

Endringer i N-004

Konstruksjonsdagen 4 September 2024

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NORSOK Standard

NORSOK N-004:2022+AC

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Design of offshore structures

Design av offshore konstruksjoner

101 stainless bolts.

NOTE

$\boxed{AC}$ $F_{p,C}$ is calculated according to NORSOK M-101 for DAST-bolts. $\boxed{AC}$

Bolter, helt nye regler

N-004

- Designklasser
- Avskjæring vs forspenning
- Friksjonsflater
- Boltelengde

Structural steel connections

29 May 2019

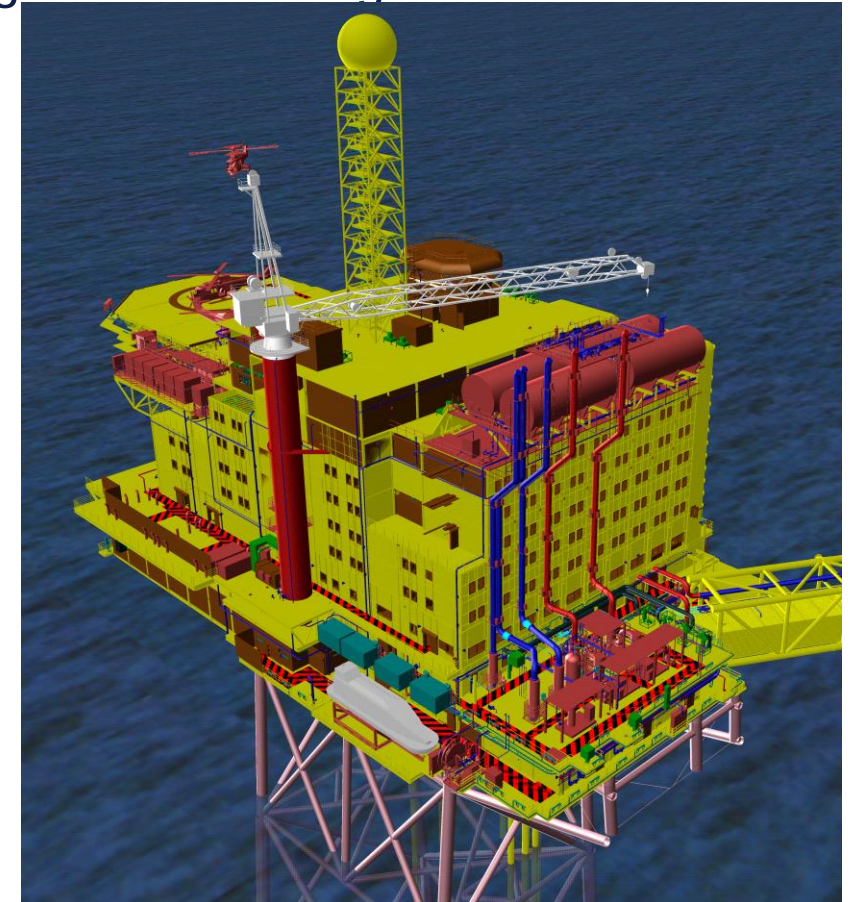
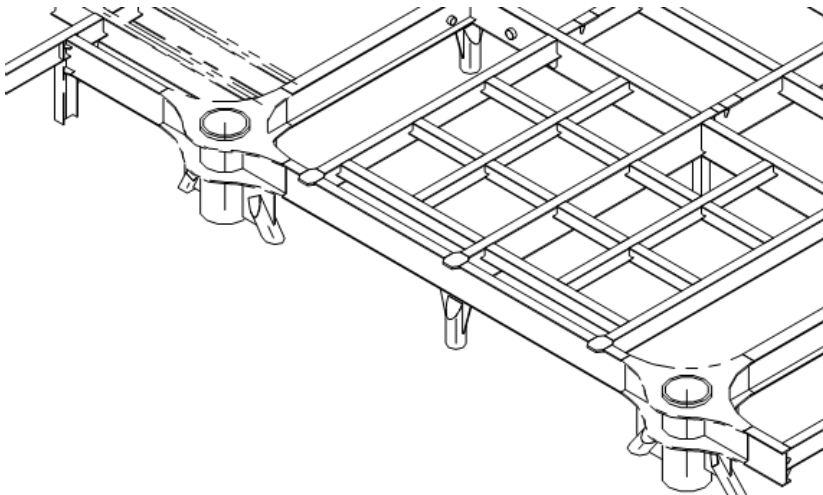


