

# **CONNECTING THE ZUIDAS**

## New Directions In The Public Interior

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shelter

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Station Delft



Station Den Haag Cs



Station Breda



Station Rotterdam Cs

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# INTRODUCTION | Research

March 20th 2009



## Een broek koop je op het station

Joeri Wisse – 20/03/09, 00:00

**Zes grote treinstations worden de komende jaren flink vernieuwd. Op Leiden Centraal krijgt het 'station van de toekomst' al vorm.**



Stations are becoming  
**more public**

# INTRODUCTION | Research



Central passage at Leiden Central Station



Central passage at Rotterdam Central Station

# INTRODUCTION | Research

March 20th 2009



## Een broek koop je op het station

Joeri Wisse – 20/03/09, 00:00

**Zes grote treinstations worden de komende jaren flink vernieuwd. Op Leiden Centraal krijgt het 'station van de toekomst' al vorm.**



Stations are becoming  
**more public**

March 7th 2014



## Poortjes van een half miljard gaan gewoon dicht

GEPLAATST : 7 maart

**Staatssecretaris doet niets met 'verkiezingsspraakje' eigen partij en coalitiegenoot om poortjes op treinstations open te laten.**



Stations are becoming  
**less public**

# INTRODUCTION | Research



Central passage in Rotterdam CS



Secondary tunnel in Rotterdam CS

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## CONCLUSIONS:

- Stations are accumulating more functions such as retail and catering
- Are often the venue for **temporary events**
- Stations are becoming destinations on their own instead of spaces of transition
- Stations are losing their position as connecting element in the city fabric
- The location of the functions or events in relation to the OV-chipcard gates is crucial

Stations are becoming  
**more public**

Stations are becoming  
**less public**

# Symfonisch vuurwerk op Rotterdam Centraal



Article in the Metro of October 3rd, 2014

## CONCLUSIONS:

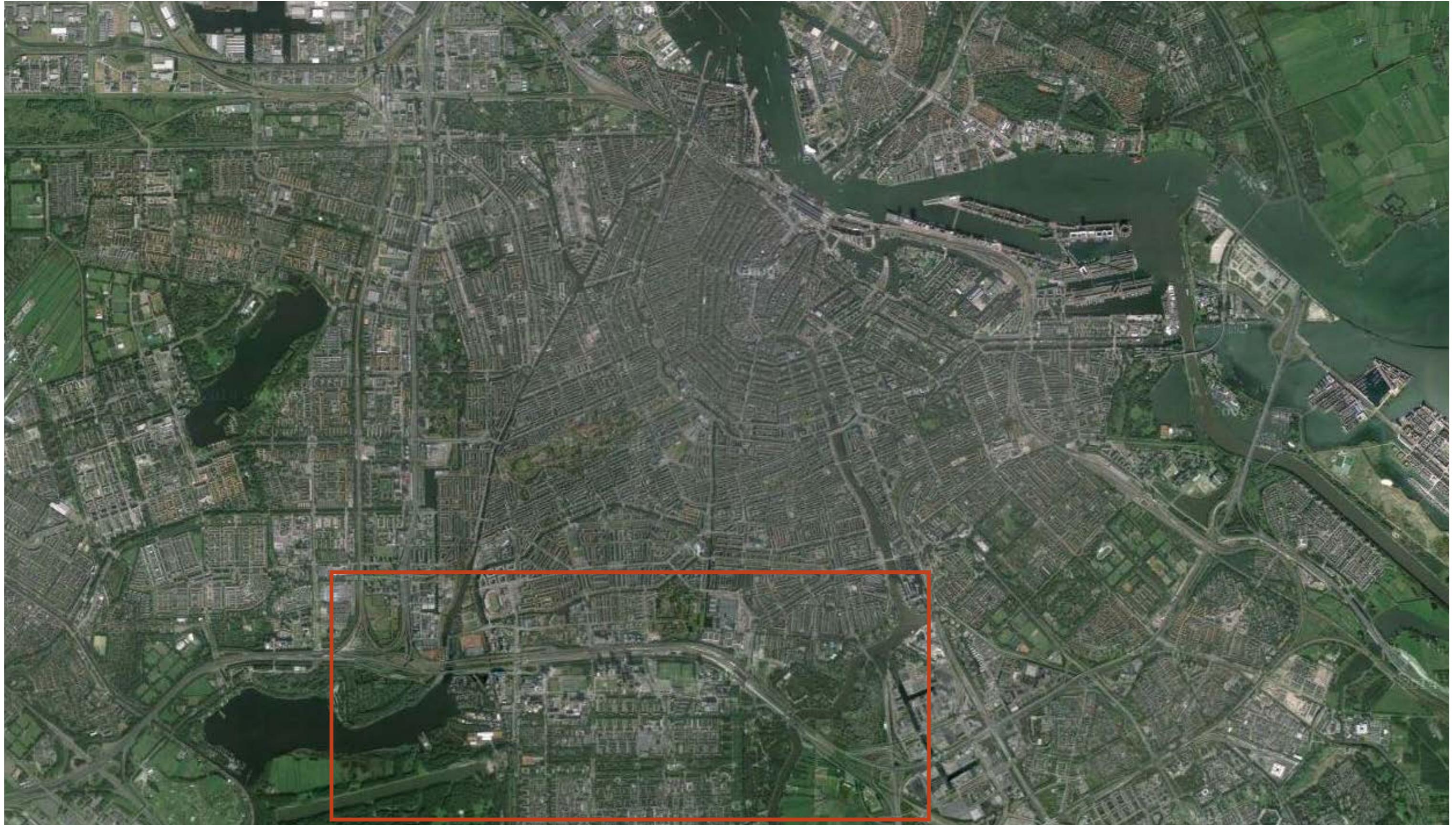
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Stations are becoming  
**more public**

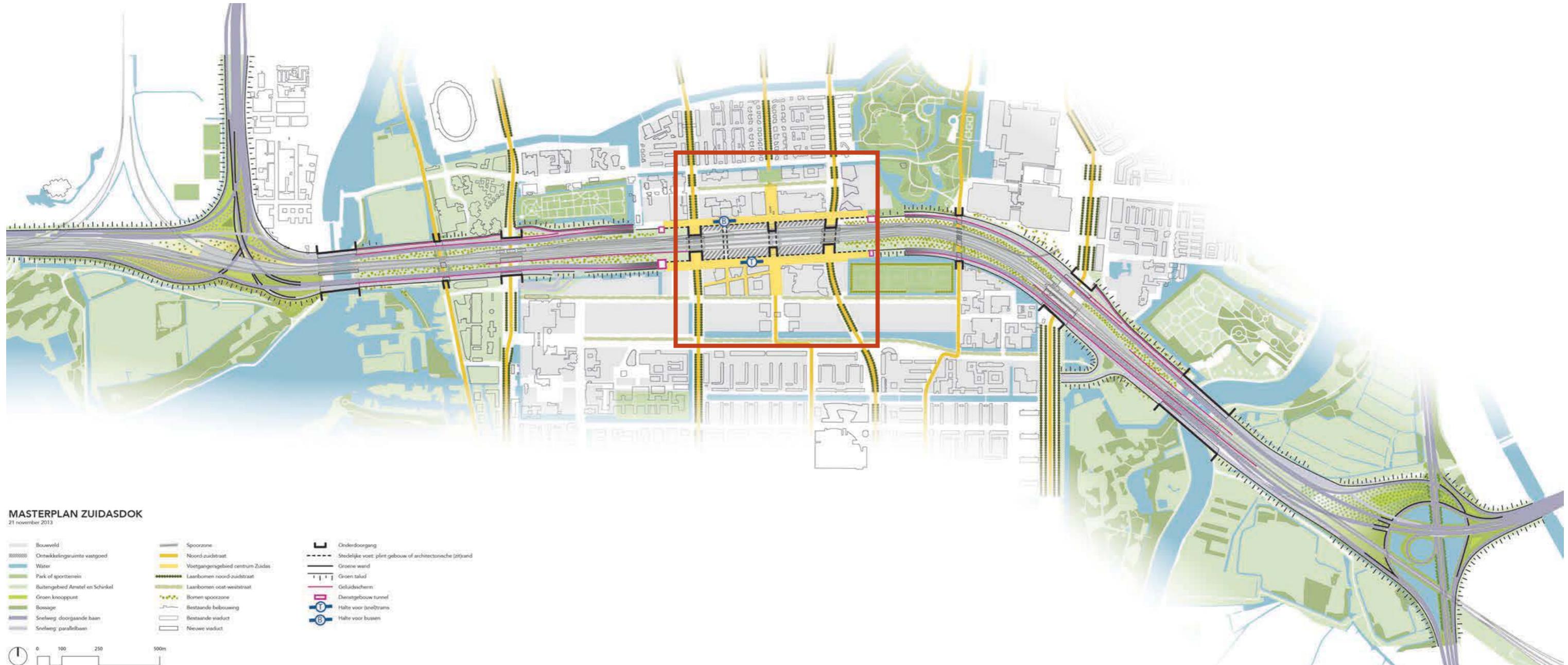
Stations are becoming  
**less public**

## RESEARCH QUESTION:

In what way does the typology of the station need to change in order to remain a connection within the city while at the same time accommodating more functions?



# CONCEPT | Zuidas



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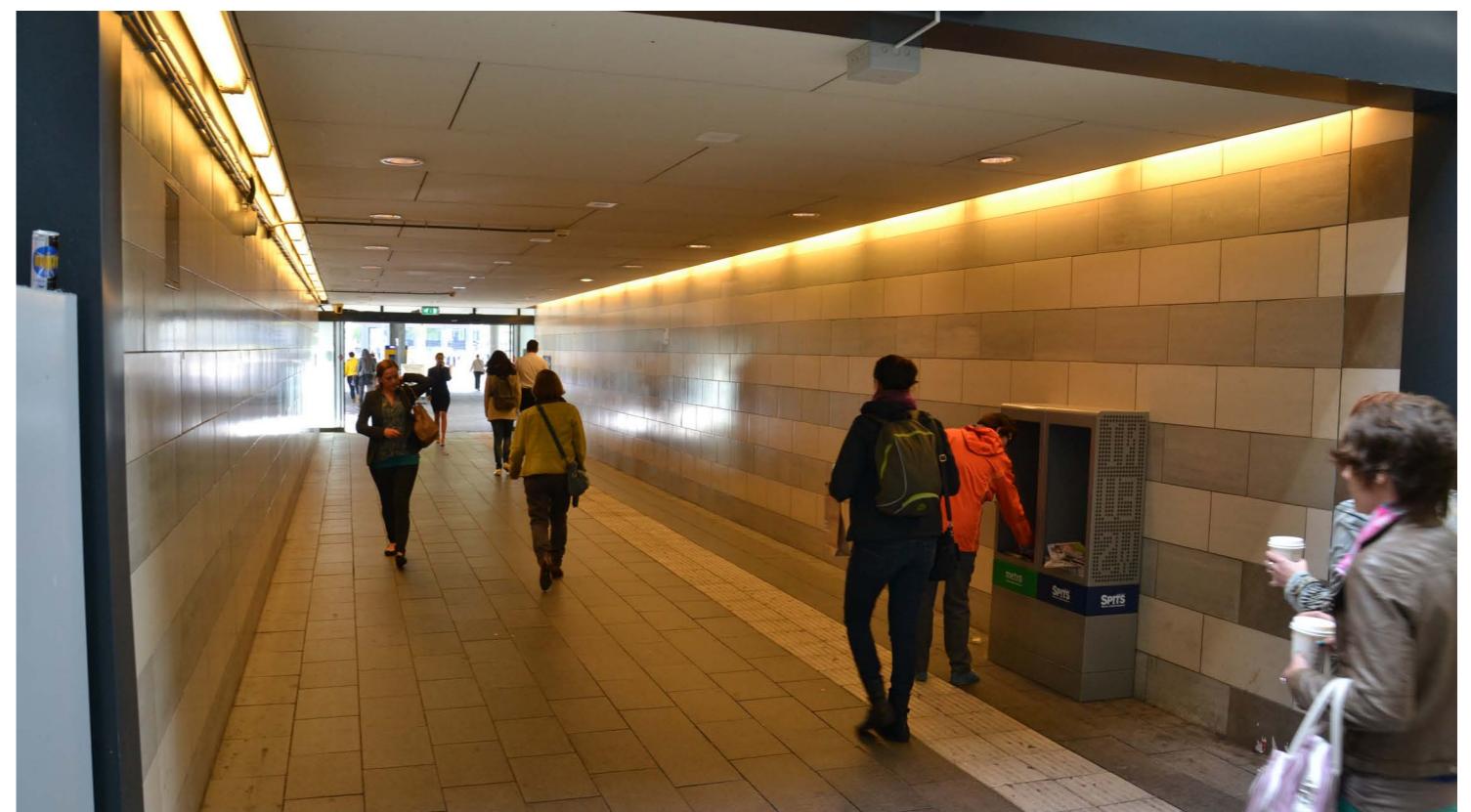
Station Amsterdam Zuid



Platforms



Central passage



Entrance at the Mathlerplein

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# CONCEPT | Zuidasdok



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# CONCEPT | Zuidasdok



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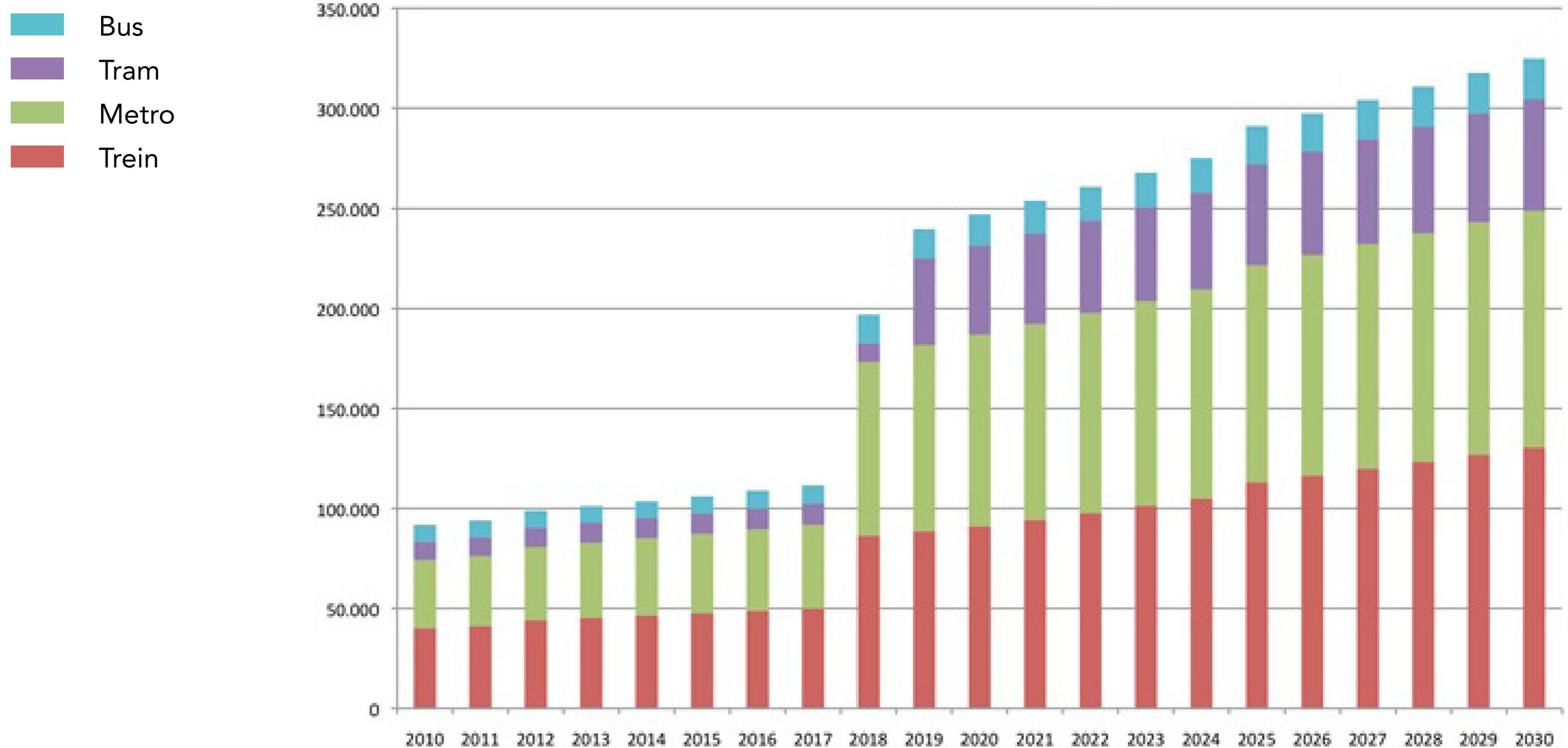
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## FASE I

- from 2014 to 2030-2040
- placing the A10 underground
- create **temporary station**



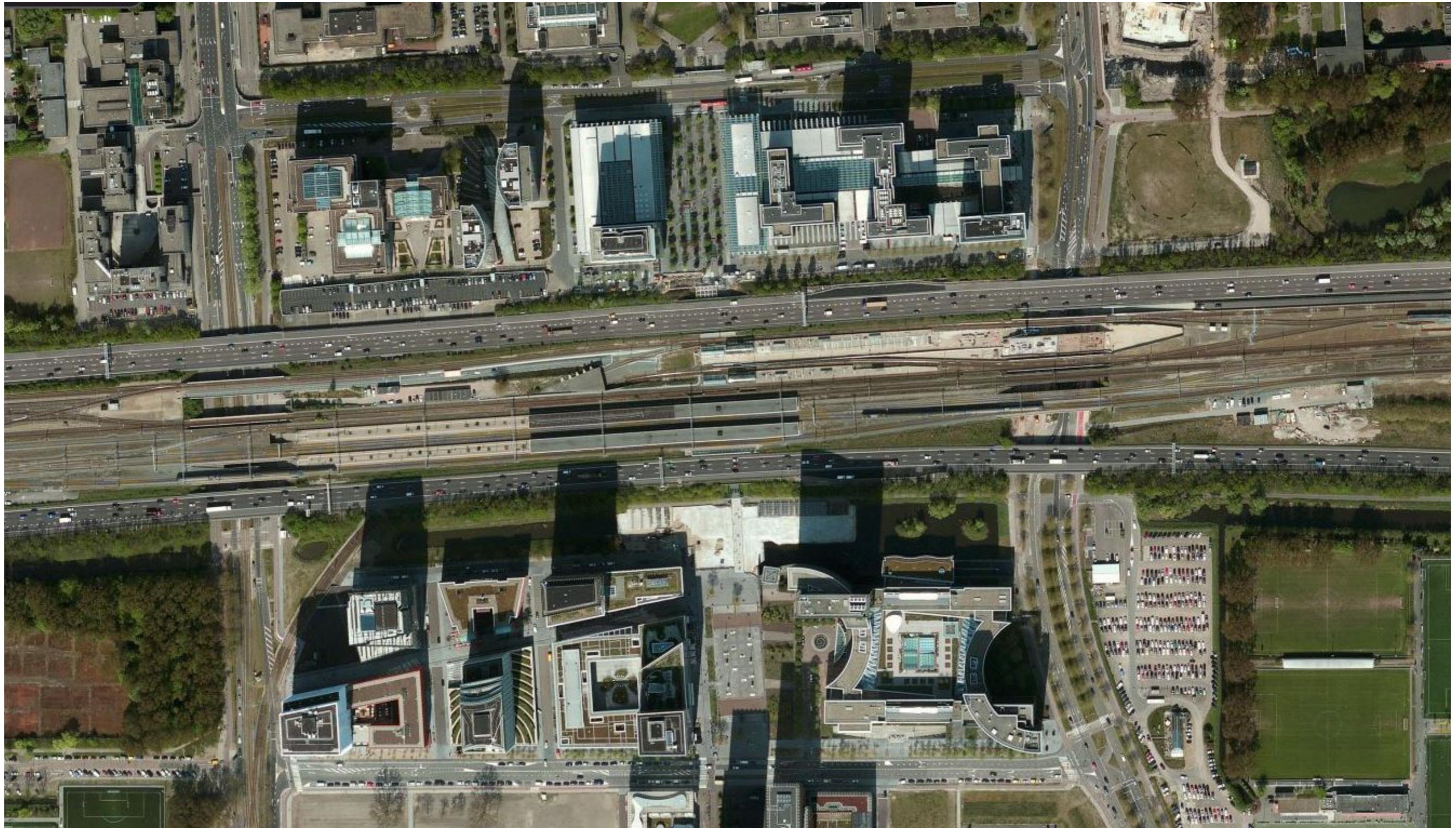
## FASE I

- from 2014 to 2030-2040
- placing the A10 underground
- create temporary station

## FASE II

- from 2030-2040
- also placing train and metro underground
- permanent station in de Zuidasdok

