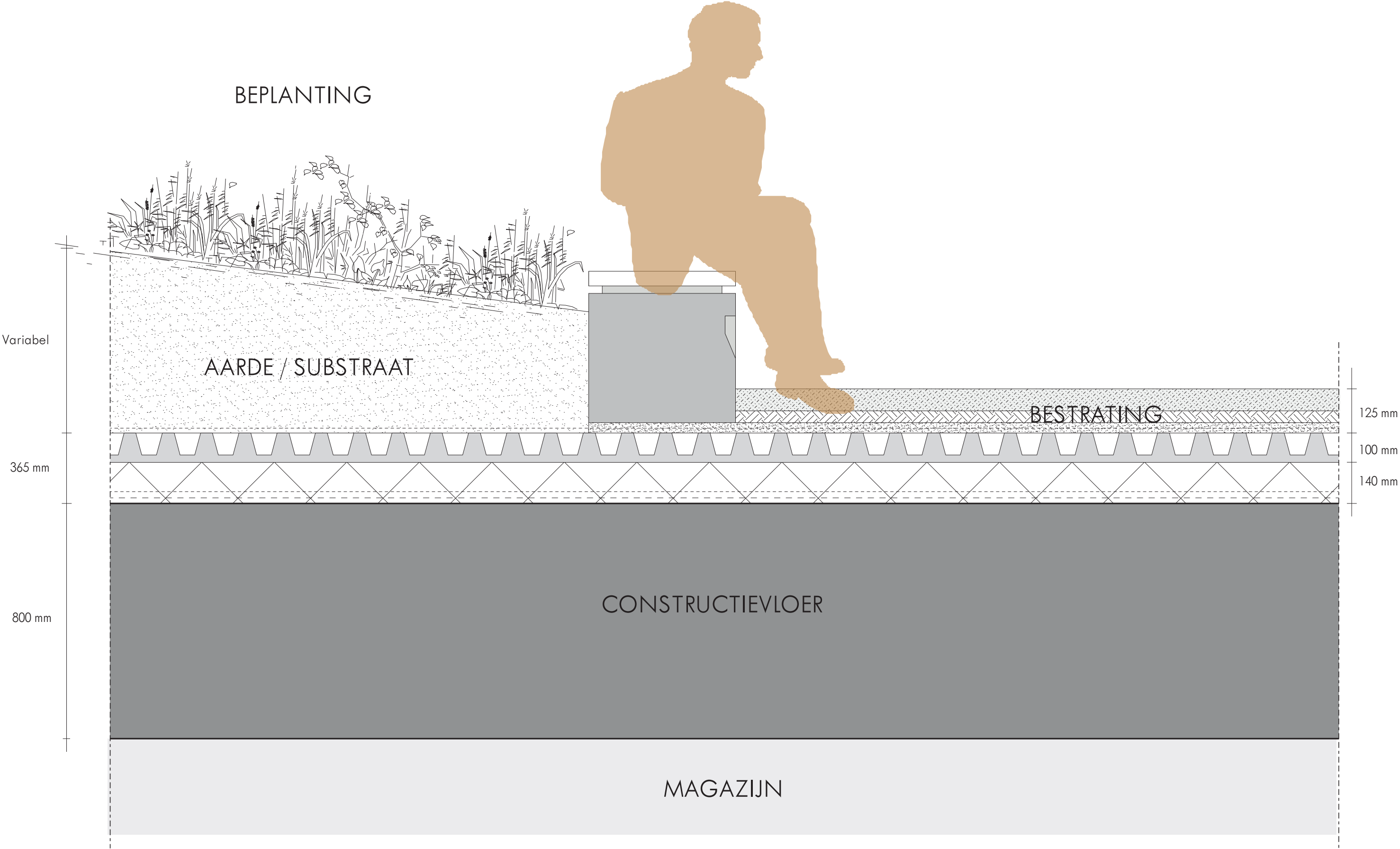
FUNDERINGSLAAG

DRAINAGE & WATERWERENDE LAAG

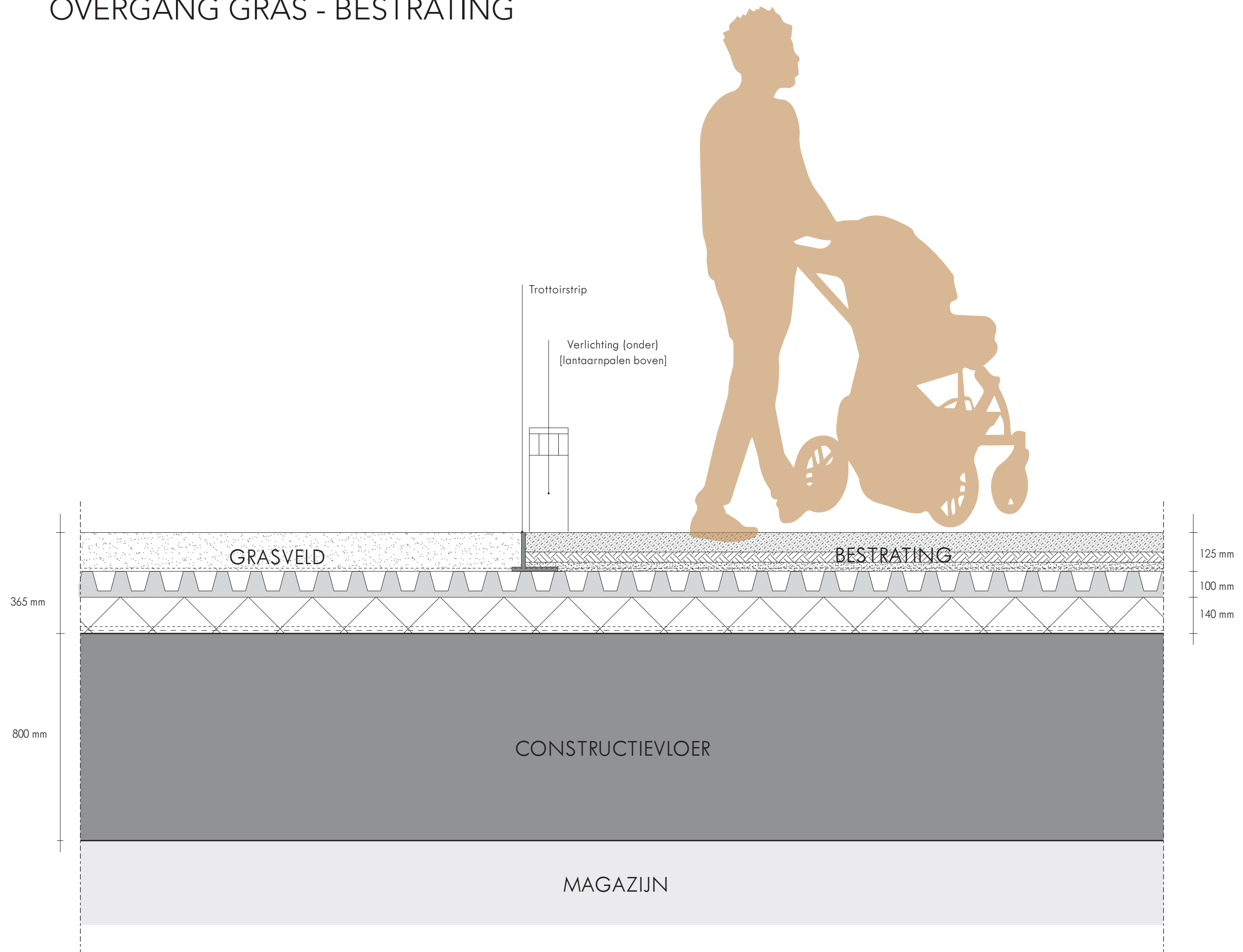
ISOLATIE

CONSTRUCTIE

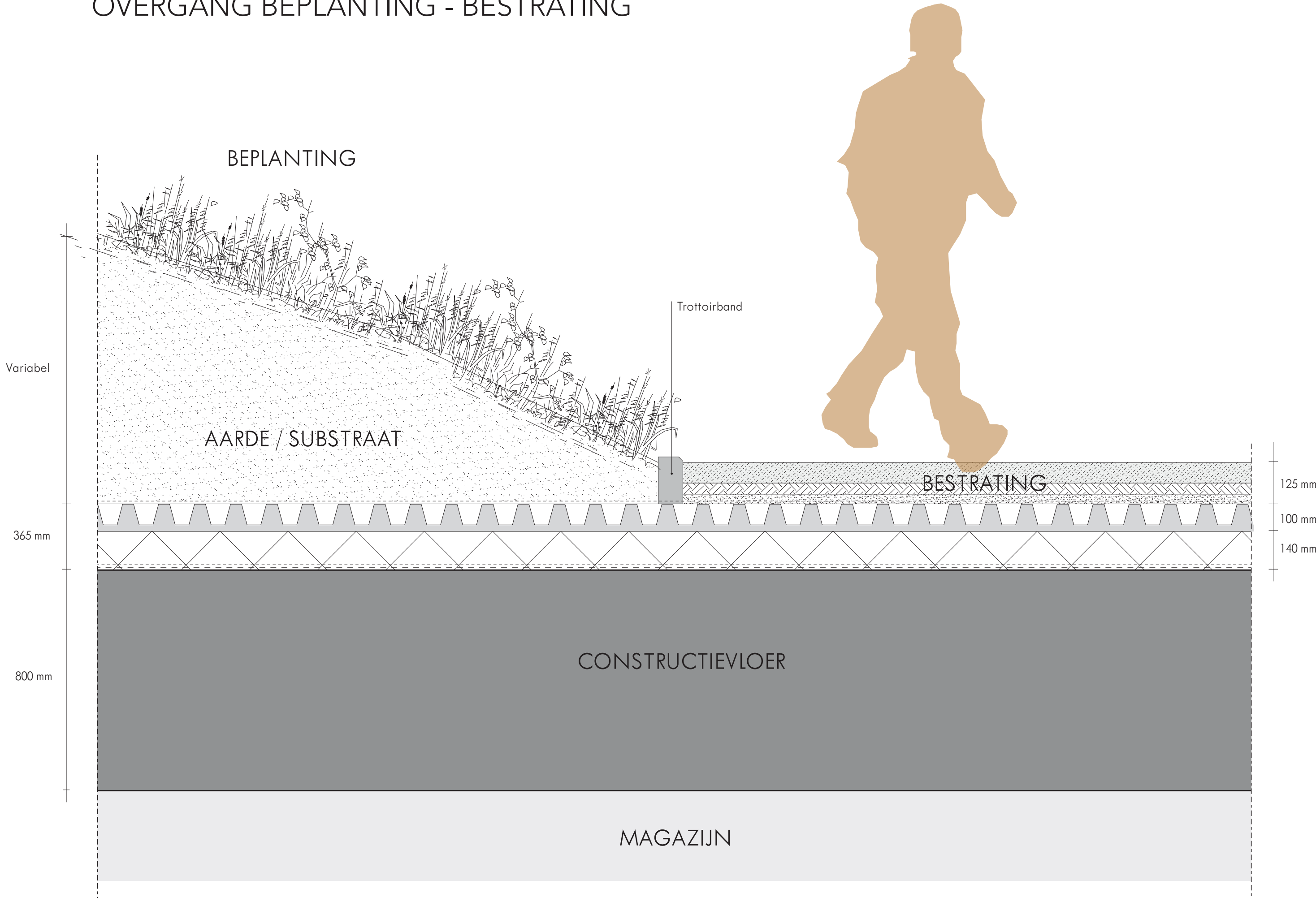
OVERGANG BEPLANTING - BESTRATING



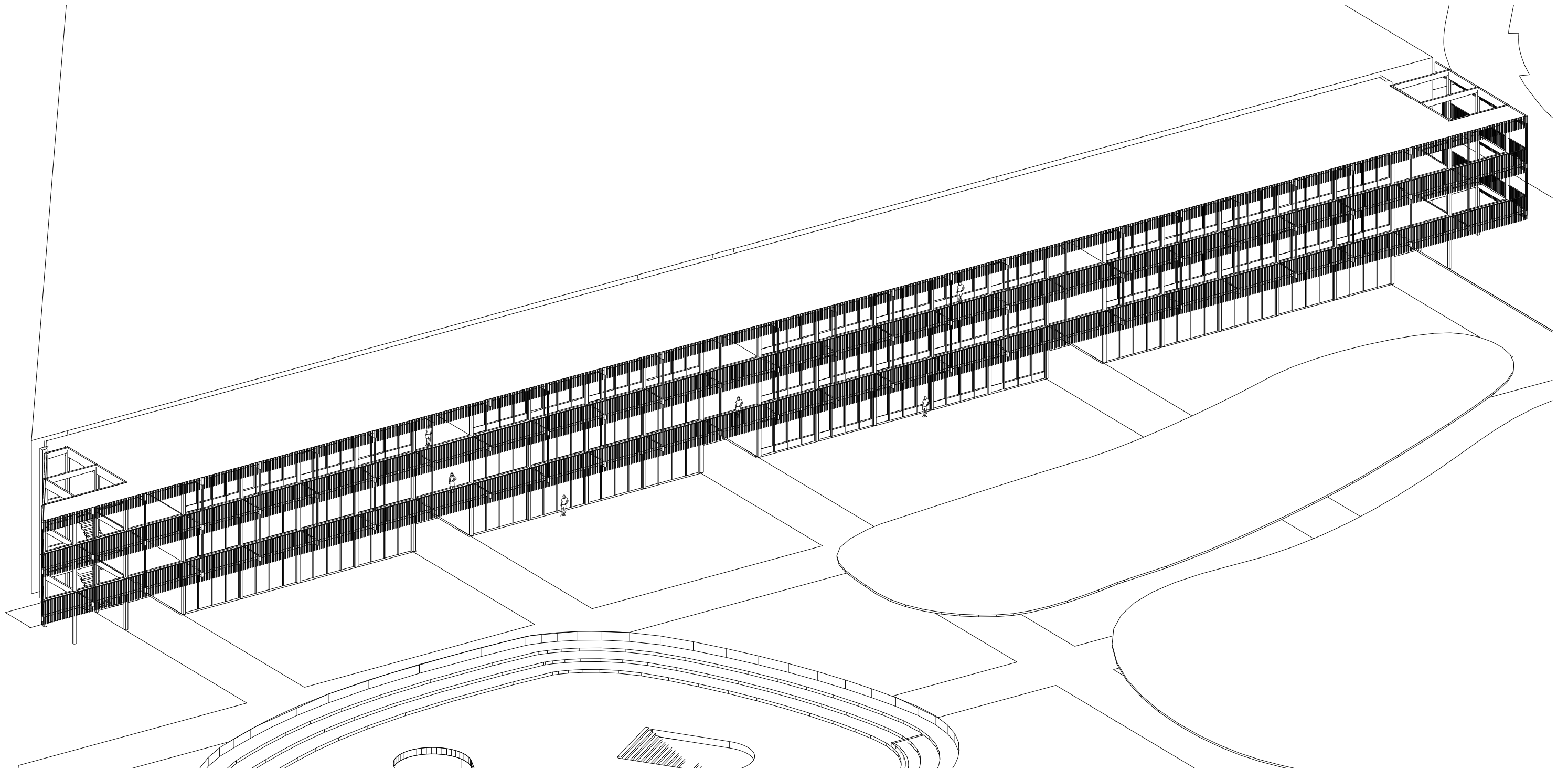
