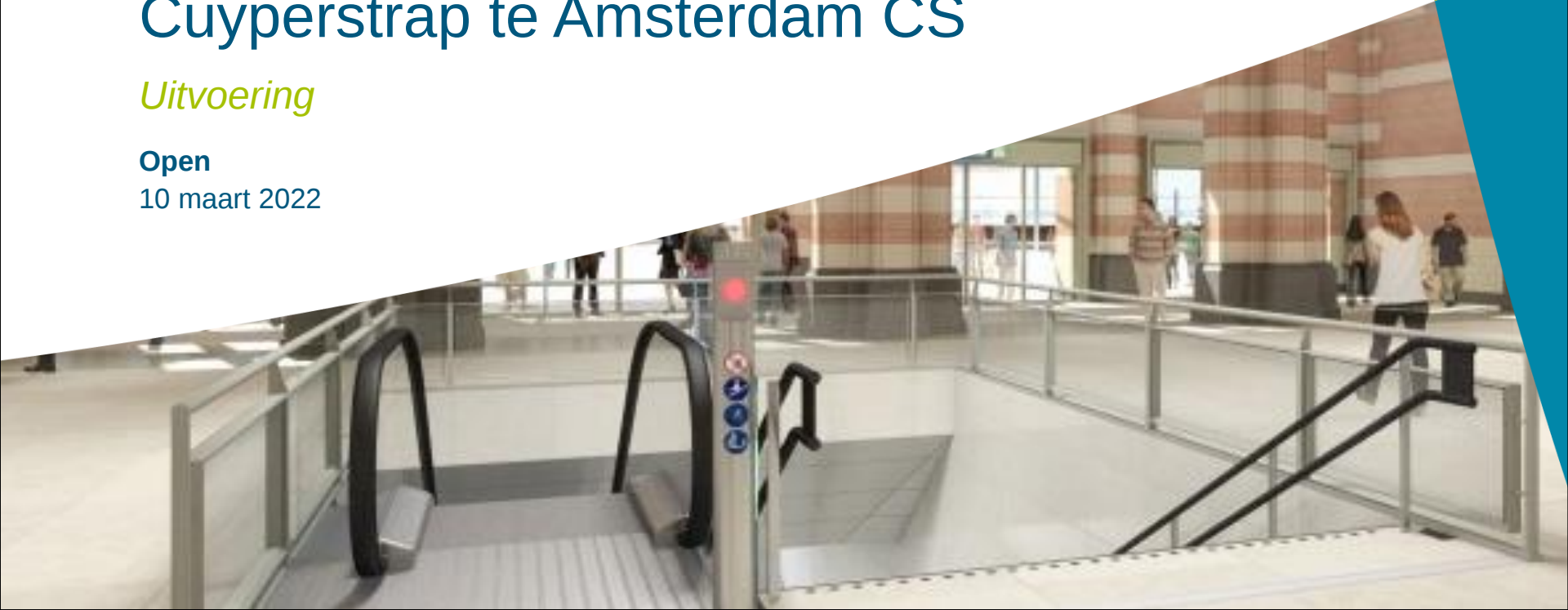


Cuyperstrap te Amsterdam CS

Uitvoering

Open

10 maart 2022

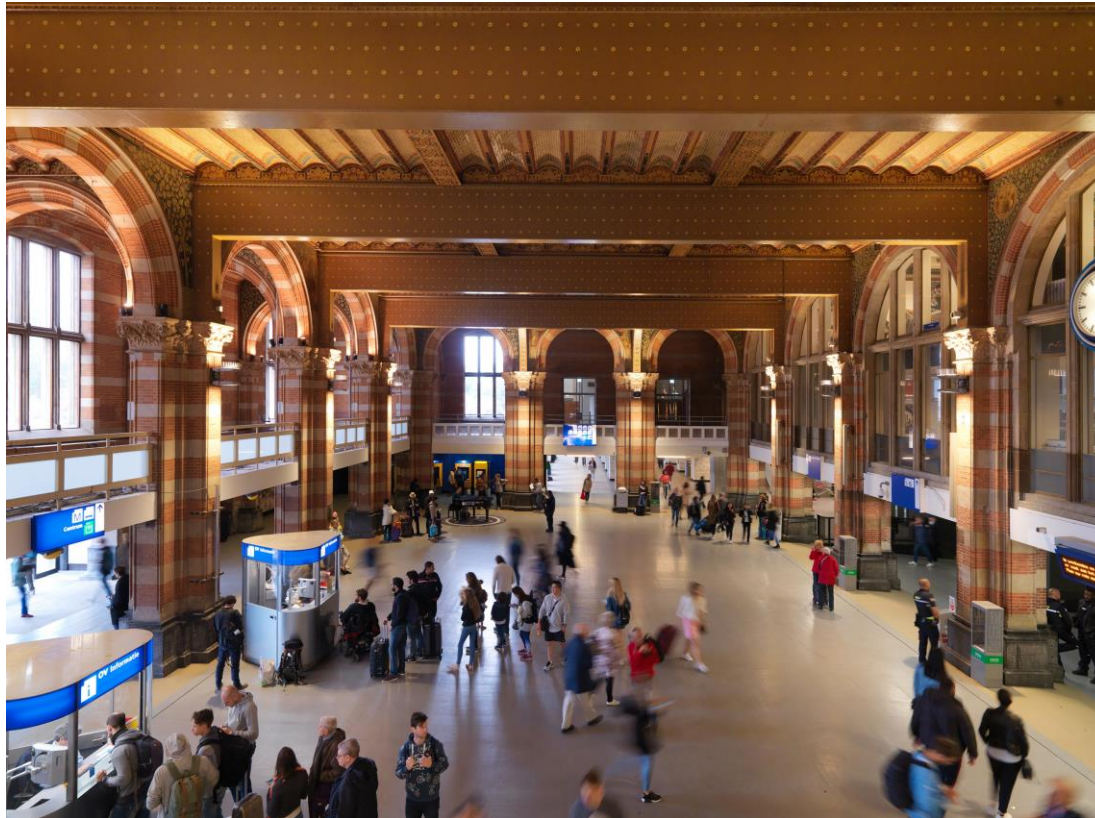




Artist impression Cuypershal mét trap

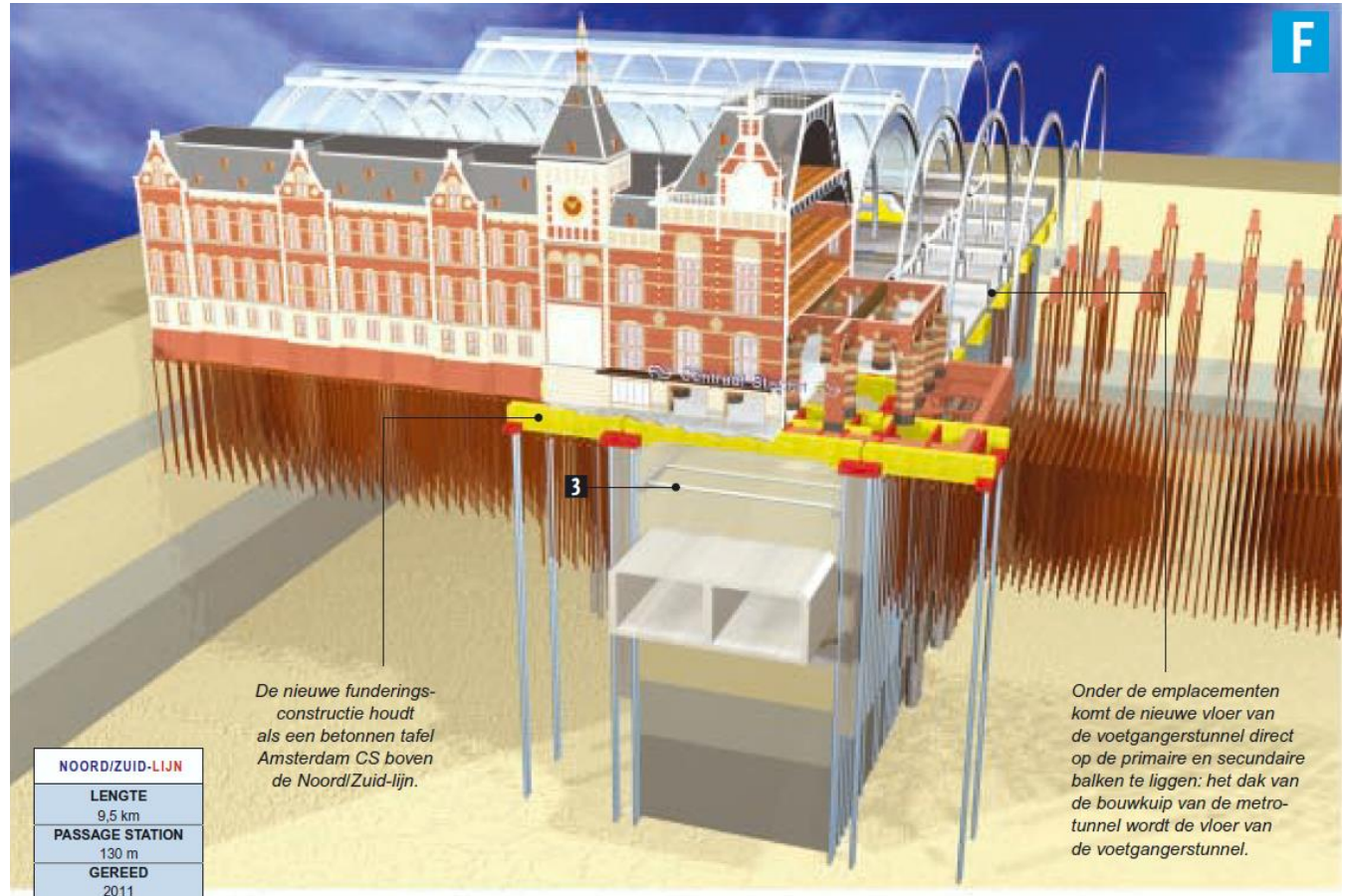
