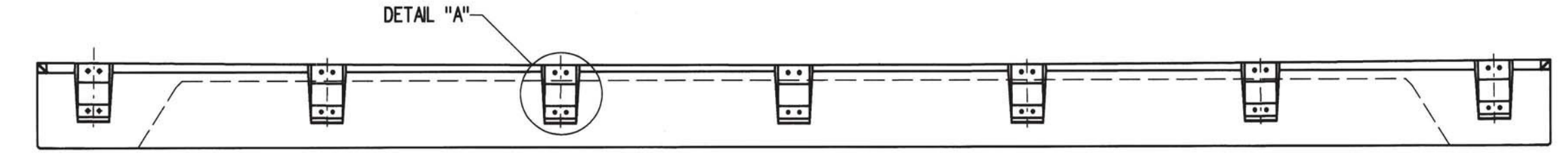
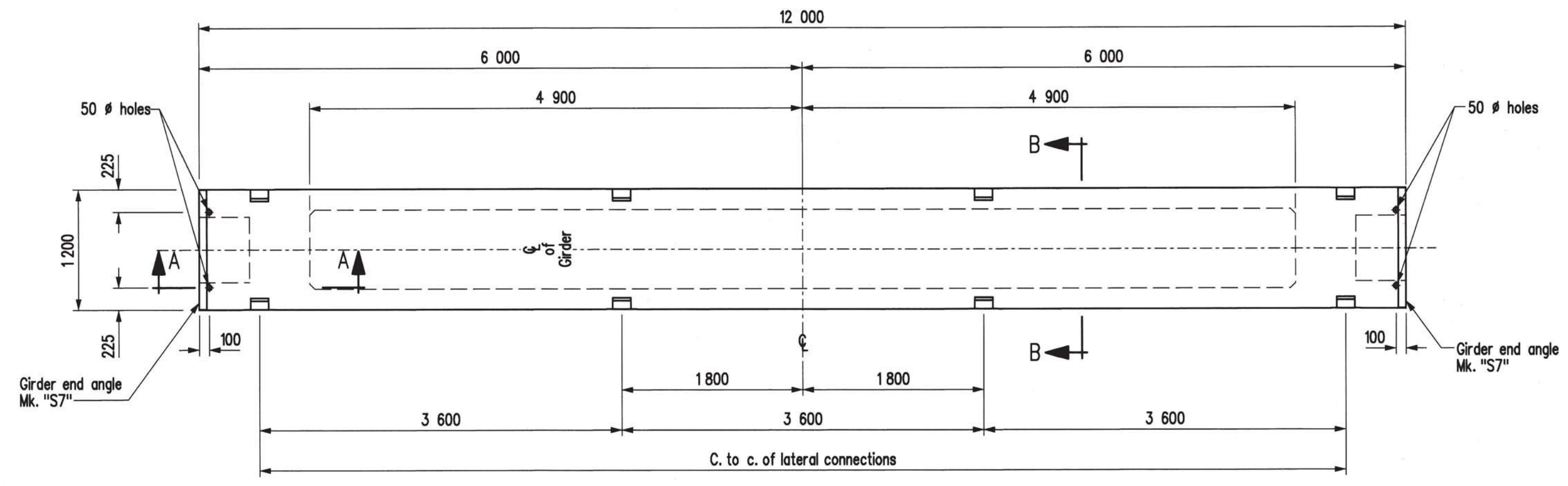


