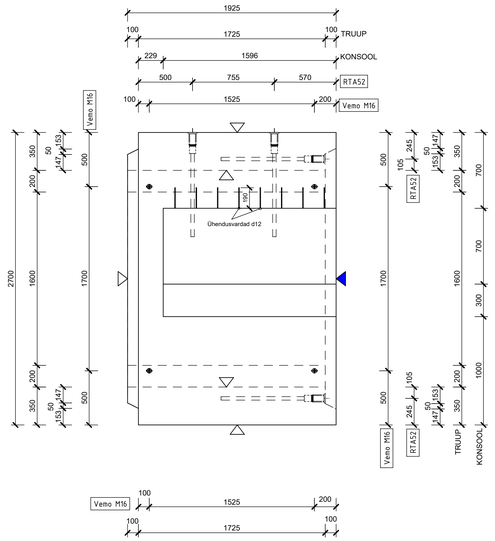
Element toodetakse 1 korda / Element is produced 1 time.

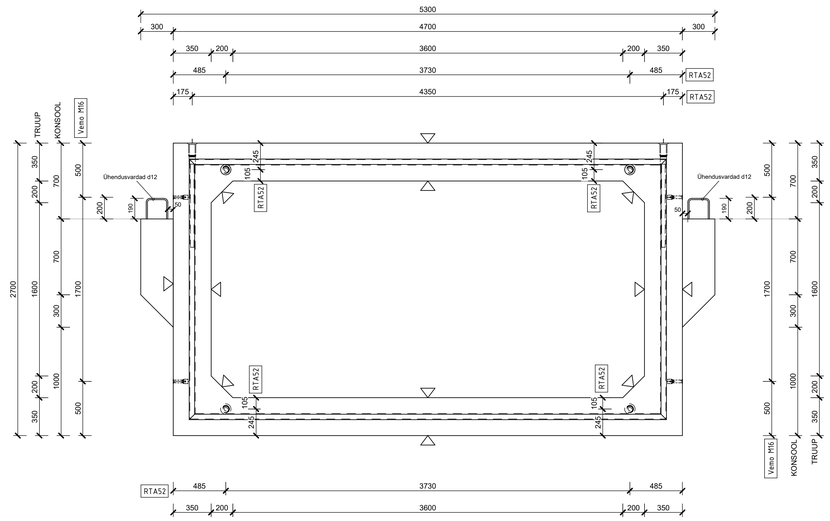
VAADE VASAKULT CUL-0012 / LEFT SIDE VIEW CUL-0012

MÕÕTKAVA / SCALE 1:20



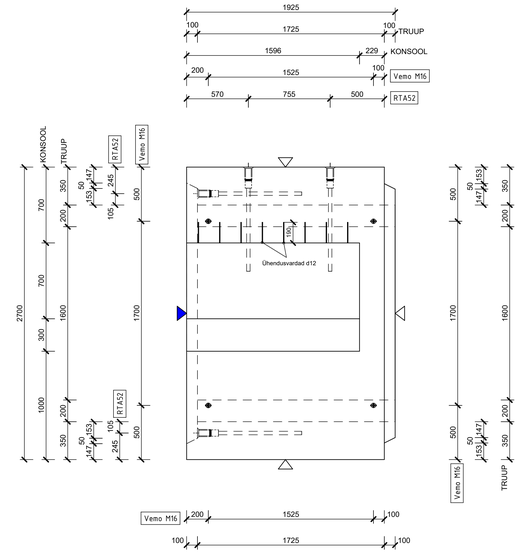
EESTVAADE CUL-0012 (VAADE VORMI) / FRONT VIEW CUL-0012 (VIEW INTO THE FORMWORK)

