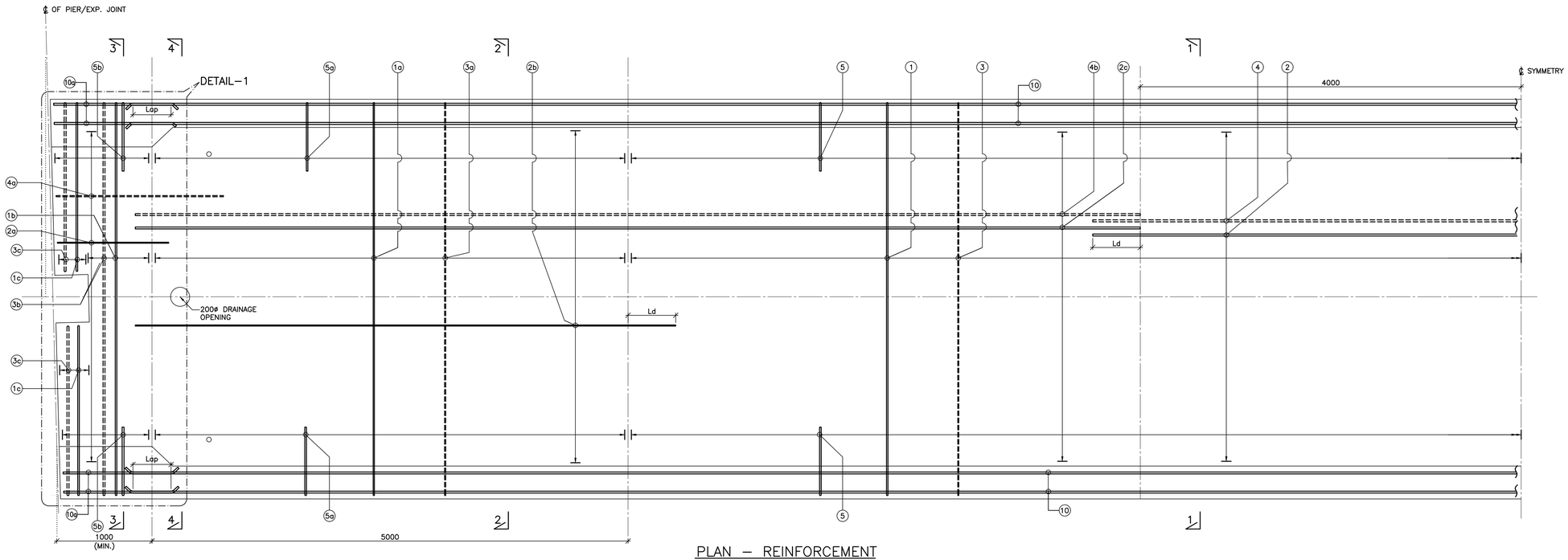
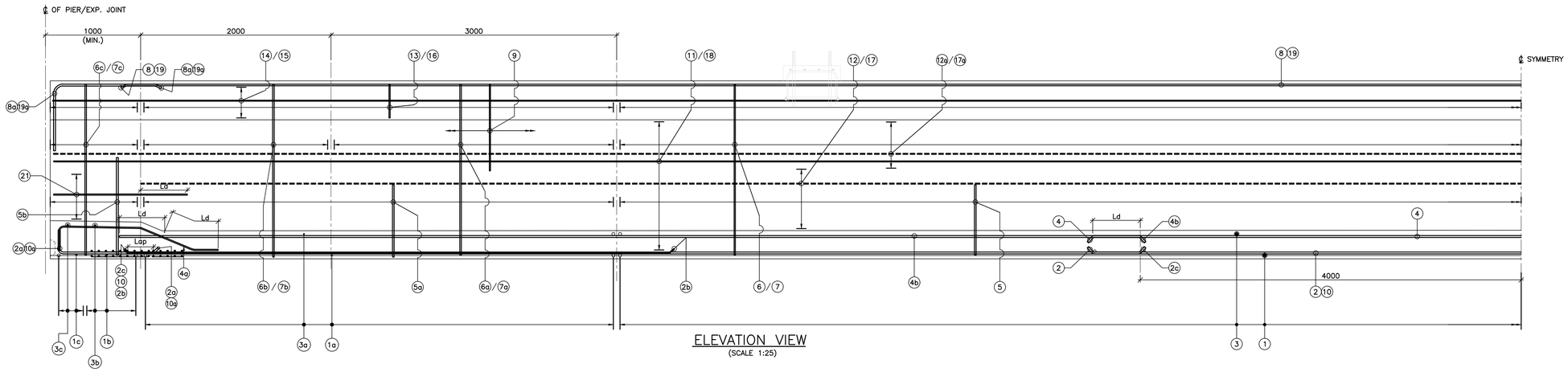