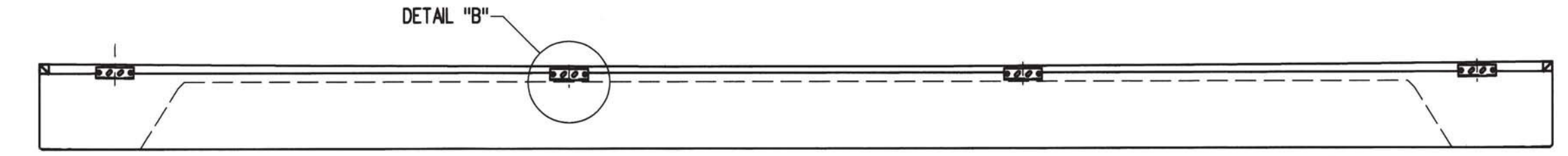
PLAN



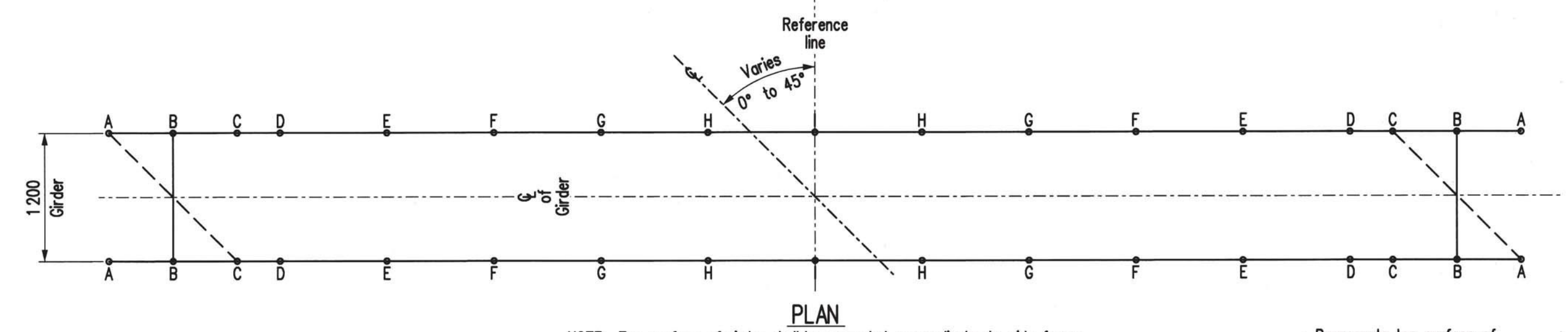
EXTERIOR ELEVATION
EXTERIOR GIRDER MK. "G1"



PLAN

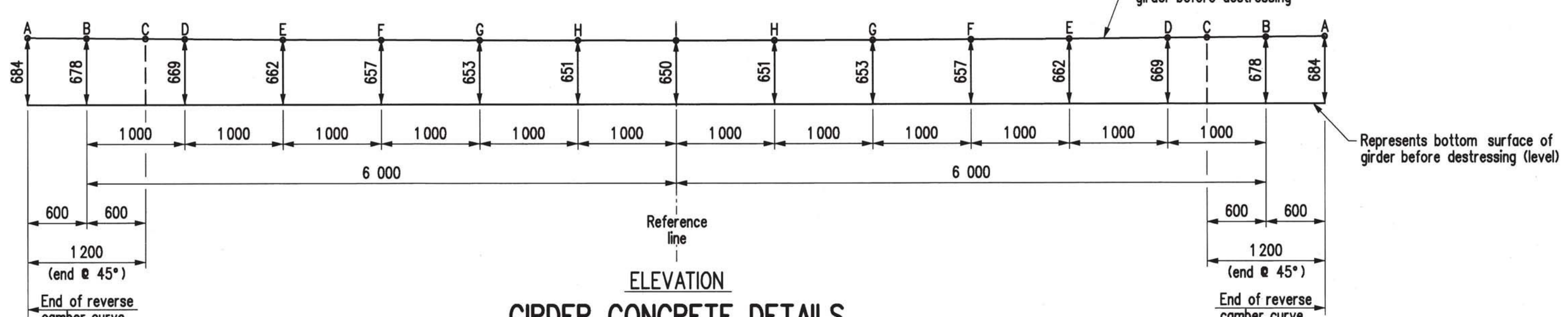


ELEVATION
INTERIOR GIRDER MK. "G2"