MÕÕTKAVA / SCALE 1:20



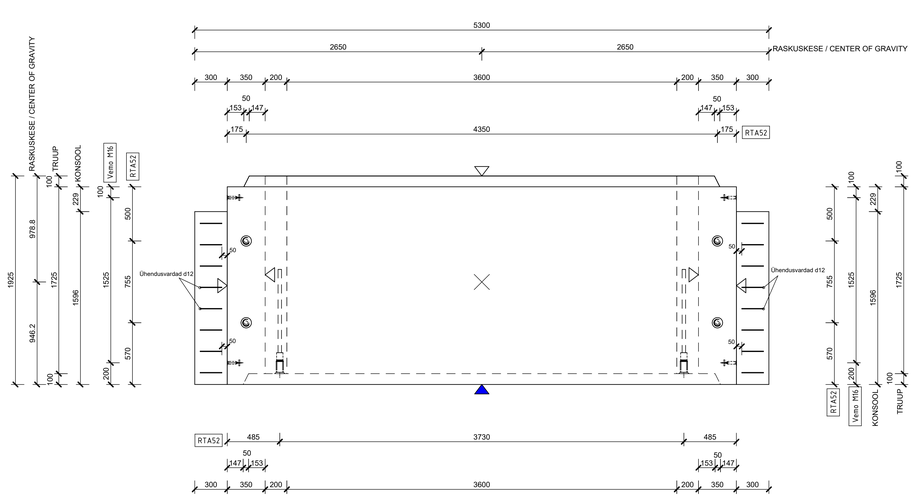
VAADE PAREMALT CUL-0012 / RIGHT SIDE VIEW CUL-0012

MÕÕTKAVA / SCALE 1:20

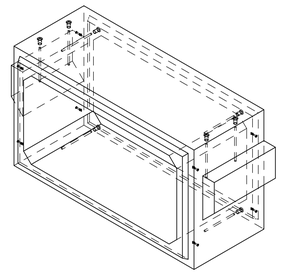


PEALTVAADE CUL-0012 / TOP VIEW CUL-0012

MÕÕTKAVA / SCALE 1:20



ISO



Taridetailide paigaldamine ja käitlemine
vastavalt tootja juhistele /
Installation of embedded parts
according to the manufacturer's instructions.

Taridetailide spetsifikatsioon / Schedule

Pos.	Märkus	tk.
RTA52	Tõsteankur RTA 52x950, tõstevõimsus 125,0 kN	8
Vemo M16	Kinnitusankur Vemo 1036-G-GV M16 x 70	8

Element: CUL-0012		Kogus, tk: 1x
Maht: 9.52 m^3	Kaal: 24.5 t	
Betooni tugevusklass: C35/45	Nimikaitsekihi c_{nom} [mm]: külg 50 mm; üleval 50 mm; allpool 50 mm	Lubatud halve Δc_{dev} [mm]: 10 mm
Armatuurterase klass: B500B	Keskkonnaklass: XC4,XD1,XF3	

BETOONI PINNAD		
SÜMBOL	▼	▽
	VALUPIND	RAKETIS

MUUDATUSED / REVISIONS				
NR / No.	Kuupäev / Date	Kirjeldus / Description	Koostaja / Originator	Kontrollija / Checker	Kinnitaja / Approver
002	08/11/2024	Issue 2	MD	NT	NT
001	01/07/2024	Issue 1	MD	NT	NT

Co-financed by the Connecting Europe Facility of the European Union

PROJEKT / PROJECT
ELEMENTS ASSESSIVAD RAUDTEE ALUSSTRUKTUUR / ELEMENTS ASSESSIVAD RAILWAY STRUCTURE
LEPING Nr / CONTRACT NO. 2024-0003
PROJEKTI Nr / PROJECT NO. RBDTG-EE-DSZ-DPS1_RW0401

Rail Baltica
Rail Baltica Harjumaa põhitrassi raudteetaristu I etapi ehitustööd
ARENG Nr / ARCHIVE NO.

TELLIJA / CLIENT: Rail Baltic Estonia OÜ, Viaduktaal 31, Tallinn, Eesti, 10138, Reg. Nr. 12734109
ALLTÖÖVÕTJA / GENERAL CONTRACTOR: Ehitaja OÜ, Suur-Sõjamäe 50a, 11415 Tallinn, Estonia
KONTROLLIJA / SUPERVISION: EU-RAILTUN / ENGINEER: Tandem Ringtee 12, Tartu, Tartumaa, Reg.No. 10766210
PEATÖÖVÕTJA / MAIN CONTRACTOR: TREV-2 Group AS, Teemeistri 2, Tallinn, Harjumaa, Reg.No. 10547262
ALLTÖÖVÕTJA / GENERAL CONTRACTOR: ALLMARK
TREV

