

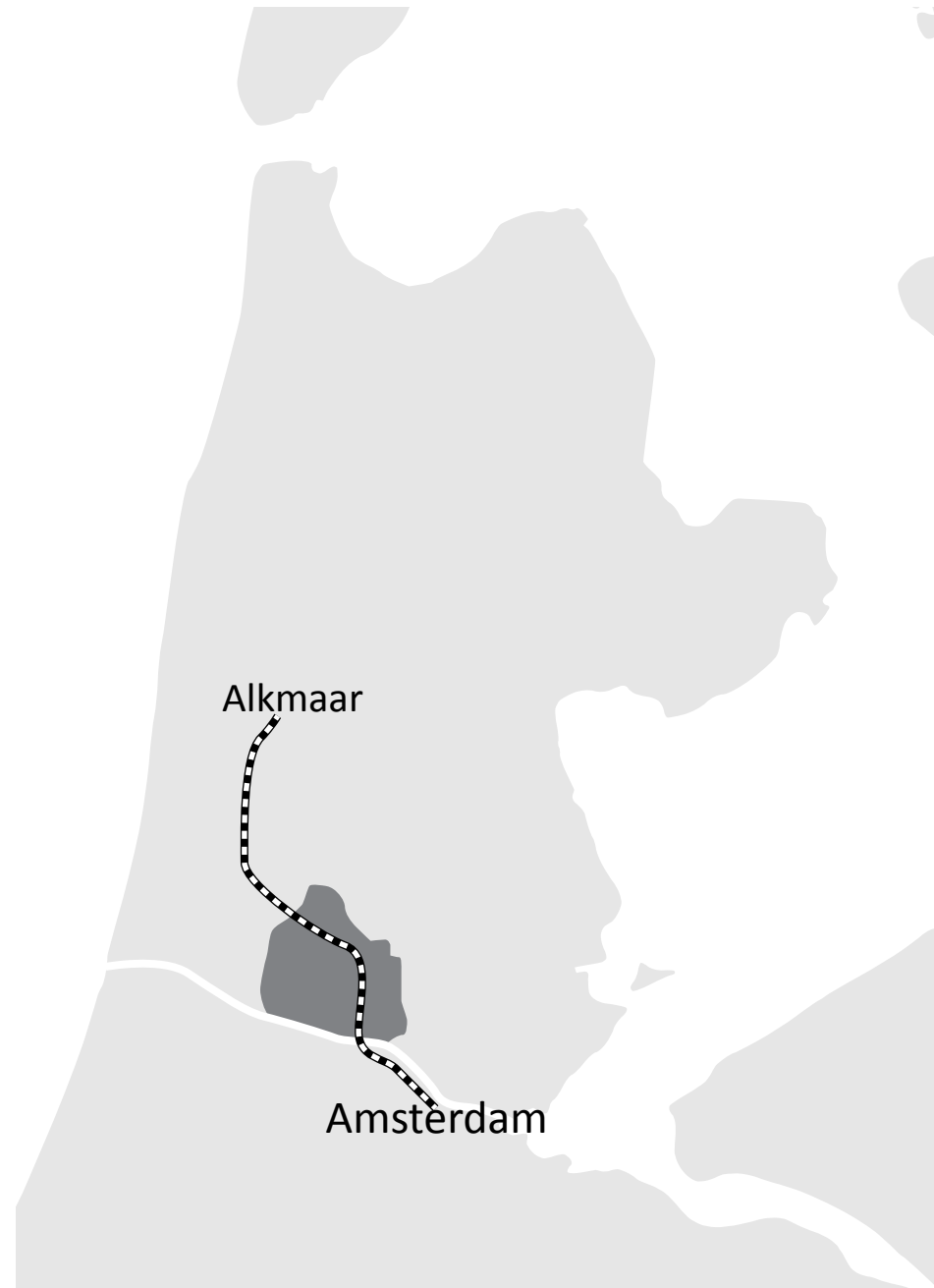
# P5 PRESENTATIE



# AFSTUDEREN IN DE ZAA NSTREEK



Holland



Noord-Holland



Zaanstreek



# AFSTUDEREN IN DE ZAA NSTREEK





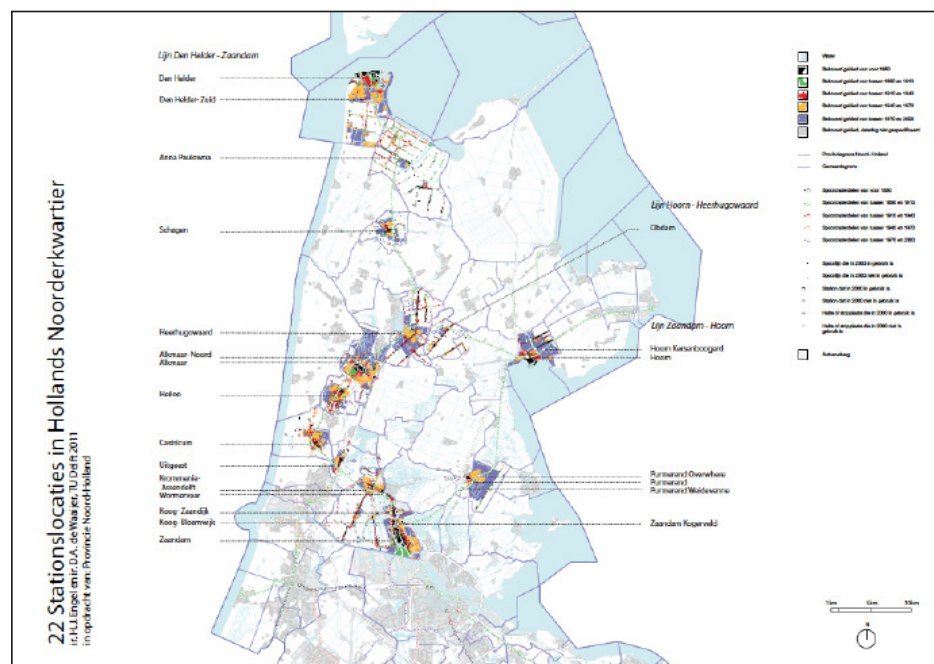
# AFSTUDEERSTUDIO 'HYBRID BUILDINGS / URBAN REGENERATION'

## DOELEN

- + Woningdichtheid verhogen
- + Verbeteren van de stationsomgeving
- + Hergebruik van industriële bebouwing

## Gebaseerd op "22 Stationslocaties in Hollands Noorderkwartier"

by Ir. H.J. Engel & D.A. de Waaijer, TU Delft 2011





STUDIO INTRODUCTIE

MASTERPLAN (Zaanstreek)

SCHAAL 1:25.000

STEDENBOUWKUNDIG PLAN (Koog aan Zaan / Zaandijk)

SCHAAL 1:1.000

(STATIONS)GEBOUW (Koog-Zaandijk)

SCHAAL 1:200 - 1:10



# MASTERPLAN (Zaanstreek)

# Amsterdam

# Zaan

# Zaanstreek



AMSTERDAM CS - MUSEUMPLEIN  
**14 MINUTES**  
BY TRAM



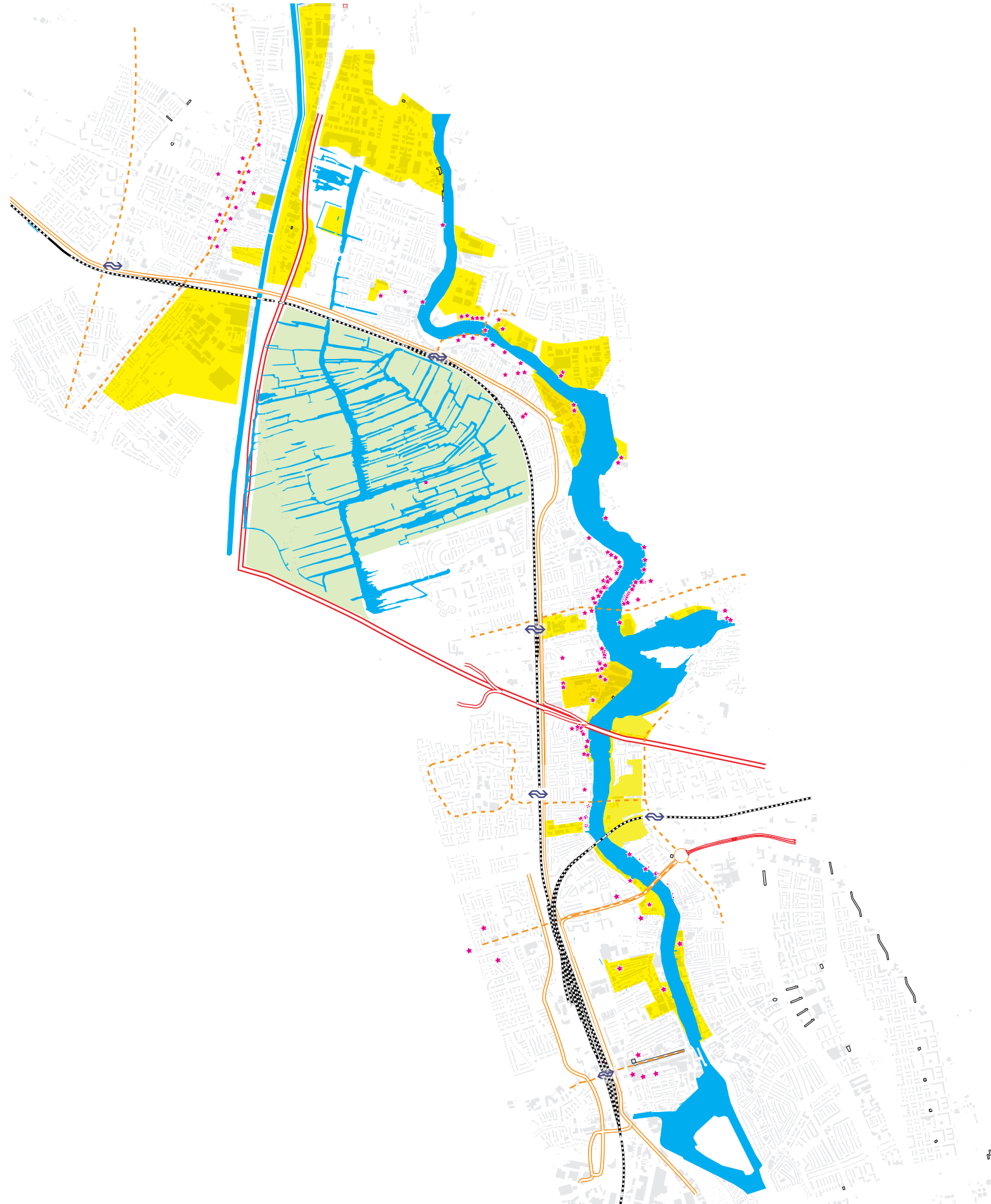
AMSTERDAM CS - BIJLMER ARENA  
**15 MINUTES**  
BY METRO



AMSTERDAM CS - KOOG-ZAANDIJK  
**16 MINUTES**  
BY LIGHTRAIL



# STRUCTURERENDE ELEMENTEN



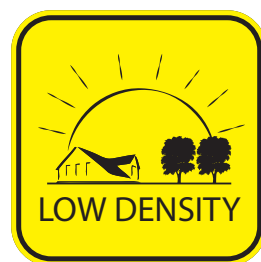
# MASTERPLAN ZAA NSTREEK



109,3 ha

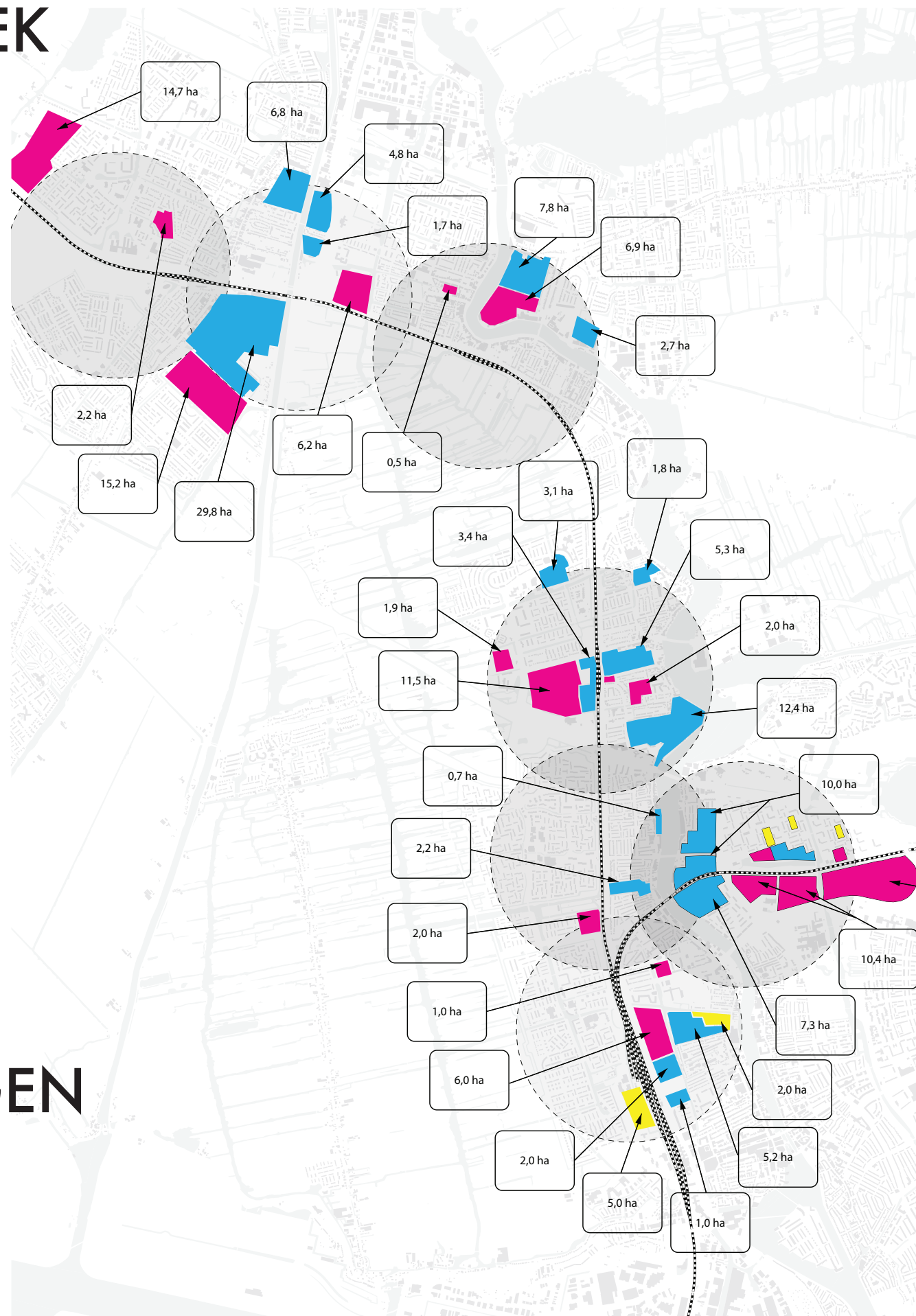


100,6 ha



8,6 ha

**+/- 7000 EXTRA WONINGEN**





# MASTERPLAN ZAANSTREEK

## Station Koog-Zaandijk

Free to built

1,9 ha  
11,5 ha  
2,0 ha  
0,3 ha

**total: 15,7 ha**

Industrial area for redevelopment

3,1 ha  
1,8 ha  
3,4 ha  
5,3 ha  
12,4 ha

**total: 25,0 ha**





# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK





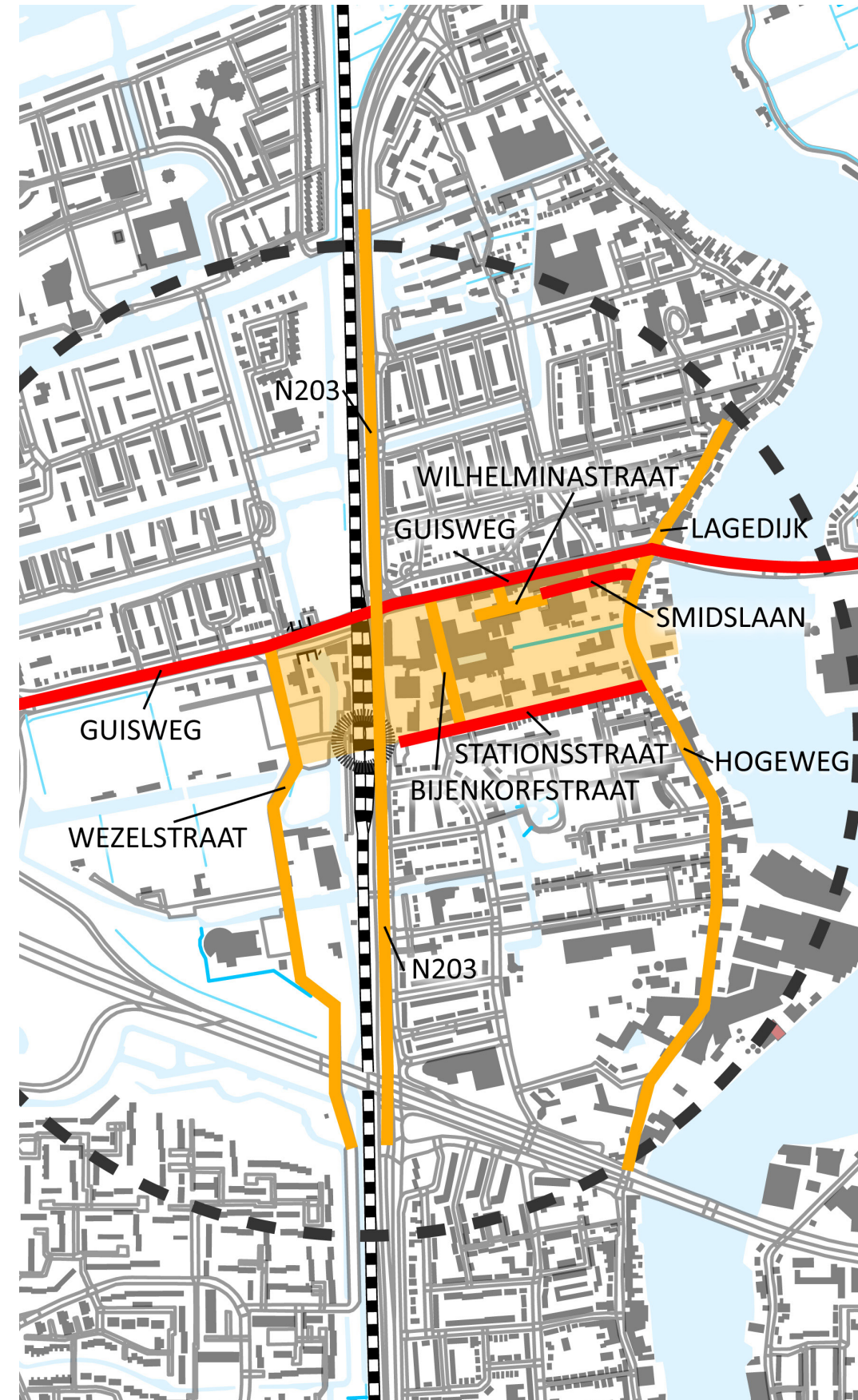
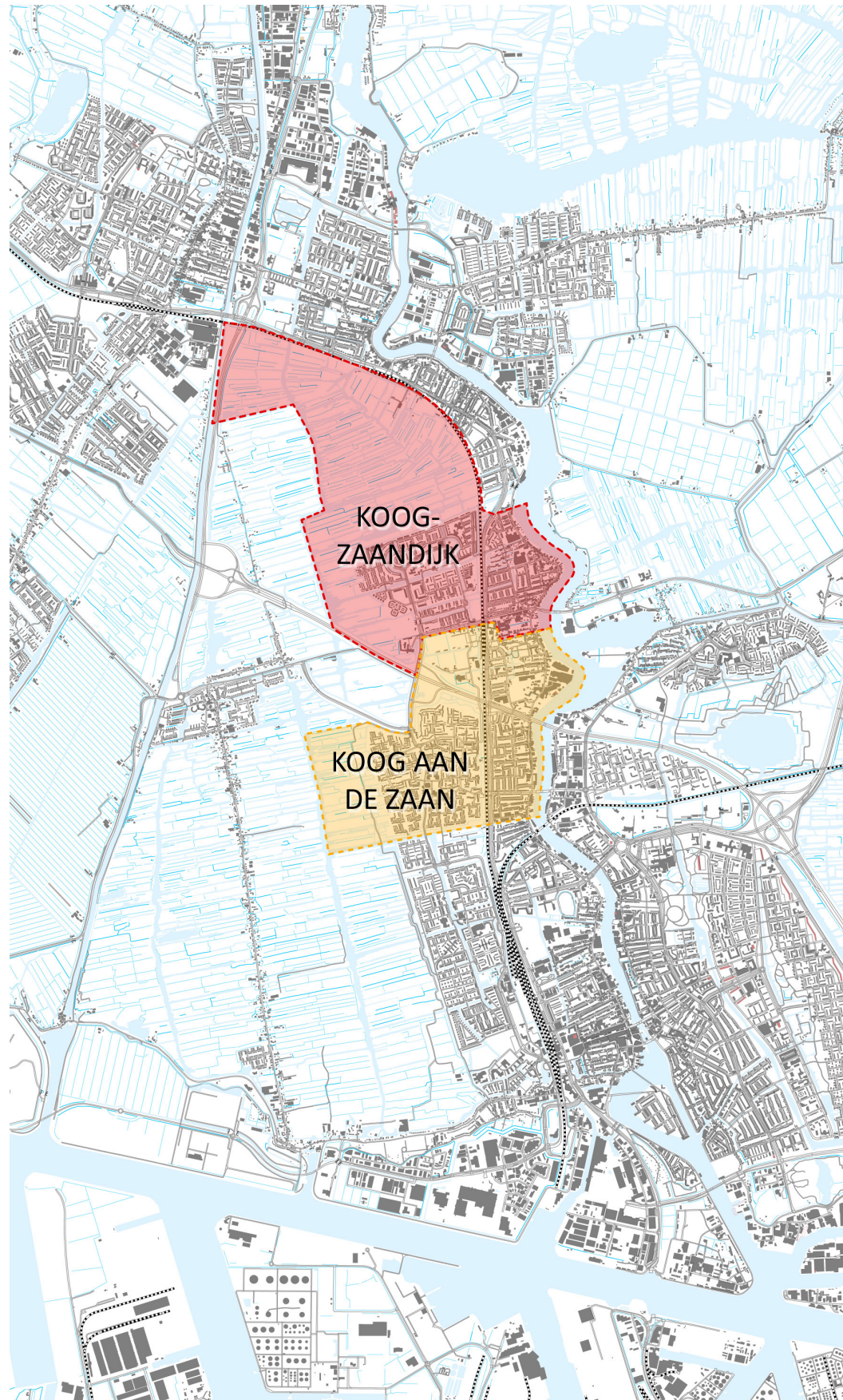
HERKENNING?