PLAN

NOTE: Top surface of girder shall be screeded perpendicular to side forms

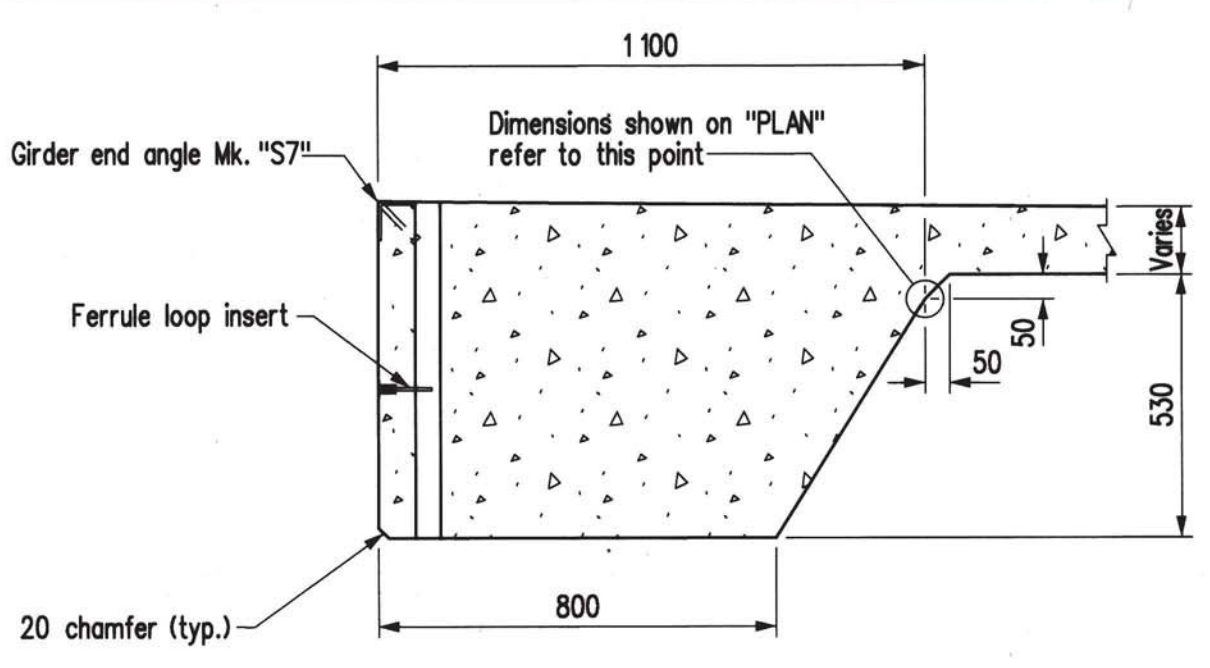


ELEVATION

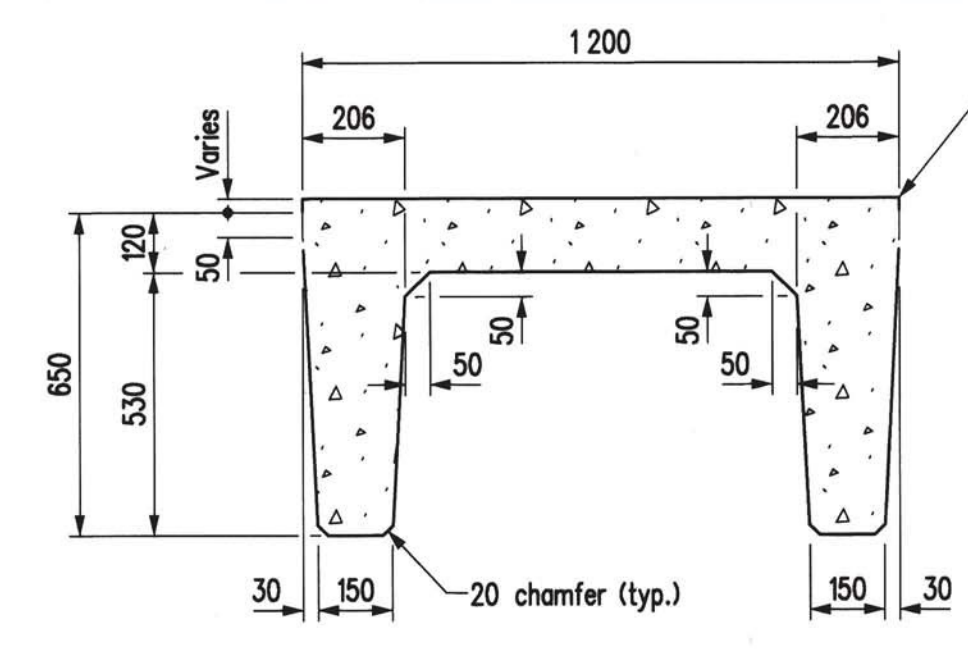
GIRDER CONCRETE DETAILS