OVERGANG GRAS - BESTRATING

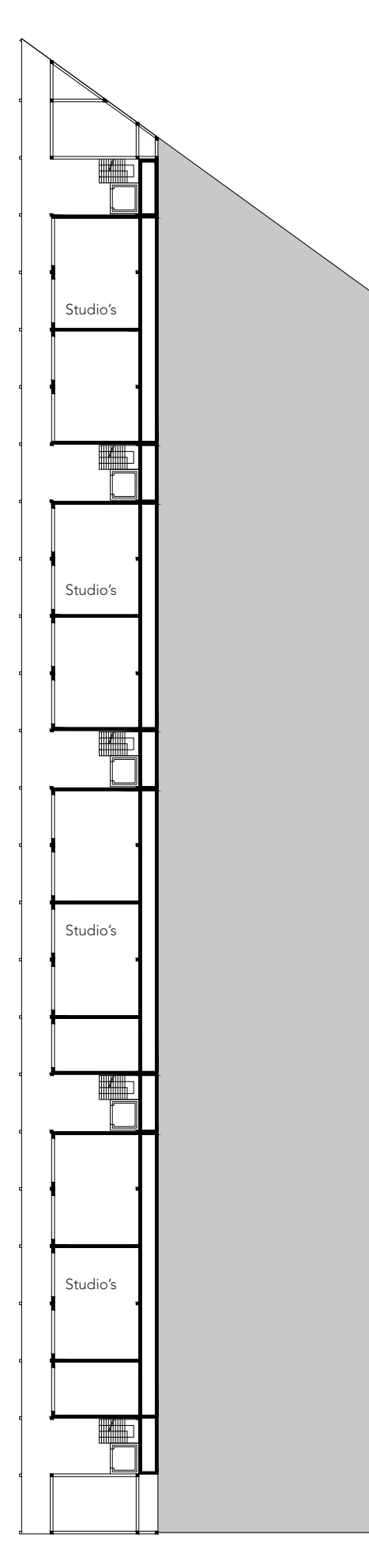
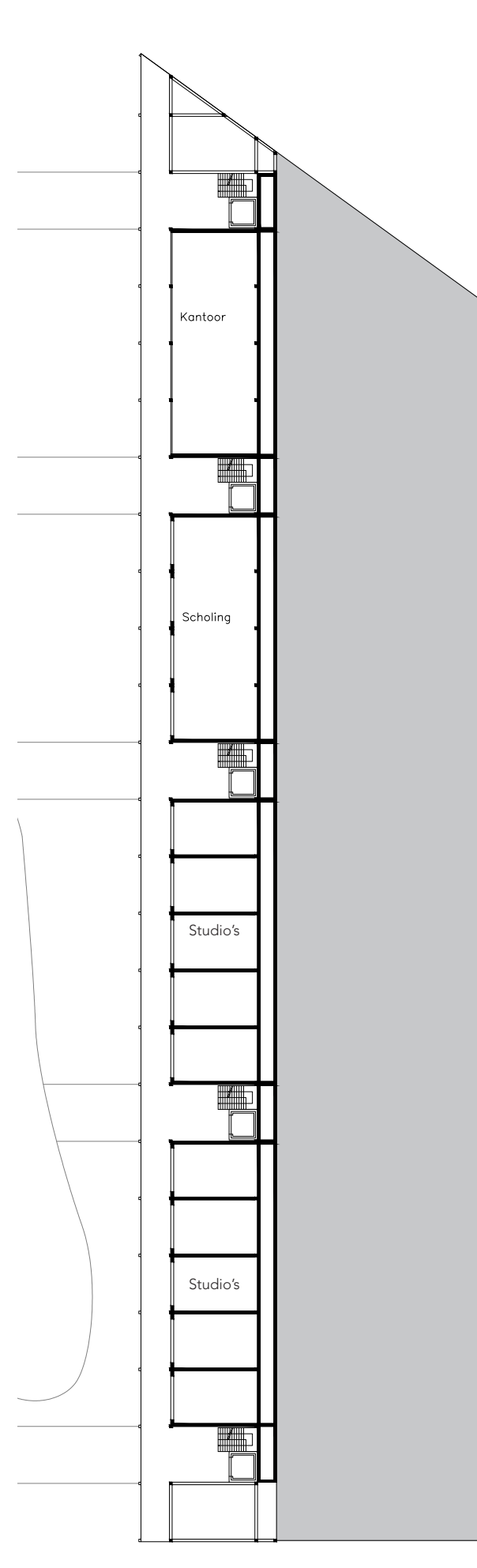
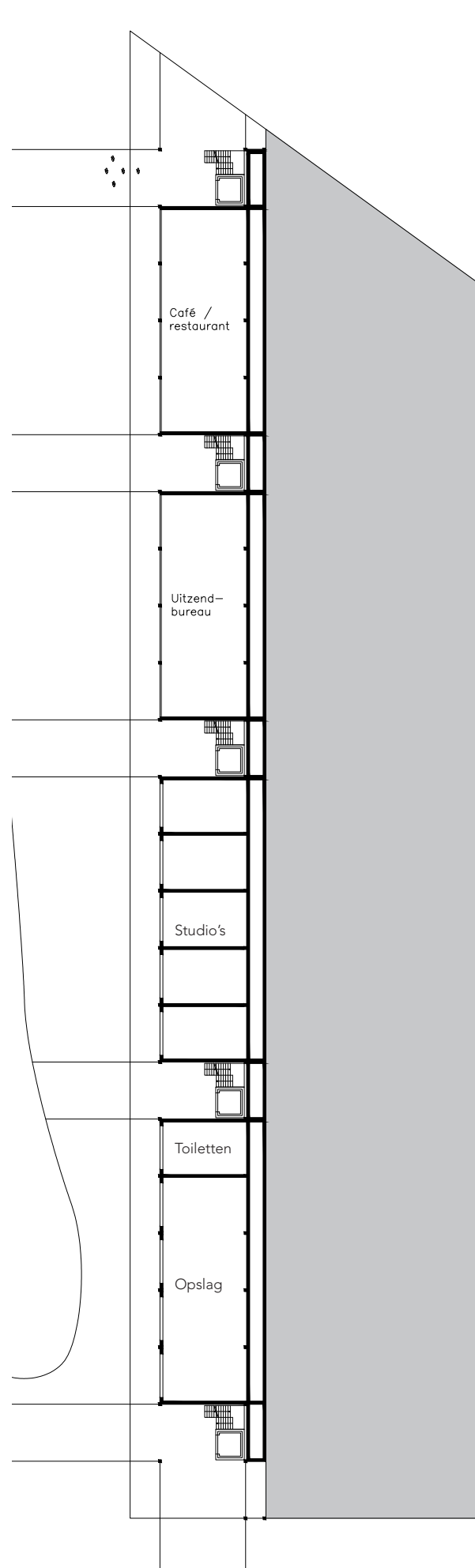
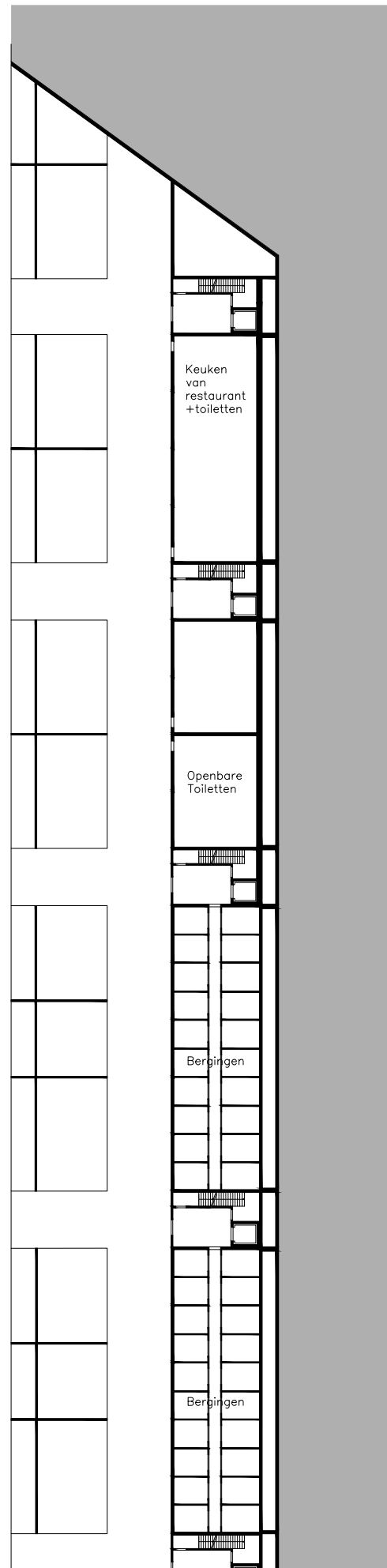
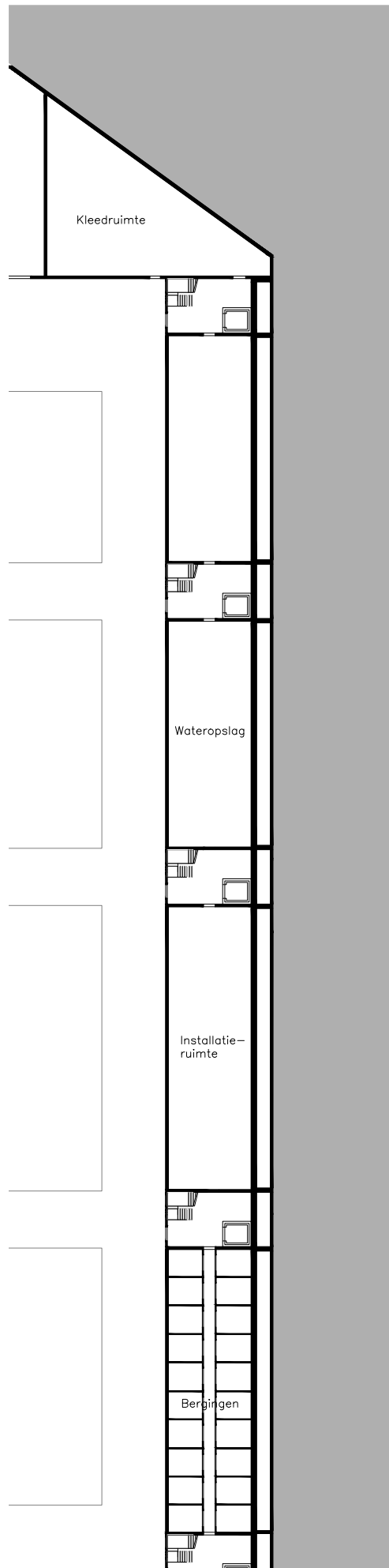