- Introductie
- Inleiding
- Raakvlak Noord/Zuidlijn
- Begin situatie
- Ontwerp
- Bouw
 - Bouwput
 - Doorbraak
- Eindresultaat

■ Inleiding



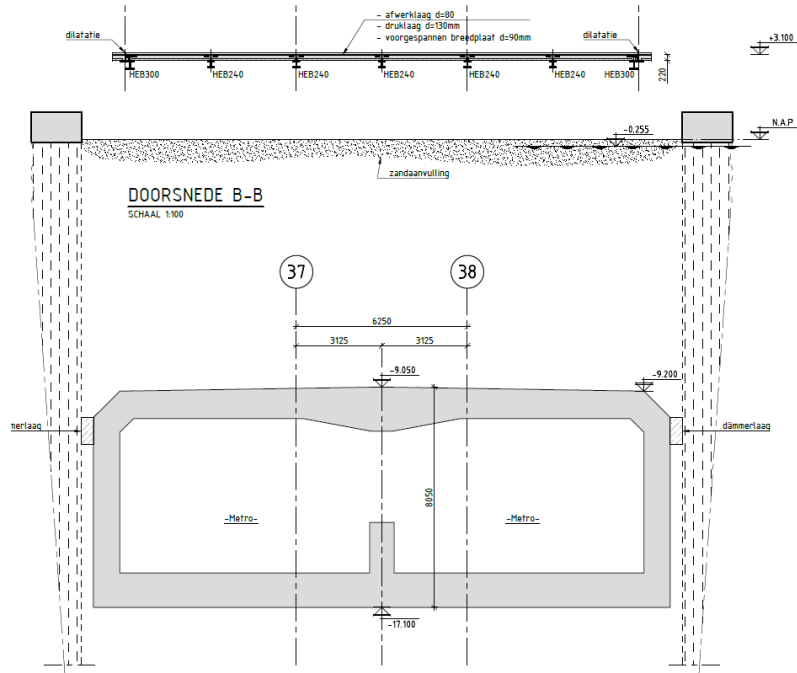
Overzicht Cuypershuis vóór de verbouwing (vóór 2019)

