



DANSK STÅLDAG 2012

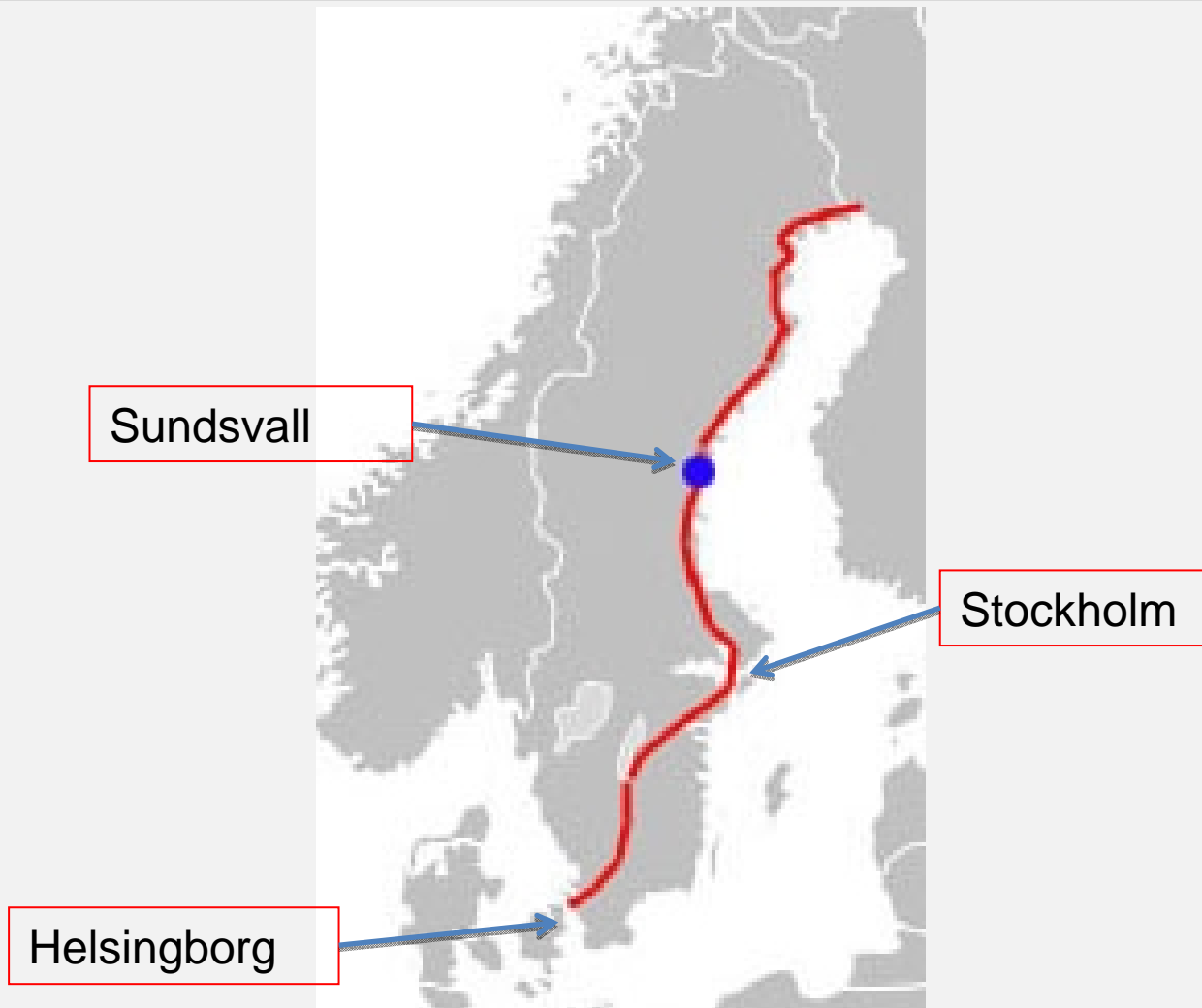
Bro over Sundsvallfjorden, Sverige

HILMER JUNG LARSEN, Civ. Ing.

ISC Rådgivende Ingeniører A/S, København

ISC
Innovative Engineering

EUROPAVEJ E4



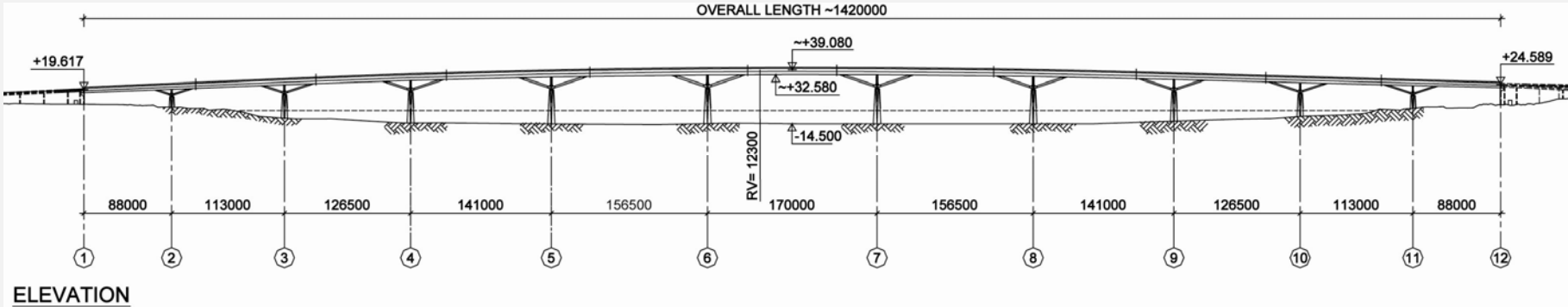
UDBYGNING AF E4 VED SUNDSVALL



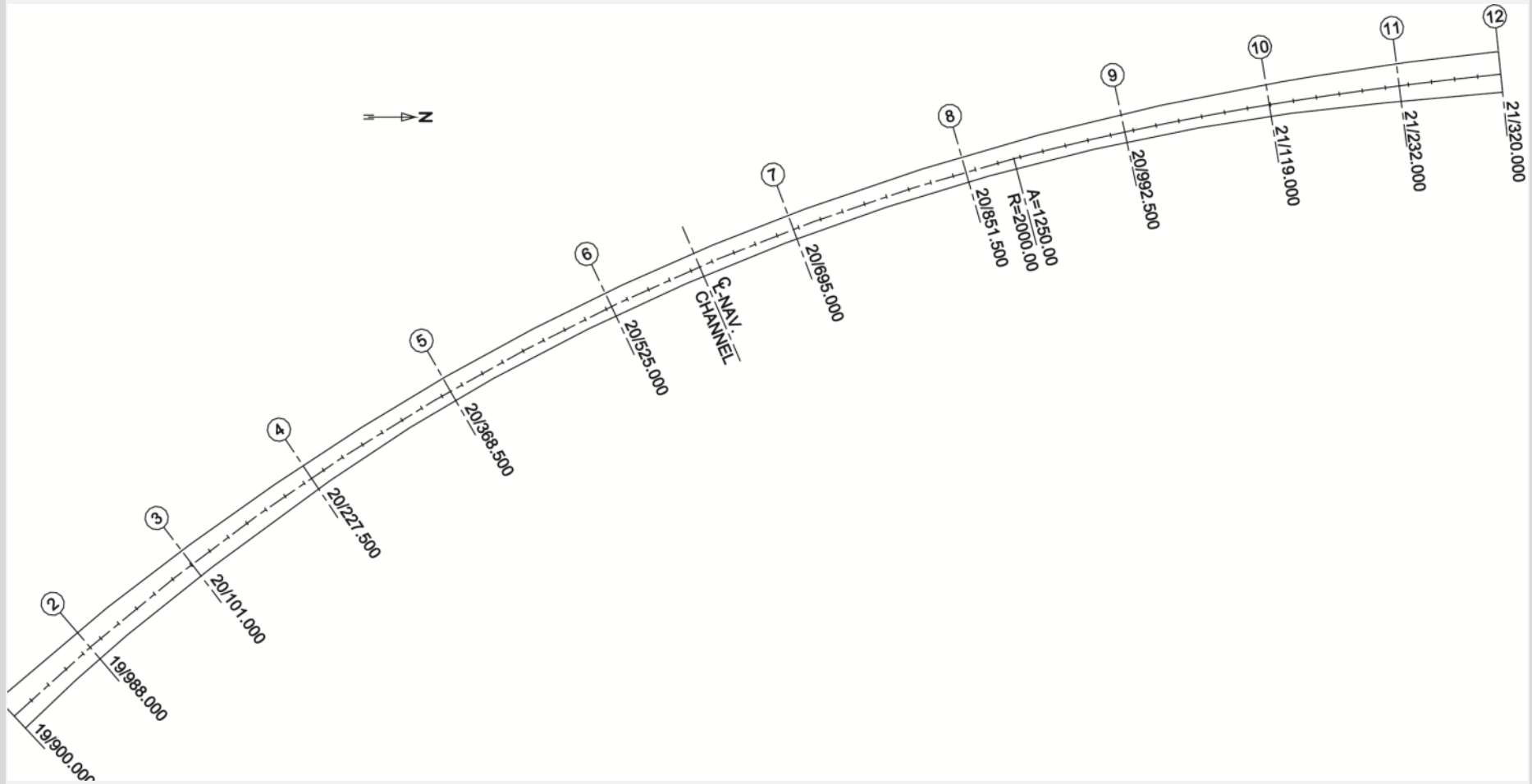
VISUALISERING AF SUNDSVALL BROENS OVERBYGNING