CACAO DE ZAAAN





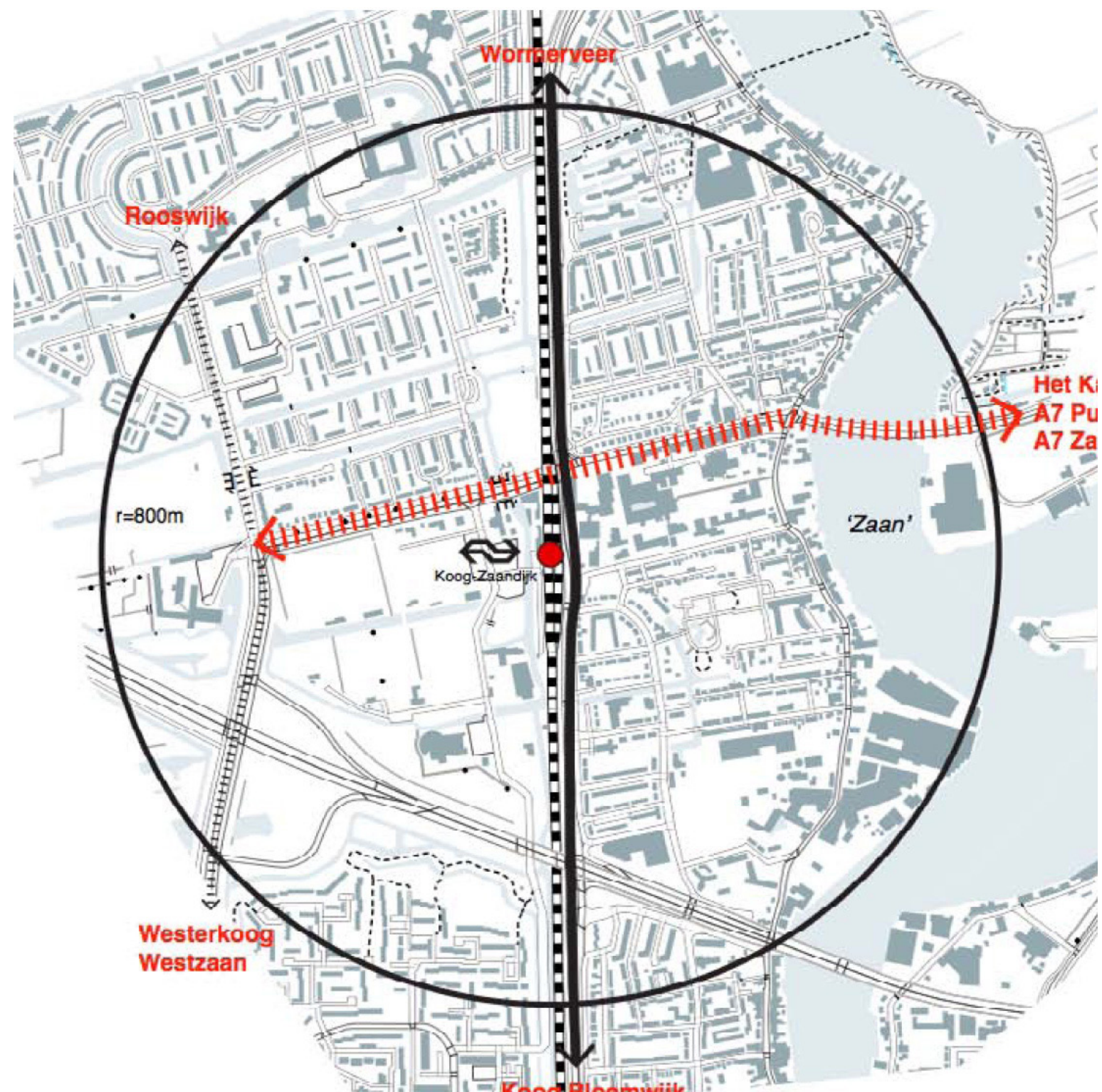
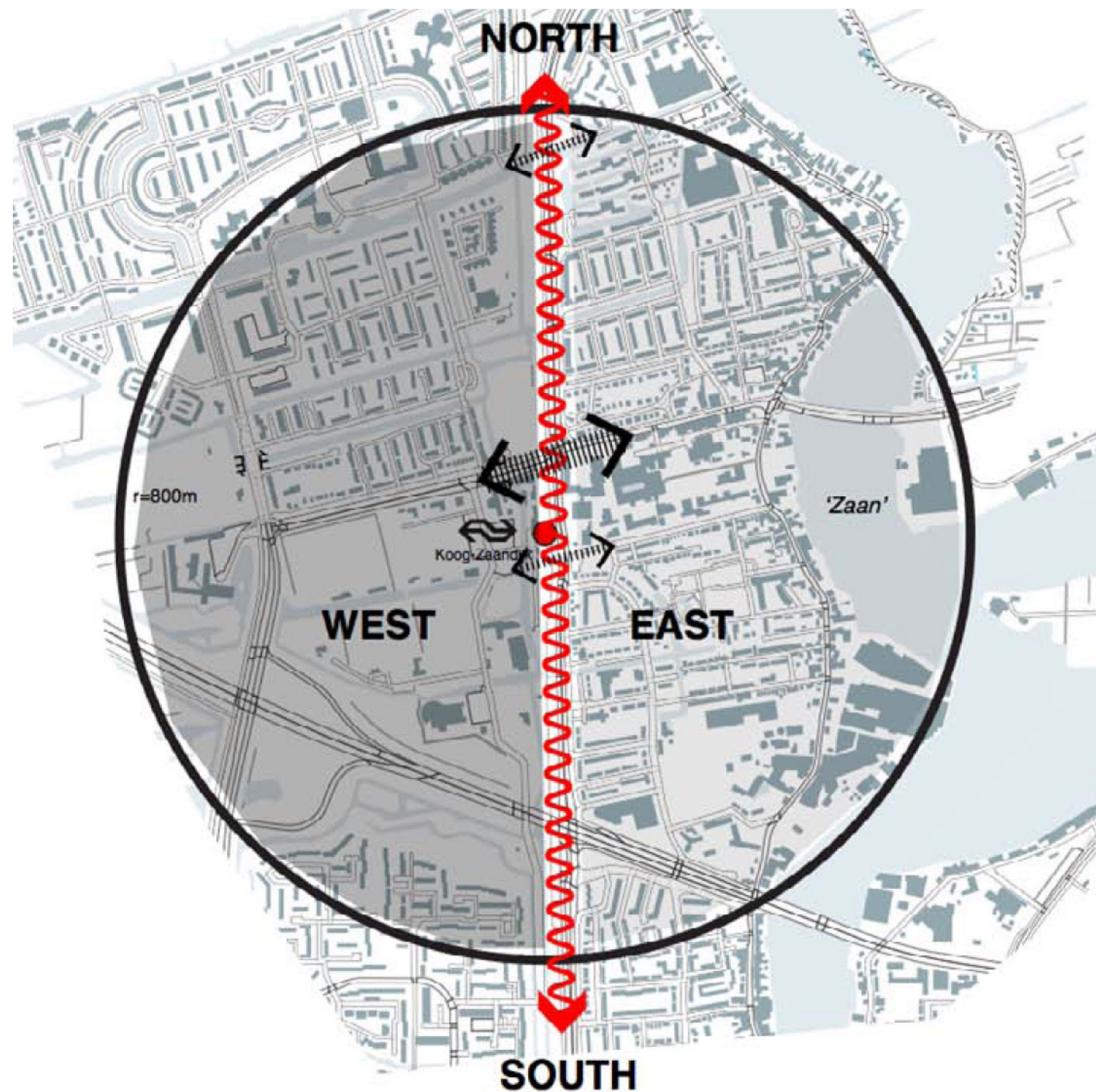
# STEDENBOUWKUNDIG PLAN (Koog aan Zaan / Zaandijk)





## BARRIERE DOOR SPOOR & WEG

## DWARSVERBINDING (Guisweg)





# HUIDIGE MORFOLOGIE





# VERSTOORD STEDELIJK PATROON



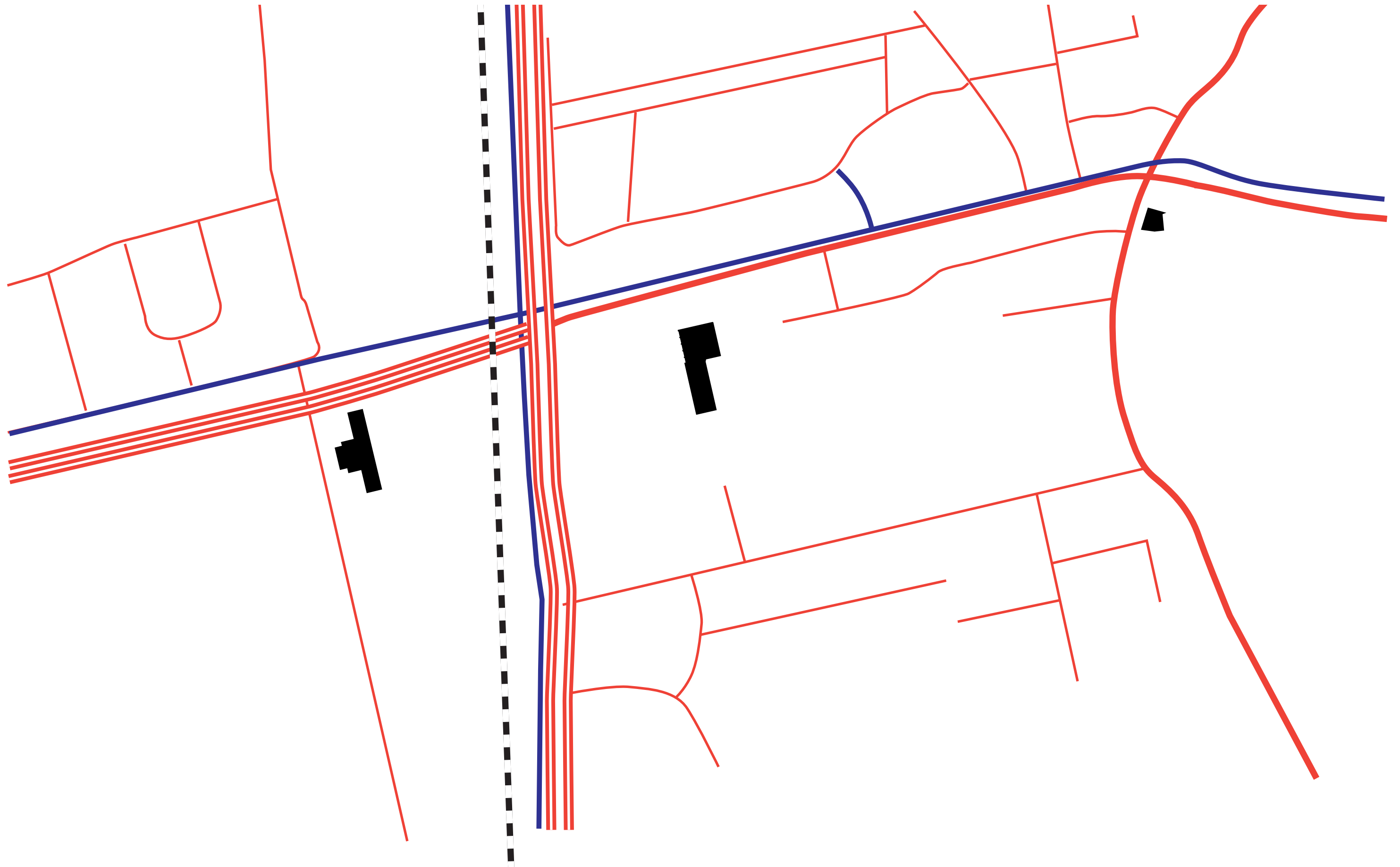


## UITGANGSPUNTEN

- + **Herstellen van het stedenbouwkundig weefsel**
- + **Verlagen van de barriere tussen Oost & West**
- + **Behouden karakter/identiteit door hergebruik industriële bebouwing**
- + **Verhogen woningdichtheid**
- + **Verbeterde leefbaarheid stationsomgeving**

