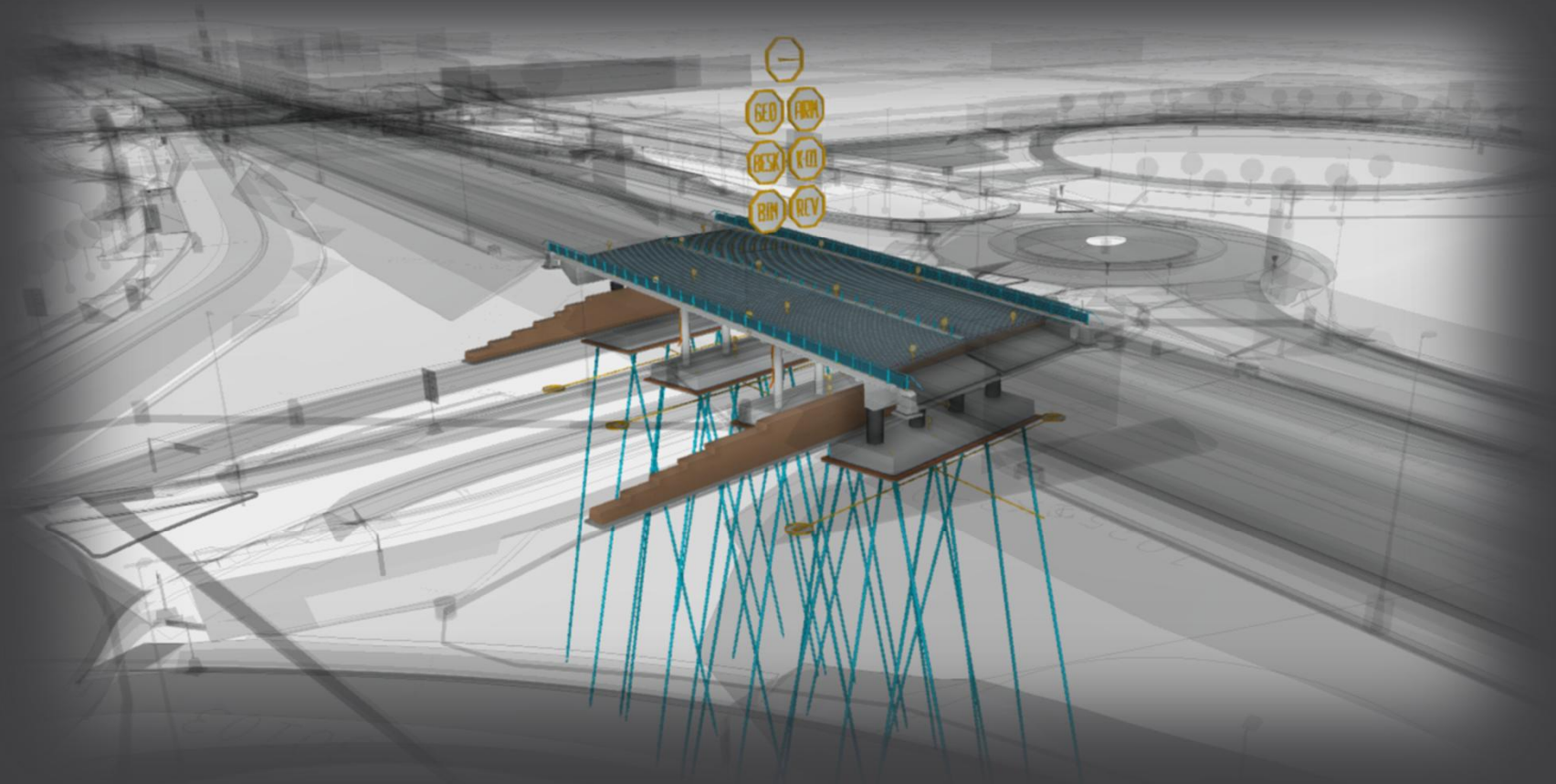


BYGG EN BRO UTEN TEGNINGER



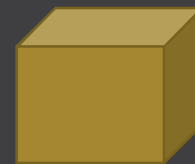
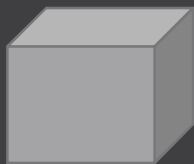
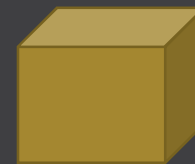
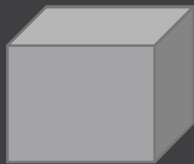
Modellbasert prosjektering og bygging