# CONCEPT | Urban plan



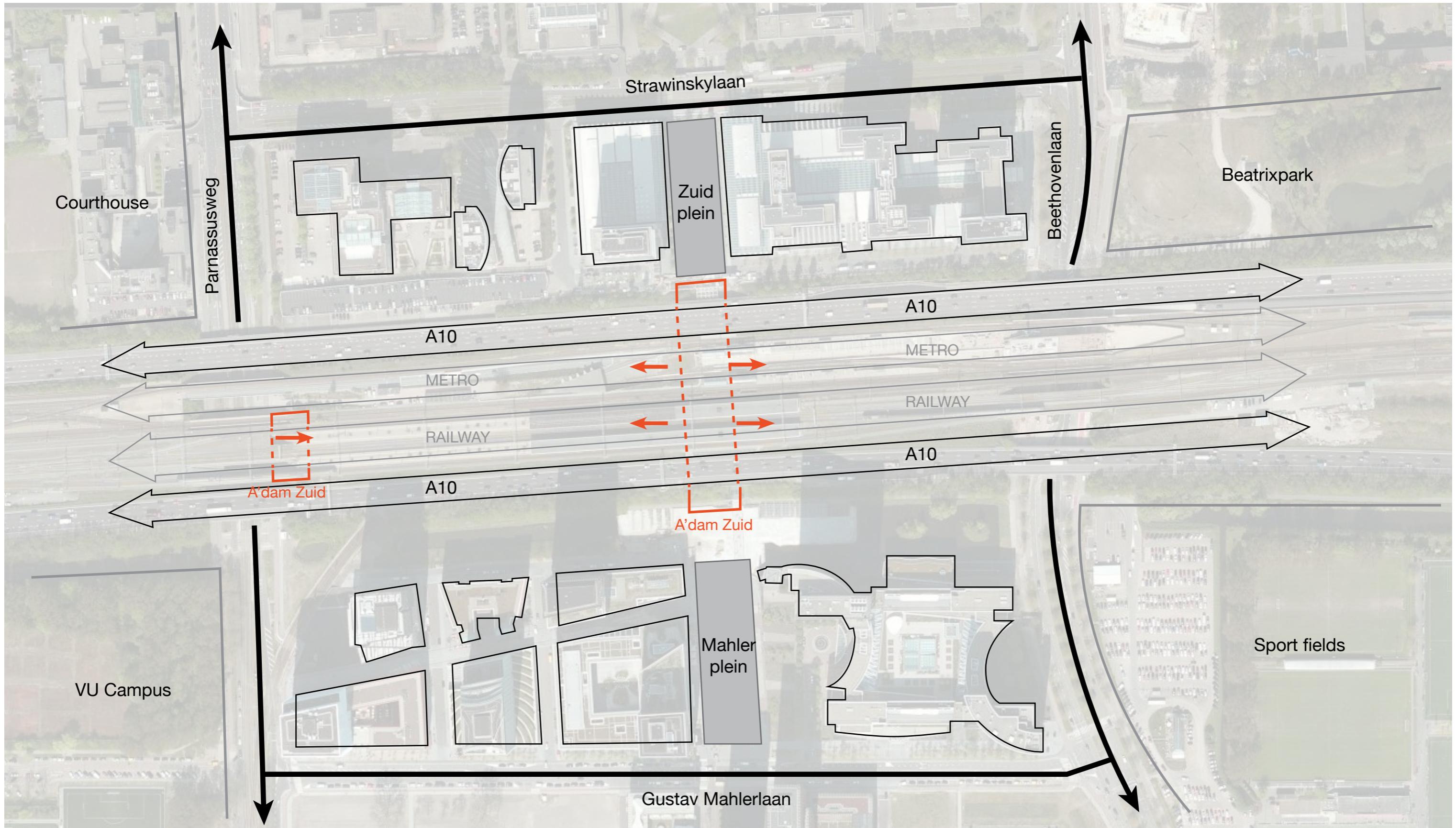
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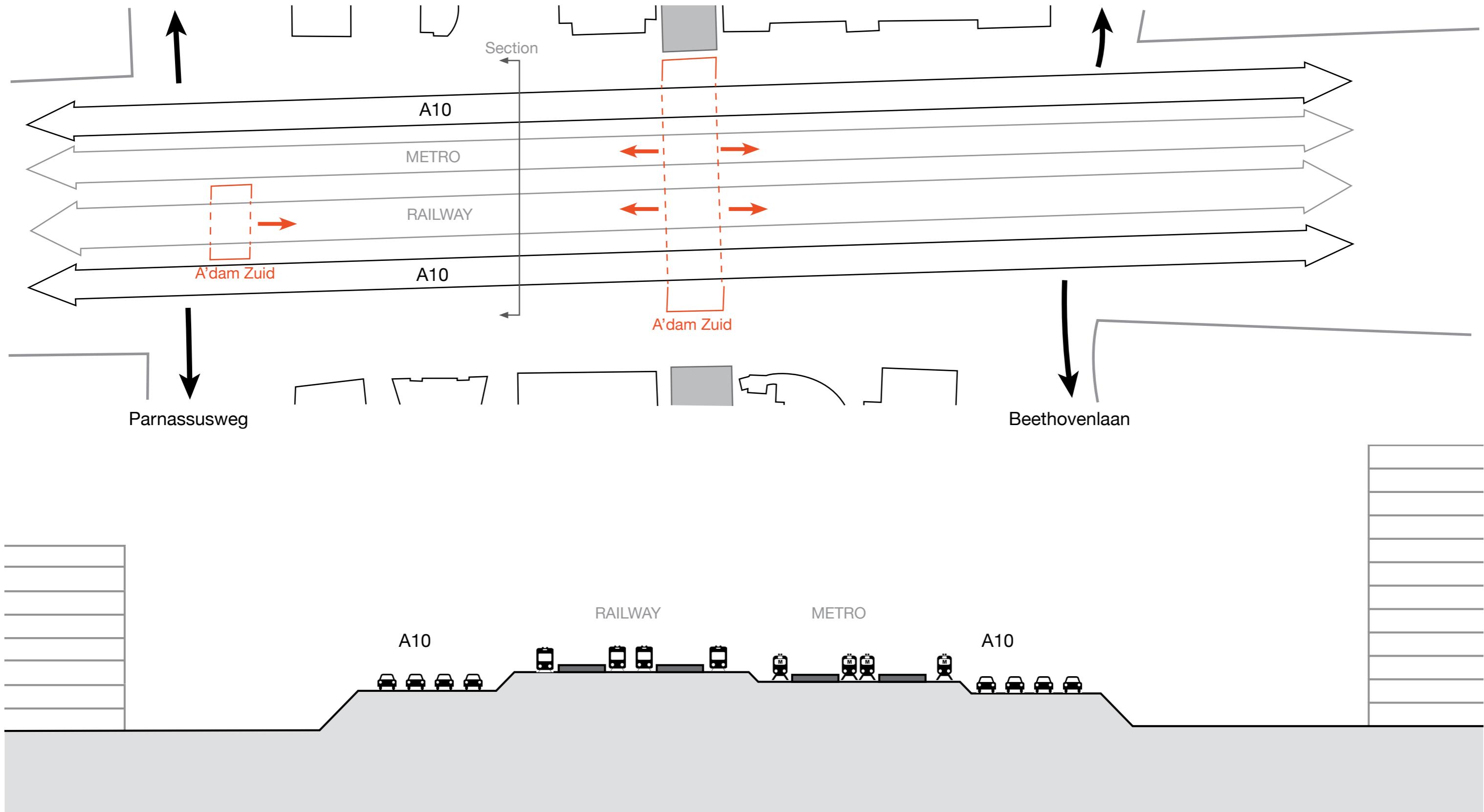
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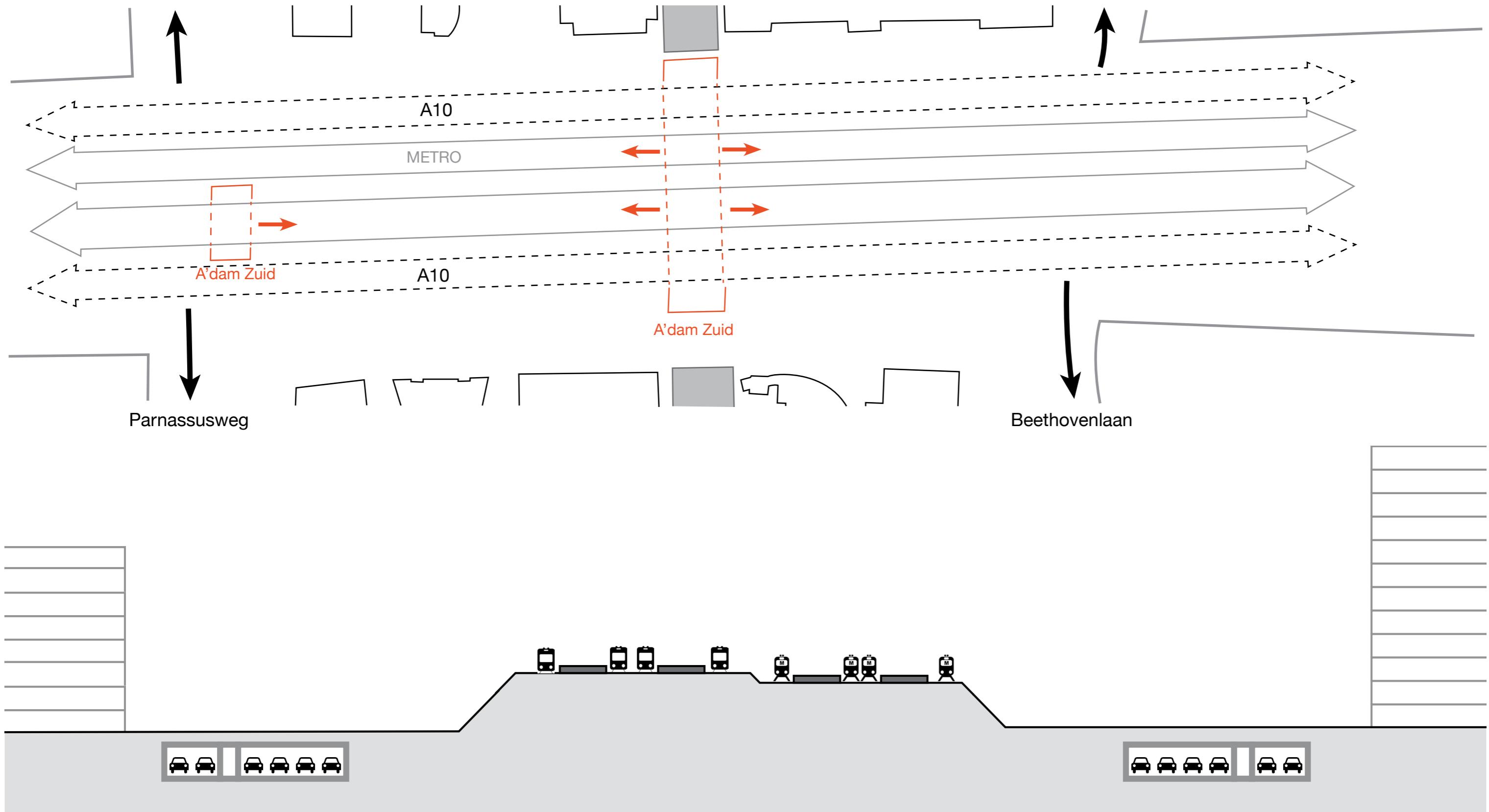
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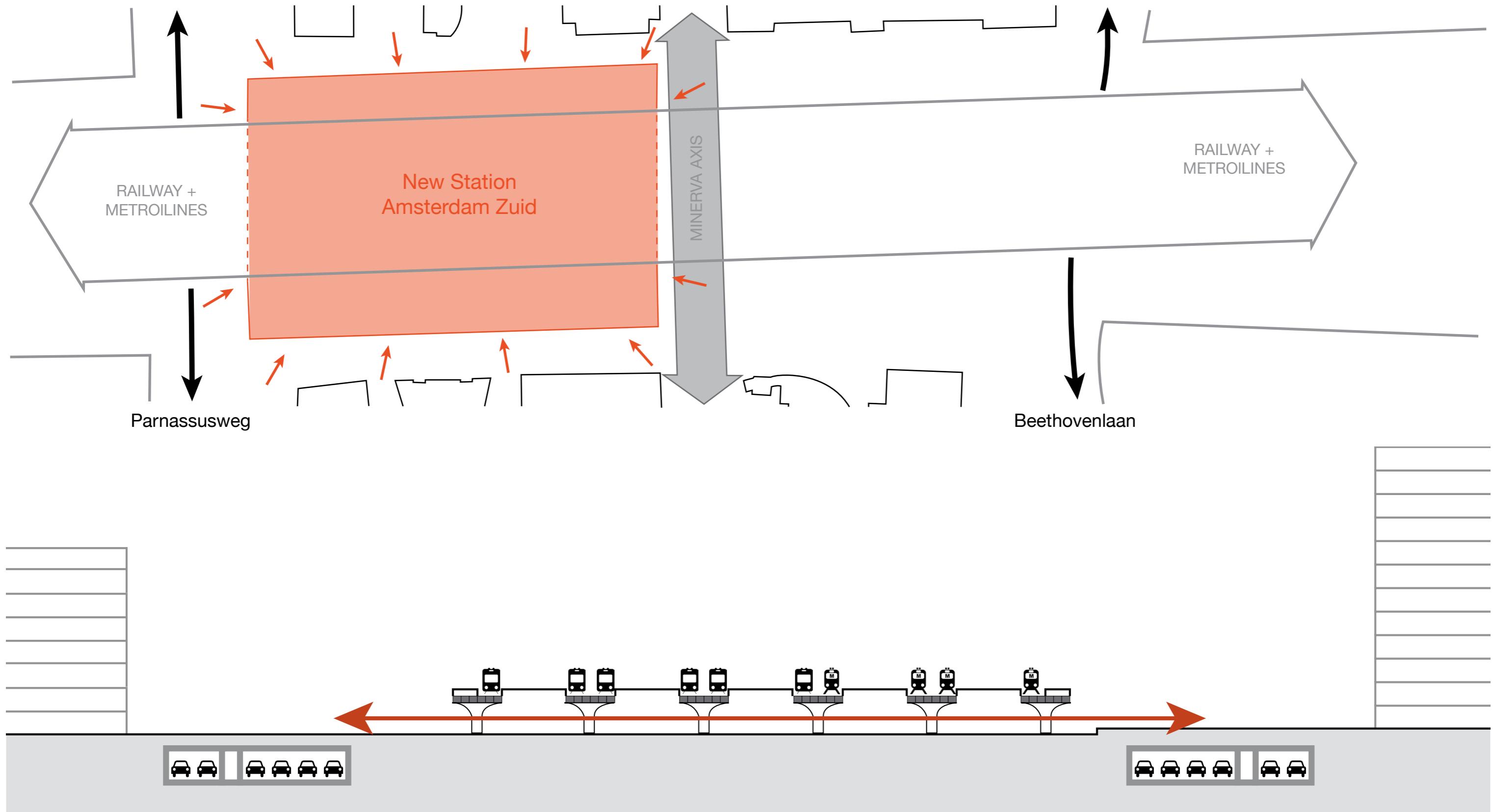
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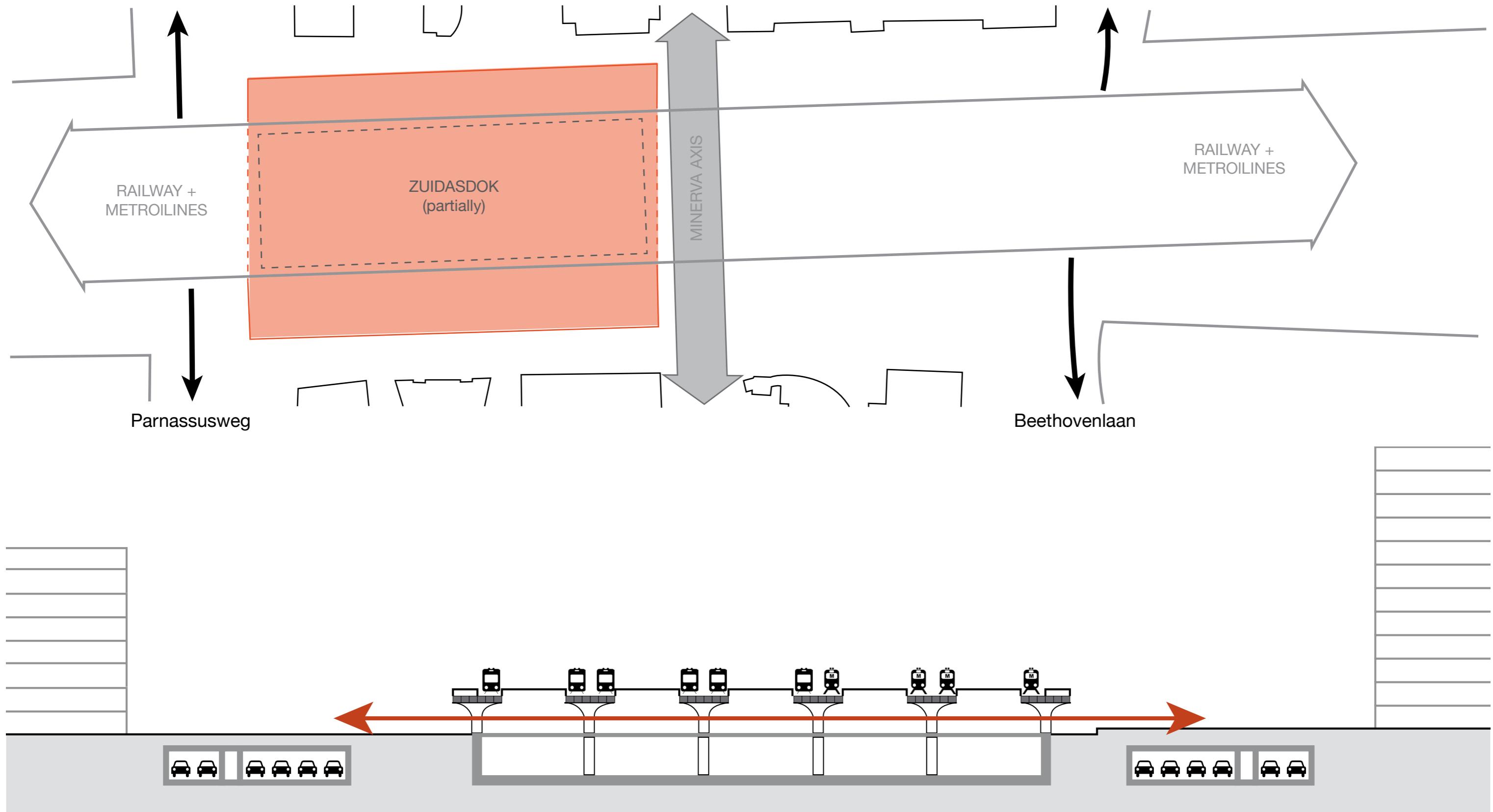
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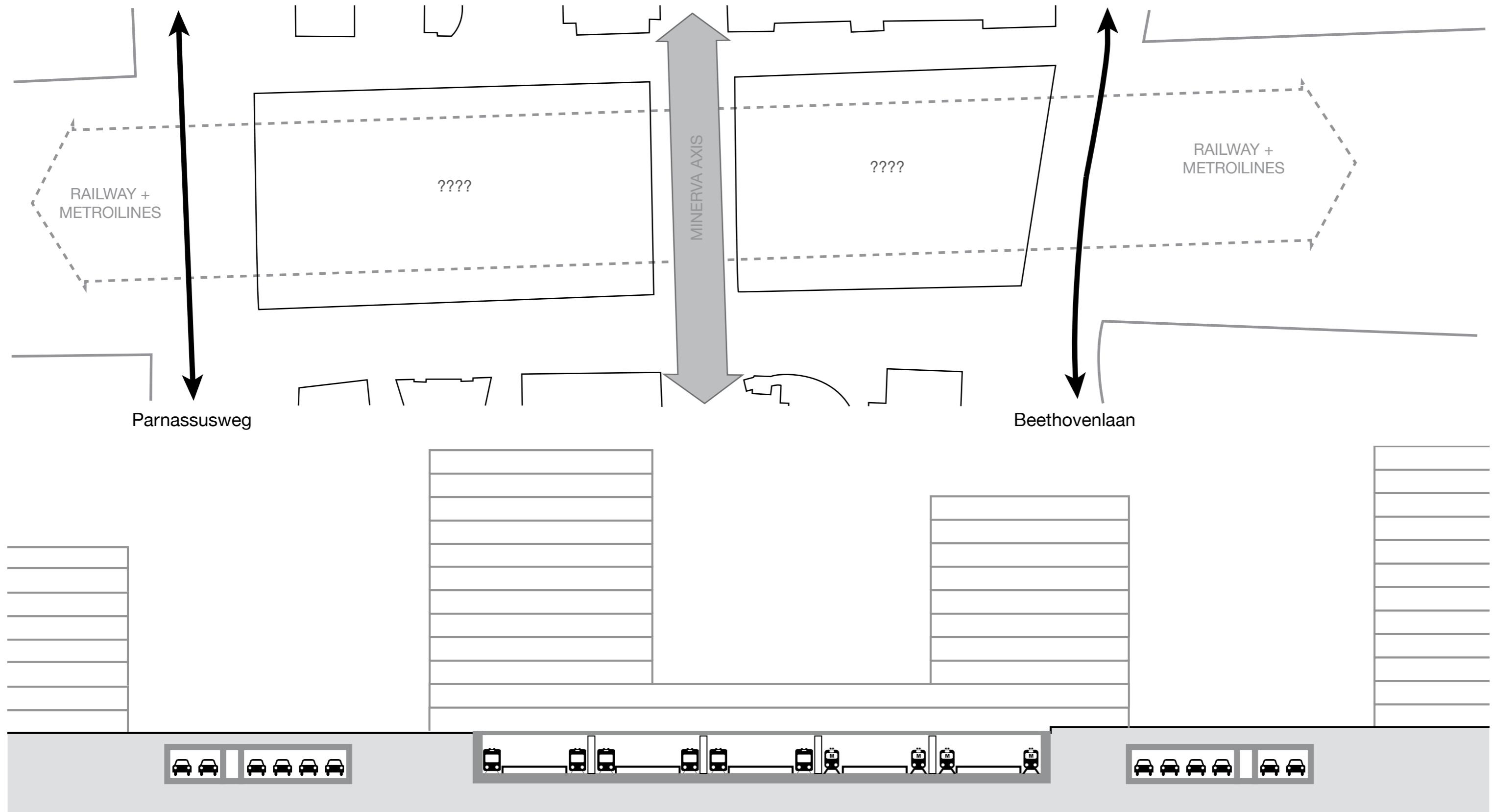
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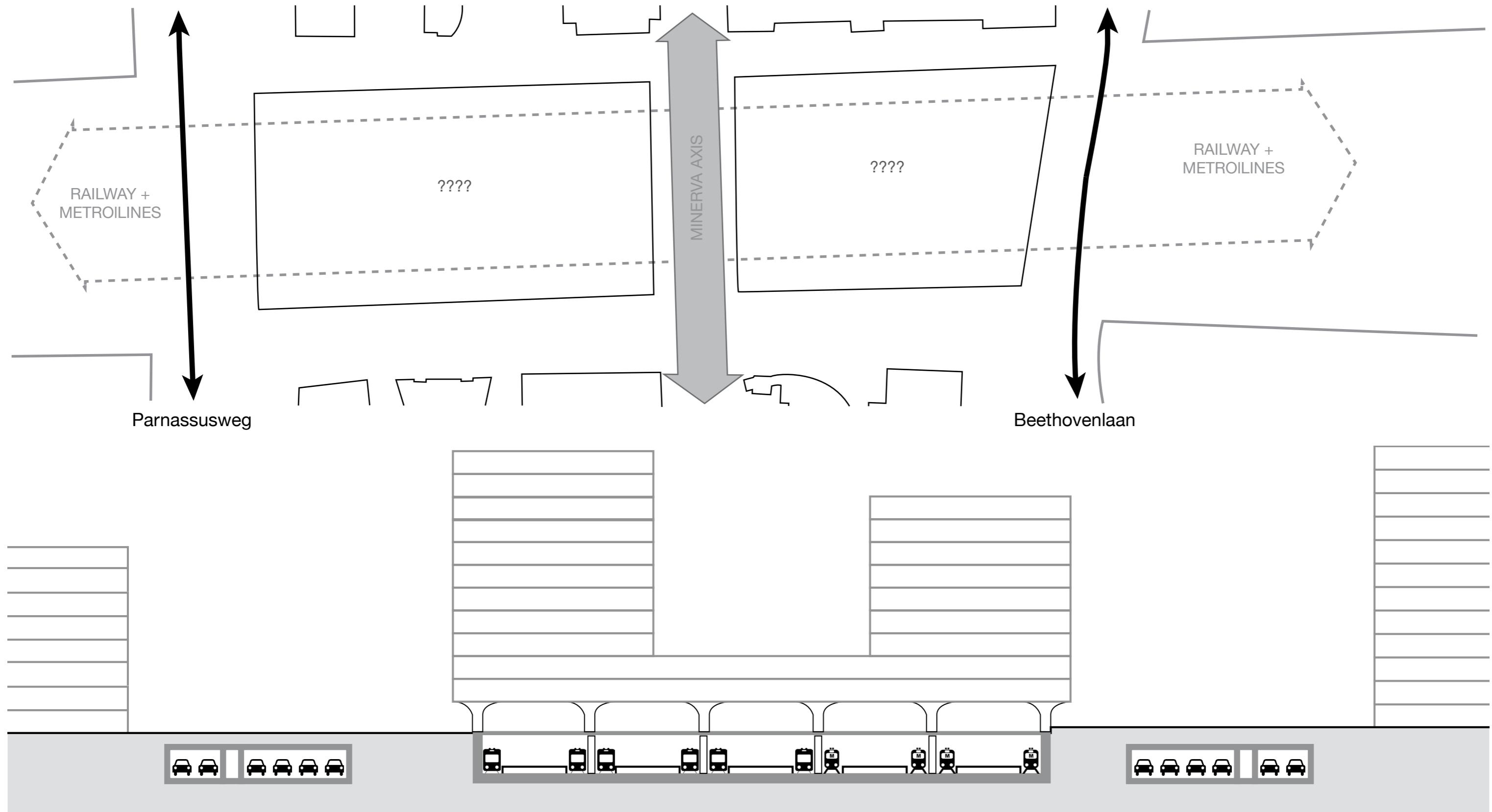
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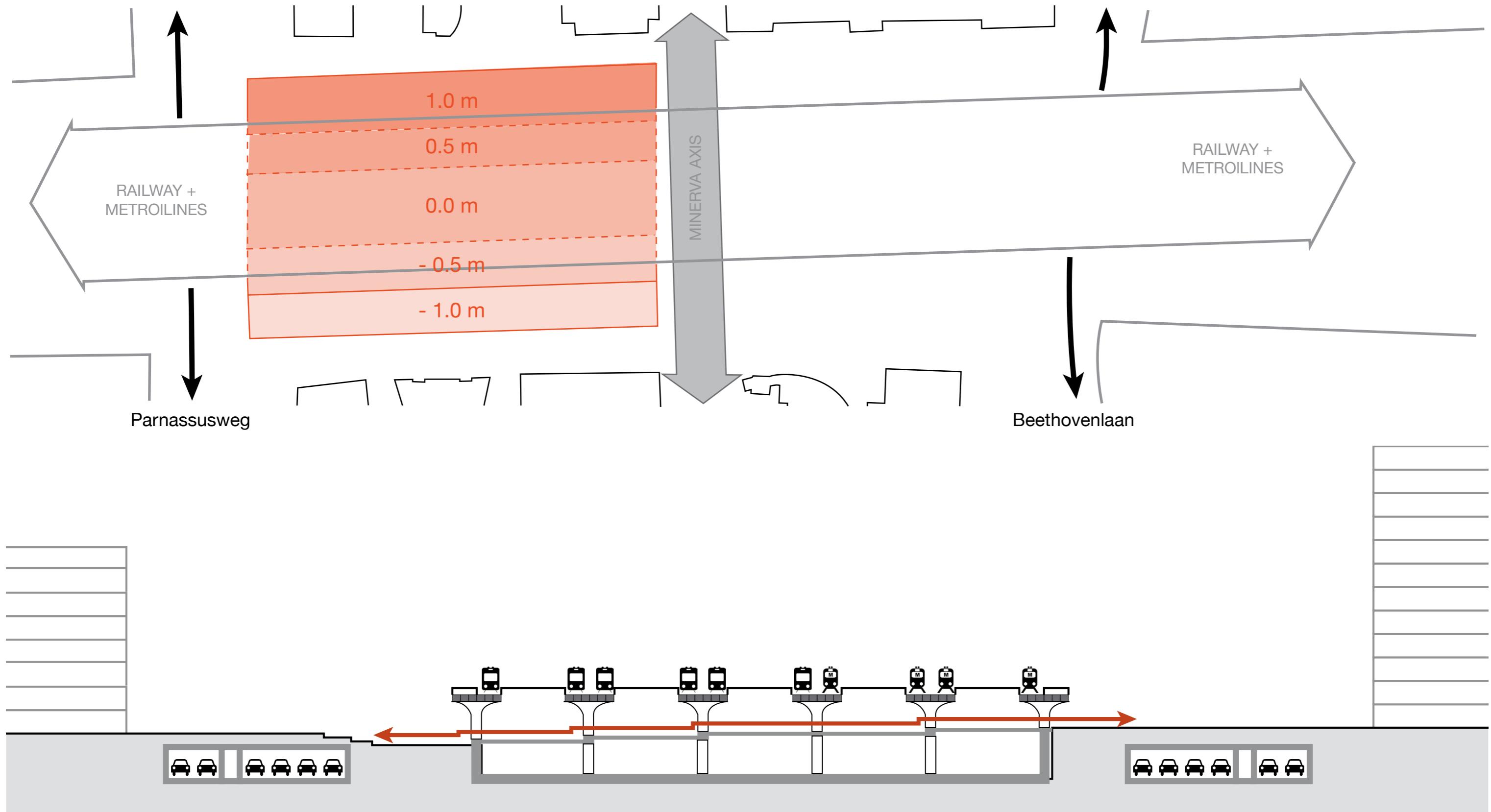
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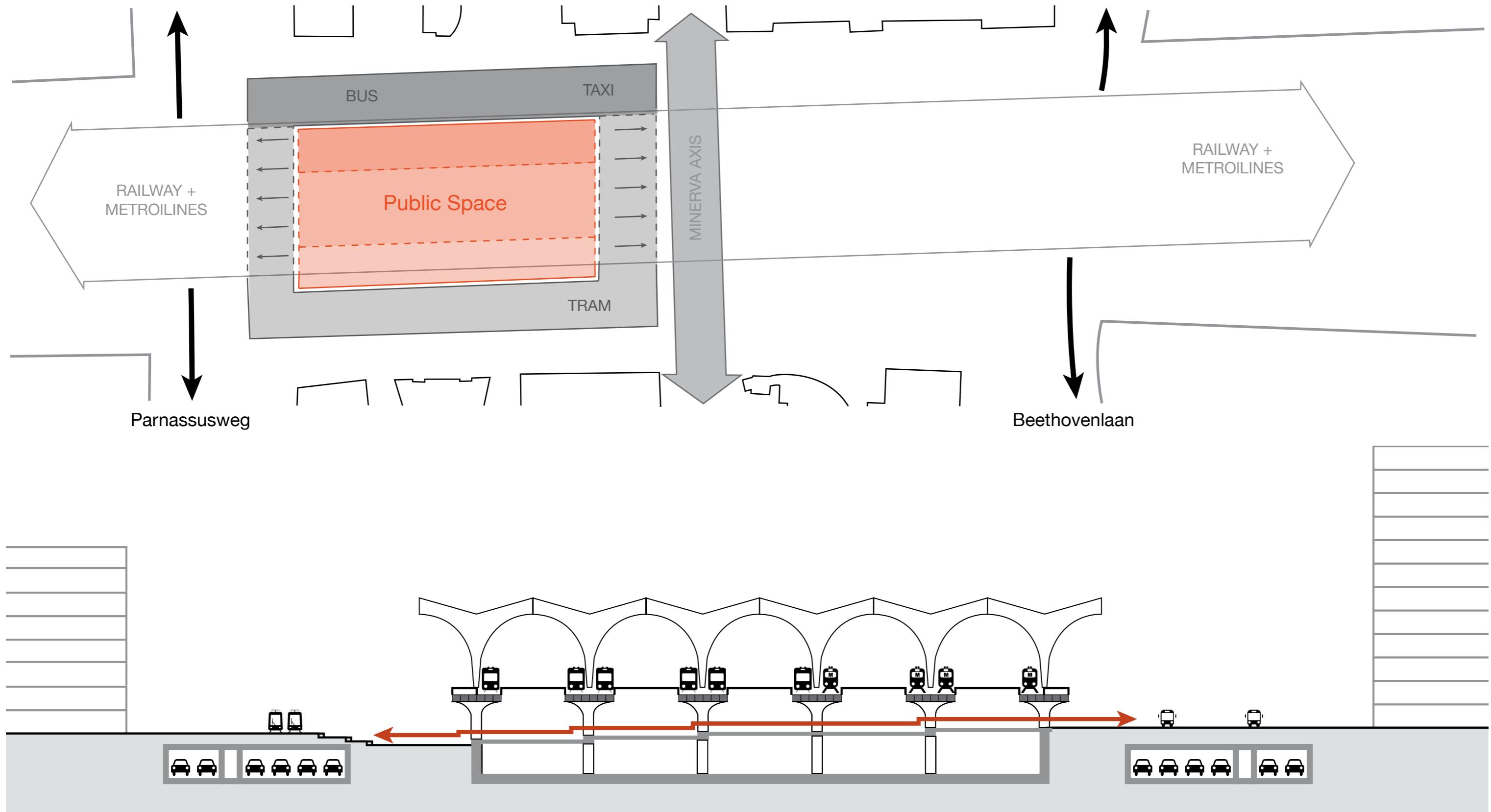
# CONCEPT | Urban plan



