



11 juni 2026

Dag van de Constructeur



Coen van den Brand

Associate Director en Raadgevend ingenieur
Haskoning

Spooroverkapping Ede-Wageningen

Samenwerking van hout en staal op hoog niveau

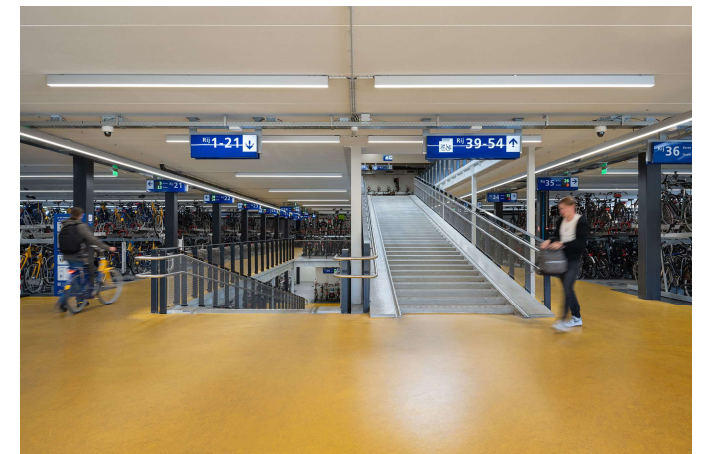
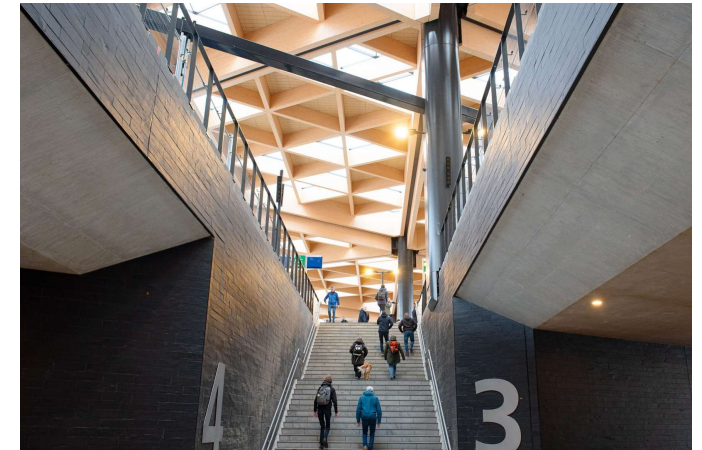
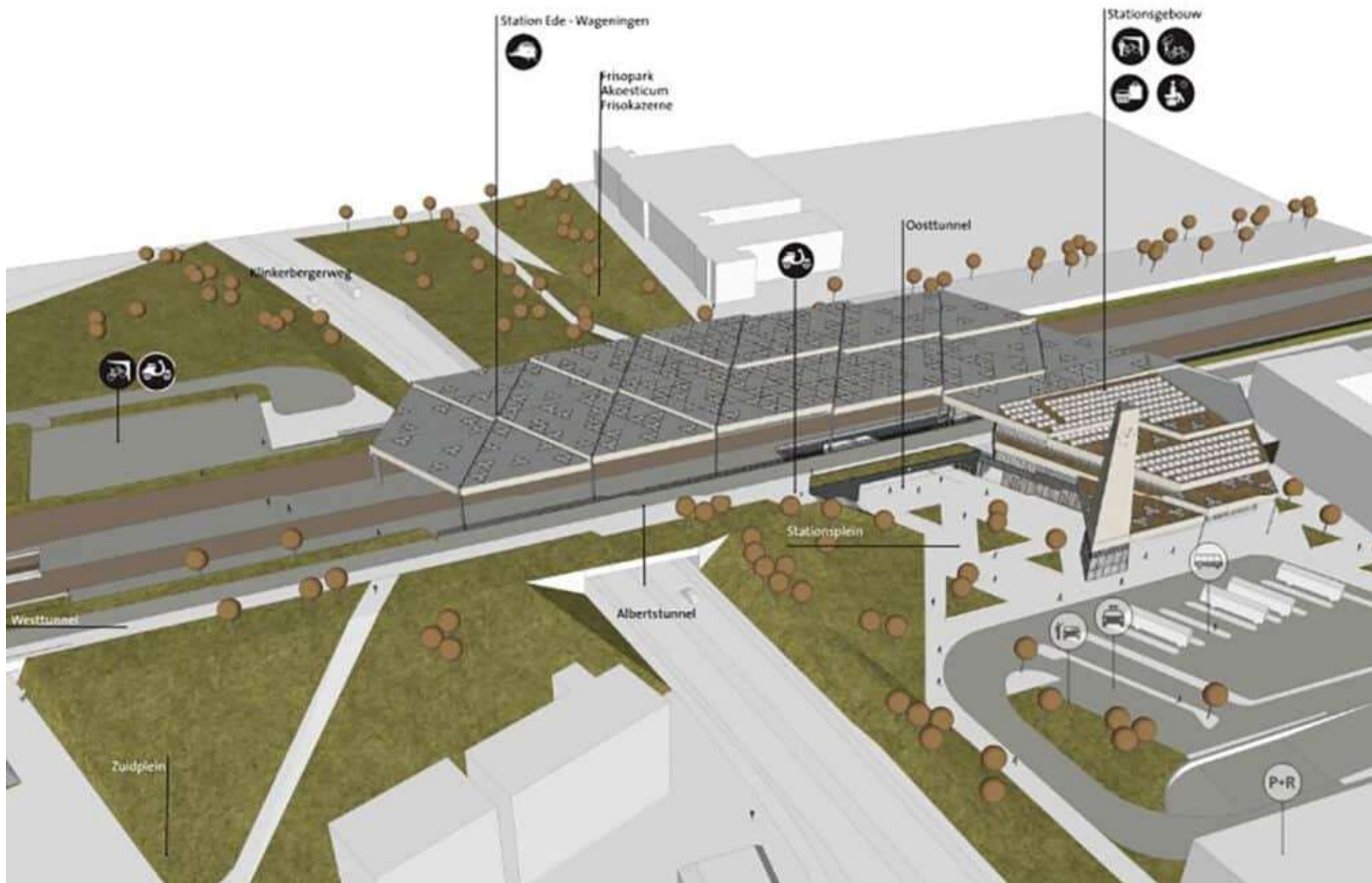