OVERGANG BEPLANTING - BESTRATING



UITWERKING WAND



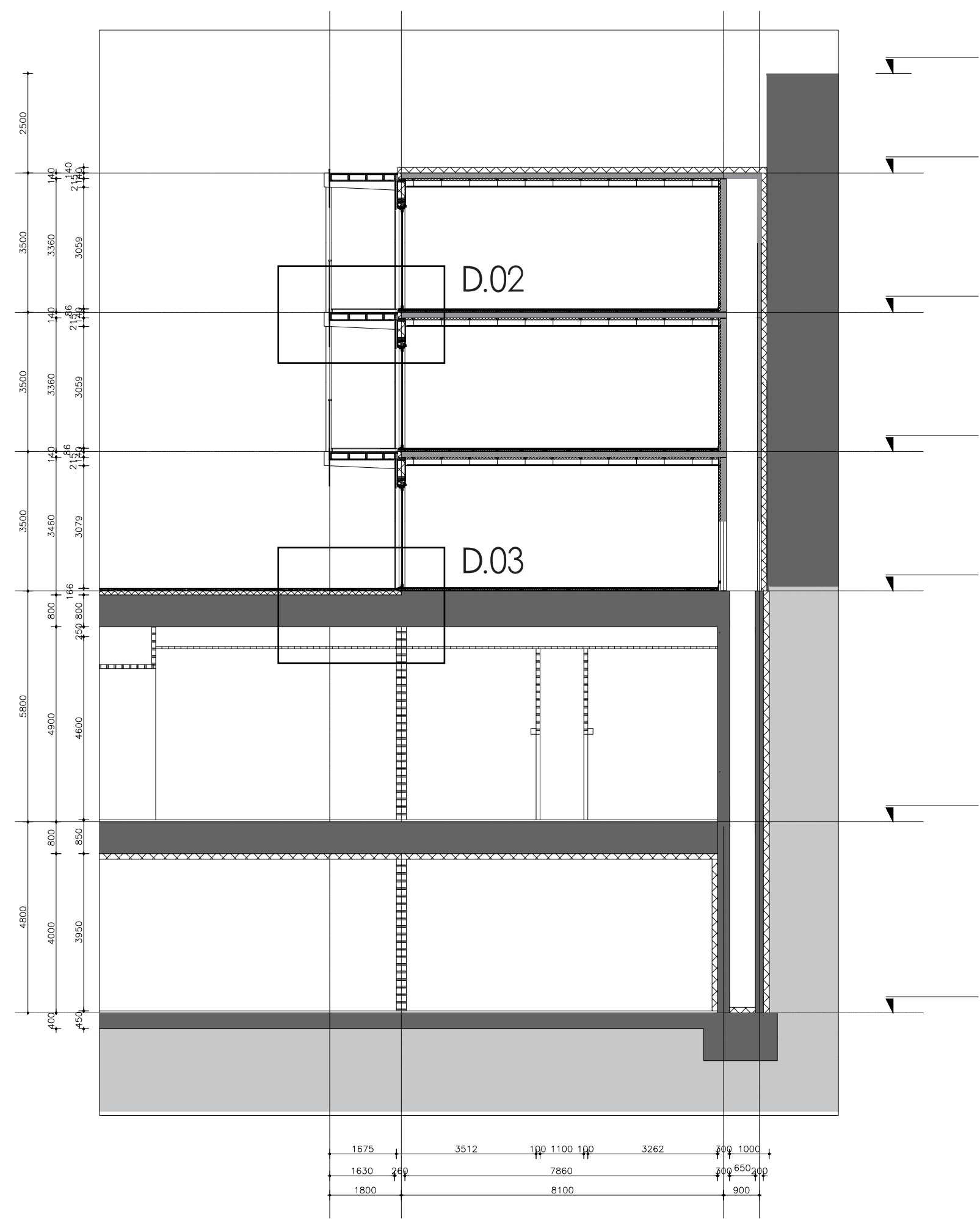


PLATTEGROND STUDIO RUIMTES

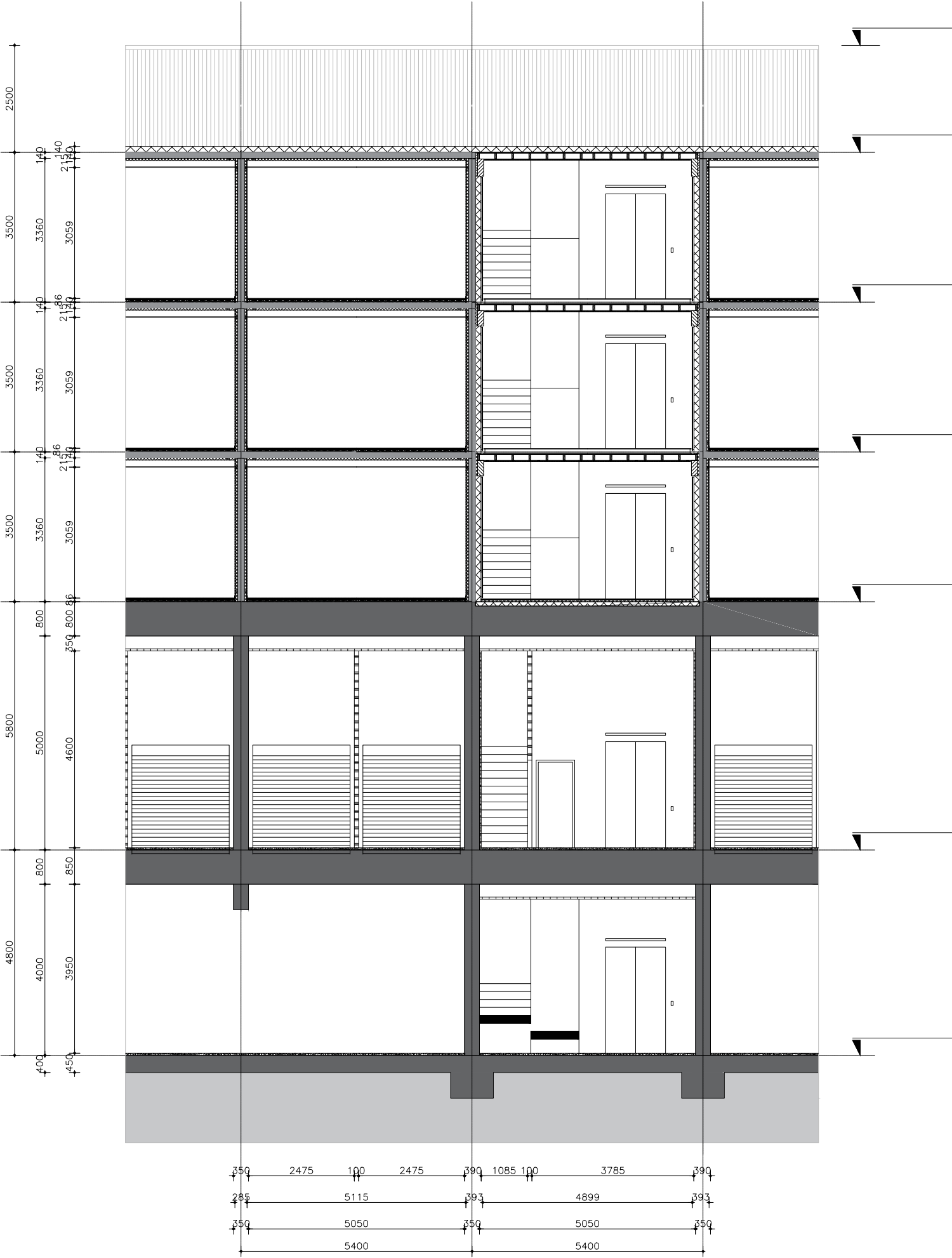