# CONCEPT | Urban plan



# CONCEPT | Urban plan



# DESIGN | structure



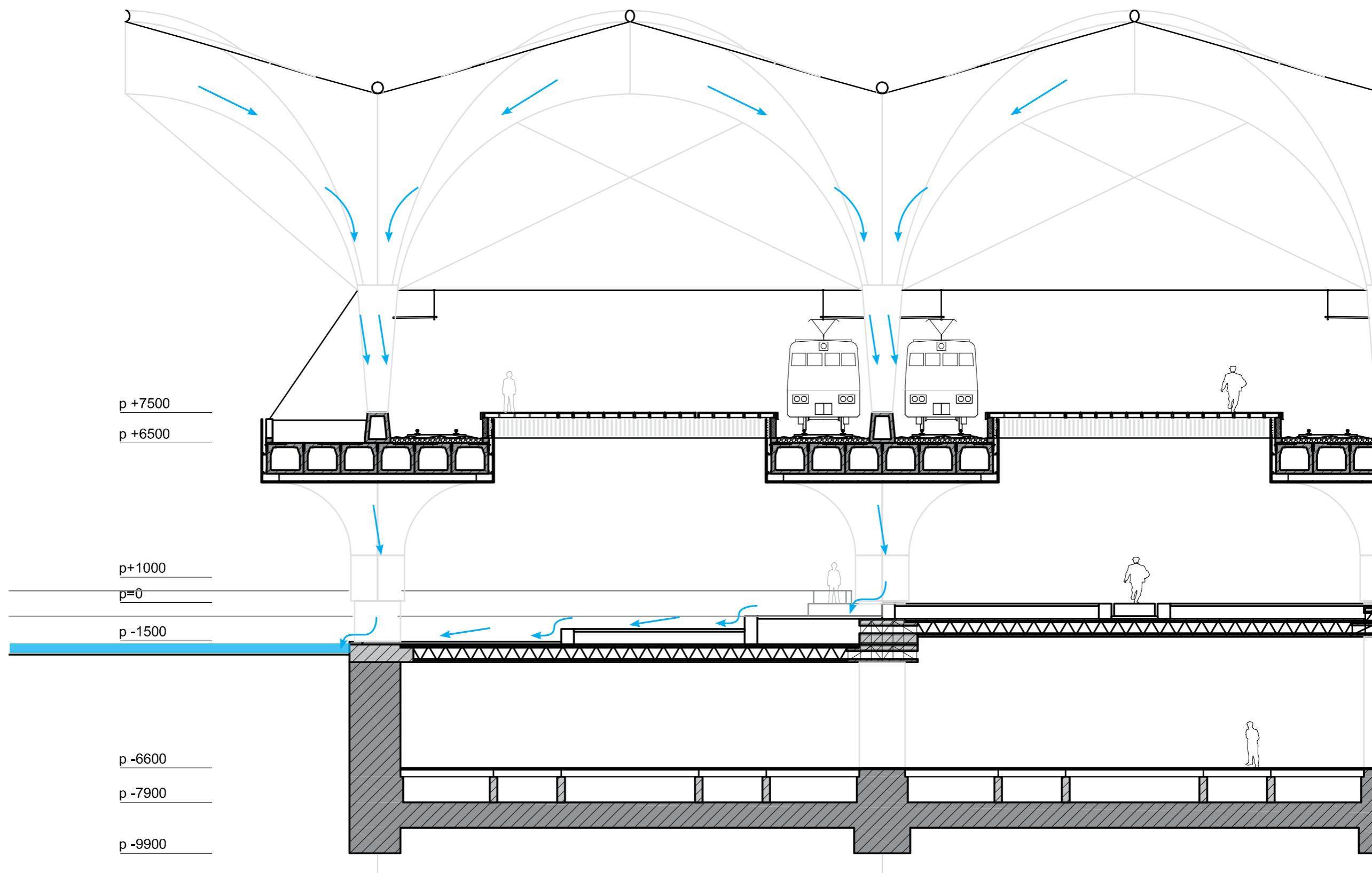
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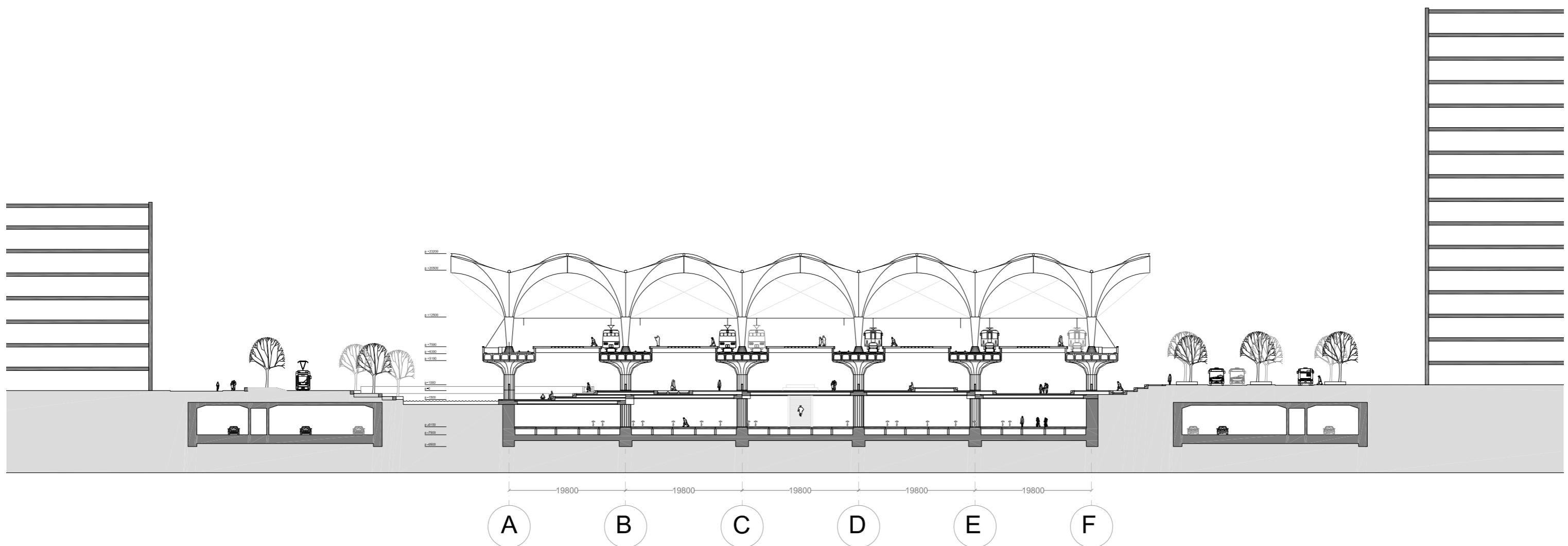
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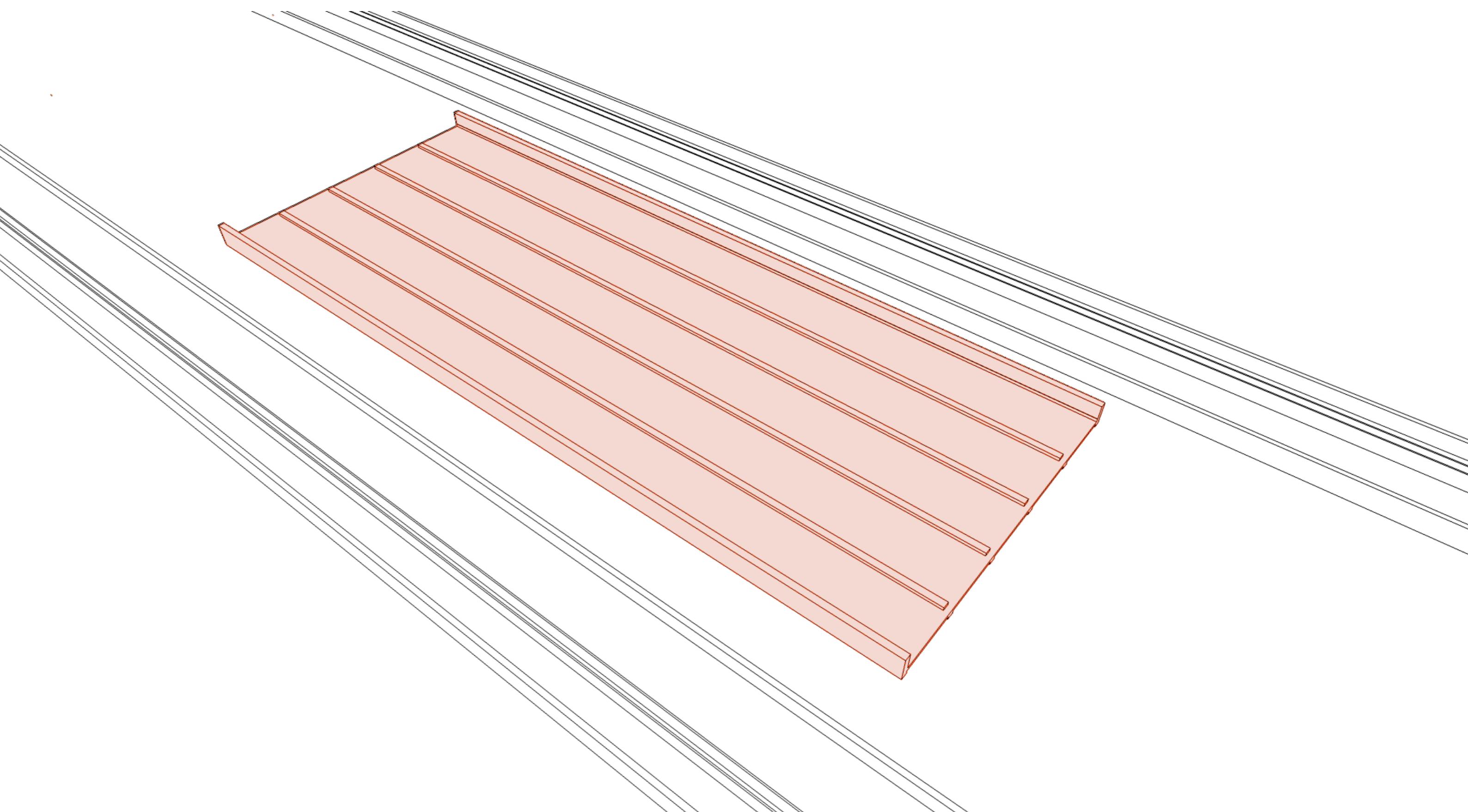
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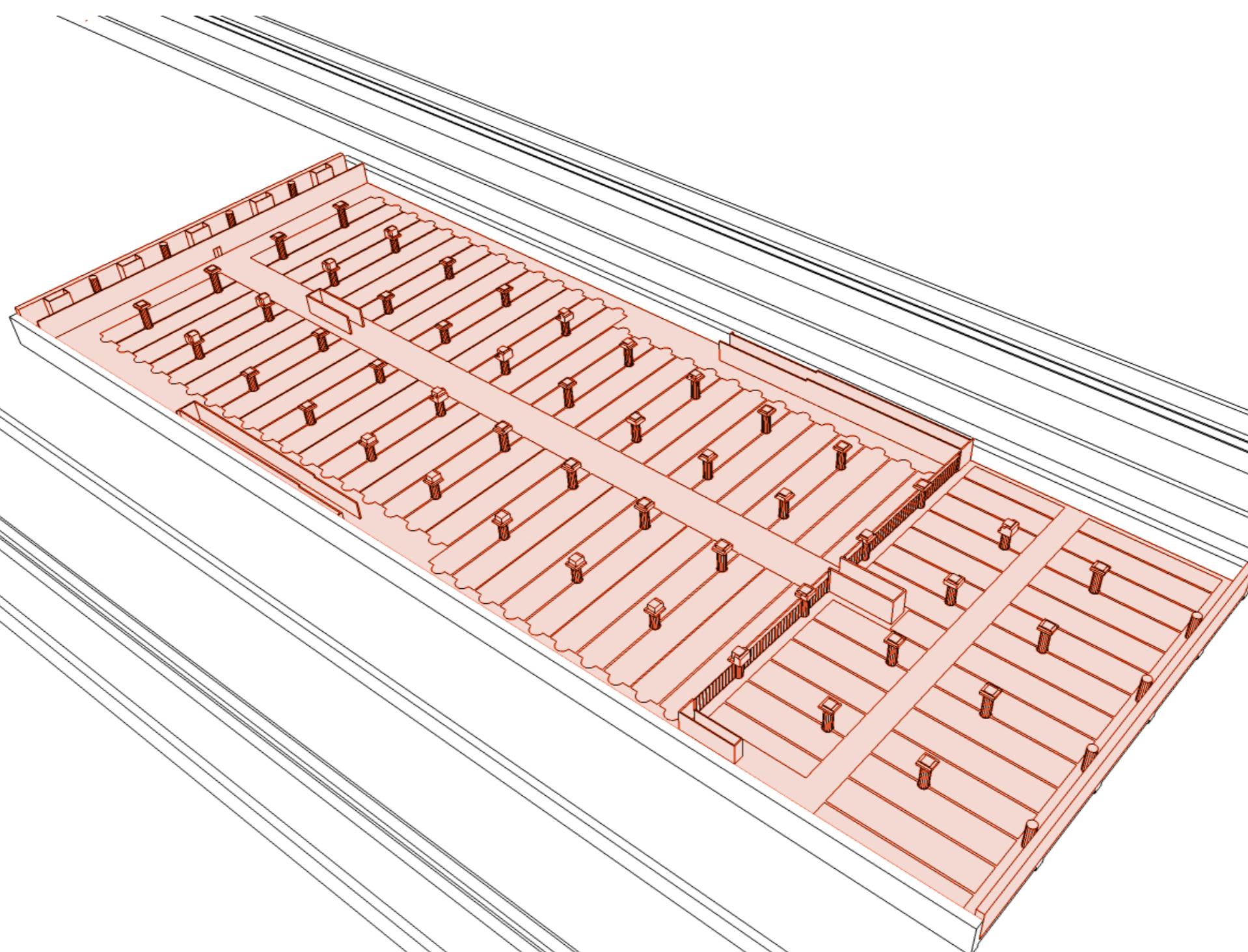
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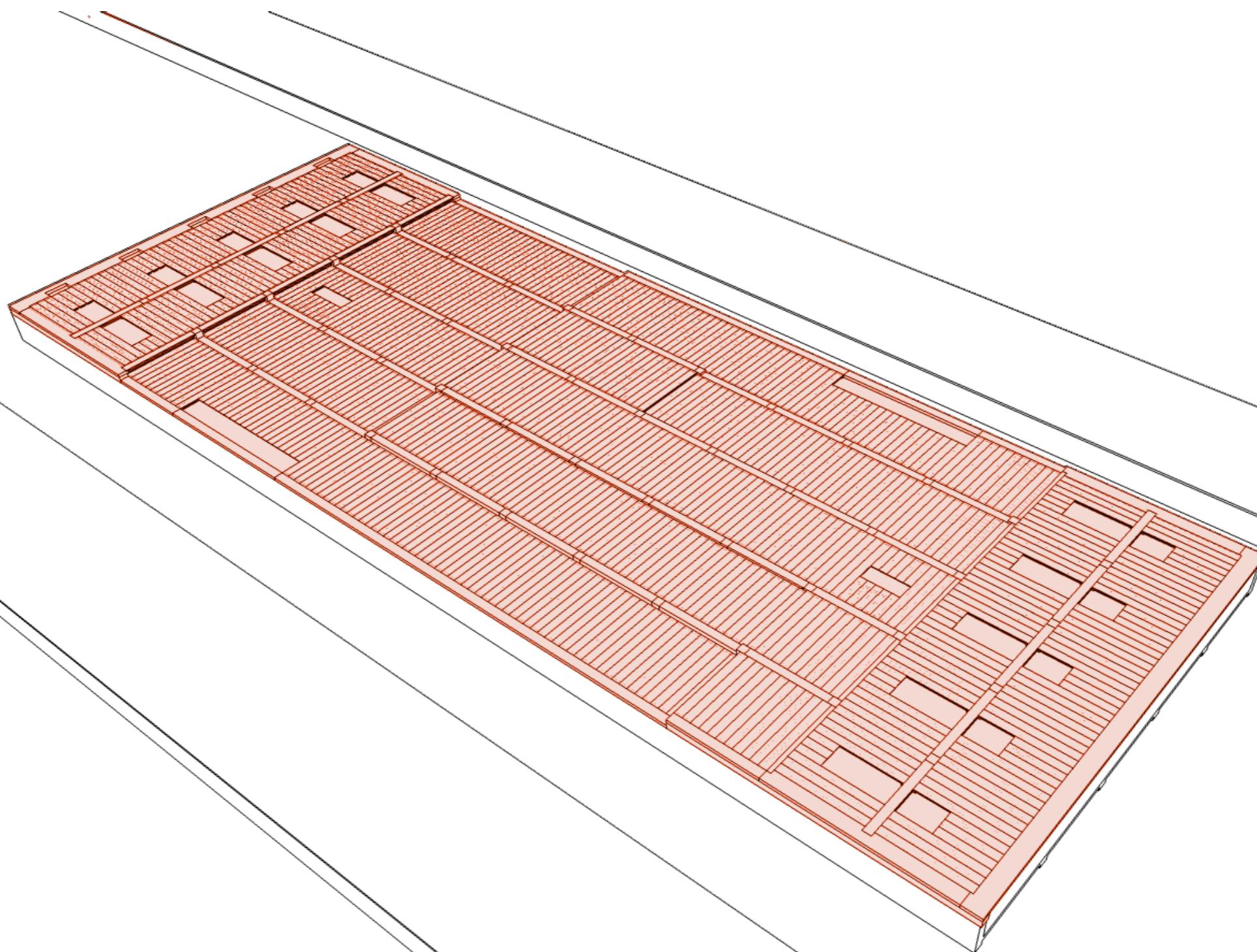
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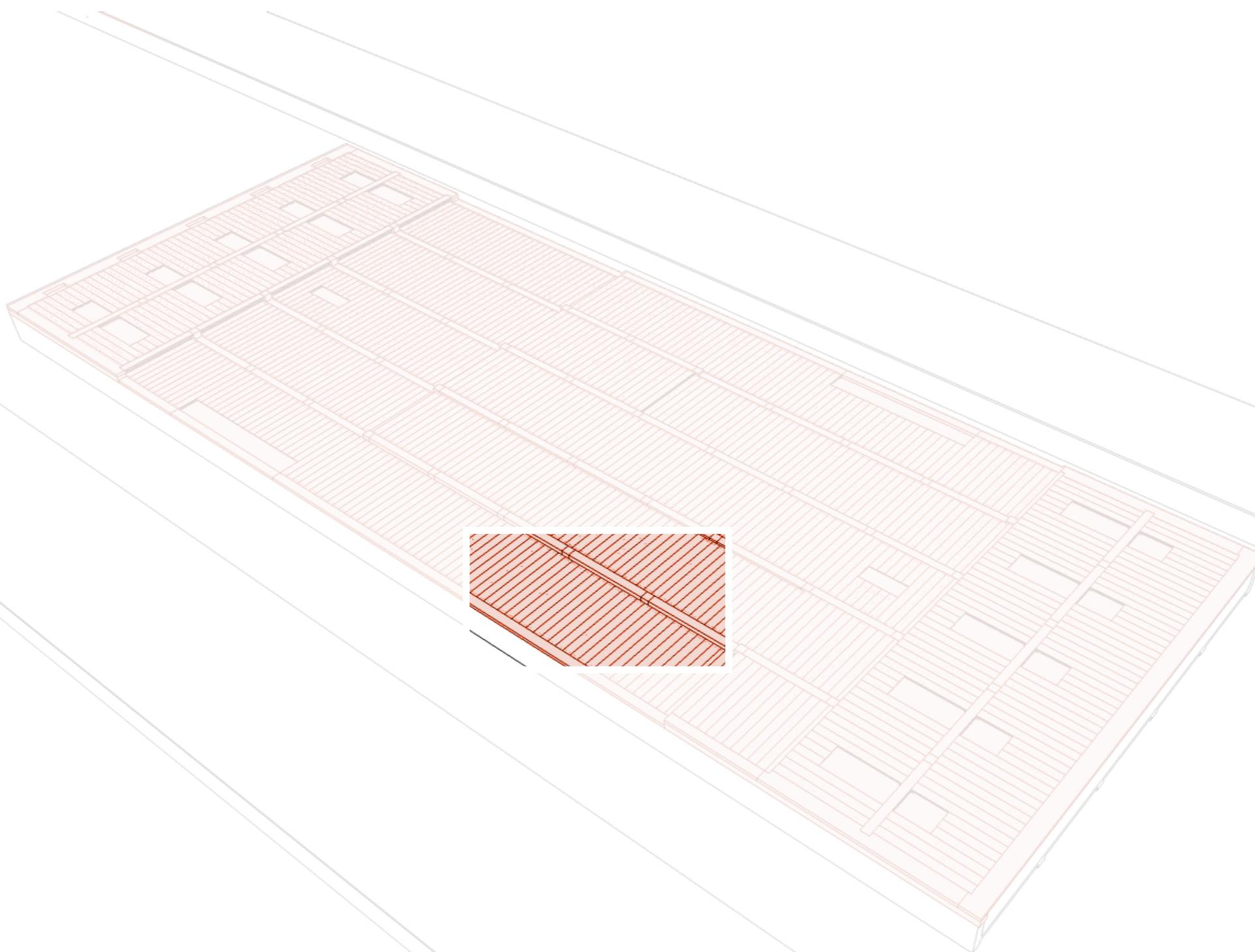
