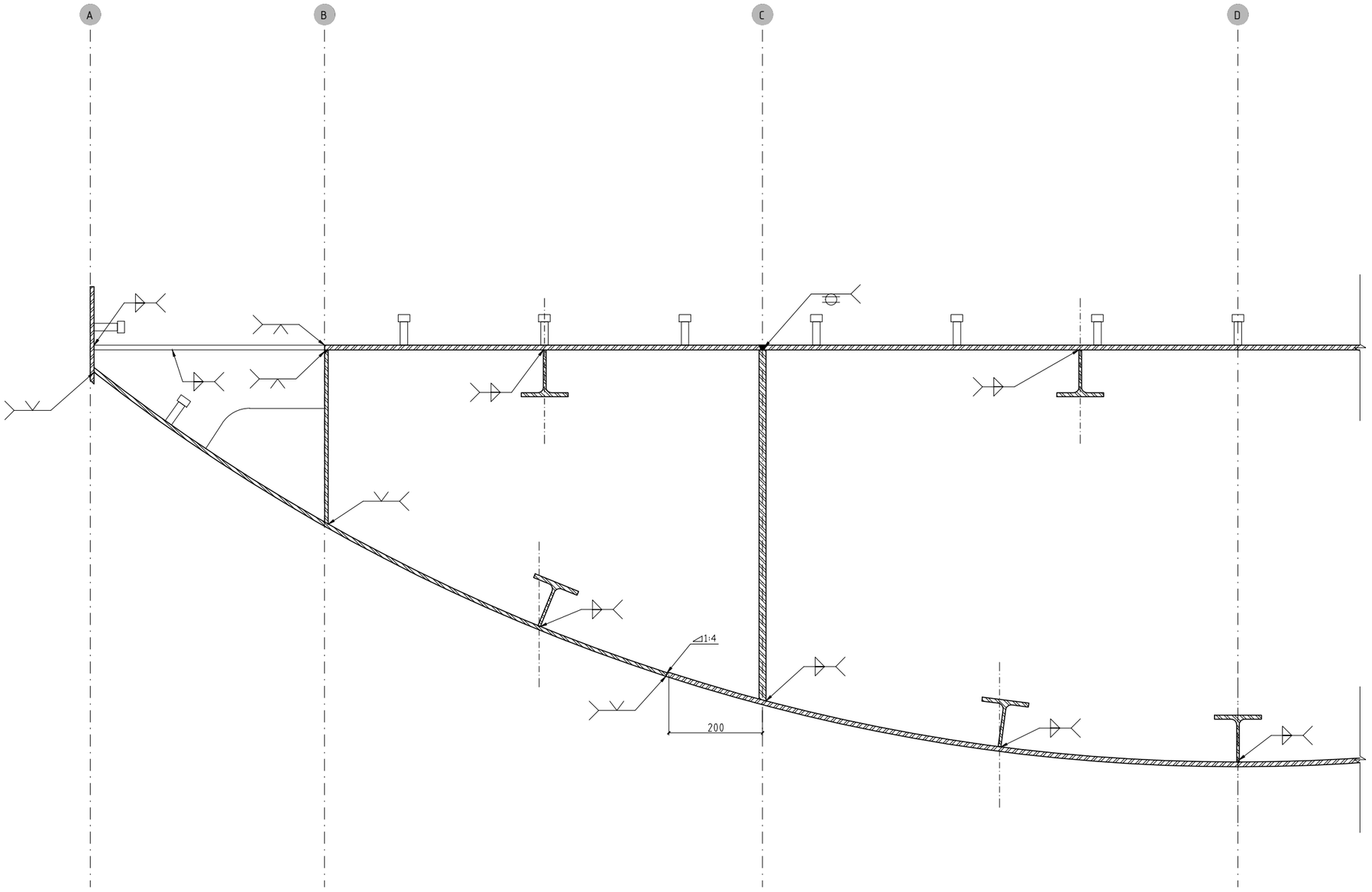

Detail 1
A1=1:5
A3=1:10

A1 1:5 0 0.1 0.2 0.3 0.4 0.5m

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

DEGREE OF FREEDOM

Steel - Detail 1

Tender

Utarbeidet av	Kontrollert av	Godkjent av	Konsulentarkiv
AL	RC	BO	18077

Tegningsdato	01.03.2019
Målestokk	1:10
Tegningsnummer/ revisjonsbokstav	K-320 -