Station Ede-Wageningen

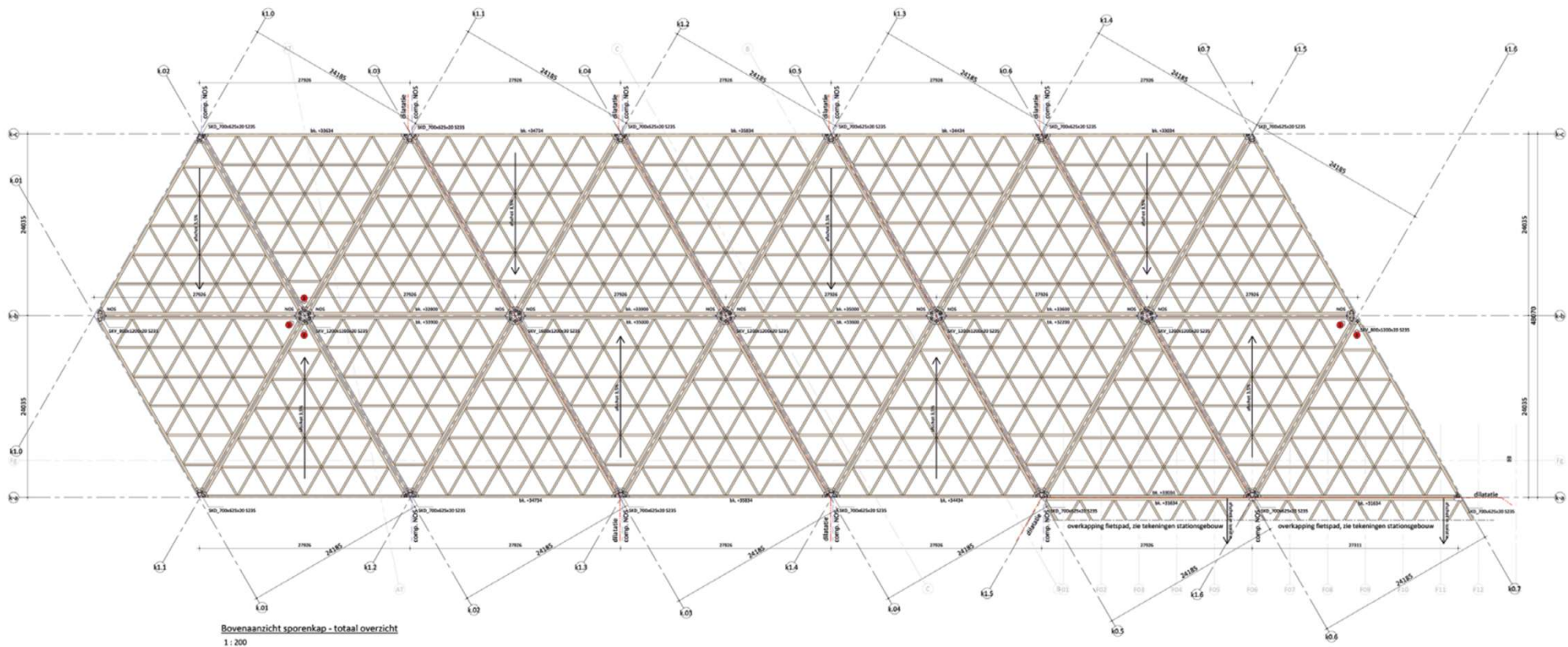
- Programma Hoogfrequent Spoorvervoer
- ProRail, NS, Gemeente Ede
- Architect: Mecanoo/Haskoning
- OC: Haskoning
- Aannemerscombinatie EdesPoort: VolkerWessels Infrastructuur en Van Wijnen
- Vakwerk Architecten
- CC: Aveco de Bondt