Showing variable depth of girder to eliminate camber on top surface after destressing

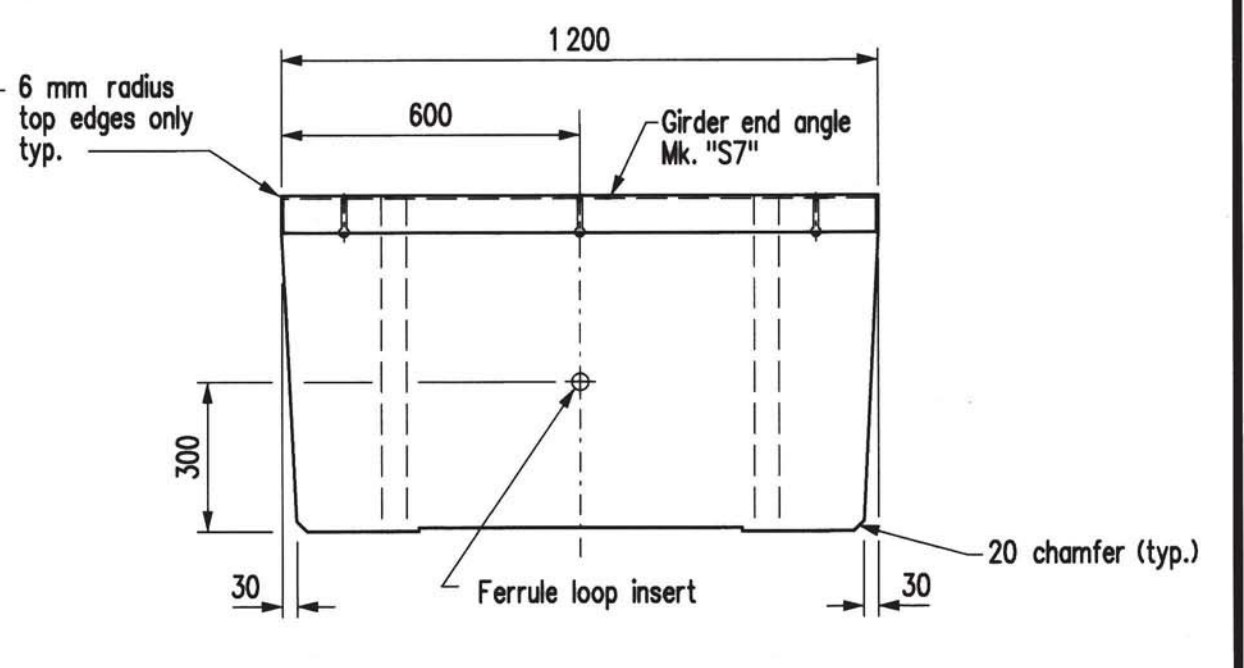
NOTE: The end of girder will fall between POINT "A" and POINT "C" on curve because of various skew angles.