	NIMI / NAME	ALLKIRI / SIGNATURE	KUUPÄEV / DATE
KOOSTAJA / ORGANIZATOR	M. Dubinin		01/07/2024
KONTROLLIJA / SUPERVISOR	N. Tamru		01/07/2024
EKSPERTIJA / EXAMINER	N. Tamru		01/07/2024
PEAINSENER / RESPONSIBLE ENGINEER	A. Pisha		01/07/2024

KUUPÄEV / DATE: 01/07/2024
MÕÕTKAVA / SCALE: 1:20
FORMAAT / PAPER SIZE: A0
JOONISE STAATUS / DRAWING STATUS: STAATUSID KINNITAMISEKS / ISSUED FOR APPROVAL

JOONISE PEALKIRI / DRAWING TITLE
VEETRUUP, ELEMENT CUL-0012
CULVERT, ELEMENT CUL-0012

PROJEKTI KOOD / PROJECT CODE: RBDTG-EE

ASUKOHT / LOCATION	OSA / PART	LIIK / TYPE	NUMBER	ETAPP / PHASE	ASUKOHT / LOCATION	TELLIJA KOOD / CLIENT CODE	PROJEKTI OSA KOOD / PROJECT PART CODE
PROJECT-ID	STRUK-TUUR / STRUCTURE	ALASTRUK-TUUR / SUB-STRUCTURE	OSA-JOONISE NUMBER / DRAWING NUMBER	OSA-JOONISE VERSIOON / DRAWING PART VERSION			
RBDTG-EE	DSZ	DPS1	CUL0012	ZZ	0005	STR	EK	STD

SHEET NUMBER: 1/2
JOONISE VERSIOON / DRAWING VERSION: 002

RBDTG-EE-DSZ-DPS1_TRE_CUL0012-ZZ_0005_04_STR-EK_STD_000112_culvert-element

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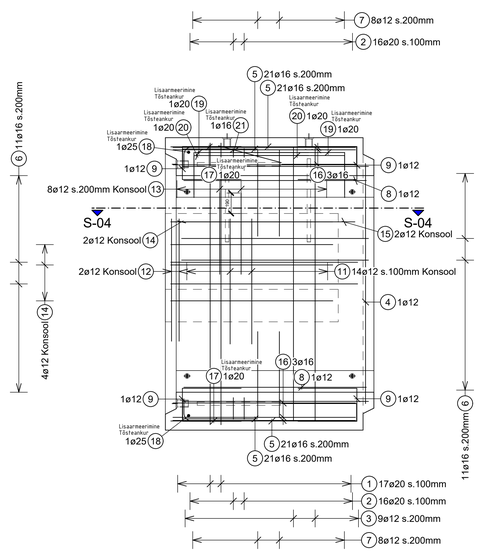
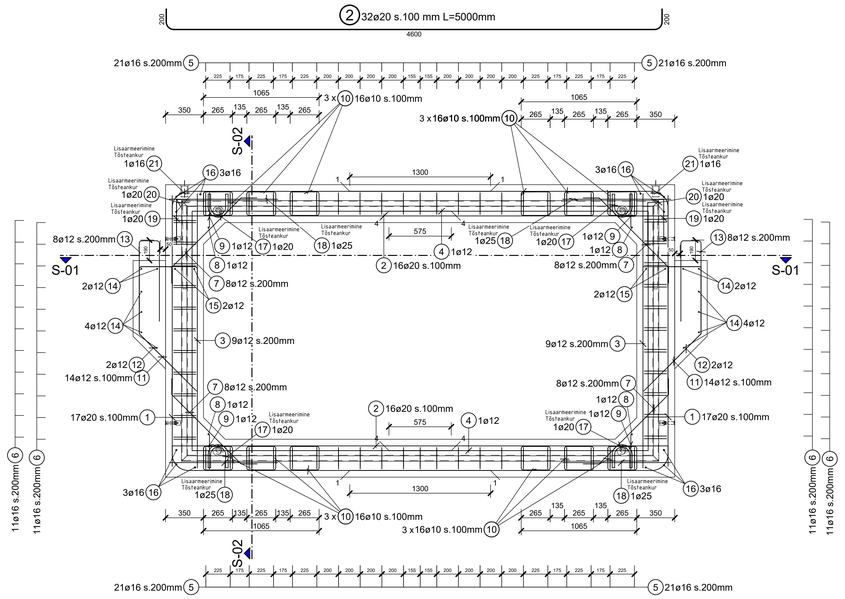
S-02 | LÕIGE CUL-0012 / SECTION CUL-0012