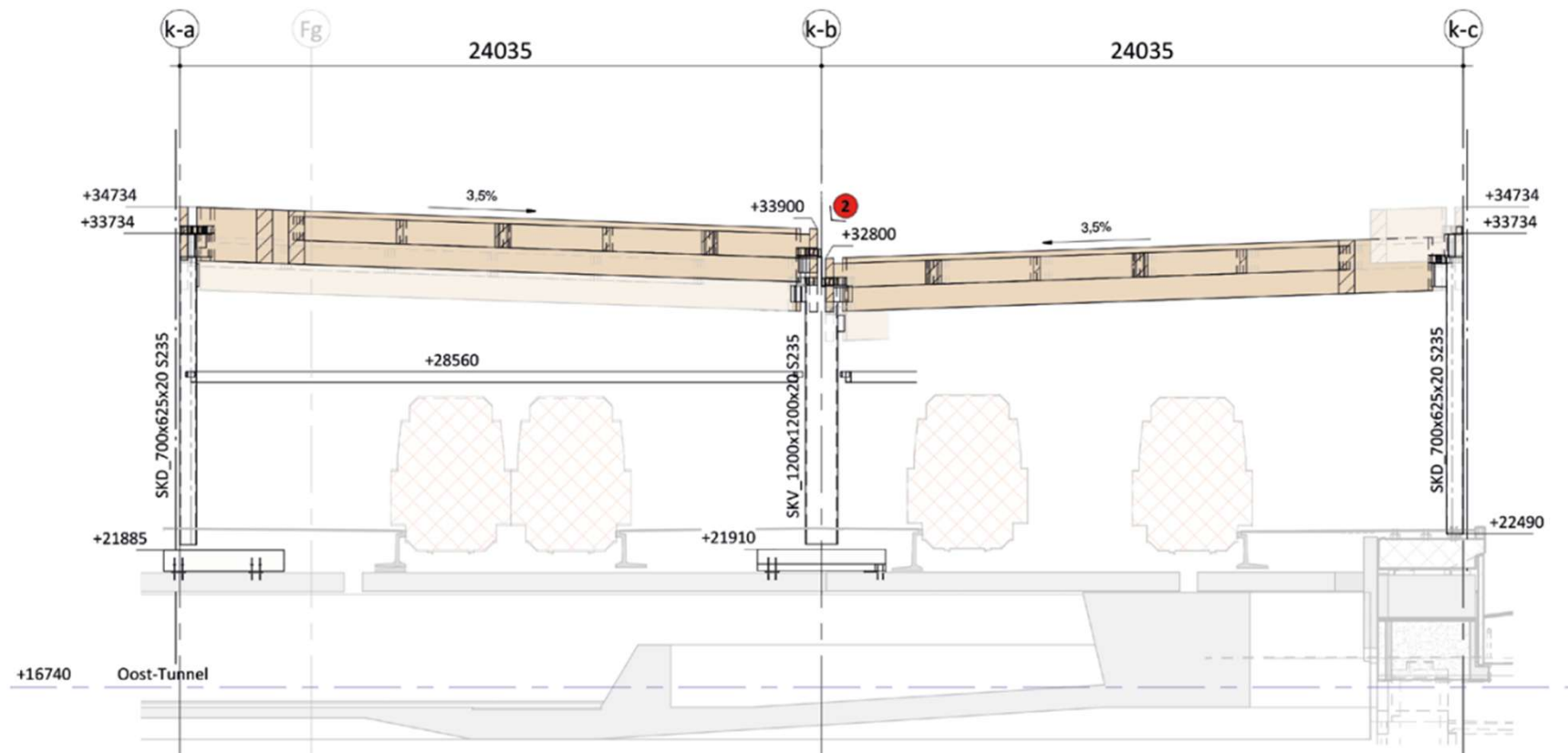
Programma Station Ede-Wageningen



Spooroverkapping

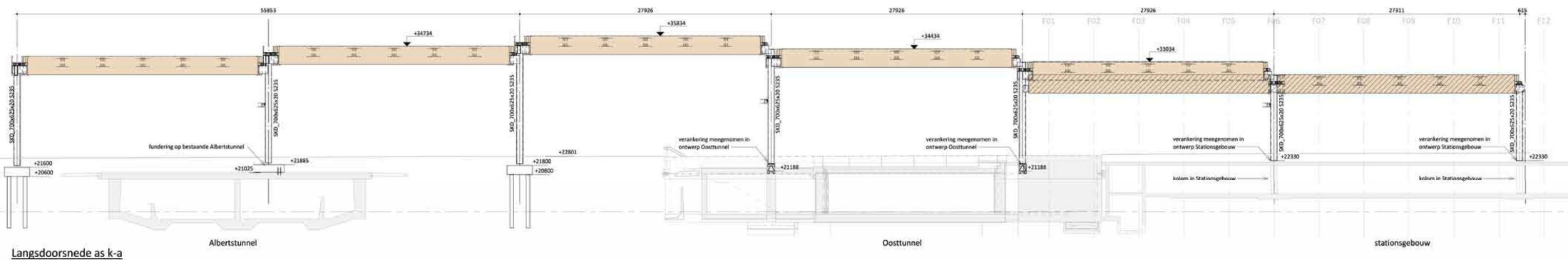


Dwarsdoorsnede

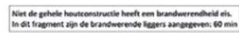


Dwarsdoorsnede Albertstunnel

Langsdoorsnede



Driehoeken