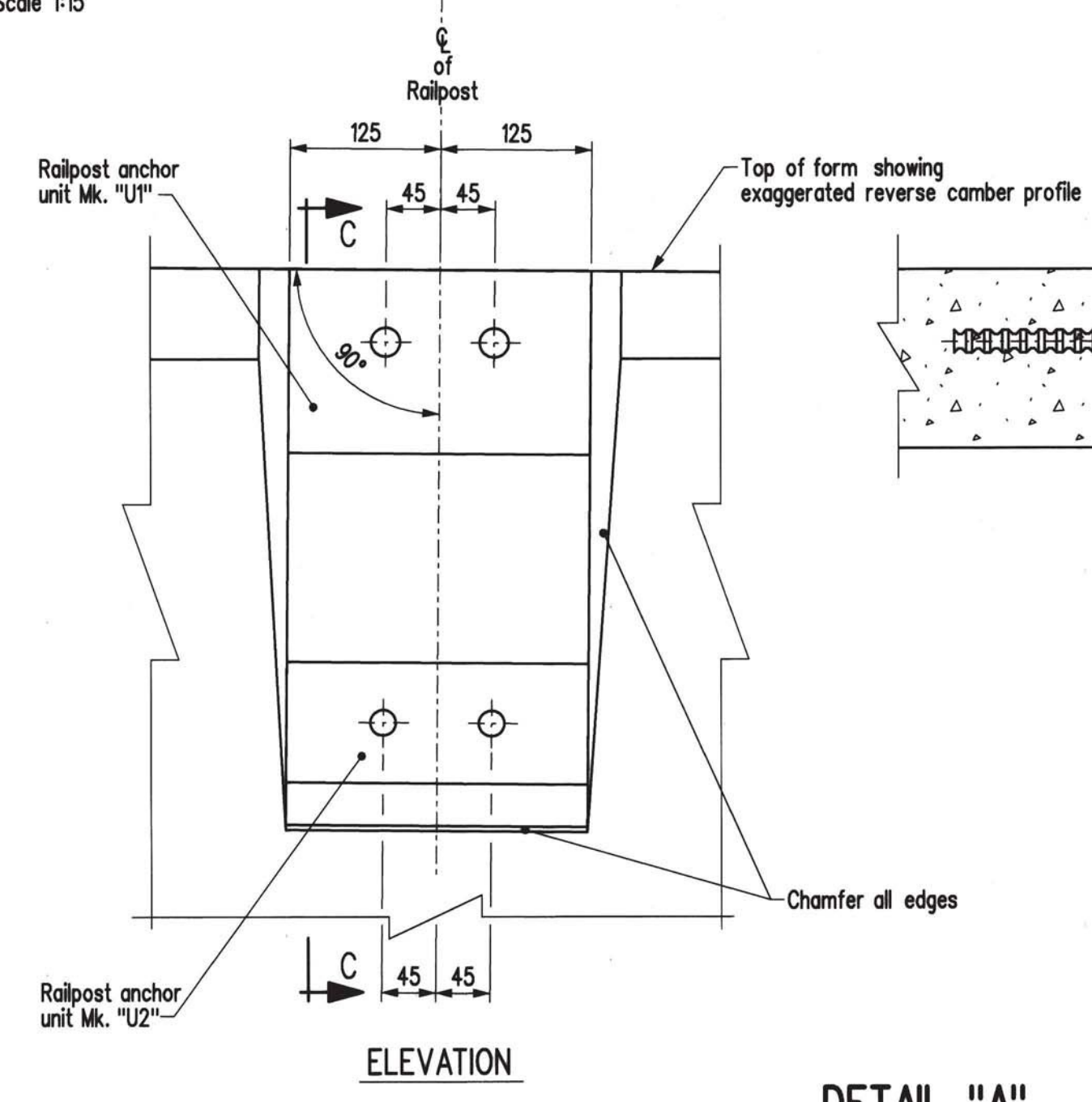
SECTION A-A
Typical at both ends of girders
Scale 1:15