PLAN – REINFORCEMENT
(SCALE 1:25)



ELEVATION VIEW
(SCALE 1:25)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES. UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED, FOLLOW ONLY WRITTEN DIMENSIONS.
3. ALL REINFORCEMENTS SHALL BE Fe–500 CONFORMING TO IS:1786.
4. GRADE OF CONCRETE SHALL BE M60.
5. MINIMUM CLEAR COVER TO ANY REINFORCEMENT SHALL BE 35mm.
6. DEVELOPMENT LENGTH REPRESENTED BY Ld SHALL BE EQUAL TO 41 TIMES THE DIA OF THE BAR.
7. LAP LENGTH SHALL BE EQUAL TO 58 TIMES THE DIA. OF BAR AND NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT A SECTION.
8. ALL LAPS SHALL BE STAGGERED. NOT MORE THAN 50% OF REINFORCEMENT SHALL BE LAPPED AT ANY SECTION.
9. ADEQUATE LINKS/SPACER BARS SHALL BE PROVIDED FOR PROPER POSITIONING OF REINFORCEMENT.
10. FAR FACE BARS SHOWN THUS ——————————
    NEAR FACE BARS SHOWN THUS — — — — — — — — —
11. TRANSVERSE BARS ARE TO BE ARRANGED RADIALLY. WHERE SPACING IS GIVEN THEY ARE ALONG OUTER PERIPHERY OF CURVE (MAXIMUM SPACING)
12. DOWEL BARS FOR RAIL PLINTH AND OHE MAST PEDESTAL SHALL BE LEFT BEFORE CONCRETING.

REFERENCE DRAWINGS: (LATEST REVISION)

1. 022077–BSRP–CR2–C–VD–GEN–30–1058 – GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 31M CURVED SPAN SUPERSTRUCTURE (R=1252.6M)
2. 022077–BSRP–CR2–C–VD–GEN–30–1059 – GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 31M CURVED SPAN SUPERSTRUCTURE (R=1252.6M)
3. 022077–BSRP–CR2–C–VD–GEN–30–1060 – PRE TENSIONED STRAND DETAILS FOR 31M CURVED SPAN SUPERSTRUCTURE (R=1252.6M)
4. 022077–BSRP–CR2–C–VD–GEN–30–1061 – REINFORCEMENT DETAILS OF 31M CURVED SPAN (SHEET–2 OF 2) SUPERSTRUCTURE (R=1252.6M)
5. 022077–BSRP–CR2–C–VD–GEN–30–1062 – REINFORCEMENT DETAILS OF 31M CURVED SPAN (SHEET–1 OF 2 & 2 OF 2) SUPERSTRUCTURE (R=1252.6M)
6. 022077–BSRP–CR2–C–VD–GEN–30–1063 – GAUGES AND CLEARANCES – 31 M SPAN – (R=1252.6M) – PLAN VIEW & SECTION VIEW
7. 022077–BSRP–CR2–C–VD–GEN–30–5001 – PRE TENSIONED STRAND DETAILS FOR U–GIRDER.
8. 022077–BSRP–CR2–C–VD–GEN–30–5006 – TYPICAL DETAIL OF ANCHOR & REINFORCEMENT OF PEDESTAL & WEB OF U–GIRDER AT OHE MAST LOCATION.
9. 022077–BSRP–CR2–C–VD–GEN–30–5008 – TYPICAL REINFORCEMENT DETAILS AT LIFTING HOLE LOCATION FOR U–GIRDER.
10. 022077–BSRP–CR2–C–VD–GEN–30–5021 – PLACING OF U–GIRDER AND I–GIRDER FOR CR2 & CR4.