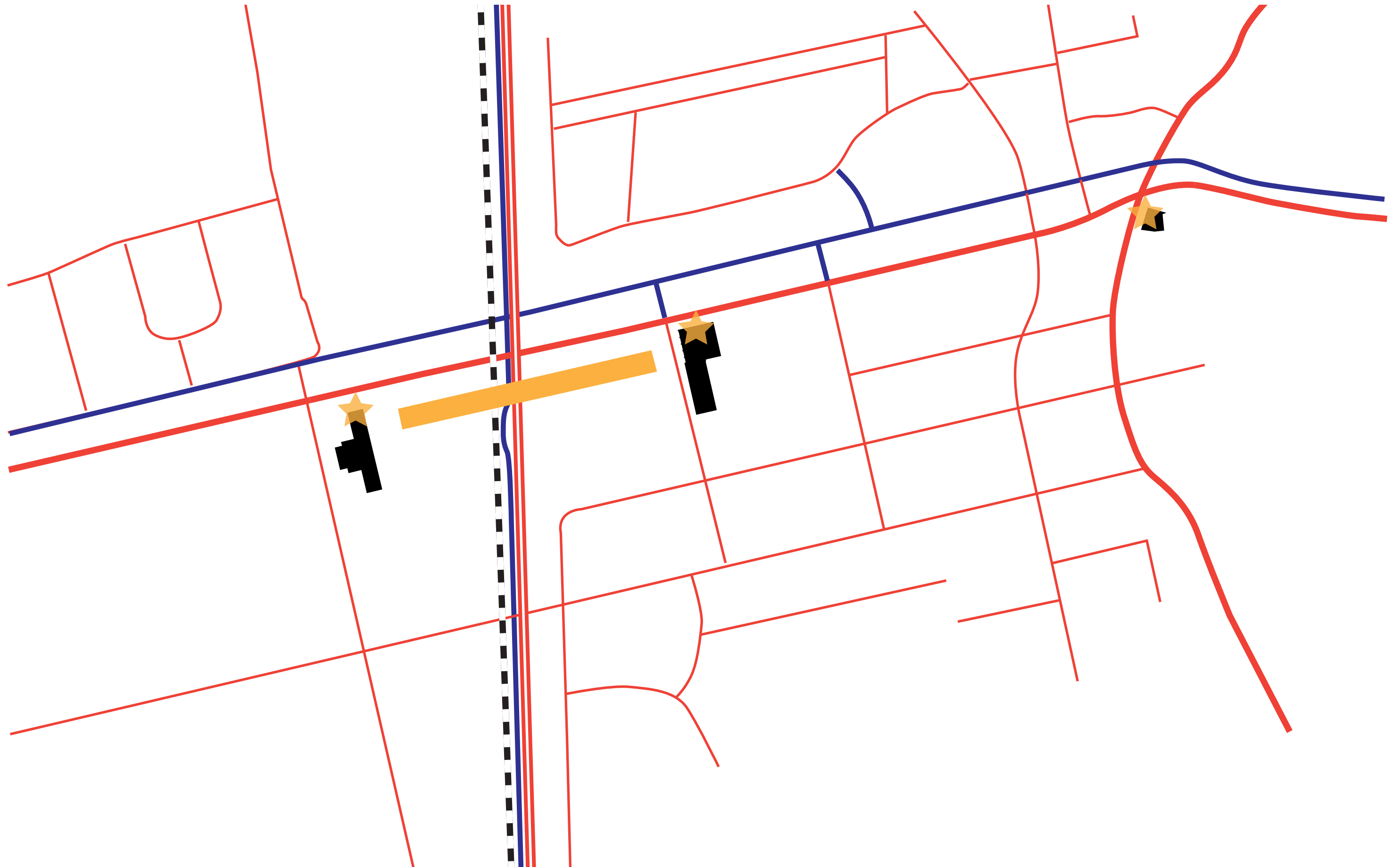


# HUIDIGE INFRASTRUCTUUR



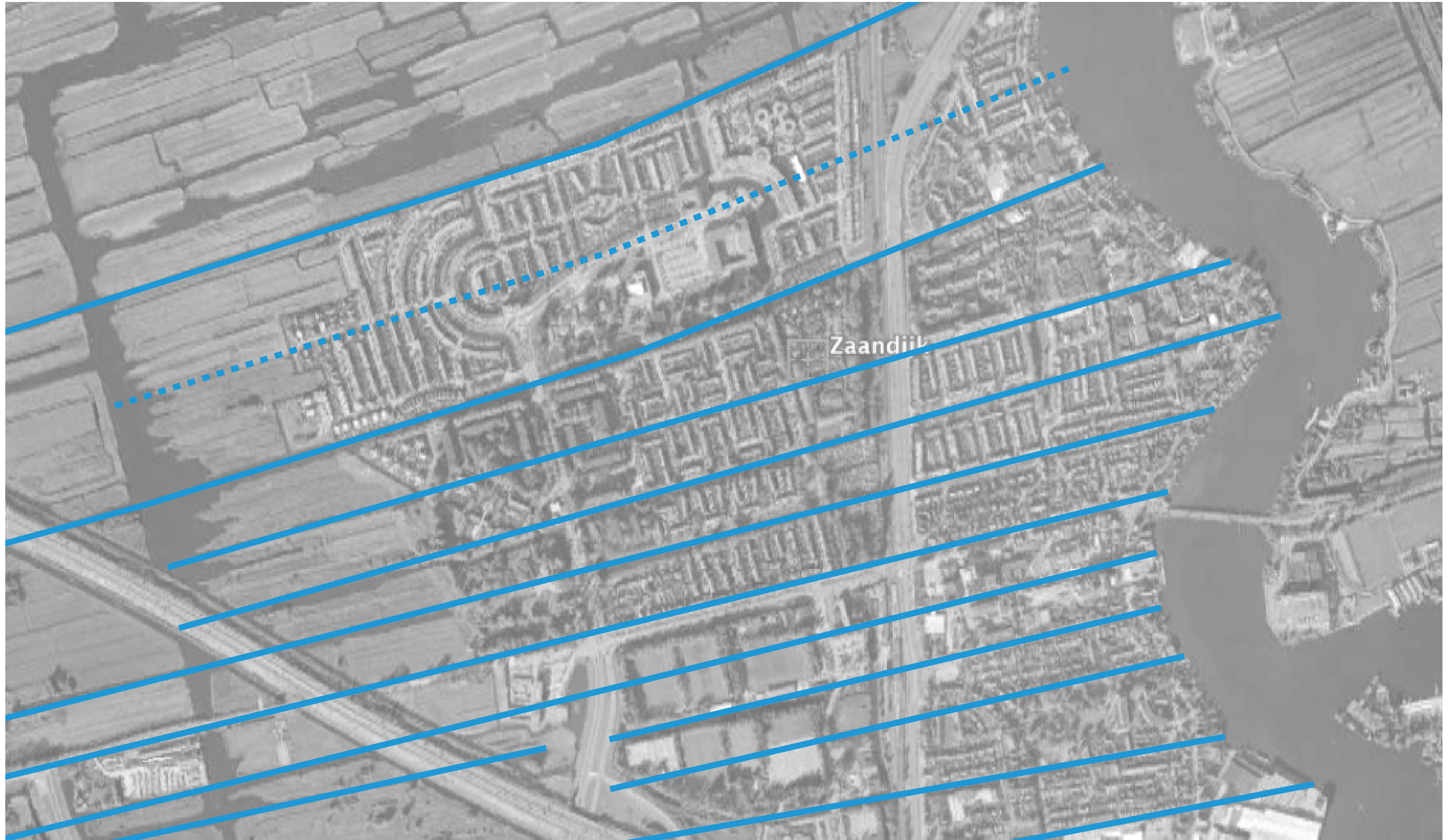


# NIEUWE INFRASTRUCTUUR





# KAMSTRUCTUUR





# NIEUWE MORFOLOGIE





# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK



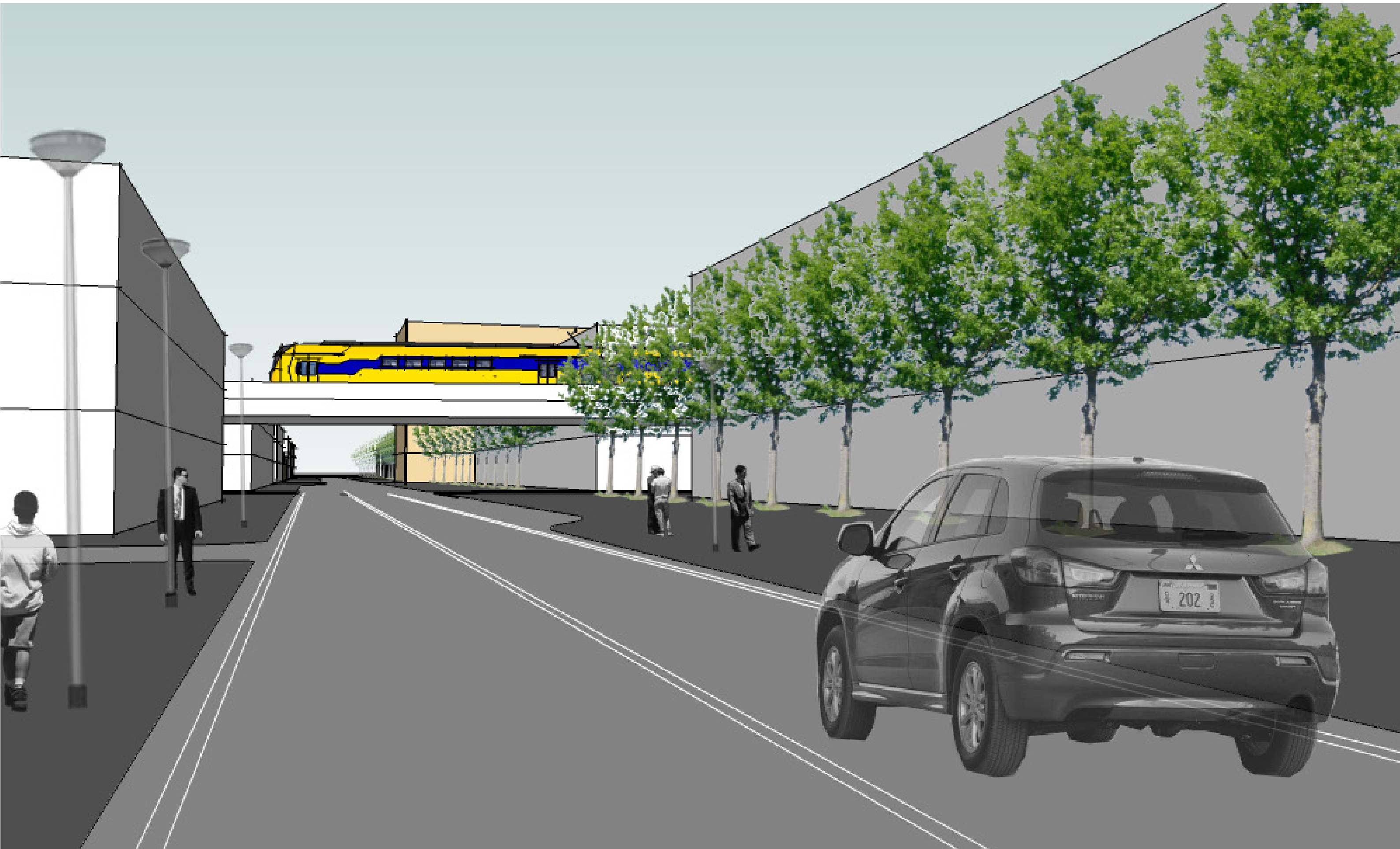


# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK



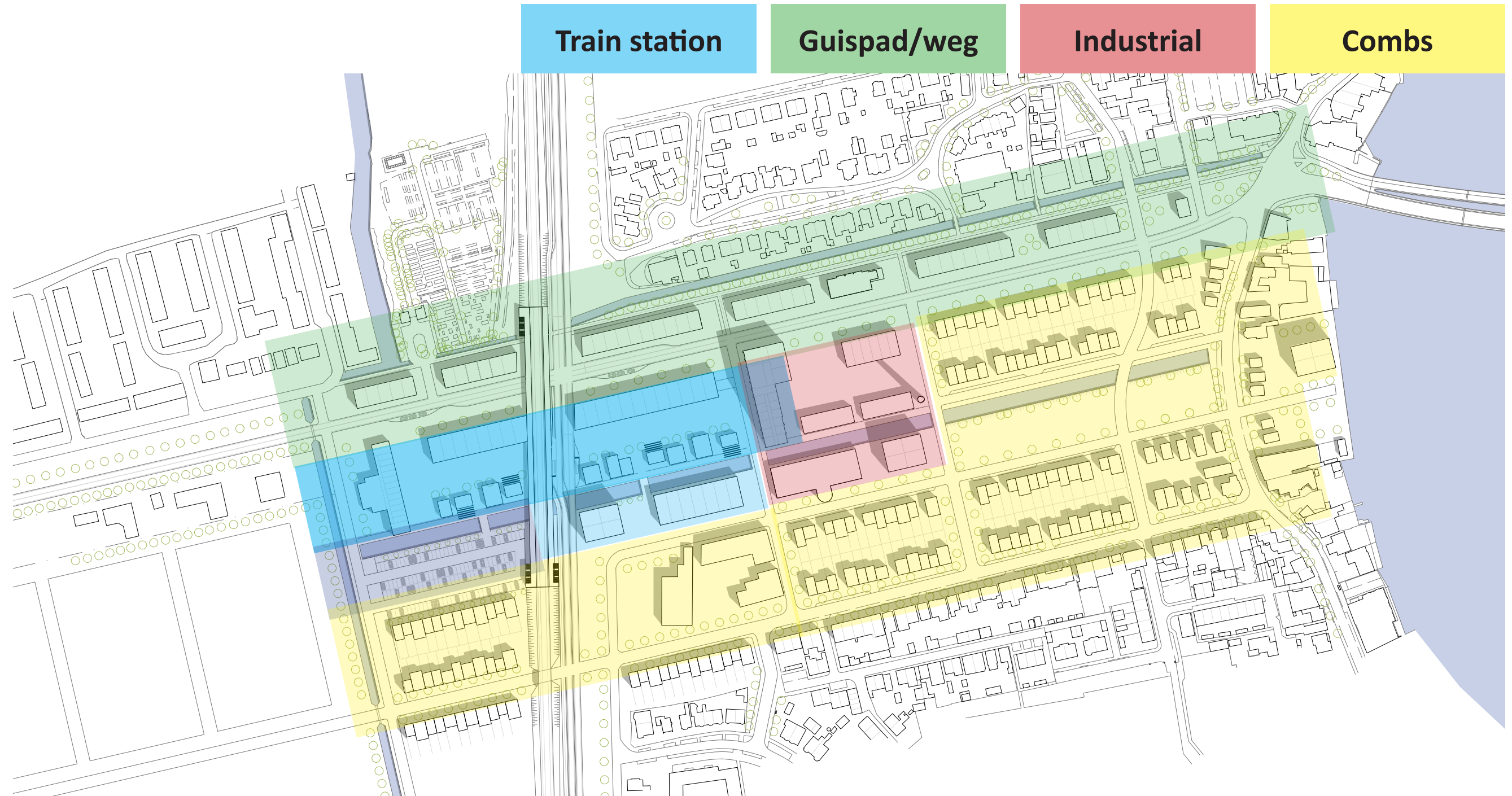


# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK





# DEELGEBIEDEN

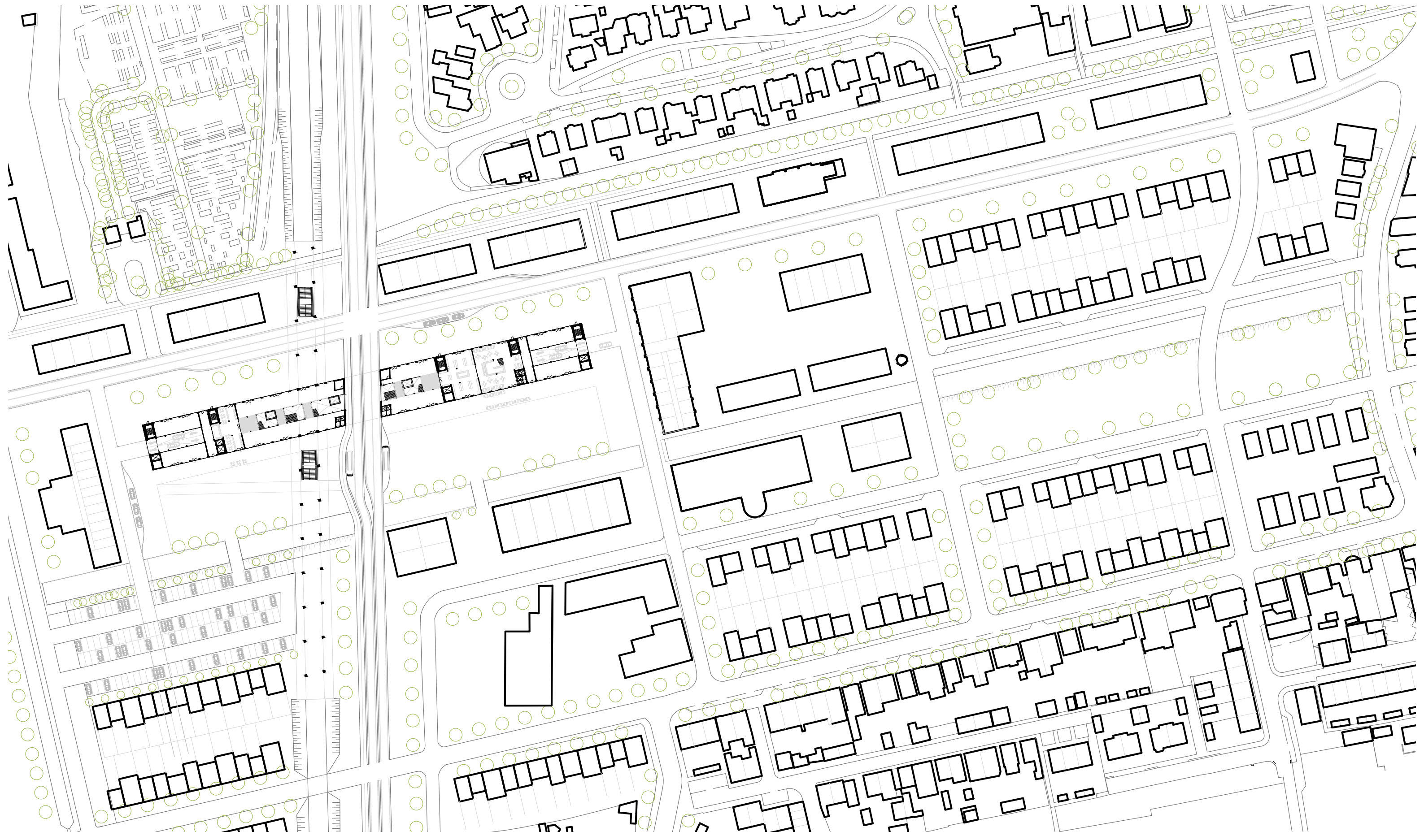








# URBAN PLAN / SITUATION (local)





# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK





## STATION

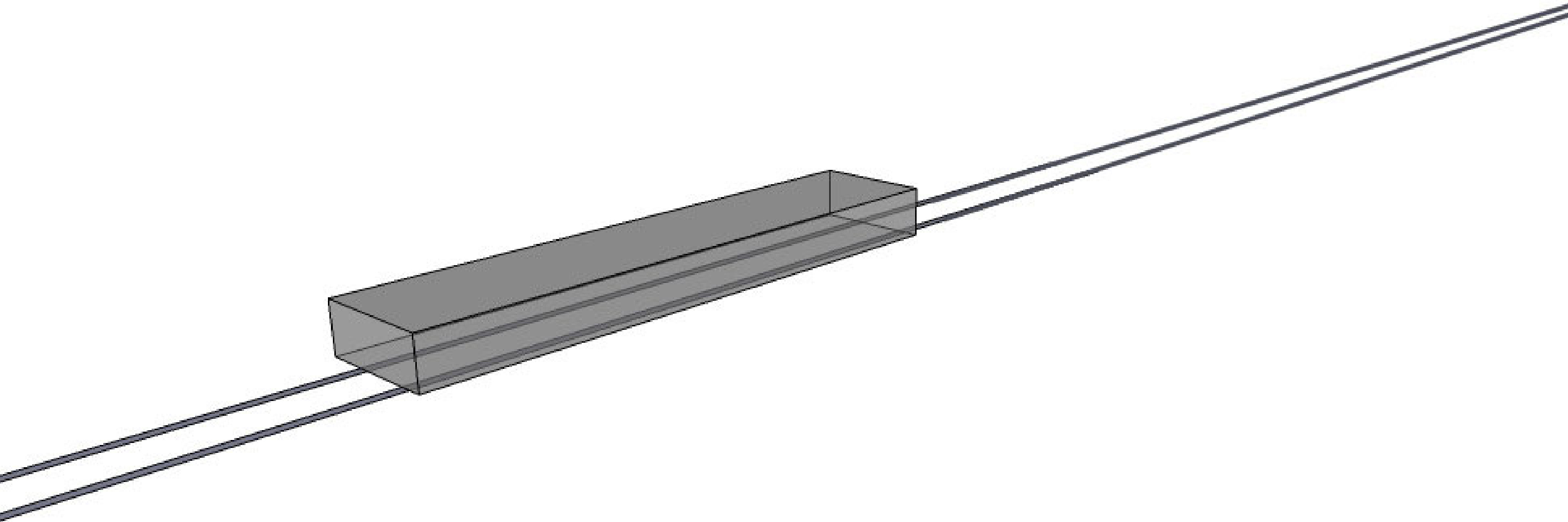
**+ Station als halte**

**+ Station als verbindend element**

**+ Station als onderdeel van een groter gebouw**

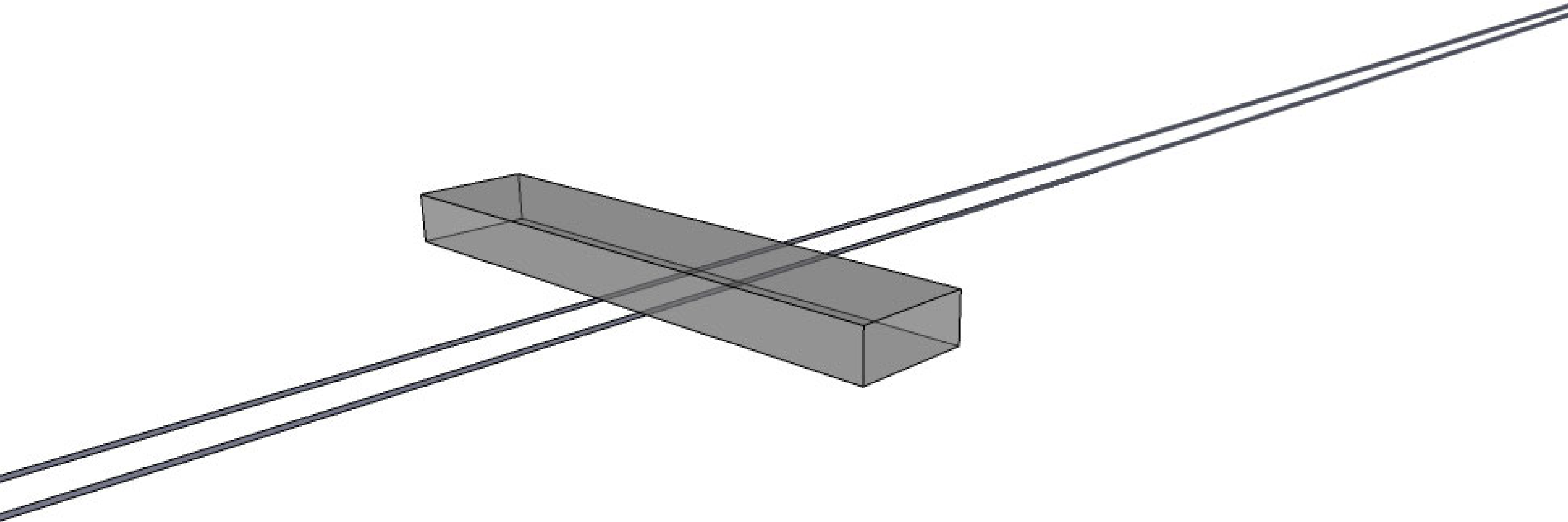


# STATION als een halte

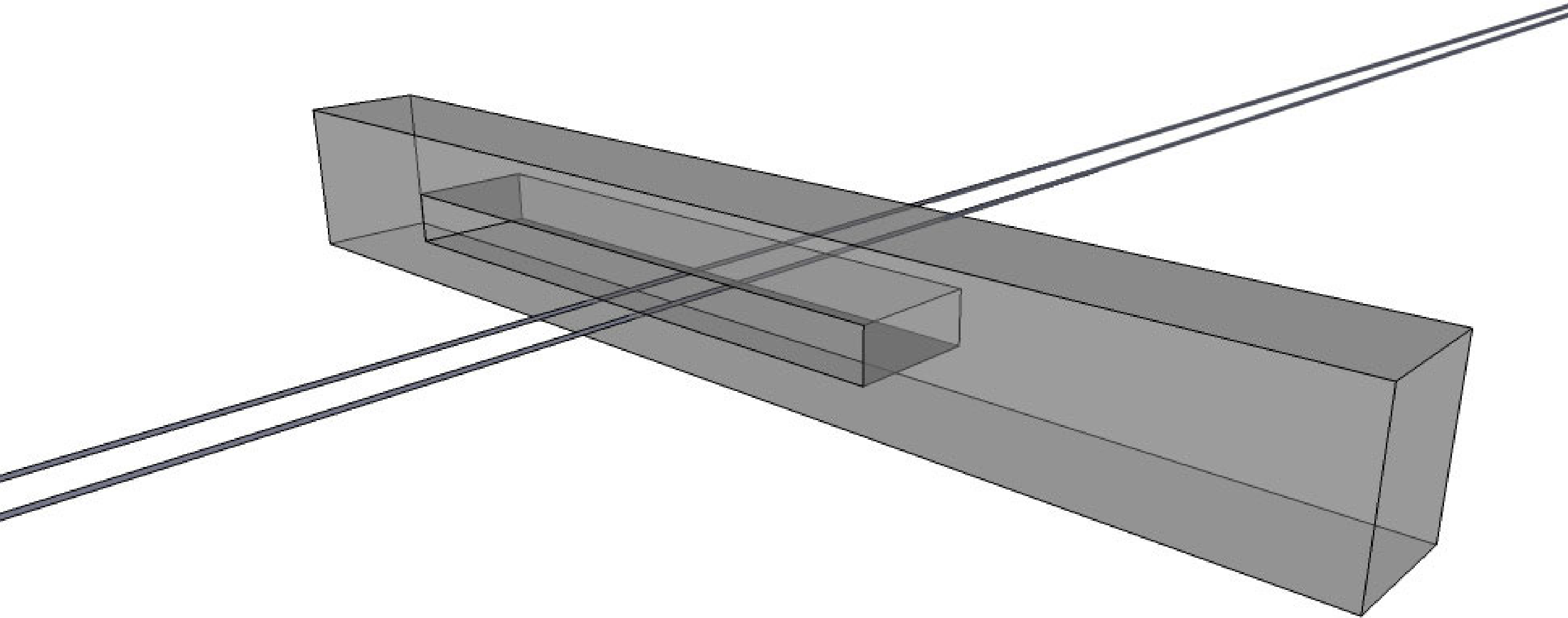




# STATION als verbindend element

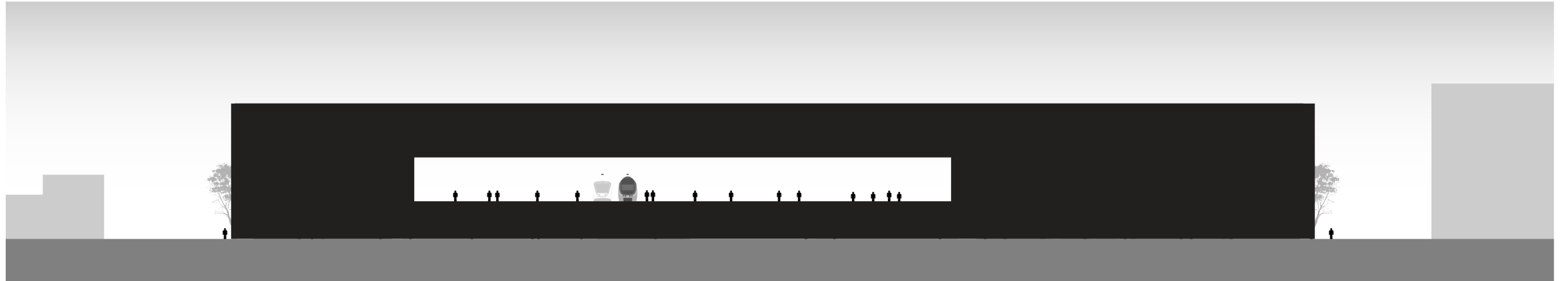


# STATION als onderdeel van een groter gebouw

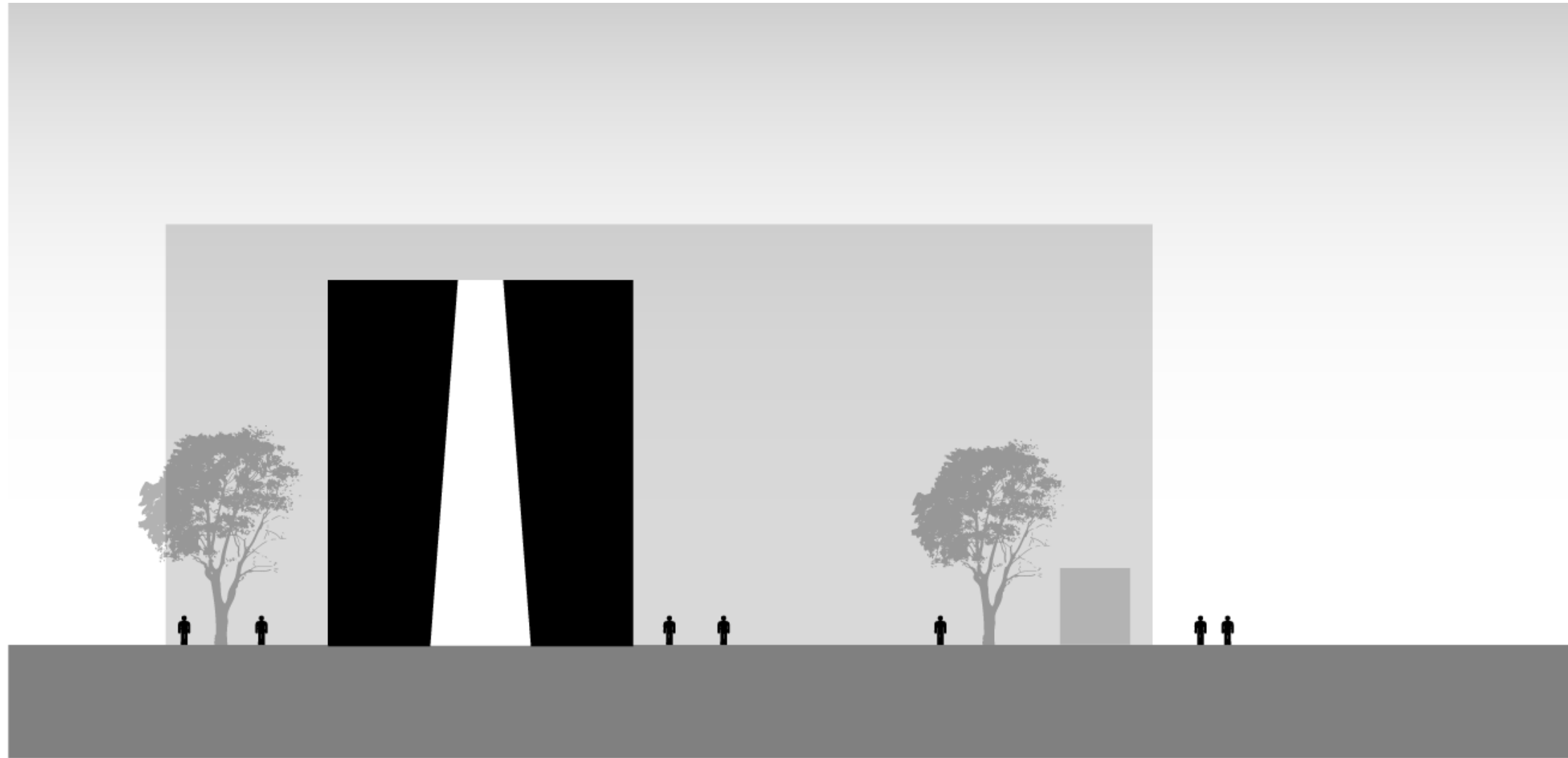