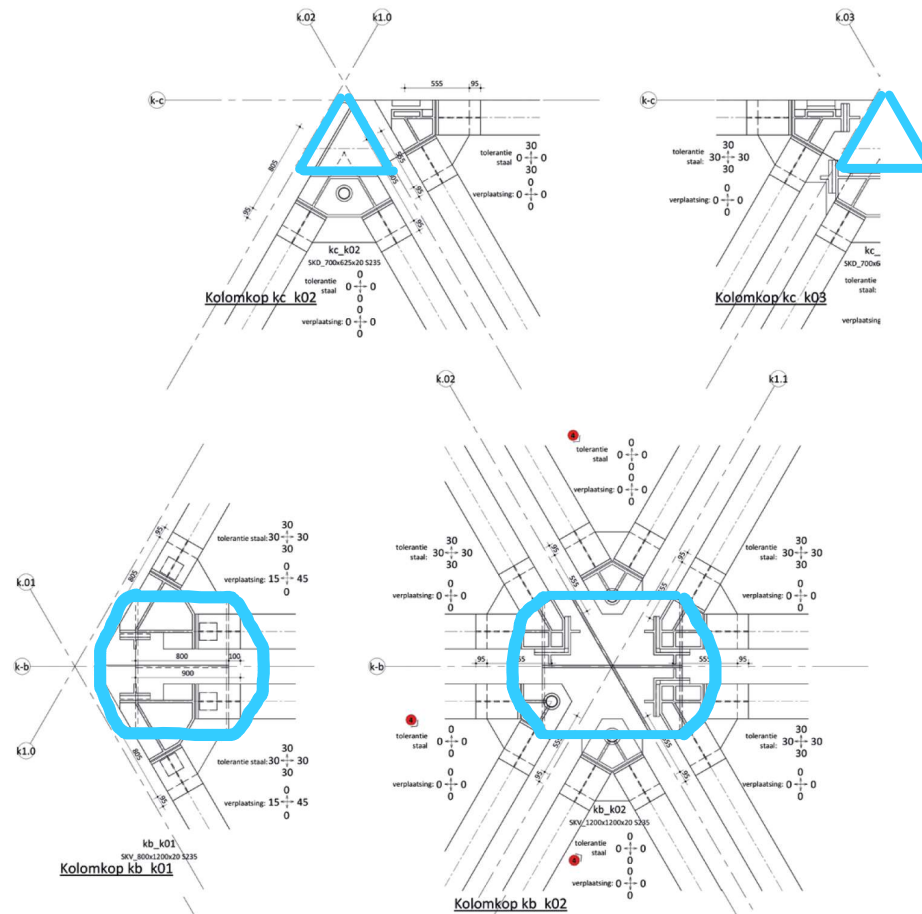


principe fragment van toepassing voor de gehele kapconstructie

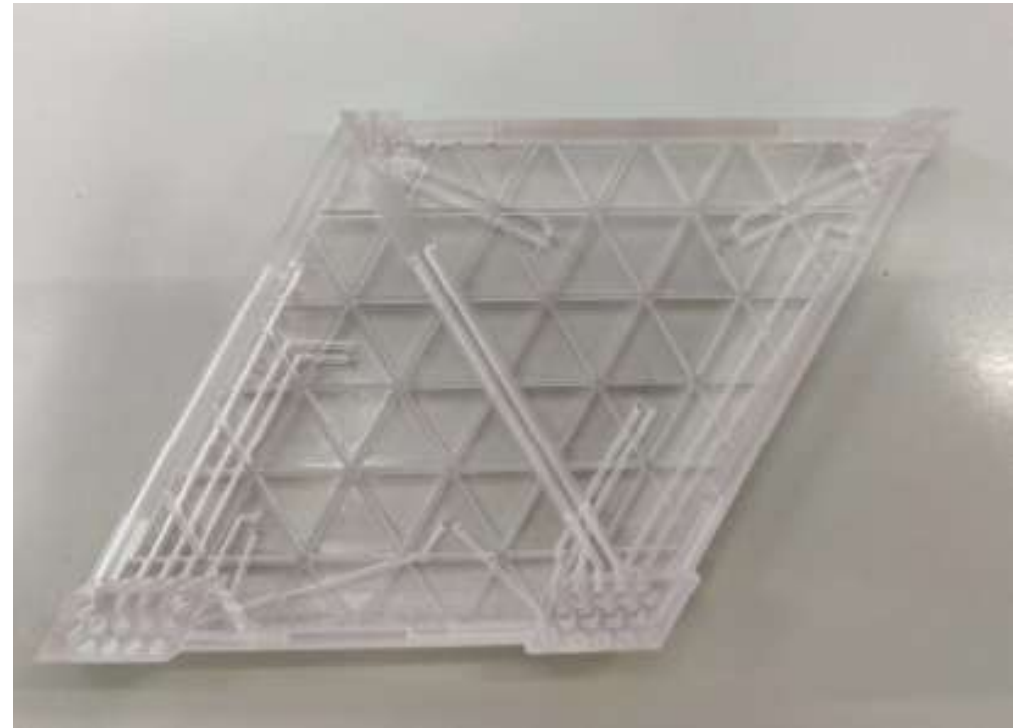
Bovenaanzicht sporenkap - principe fragment

1 : 100

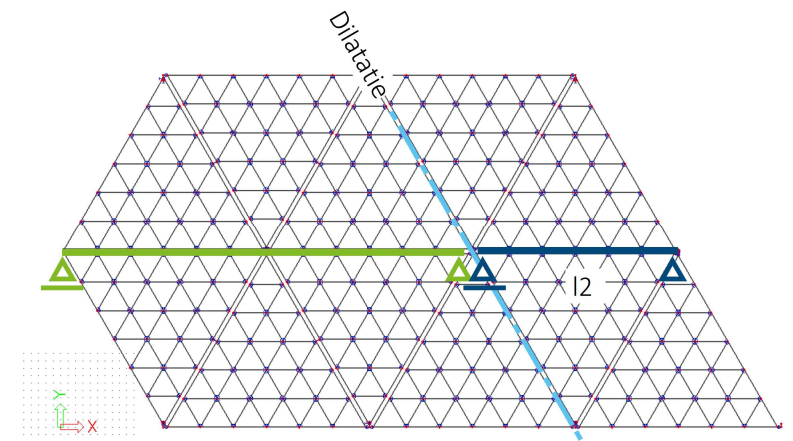
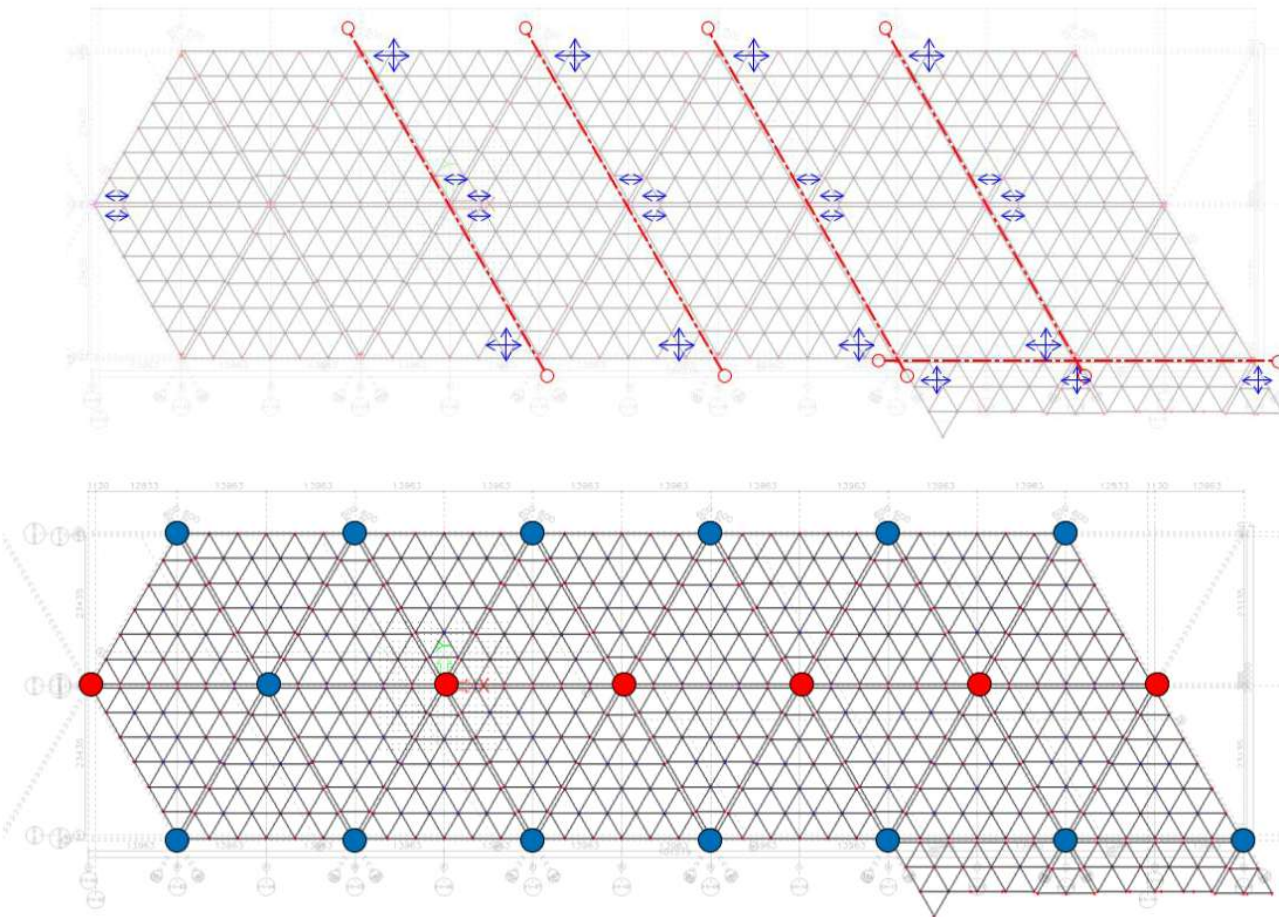
Kolommen