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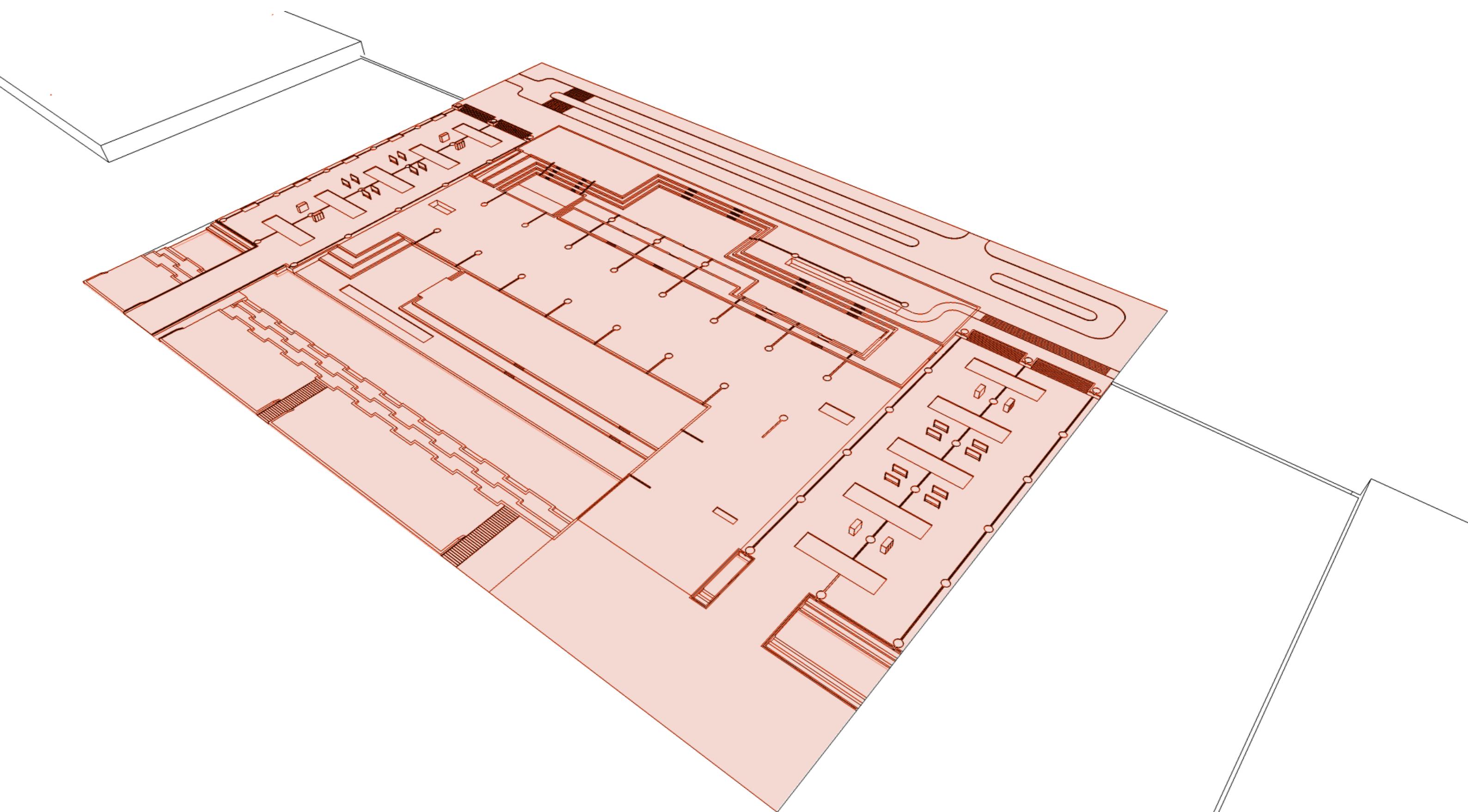
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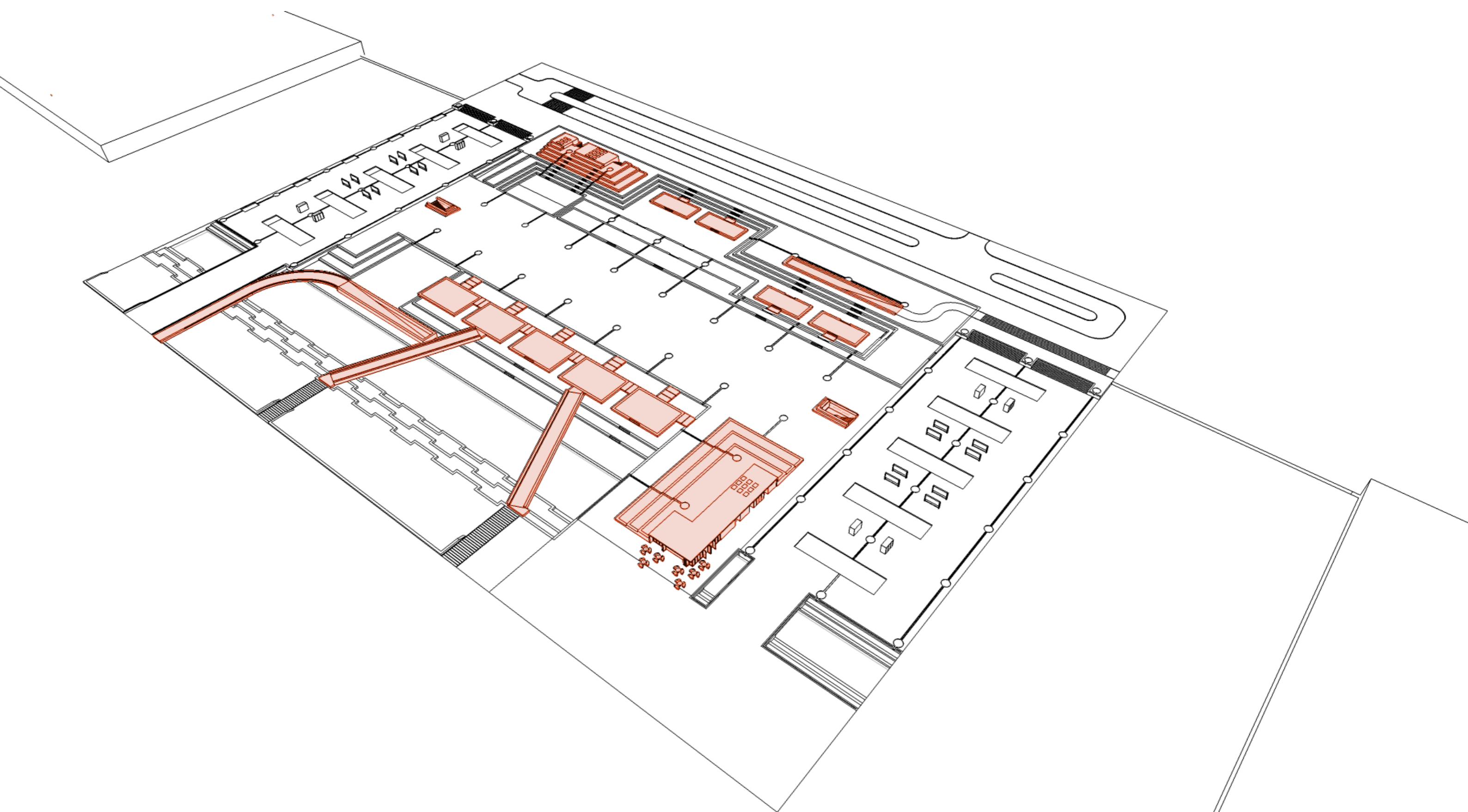
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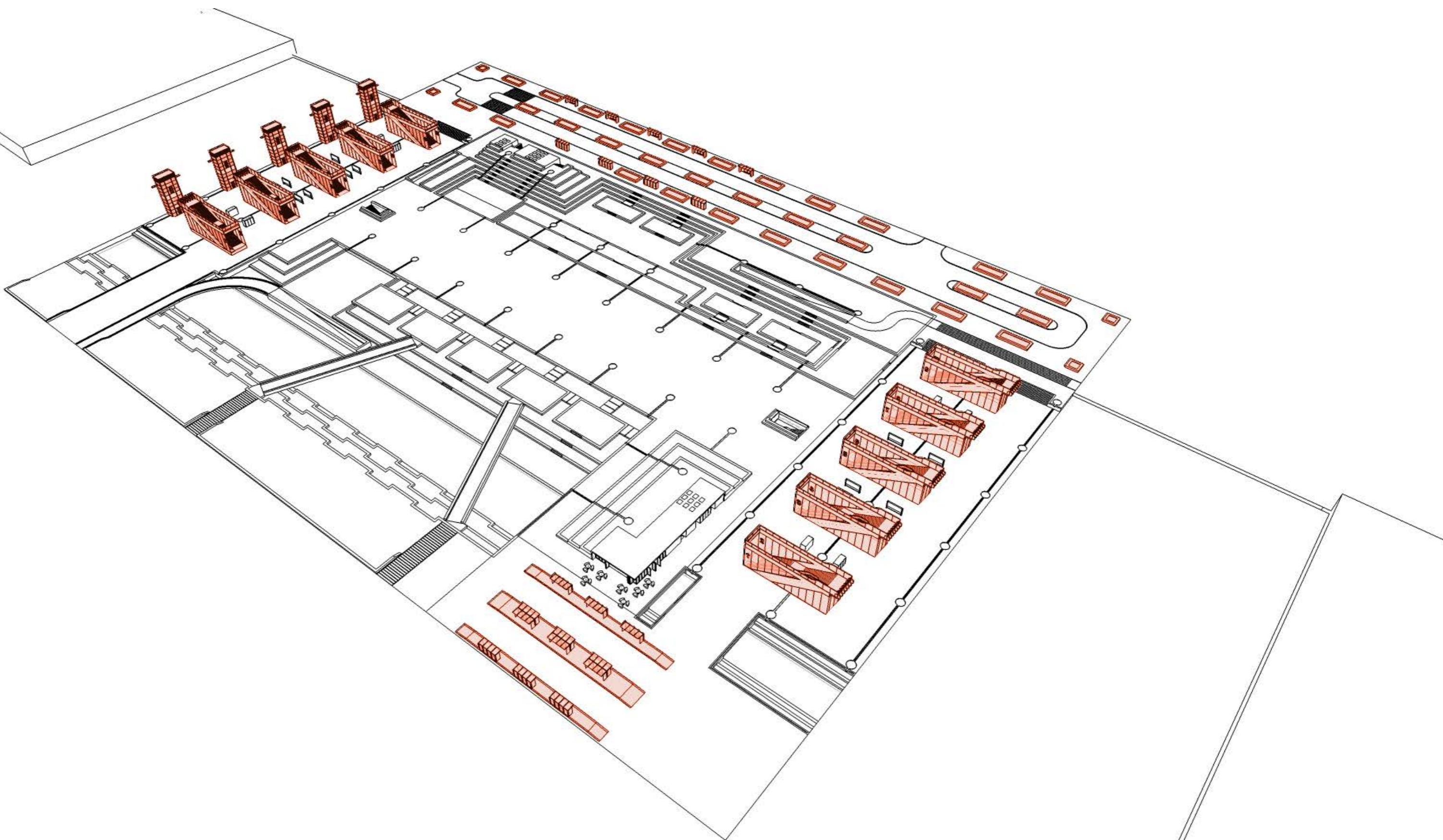
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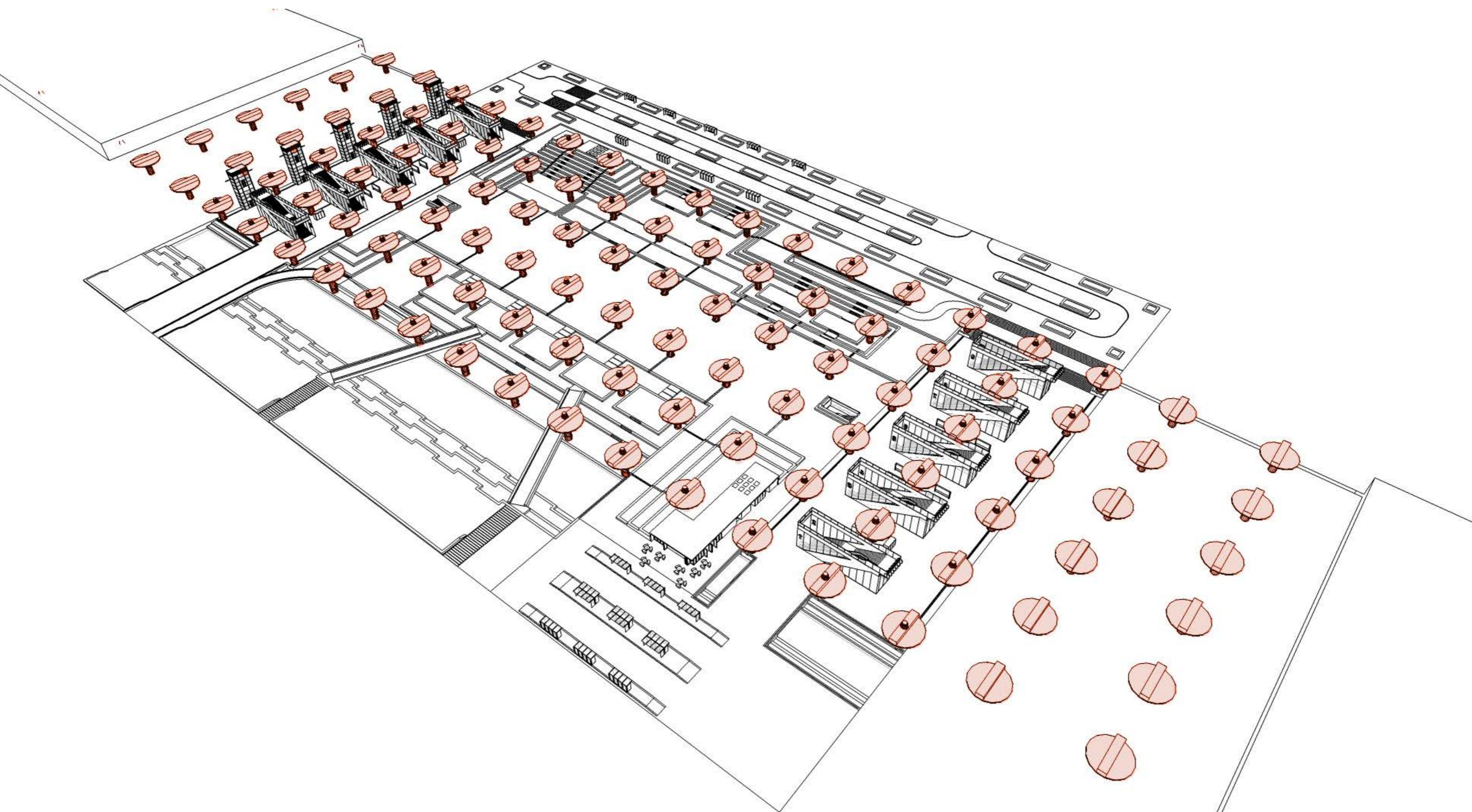
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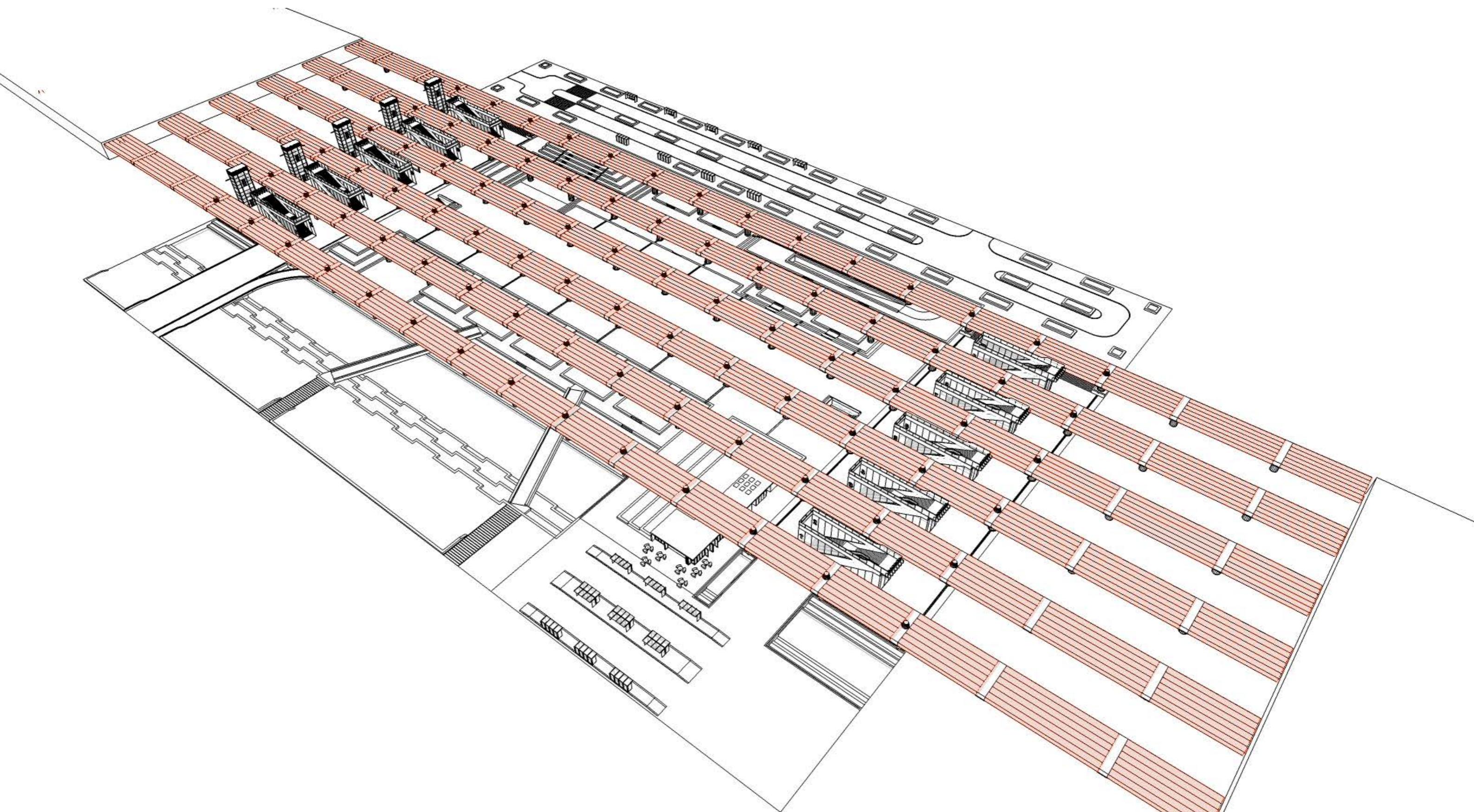