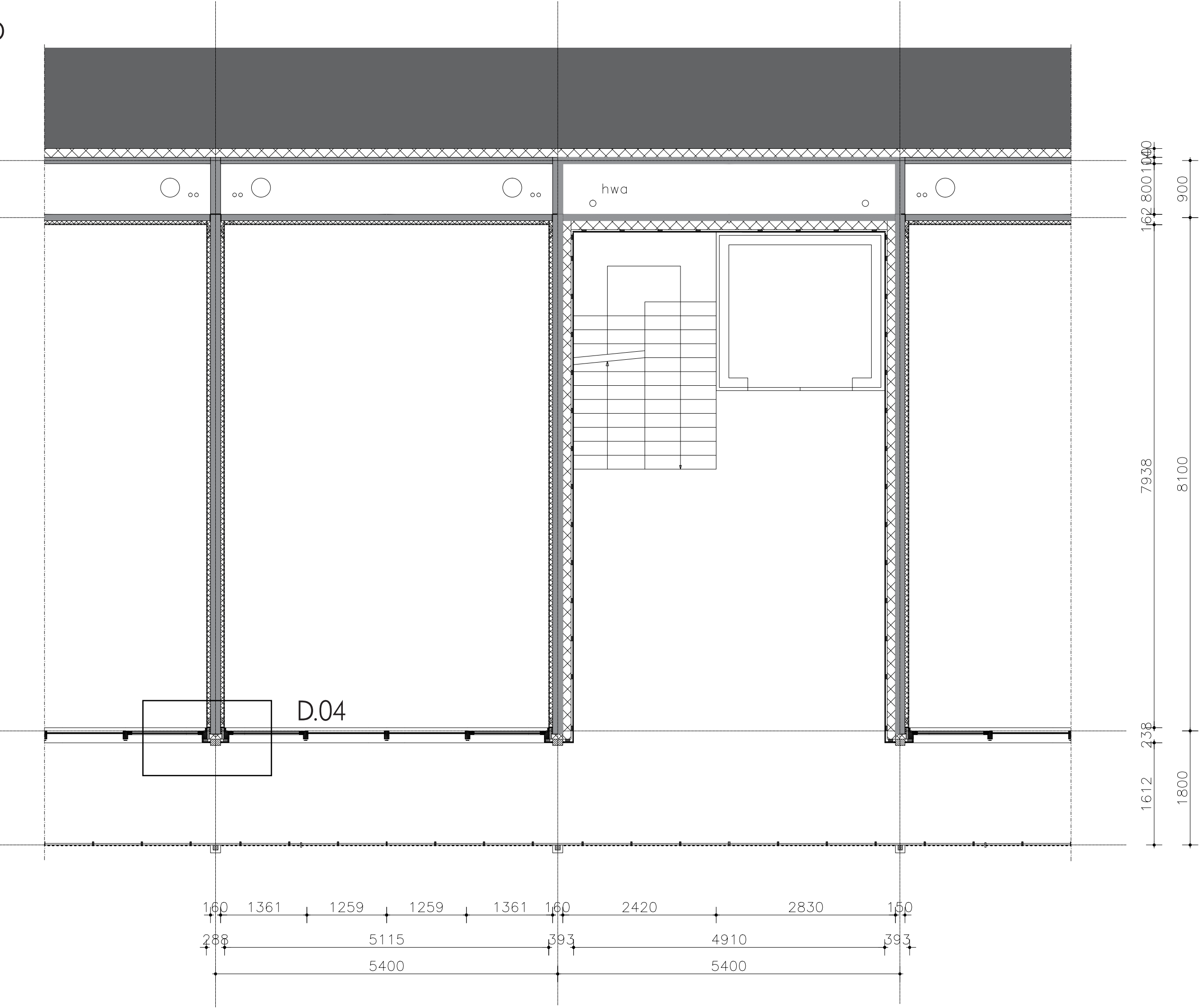
DWARSDOORSNEDE



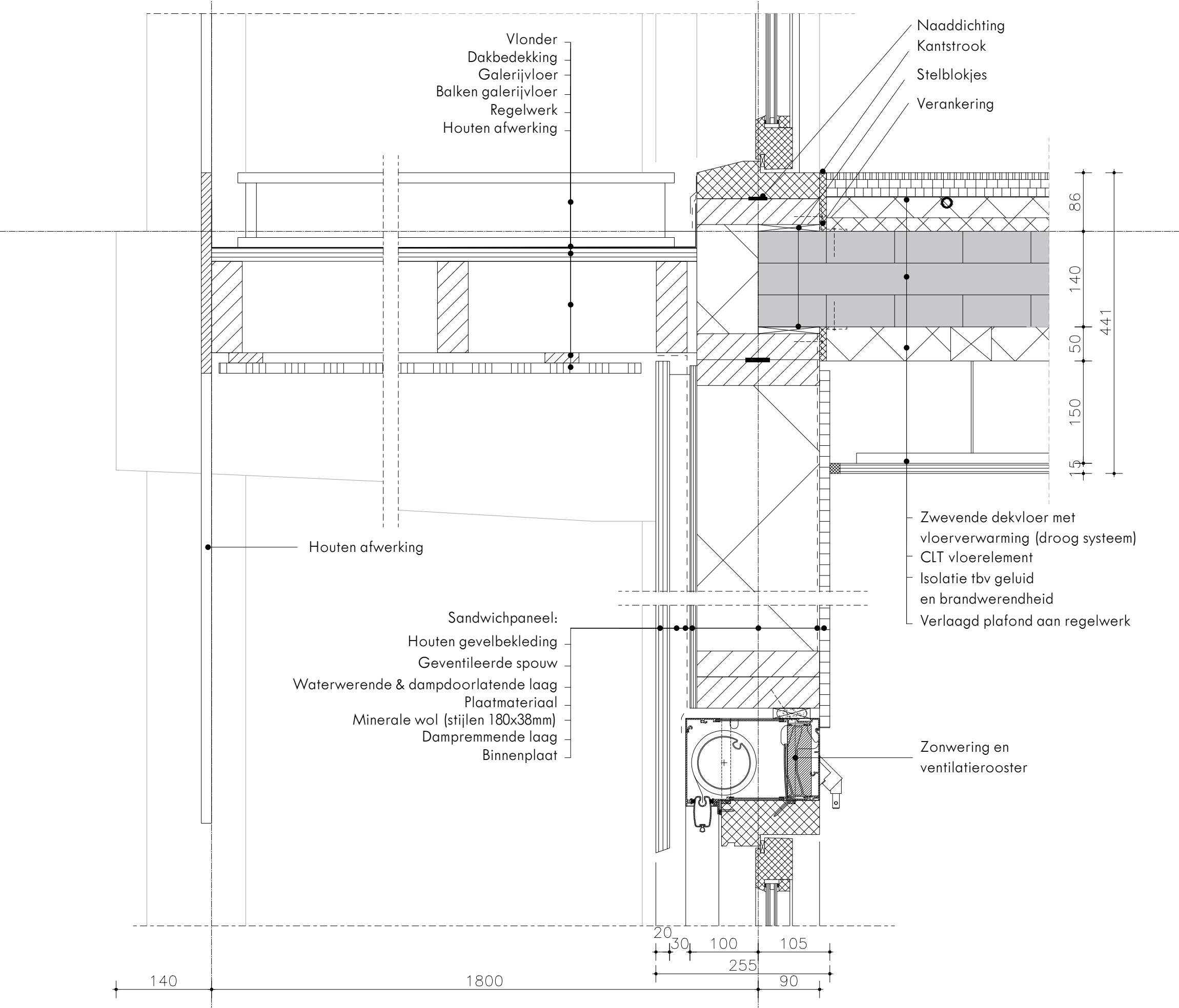
LENGTEDOORSNEDE

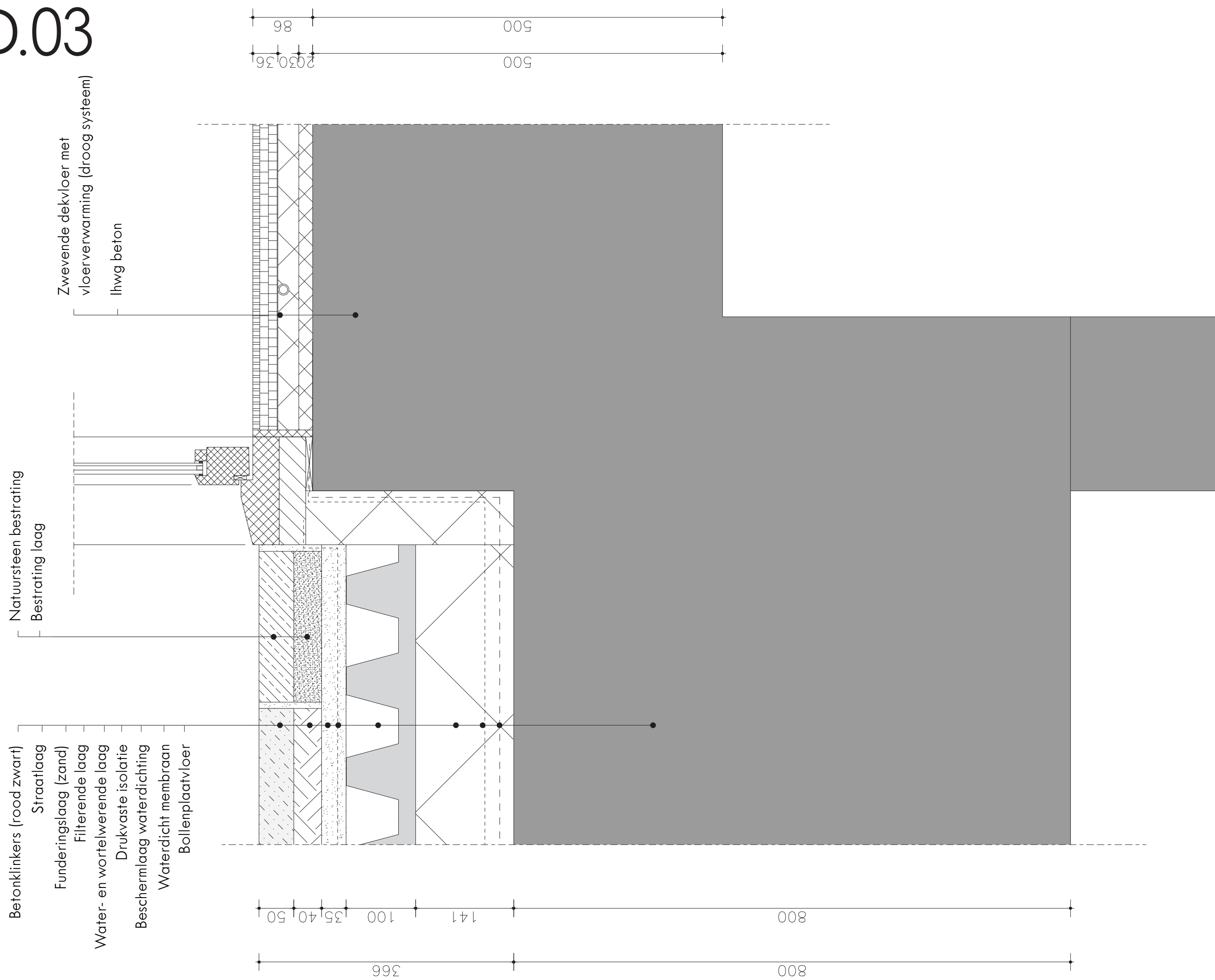


PLATTEGROND