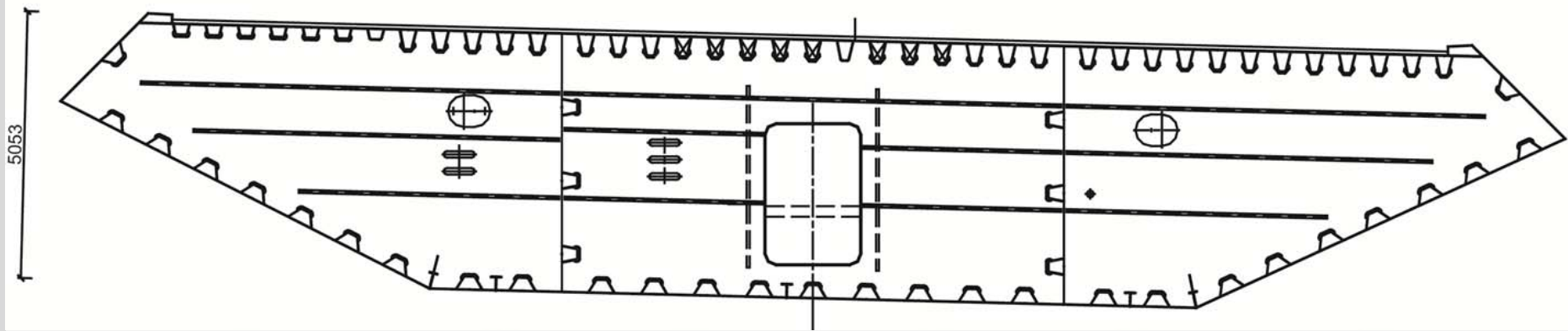
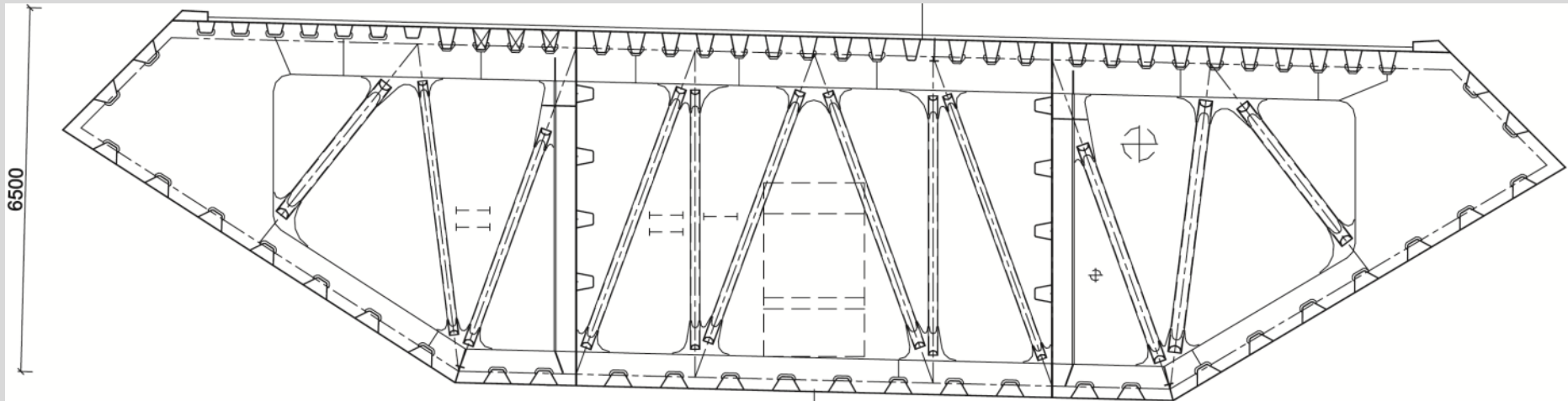
OPSTALT



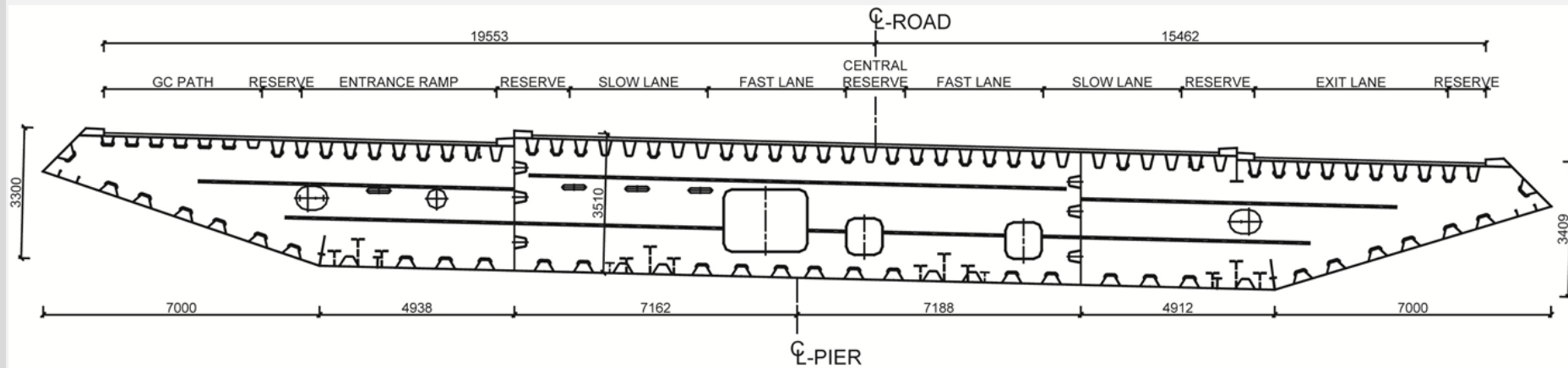
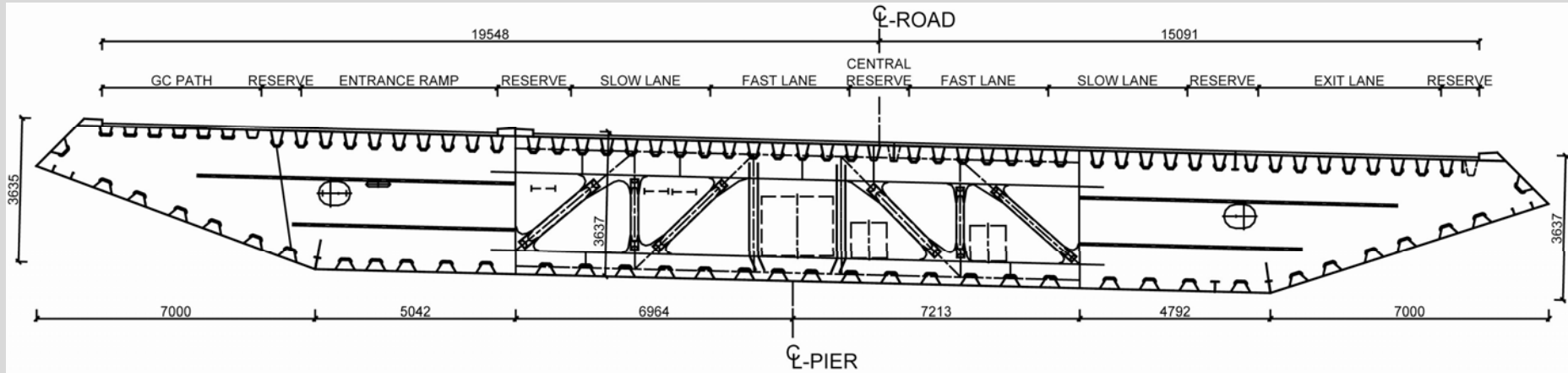
PLAN