- Raakvlak
Noord/Zuidlijn

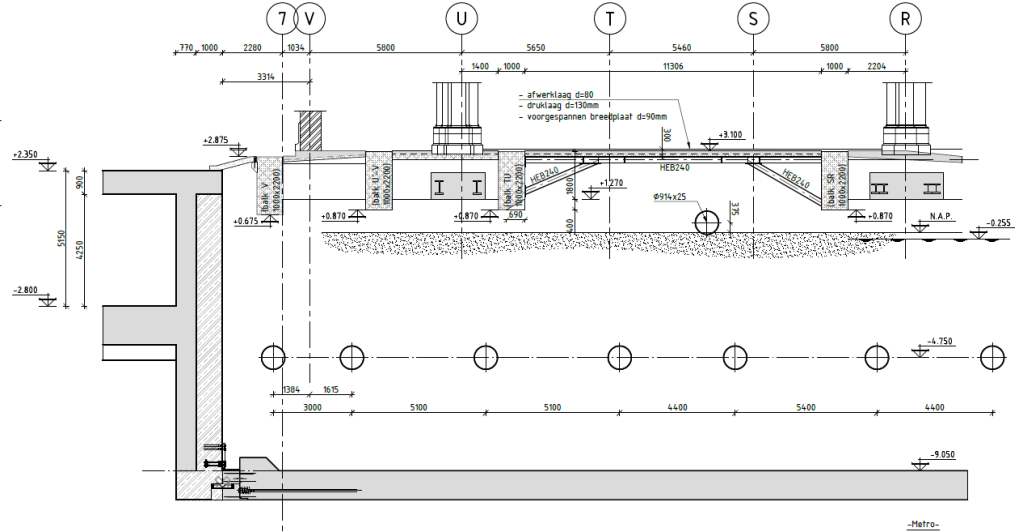


Tafelconstructie hoofdgebouw gereed 2011 (De Ingenieur, mei 2003)

Begin situatie



Begin situatie



Beperkte ruimte aan de start



7

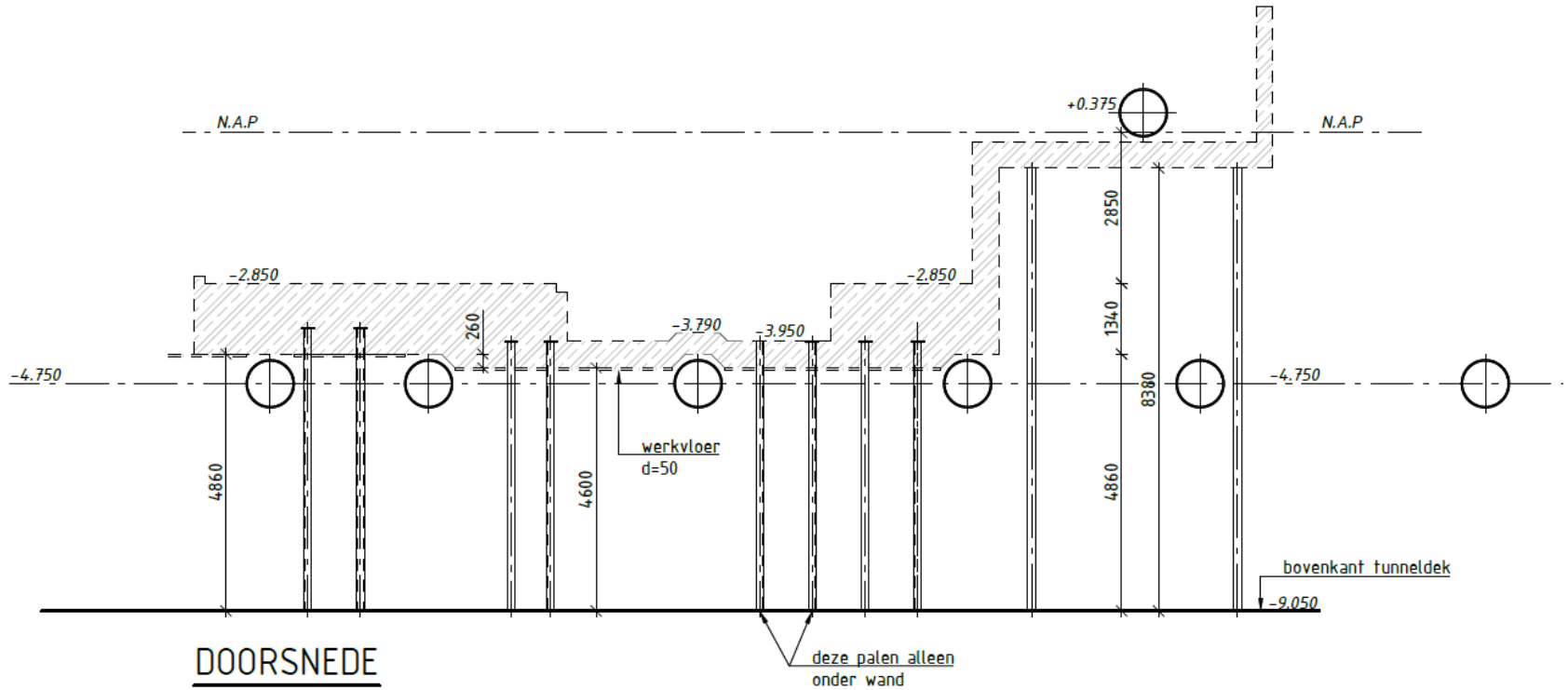
The image contains two technical drawings of a bridge structure.

Top Drawing (DOORSNEDE B): This is a cross-section of the bridge. It shows a central span with a width of 10,350 units, flanked by two side spans of 6,250 units each. The total width is 22,850 units. The central span has a width of 8,500 units at the top and 8,000 units at the bottom. The side spans have a width of 6,250 units at the top and 6,000 units at the bottom. The bridge is supported by three piers. The piers have a width of 700 units. The bridge deck has a thickness of 300 units. The bridge is shown with a sand filling (zandaanvulling) on the left side. The drawing is labeled "DOORSNEDE B" and "SCHAAL 1:100".