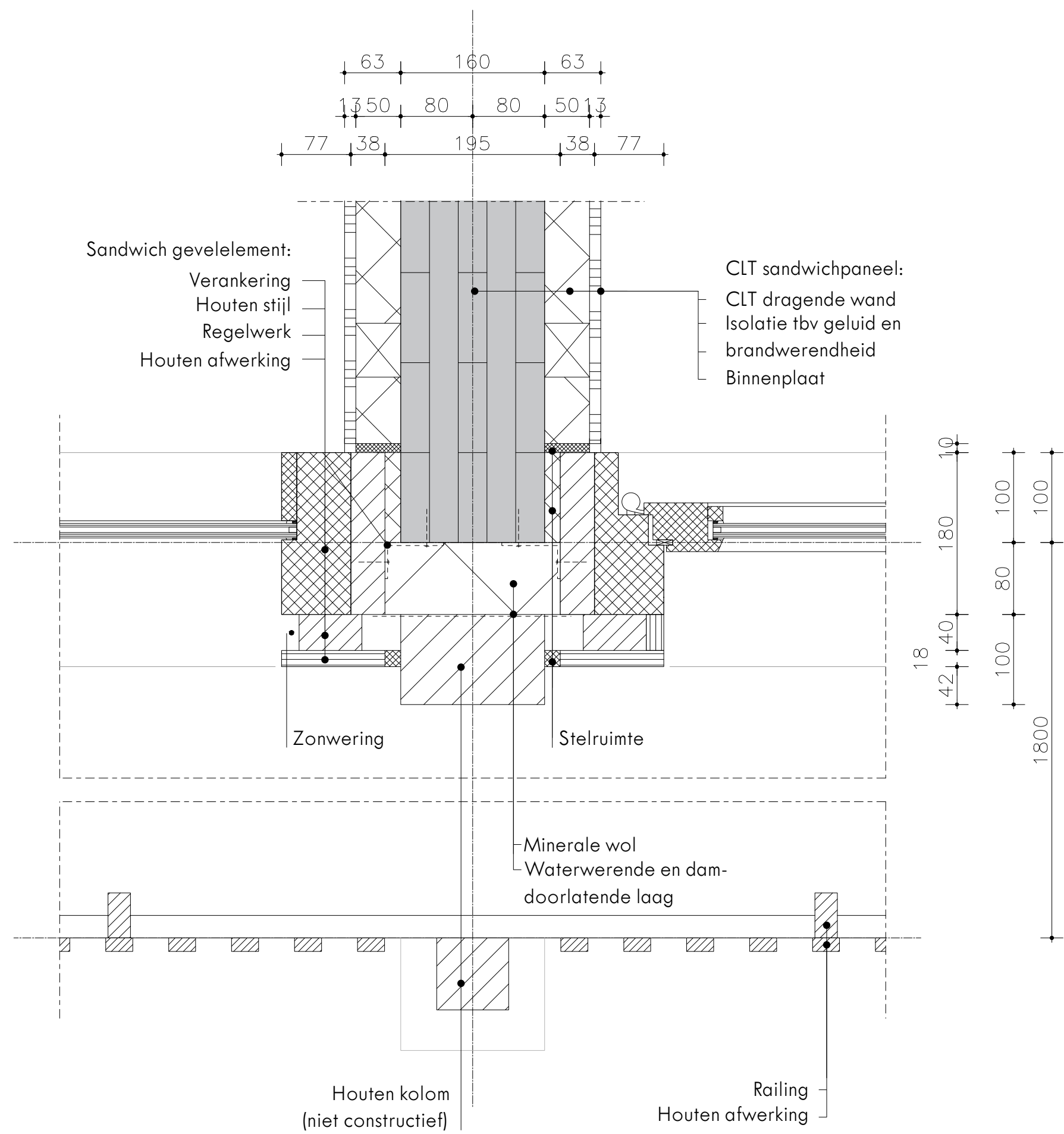


D.02

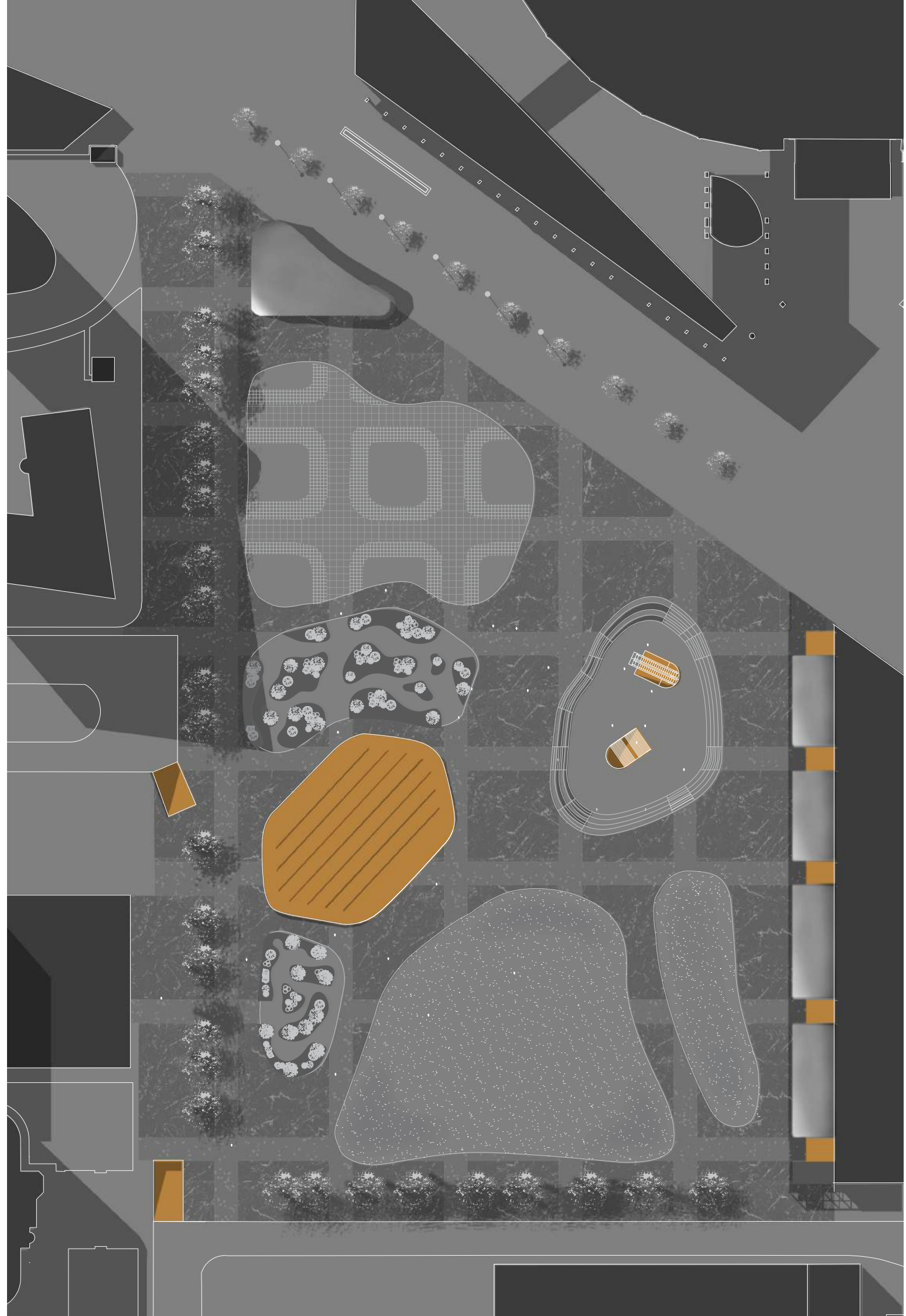


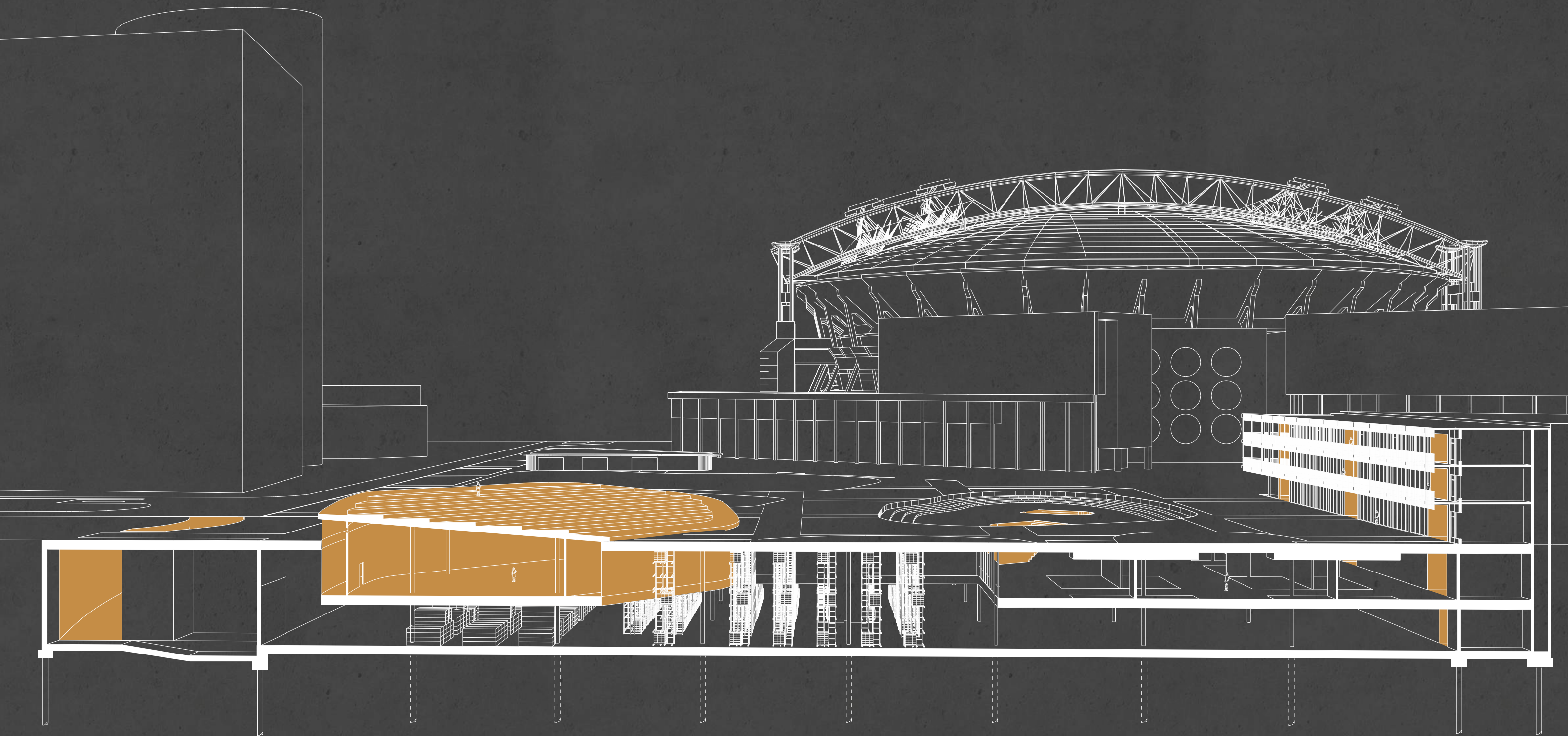


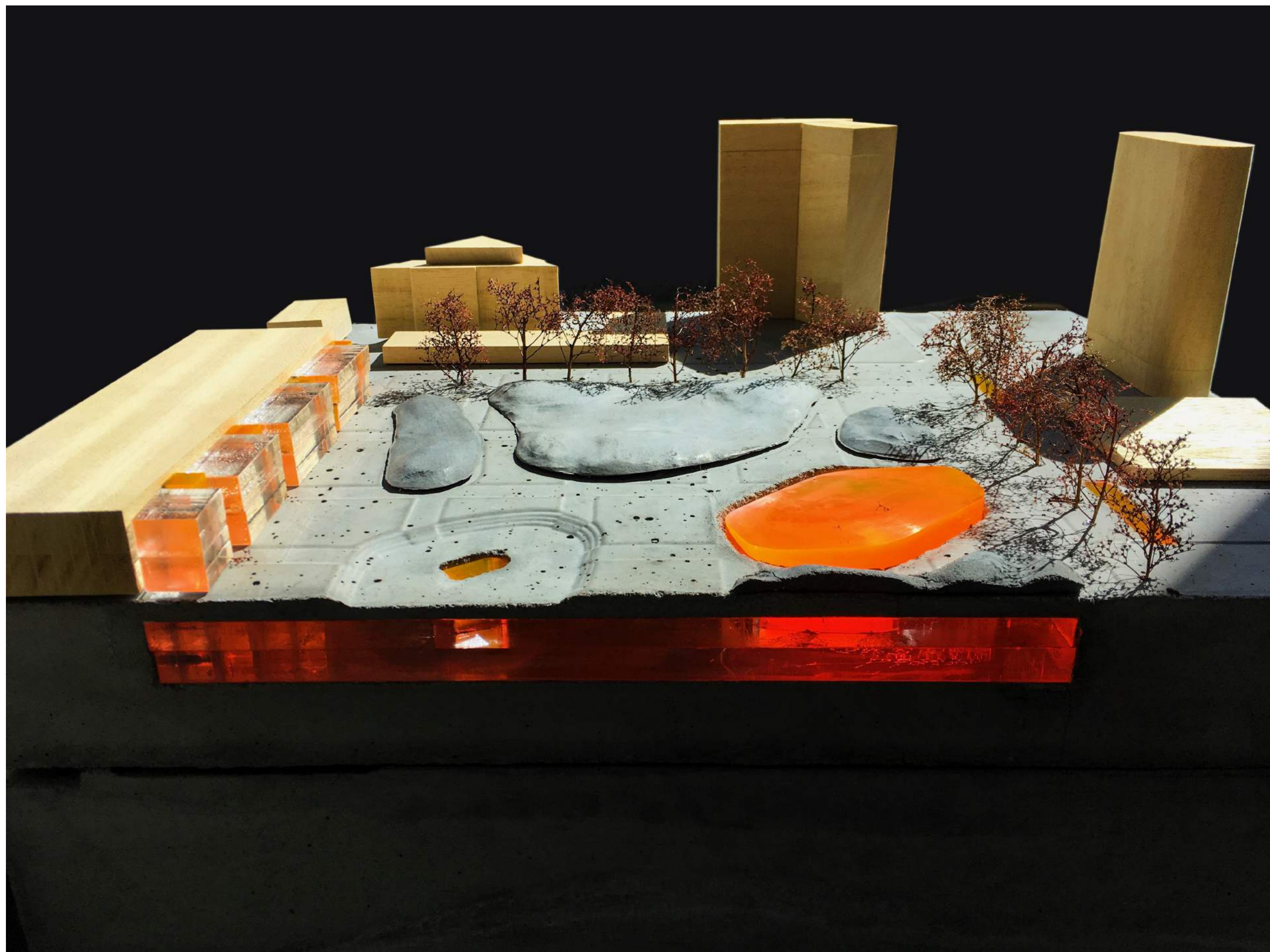
D.04