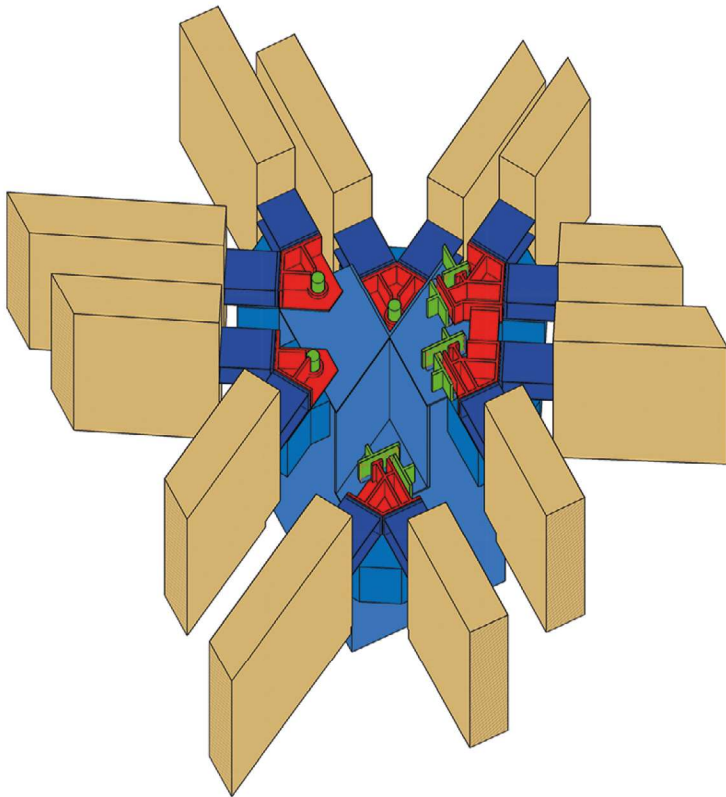
Windtunnelonderzoek



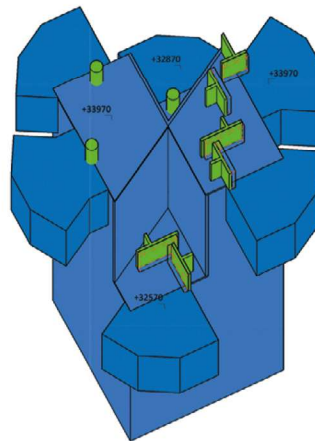
Stabiliteit



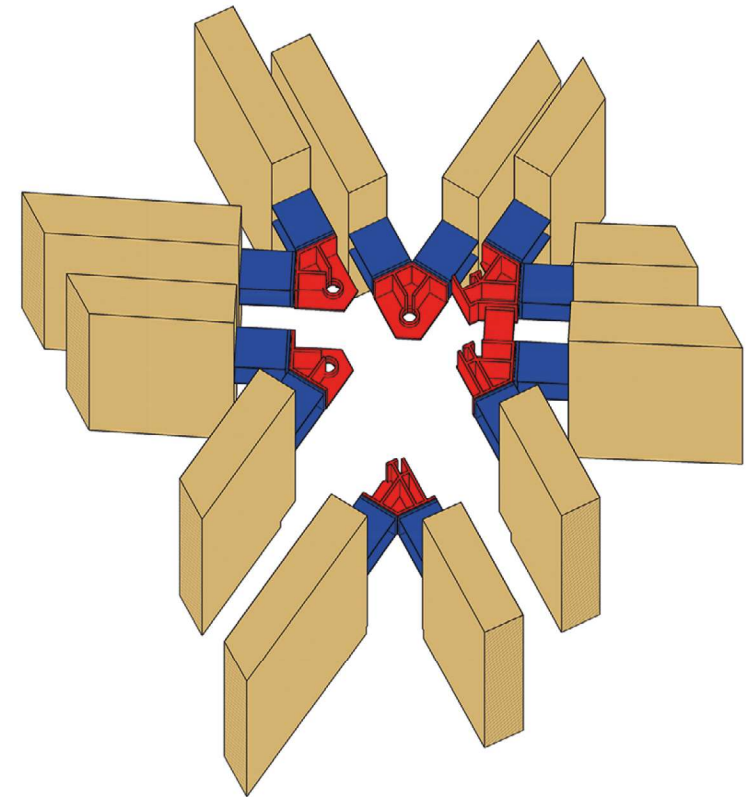
Samenstelling