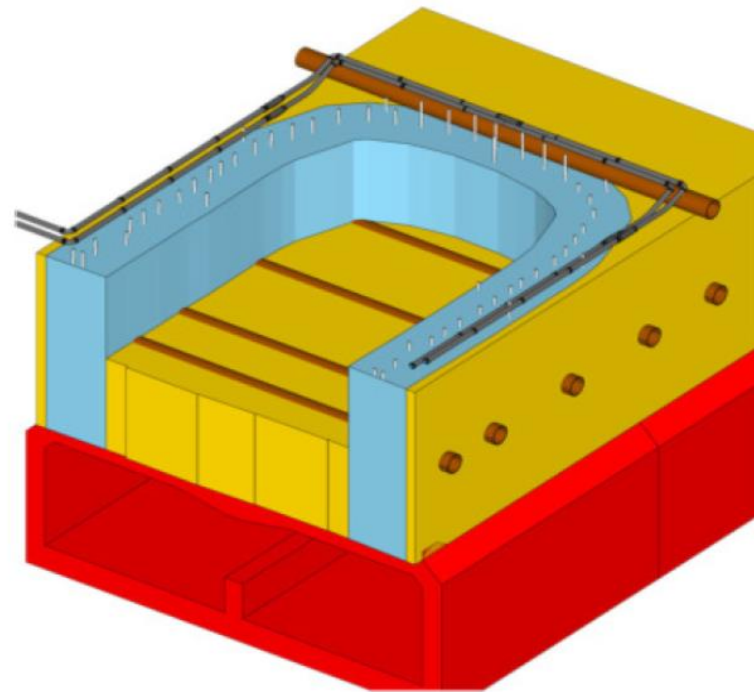
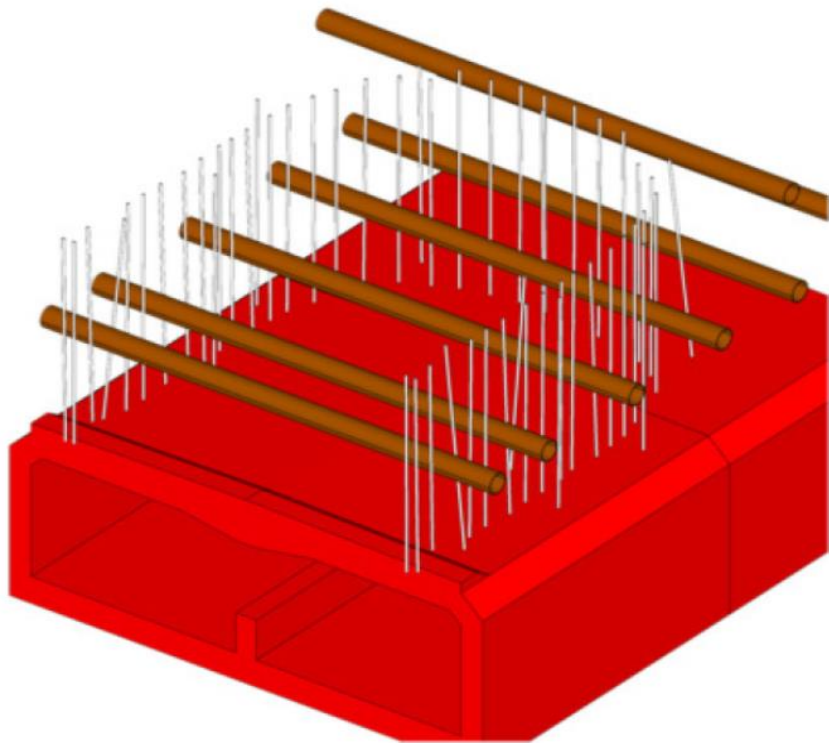
Bottom Drawing (DOORSNEDE A): This is a longitudinal section of the bridge. It shows the bridge deck with a width of 8,000 units. The bridge is supported by three piers. The piers have a width of 700 units. The bridge deck has a thickness of 300 units. The bridge is shown with a sand filling (zandaanvulling) on the left side. The drawing is labeled "DOORSNEDE A" and "SCHAAL 1:100".



Paalfundering

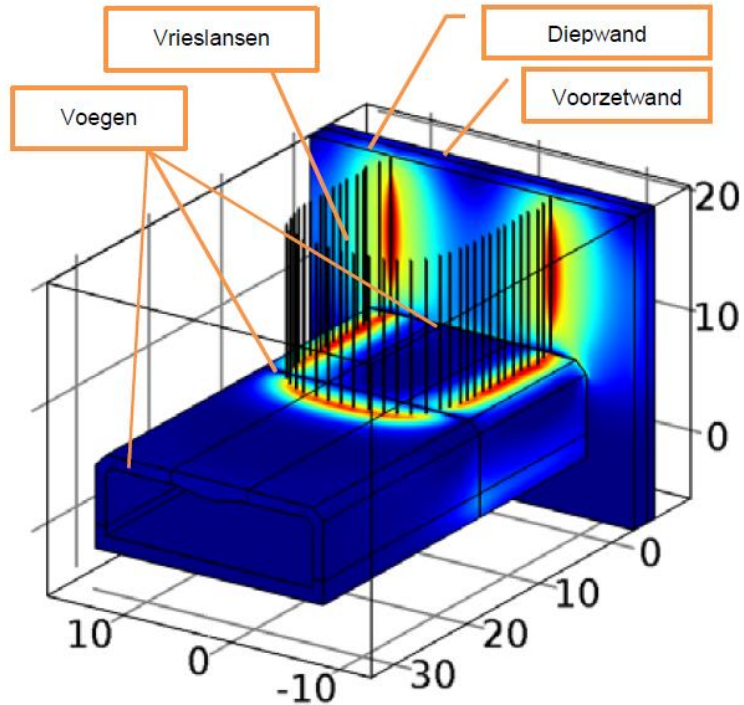


Bouwput



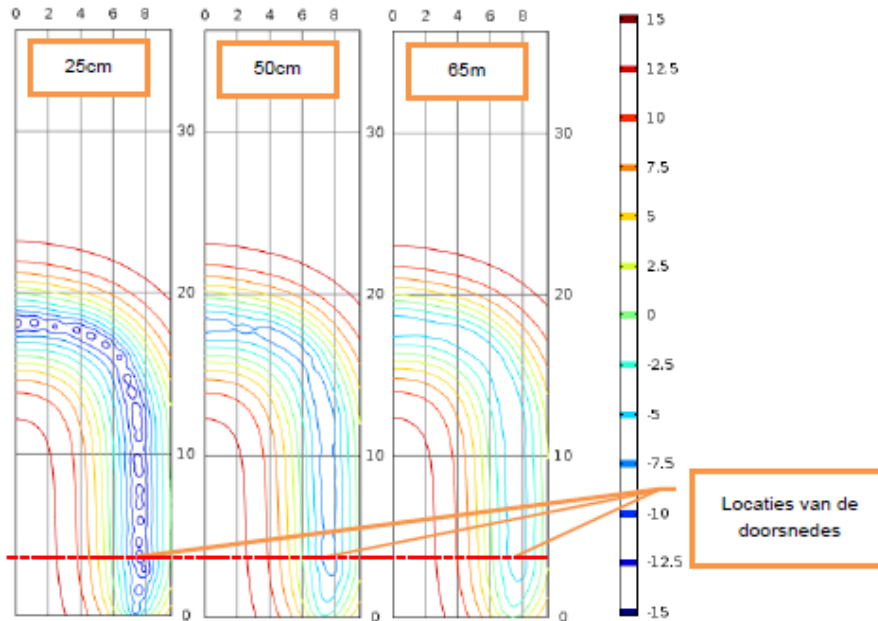
Configuratie vrieslansen en vrieslichaam