TVÆRSNIT I BROFAG 2-10



TVÆRSNIT I FAG 1 OG 11

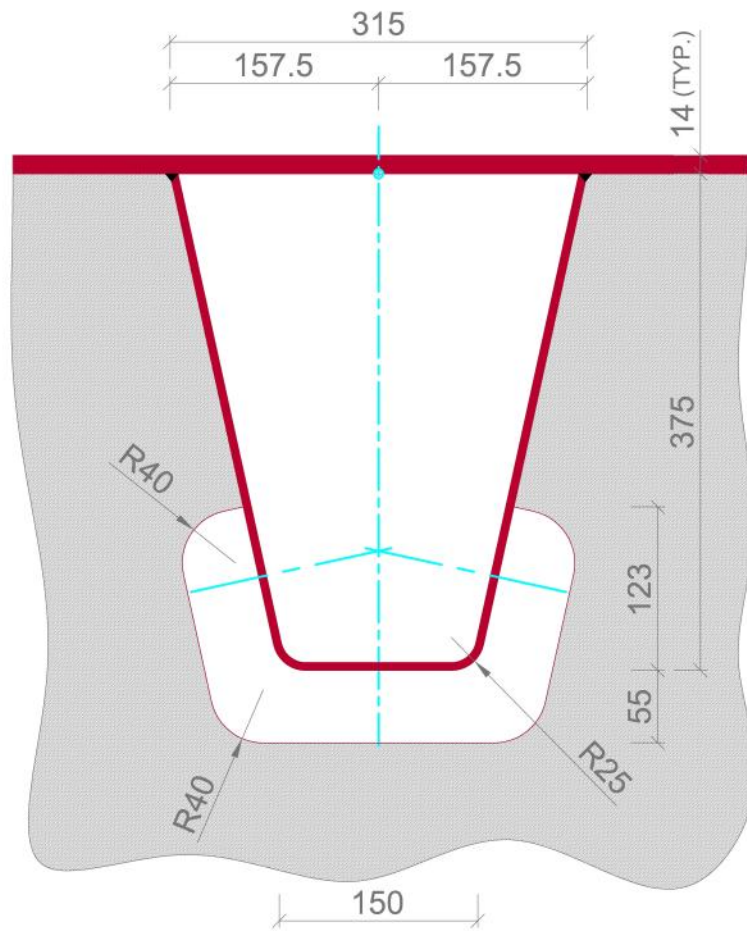


PRÆFABRIKERET ELEMENT

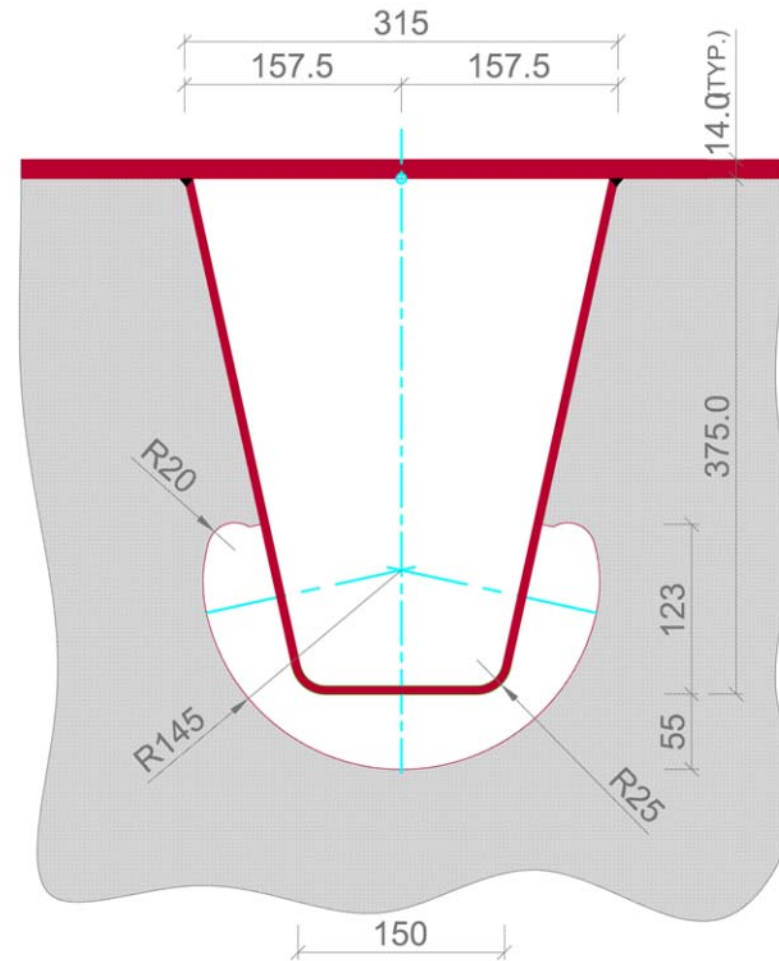


AFSTIVNING AF BRODÆK

TRAPEZ-FORMET UDKAP

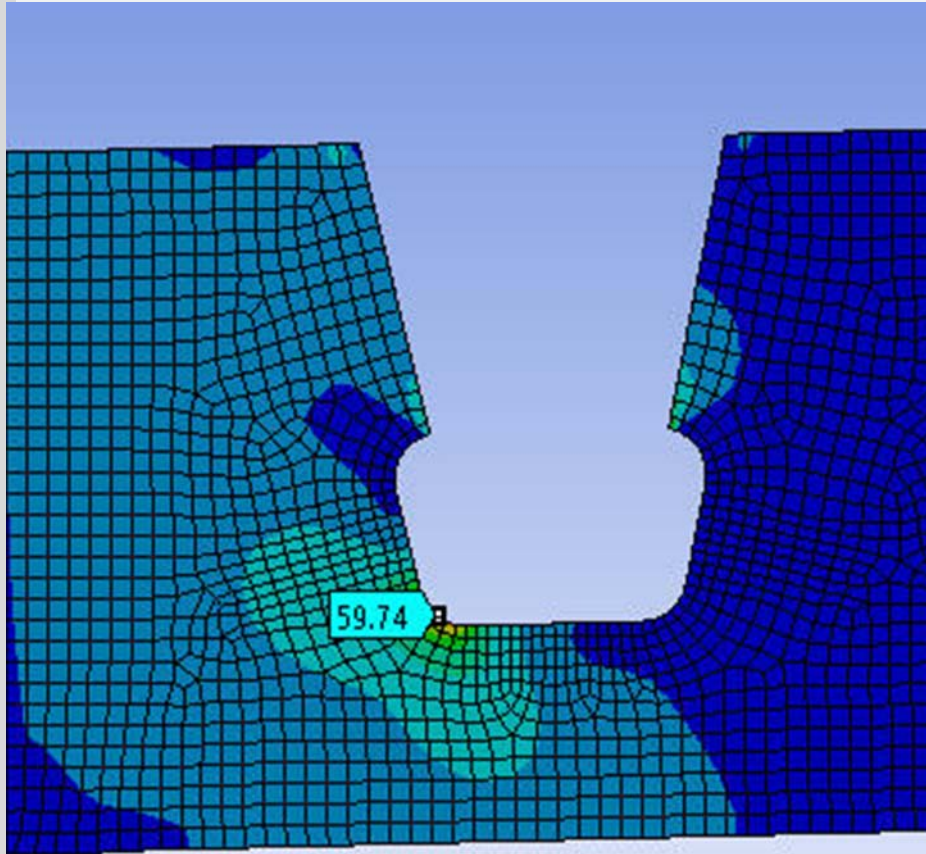