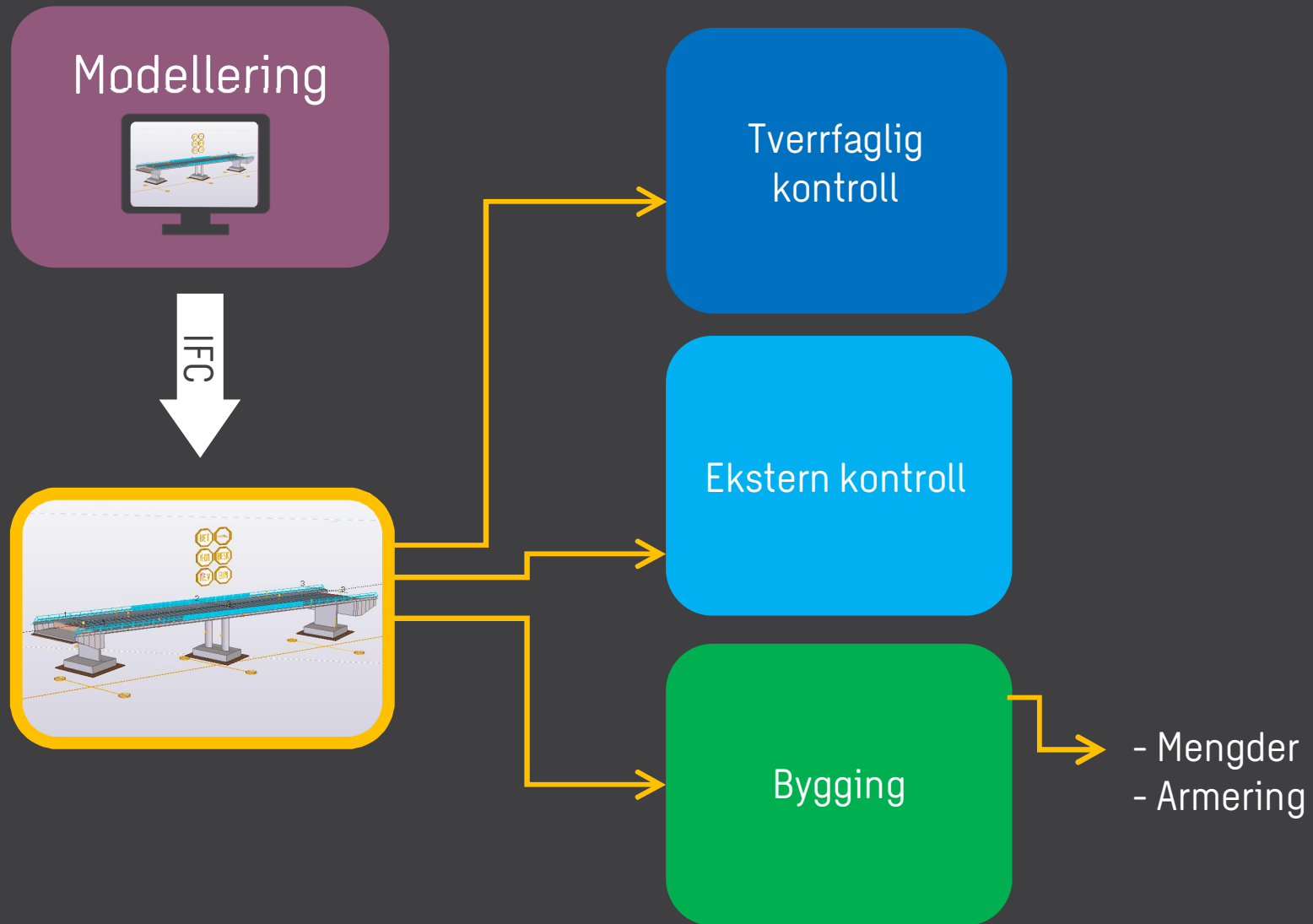
AGENDA

- HISTORIE
- METODE
- PROGRAMVARE
- ULEMPER
- FORDELER
- STATUS

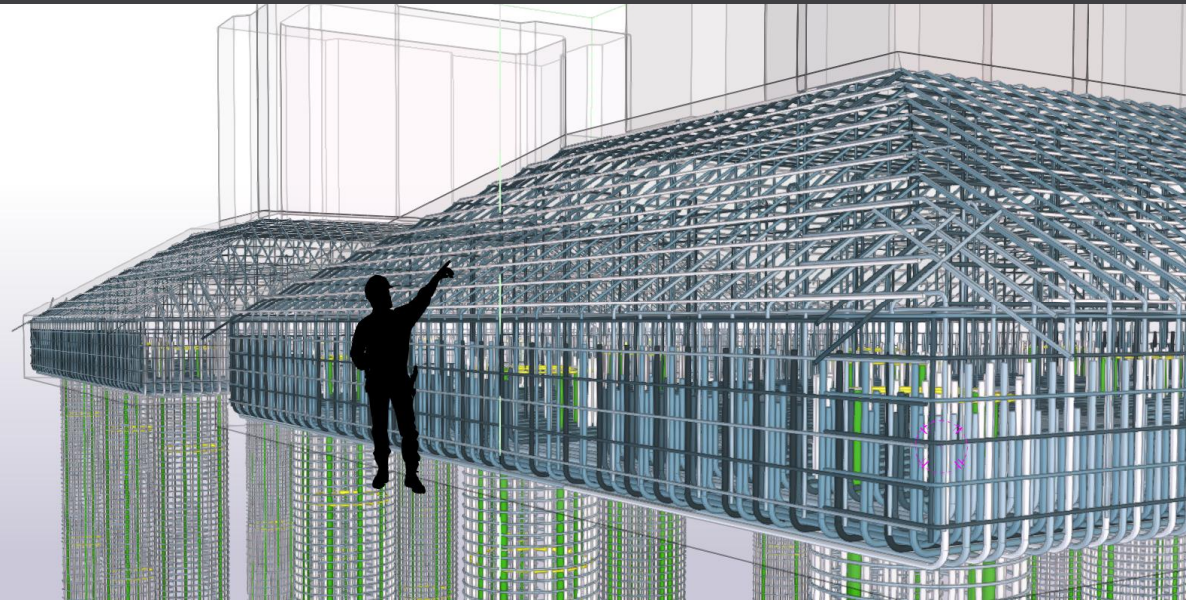
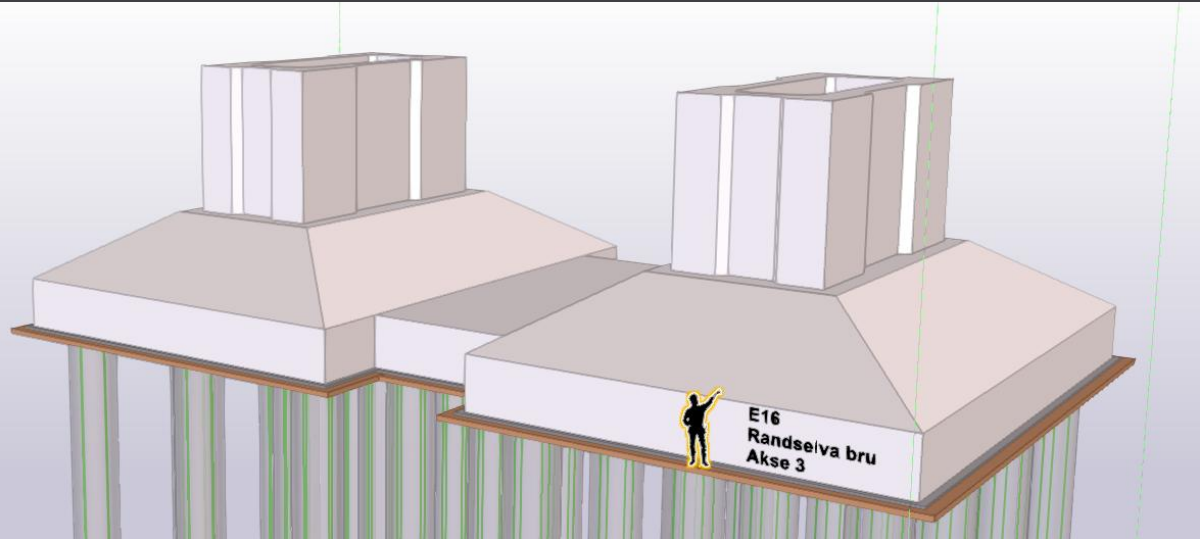
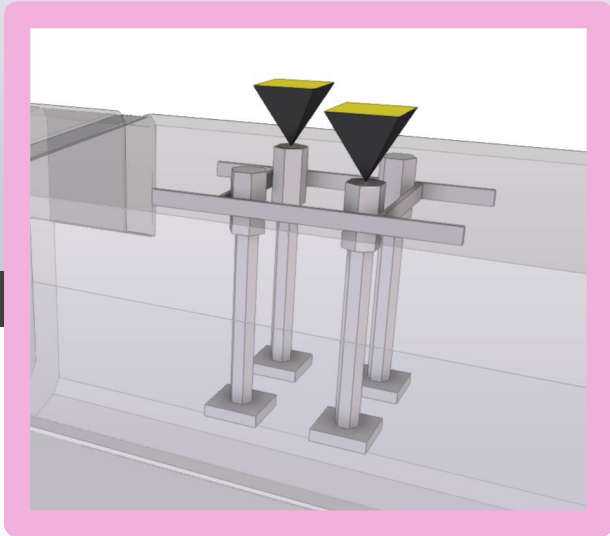
HISTORIE



