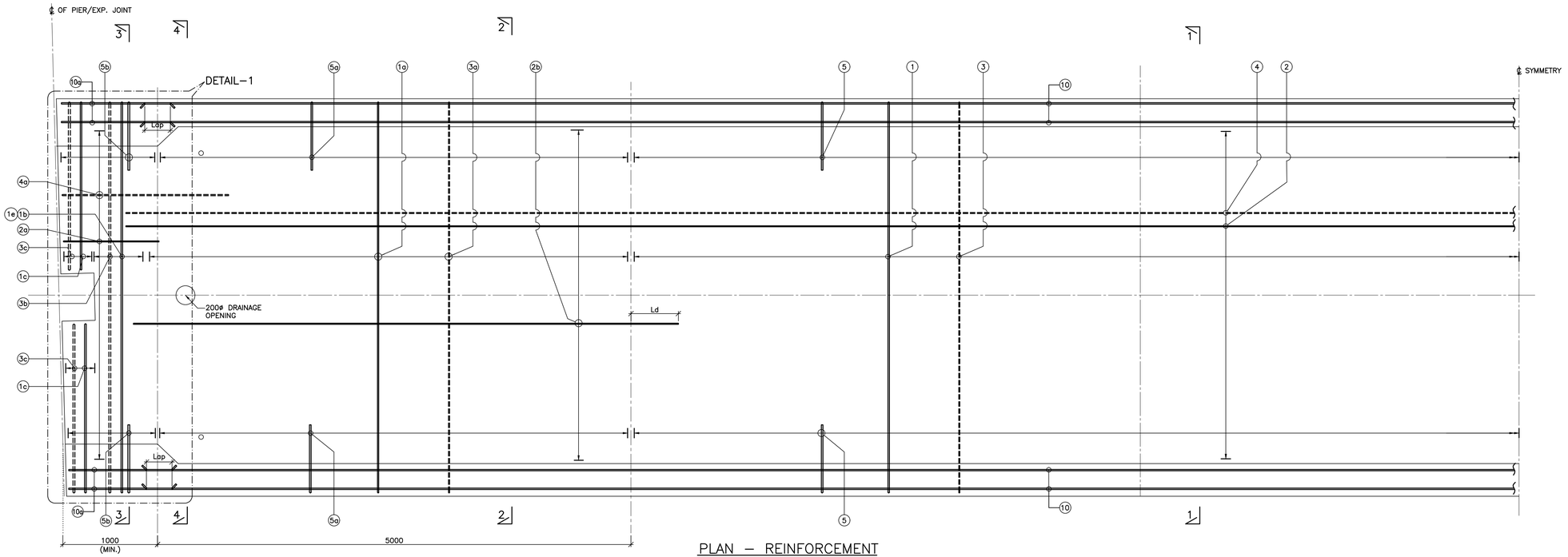
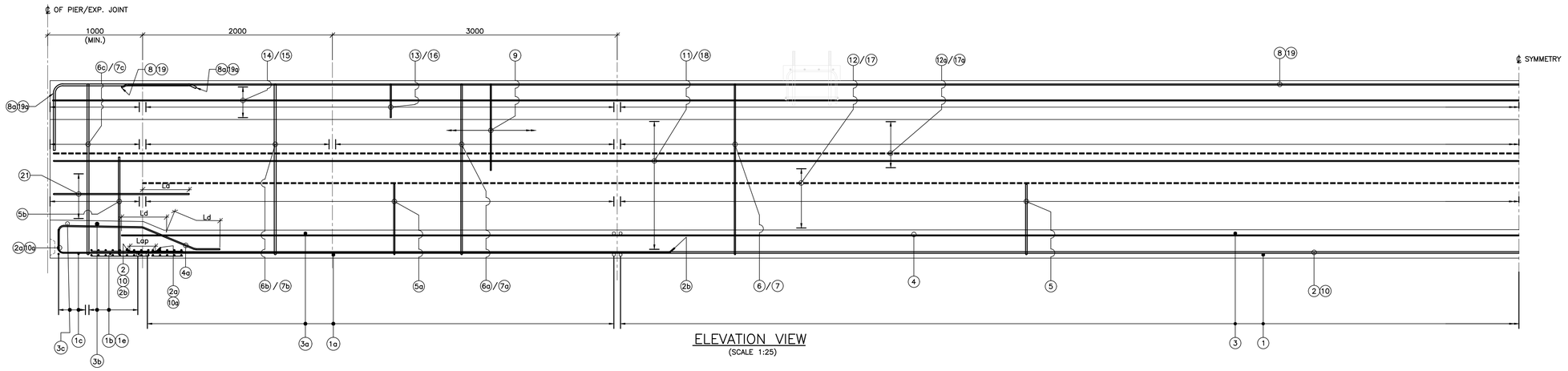