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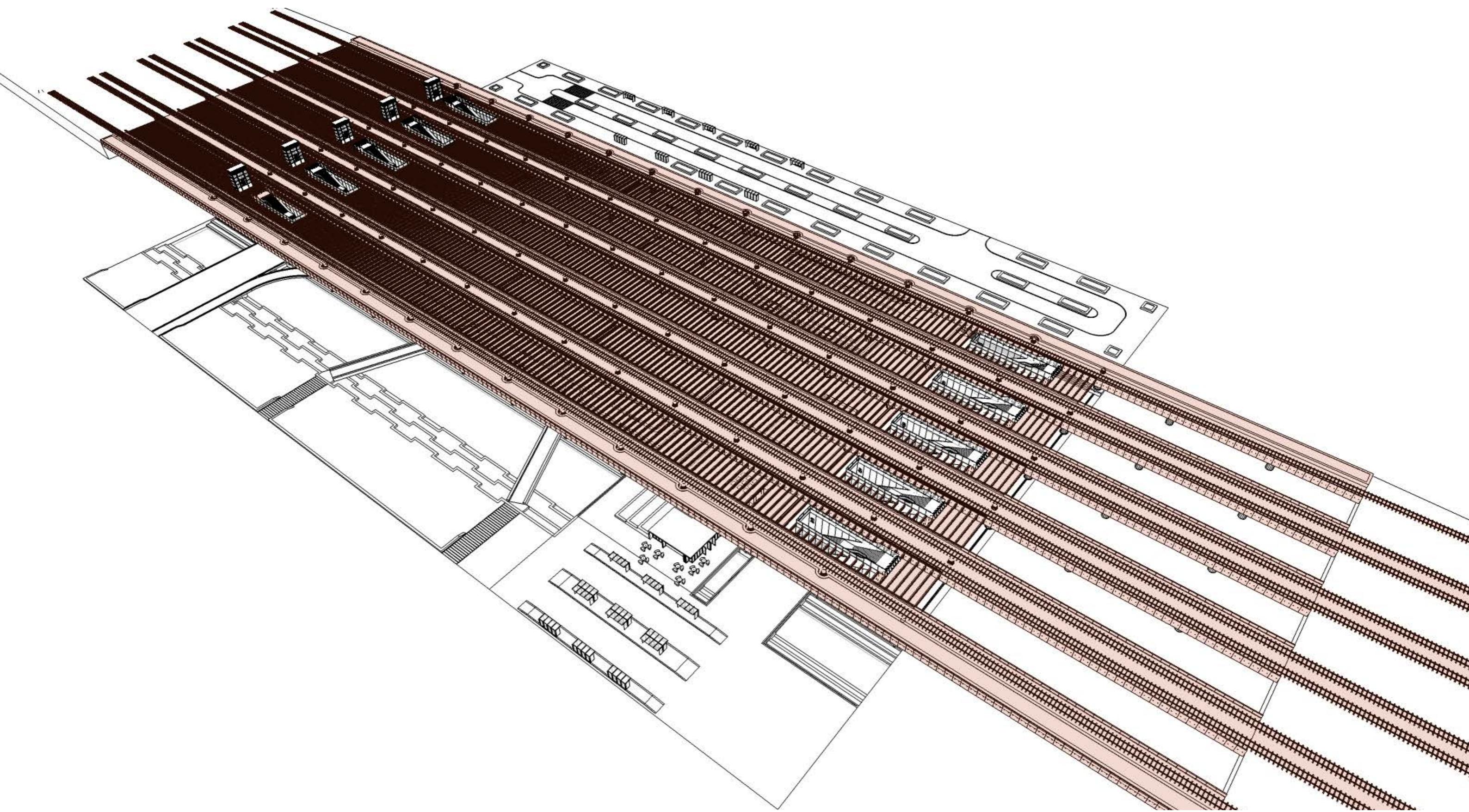
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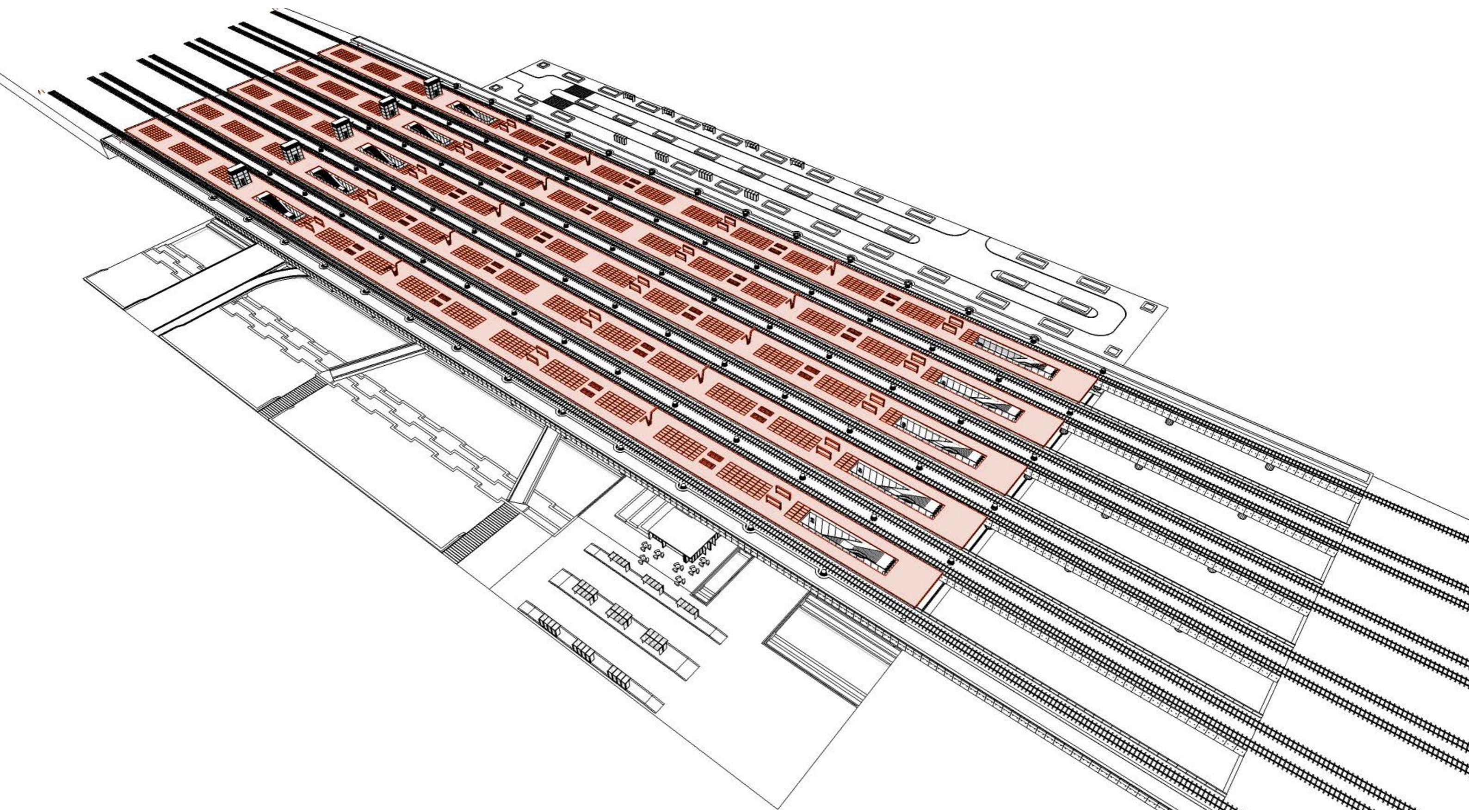
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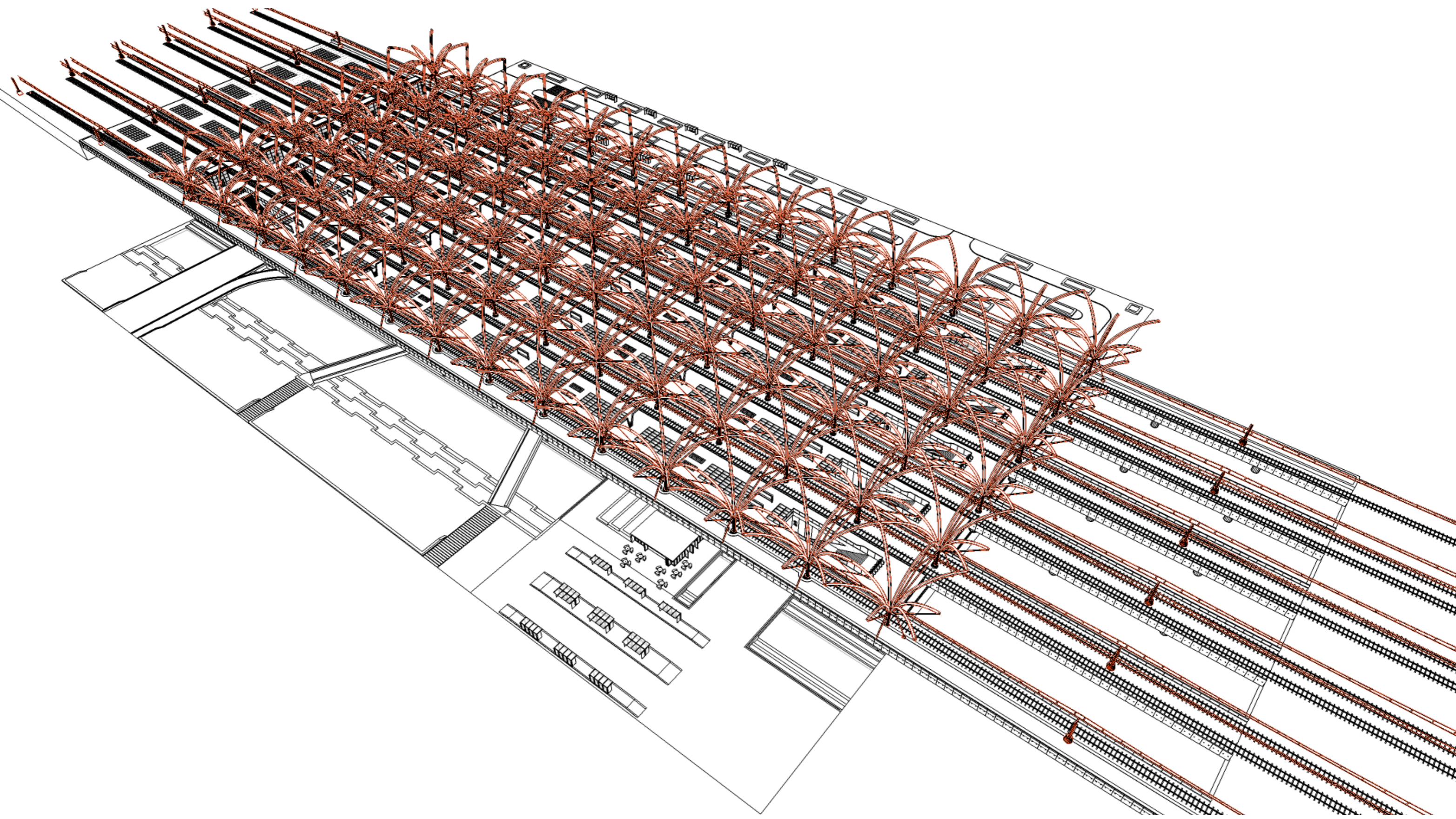
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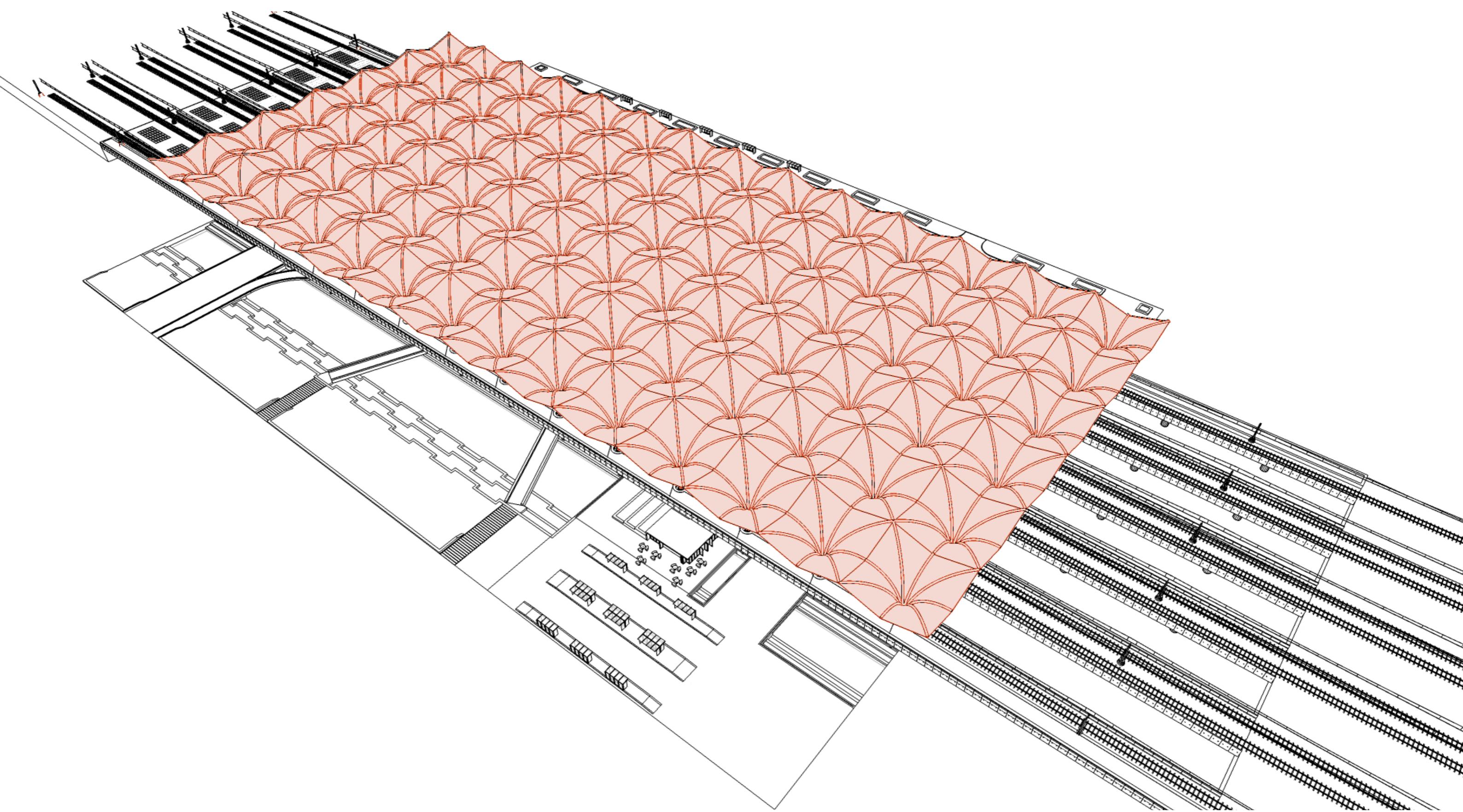
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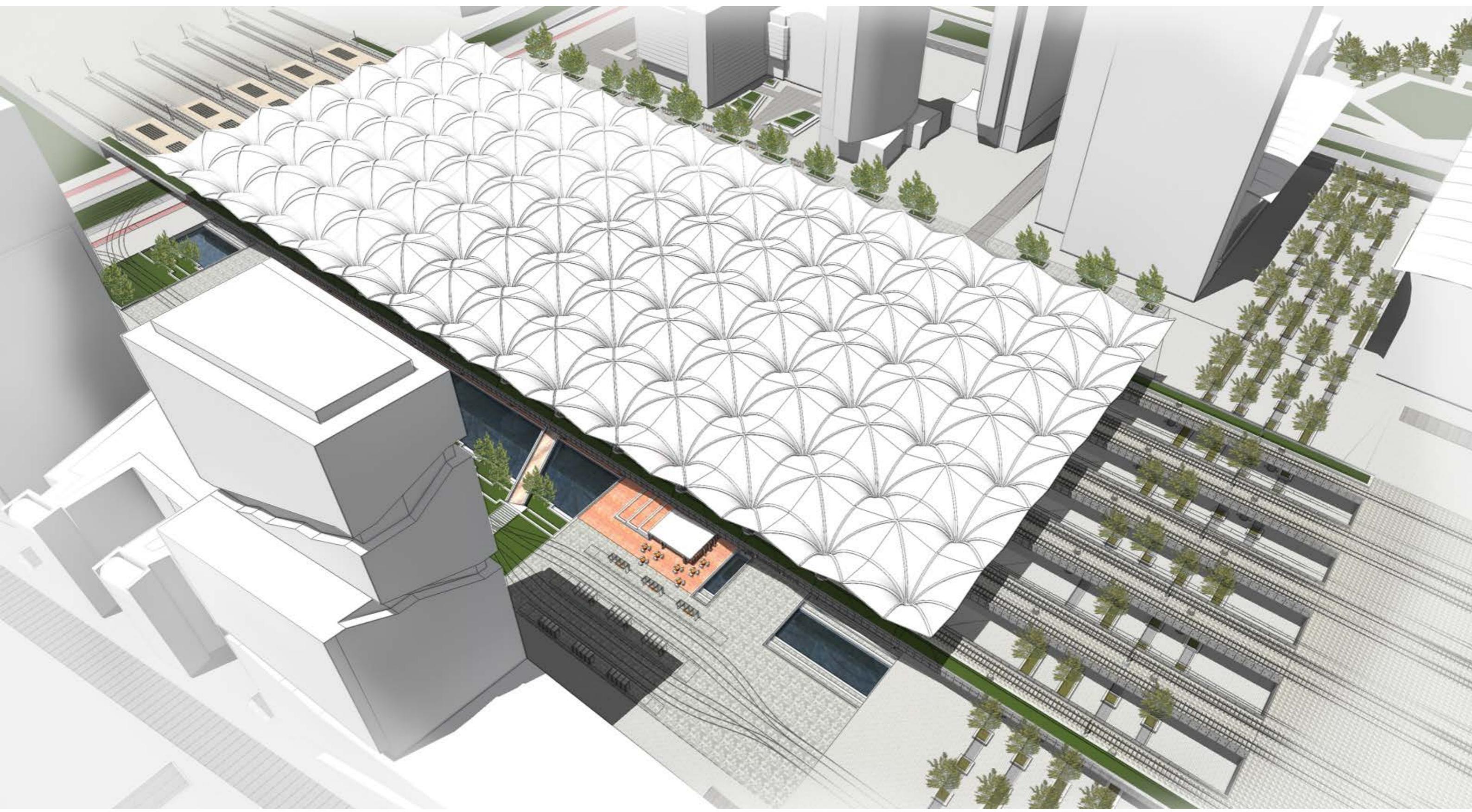
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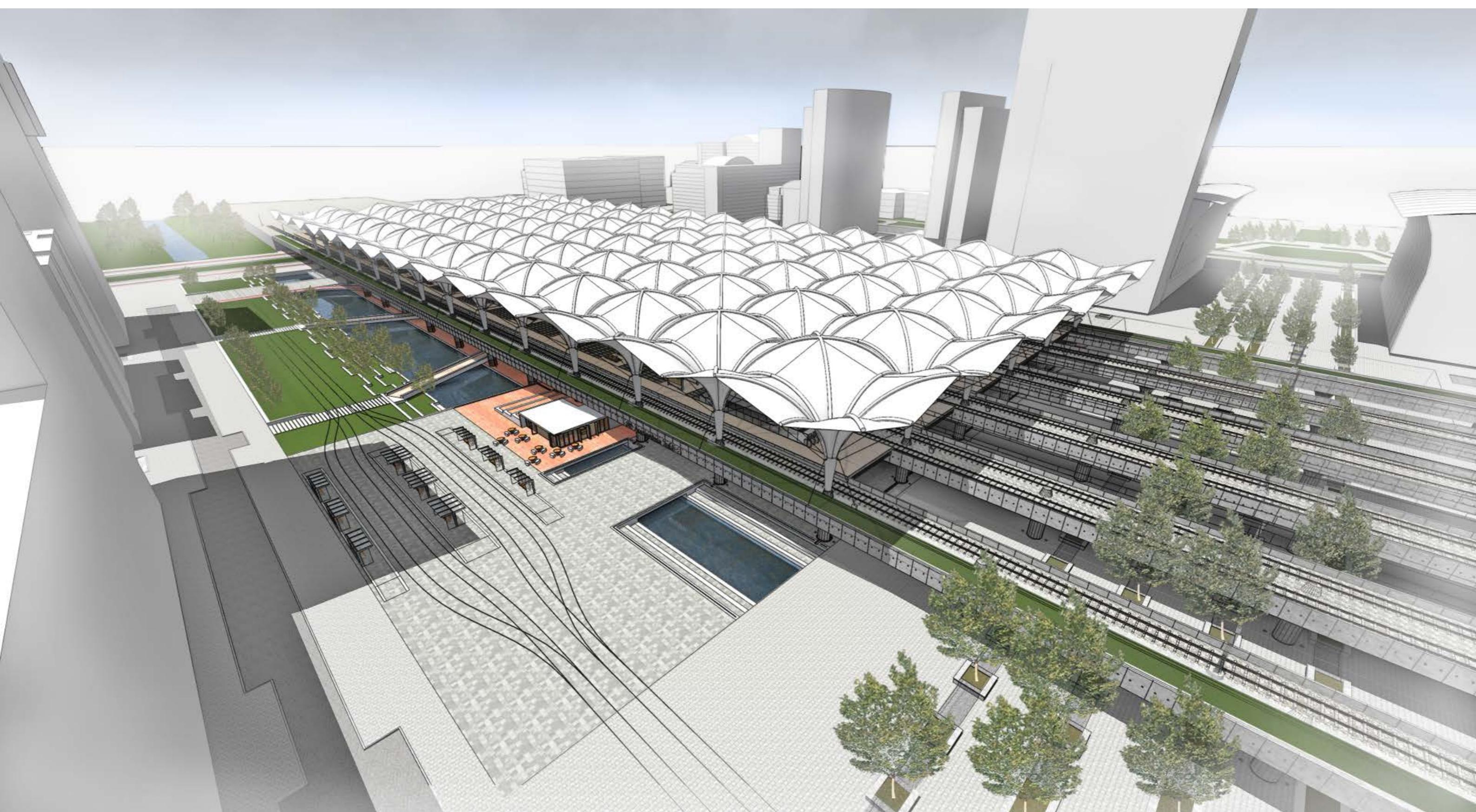