LICENSE:

"THIS DESIGN FOR THE PROJECT HAVE BEEN PREPARED UNDER LICENSE FROM M/S SYSTRA"

GOOD FOR CONSTRUCTION

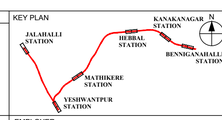
NOTES :
1. ALL DIMENSIONS ARE IN MILLIMETRES. UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED, FOLLOW ONLY WRITTEN DIMENSIONS.

LEGEND :

REFERENCE DRAWINGS :

REFERENCE DOCUMENTS :

KEY PLAN



STATION BOX KEY PLAN

REVISIONS		
0	16.07.2024	FOR CONSTRUCTION
A	06.05.2024	FOR APPROVAL
REV	DATE	BRIEF DESCRIPTION

CONTRACTOR :
TRANSPORTATION INFRASTRUCTURE IC
EDRC-SPECIAL BRIDGES

DETAILED DESIGN CONSULTANT (DDC) :
STUP Consultants Pvt. Ltd.
(F & Dev) Jambuketnwar Arcade
69, 6th Floor
Bangalore, Bengaluru-560052.
Tel.: 080-2286 9900
Email : bangalore@easystem.com
www.easystem.com

L&T CONSTRUCTION
EDRC-SPECIAL BRIDGES - TIIC

PROOF CONSULTANT (PC) :
Indian Institute of Technology Madras
IIT P.O., Chennai
600 036 INDIA

QUALITY ASSURANCE
The responsibility of control, check and verification of accuracy, correctness, completeness, integration and full compliance of Contract provisions in respect of design analysis and drawing rests with Design & Build Contractor.

	DDC			PC	Contractor
SIGN					
DATE	11.07.2024	11.07.2024	11.07.2024		11.07.2024
NAME	ABDULLA S	VIJAYENDRA J	SHASHIDHAR C		KVM
	PREPARED BY	CHECKED BY	APPROVED BY	APPROVED BY	ISSUED BY

GENERAL CONSULTANTS

	CHECKED & APPROVED		COUNTER SIGN	
	NAME	SIGN	PROJECT DIRECTOR	
CIVIL:GAD			SIGN	
CIVIL:ALIGNMENT			NAME	
CIVIL:STRUCTURAL			DATE	
CIVIL:GEOTECH				

K RIDE

	DESIGNATION	SIGN	DATE
CIVIL:GAD			
CIVIL:ALIGNMENT			
CIVIL:STRUCTURAL			
GM/CIVIL/DESIGN			

EMPLOYER :
RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED

GENERAL CONSULTANTS :
AECOM egis WSP AECOM-EGIS-WSP

PROJECT : BENGALURU SUBURBAN RAILWAY PROJECT (BSRP)
K-RIDE CORRIDOR - 2

DRAWING TITLE : REINFORCEMENT DETAILS OF 31M CURVED SPAN SUPERSTRUCTURE (R≥1252.6M) (SHEET 1 OF 2)

DRAWING NO. : O22077-BSRP-CR2-C-VD-GEN-30-1061 | REVISION 0 | DWG STATUS C

SCALE : AS SHOWN | DATE : 11.07.2024

PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M) | SHEET SIZE - A1

10/29/2024 15:51:29
D:\Metro_ROAD_X-RIDE\1_c-gen_SIGN\new templates\1M CURVED\SIGN\022077-BSRP-CR2-C-VD-GEN-30-1061_D.dwg