Analyse betonspanningen tgv vriesen

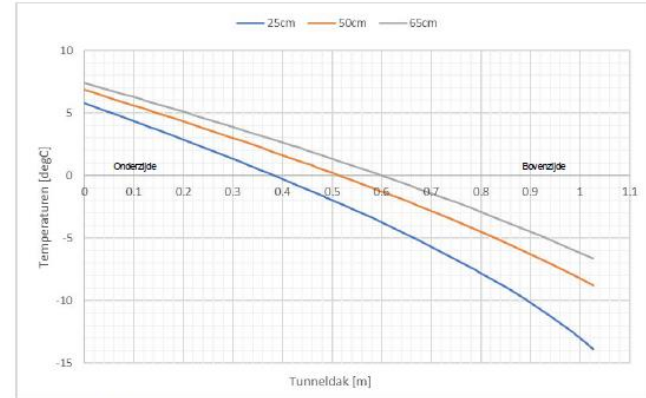


Spanningen in het beton van de tunnel en de wanden.

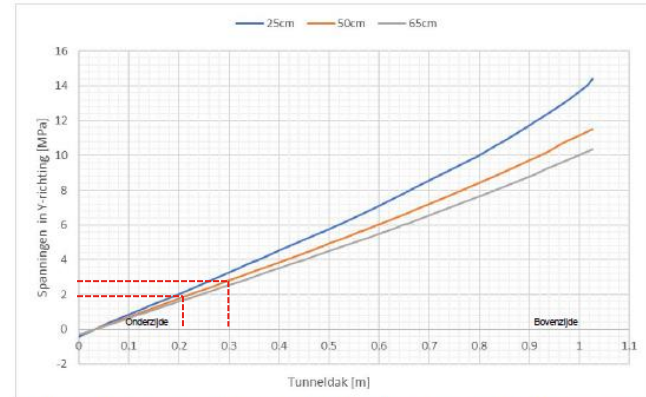
Dak zinktunnel



Figuur 16: Oppervlakte temperatuur van het dak van de tunnel na 1344 uur koelen (v.l.n.r. 25, 50 en 65 cm).

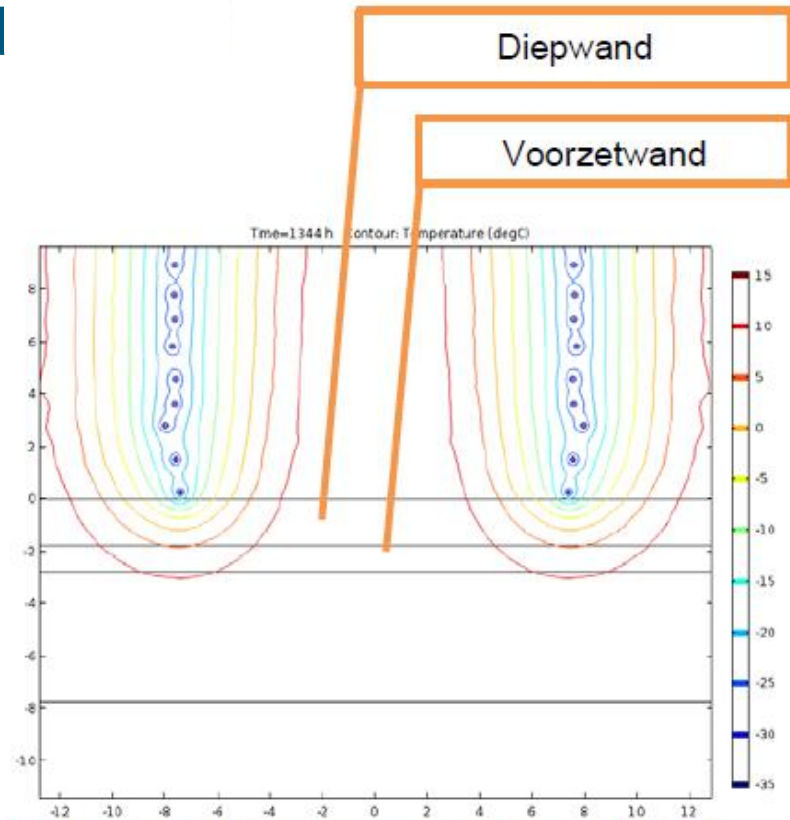
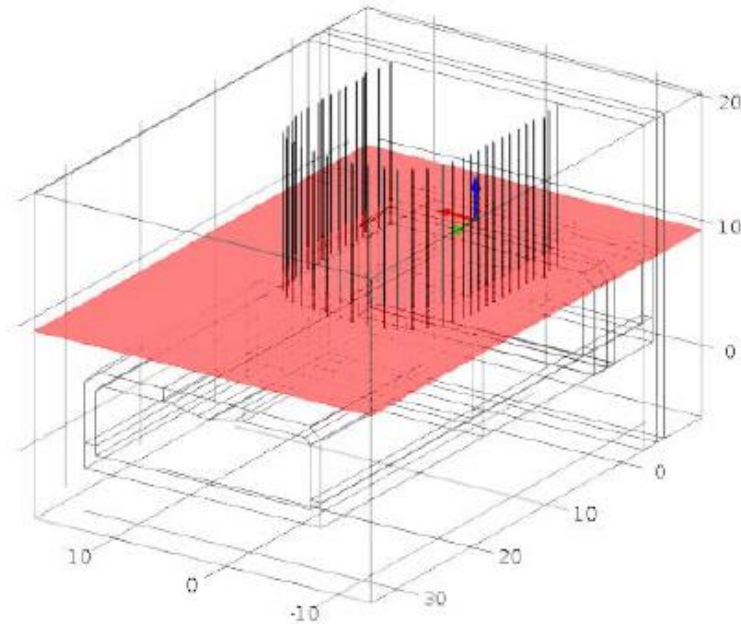


Figuur 17: 1D Temperatuurverdeling over de hoogte van het tunneldak onder de vrieslans op $t = 1344$ uur.