CIRKULÆRT UDKAP

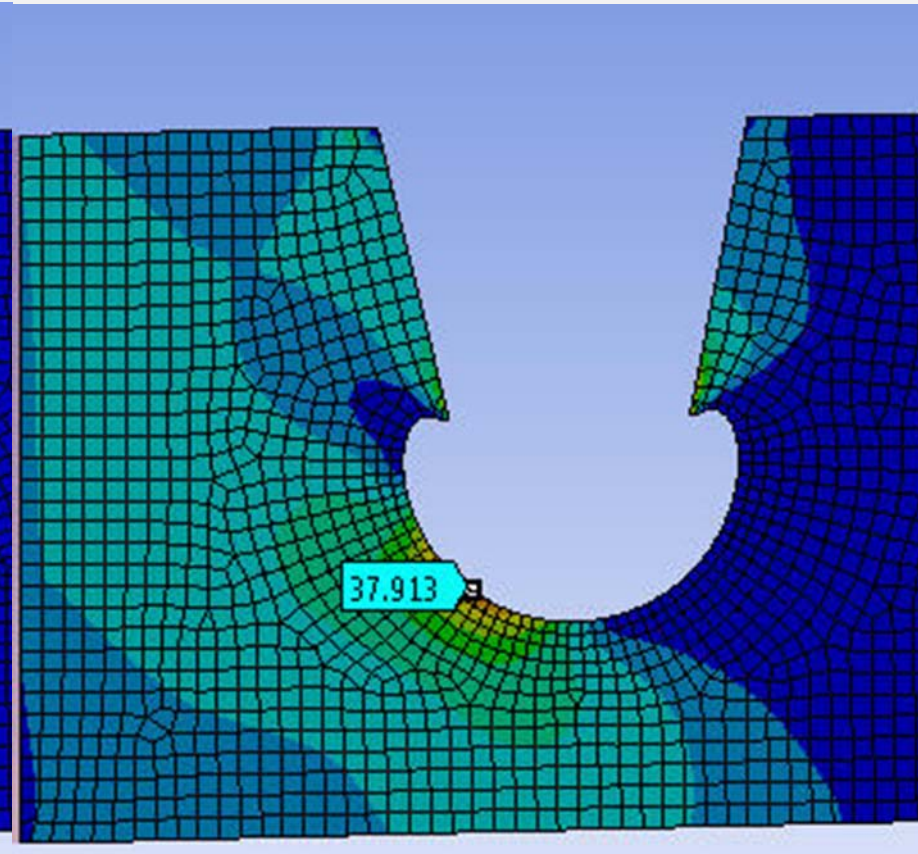


SPÆNDINGSBILLEDE VED UDKAP

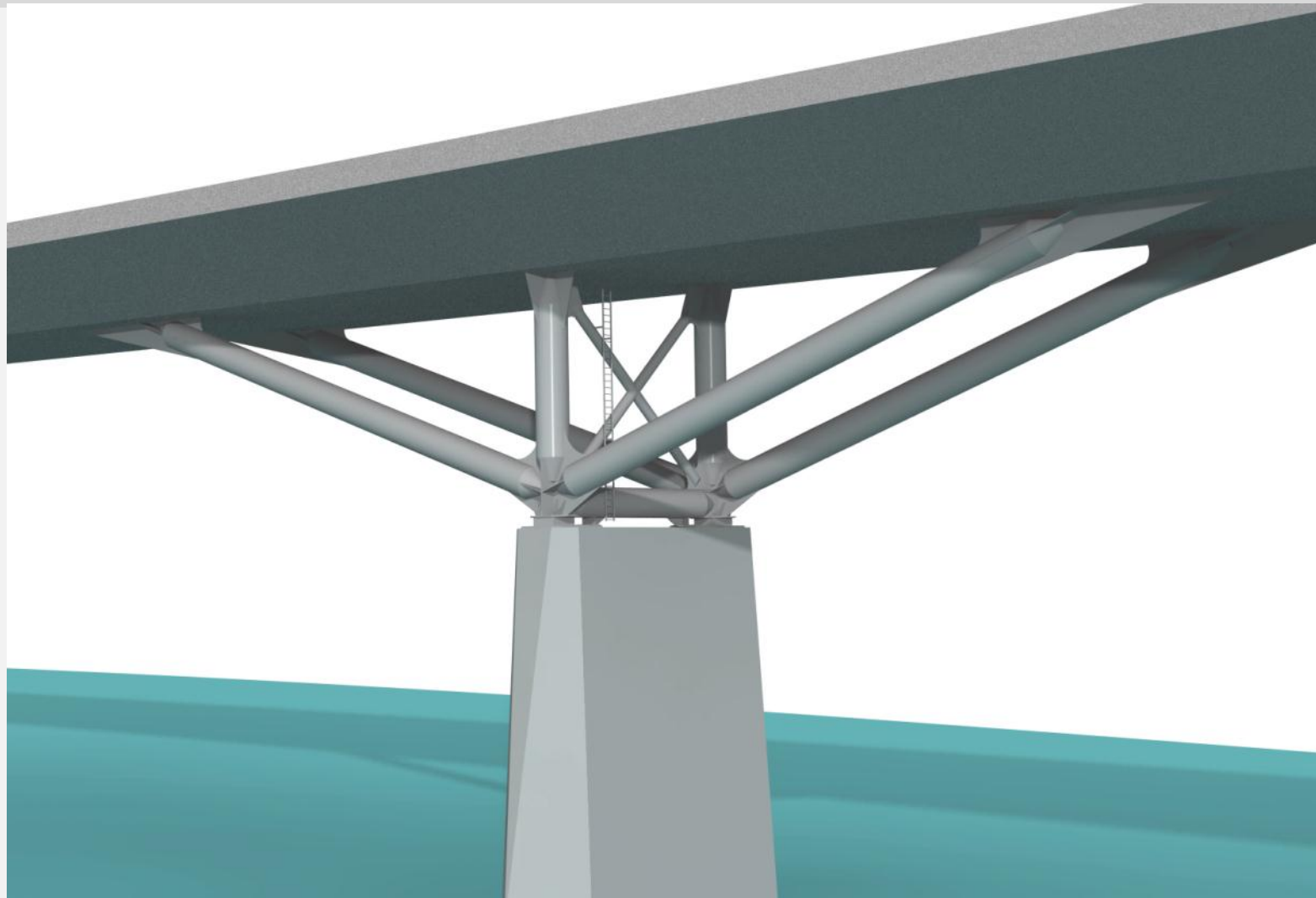
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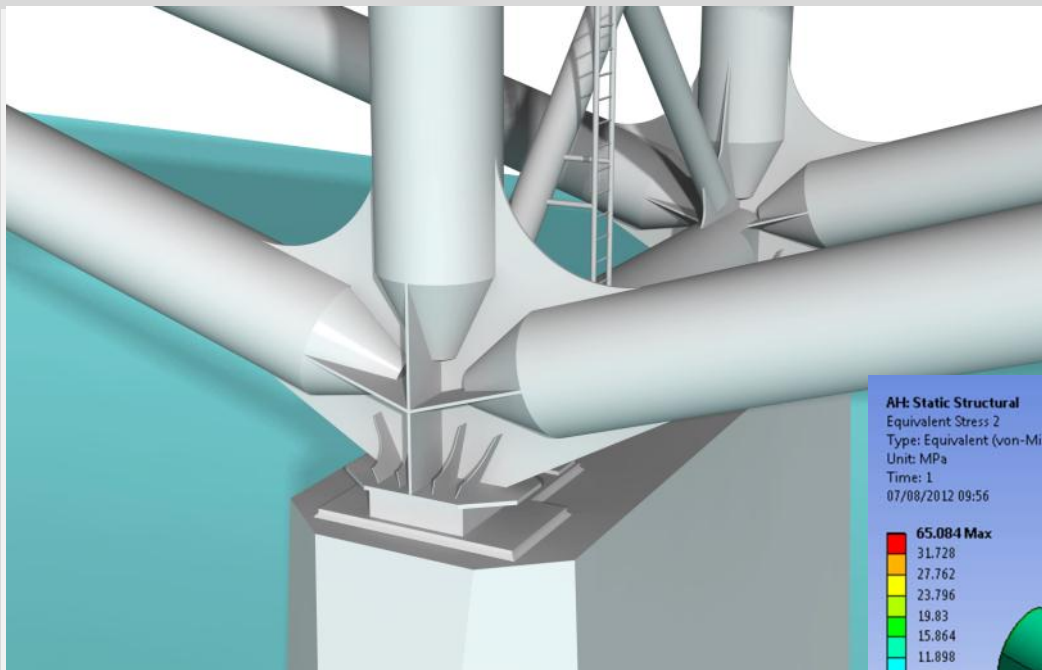
CIRKULÆRT UDKAP