METODE



METODE



TVERRFALIG KONTROLL



Project E6 Arnkvern – Moelv

Model P1-S03-Bergshøgda

updated: 19.09.2018 11:56

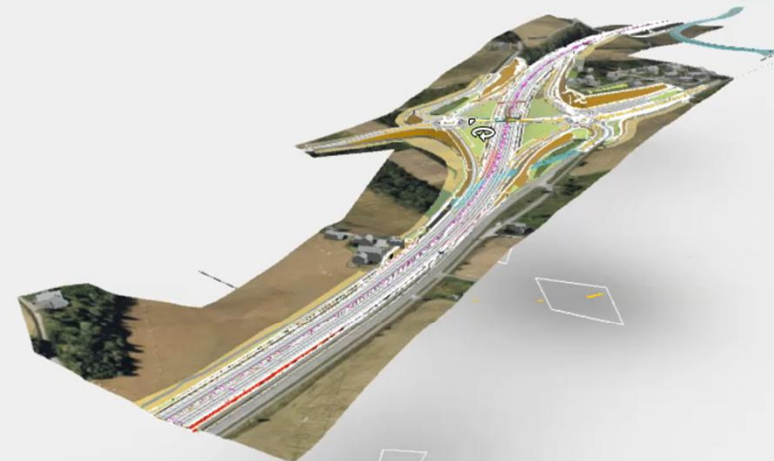
Display

Krzysztof Wojslaw

Model Browser

Search

- P1-S03-FM-EL-BELYSNING-GRØFT-UTSTYK.ifc
 - 1711 - E6 Arnkvern-Moelv
- P1-S03-FM-GEOT-BORREPUNKT.ifc
- P1-S03-FM-KON-FUNDAMENT-ARMERING.ifc
- P1-S03-FM-KON-FUNDAMENT.ifc
- P1-S03-FM-KON-K190-ARMERING.ifc
- P1-S03-FM-KON-K190.ifc
- P1-S03-FM-LARK-PLANTER.ifc
- P1-S03-FM-LARK-TERRENG.ifc
- P1-S03-FM-LARK-VILTGJERDE.ifc
- P1-S03-FM-MKON-OMKJØRING-BERGSHØGDA.ifc
- P1-S03-FM-VA-OVERVANN-DRENERING.dwg
- P1-S03-FM-VEG-BERGSHØGDA.DWG
- P1-S03-FM-VEG-BOMSTASJON.dwg
- P1-S03-FM-VEG-E6-OPPMERKING.dwg
- P1-S03-FM-VEG-E6-SKILT.dwg
- P1-S03-FM-VEG-E6.dwg
- P1-S03-FM-VEG-INFOSYMBOLER.ifc
- P1-S03-FM-VEG-KRYSS-OPPMERKING.dwg
- P1-S03-FM-VEG-KRYSS-REKVERK.dwg
- P1-S03-FM-VEG-KRYSS-SKILT.dwg



KONTROLL + BYGGING



Solibri Model Checker - K190_Berg_Bru

FILE MODEL CHECKING COMMUNICATION INFORMATION TAKEOFF + VIEWS

Spin Info

MODEL TREE

- (B) P1-S03-FM-KON-K190
- (B) P1-S03-FM-KON-K190_armering

CLASSIFICATION

- Arm_CC-avstand
- Arm_Dimensjon

INFO

(B) Object.1.2

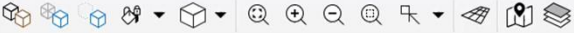
Identification	Location	Quantities	Material	Relations	Classification
Hyperlinks	Default	Egenskaper	Pours	Tekla Common	Tekla Quantity
Property	Value				
A.01 Objektnavn	Fundament				
A.02 Objektkode-tekst	D1				
A.03 Objektkode-nummer	84412000				
A.04 Beskrivelse	Fundament akse 1				
B.01 Parsell	P1				
B.02 Område	S03				
B.03 Konstruksjon	K190				
C.01 MMI	400				
D.01 Prosess 1					
E.01 Material	B45_SV-Standard				
E.02 Dimensjon					
E.03 Egendefinert					
E.04 Egendefinert					
F.01 Merknad	Støpeetappe_1A				
F.02 Merknad	Overdekning, konstruktiv armering: 75mm±15mm (Alle flater)				
F.03 Merknad	Overdekning, monteringsstenger: 60mm±15mm (Alle flater)				
F.04 Merknad					
G.01 Vertikalniva	U1				
H.01 Status	Teknisk godkjenning iht. notat 17/9536-15				
H.02 Revisjon	A				
H.03 Revisjonsdato	23.03.2018				
I.01 PNS	P1203				
J.01 Plasseringsprioritet					