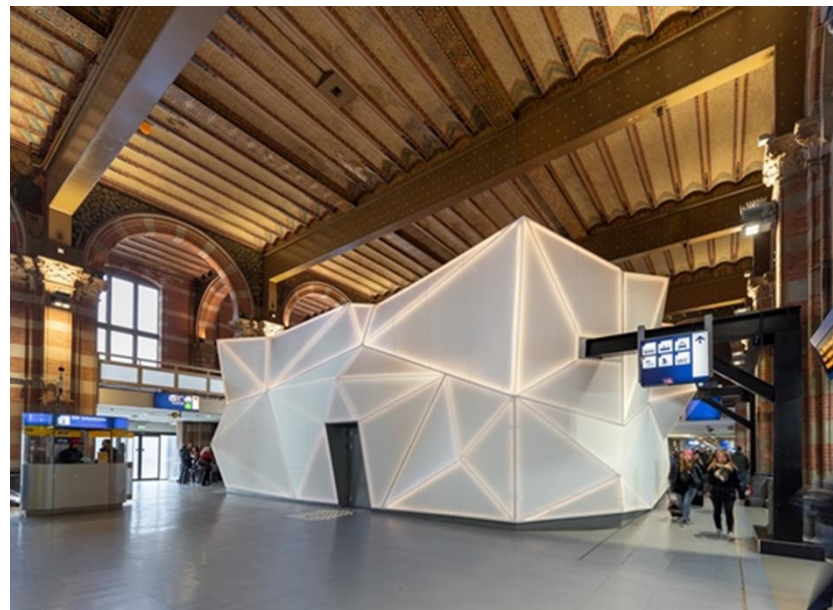
Figuur 18: 1D spanningsverdeling in Y-richting (lengte richting tunnel) over de hoogte van het tunneldak onder de vrieslans op $t = 1344$ uur.

Diepwand en voorzetwand

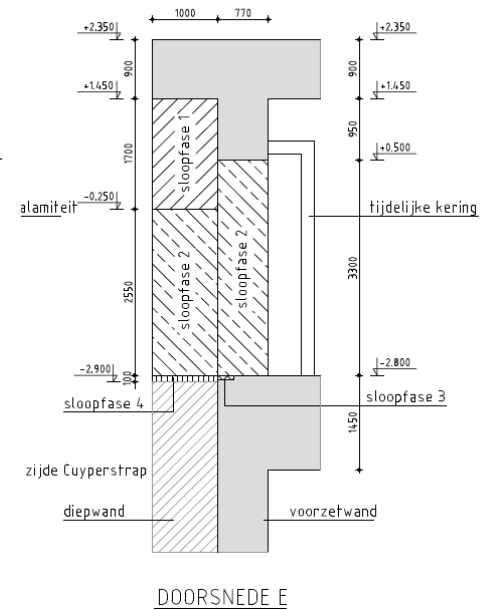
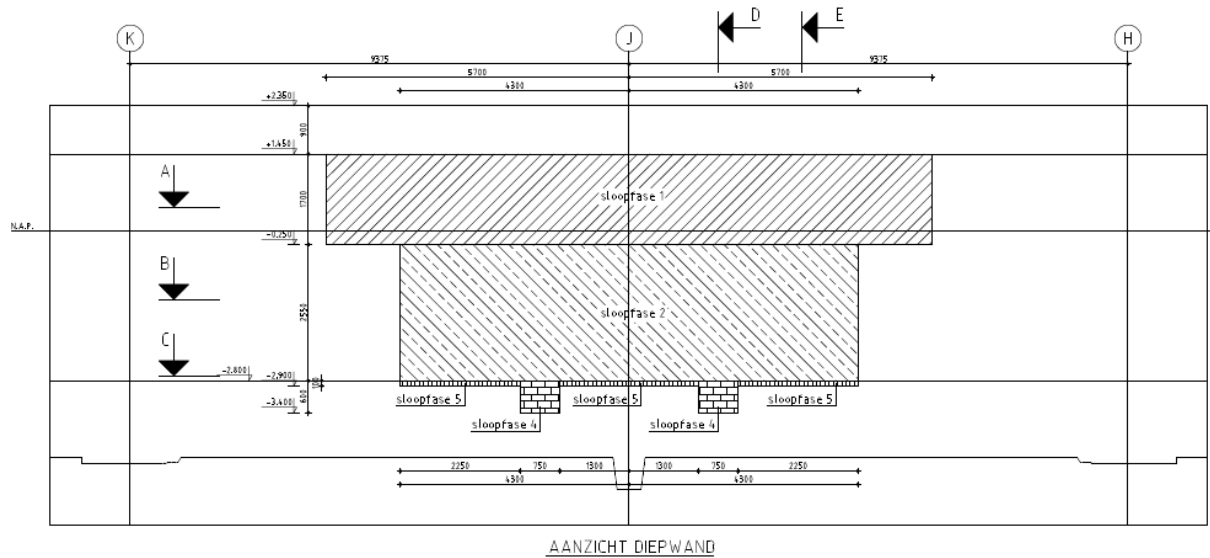