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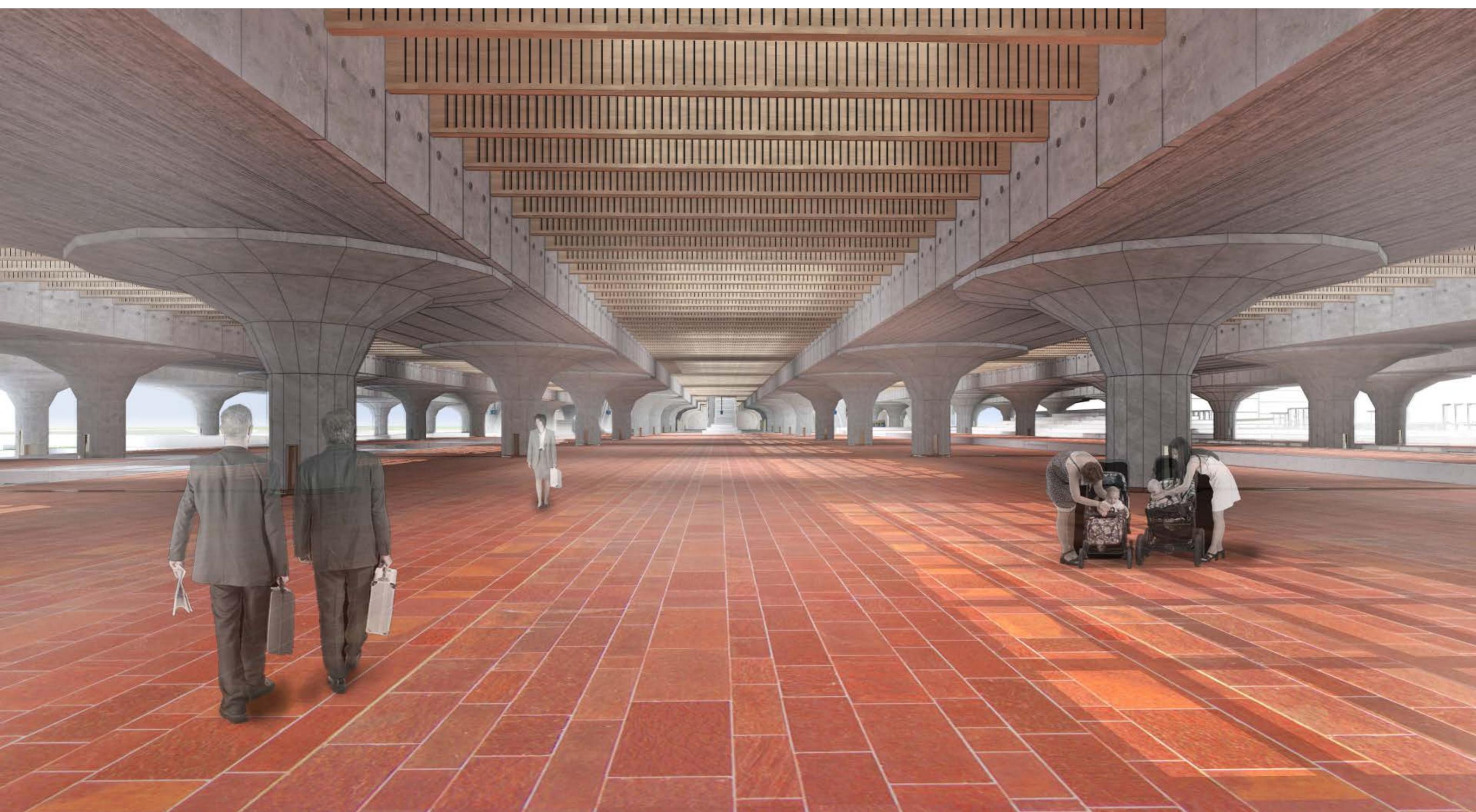
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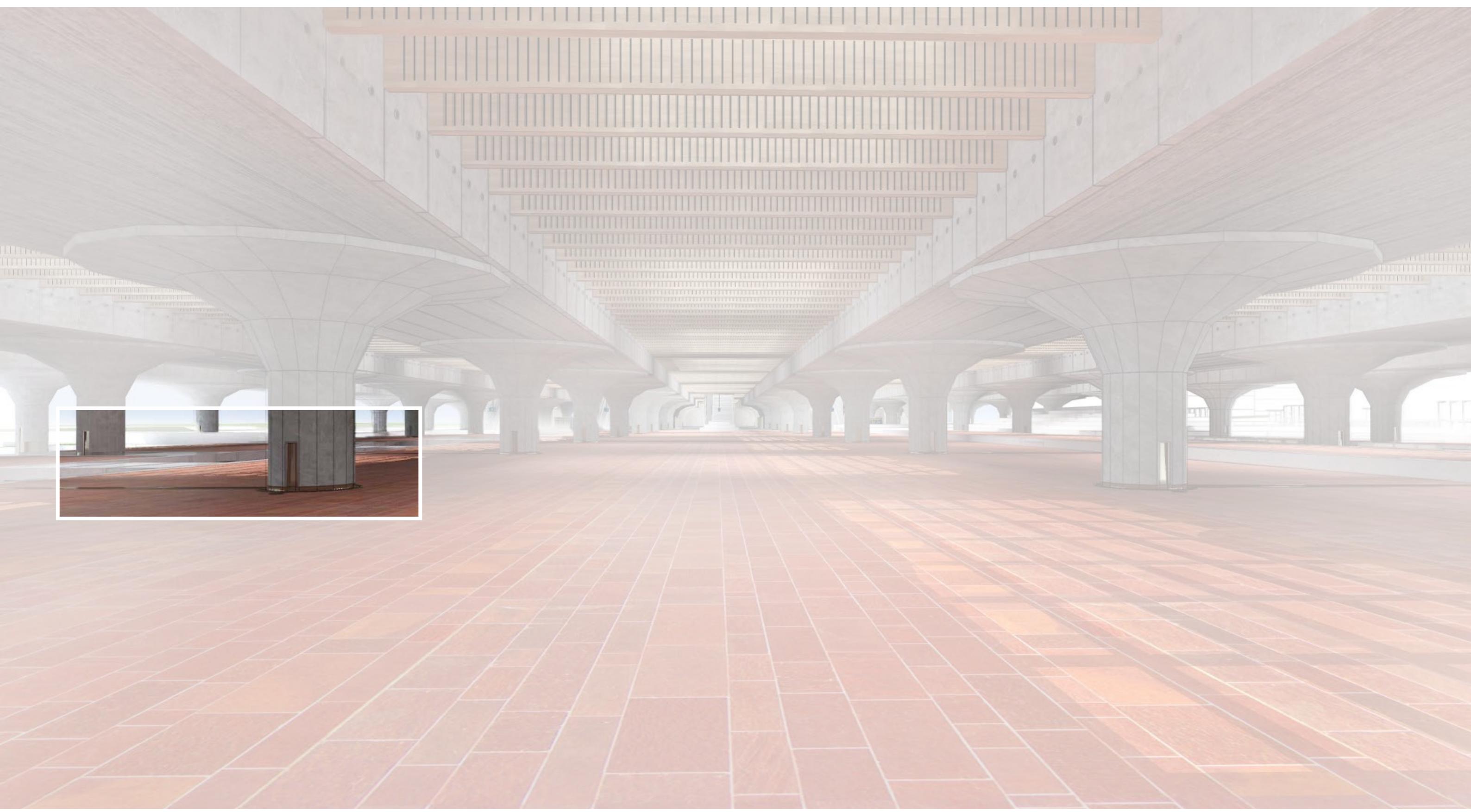
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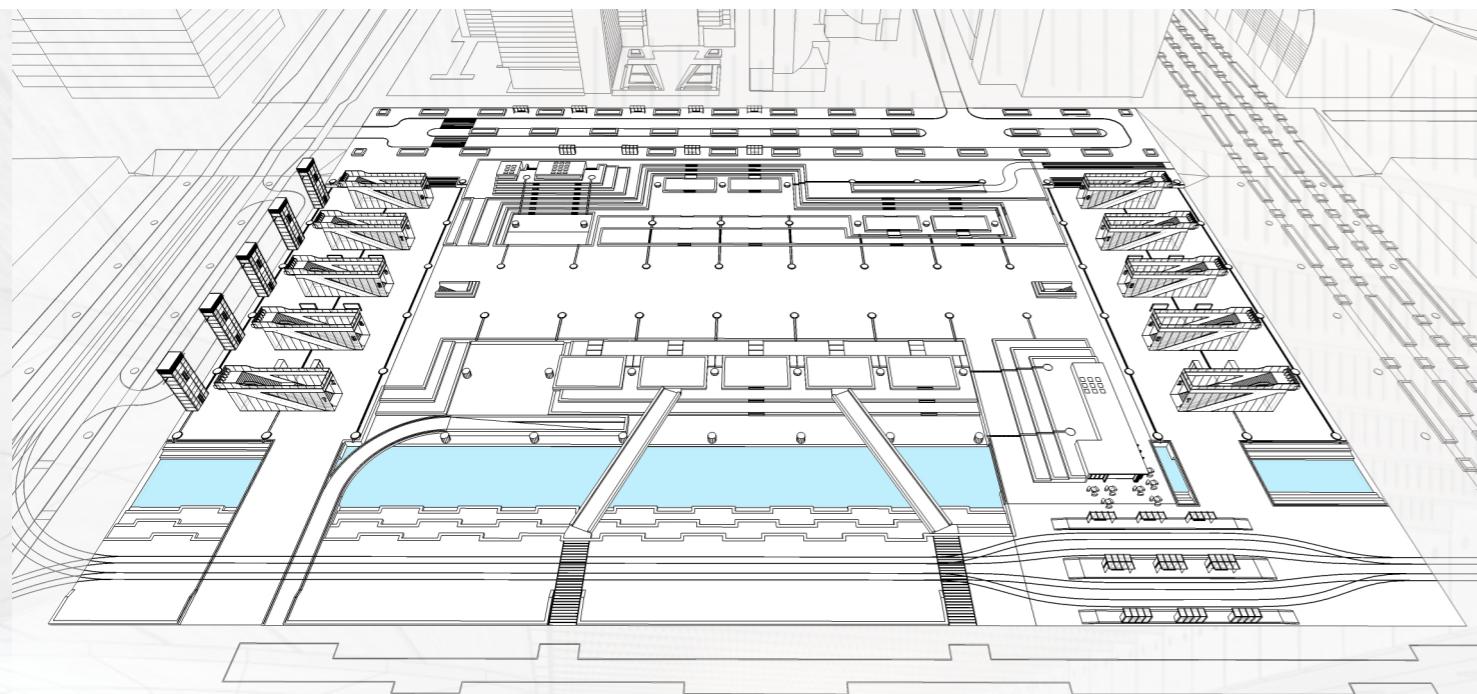
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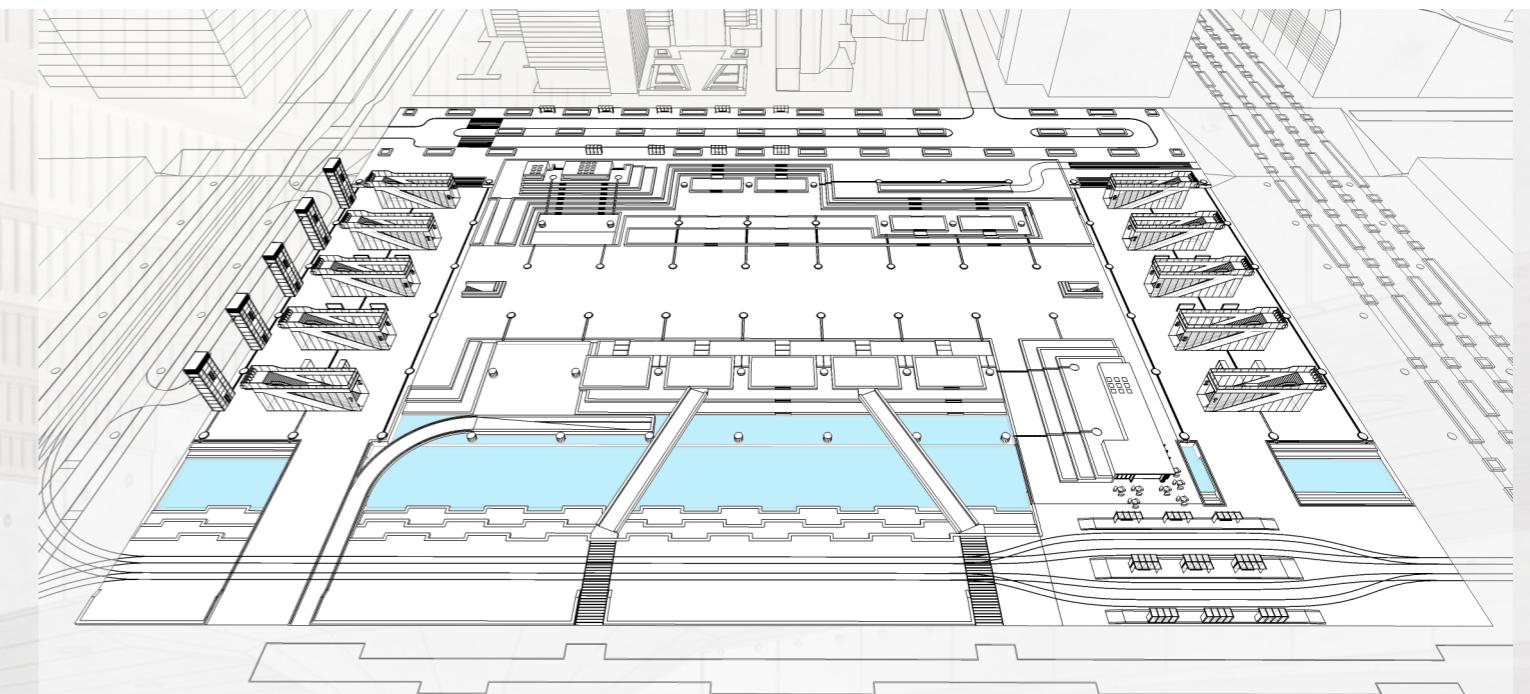
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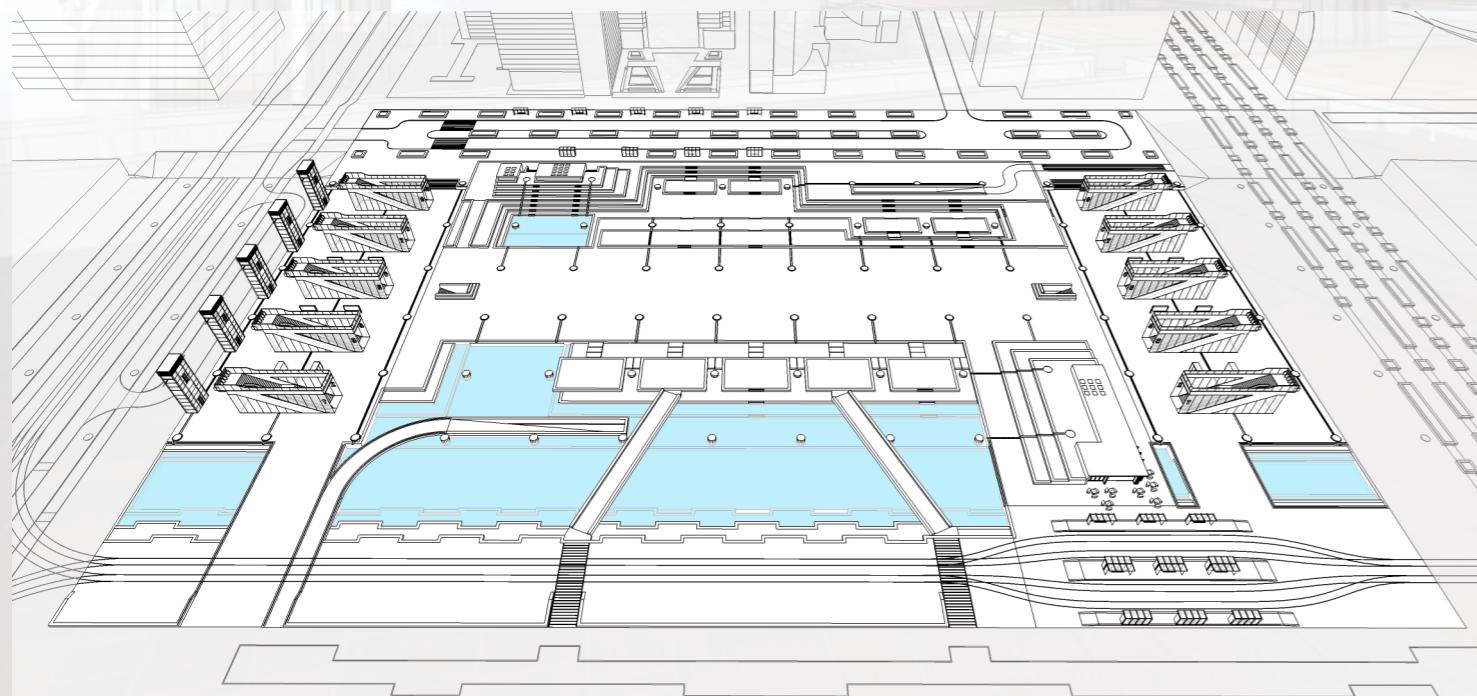
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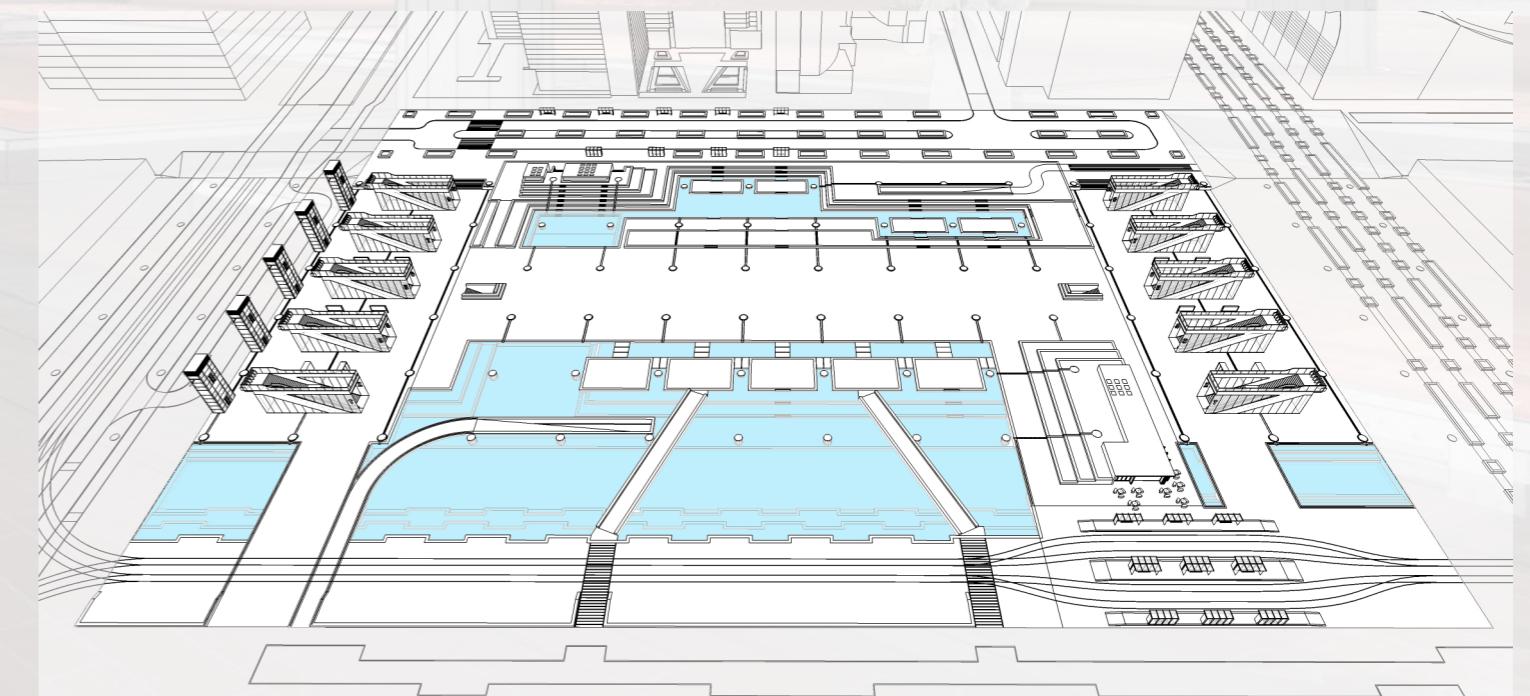
Water level