M-101

- Hvilken type bolt
- Testing
- Sertifikater
- Sporbarhet
- Forspenningsprosedyre

Forenklinger F.2.6.2

- For å **bestemme interne krefter** i konstruksjonen tillates følgende forenklinger
 - Neglisjere aksiell platestivhet (typisk kalt stressed skin)
 - Benytte idelle ledd
 - Benytte et endret tverrsnitt eller platetykkelse
 - Neglisjere utstrekningen av et forsterket knutepunkt
 - Neglisjere effekten av dører og vinduer, utkapp i steg
 - Neglisjere installasjonsrekkefølge



ISO 19901-3 (Topside)

- Limit state verification of each design/assessment situation shall be performed by either of the following methods:
- a) linear elastic analysis using manual calculation or analysis models
- b) a method allowing redistribution using manual calculation or analysis models.

NOTE 1 Manual calculation can be an effective method to demonstrate equilibrium on simple systems.

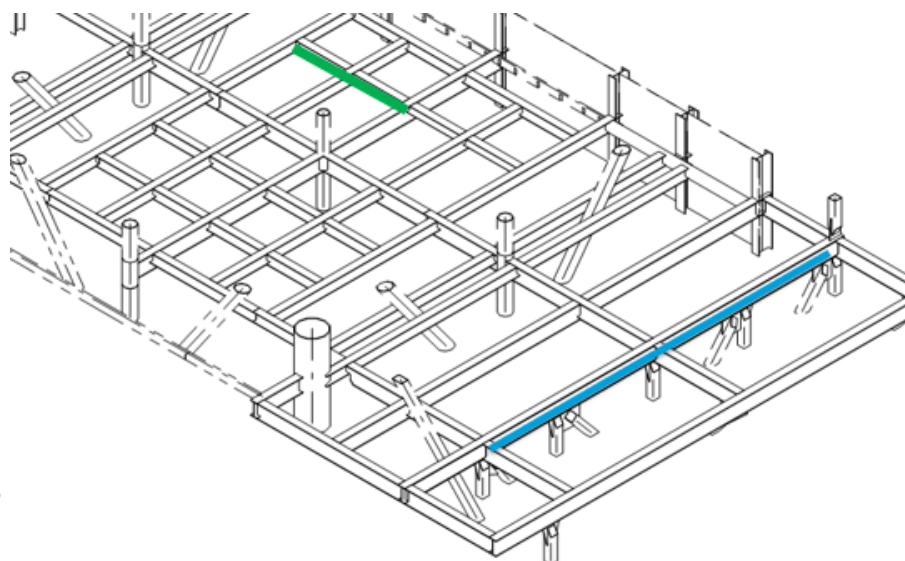
NOTE 2 Method b) can result in different magnitude of member forces but typically results in a more efficient and lighter structure.

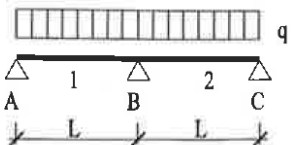
NOTE 3 Nonlinear analysis can be used for method b).