# DIAGRAM langsgevel



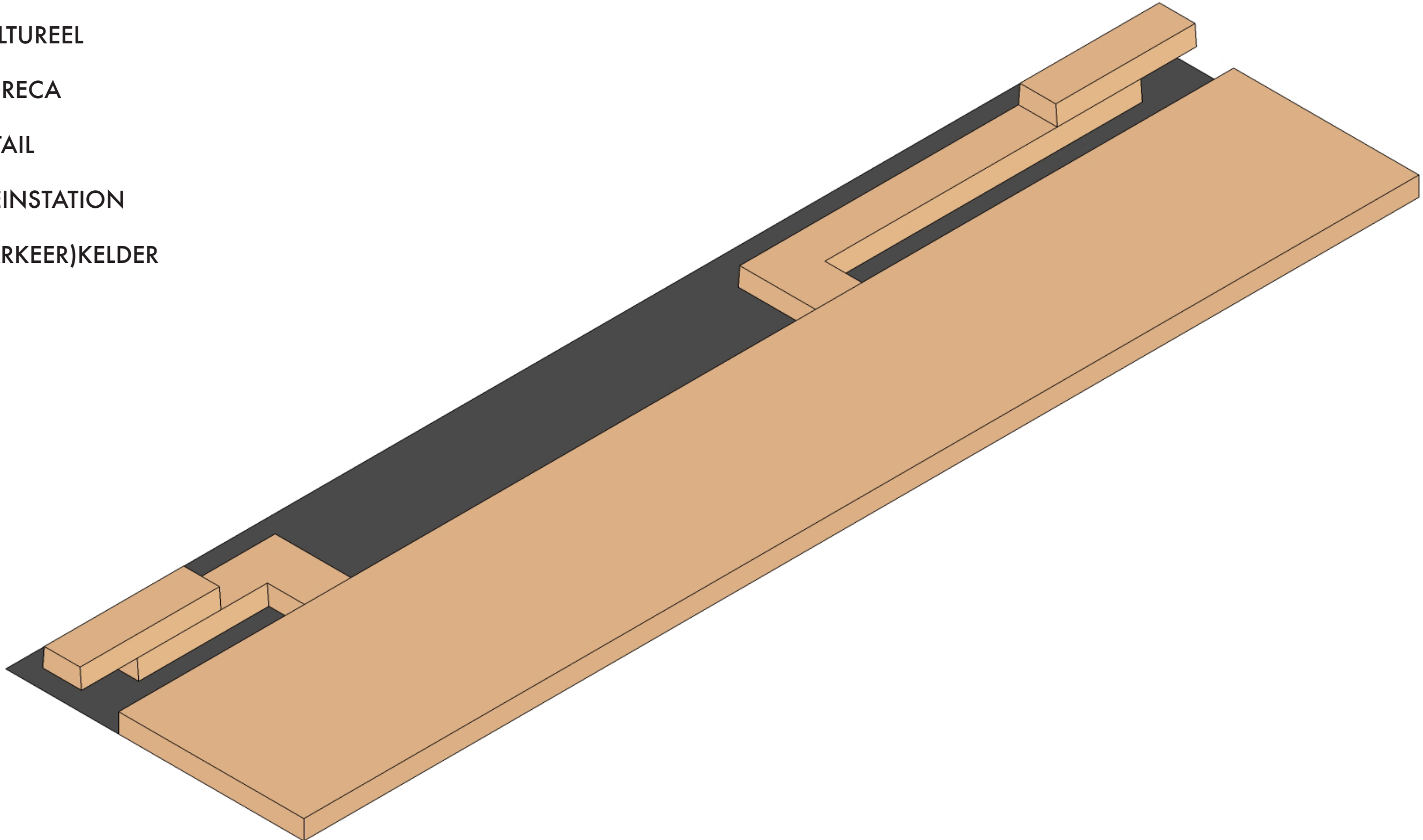
# DIAGRAM kopgevel





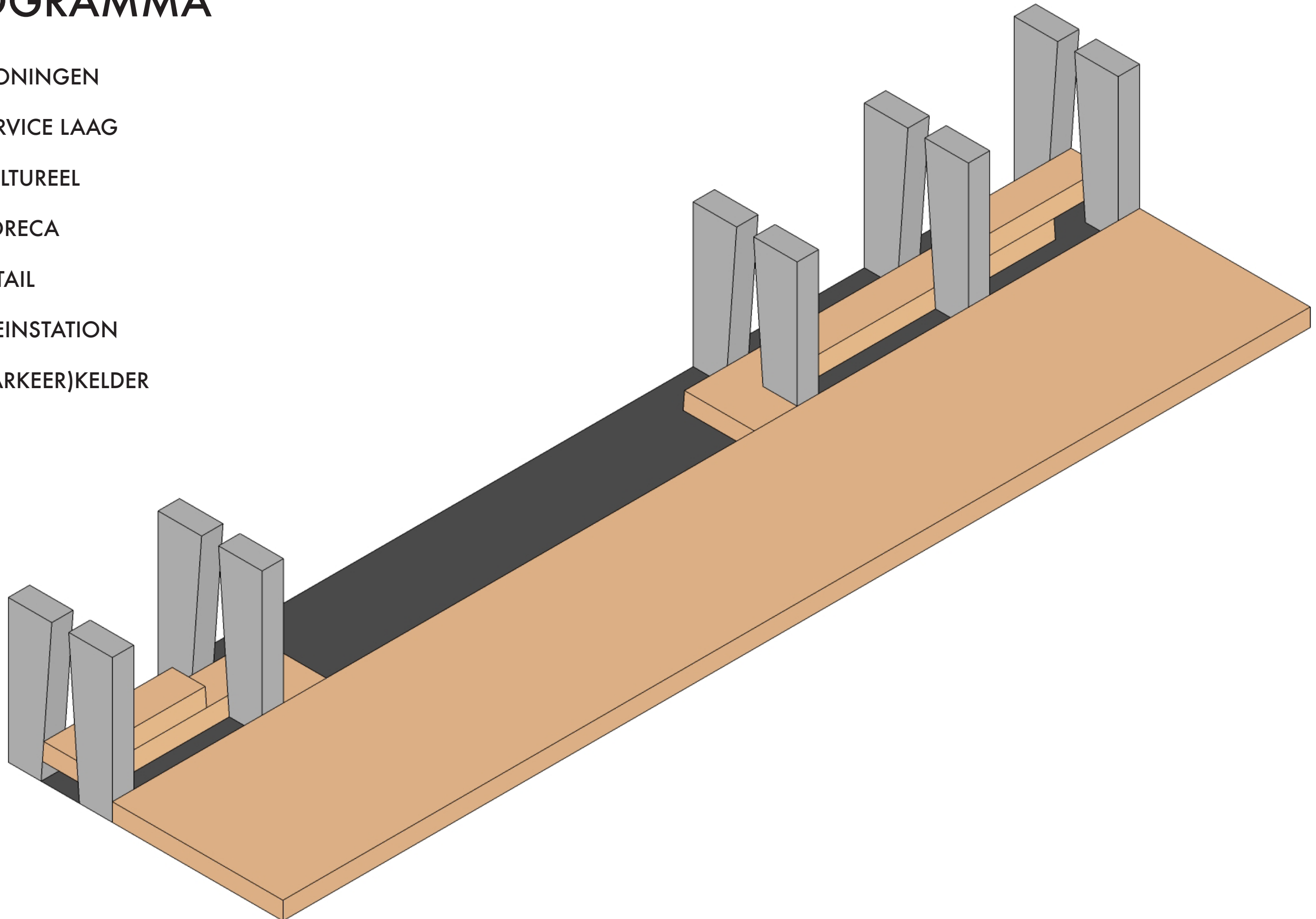
# PROGRAMMA

-  WONINGEN
-  SERVICE LAAG
-  CULTUREEL
-  HORECA
-  RETAIL
-  TREINSTATION
-  (PARKEER)KELDER



# PROGRAMMA

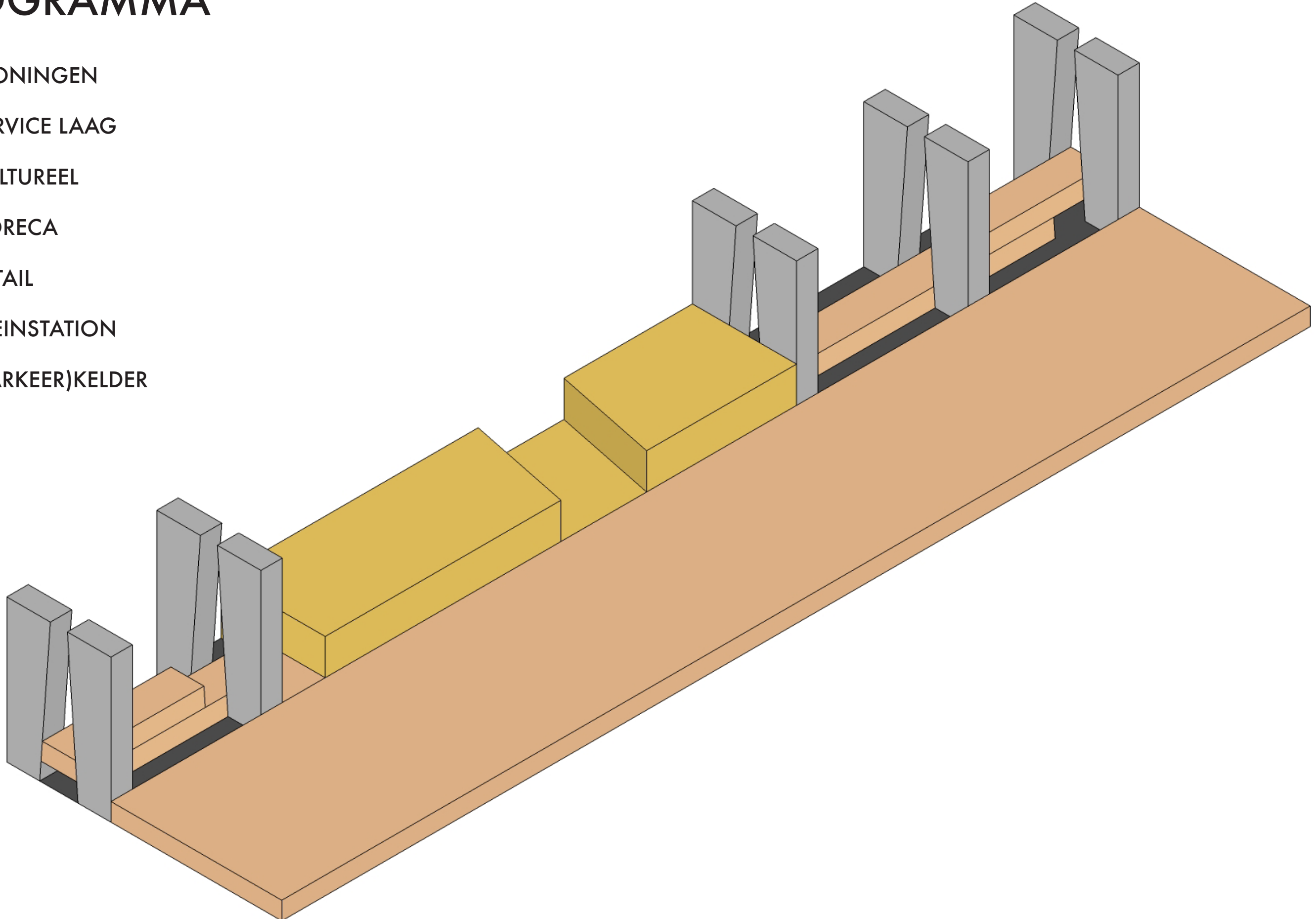
-  WONINGEN
-  SERVICE LAAG
-  CULTUREEL
-  HORECA
-  RETAIL
-  TREINSTATION
-  (PARKEER)KELDER





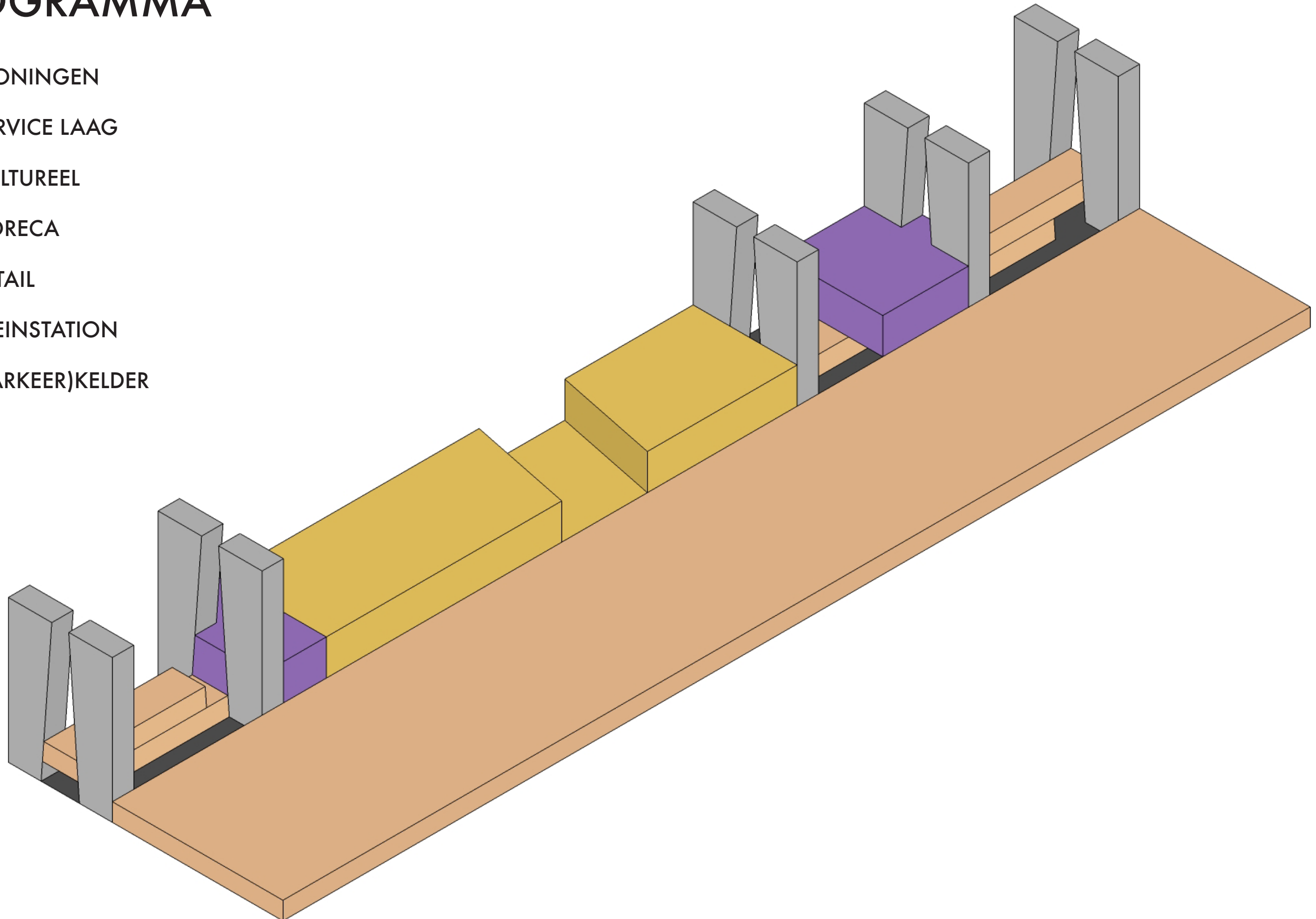
# PROGRAMMA

-  WONINGEN
-  SERVICE LAAG
-  CULTUREEL
-  HORECA
-  RETAIL
-  TREINSTATION
-  (PARKEER)KELDER



# PROGRAMMA

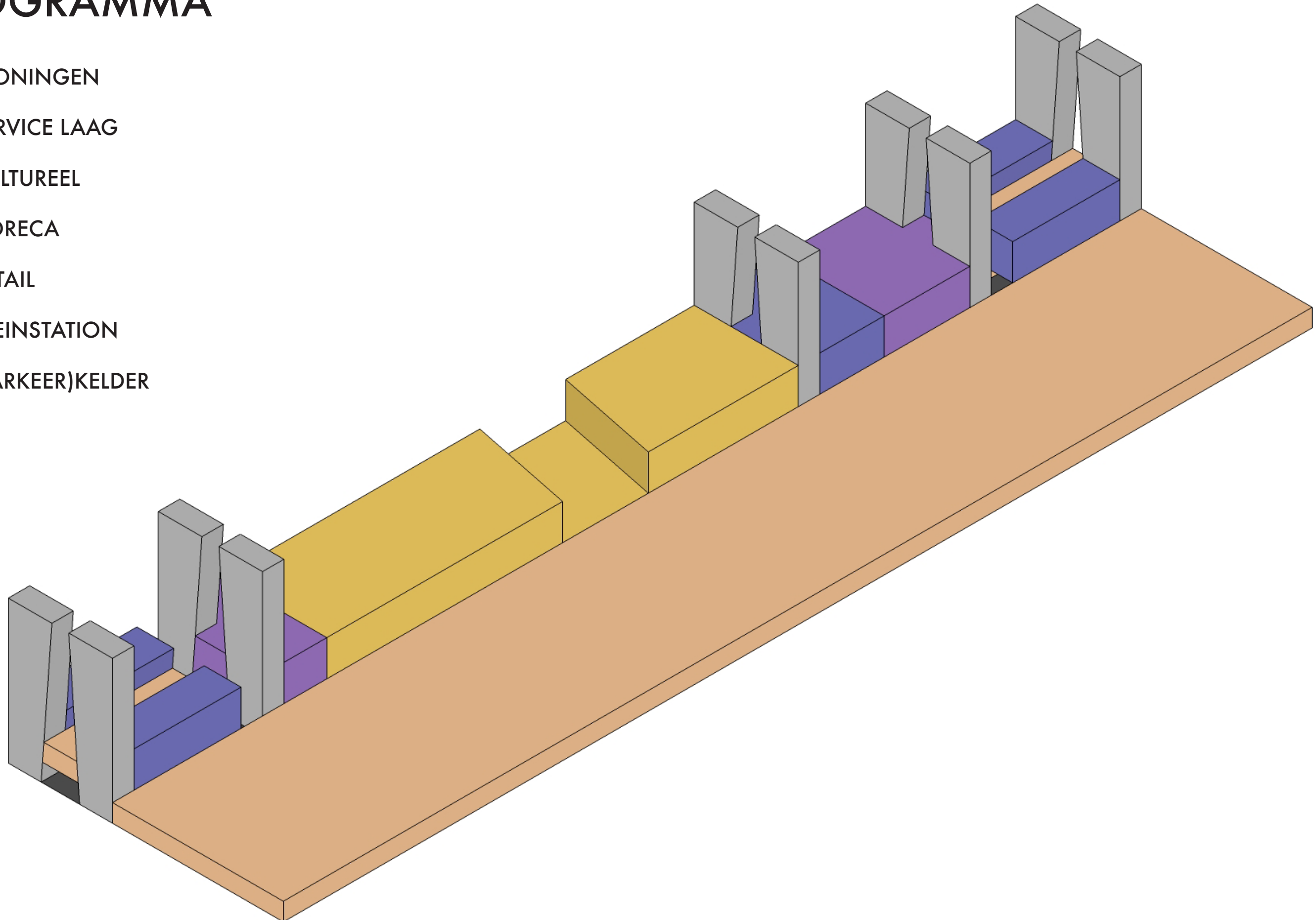
- WONINGEN
- SERVICE LAAG
- CULTUREEL
- HORECA
- RETAIL
- TREINSTATION
- (PARKEER)KELDER





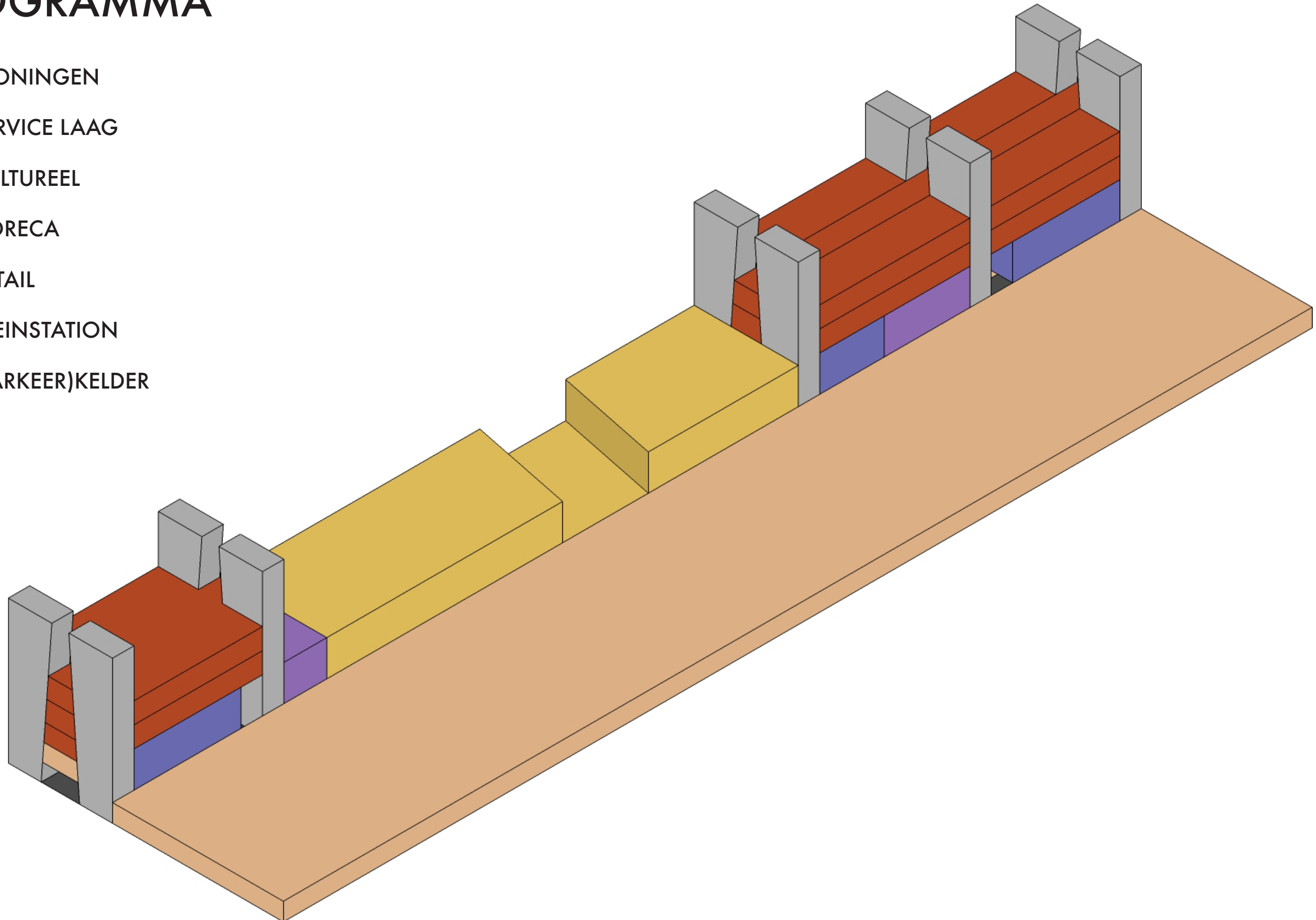
# PROGRAMMA

- WONINGEN
- SERVICE LAAG
- CULTUREEL
- HORECA
- RETAIL
- TREINSTATION
- (PARKEER)KELDER



# PROGRAMMA

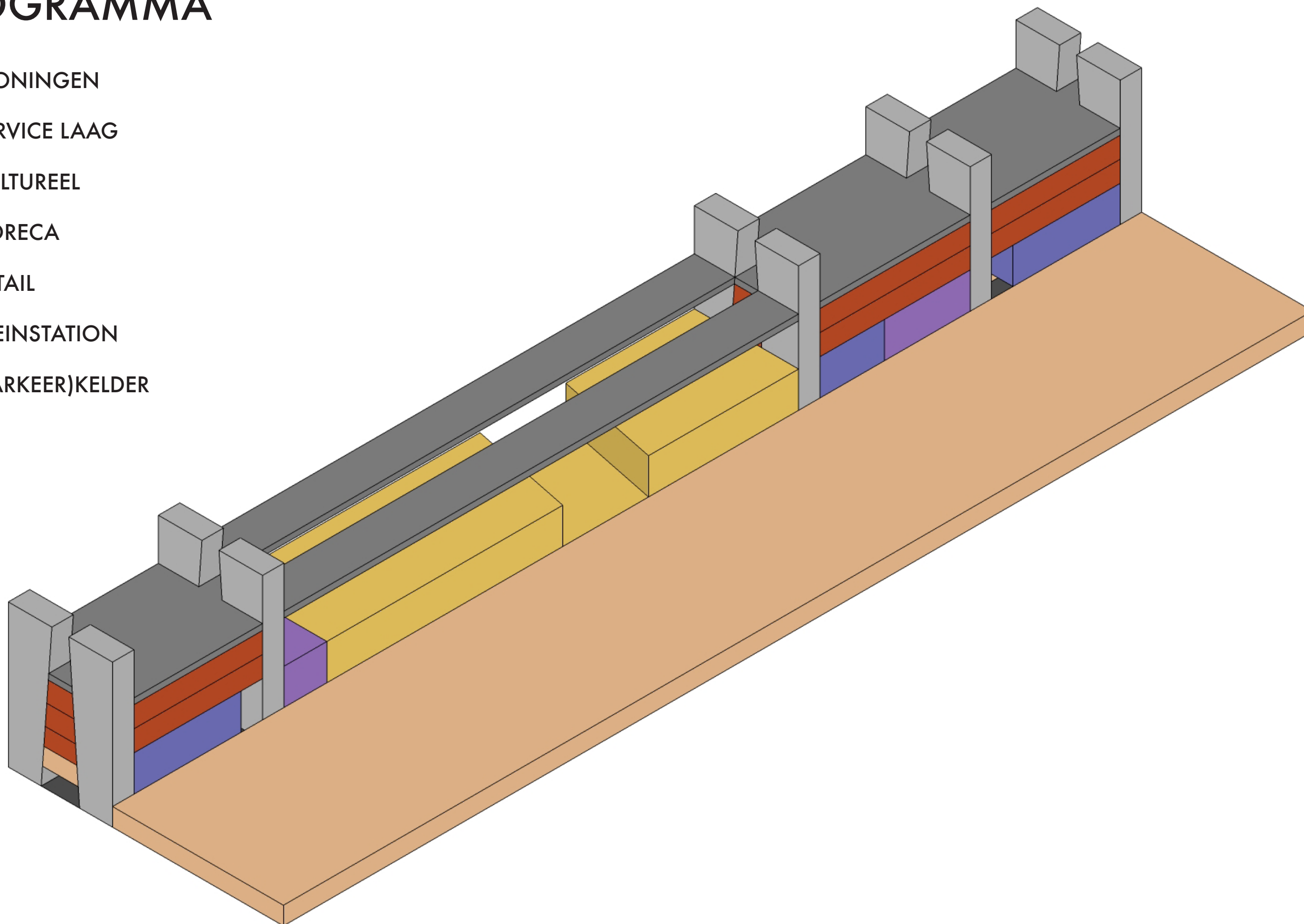
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- SERVICE LAAG
- CULTUREEL
- HORECA
- RETAIL
- TREINSTATION
- (PARKEER)KELDER