Selected: 1,363

KONTROLL + BYGGGING


Solibri Model Checker - K190_Berg_Bru

FILE MODEL CHECKING COMMUNICATION INFORMATION TAKEOFF + VIEWS


Spin Info  Search

MODEL TREE  3D

- (B) P1-S03-FM-KON-K190
- (B) P1-S03-FM-KON-K190_armering

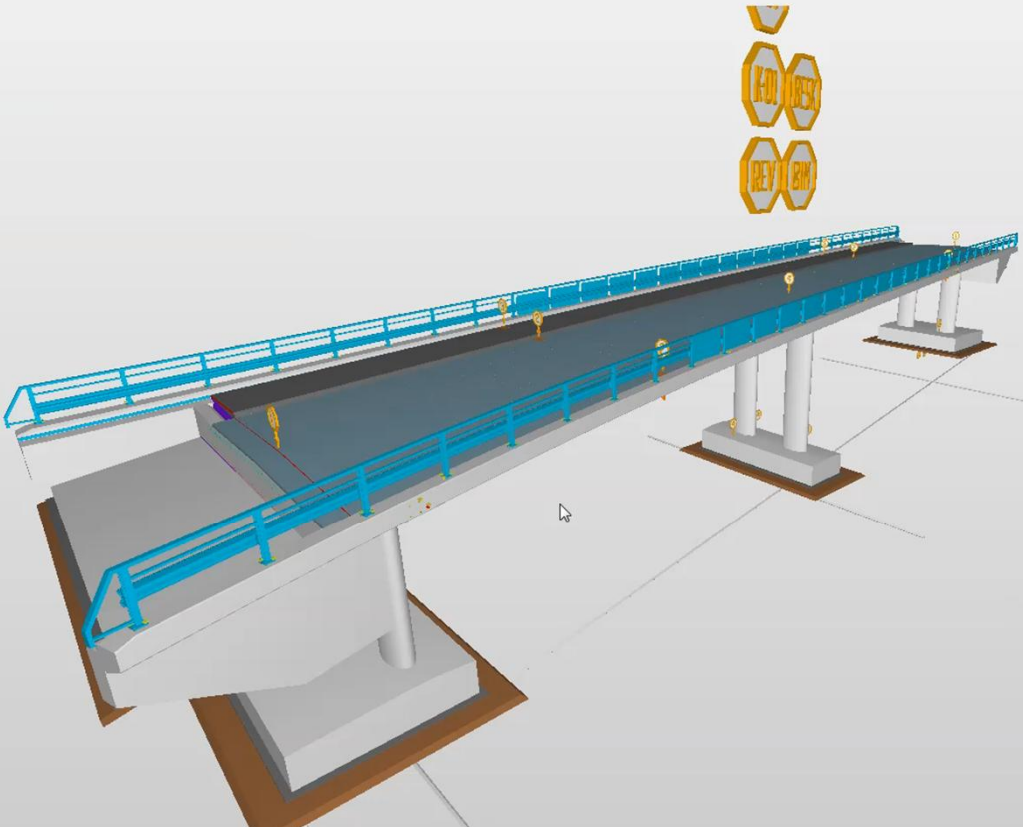
CLASSIFICATION 

- Arm_CC-avstand
- Arm_Dimensjon
- Arm_Formkoder
- Arm_Løpemet
- Arm_Pos_Løpnummer
- Arm_Pos_Prefix
- Arm_Stor_Dordiameter
- Kontroll_A02_Oppdeling i beskrivelse
- Kontroll_B01_Parsell
- Kontroll_B02_Område
- Kontroll_B03_Konstruksjon
- Kontroll_G01_Vertikalniva
- Kontroll_I01_PNS-nummer
- Liste_A02_Objektnavn
- Liste_C01_MMI
- Liste_E01_Material
- Visning_Armering+ Spennarmering
- Visning_Plasseringsprioritet
- Visning_Revisjon
- Visning_Revisjonsdato
- Visning_Status
- Visning_Støpetapper