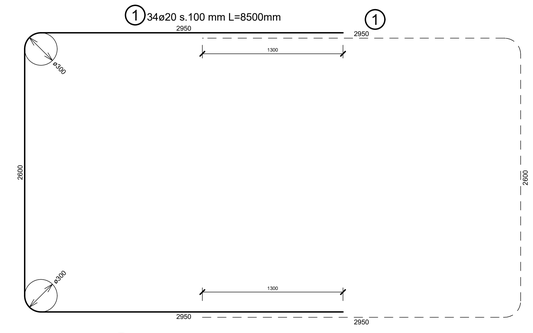
MÕÕTKAVA / SCALE 1:20

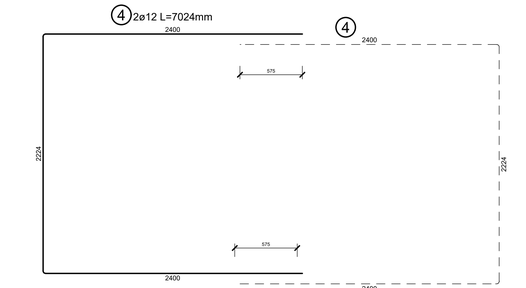


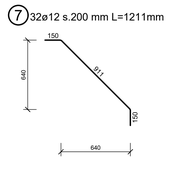
ARMEERIMINE CUL-0012 (VAADE VORMI) / REINFORCEMENT CUL-0012 (VIEW INTO THE FORMWORK)

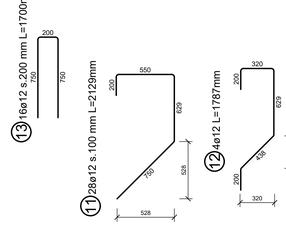
MÕÕTKAVA / SCALE 1:20





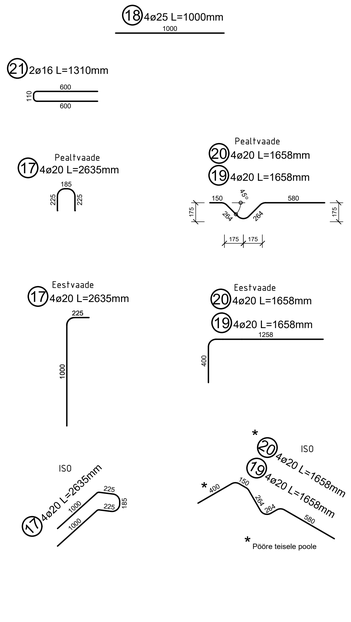






Lisaarmeerimine / Additional reinforcement

Tõsteankrud / Lifting anchors



Pos. Nr.	Kogus	ø	Pikkus [m]	Üldpikkus [m] B500B ø 10	ø 12	ø 16	ø 20	ø 25				Märkused:
1	34	20	8.50			289.00						
2	32	20	5.00			160.00						
3	18	12	2.53		45.54							
4	2	12	7.02		14.04							
5	84	16	2.61			219.24						
6	44	16	2.63			115.72						
7	32	12	1.21		38.72							
8	4	12	1.69		6.76							
9	8	12	1.42		11.36							
10	192	10	1.28	245.76								
11	28	12	2.13		59.64							
12	4	12	1.79		7.16							
13	16	12	1.70		27.20							
14	12	12	1.50		18.00							
15	4	12	1.68		6.72							
16	12	16	1.69			20.28						
17	4	20	2.64				10.56					
18	4	25	1.00					4.00				
19	4	20	1.66				6.64					
20	4	20	1.66				6.64					
21	2	16	1.31			2.62						
Kokku pikkus ø kohta (m)				245.76	235.14	357.86	472.84	4.00				
kg / m				0.617	0.888	1.580	2.470	3.850				
Kaal ø kohta				151.6	208.8	565.4	1167.9	15.4				