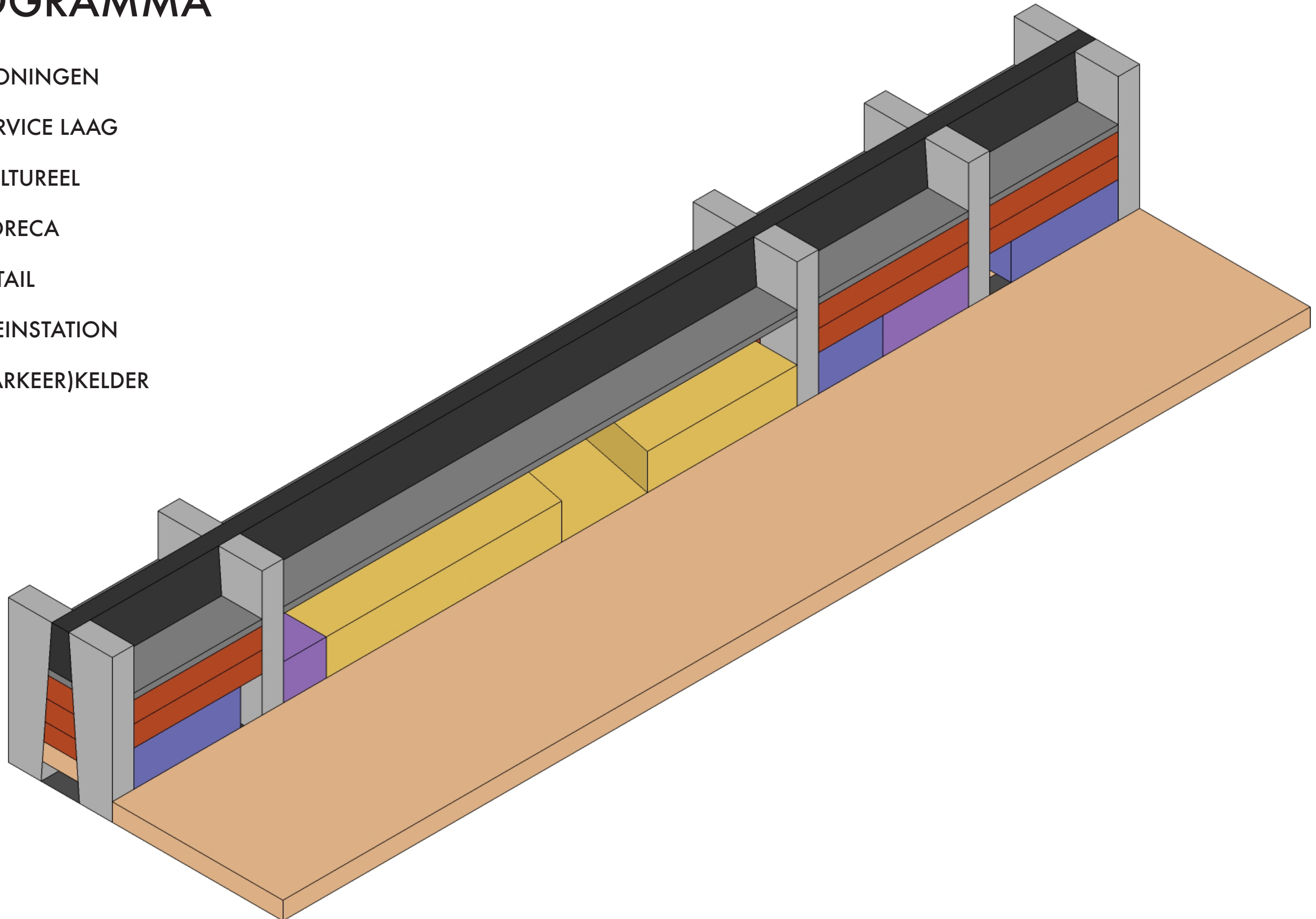
# PROGRAMMA

- WONINGEN
- SERVICE LAAG
- CULTUREEL
- HORECA
- RETAIL
- TREINSTATION
- (PARKEER)KELDER



# PROGRAMMA

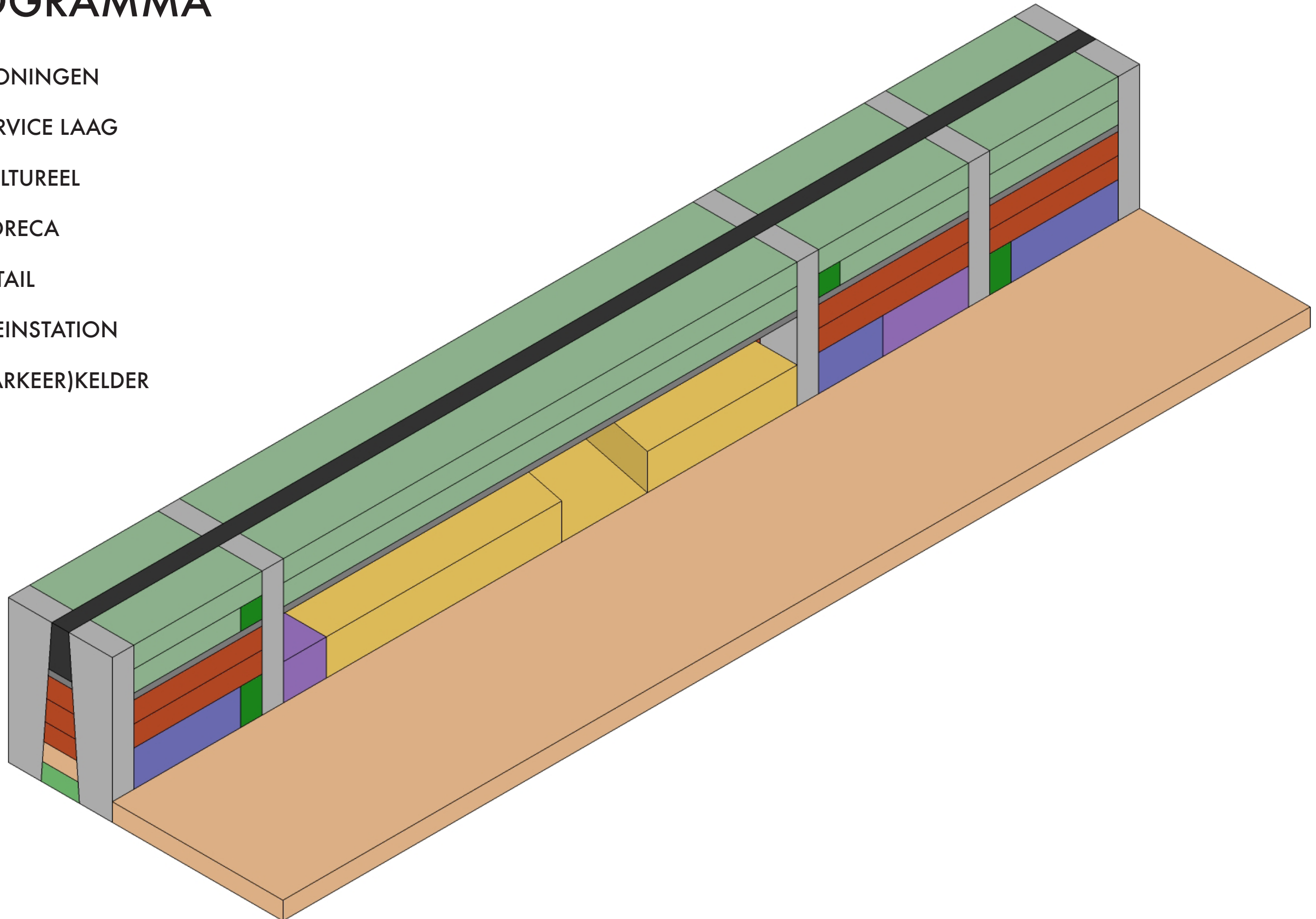
-  WONINGEN
-  SERVICE LAAG
-  CULTUREEL
-  HORECA
-  RETAIL
-  TREINSTATION
-  (PARKEER)KELDER





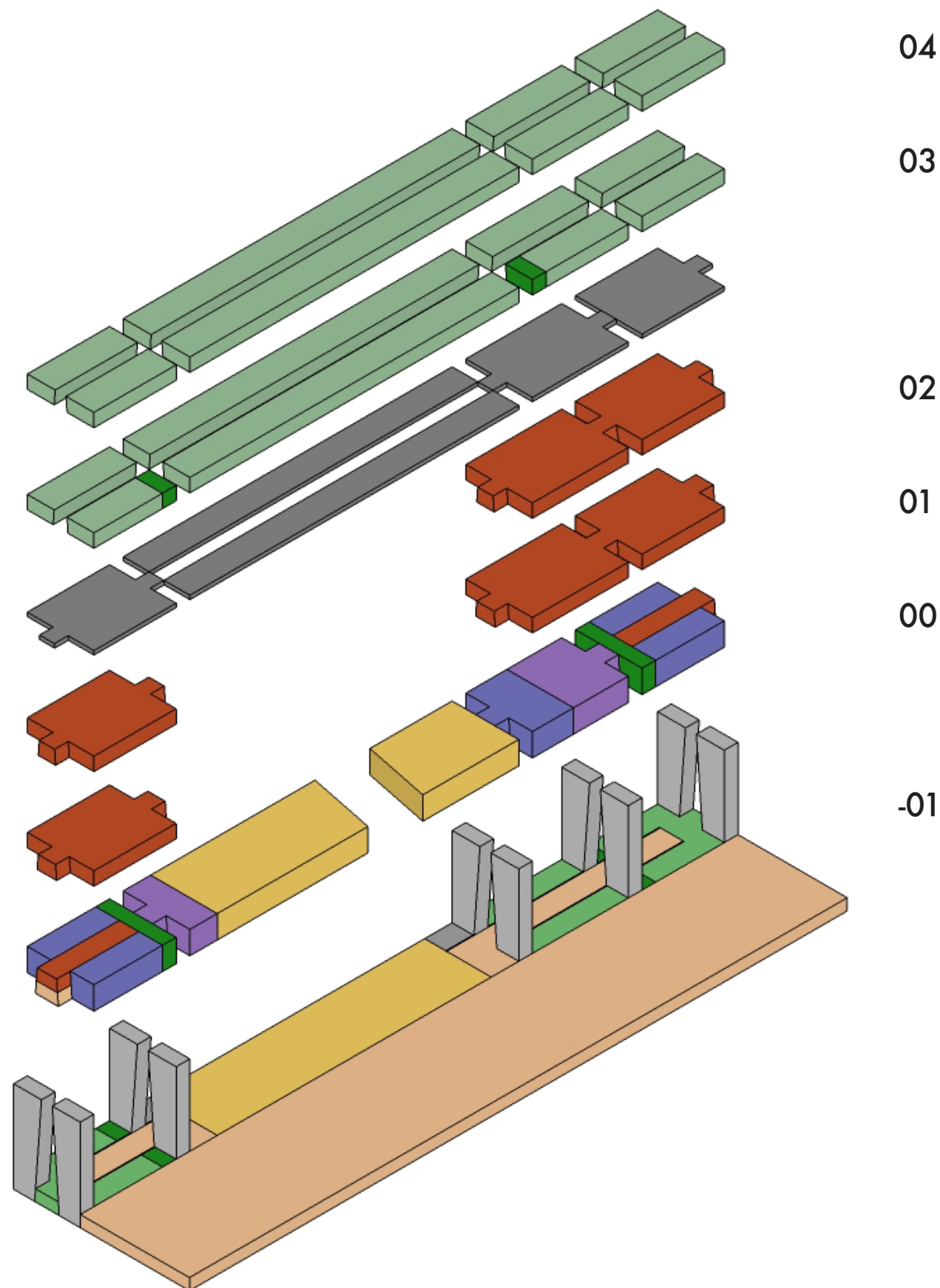
# PROGRAMMA

-  WONINGEN
-  SERVICE LAAG
-  CULTUREEL
-  HORECA
-  RETAIL
-  TREINSTATION
-  (PARKEER)KELDER



# PROGRAMMA

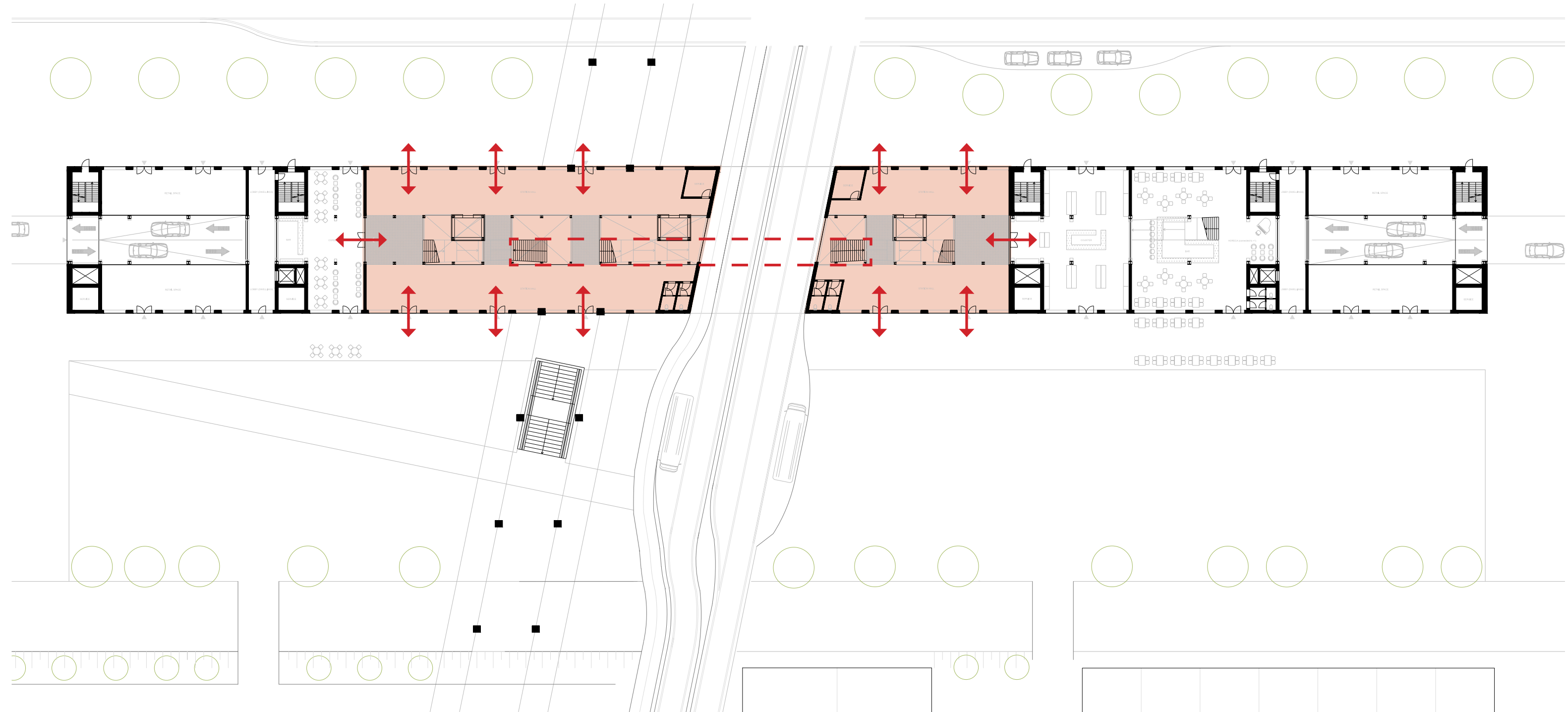
- WONINGEN
- SERVICE LAAG
- CULTUREEL
- HORECA
- RETAIL
- TREINSTATION
- (PARKEER)KELDER



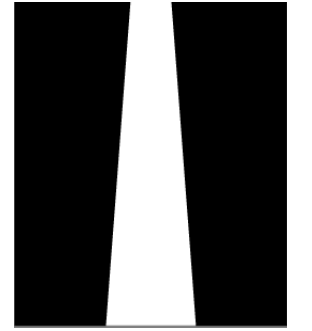


# STATIONSHAL

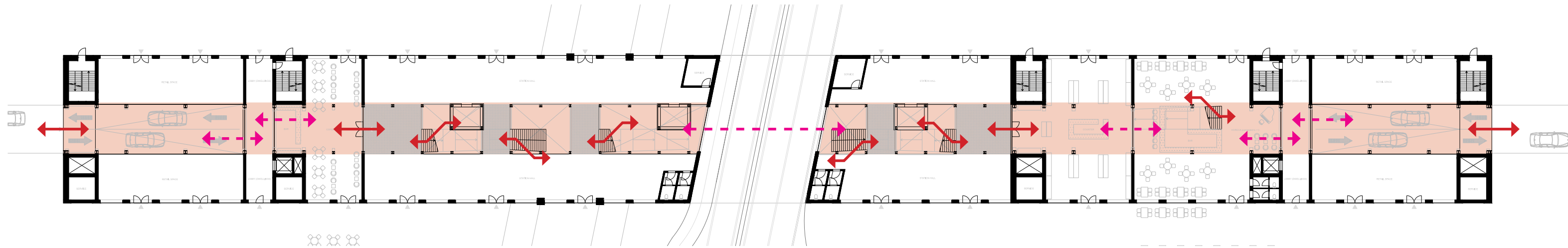
BEGANE GROND



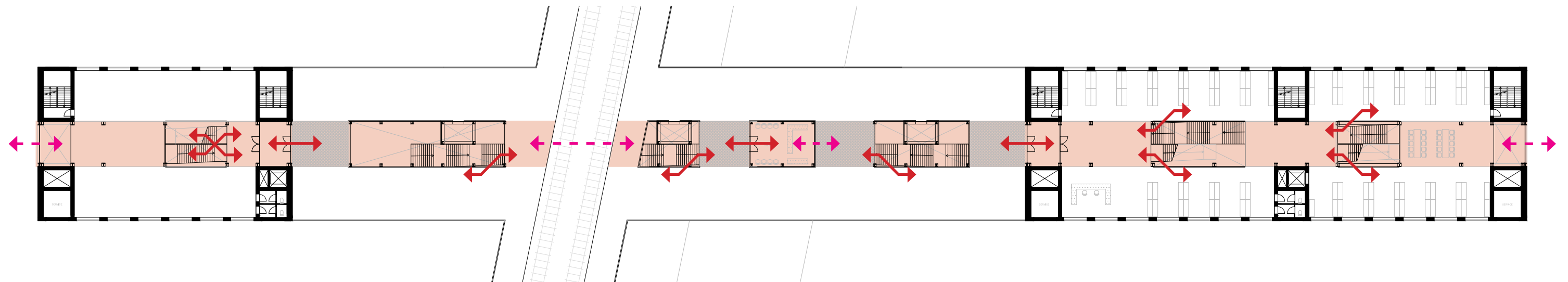
# CENTRALE ZONE



## BEGANE GROND

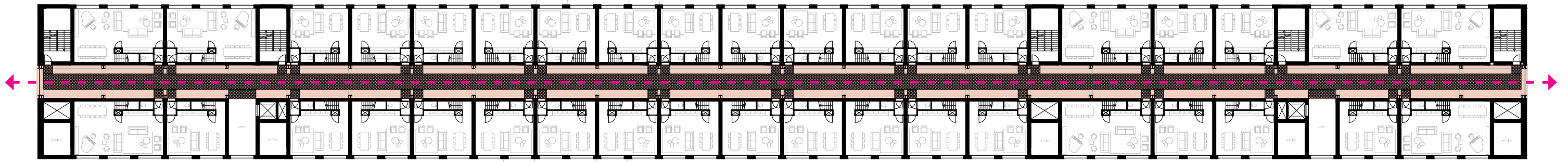


## 1e ETAGE



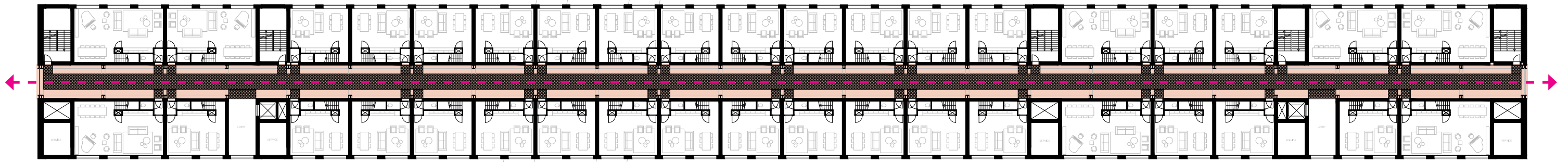


3e ETAGE (WONINGEN)



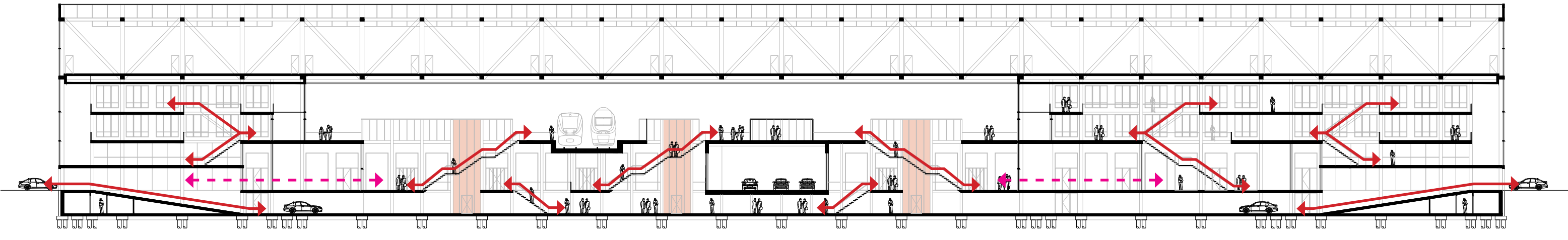
# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK

3RD FLOOR

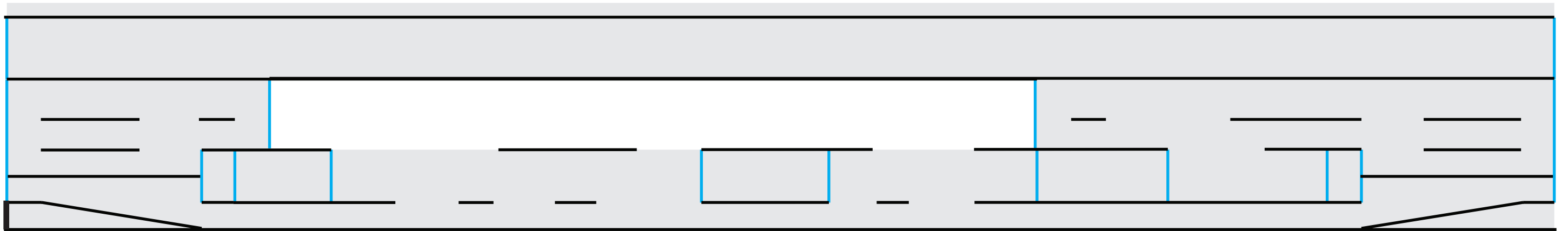




# CENTRALE ZONE

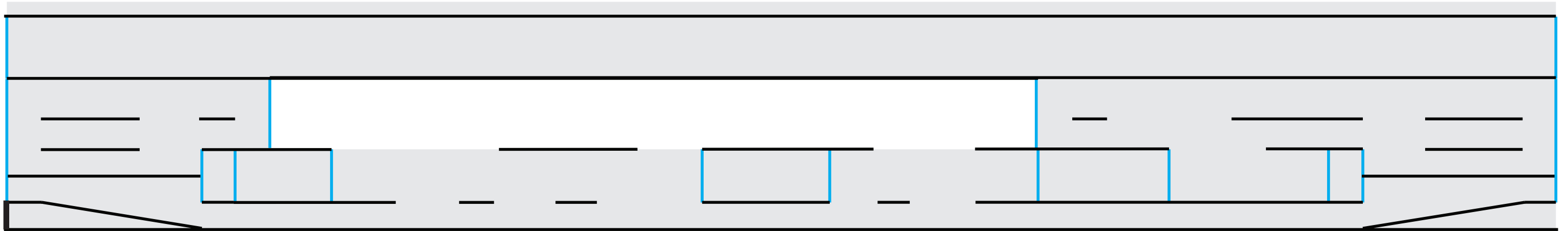


## DOORSNEDE DOOR DE CENTRALE ZONE

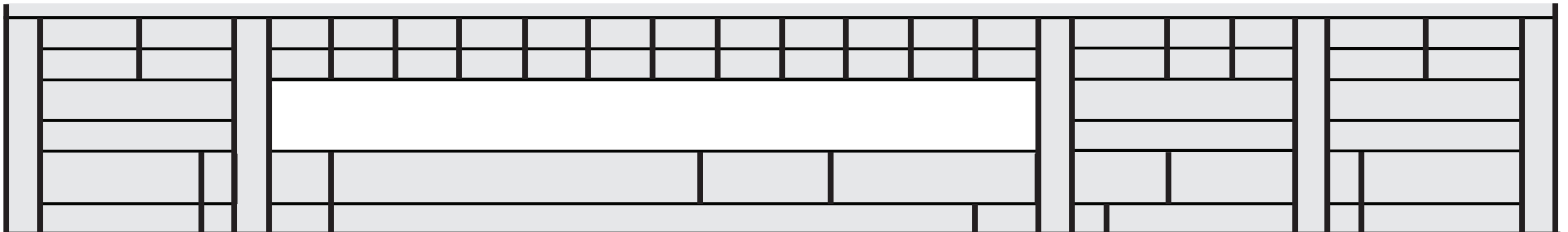


# CENTRALE ZONE

DOORSNEDE DOOR DE CENTRALE ZONE



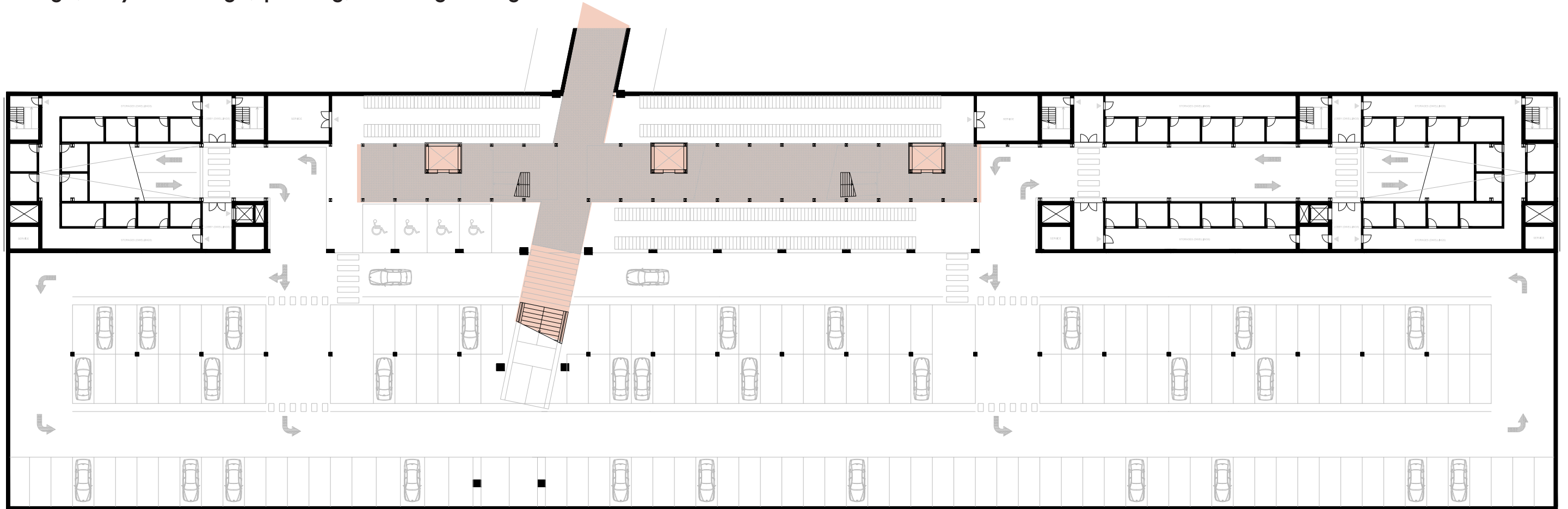
DOORSNEDE NAAST DE CENTRALE ZONE



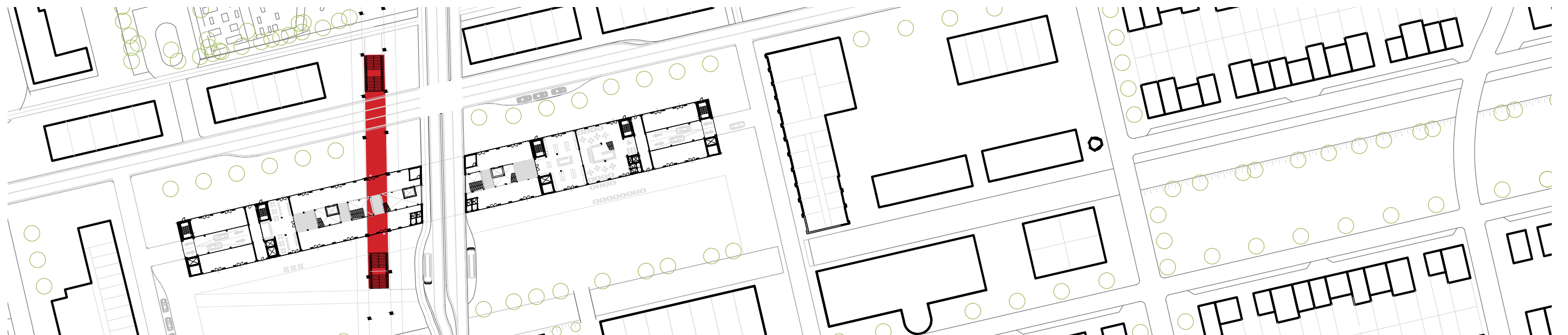


# BASEMENT

- Passage, bicycle storage, parking, dwelling storages

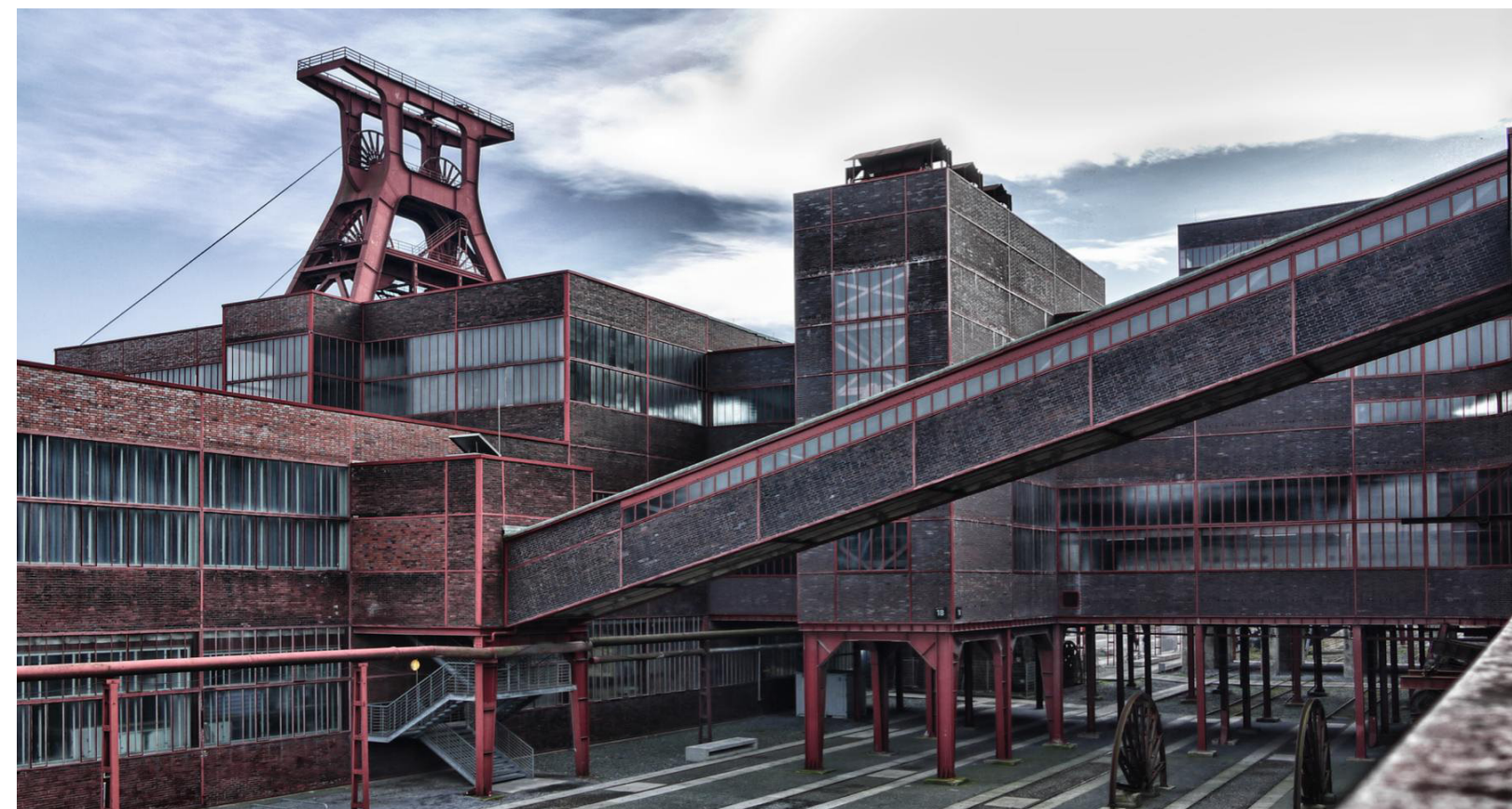
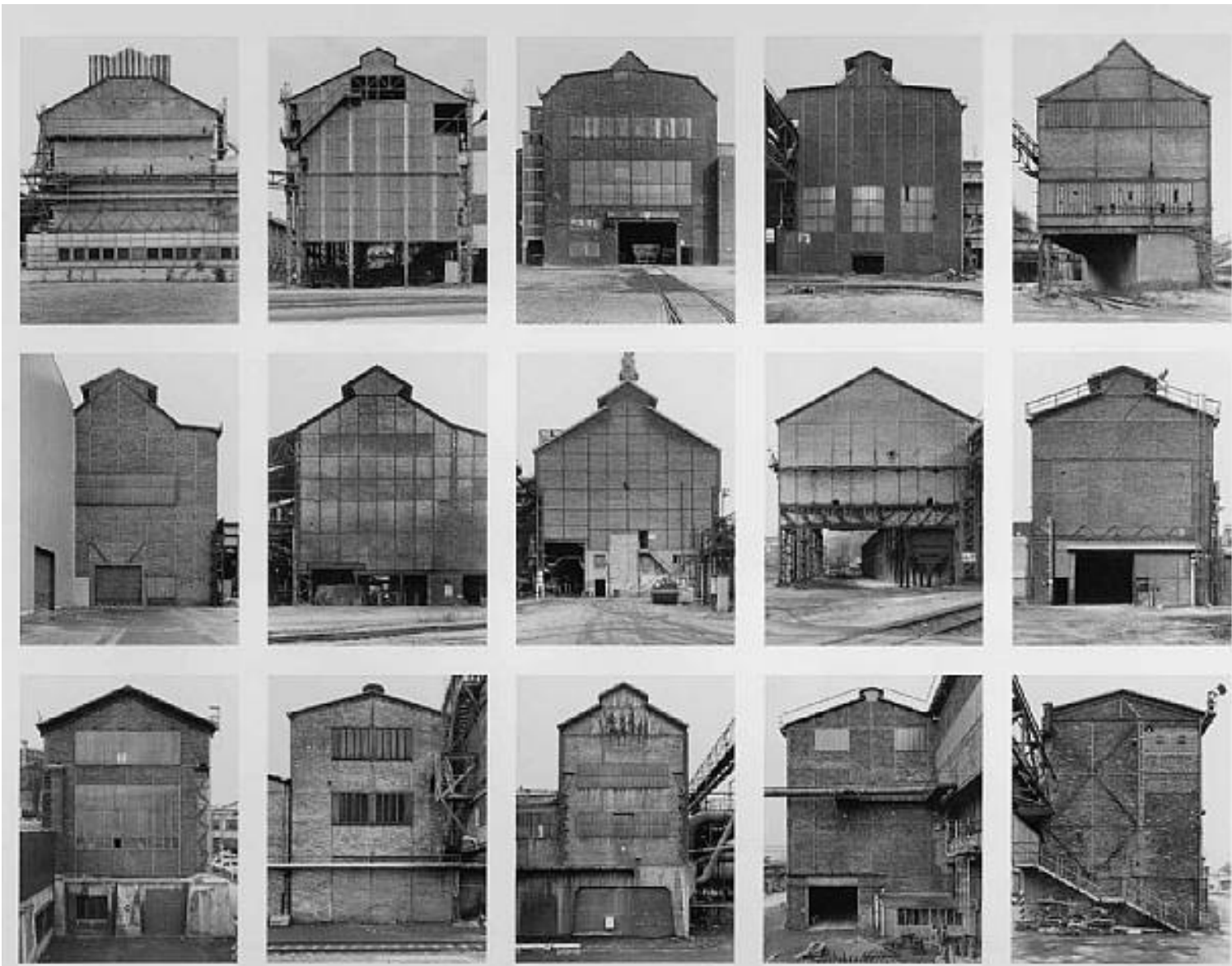


## BICYCLE ENTRANCES (north & south)





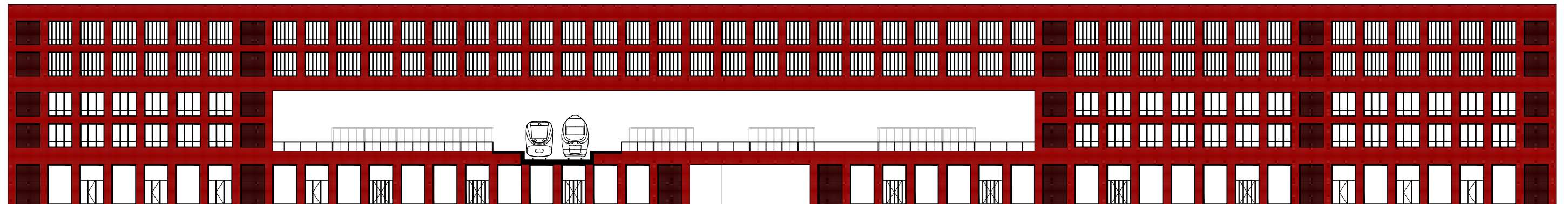
# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK



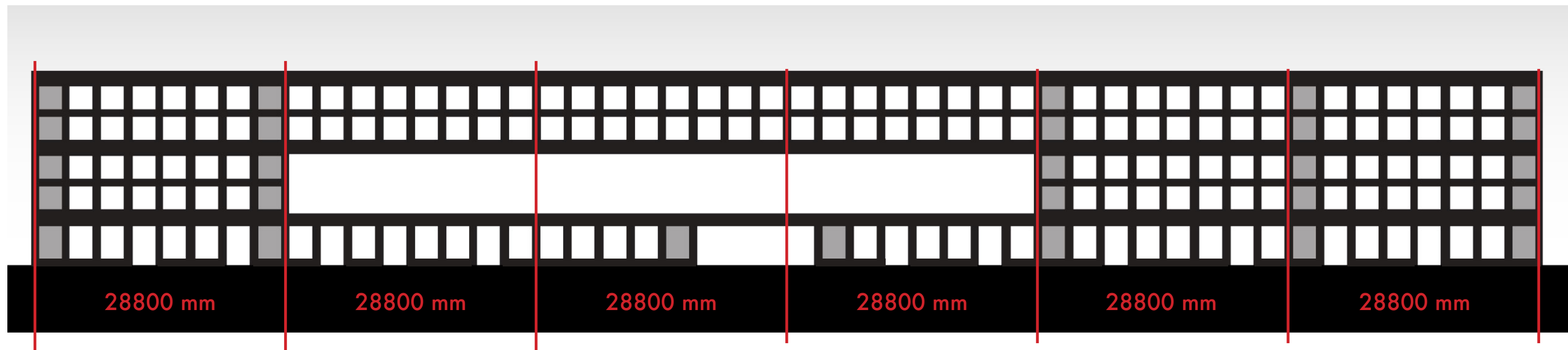


# LANGSGEVEL

22400 mm  
21000 mm  
1750 mm  
14000 mm  
9500 mm  
6000 mm  
0 mm  
-3000 mm (kelder)



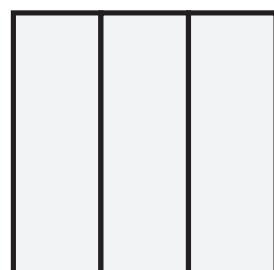
# ORDE & MAATSYSTEMEN



## RAAMVERDELING



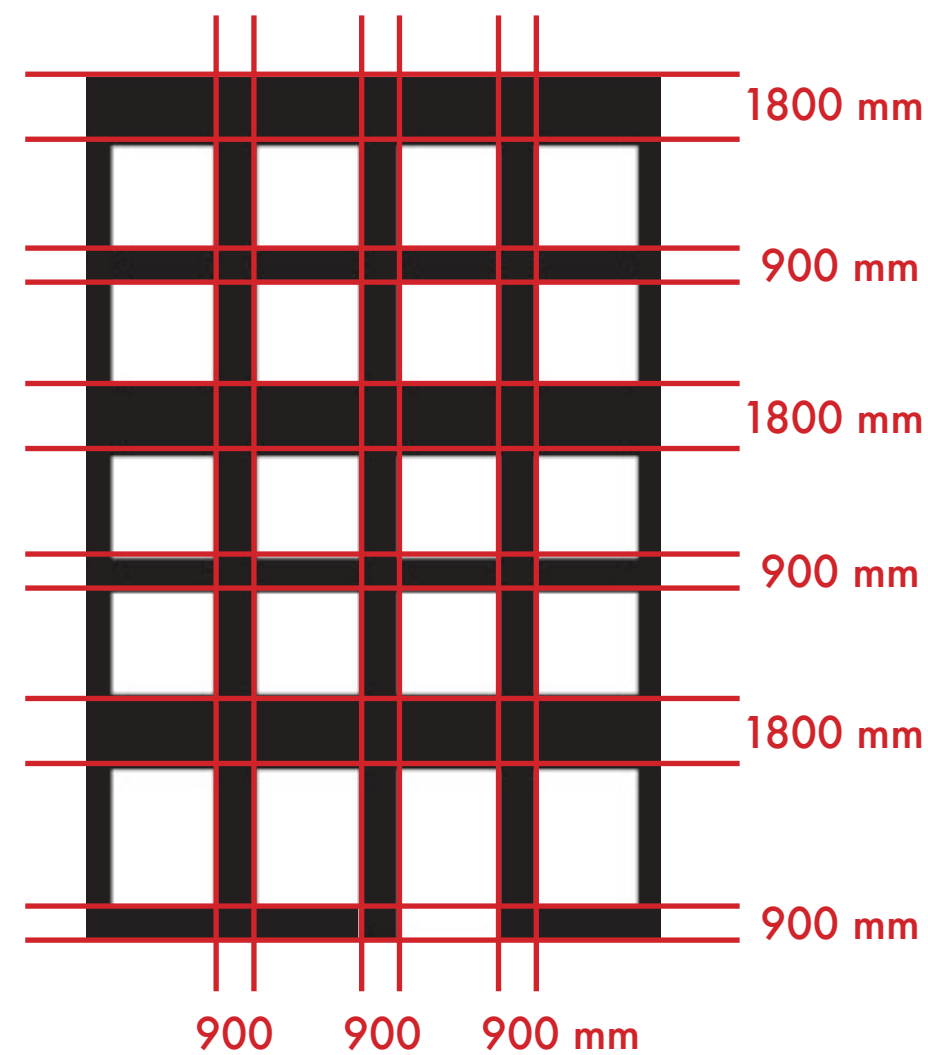
450 x 2700 mm (6x)  
- 3e & 4e verdieping (woningen)



900 x 2700 mm (3x)  
- 1e & 2e verdieping (cultureel programma)



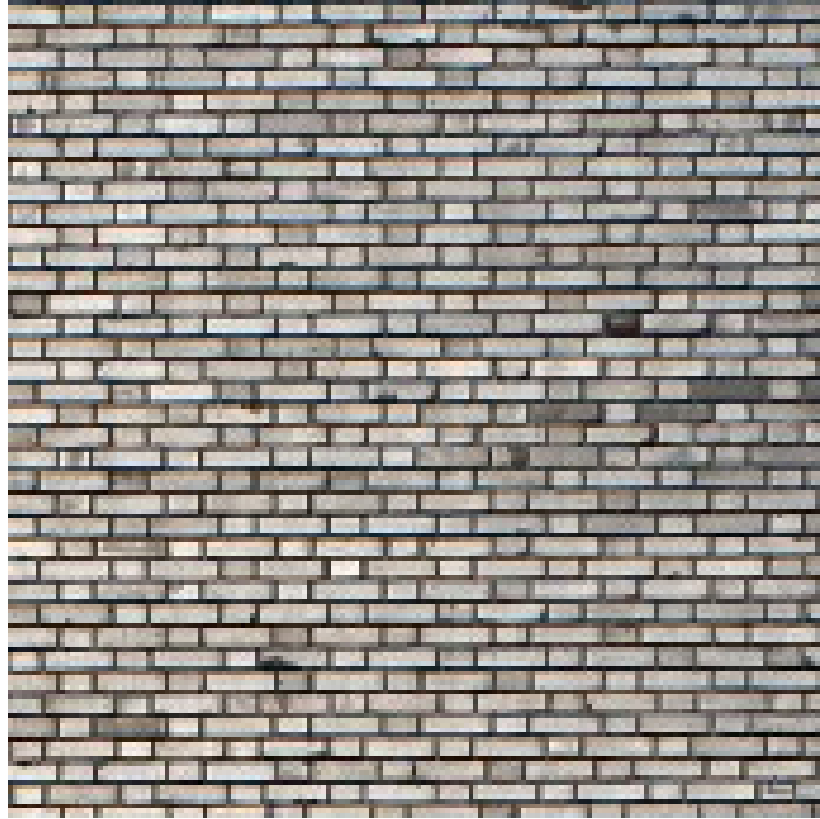
2700 x 2700 mm  
- Begane grond (gemengd publiek programma)