INFO 

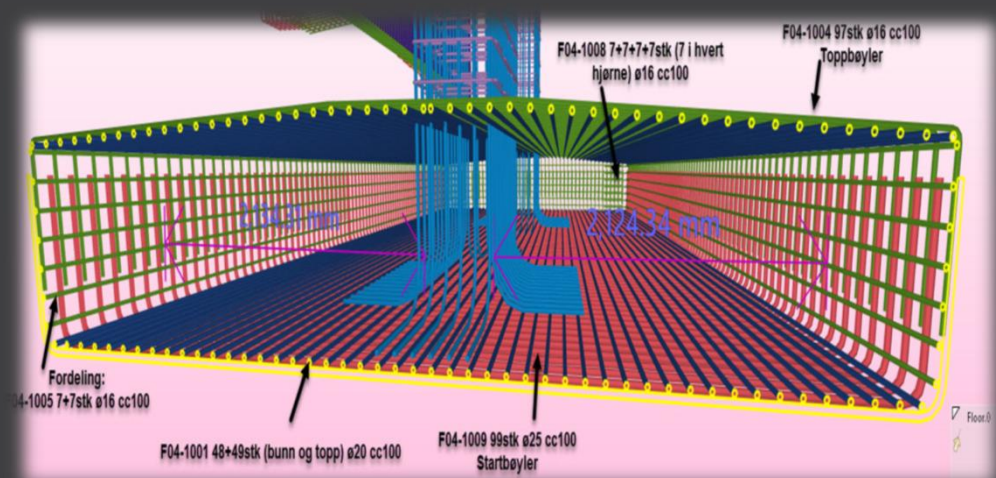
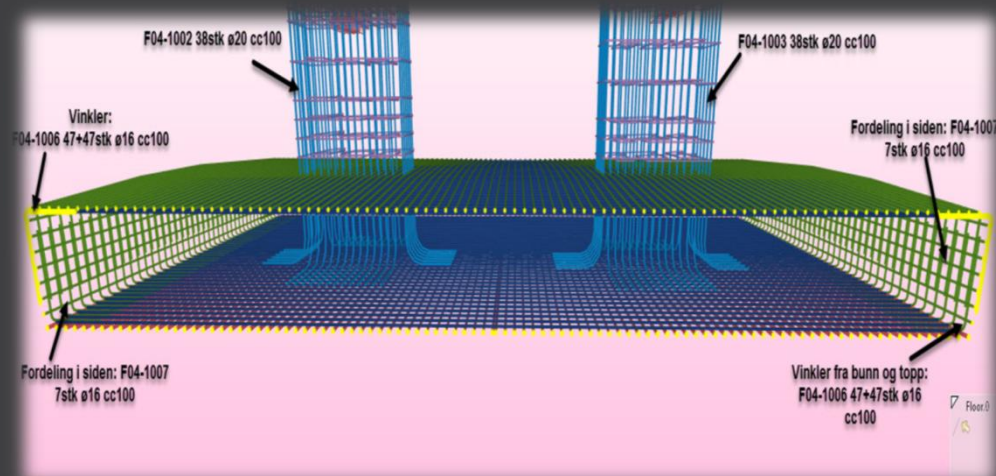
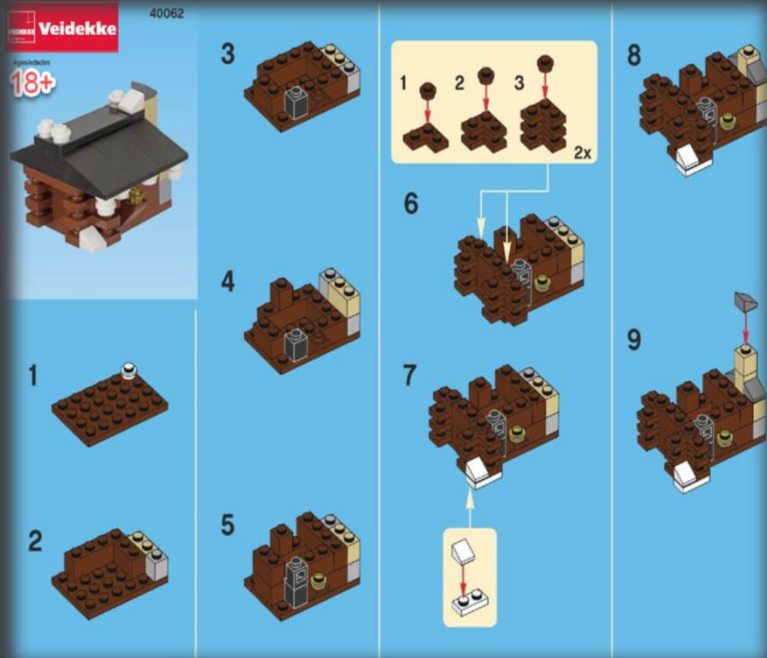
Visning_Revisjon

Reference	Name	Source	Count
01		From Class...1194	
02		From Class...145	



Selected: 1,363

BYGGING



MENGDER + ARMERING

Solibri Model Checker - P1-S08-FM-KON-K340

FILE MODEL CHECKING COMMUNICATION INFORMATION TAKEOFF + TO-DO (0/2) VIEWS

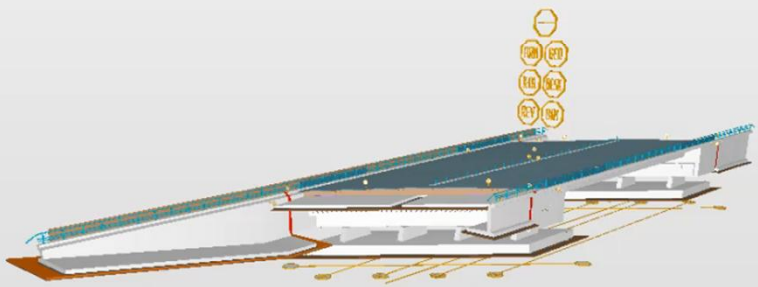
Spin Info 3D

MODEL TREE

- (A) P1-S08-FM-KON-K340
- (B) P1-S08-FM-KON-K340-ARMERING**
- (C) P1-S08-FM-KON-K340-AKSE

INFO

Description



CLASSIFICATION

- Arm_CC-avstand
- Arm_Dimjonion
- Arm_Formkoder
- Arm_Kommentarer
- Arm_Løpometer
- Arm_Pos_Løpenummer
- Arm_Pos_Prefix
 - K340_B01
 - K340_B02
 - K340_D
 - K340_DL
 - K340_DS
 - K340_DT
 - K340_E01
 - K340_E02
 - K340_EK01
 - K340_EK02
 - K340_F01**
 - K340_F02
 - K340_KH
 - K340_KV
 - K340_L01
 - K340_L02
 - K340_O01
 - K340_O02
 - K340_SM1F
 - K340_SM1K
 - K340_SM1V
 - K340_SM2F
 - K340_SM2K
 - K340_SM2V
 - K340_SM3F
 - K340_SM3K
 - K340_SM3V
 - K340_SM4F
 - K340_SM4K
 - K340_SM4V
 - K340_VH01
 - K340_VH02
 - K340_VV01
 - K340_VV02
 - Uklassifisert
- Arm_Stor_Dordiameter
- Building Elements - General

(A) Floor.0

Armering_E6AM_09_10_2018 updated from Selection Basket

Selected: 201

ULEMPER

SWECO 



ULEMPER



- 
- IFC
 - Digitale lenker
 - Arkivering


ULEMPER (?)

SJEKKLISTE - Armering

Prosjekt: 55008001 E6 Amkvem - Moelv
Konstruksjon: K340

Bygningsdel: Landkarvegg akse 1 og 2

REV 01

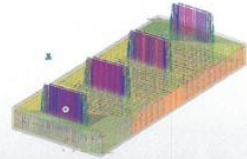
KONTROLL AKTIVITET		EK	DK	BILDE FRA MODELL 01
1	Har armering rett overdekning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	Har armering rett Ø og CC iht. beregning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	Er spesielle støpeskjøter plassert?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	Alle jern nødvendig forankring/omfar?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5	Armering i konflikt med utspringer / andre fag?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
8	Har armering rett pre-fix?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9	Har armering rett nummer?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
10	Er nummerering av armering gjort?	<input type="checkbox"/>	<input type="checkbox"/>	
11	LM - Er rett nummer og info gitt?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BILDE FRA MODELL 02				
12	LM - Er skjøter modellert rett i modellen?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13	Har rett armering fått status «D»?	<input type="checkbox"/>	<input type="checkbox"/>	
14	Jern i bøy alle steder?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
15	Er armeringen riktig plassert?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
16	Plass til armering iht. NS-EN1992, pkt 8.2?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
17		<input type="checkbox"/>	<input type="checkbox"/>	
18		<input type="checkbox"/>	<input type="checkbox"/>	
19		<input type="checkbox"/>	<input type="checkbox"/>	
EGENKONTROLL: <i>NOVKK</i>		DATO SIGN	<i>06.03.18</i>	
DISIPLINKONTROLL: <i>NOKRZY</i>		DATO SIGN	<i>15.03.18</i>	
BILDE FRA MODELL 03				
Evt. kommentarer:				