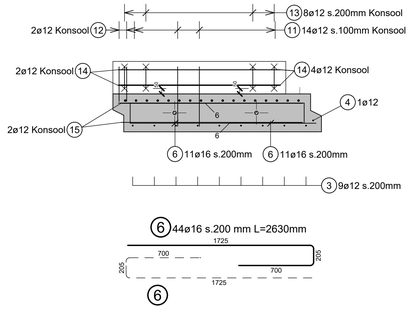
Kogukaal : 2109.172 kg B500B

Pos. Nr.	Kogus	ø	Pikkus [m]	Pikkus j/m	obr ids	Varda kuju ja painutus	Märkused B500B
1	34	20	8.50	289.00	15	280 280 280	
2	32	20	5.00	160.00	7	4600	
3	18	12	2.53	45.54		2533	
4	2	12	7.02	14.04	4	2400 2400	
5	84	16	2.61	219.24	4	1725 700	
6	44	16	2.63	115.72	4	1725 700	
7	32	12	1.21	38.72	4	100 971 640	
8	4	12	1.69	6.76		1685	
9	8	12	1.42	11.36	4	550 315 550	
10	192	10	1.28	245.76	4	280 130 230 100 230 280	
11	28	12	2.13	59.64	4	629 550 200 750	
12	4	12	1.79	7.16	4	320 200 629 508 300 200 320	EN ISO 3766
13	16	12	1.70	27.20	4	750 790	
14	12	12	1.50	18.00		1496	
15	4	12	1.68	6.72		1675	
16	12	16	1.69	20.28		1685	
17	4	20	2.64	10.56	7	185 225 1000 225 185	3D-Vaade
18	4	25	1.00	4.00		1000	
19	4	20	1.66	6.64	7	175 175 400 150 580 175 175	3D-Vaade
20	4	20	1.66	6.64	7	400 150 580 175	3D-Vaade
21	2	16	1.31	2.62	4	600 210 600	

Element: CUL-0012		Kogus, tk: 1x
Maht: 9.52 m³	Kaal: 24.5 t	
Betooni tugevusklass:	C35/45	Nimikaitsekiht c_{nom} [mm]: külg 50 mm, üleval 50 mm, allpool 50 mm; Lubatud halve Δc_{dev} [mm]: 10 mm
Armatuurterase klass:	B500B	Keskkonnaklass: XC4,XD1,XF3
Armatuuri kaal kokku:	2109.2 kg	

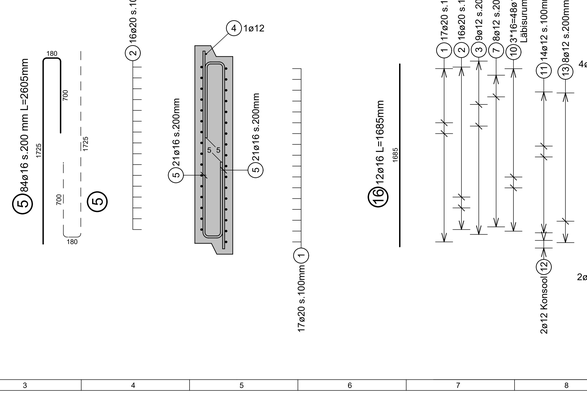
S-04 | LÕIGE CUL-0012 / SECTION CUL-0012

MÕÕTKAVA / SCALE 1:20



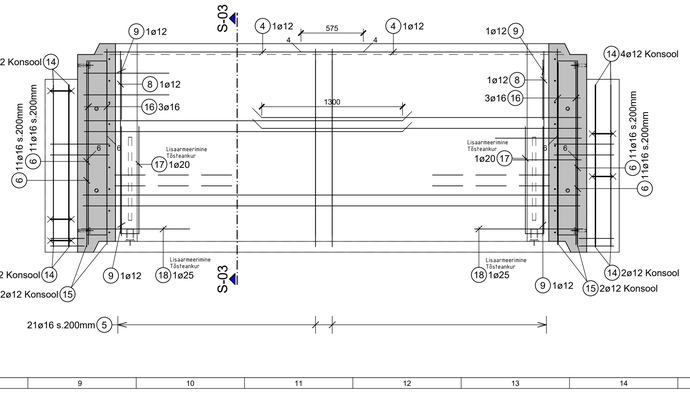
S-03 | LÕIGE CUL-0012 / SECTION CUL-0012