Water level + 500



Water level + 1000



Water level + 1500



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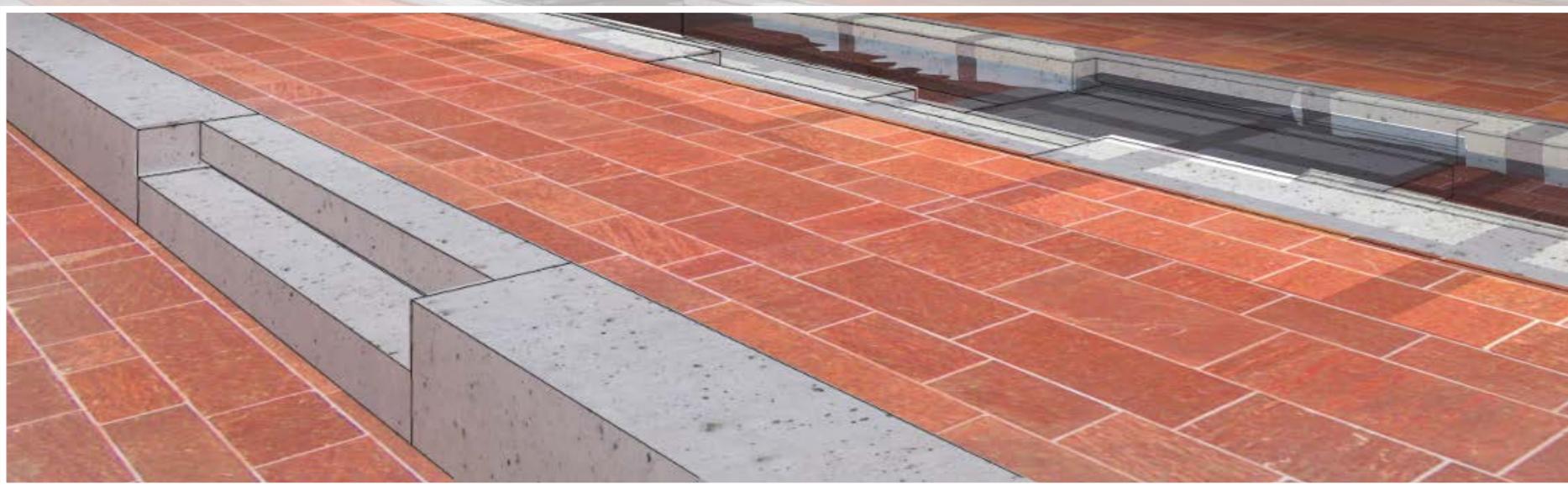
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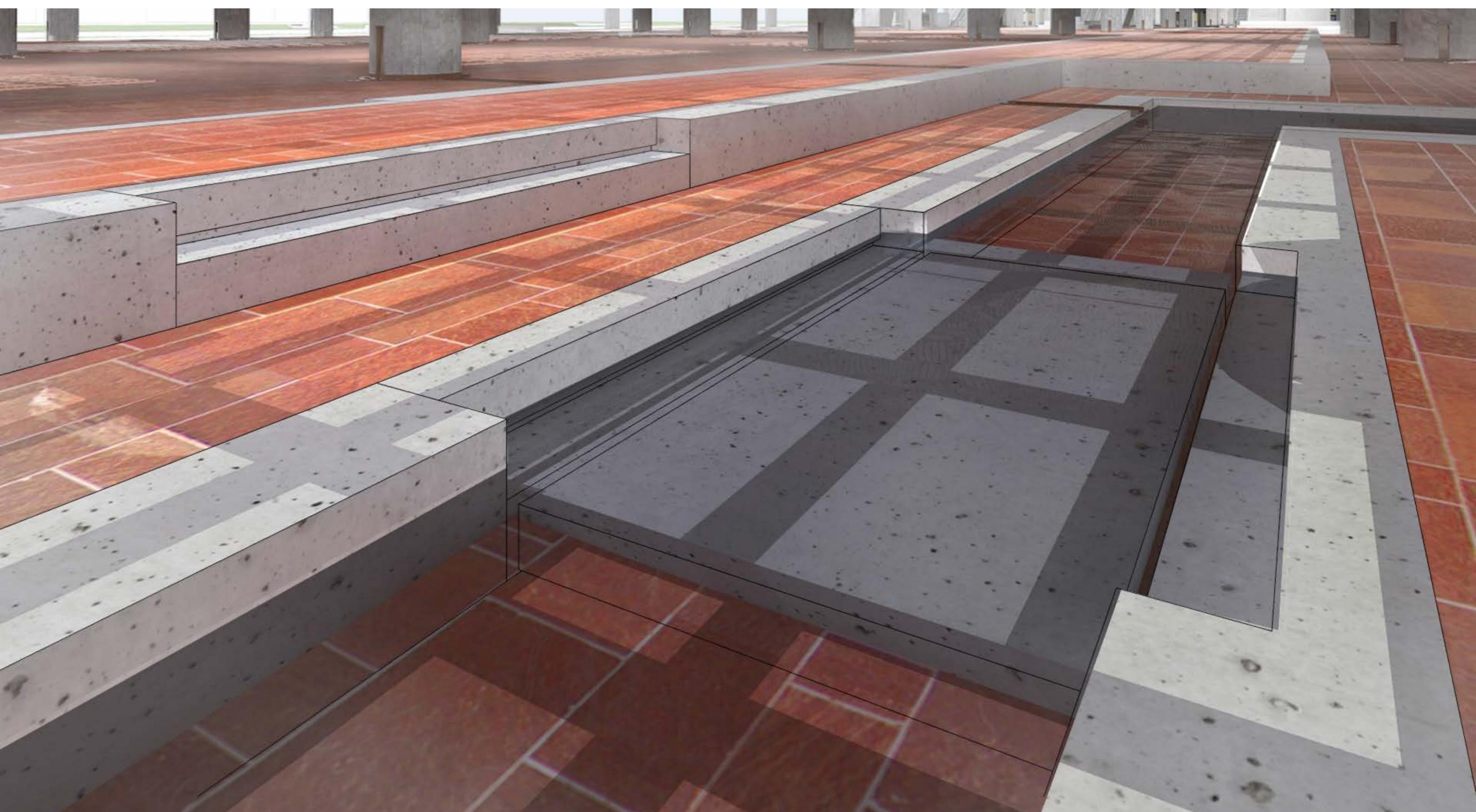
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Holonite panel

Concrete stepping stone

Concrete support element

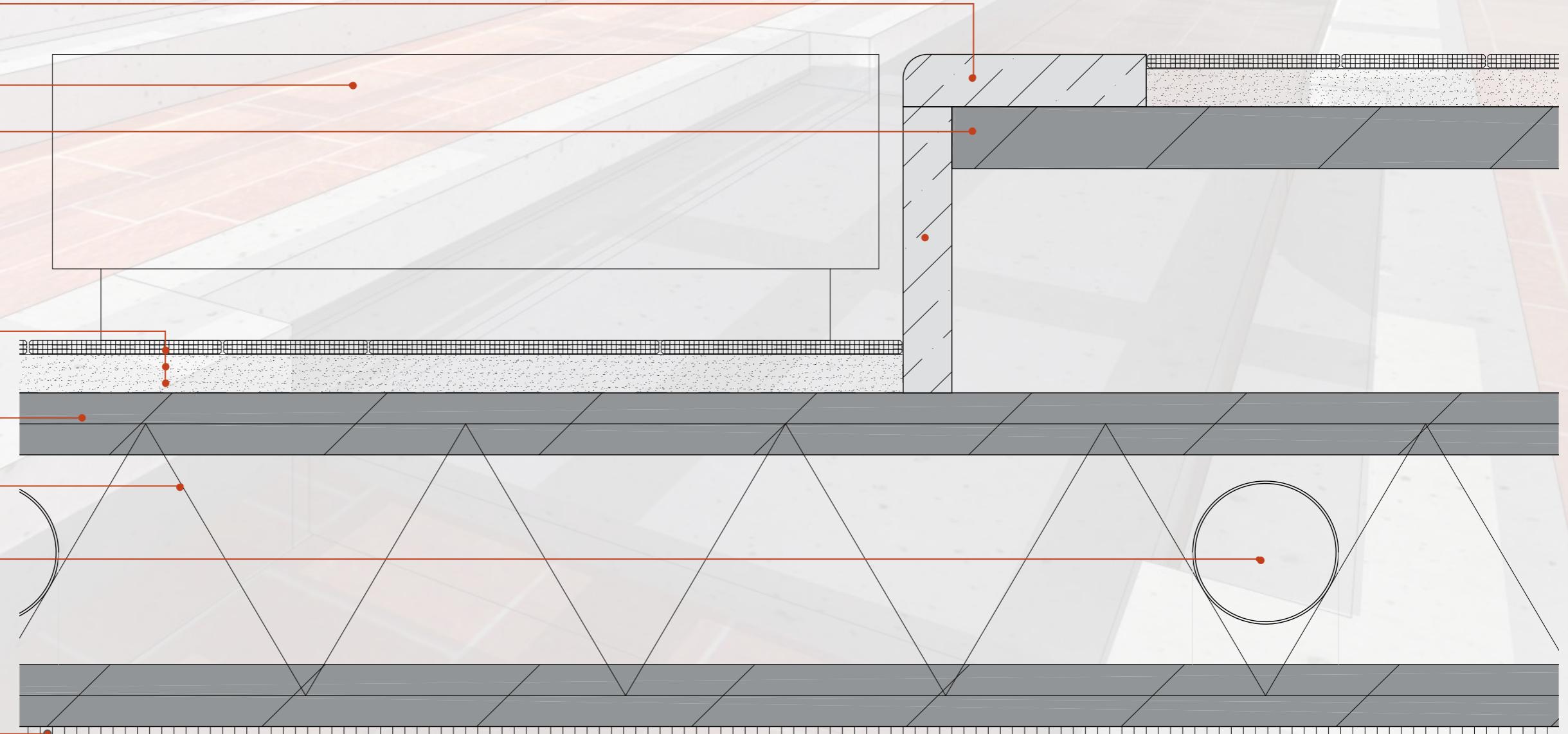
Ceramic tiles  
Stabilizing sand bed  
Foil

Holcon element

Steel reenforcement

Ventilation duct

Sound insulating plaster



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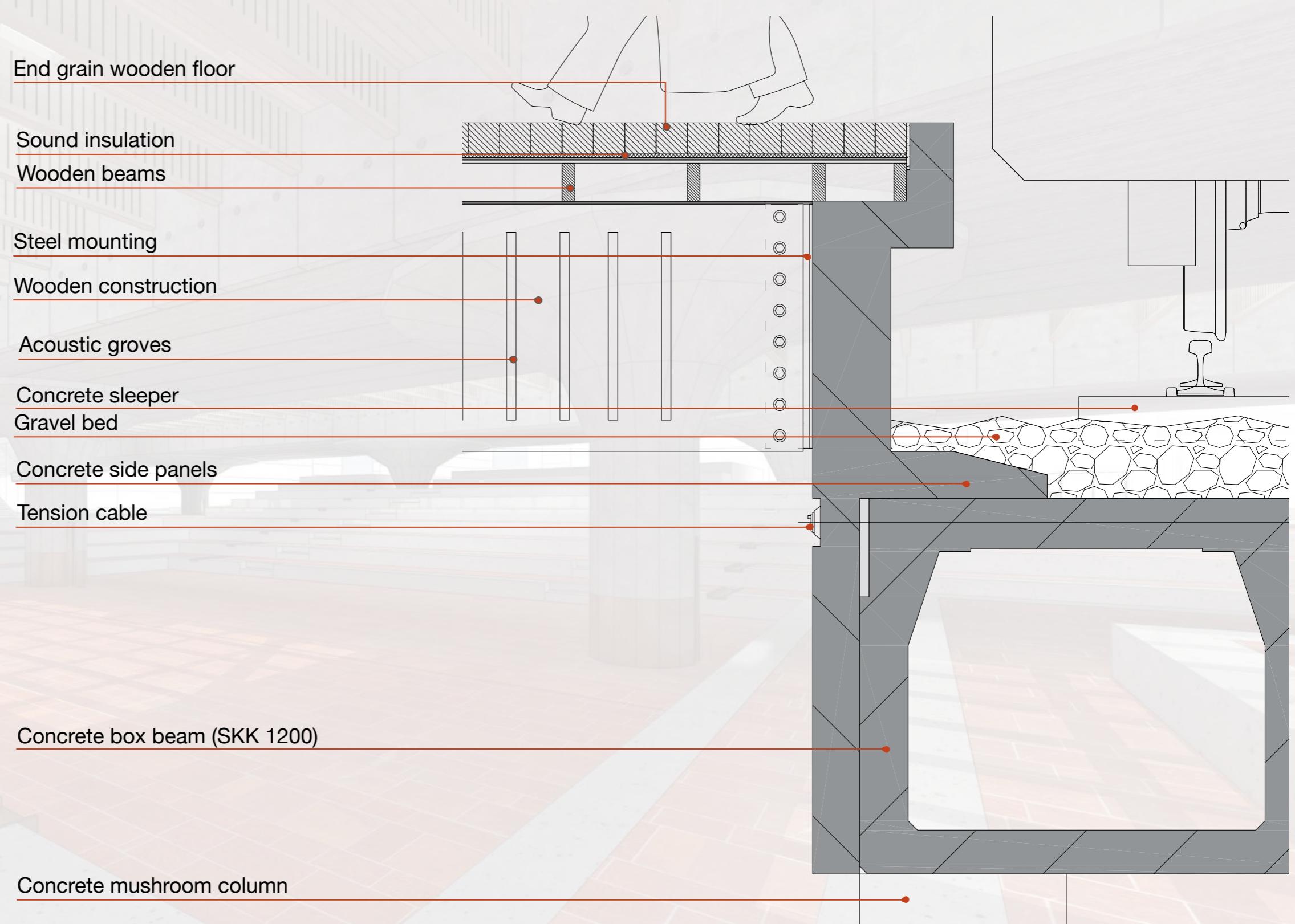
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Walkable glass 50 mm

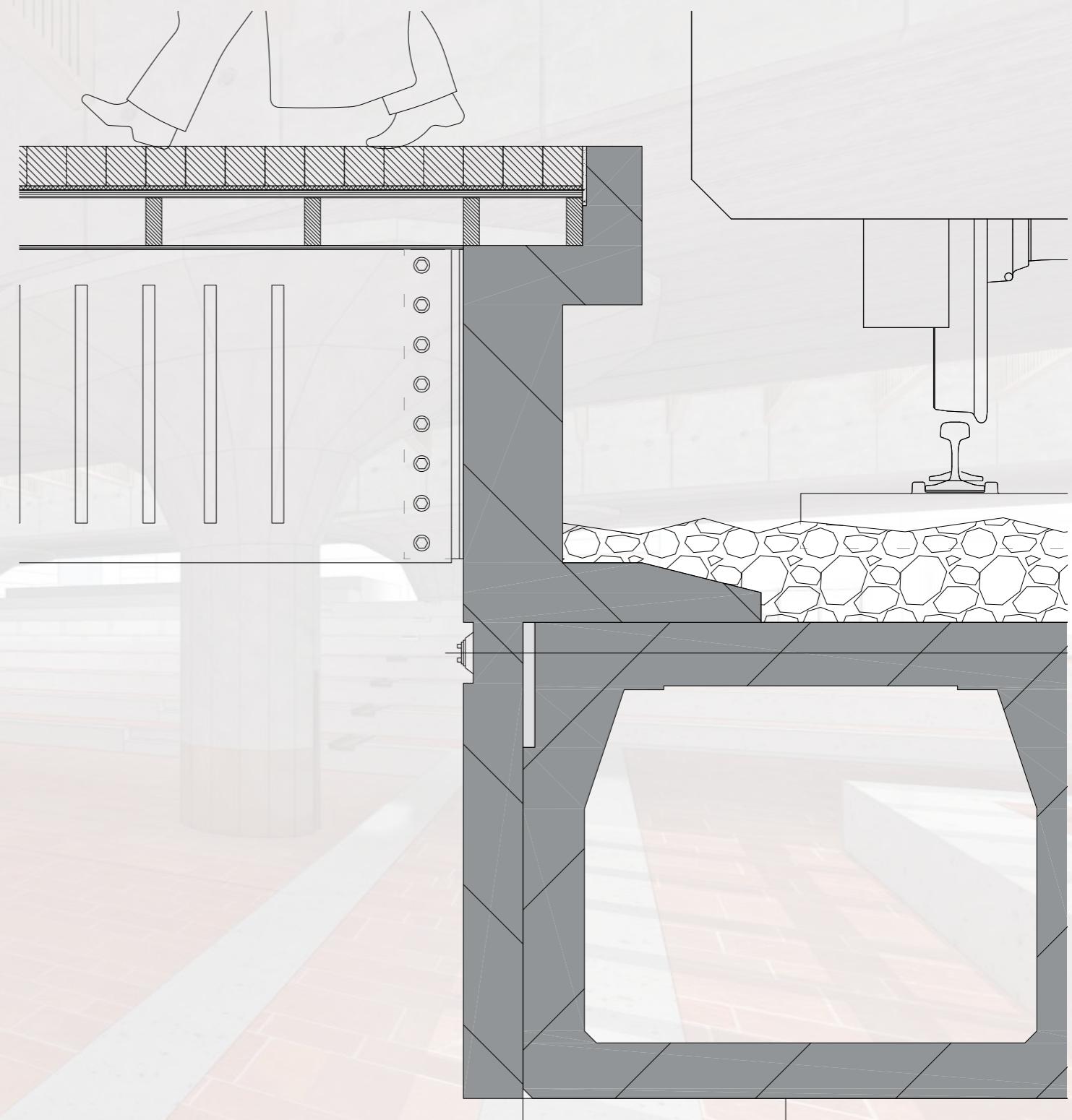
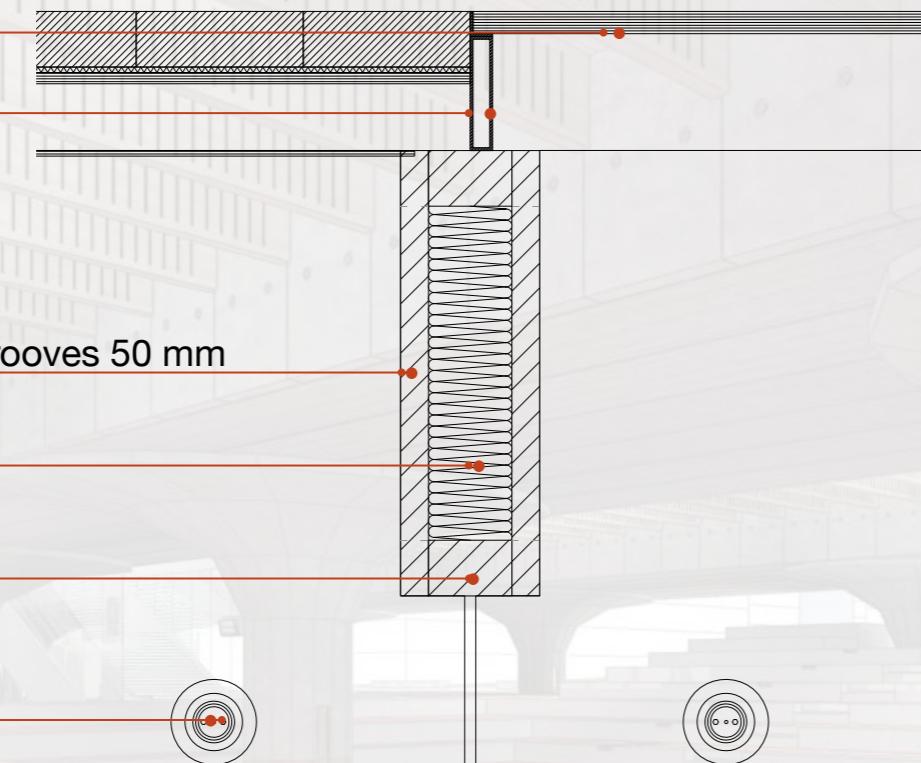
Steel window sills