SJEKKLISTE - Armering

Prosjekt: 55008001 E6 Amkvem - Moelv
Konstruksjon: K340

Bygningsdel: Fundament i akse 1 og 2

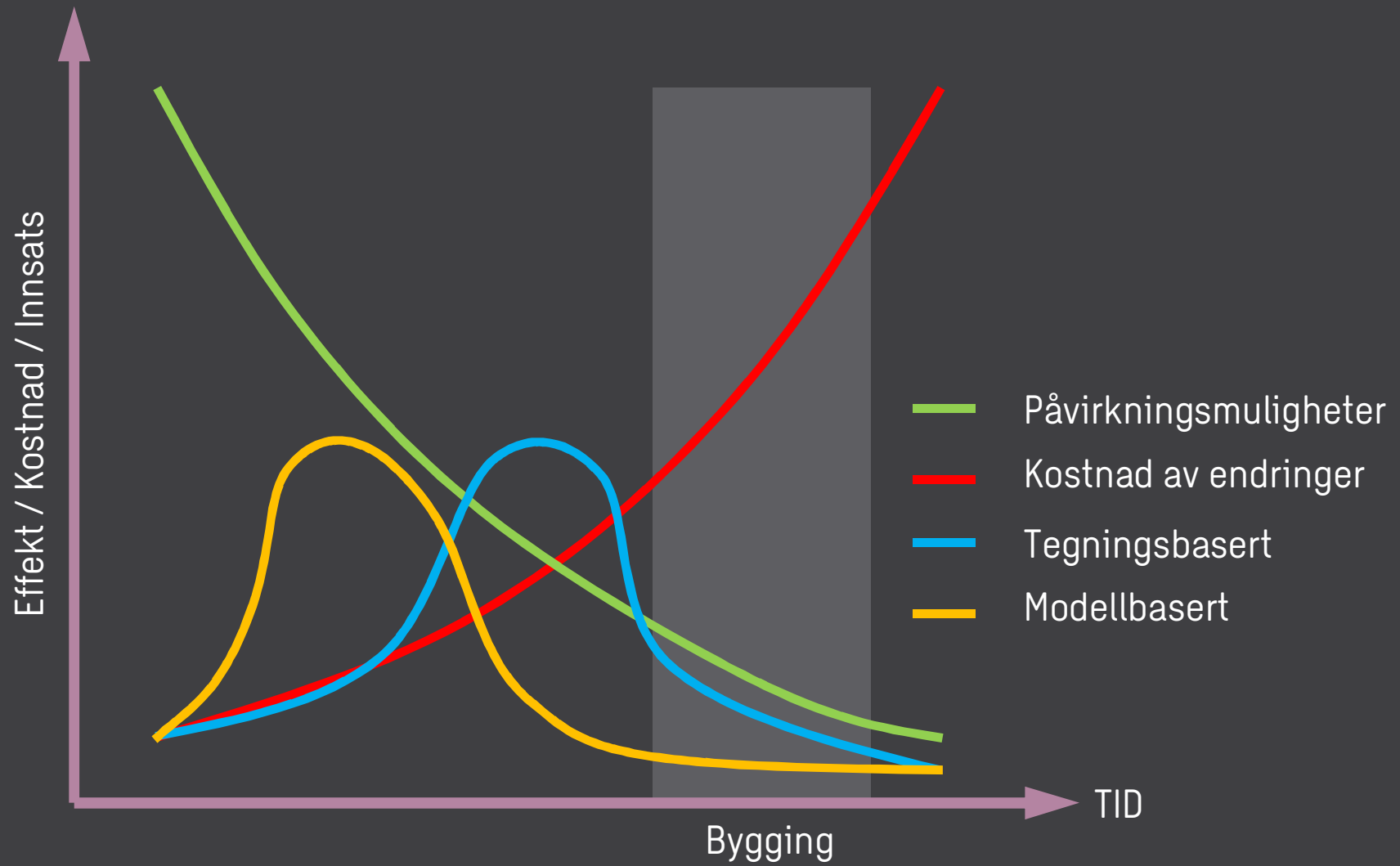
REV 01

KONTROLL AKTIVITET		EK	DK	BILDE FRA MODELL 01
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2	Har armering rett Ø og CC iht. beregning?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
3	Er spesielle støpeskjøter plassert?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	Alle jern nødvendig forankring/omfar?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5	Armering i konflikt med utspringer / andre fag?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
8	Har armering rett pre-fix?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9	Har armering rett nummer?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
10	Er nummerering av armering gjort?	<input type="checkbox"/>	<input type="checkbox"/>	
11	LM - Er rett nummer og info gitt?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
BILDE FRA MODELL 02				
12	LM - Er skjøter modellert rett i modellen?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
13	Har rett armering fått status «D»?	<input type="checkbox"/>	<input type="checkbox"/>	
14	Jern i bøy alle steder?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
15	Er armeringen riktig plassert?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
16	Plass til armering iht. NS-EN1992, pkt 8.2?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
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18		<input type="checkbox"/>	<input type="checkbox"/>	
19		<input type="checkbox"/>	<input type="checkbox"/>	
EGENKONTROLL: <i>NOVKK</i>		DATO SIGN	<i>06.03.18</i>	
DISIPLINKONTROLL: <i>NOKRZY</i>		DATO SIGN	<i>03.03.18</i>	

