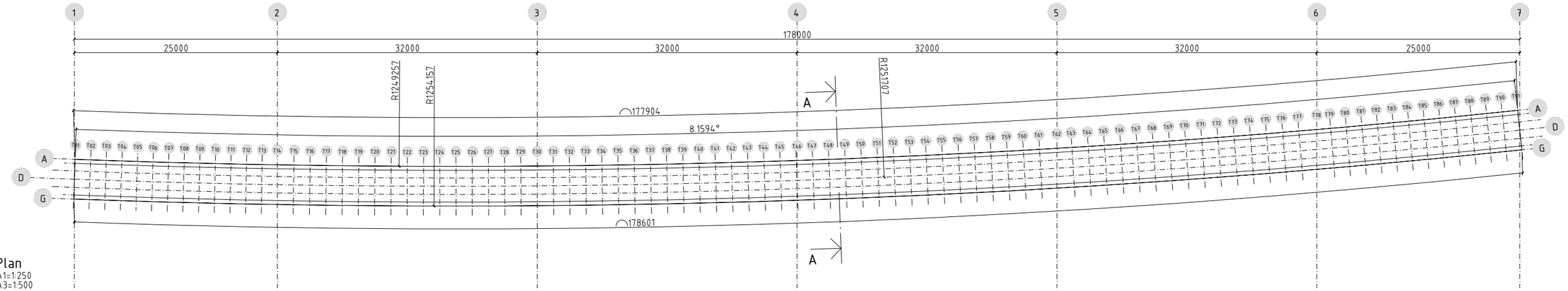
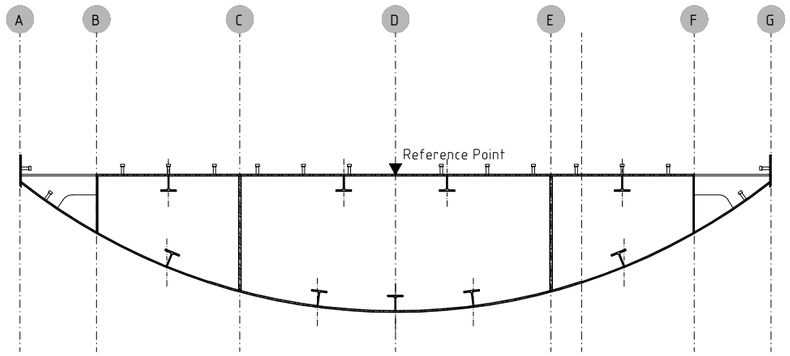


Plan
A1=1:250
A3=1:500



Section A-A
A1=1:20
A3=1:40

Axis	Reference point Z(mm)
T01	6420
T02	6548
T03	6545
T04	6541
T05	6536
T06	6530
T07	6523
T08	6515
T09	6506
T10	6496
T11	6485
T12	6473
T13	6460
T14	6450
T15	6430
T16	6413
T17	6395
T18	6376
T19	6356
T20	6335
T21	6312
T22	6283
T23	6264

Axis	Reference point Z(mm)
T24	6239
T25	6212
T26	6184
T27	6155
T28	6125
T29	6093
T30	6061
T31	6028
T32	5993
T33	5957
T34	5921
T35	5883
T36	5844
T37	5804
T38	5763
T39	5720
T40	5677
T41	5633
T42	5587
T43	5540
T44	5493
T45	5444
T46	5394

Axis	Reference point Z(mm)
T47	5343
T48	5290
T49	5237
T50	5183
T51	5127
T52	5070
T53	5013
T54	4954
T55	4894
T56	4833
T57	4771
T58	4707
T59	4643
T60	4578
T61	4511
T62	4443
T63	4375
T64	4305
T65	4234
T66	4162
T67	4088
T68	4014
T69	3939

Axis	Reference point Z(mm)
T70	3862
T71	3784
T72	3706
T73	3626
T74	3545
T75	3463
T76	3380
T77	3296
T78	3210
T79	3127
T80	3043
T81	2958
T82	2871
T83	2784
T84	2696
T85	2607
T86	2516
T87	2425
T88	2333
T89	2239
T90	2145
T91	1920

A1 1:20 0 0.4 0.8 1.2 1.6 2m

A1 1:250 0 5 10 15 20 25m

NOTES

General

Design basis: SVV Håndbok N400 (2015) and Prosesskode R762 (2018)
Relevant Eurocodes with associated Norwegian National Annex.

Execution class: EXC3 to NS-EN 1090-2:2008+A1:2011

Control class: Normal control to NS-EN 1990:2002+NA:2016

Steel

Steel grade: S355N to NS-EN 10025-3

Corrosion protection: Type 1: All exposed steel surfaces to be System 1 in accordance with SVV Prosesskode 2 Håndbok R762 (2018). Steel corrosion protection should extend minimum 100mm under concrete at steel-concrete interface.
Colour: RAL7035
Type 2: Inside airtight box sections no corrosion protection is required in accordance with NS-EN ISO 12944-2. 100% pressure testing of section with 100% magnetic particle inspection of welds to Håndbok R762 Prosess 85.24.
Type 3: All steel plates under concrete deck/edge beam to be blast-cleaned, Sa3.

Shear studs: φ16x50mm to NS-EN ISO 13918

Steel structures shall be delivered CE-marked in accordance with NS-EN 1090-1

Welding

Inspection Class 2 to Håndbok R762 Prosess 85.24
All welds are complete joint penetration butt welds unless noted otherwise.
All fillet welds are minimum 0.4·t both sides, or 0.7·t on one side, unless noted otherwise.
Provide all access/relief holes as required by code.
Seal access/relief holes where required to provide airtightness to box section.
All welds indicated as site welds are in accordance with the proposed erection sequence.
Weld symbols in accordance with System B, NS-EN ISO 2553 (2013).
Contractor to set a welding sequence which avoids undesirable deformations that may affect the final geometry of the deck.

REFERENCE DRAWINGS
K-301 Steel - Geometry 1
K-302 Steel - Geometry 2
K-303 Steel - Plate thicknesses
K-310 Steel - Typical sections 1
K-311 Steel - Typical sections 2
K-312 Steel - Typical sections 3
K-320 Steel - Detail 1
K-321 Steel - Detail 2
K-322 Steel - Detail 3
K-323 Steel - Detail 4
K-324 Steel - Detail 5
K-325 Steel - Stiffener details

Revisjon	Revisjonen gjelder	Utarb.	Kontr.	Godkjent	Rev. Dato
-	-	-	-	-	-
-	-	-	-	-	-

Bru over Otra

Steel - Geometry 2

Tender

DEGREE OF FREEDOM

KRISTIANSAND KOMMUNE

Utarbeidet av	Kontrollert av	Godkjent av	Konsulentarkiv
AL	RC	BO	18077

Tegningsdato	01.03.2019
Målestokk	As shown
Tegningsnummer/ revisjonsbokstav	K-302 -