3D aanzicht - kolomkop totaal

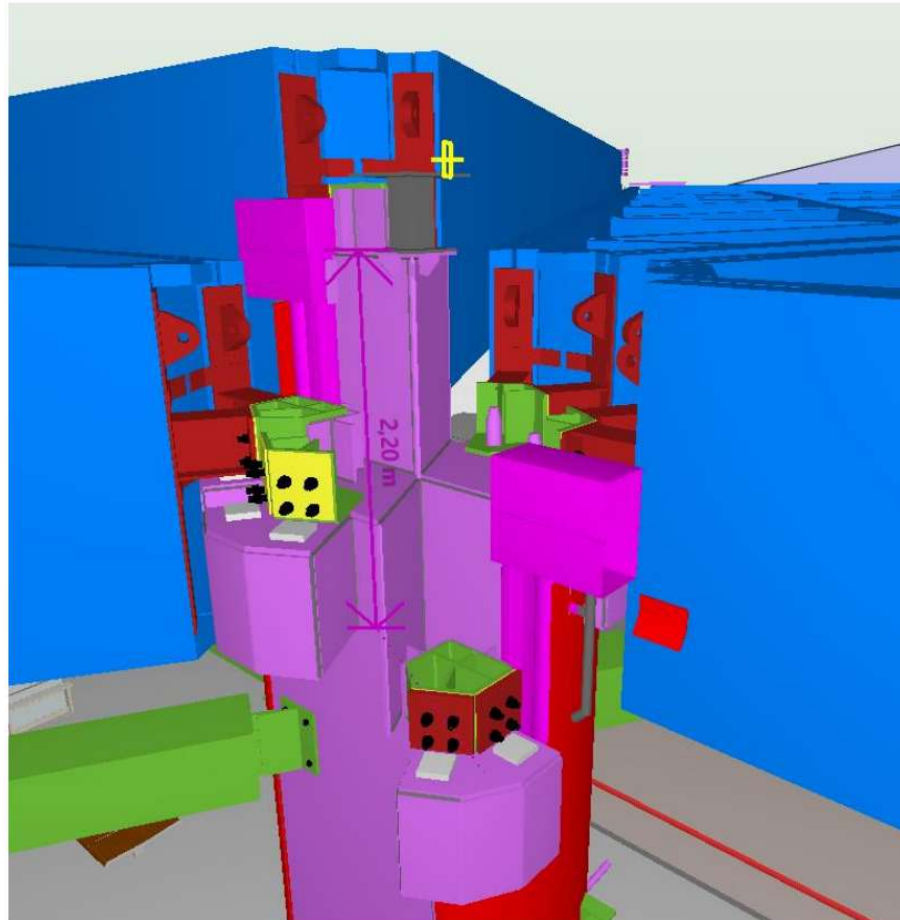


3D aanzicht - alleen kolomkop

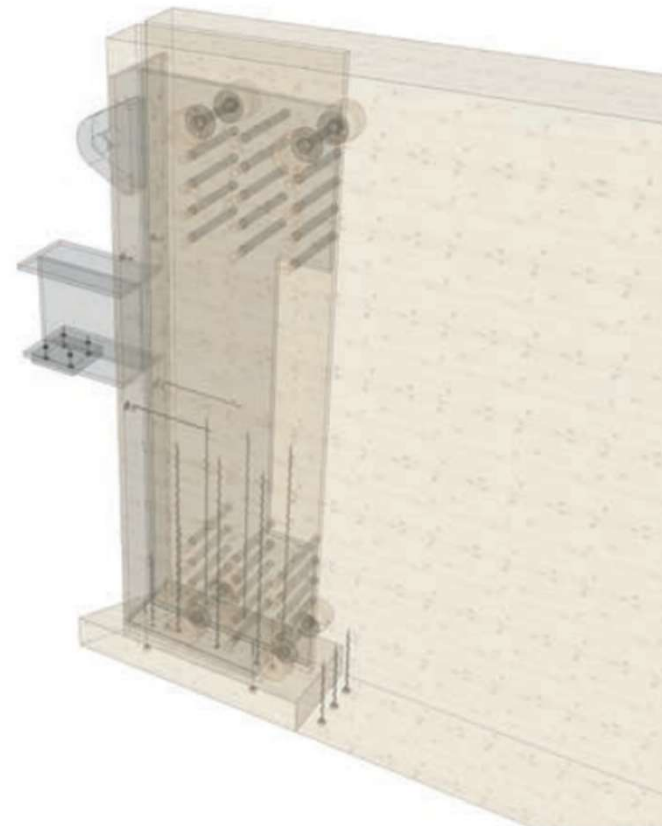
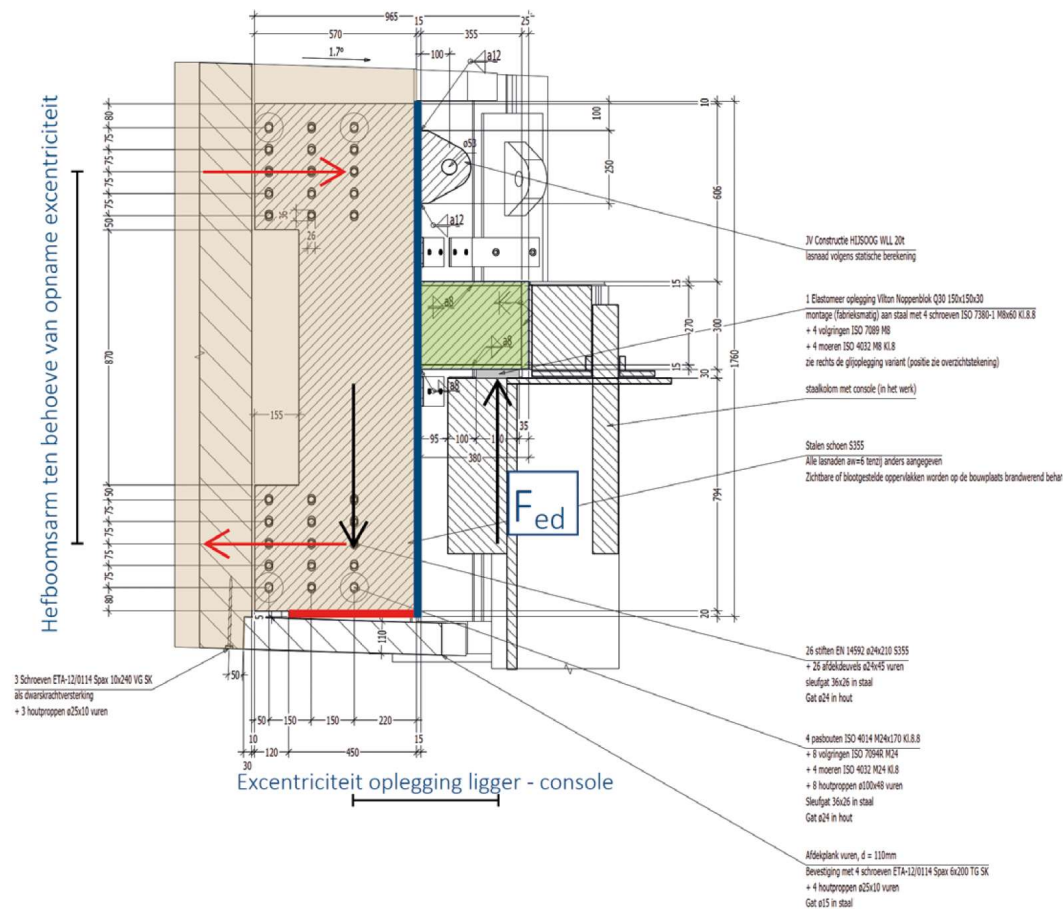