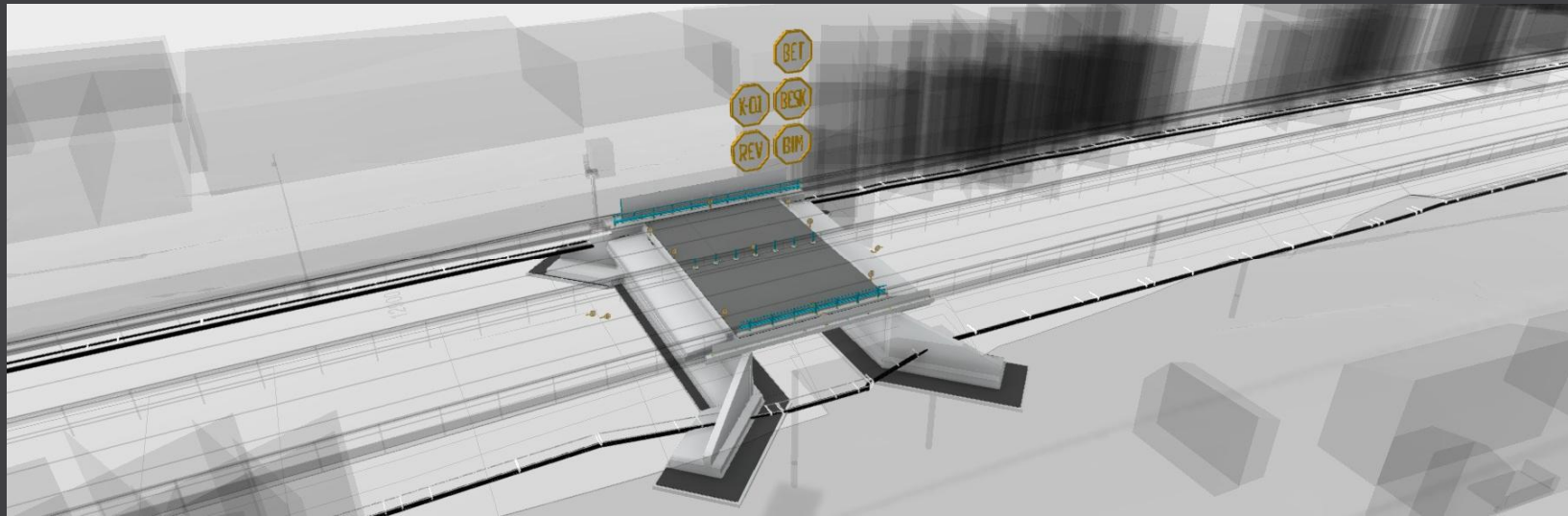
Gjennomgå med Adin:

- Landkarshive armering forankringslengde
- UK trene- og lengdearmering i akse 2, 3. landkarshive
- Skjærearmering