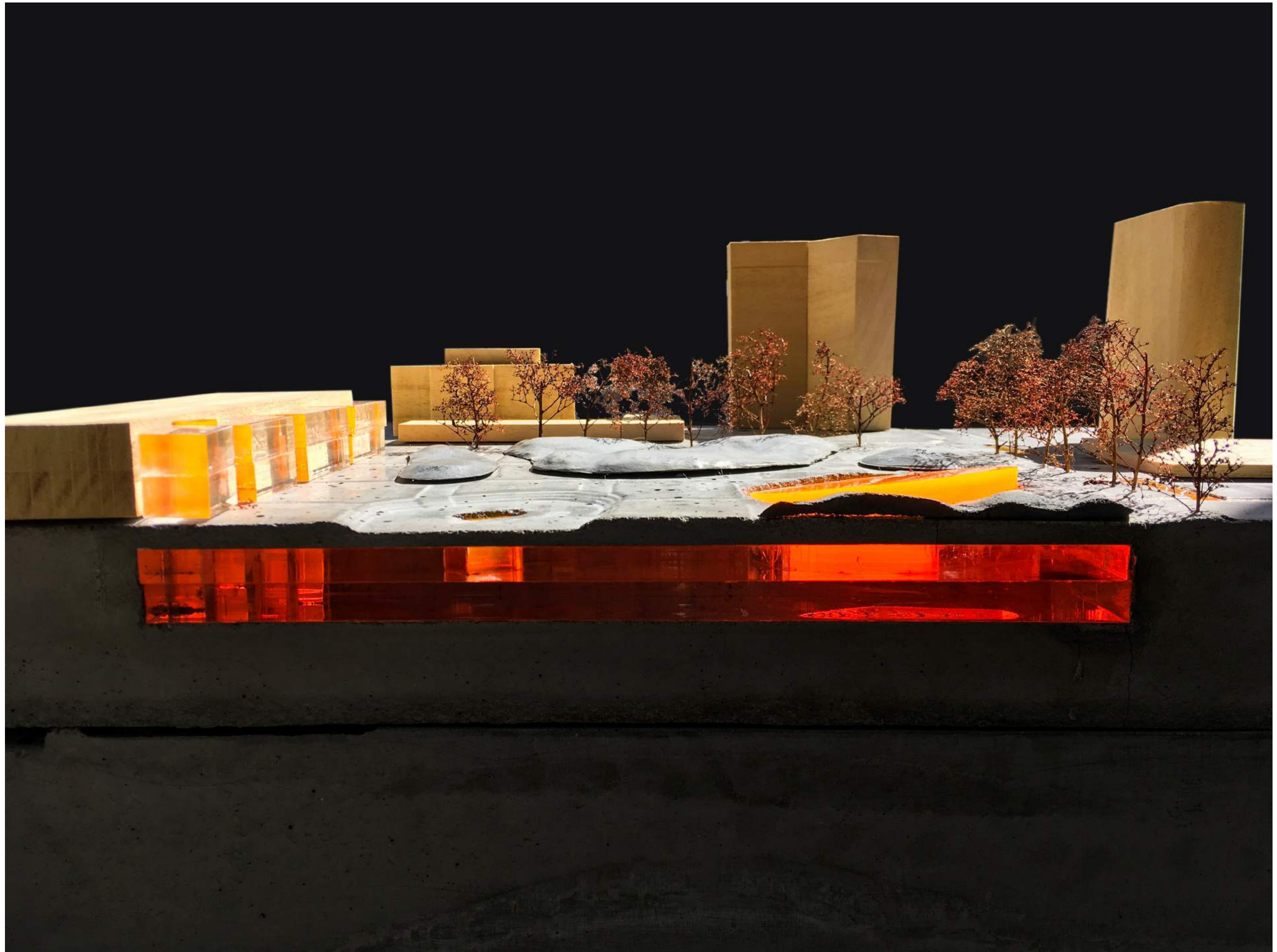


MODEL

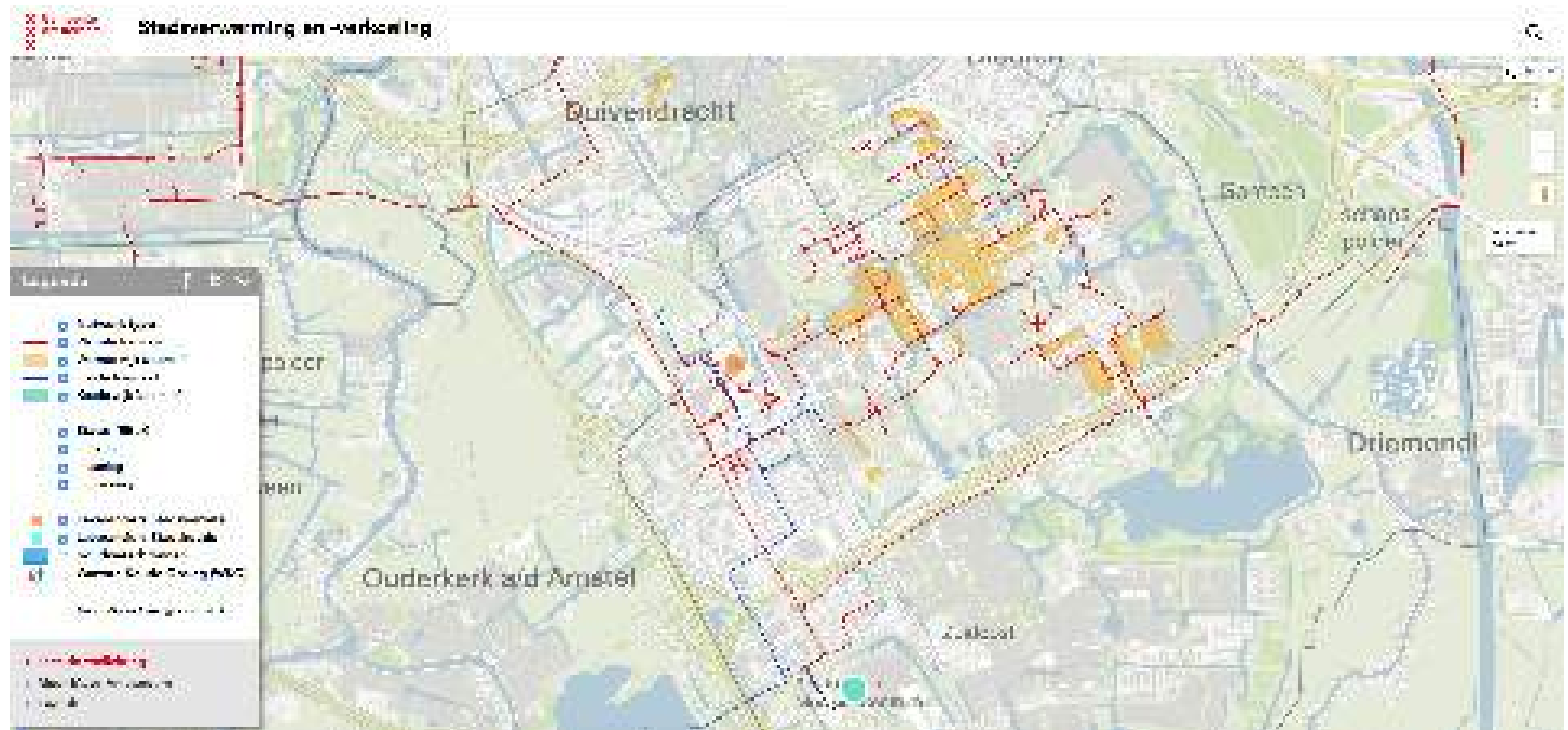




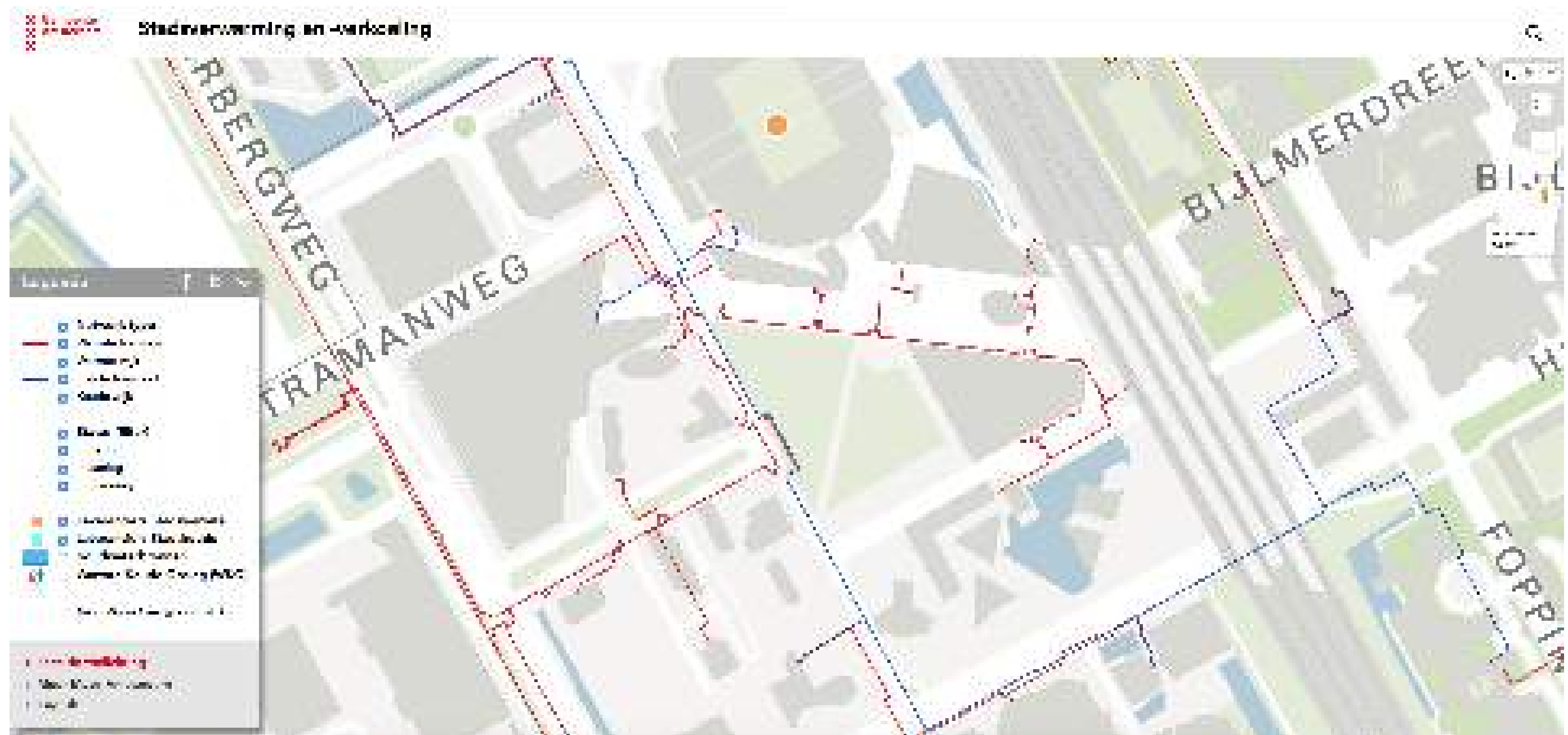




KLIMAAT

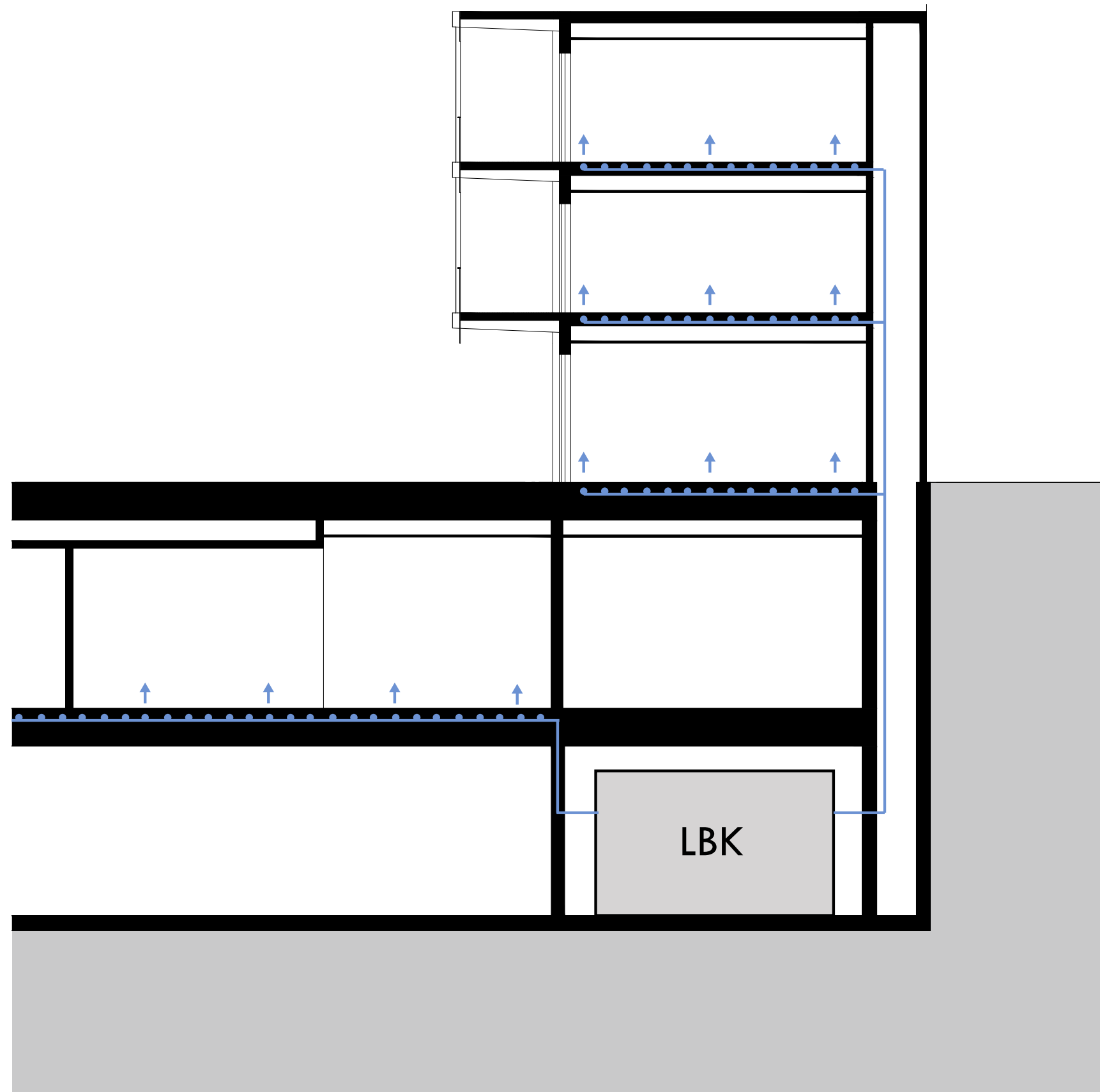