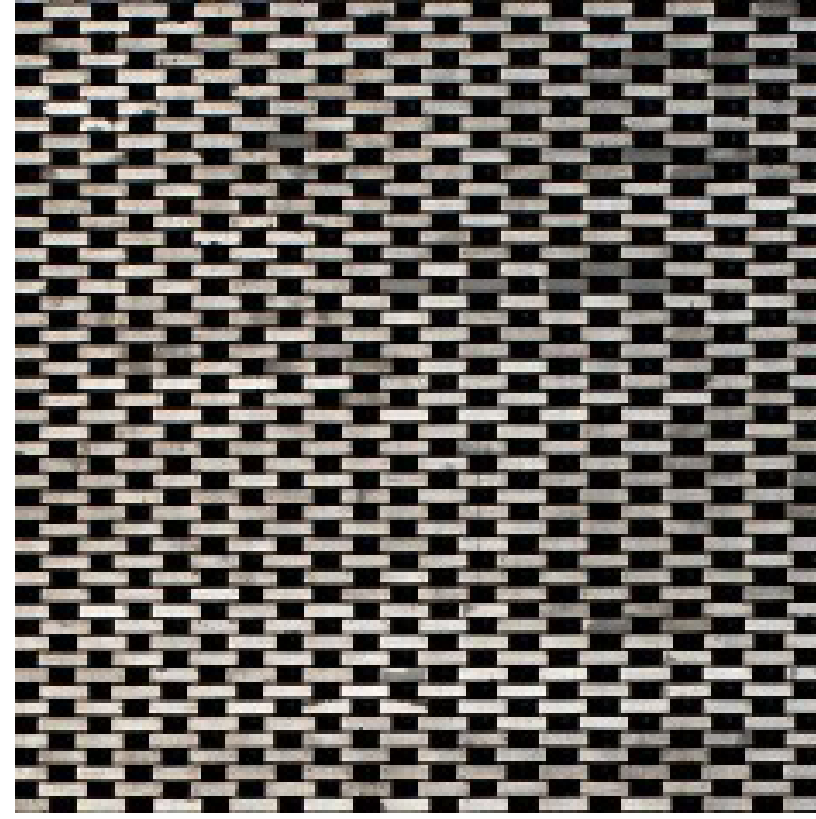


# BAKSTENEN

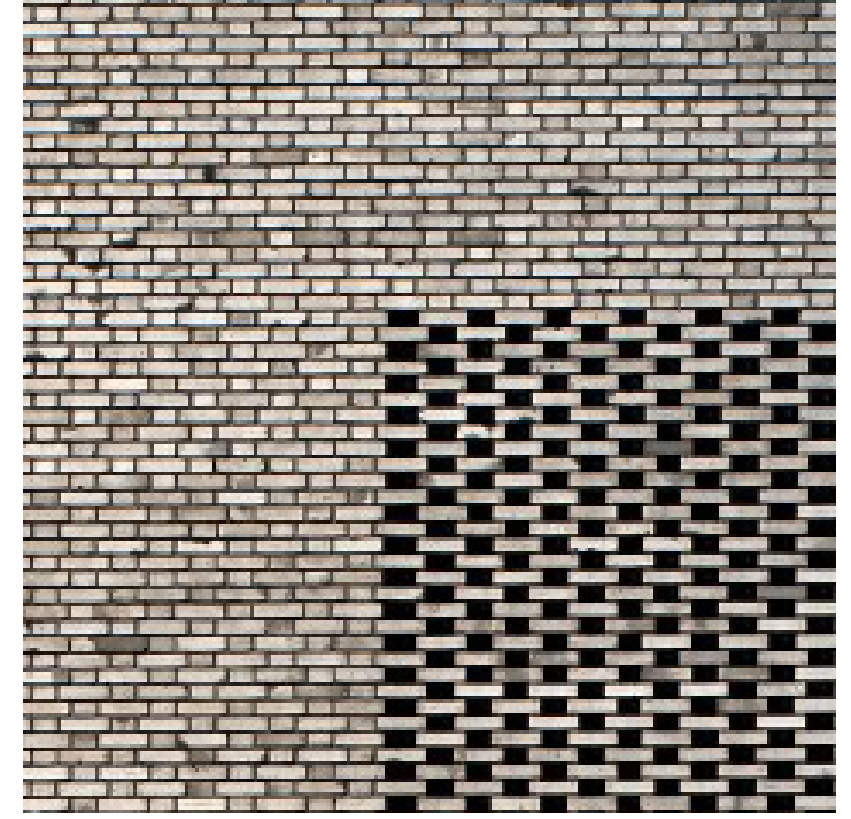
GANGBAAR PATROON



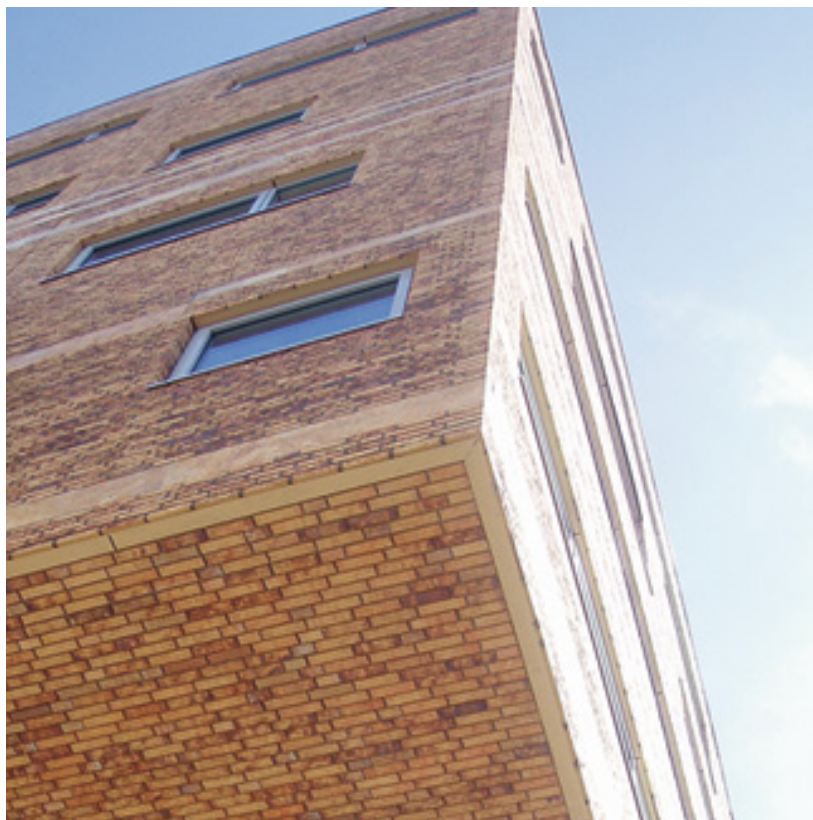
CLAUSTRA PATROON



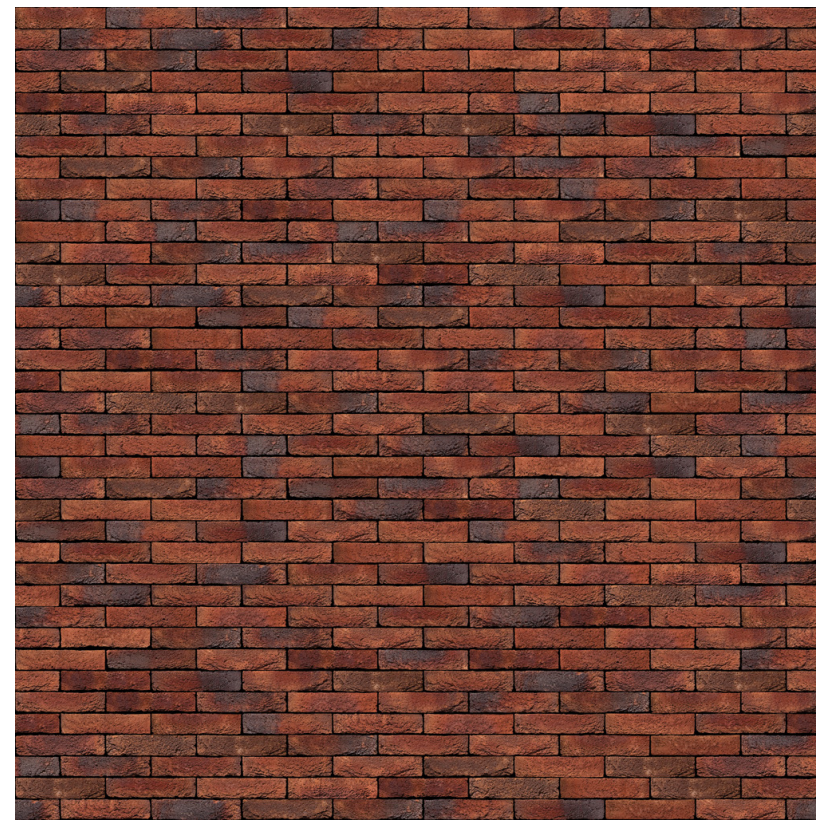
GECOMBINEERD



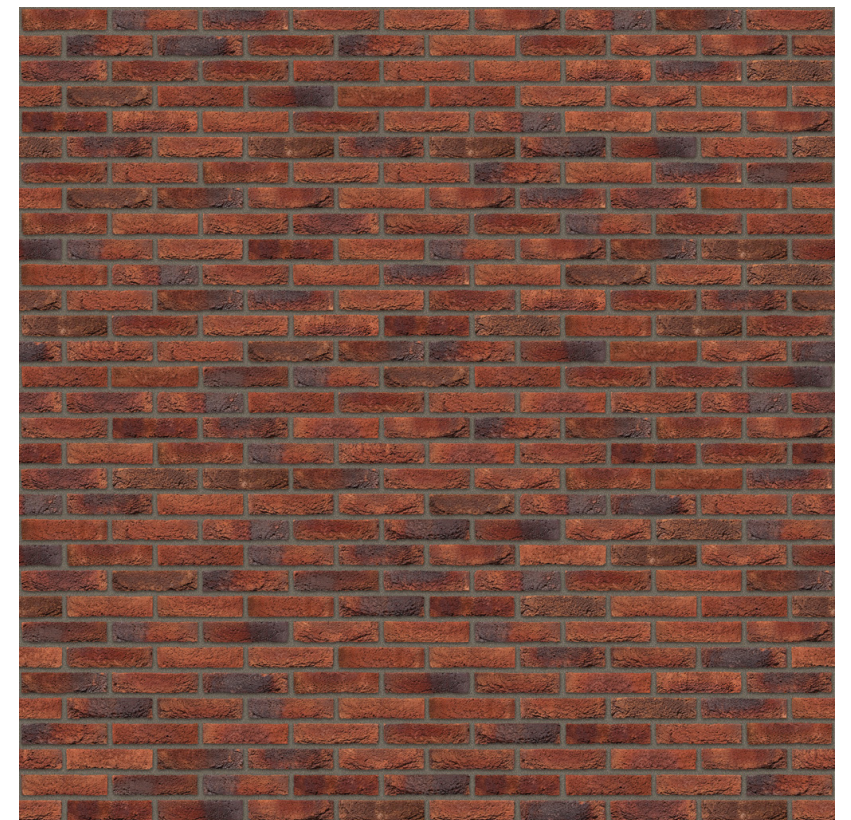
BAKSTEEN PLAFOND



BAKSTEEN KLEUR (zonder voegen)

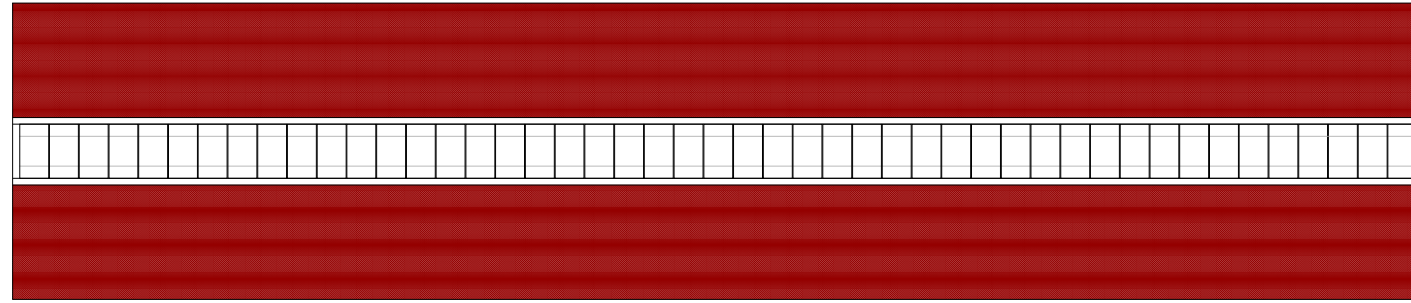


BAKSTEEN KLEUR (met donkere voegen)



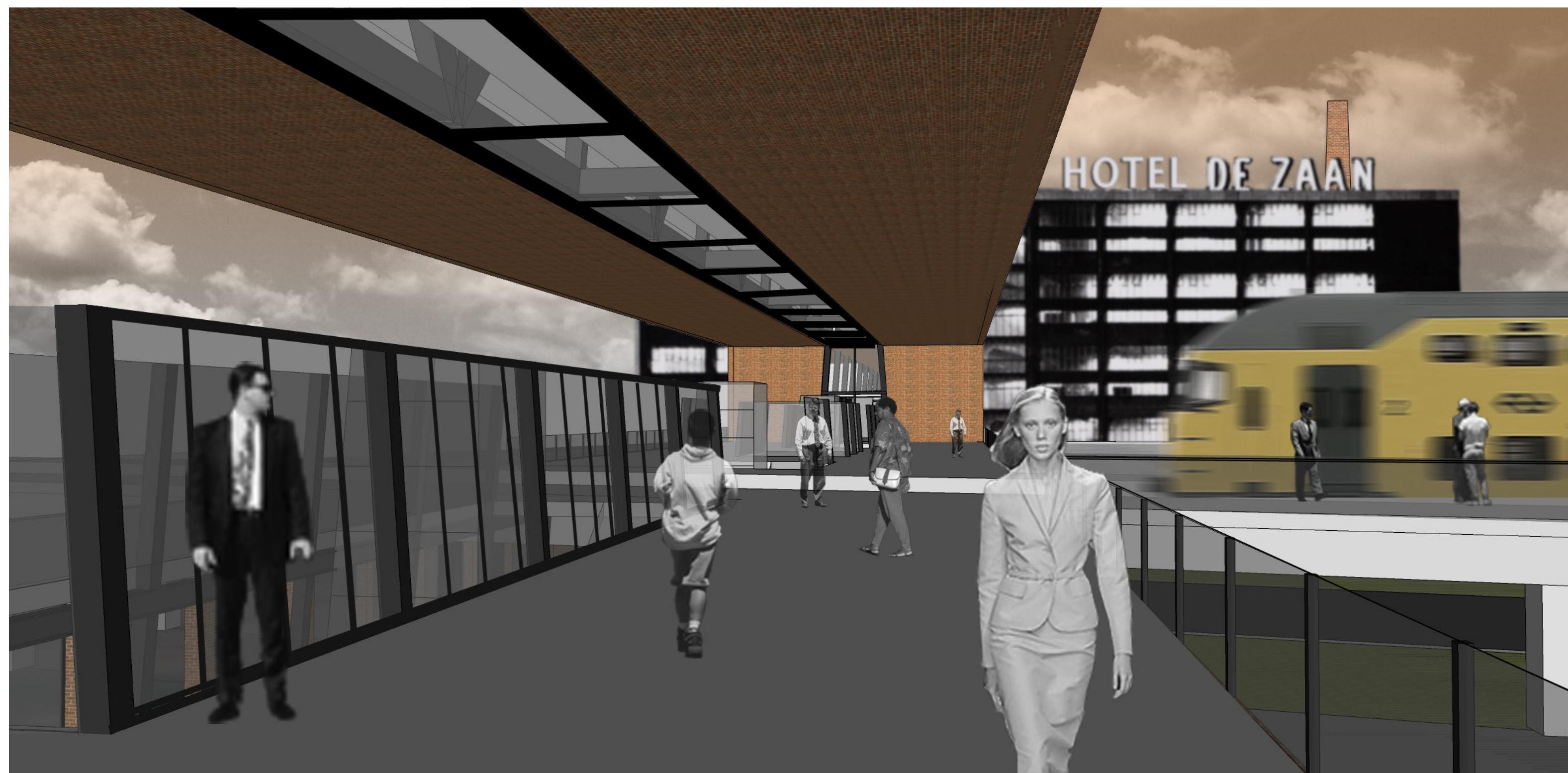
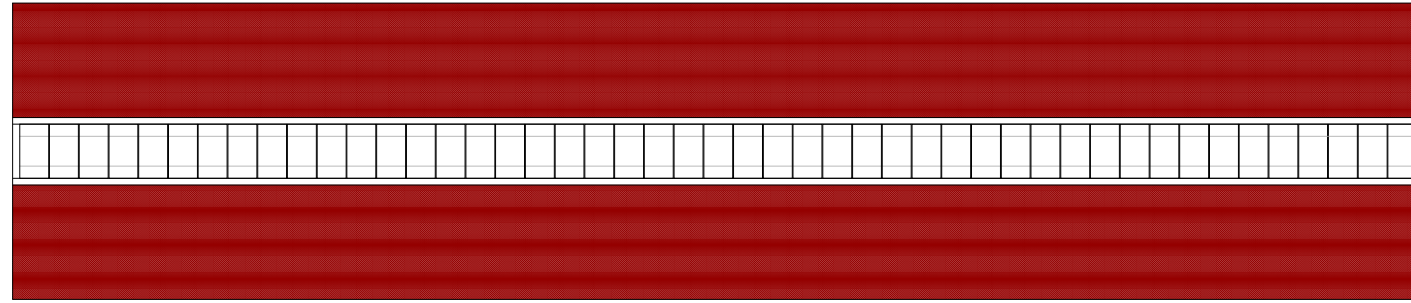


PLAFOND (gat)



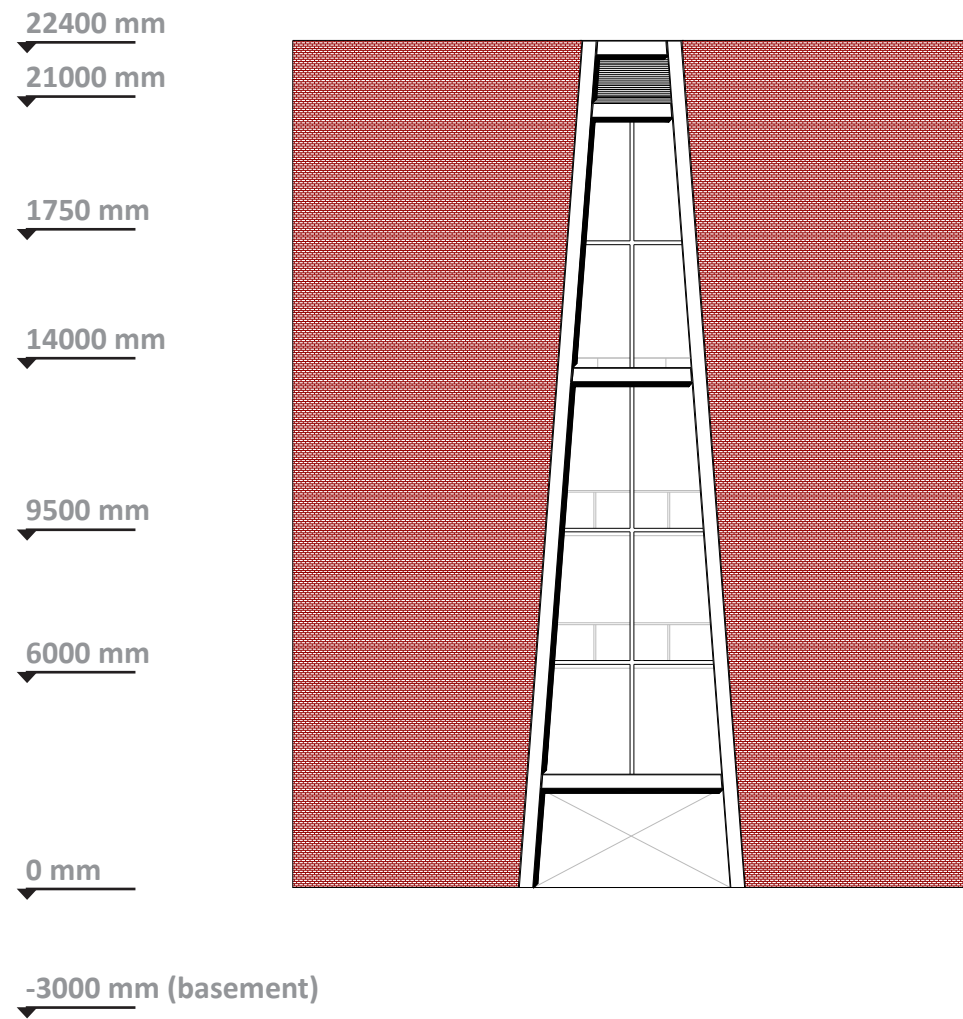


PLAFOND (gat)

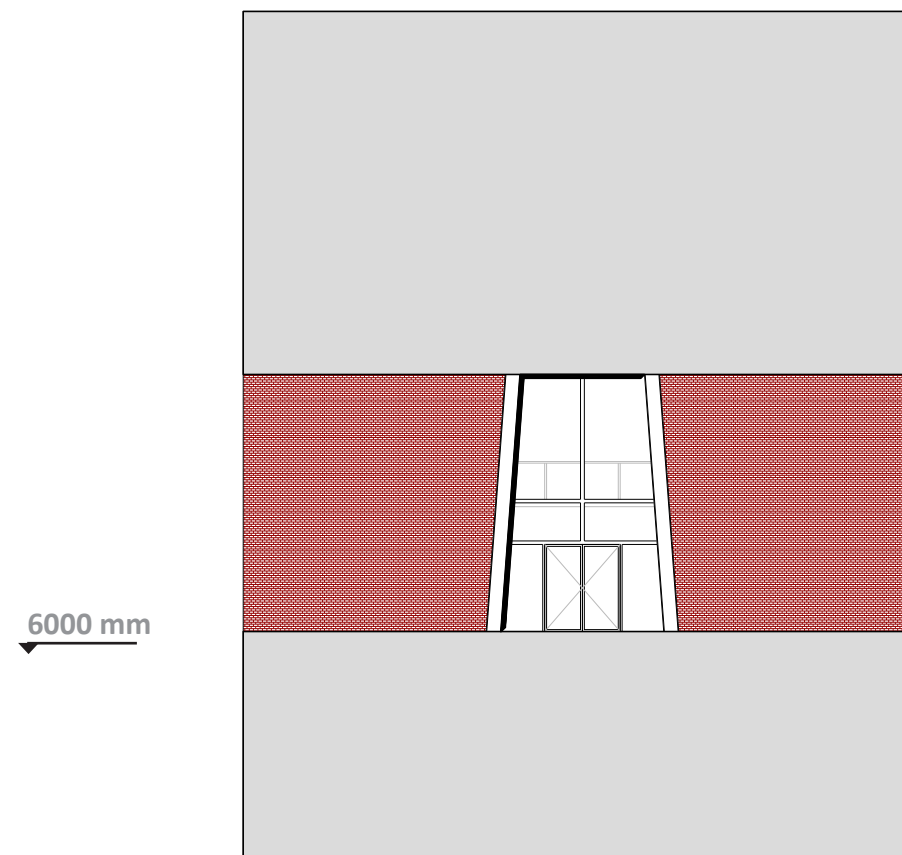


# KOPGEVELS

KOPGEVEL (OOST & WEST)

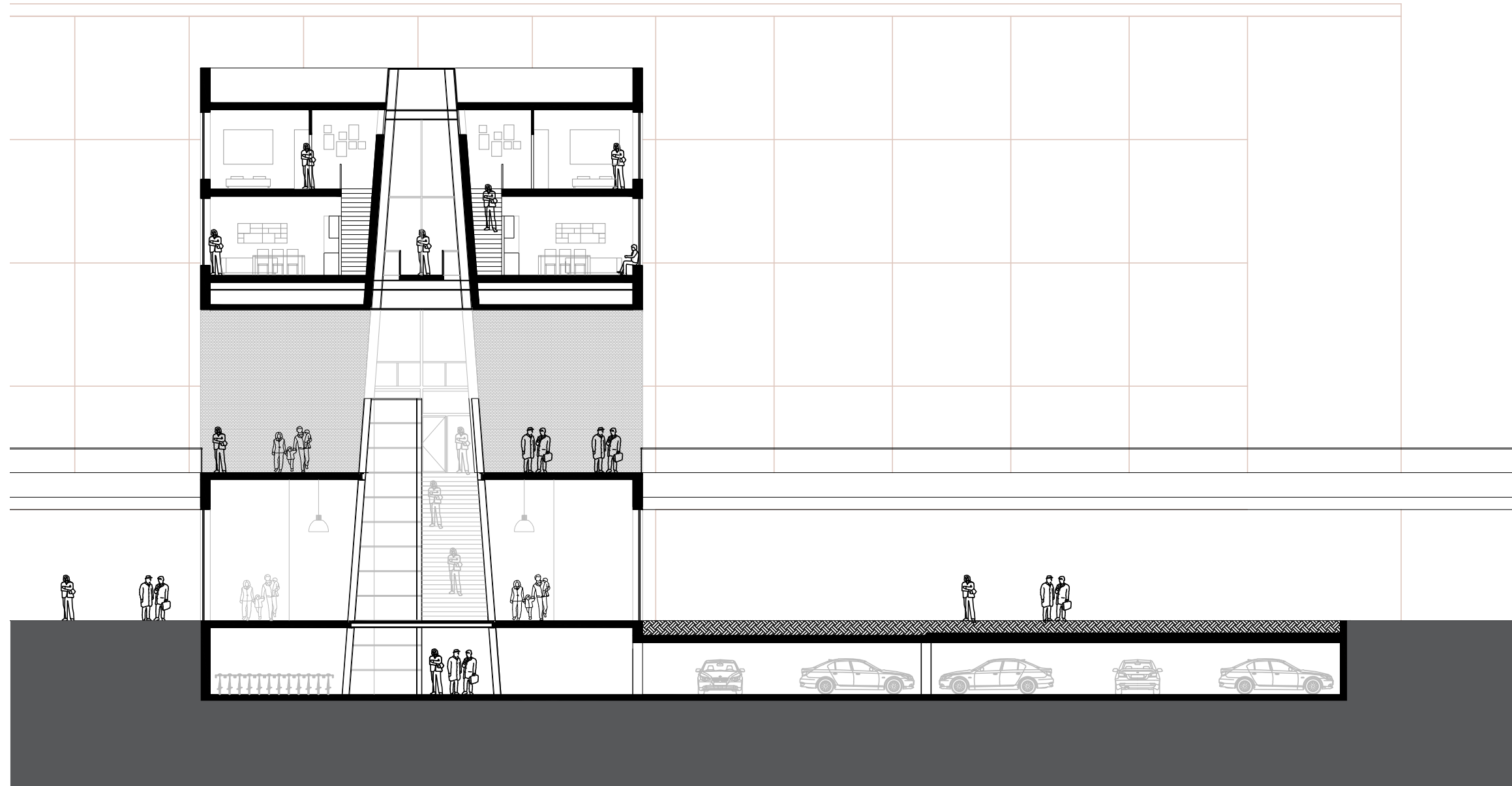


KOPGEVEL (GAT)