FORDELER



FORDELER



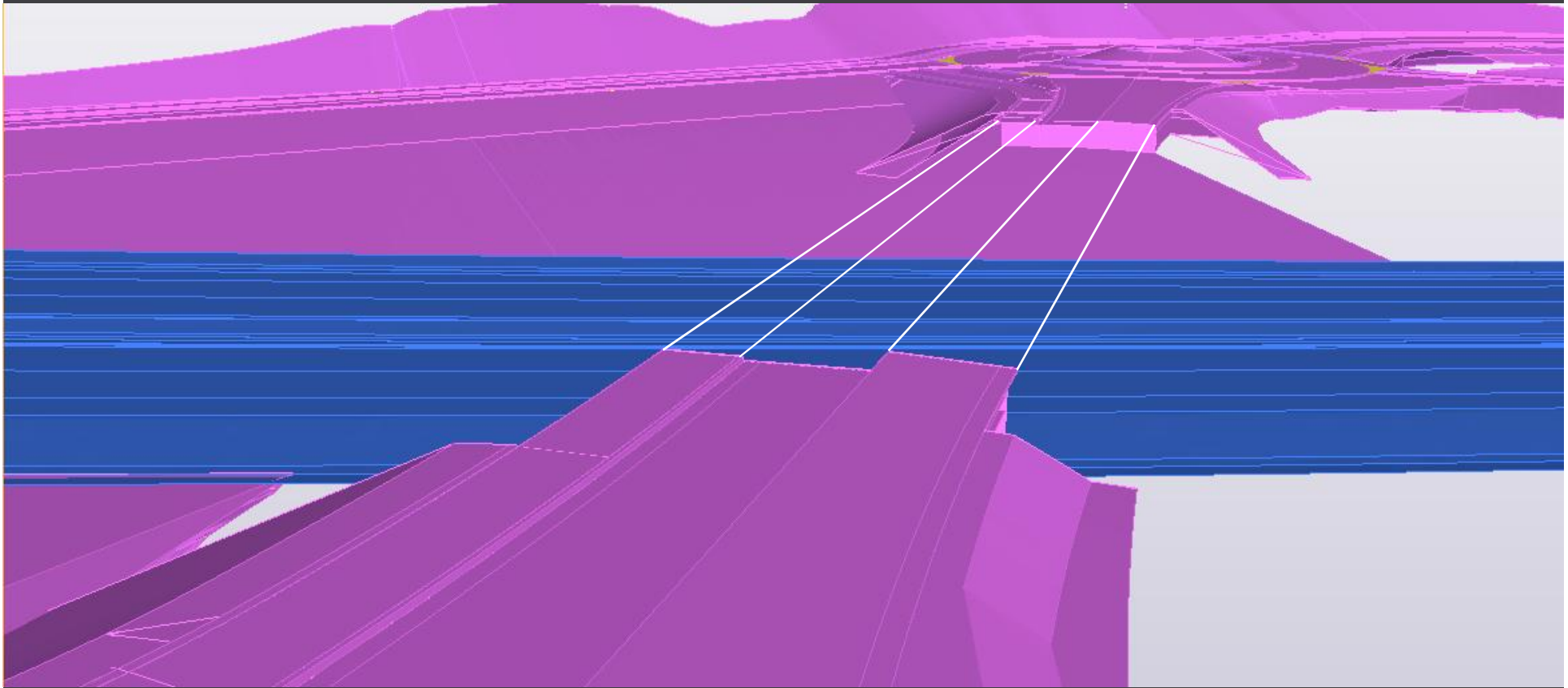
FORDELER



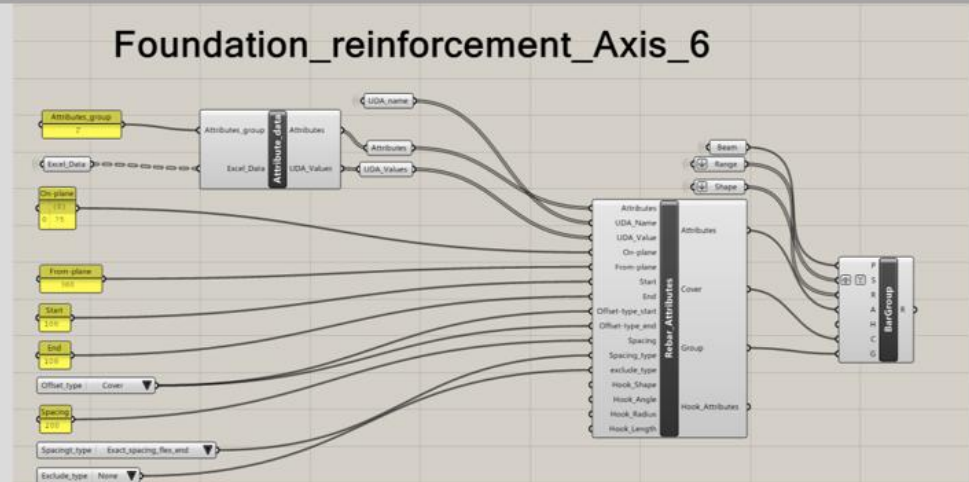
FORDELER



FORDELER



FORDELER

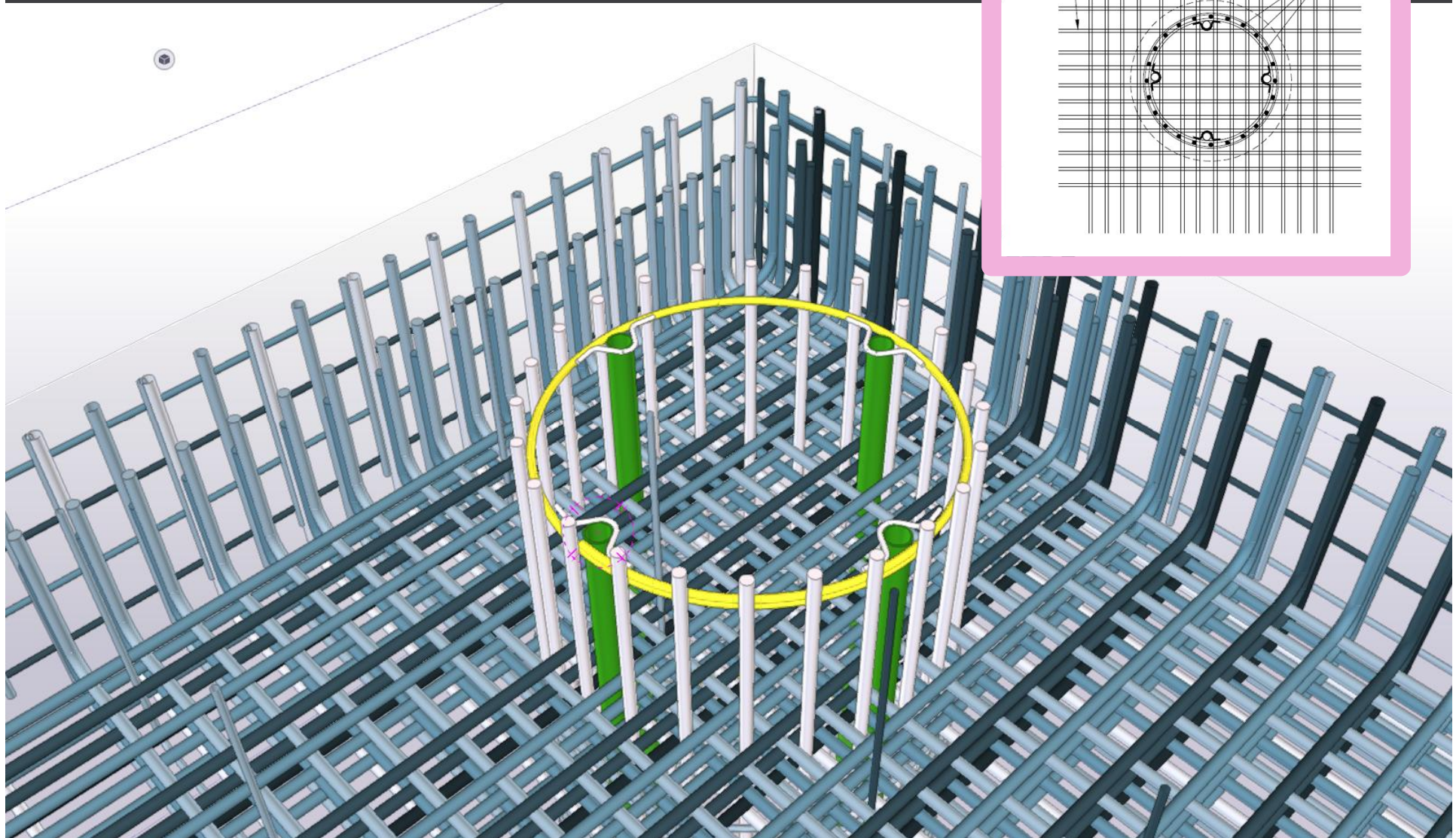
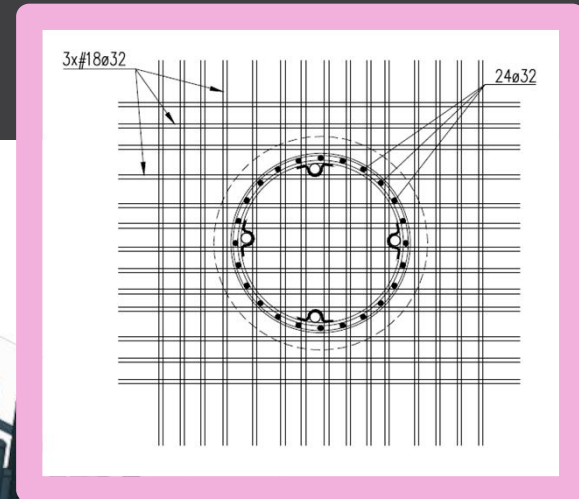


FORDELER

SWECO 



FORDELER



BERG BRU

SWECO 

BERG BRU



SWECO