Side panels with acoustic grooves 50 mm

Sound insulation

Wooden box beam

Tension cable



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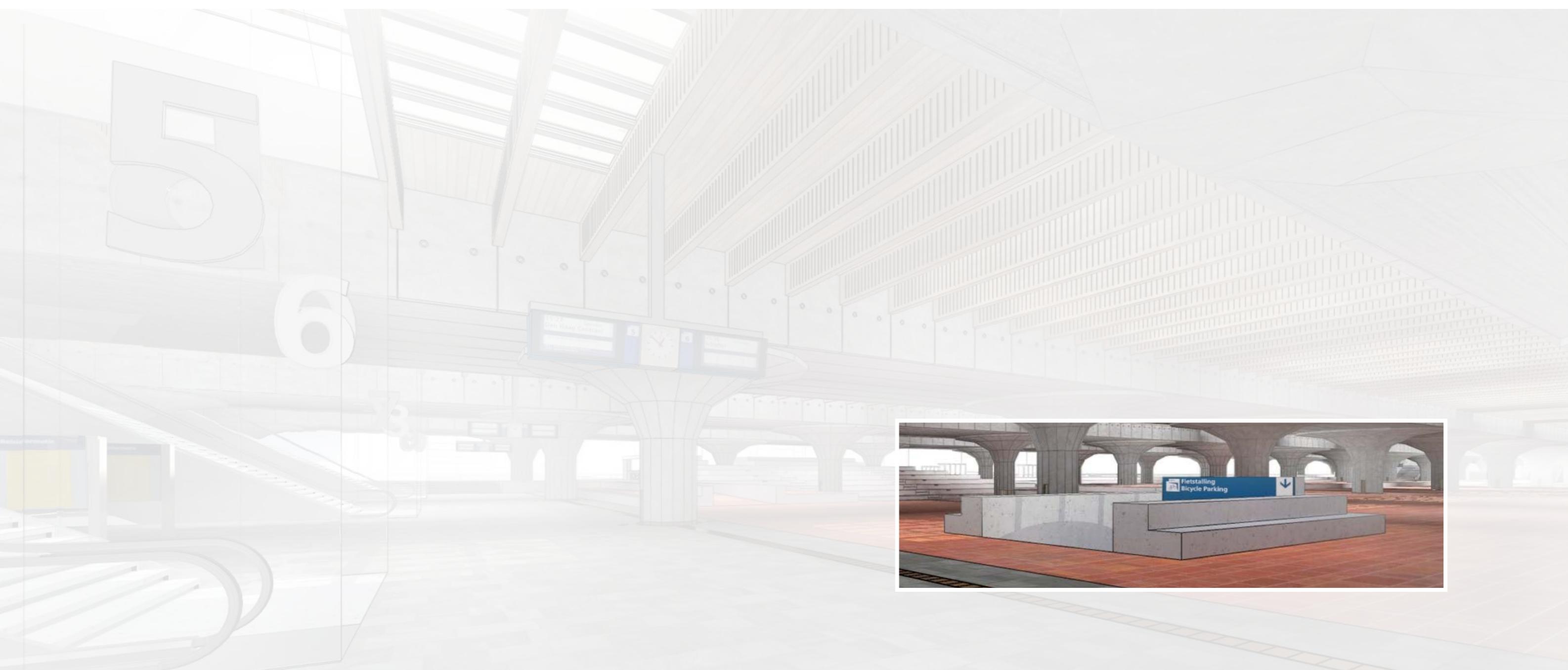
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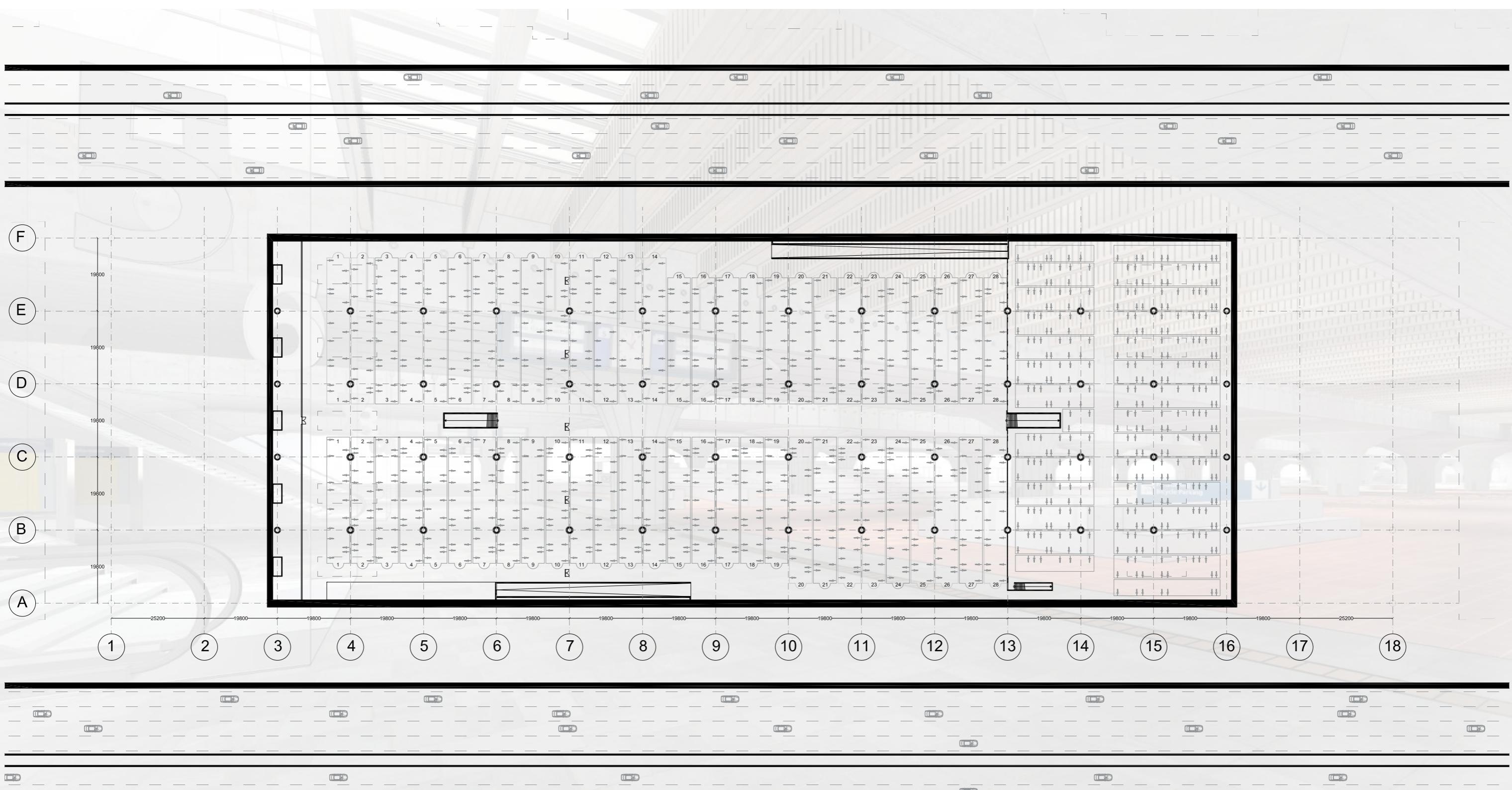
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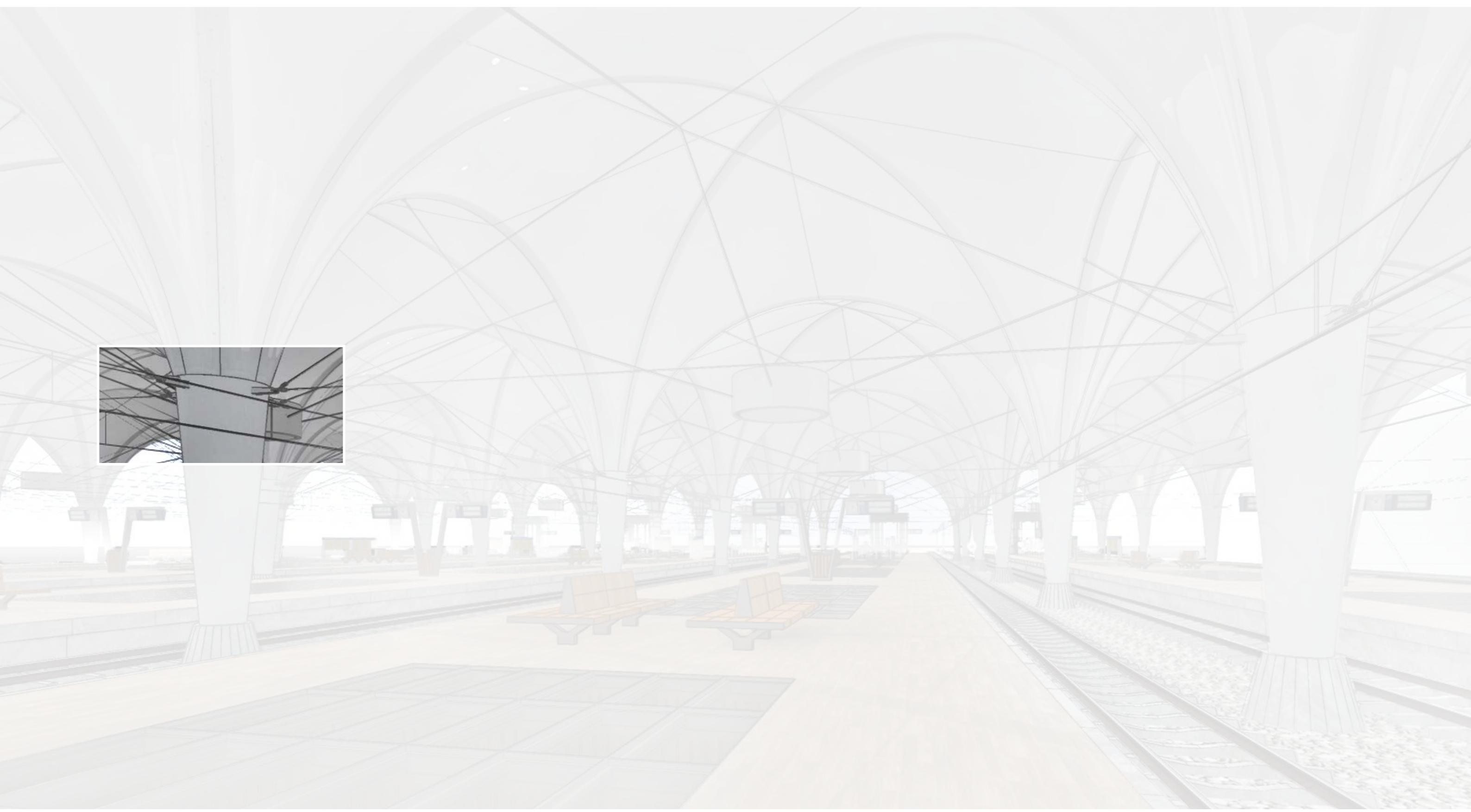
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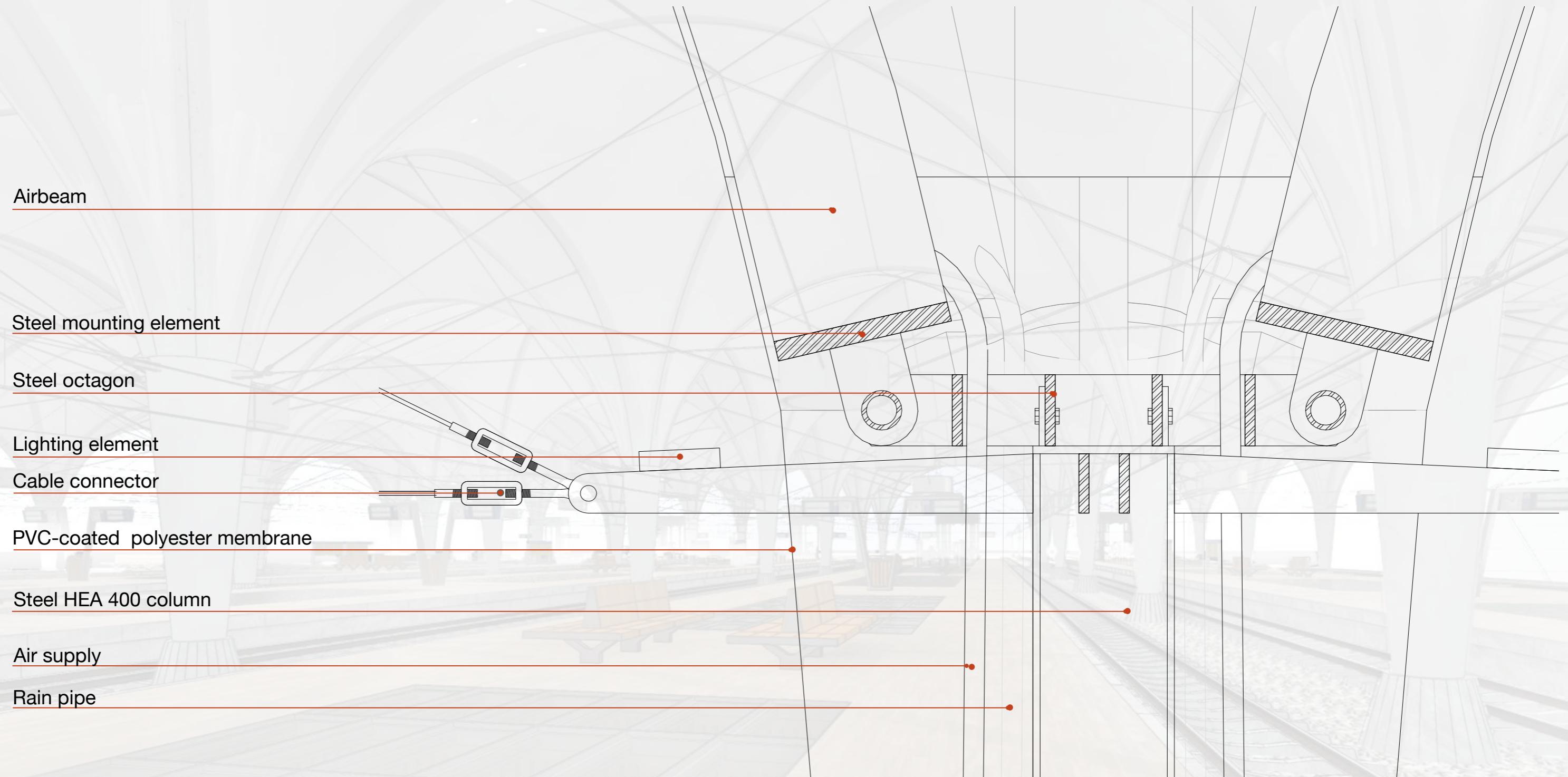
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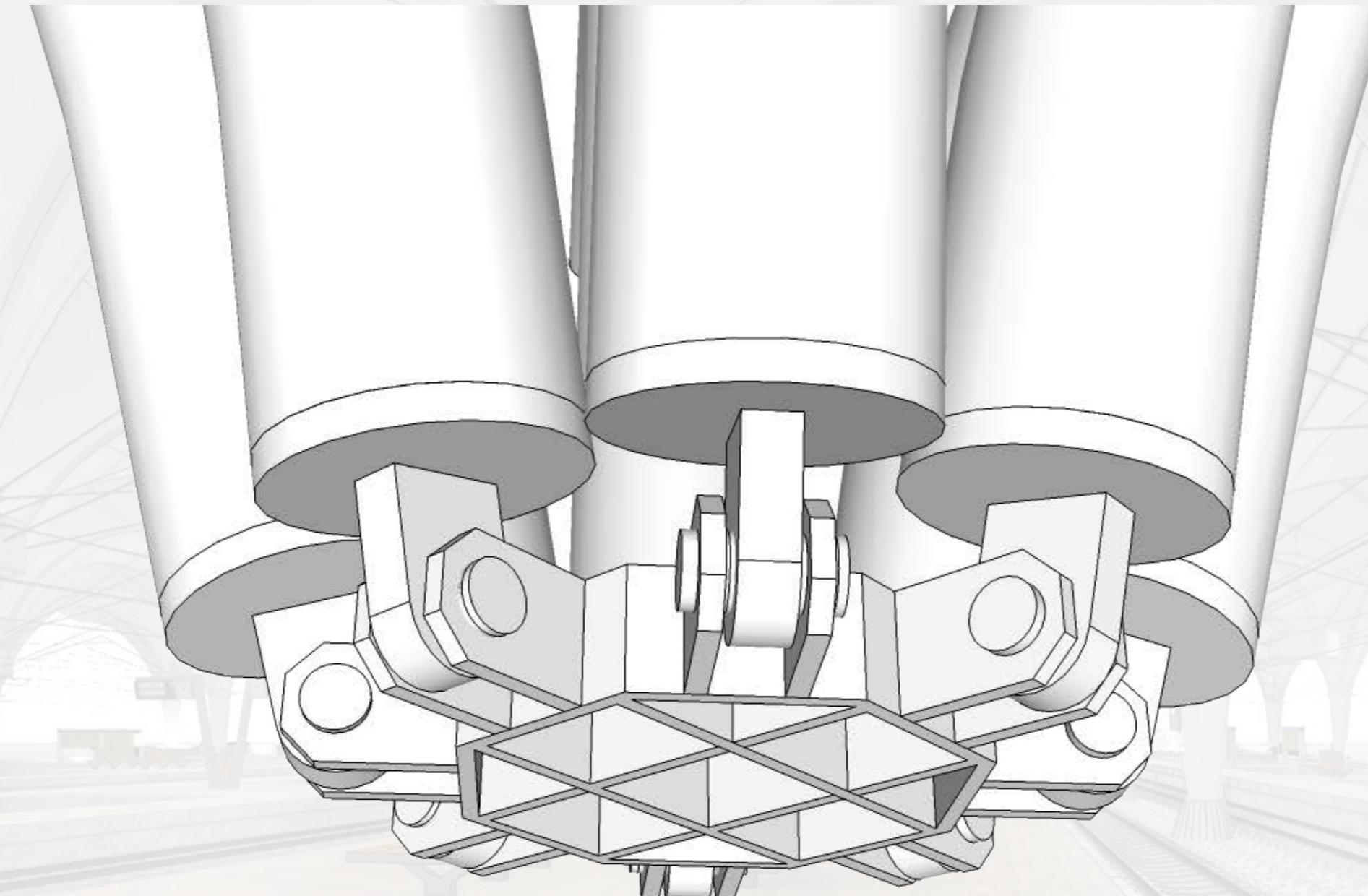
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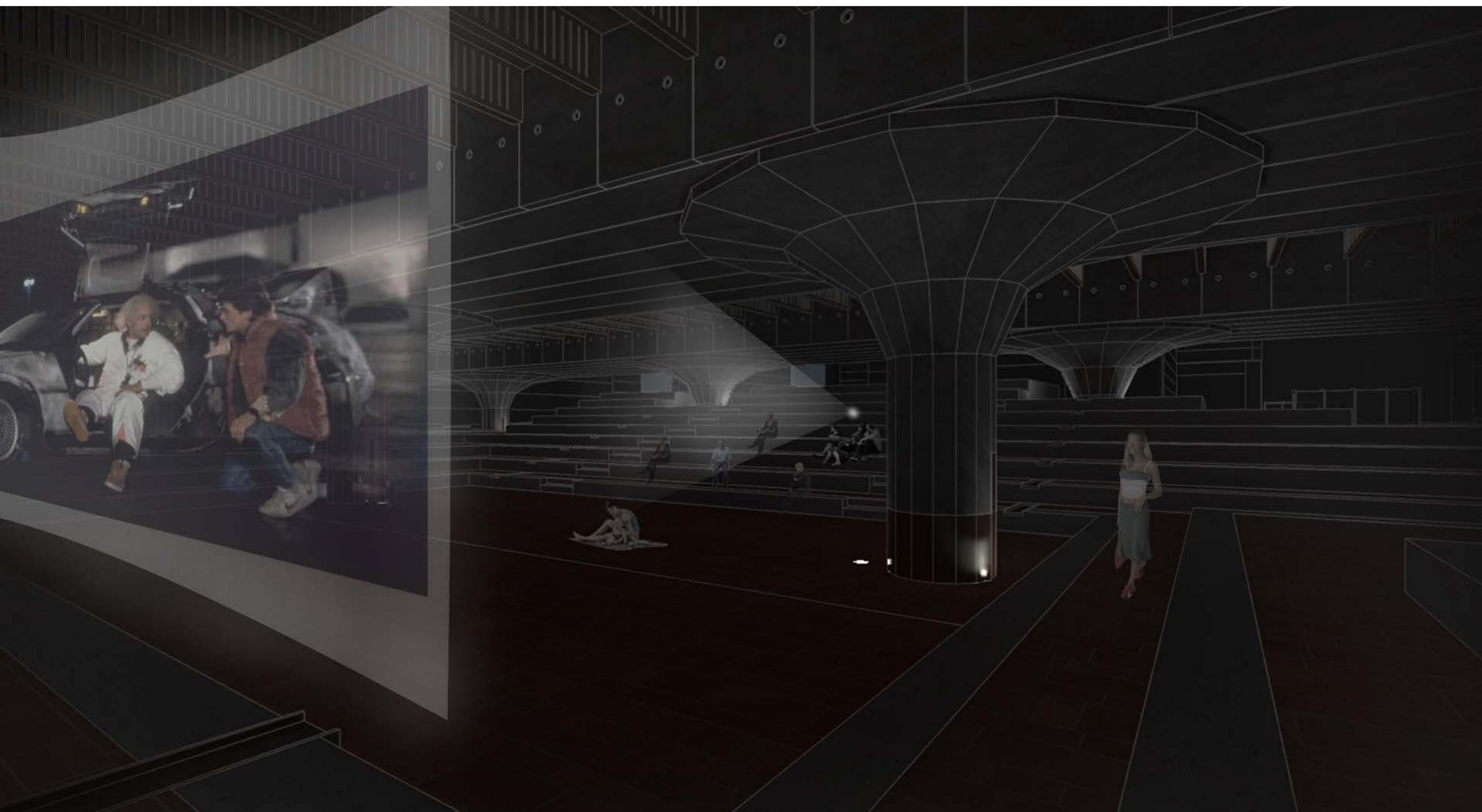
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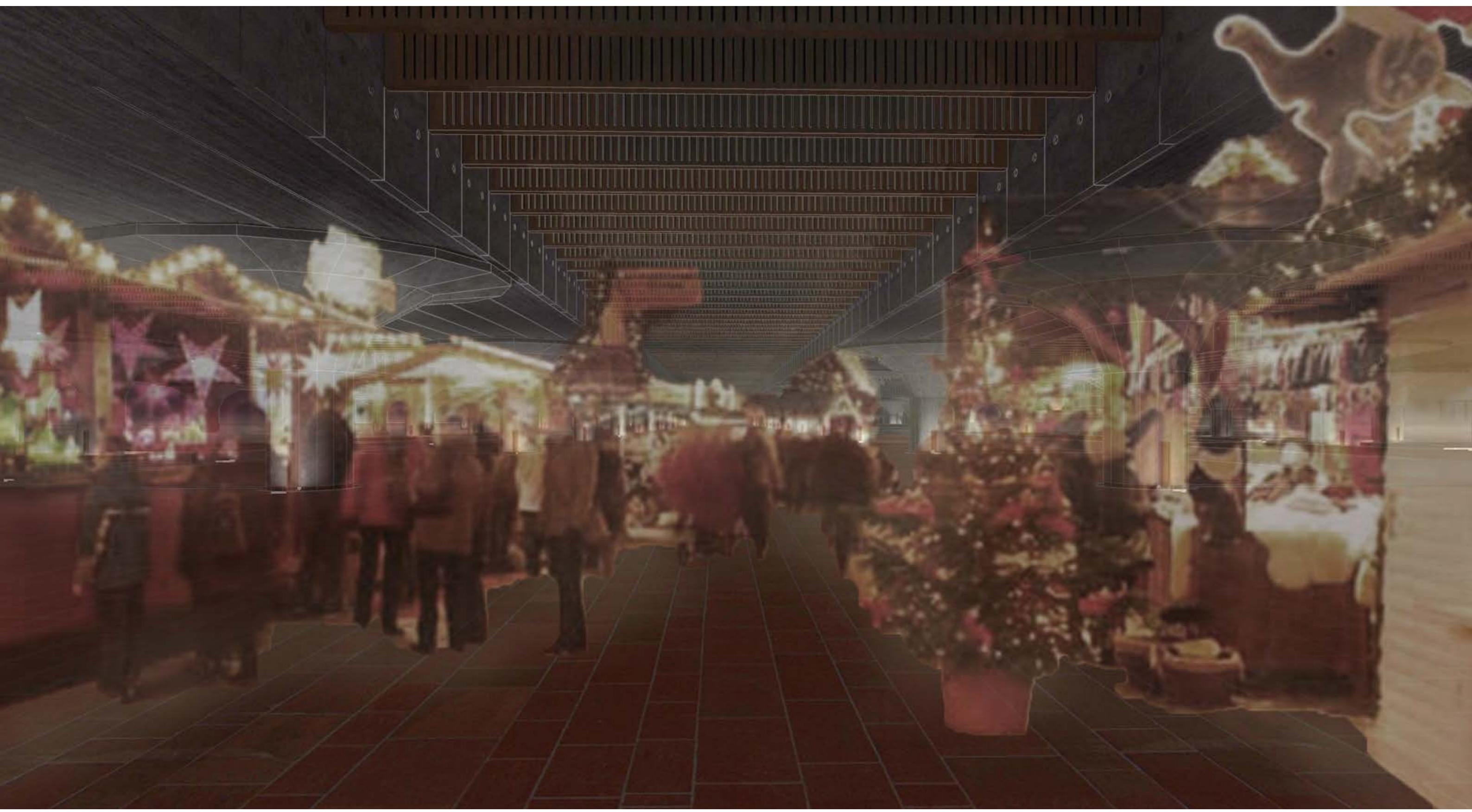
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## REFLECTION |

- The plan is quite extreme, but is needed to break free from the current typology
- The plan doesn't have any PV-cells or heat pumps, not sustainable in energy but in material and construction
- The HOLCON floors were chosen based on the theme of temporality, however the landscape would preferably become permanent, which could have led to a permanent floor system
- PV cells can be placed on the membrane possibility for selfsustaining building

**THANK YOU FOR YOUR HELP AND ATTENTION!**

**...ARE THERE ANY QUESTIONS?**