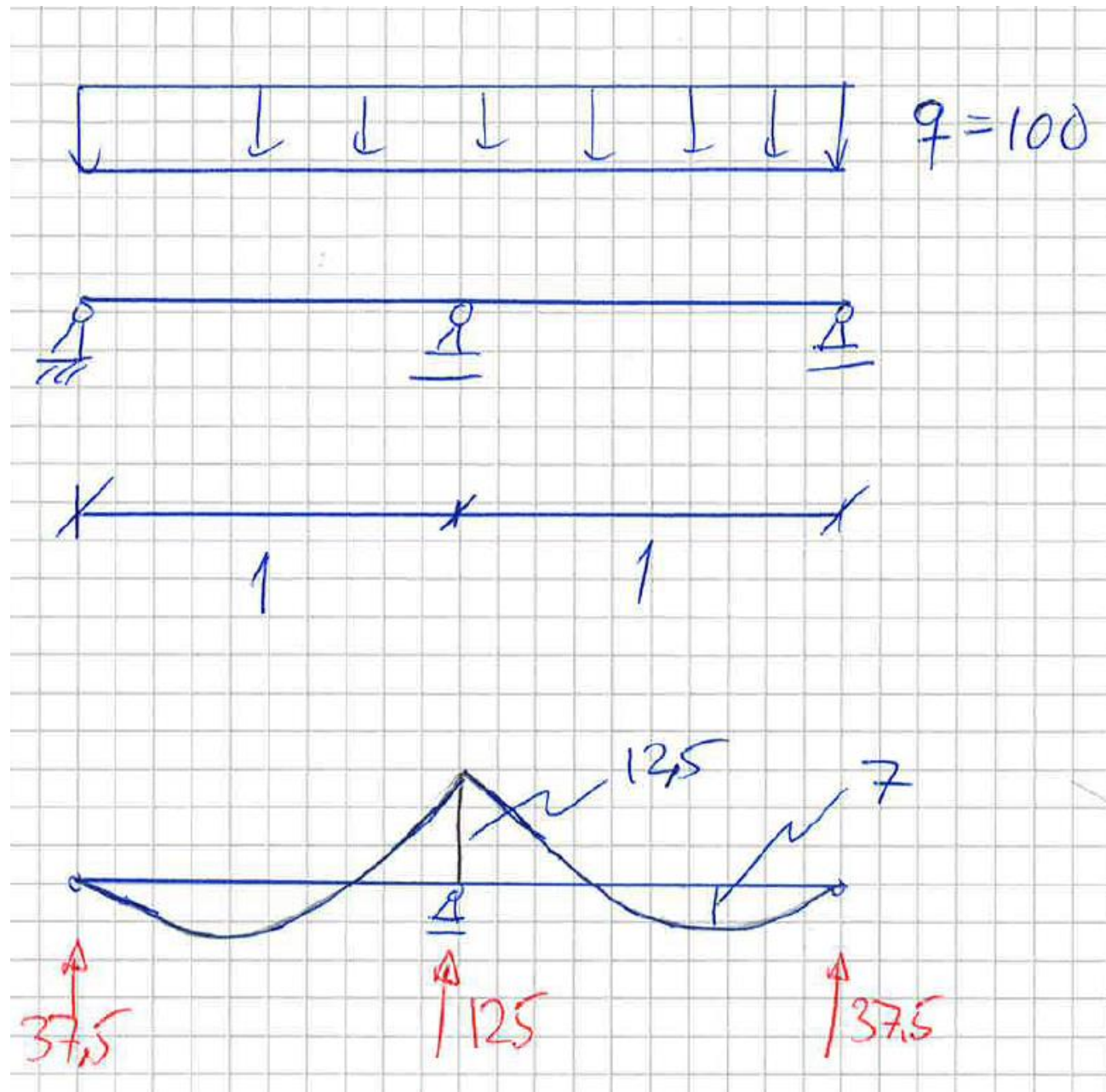
- The structural analysis model for method b) may be configured with any or all of the following simplifications:

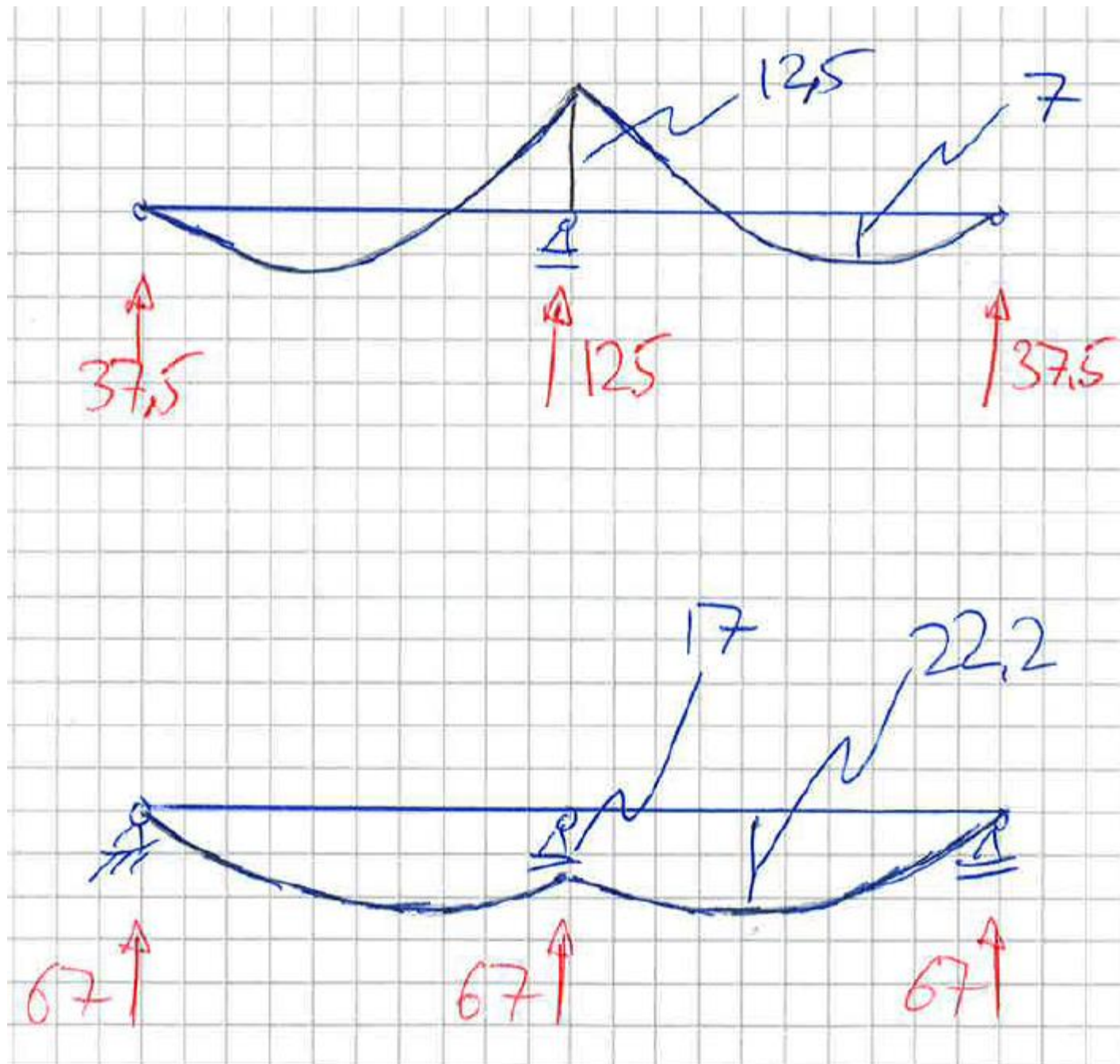


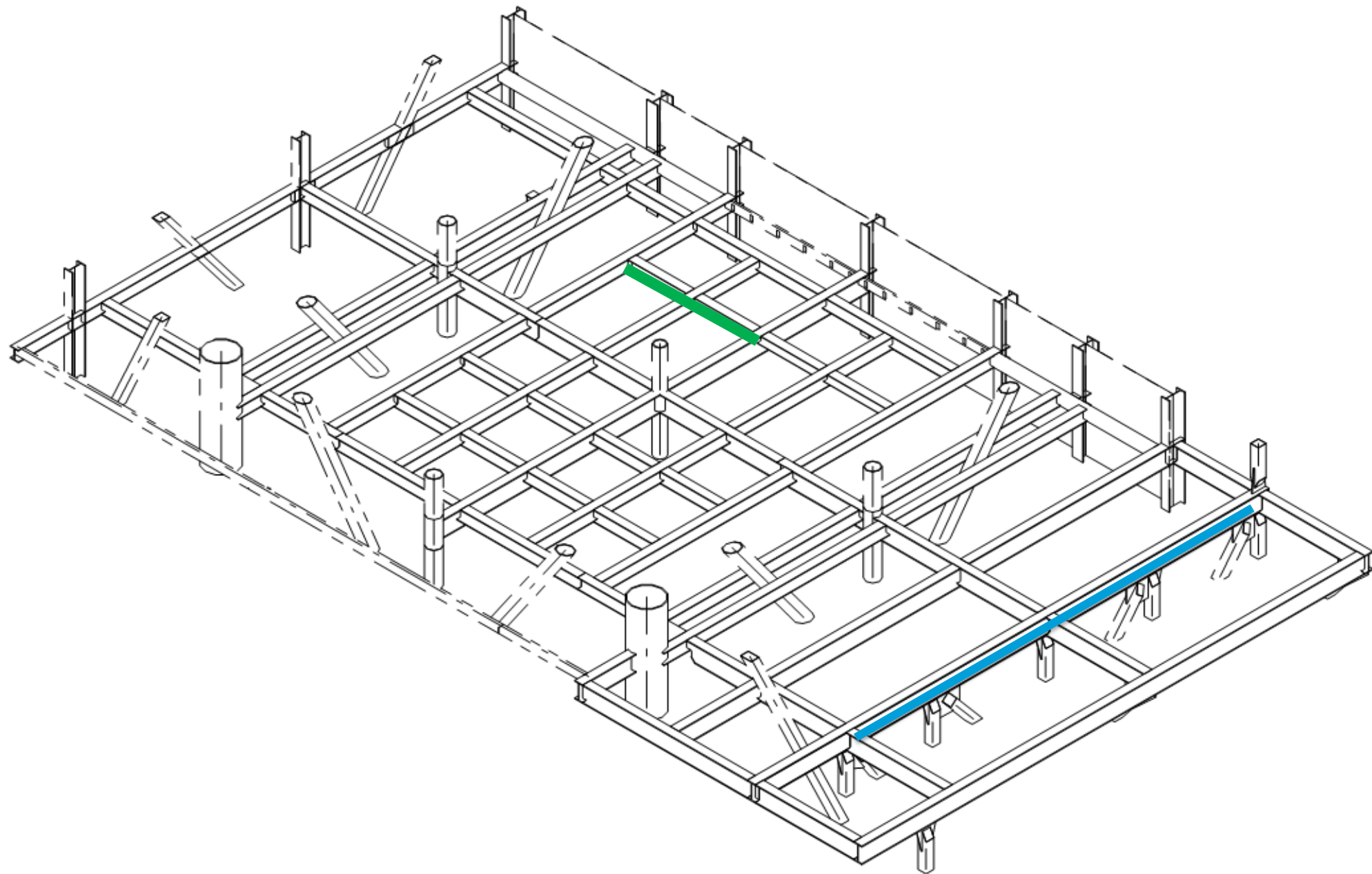
100 kg

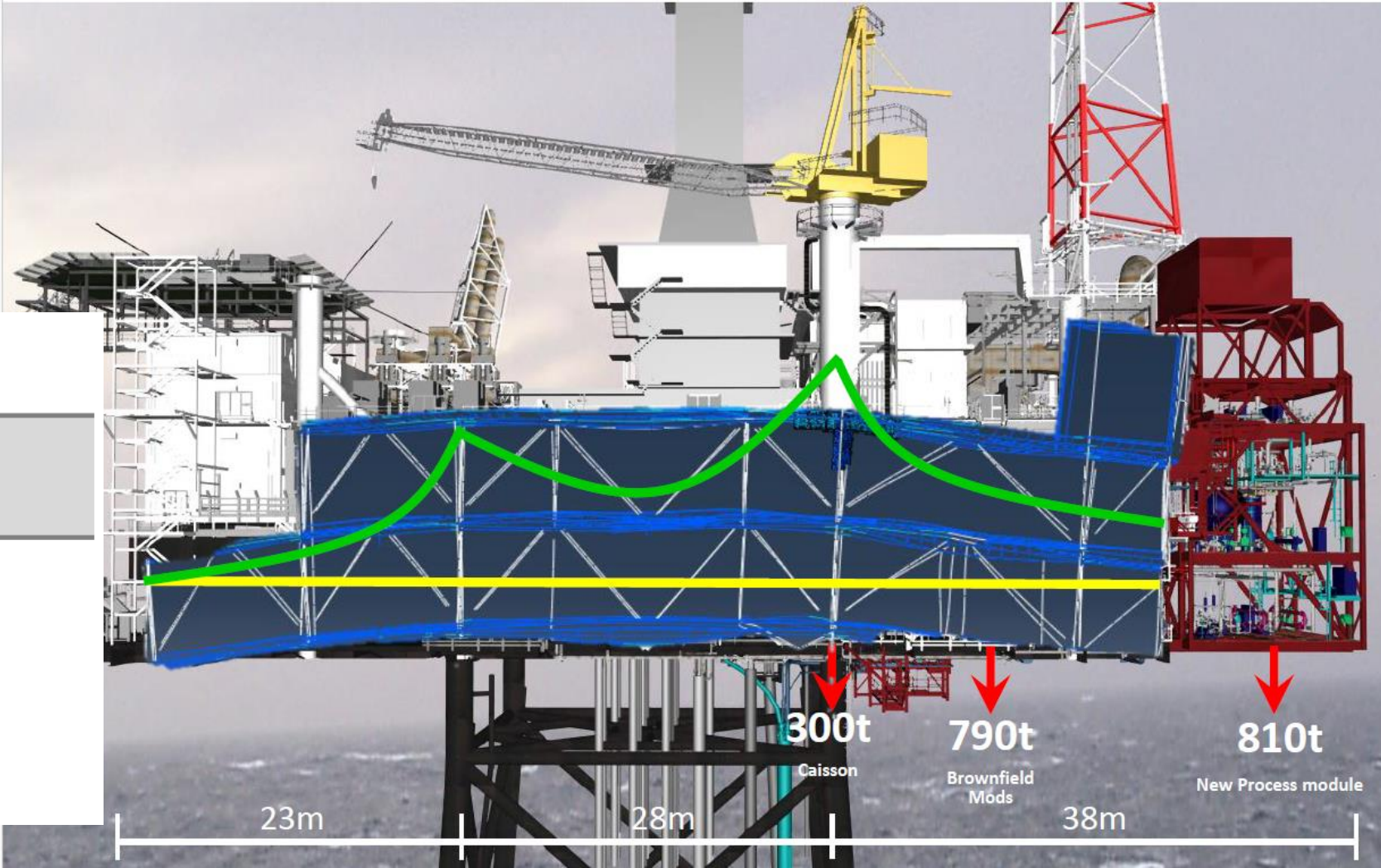