3D aanzicht - alleen oplegging driehoeken

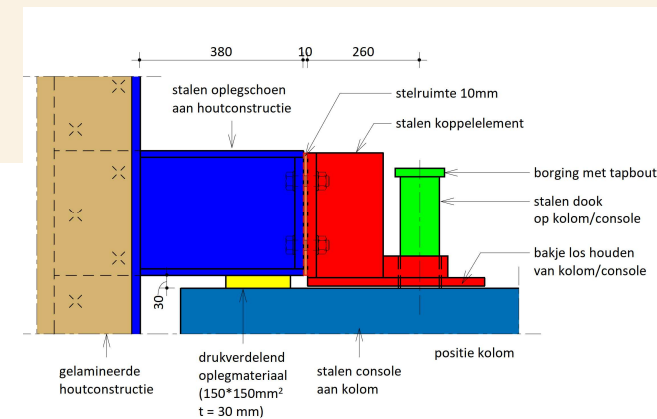
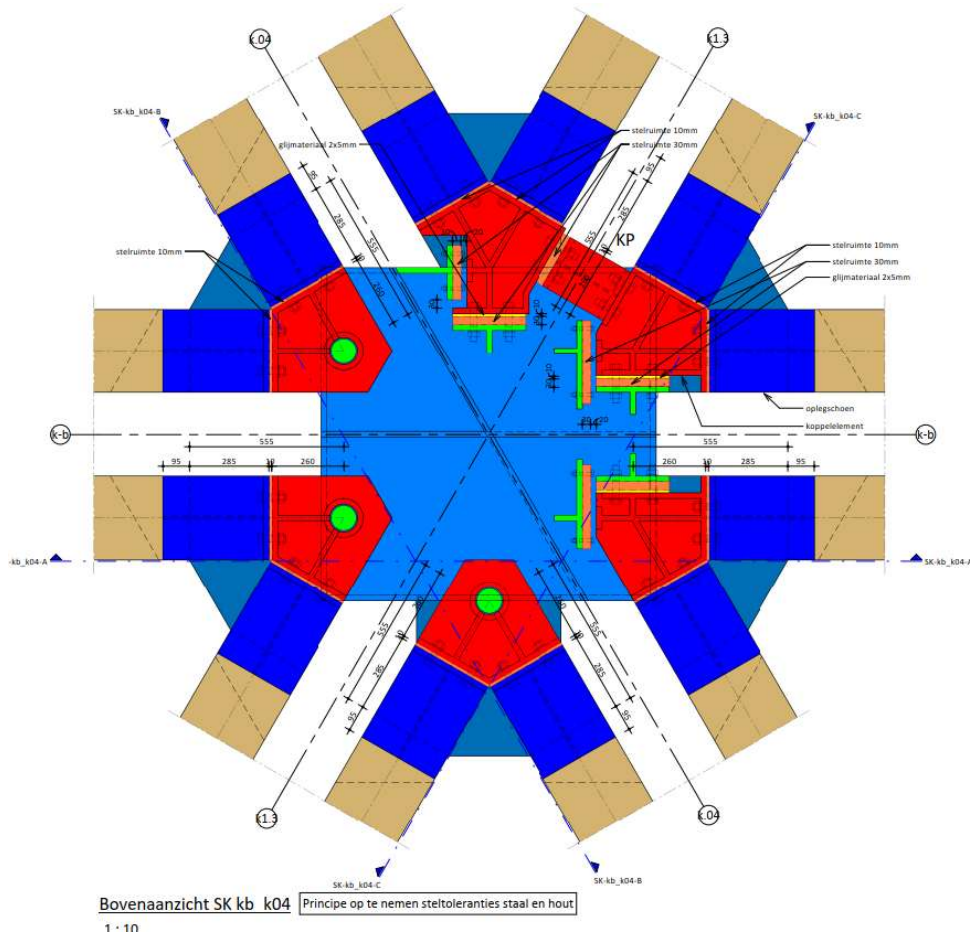
Verspringende opleggingen