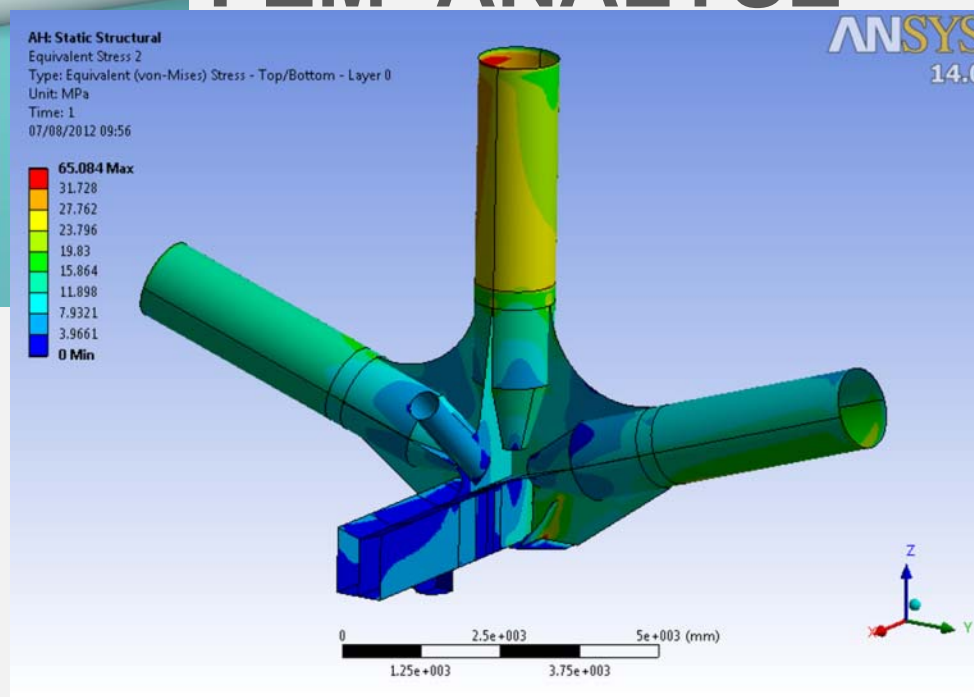
V – FORMET UNDERSTØTNING



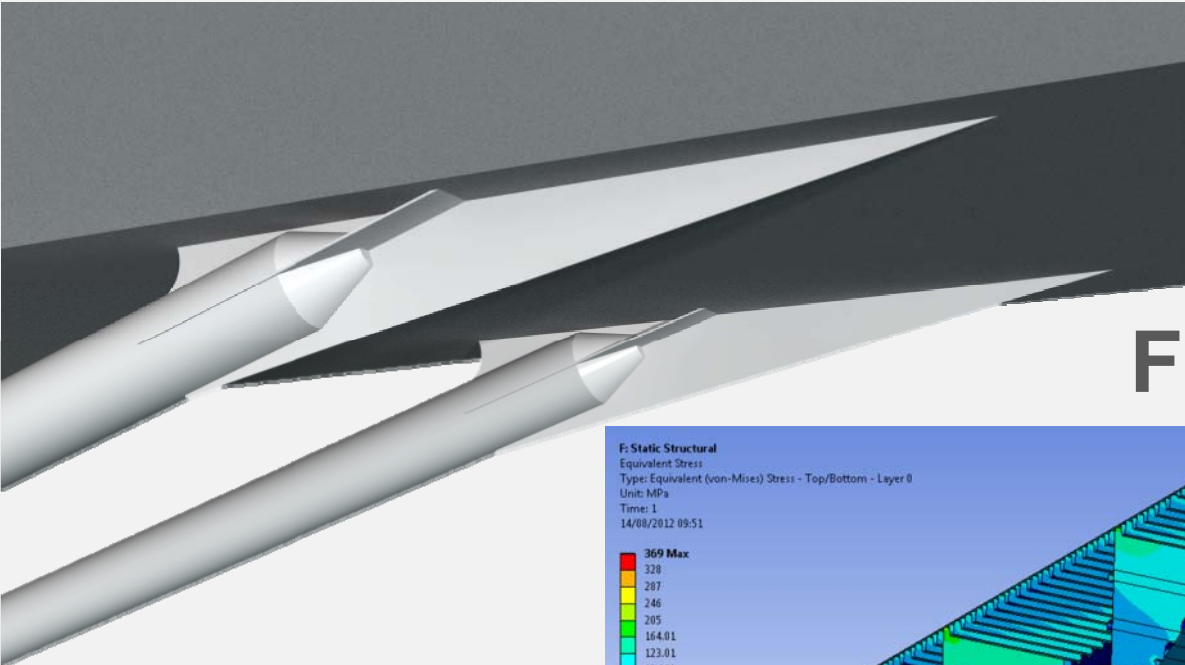
DETAIL VED UNDERSTØTNING - RØRSAMLINGER



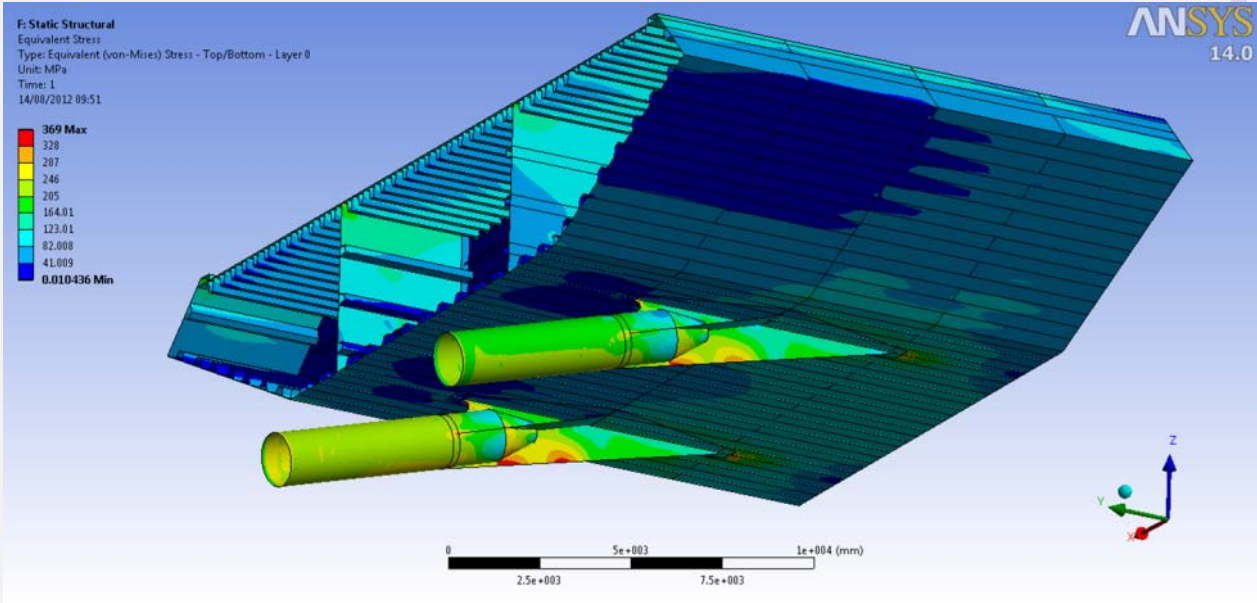
FEM ANALYSE



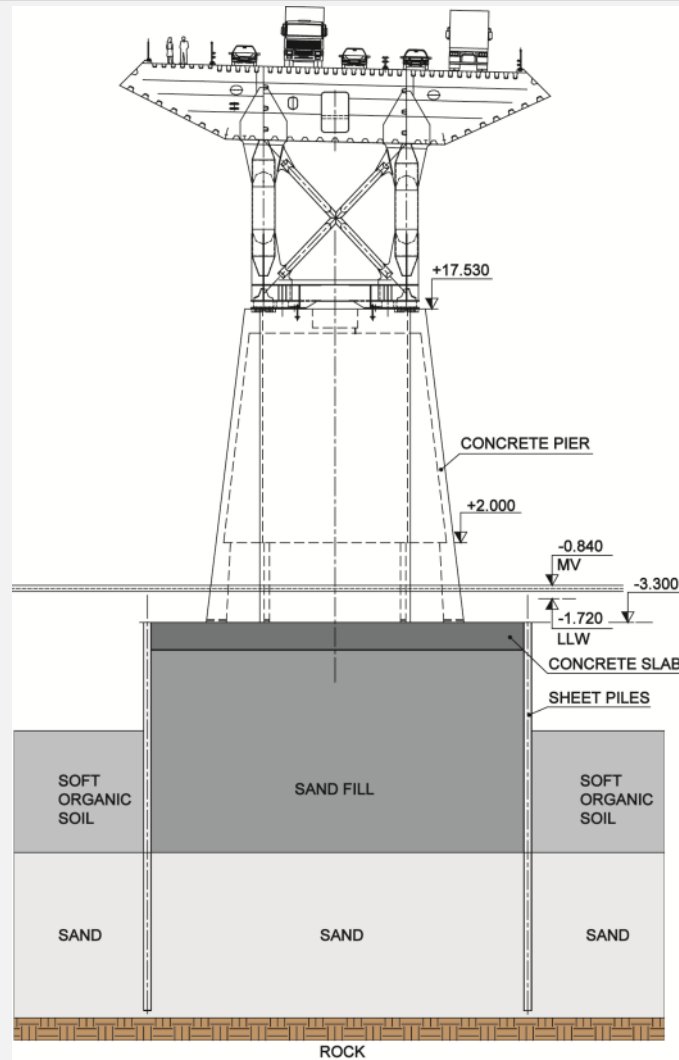
SAMLING MELLEM KASSEDRAGER OG STAG



FEM ANALYSE



TVÆRSNIT VED PILLE