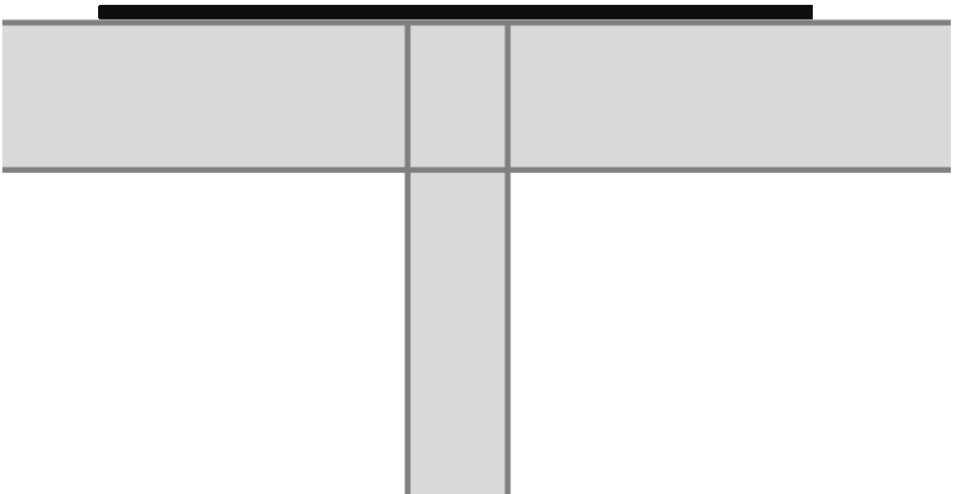


System og last	Maksimalt feltmoment (qL^2)	Støttemoment (qL^2)	Reaksjonskrefter (qL)
	$M_1 = 0.0703$ $M_2 = 0.0703$	$M_B = -0.125$	$A = 0.375$ $B = 1.25$









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