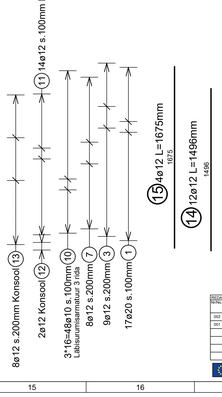
MÕÕTKAVA / SCALE 1:20



S-01 | LÕIGE CUL-0012 / SECTION CUL-0012

MÕÕTKAVA / SCALE 1:20





REVISJONID / REVISIONS				
Nr.	Kuupäev / Date	Kirjeldus / Description	Koostaja / Originator	Kontrollija / Checker	Kinnitaja / Approver
002	08/11/2024	Issue 2	MD	NT	NT
001	01/07/2024	Issue 1	MD	NT	NT

Co-financed by the Connecting Europe Facility of the European Union

PROJEKT / PROJECT
RAIL BALTICA RAUDTEE ALUSTRUKTUUR ELEMENTIDE KOOSTAMINE RAILWAY STRUCTURE
LEPING Nr / CONTRACT NO: 2024-0020
PROJEKTI Nr / PROJECT NO: RB07D-EE-DS2-DPS1_RW0401

Rail Baltica
Rail Baltica Harjumaa põhitrassi raudteetaristu I etapi ehitustööd
ARIENI Nr / ARCHIVE NO.

TELLIJA / CLIENT
RAIL BALTIC TRAINING OÜ
Veskijõe 2/1
Tallinn, Eesti
10138
Reg. Nr. 12734109

ALLTÖÖVÕTJA / GENERAL CONTRACTOR
Konsortsiumiliget OÜ
Ringtee 12
Tartu
Tartumaa
Reg.Nr. 16799210

PEATÖÖVÕTJA / MAIN CONTRACTOR
TREV-2 Group AS
Teemeele 2
Tallinn
Harjumaa
Reg.No. 10547302

TREV-2
Infrarek OÜ
Suur-Sõjamäe 50a
11414 Tallinn, Estonia
Reg.no. 12986447

ALLSPARK

KUUPÄEV / DATE: 01/07/2024
JOONISE STAATUS / DRAWING STATUS: ESITAMISEKS KINNITAMISEKS / ISSUED FOR APPROVAL

	NIMI / NAME	ALLKIRI / SIGNATURE	KUUPÄEV / DATE
KOOSTAJA / ORIGINATOR	M. Dubovik		01/07/2024
KONTROLLIJA / CHECKER	N. Tarmo		01/07/2024
ÜLEVAATAJA / REVIEWER	N. Tarmo		01/07/2024
HEAKSKIITJA / APPROVAL	A. Piske		01/07/2024

MÕÕTKAVA / SCALE: 1:20
FORMAAT / SIZE: A0

JOONISE PEALKIRI / DRAWING TITLE
VEETRUUP, ELEMENT CUL-0012, ARMEERIMINE
CULVERT, ELEMENT CUL-0012, REINFORCEMENT

PROJEKTI KOOD / PROJECT CODE: RB07D-EE-DS2-DPS1

PROJEKT / PROJECT	ETAPP / STAGE	OSA / PART	LIIK / TYPE	OSAKOND / DISCIPLINE	NUMBER
RB07D-EE	DS2	DPS1	CUS3760	ZZ	0005

KOOD / CODE: 078 EK STD

JOONISE FAILIPÄRI / SHEET NAME: RB07D-EE-DS2-DPS1_TRE_CUS3760-ZZ_0005_04_ST78-EK_STD_000112_culvert element

LEHE NUMBER / SHEET NUMBER: 2/2

RAKENDUSKOOD / APPLICATION CODE: EN ISO 3766

PROJEKTI STAATUS / PROJECT STATUS: 002

3D-Vaade

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