VÆRKSTED I NEUMARKT/SENGENTHAL



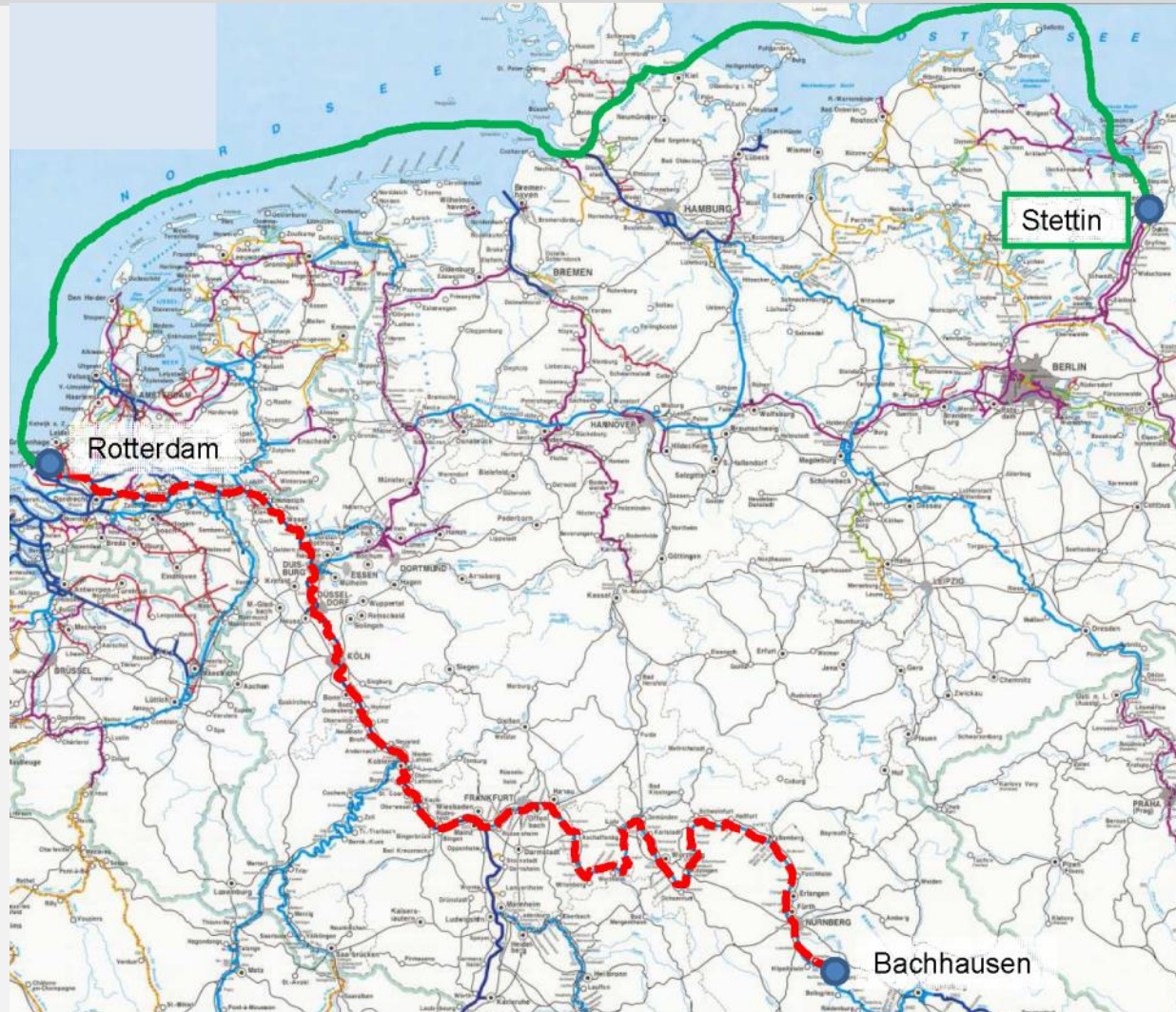
PÅ VEJ TIL KANALEN VED BACHHAUSEN



BROELEMENTER PÅ VEJ TIL ROTTERDAM



TRANSPORTRUTEN FRA BACHHAUSEN VIA ROTTERDAM TIL STETTIN



ANKOMST TIL SAMLEPLADSEN I STETTIN



SAMLEPLADSEN I STETTIN



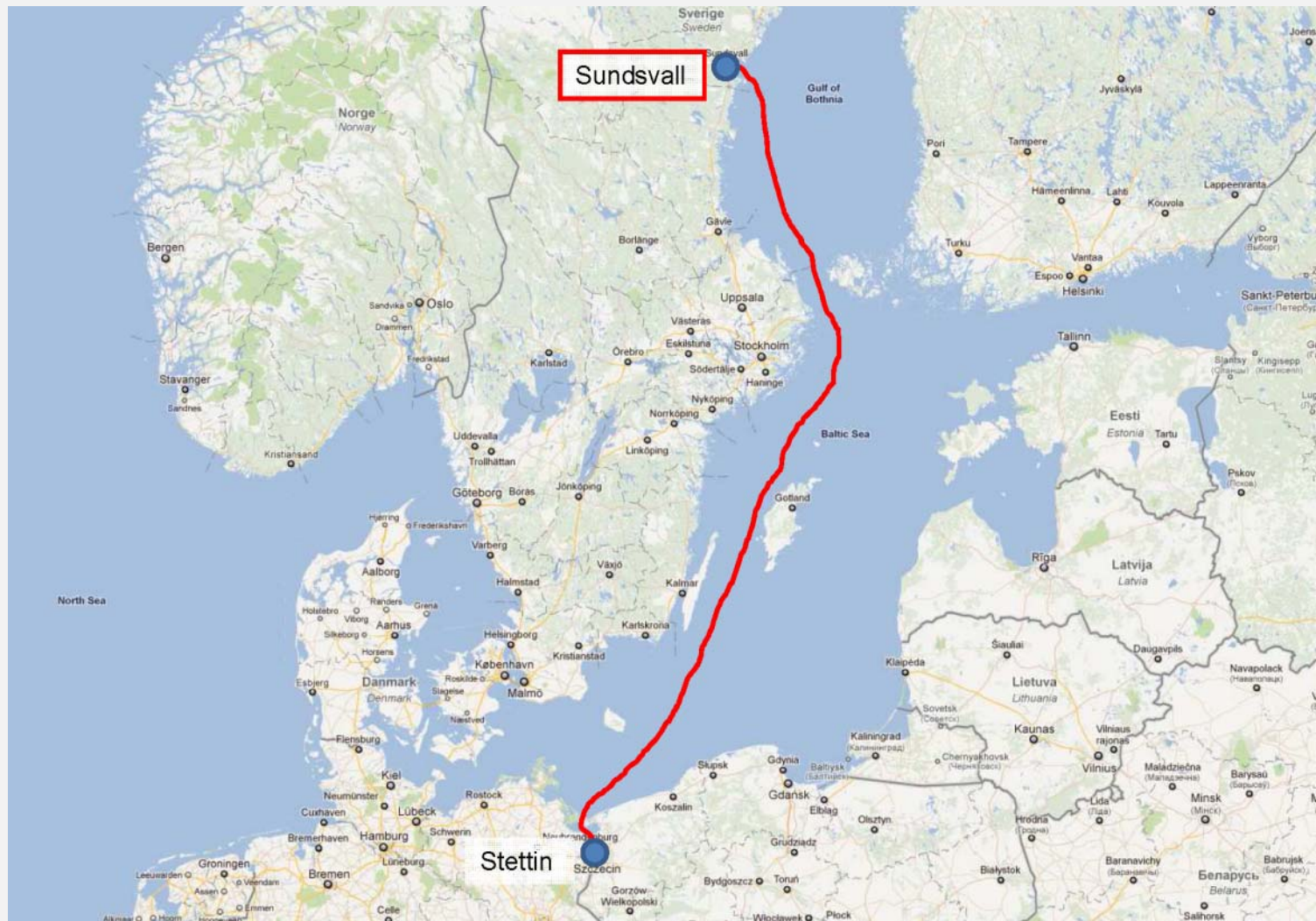
BROSEKTION I STETTIN