PLAN – REINFORCEMENT
(SCALE 1:25)



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-30-1031 – GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 22M CURVED SPAN SUPERSTRUCTURE(R≥328M & R<438M)
2. 022077-BSRP-CR2-C-VD-GEN-30-1032 – GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF 22M CURVED SPAN SUPERSTRUCTURE(R≥328M & R<438M)
3. 022077-BSRP-CR2-C-VD-GEN-30-1033 – PRE TENSIONED STRAND DETAILS FOR 22M CURVED SPAN SUPERSTRUCTURE (R≥328M & R<438M)
4. 022077-BSRP-CR2-C-VD-GEN-30-1035 – REINFORCEMENT DETAILS OF 22M CURVED SPAN SUPERSTRUCTURE (R≥328M & R<438M) SHEET 1 OF 2
5. 022077-BSRP-CR2-C-VD-GEN-30-1035 – REINFORCEMENT DETAILS OF 22M CURVED SPAN SUPERSTRUCTURE (R≥328M & R<438M) SHEET 2 OF 2
6. 022077-BSRP-CR2-C-VD-GEN-30-1036 – GAUGES AND CLEARANCES – 22 M SPAN – (R≥328M & R<438M) – 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-30-5021 – PLACING OF U–GIRDER AND I–GIRDER FOR CR2 & CR4
10. 022077-BSRP-CR2-C-VD-GEN-30-5008 – TYPICAL REINFORCEMENT DETAILS AT LIFTING HOLE LOCATION FOR U GIRDER

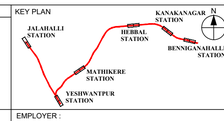
LICENSE:

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

GOOD FOR CONSTRUCTION

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

KEY PLAN



STATION BOX KEY PLAN

REVISIONS		
0	21.05.2024	GOOD FOR CONSTRUCTION
E	25.04.2024	REVISED BY ADDING PATENT NOTE & DUE TO CONGESTION OF REINFORCEMENT
D	29.01.2024	REVISED AS MARKED
C	01.12.2023	REVISED AS PER GC's COMMENTS THROUGH LETTER NO. 1077
B	11.10.2023	REVISED DRAWING AS DRAWING CHANGED FROM ONE DIMENSIONAL TO TWO DIMENSIONAL AND AS PER GC's COMMENTS
A	14.07.2023	FOR APPROVAL
REV	DATE	BRIEF DESCRIPTION

CONTRACTOR :
TRANSPORTATION INFRASTRUCTURE IC
EDRC-SPECIAL BRIDGES

DETAILED DESIGN CONSULTANT (DDC) :
STUP Consultants Pvt. Ltd.
JP & Devi Jamboodeswar Arcade
69, 6th Floor,
Bannerghatta Road, Bengaluru-560052.
Tel.: 080-2296 9900
Email : bangalore@asiaystem.com
www.asiaystem.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	21.05.2024	21.05.2024	21.05.2024		21.05.2024
NAME	PRESHIT M	VIJAYENDRA J	SHASHIDHAR C		KVM
	PREPARED BY	CHECKED BY	APPROVED BY	APPROVED BY	ISSUED BY

GENERAL CONSULTANTS

	CHECKED & APPROVED		COUNTER SIGN		K RIDE			
	NAME	SIGN	PROJECT DIRECTOR			DESIGNATION	SIGN	DATE
CIVIL:GAD			SIGN		CIVIL:GAD			
CIVIL:ALIGNMENT			NAME		CIVIL:ALIGNMENT			
CIVIL:STRUCTURAL			DATE		CIVIL:STRUCTURAL	GM/CIVIL/DESIGN		
CIVIL:GEOTECH								

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 22M CURVED SPAN SUPERSTRUCTURE (R≥328M & R<438M) (SHEET 1 OF 2)

DRAWING NO. : O22077-BSRP-CR2-C-VD-GEN-30-1034 | REVISION : 0 | DWG STATUS : C

SCALE : AS SHOWN | DATE : 21.05.2024

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

06/05/2024 15:36:45
D:\Work\RDEC\05-09-2024 RWDE_U Girder GA\DWDE_U Girder_GA\22cm CURVE_GA (New template)\022077-BSRP-CR2-C-VD-GEN-30-1034_0.dwg