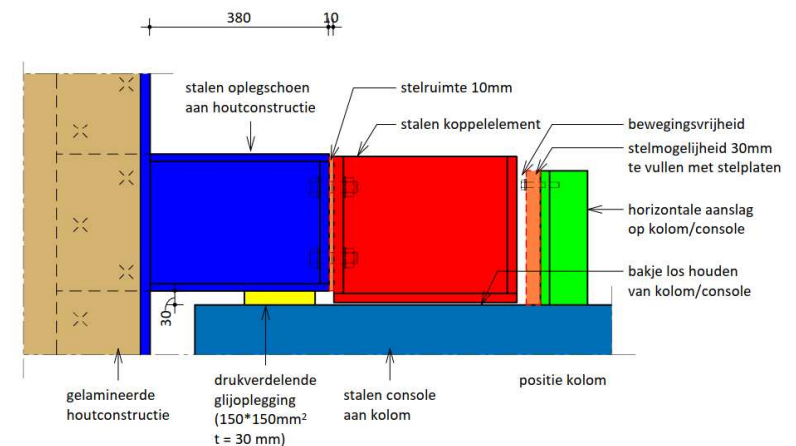
Verbinding hout-staal



Opleggingen

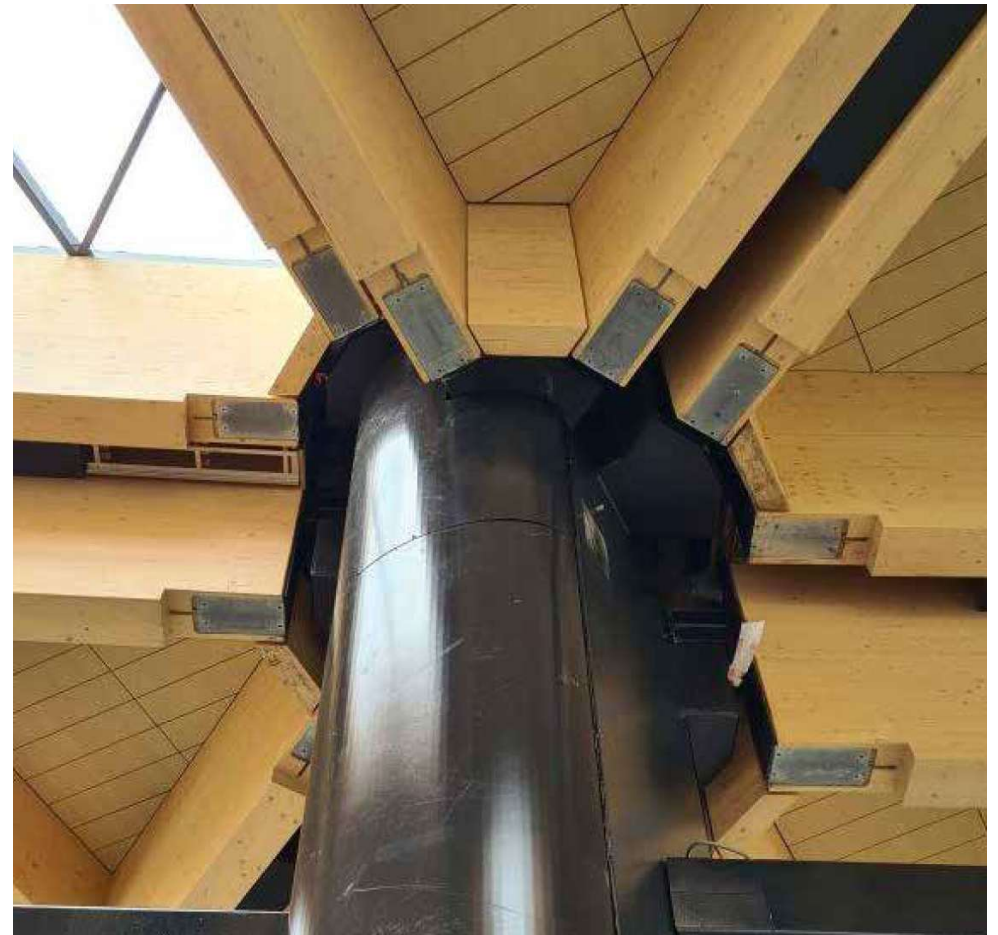
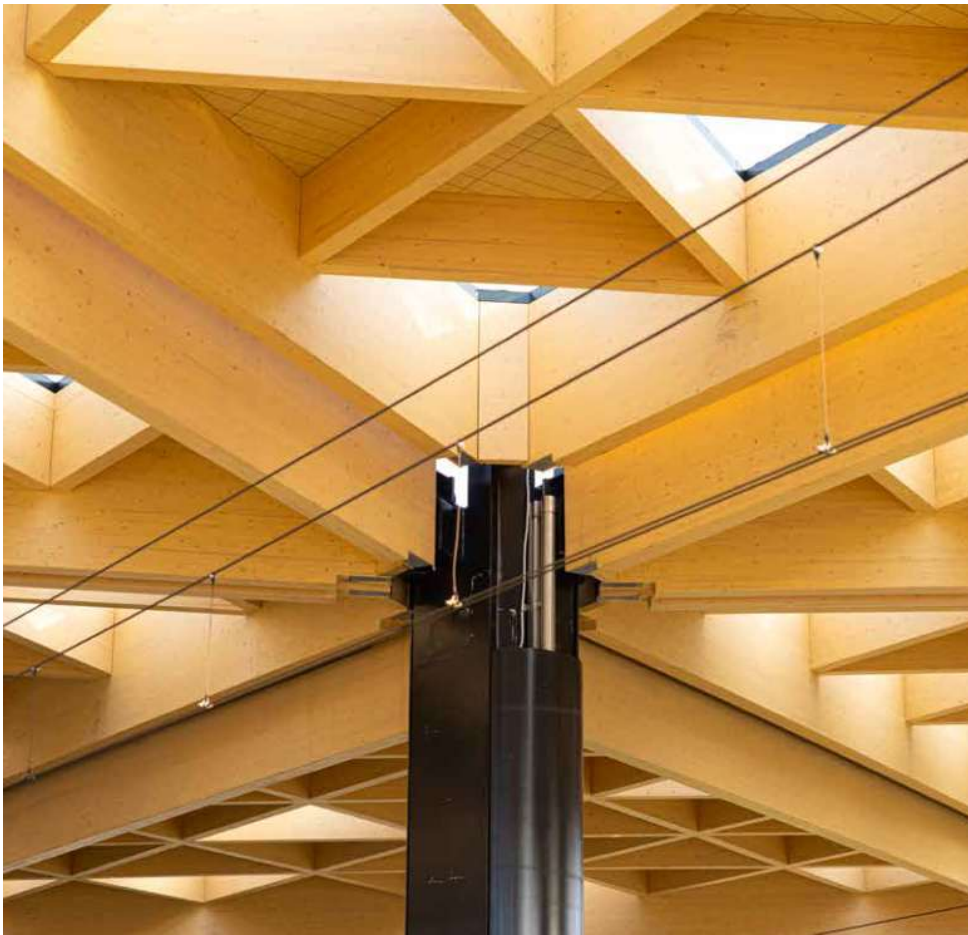


bevestiging vast punt
zonder stelmogelijkheid



bevestiging met bewegingsvrijheid: $\longleftrightarrow$
met stelbaarheid (in de zelfde richting)

Resultaat



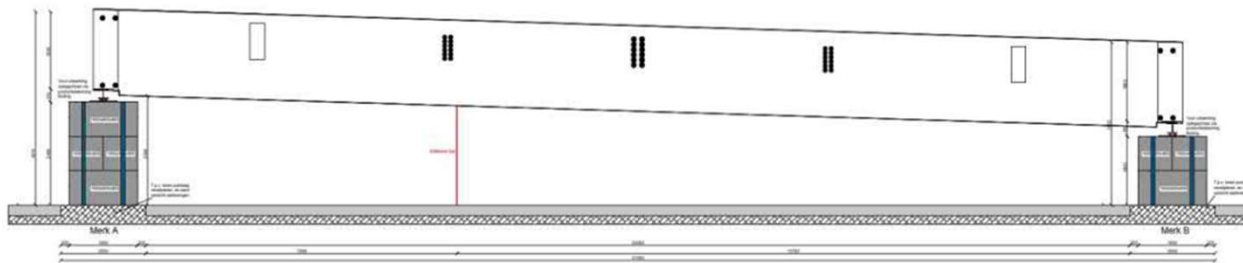
Bescherming zijkanten

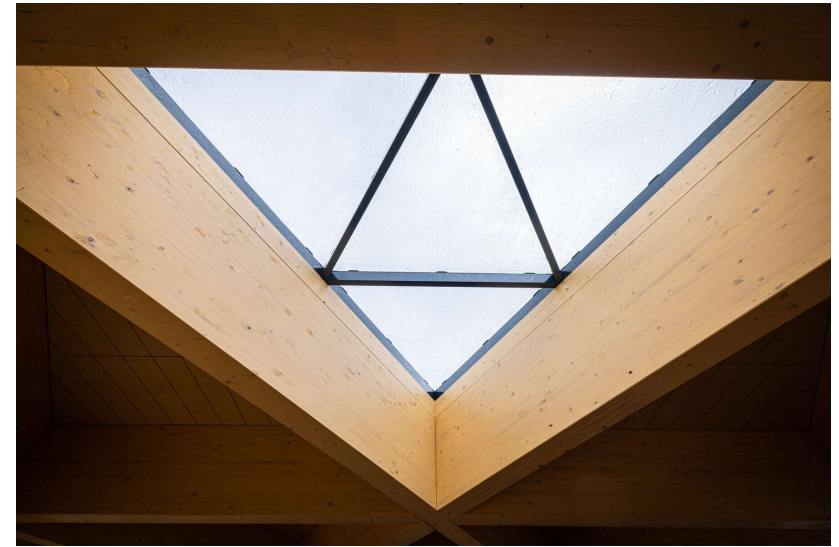






Voorbouw





Montage