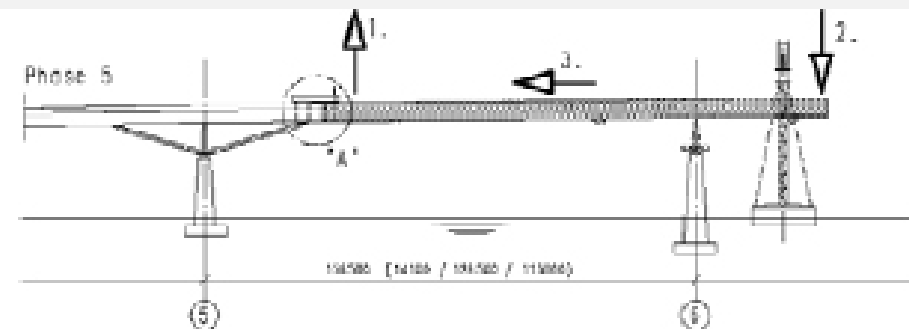
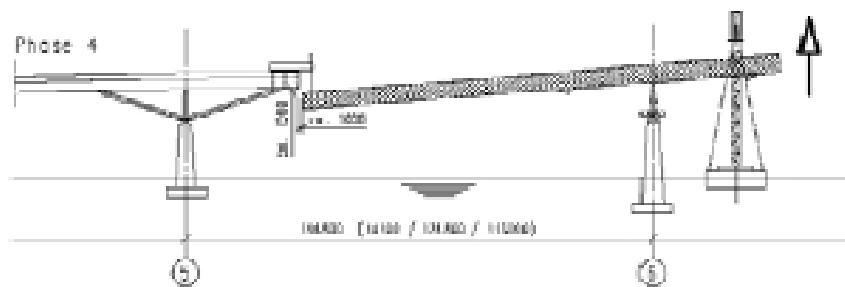
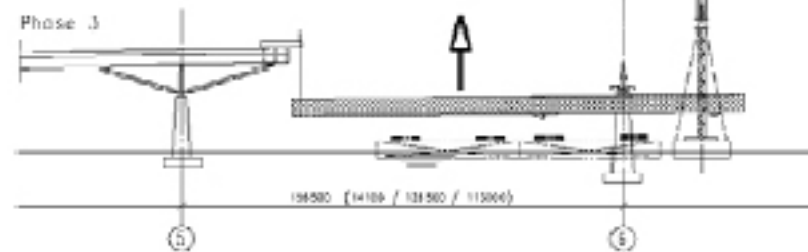
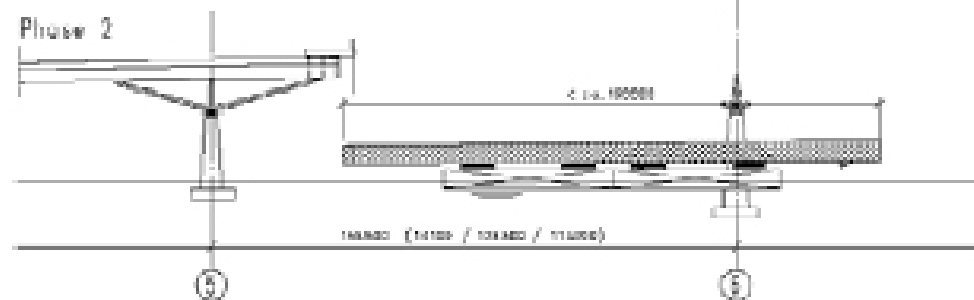
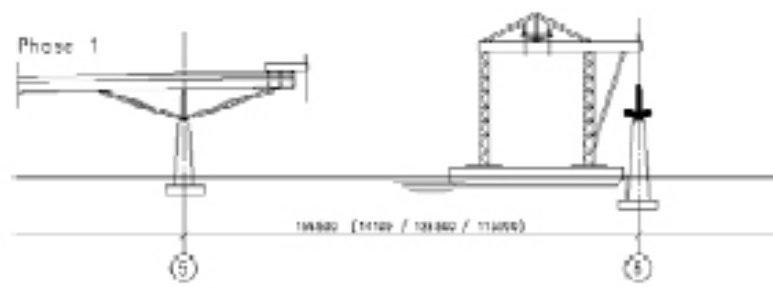
FLYTNING AF BROSEKTION MOD FLODBREDDEN



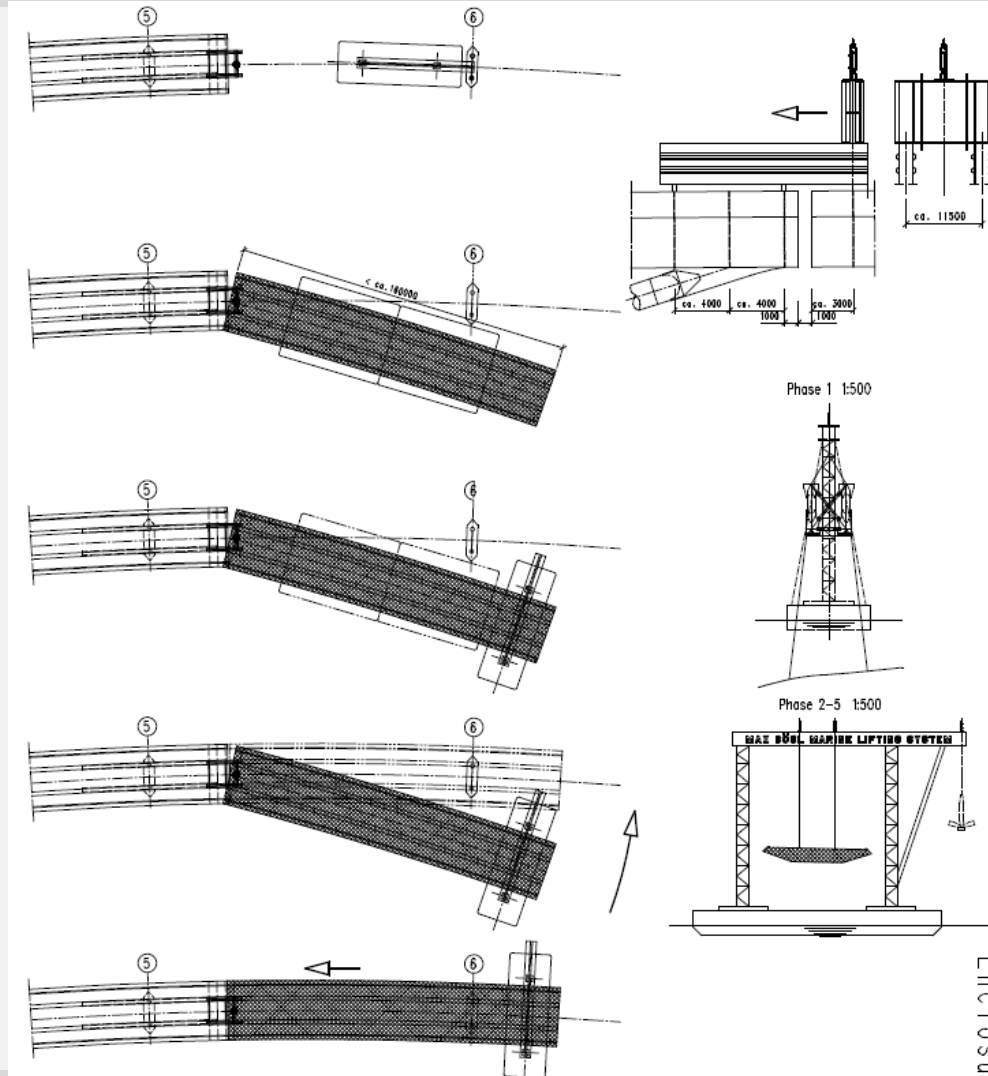
TRANSPORTROUTE FRA STETTIN TIL SUNDSVALL