SECTION B-B
Scale 1:15



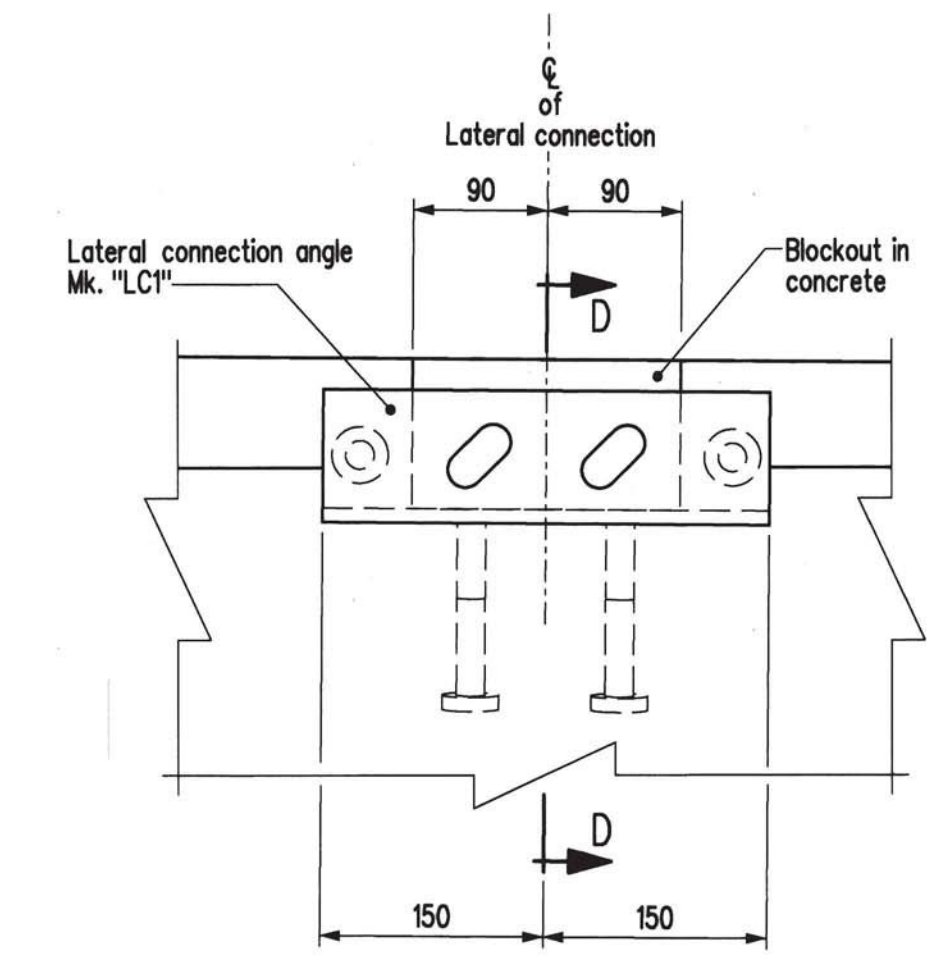
END VIEW
Scale 1:15



ELEVATION

SECTION C-C

DETAIL "A"
Scale 1:5



ELEVATION

SECTION D-D

DETAIL "B"
Scale 1:5

- NOTES:
- Design in accordance with AASHTO LRFD Bridge Design Specifications, Seventh Edition, 2014.
 - Design Vehicular Live Load: Modified AASHTO HSS-25 AASHTO LRFD "HL-93"
 - Design distribution factor = 0.5 lanes/girder.
 - Concrete strength: f_{ct} transfer, f_{ci} = 35 MPa
 f_c 28 days, f_c = 45 MPa
 - Prestressing steel: 13 mm ϕ low relaxation strands
Minimum ultimate strength, f_{pu} = 1860 MPa
Jacking force/strand, f_{pj} = 128.5 kN/strand
 - Girder dimensioning tolerances: Length $3 \text{ mm} \pm$
Cross section $2 \text{ mm} \pm$
 - Approximate mass per girder = 12 000 kg

REVISIONS		PRECAST PRESTRESSED CHANNEL GIRDER DETAILS	
DATE	BY	DESIGN SEAL	RECORD SEAL
Original signed and sealed by Andy Pankratz July 9, 2020			
APPROVED BY: Original signed by Micheal Hagos July 28, 2020		DIRECTOR OF STRUCTURES	
DESIGN	BY: A.H.P.	DATE	
	CHECKED: A.H.P.	SCALE:	1:40
DETAILS	BY: K.P.	SHEET No.	1 of 5
	CHECKED: A.H.P.	STD No.	PPCC_PR_10.8_12m_GD03