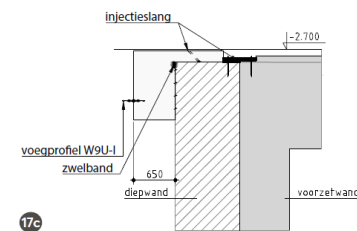
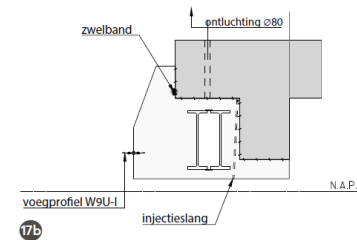
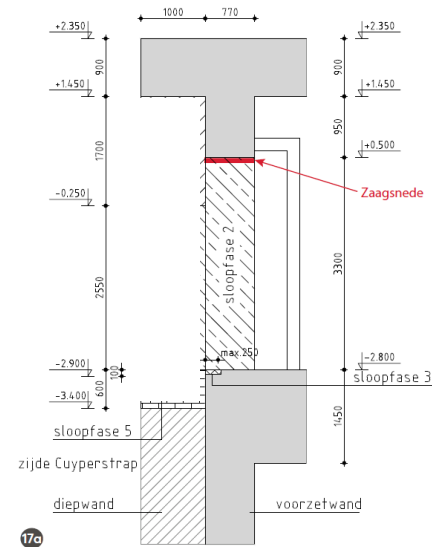
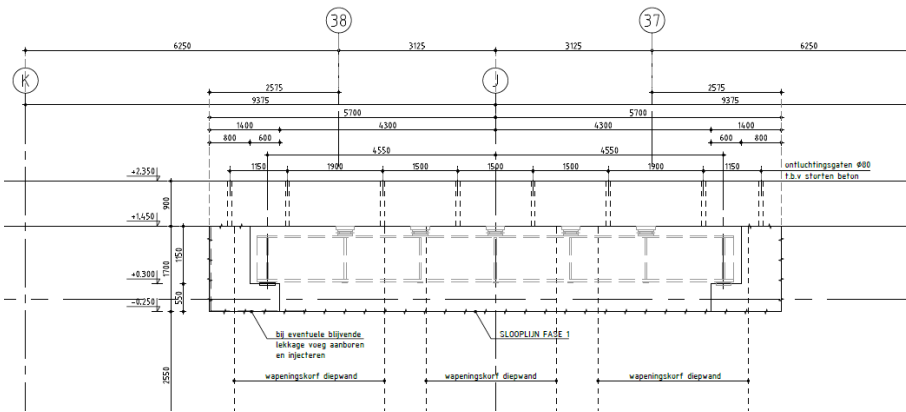
Figuur 14: Links - Overzicht doorsnede ; rechts: Temperaturen in de diepwand en voorzetwand op $t=1344$ uur.