Bron: maps.amsterdam.nl

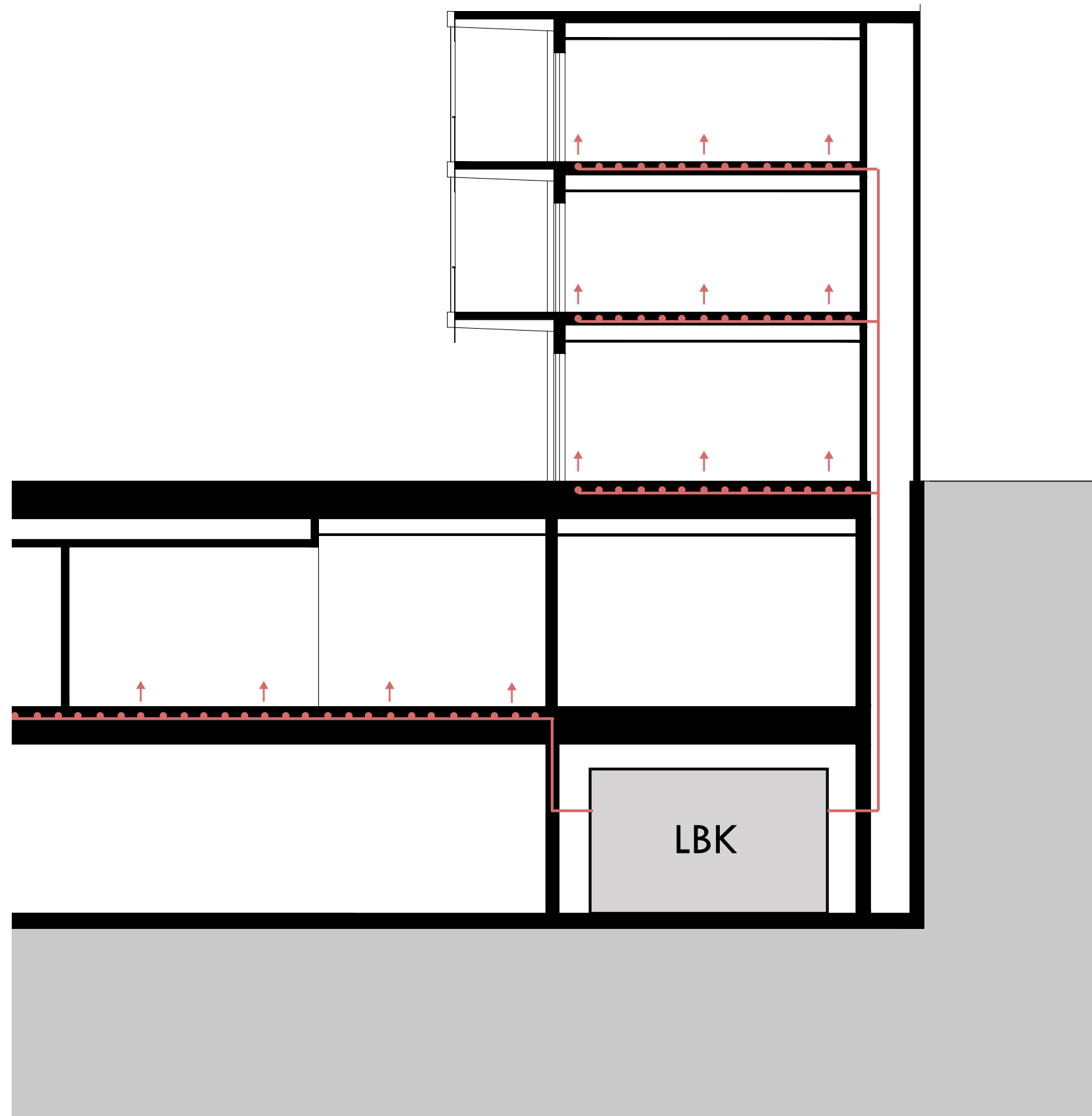


Bron: maps.amsterdam.nl

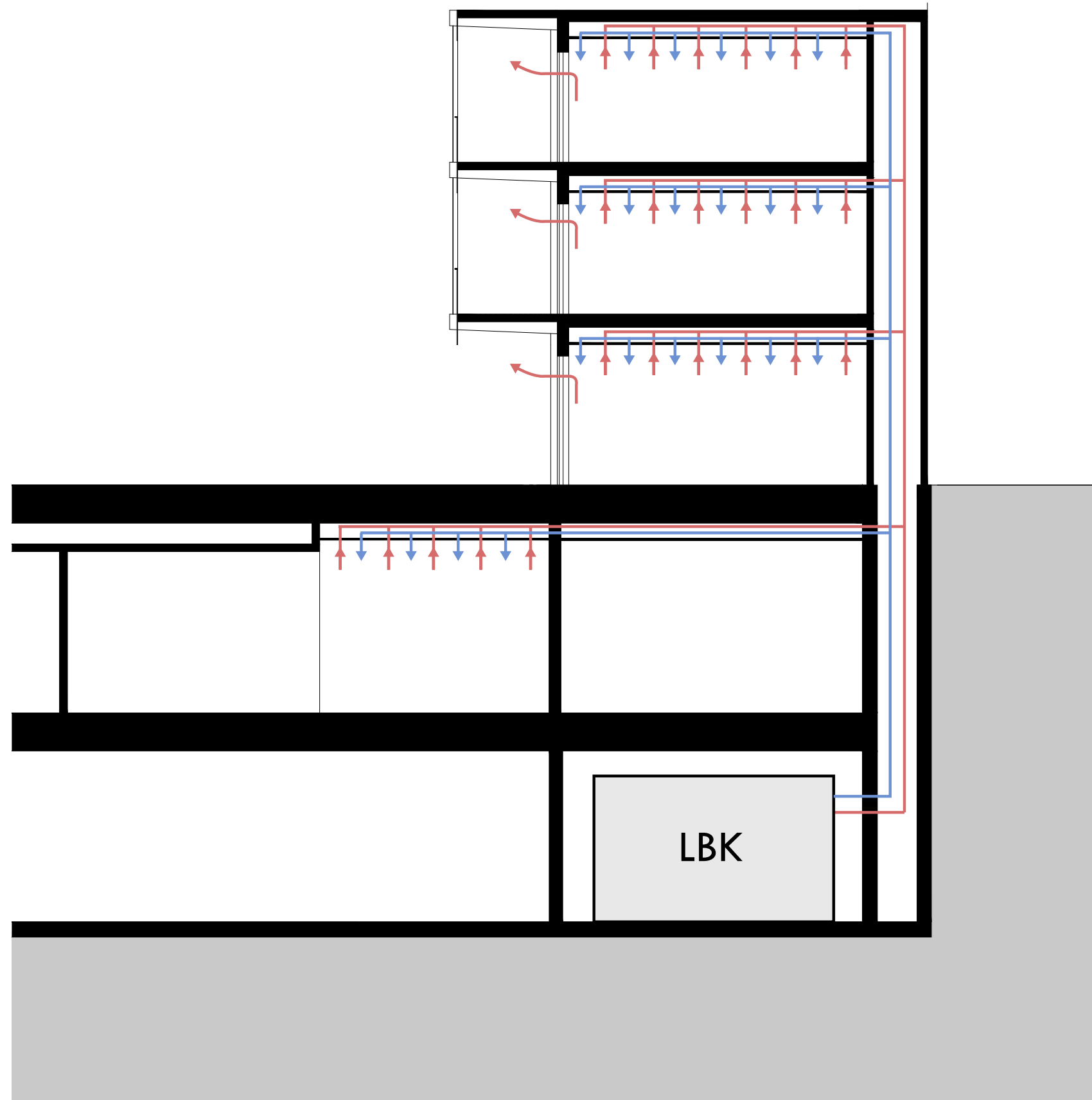
KOELING

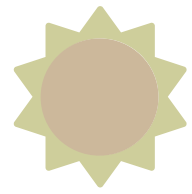


VERWARMING