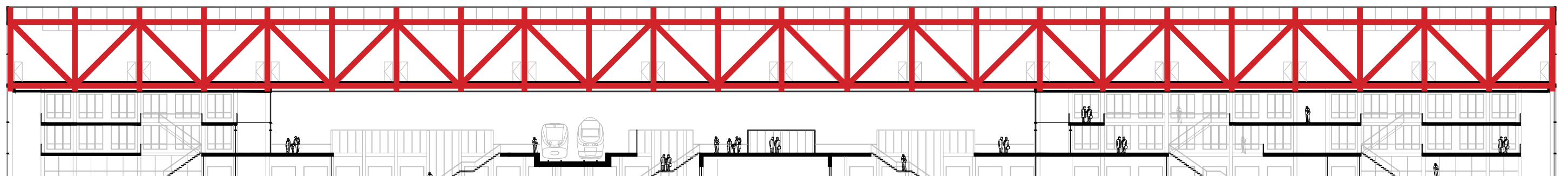
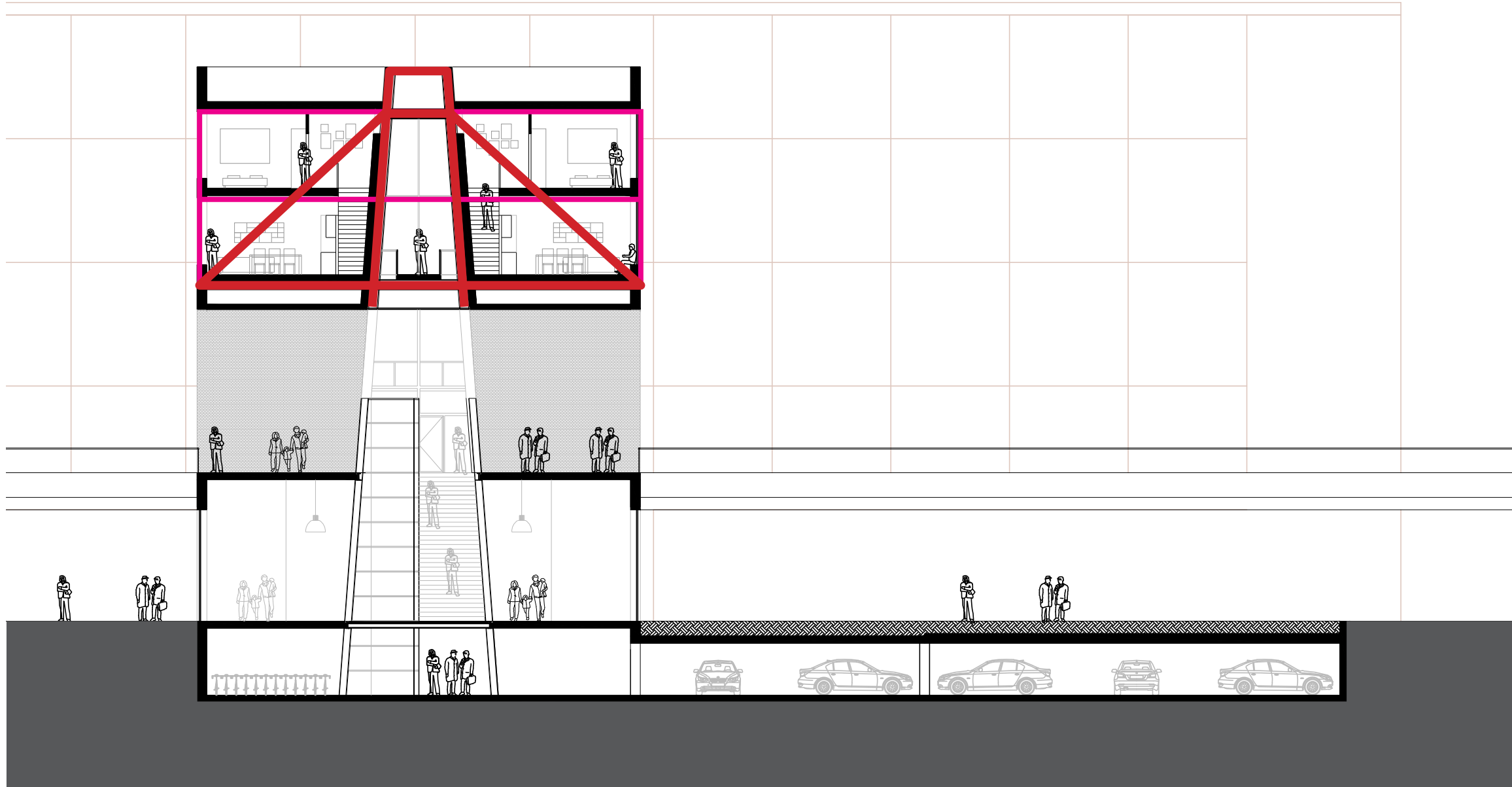


# DWARSDOORSNEDE (gat)



## DWARSDOORSNEDE (gat)

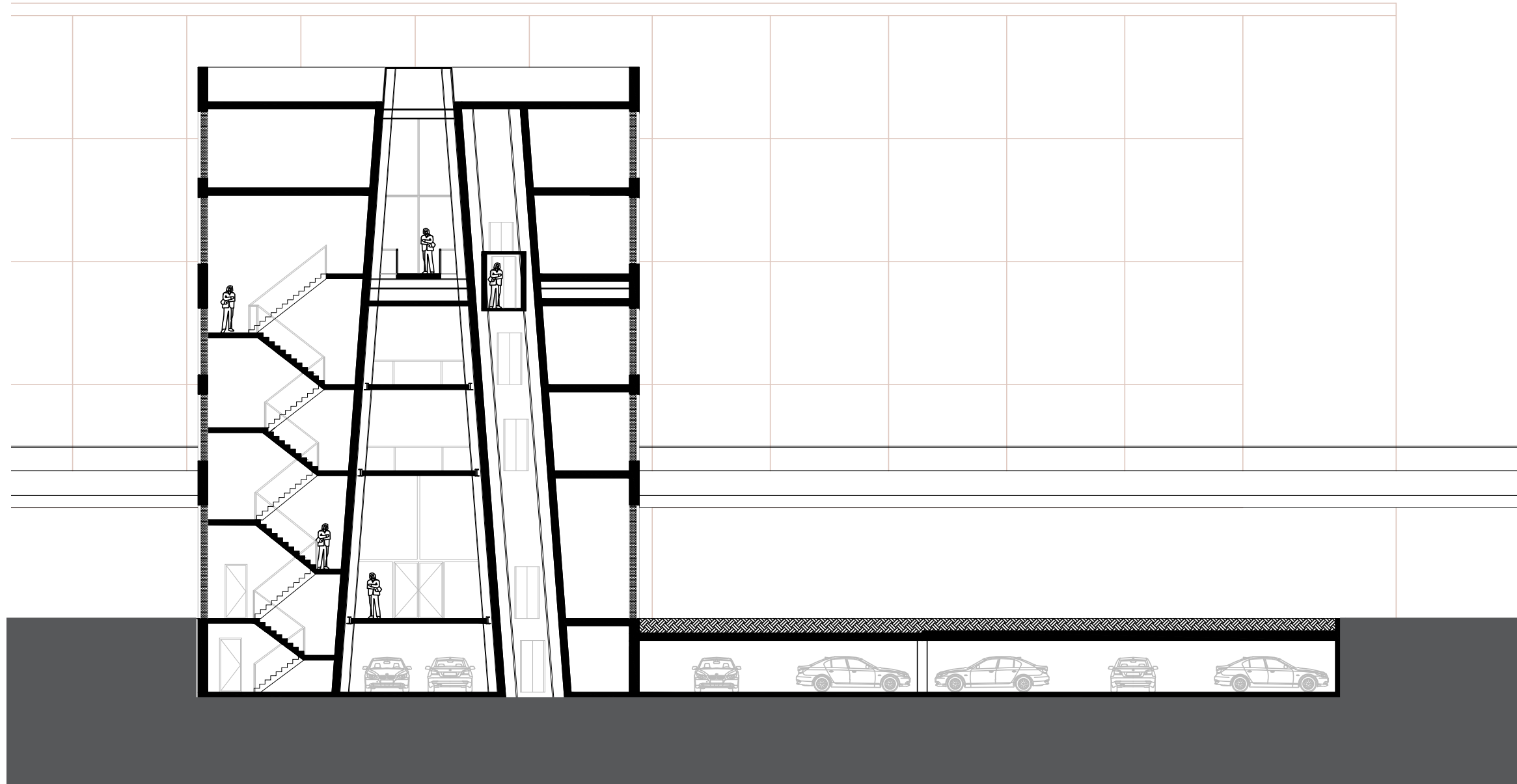
- Hoofddraagconstructie boven het gat bestaat uit een 8.5 m hoge stalen vakwerk en ribben verwerkt in de scheidingswanden tussen de woningen.





## DWARSDOORSNEDES (kernen)

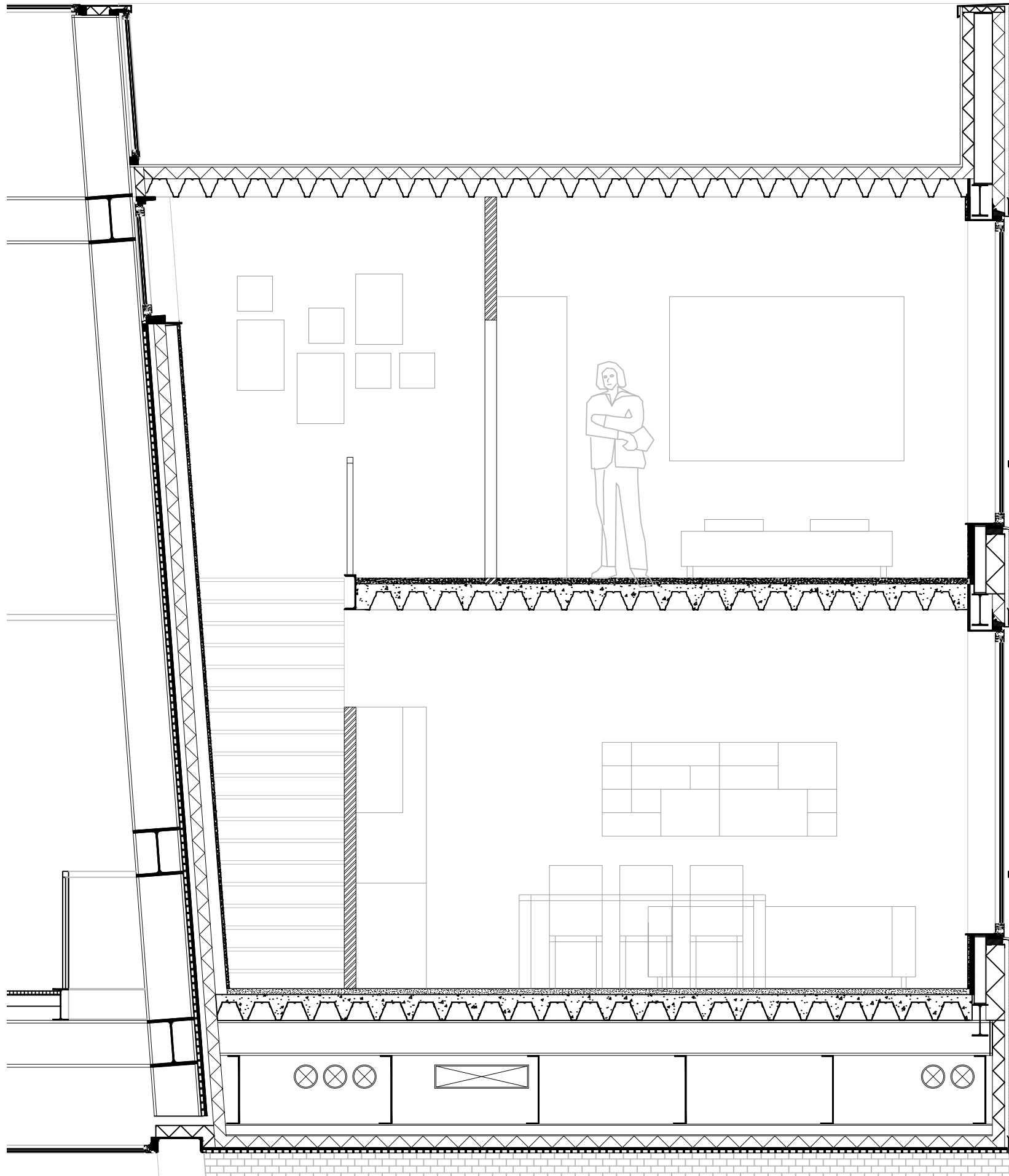
- Bevatten liften, (nood)trappenhuizen, installatieruimtes en verzorgen stabiliteit
- Bevatten soms toiletgebruiken







# TRAIN STATION AS INTEGRATED URBAN ELEMENT IN KOOG-ZAANDIJK





## WONINGEN

# 38 MAISSONETTES

28x MAISSONETTE 'MEDIUM'

88 m<sup>2</sup>

- woonkamer
- 2 slaapkamers
- 1 toiletten
- 1 badkamer



10x MAISSONETTE 'LARGE'

134 m<sup>2</sup>

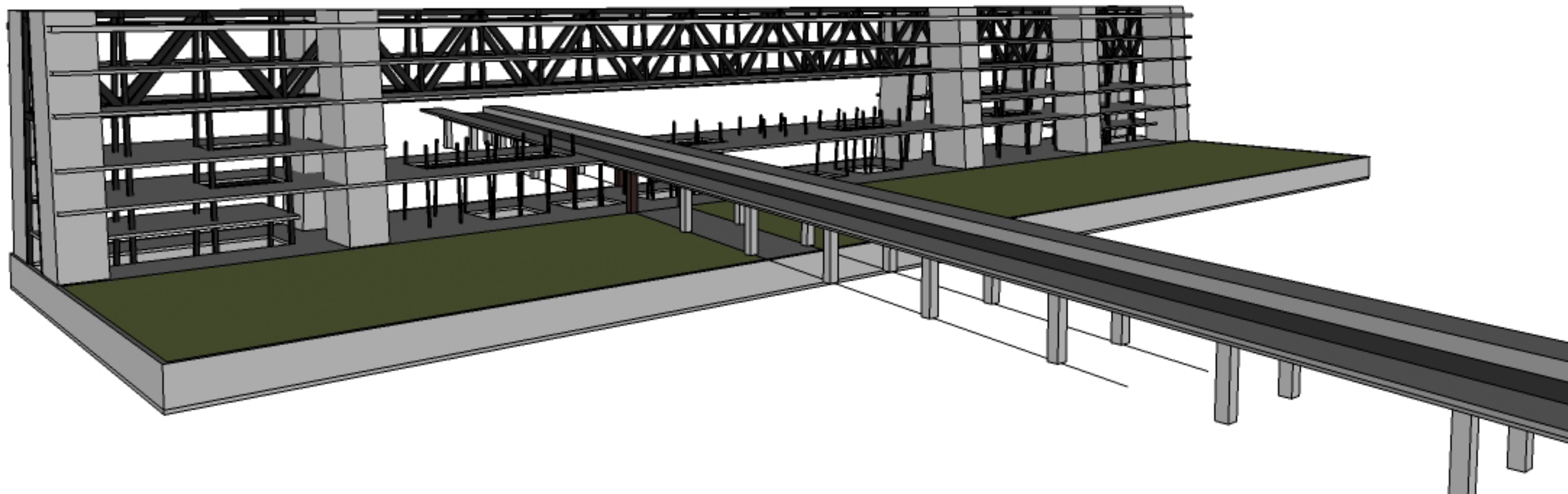
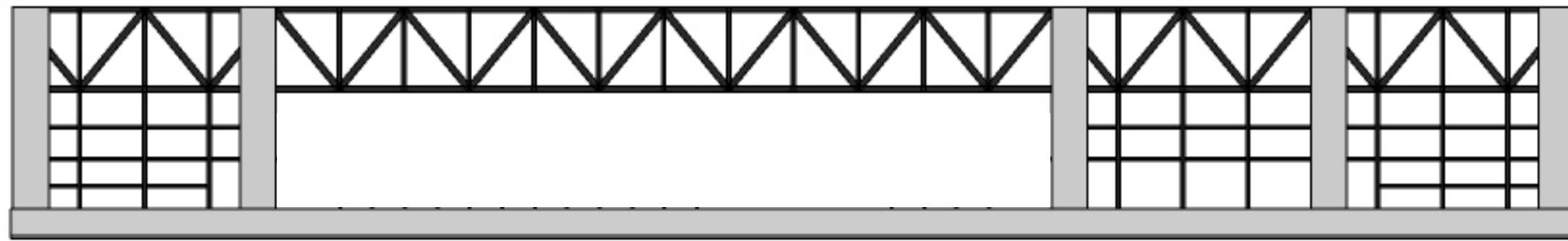
- woonkamer
- 3 slaapkamers
- 2 toiletten
- 1 badkamer





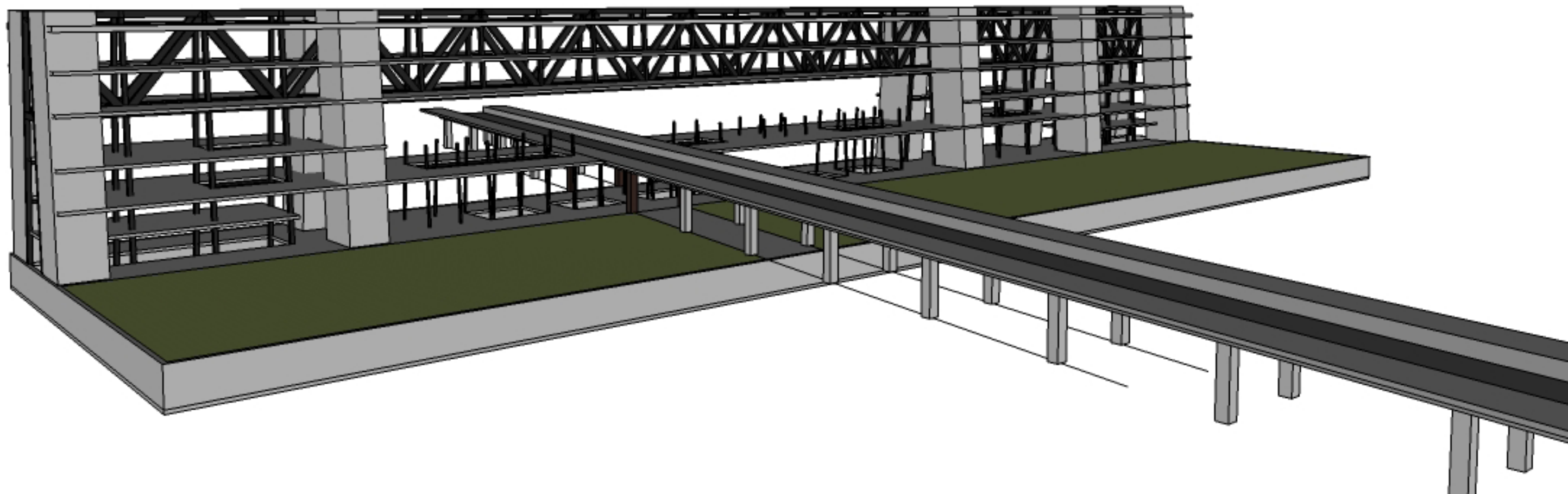
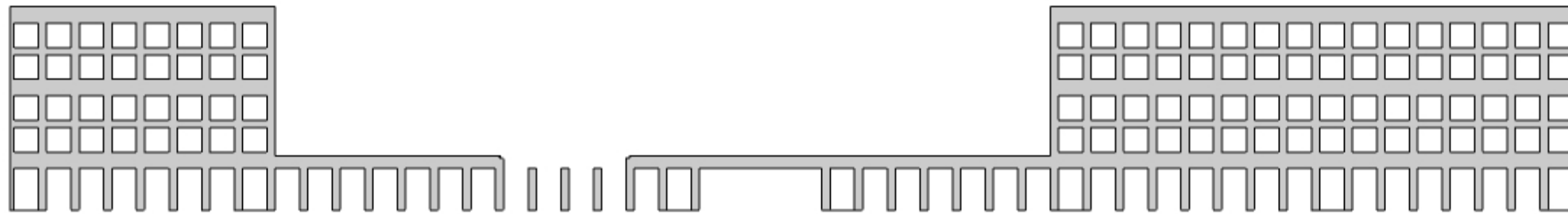
# DRAAGCONSTRUCTIE BETON + STAAL

STALEN VAKWERK + LIGGER CONSTRUCTIE (centrale zone)



# DRAAGCONSTRUCTIE BETON + STAAL

PREFAB BETONNEN GEVELEMENTEN (langsgevel)

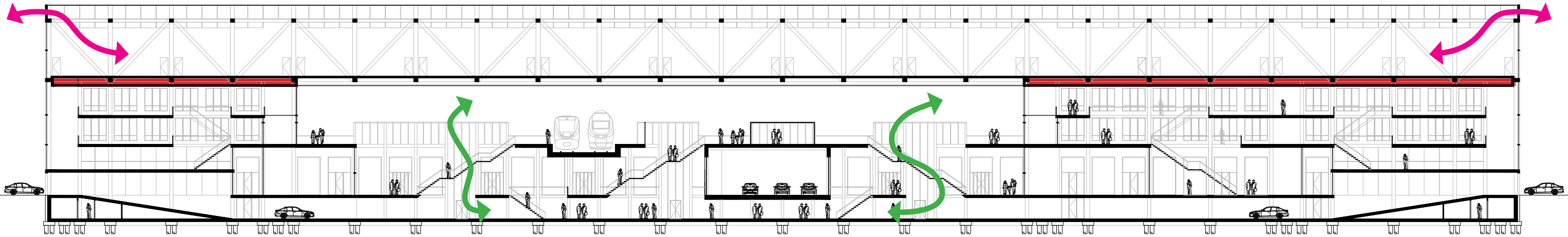




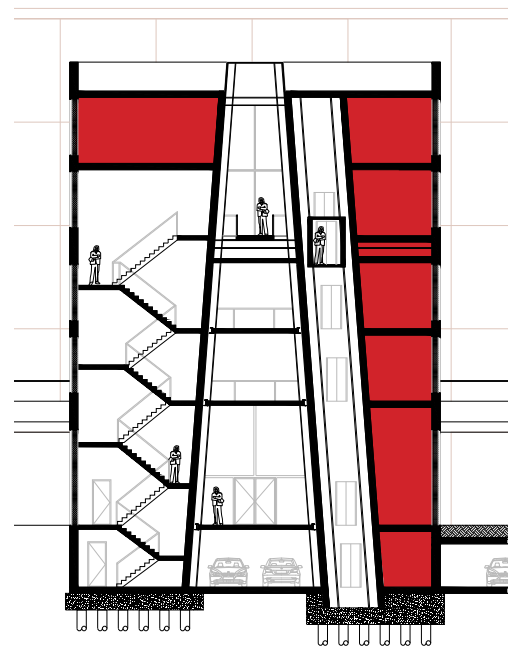
# INSTALLATIES

# GEDECENTRALISEERD

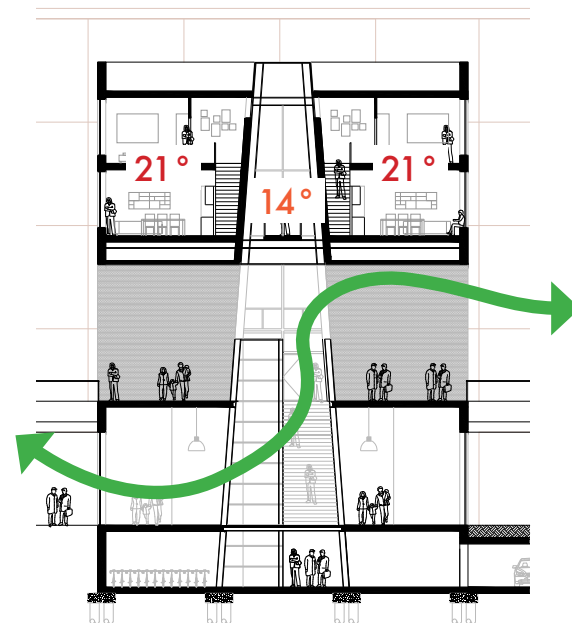
- MECHANISCHE VENTILATIE (toevoer & afvoer)
- STATIONSHAL NATUURLIJK GEVENTILEERD



- INSTALLATION ROOMS DECENTRALIZED



- UNHEATED CORRIDOR
- NATURALLY VENTILATED STATION HALL



THANK YOU!