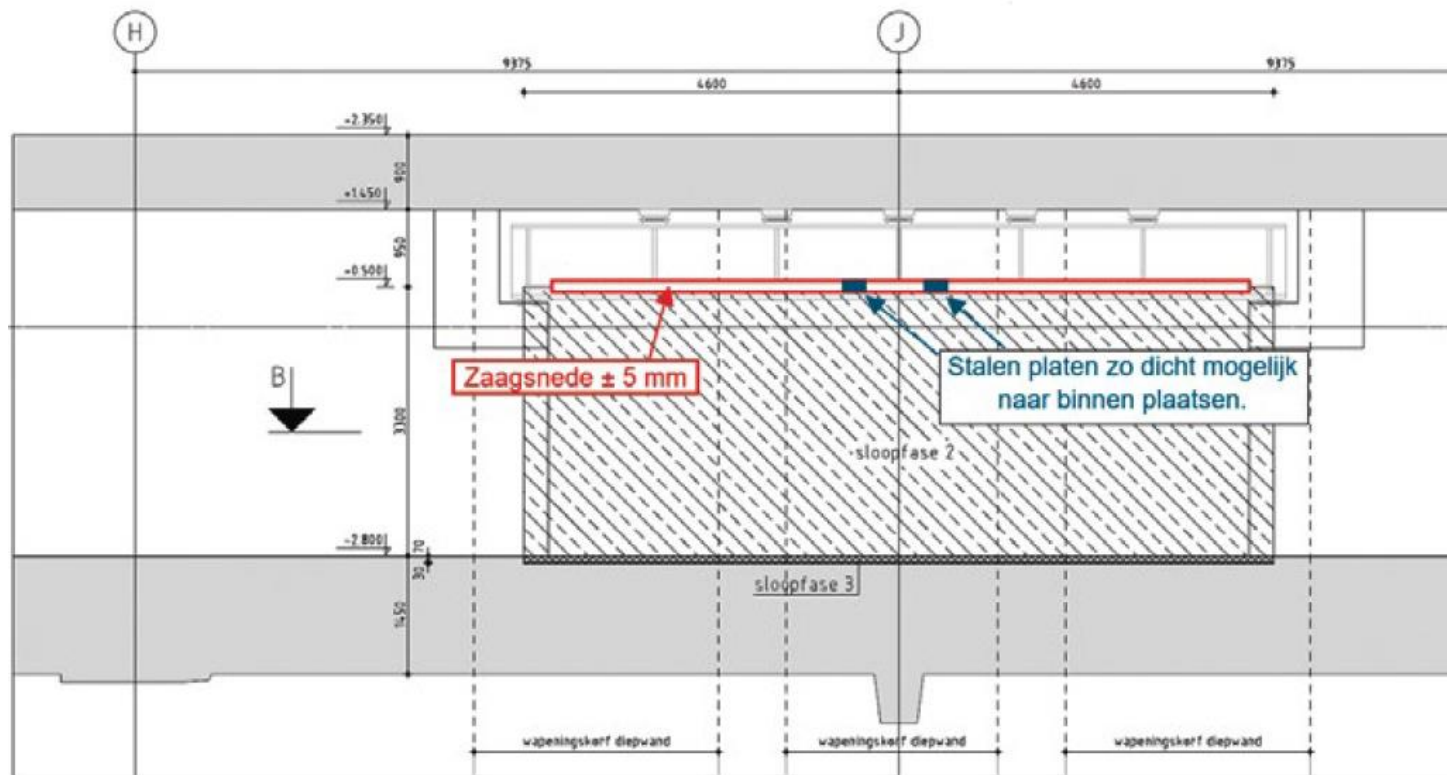




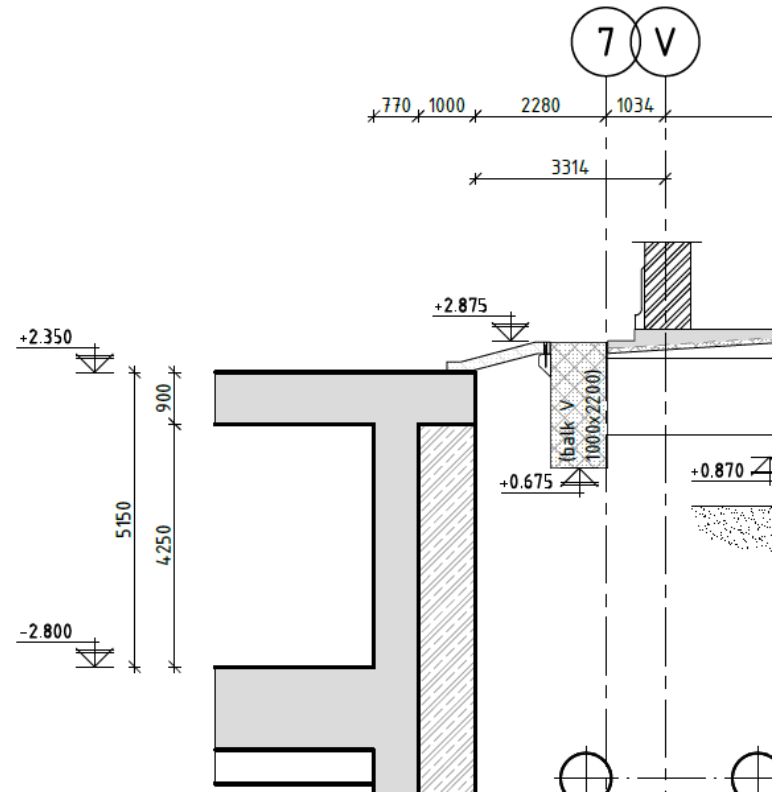
Doorbraak metrooverdeelhal







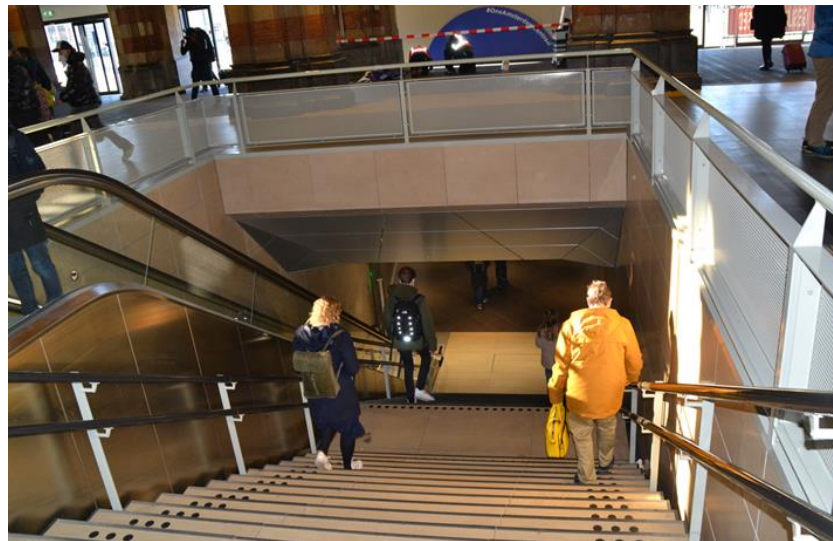
De brievenbus



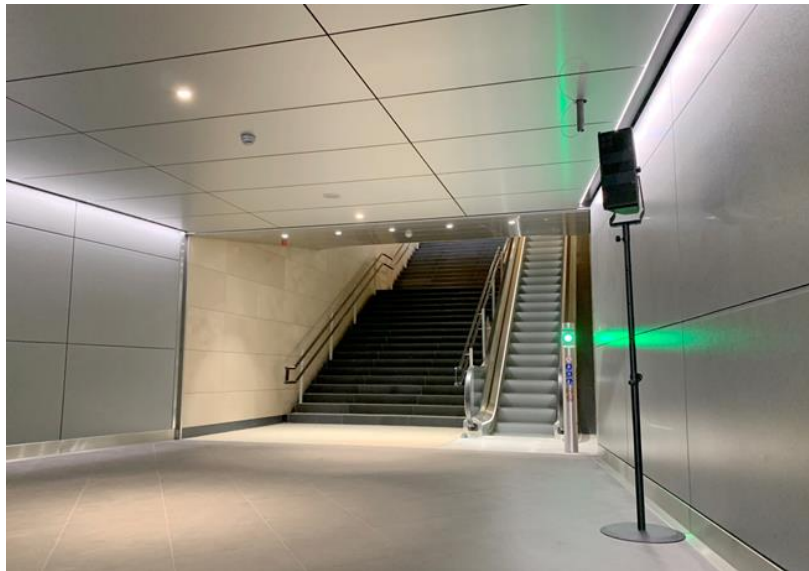
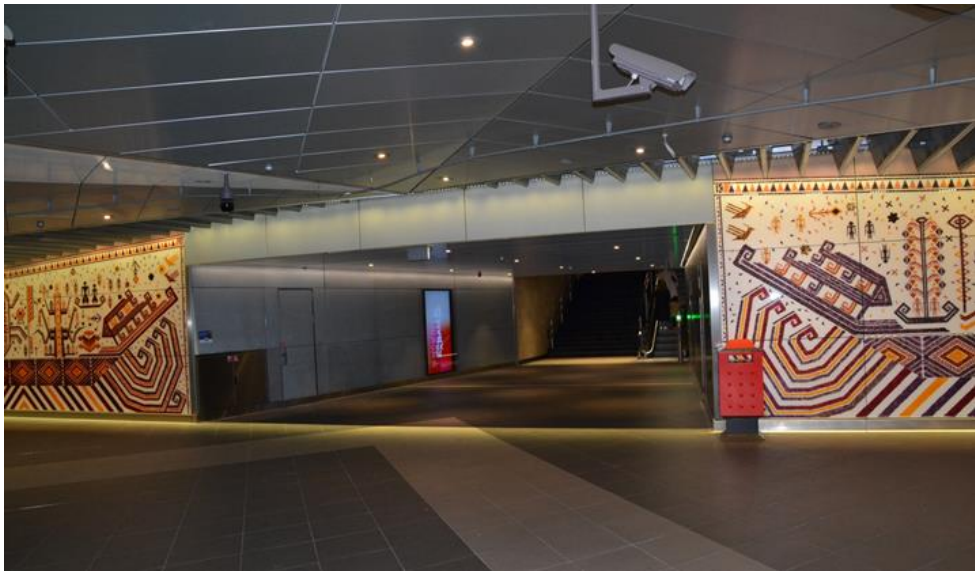
Plaatsen stalen ligger



Eindresultaat



Eindresultaat



Vragen?