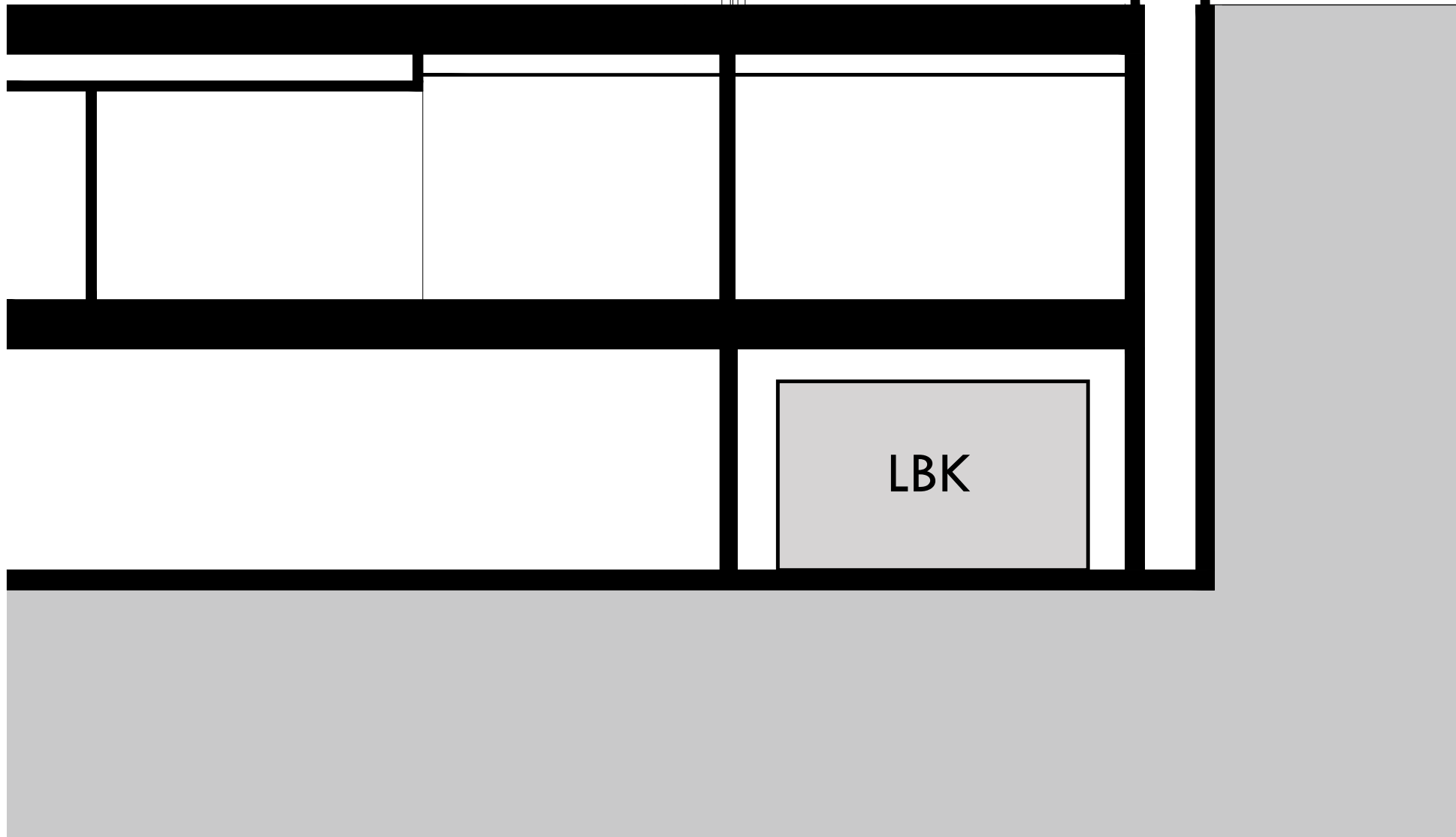
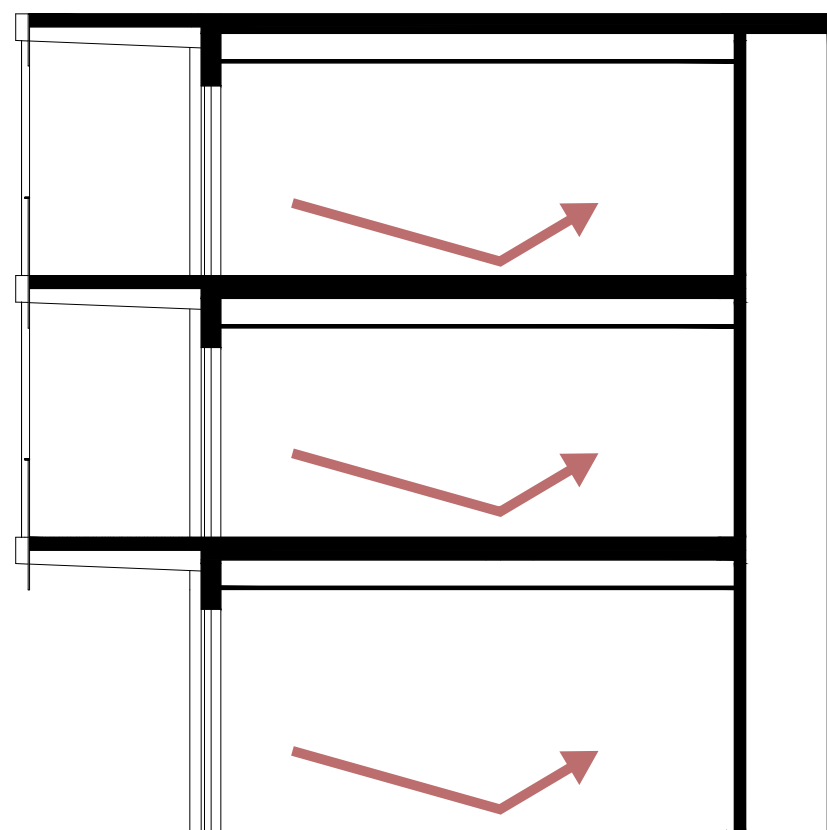


VENTILATIE



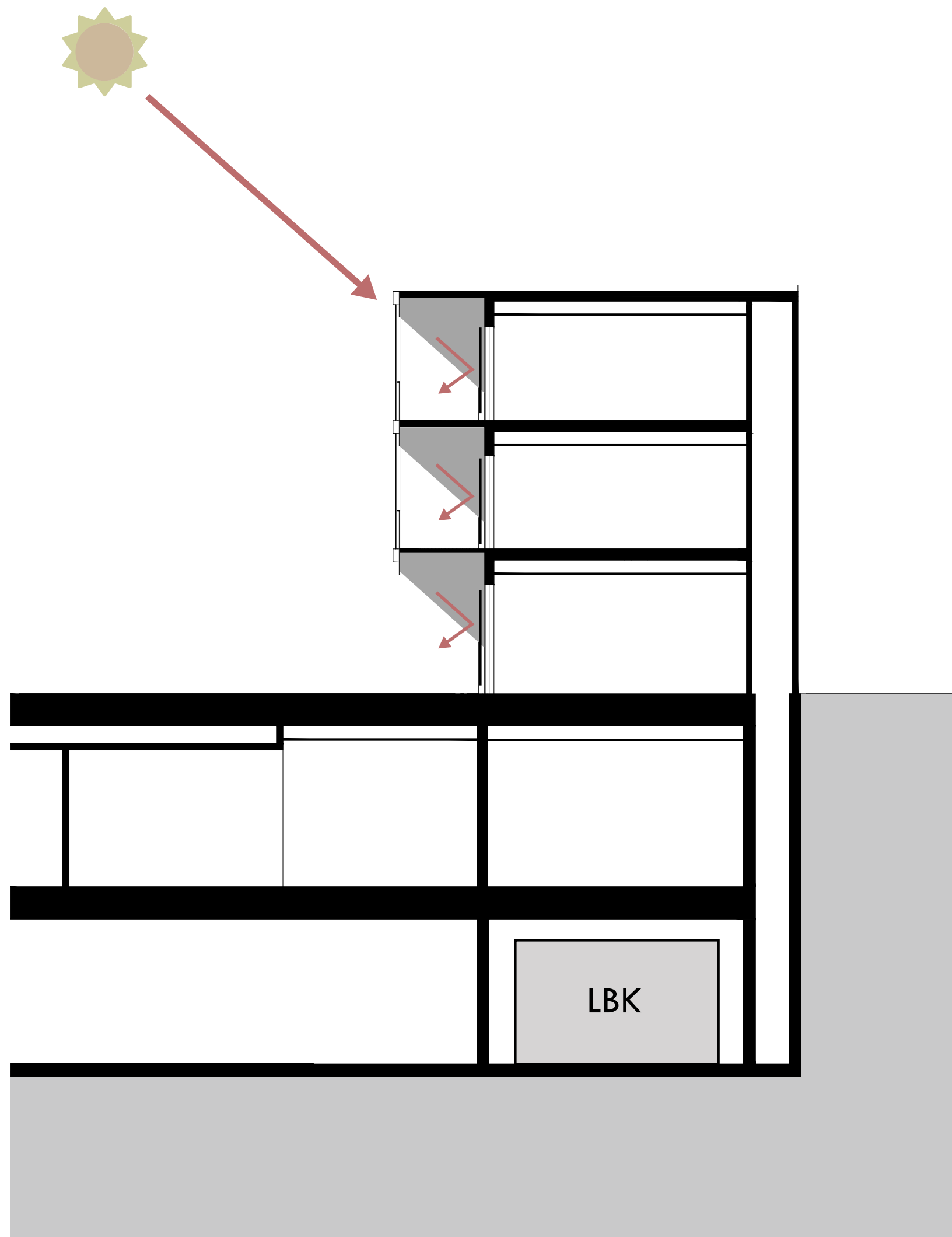


WINTER



LBK

ZOMER



WATEROPSLAG