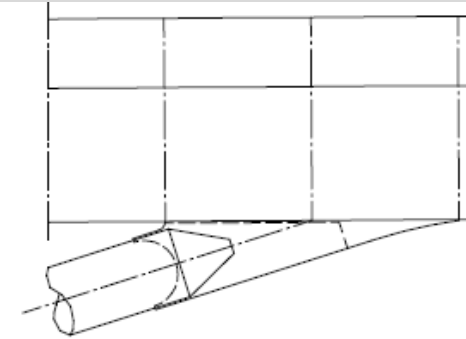
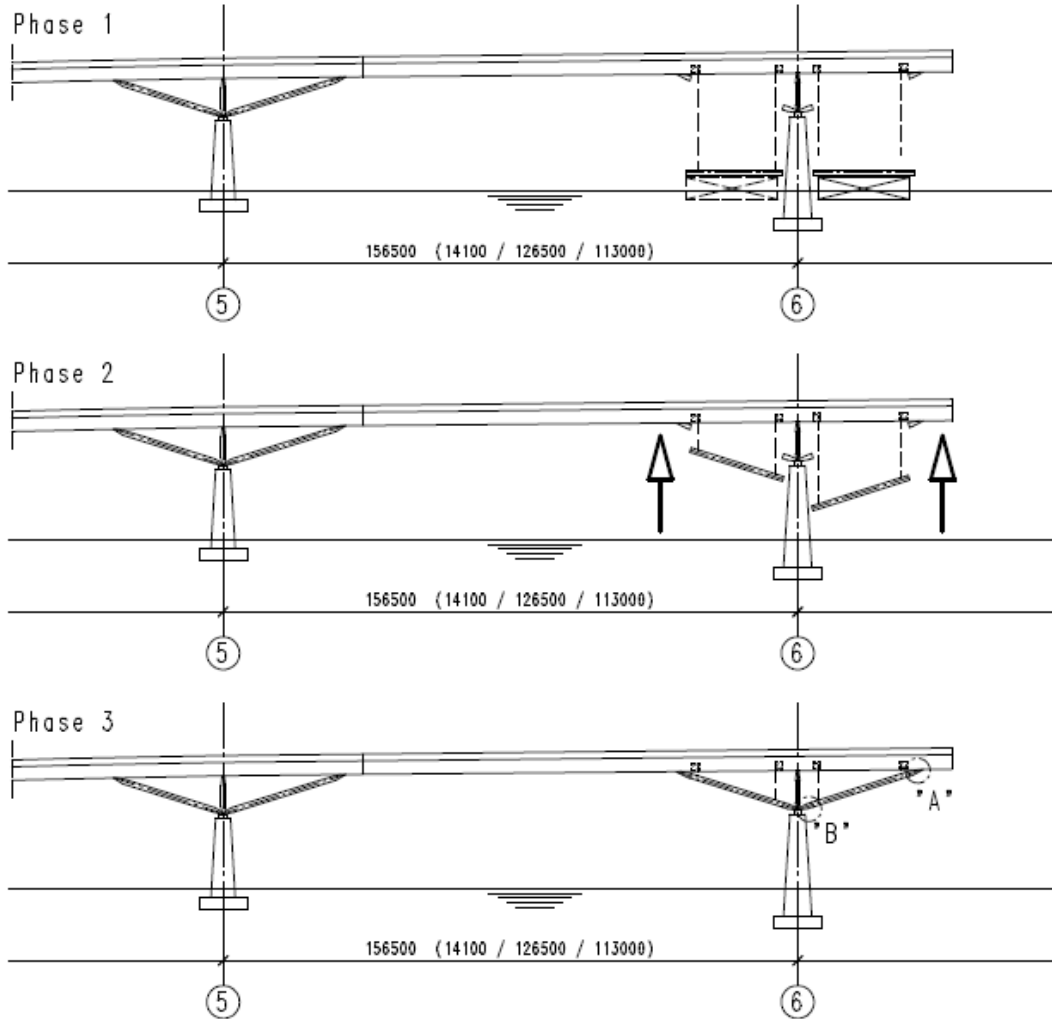
MONTAGE I SUNDSVALL – OPSTALT



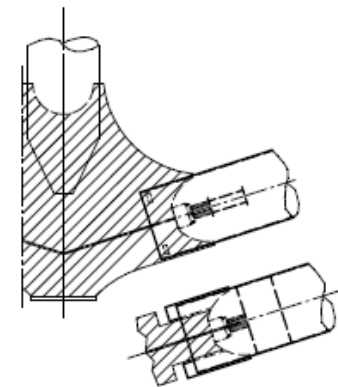
MONTAGE I SUNDSVALL - PLAN



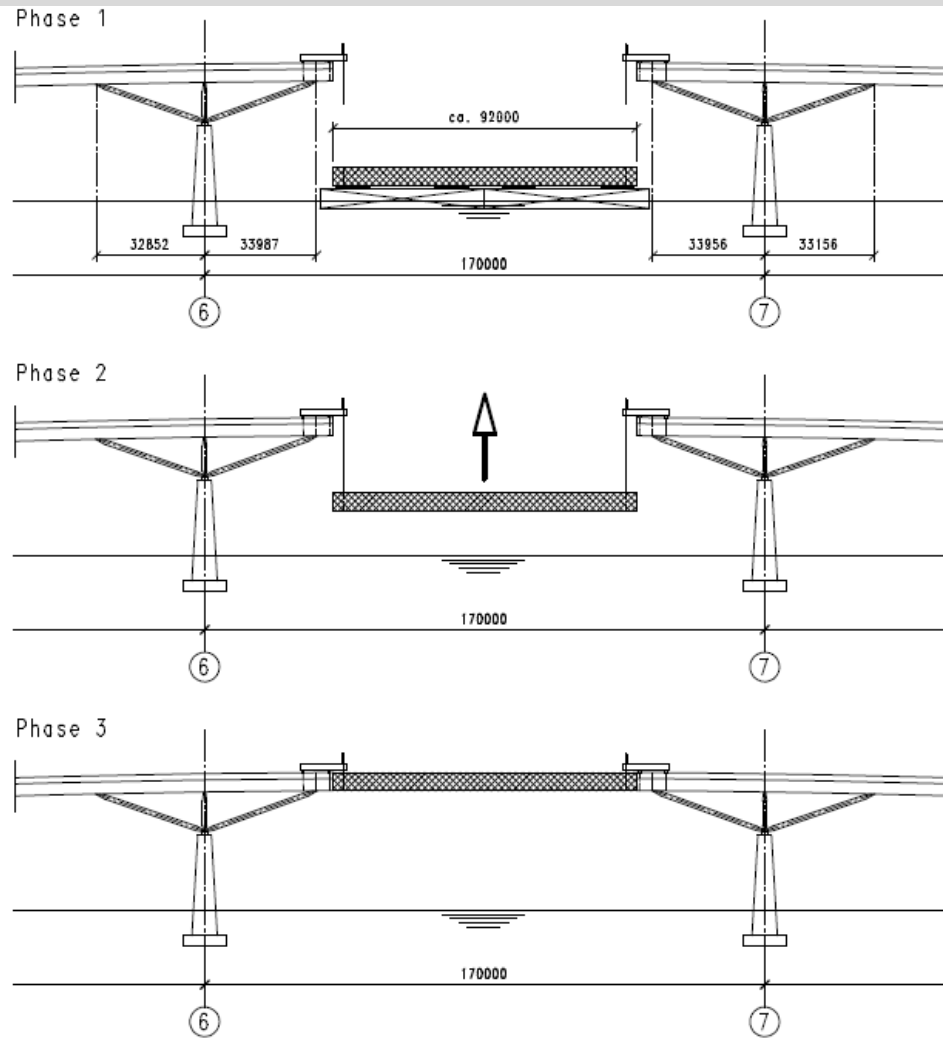
MONTAGE I SUNDSVALL - STAG



Detail 'B' 1:100



MONTAGE I SUNDSVALL - MIDTERFAG



VISUALISERING AF BROEN



FAKTA

- Bygherre: Trafikverket, SE
- Rådgivende ingeniør: ISC Rådgivende Ingeniører A/S, DK
- Arkitekt: KHR A/S, DK
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- Entreprenør: PBM Joint Venture
 - Pihl & Søn A/S, DK
 - Max Bögl Bauunternehmung GmbH, DE
 - Möbius GmbH, DE