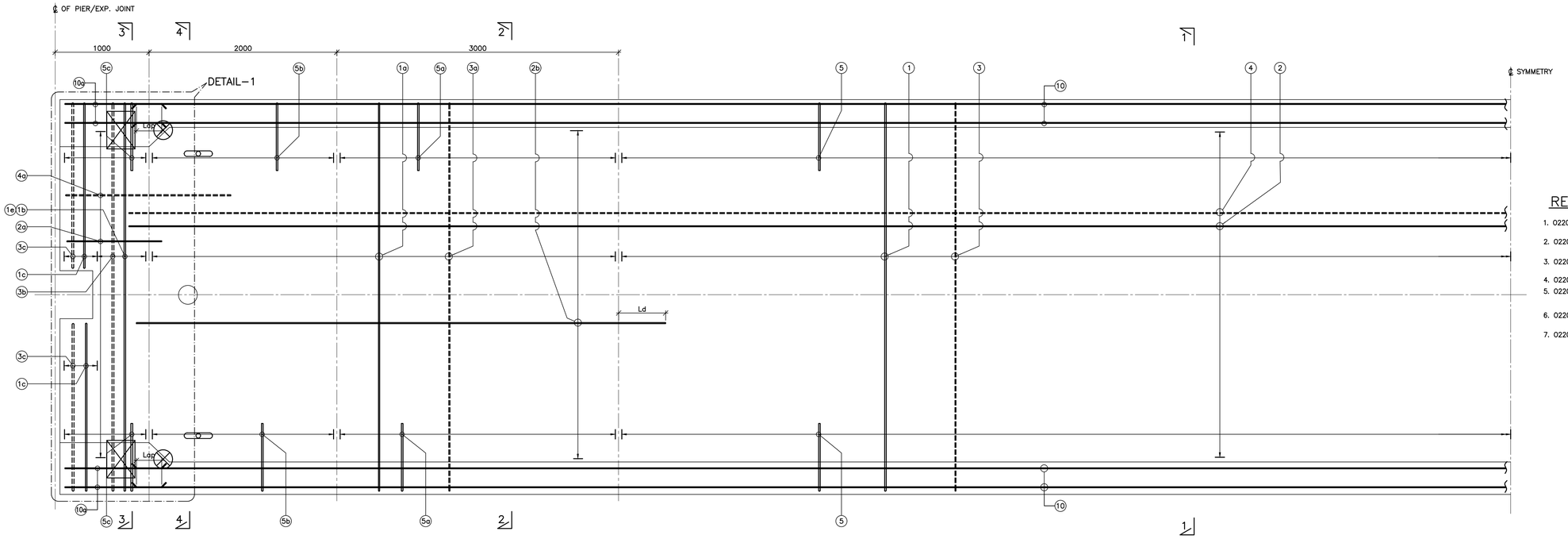
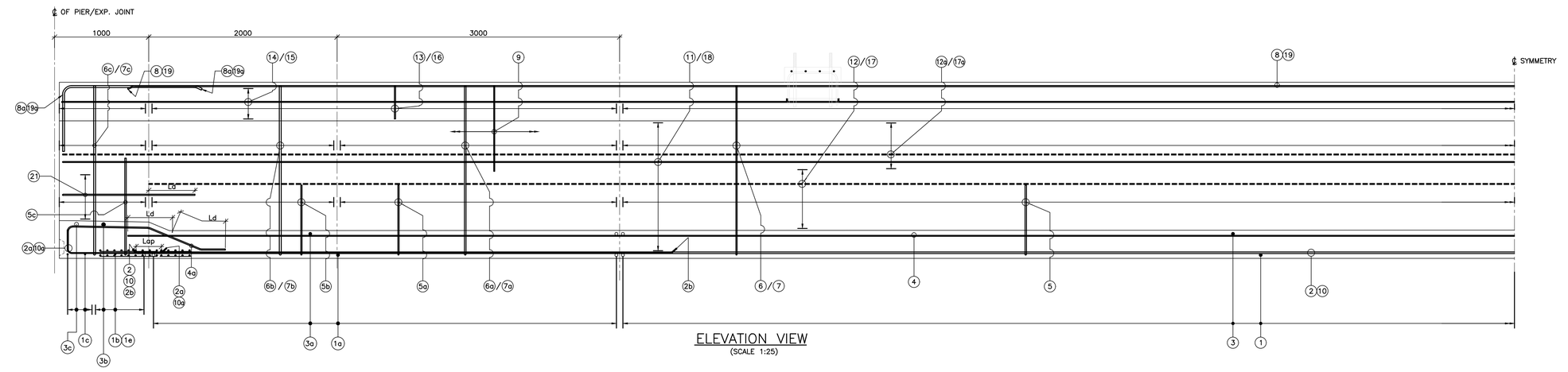


PLAN – REINFORCEMENT
(SCALE 1:25)



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–30–1001 – GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF STANDARD 31M SPAN SUPERSTRUCTURE
2. 022077–BSRP–CR2–C–VD–GEN–30–1002 – GENERAL ARRANGEMENT AND DIMENSIONAL DETAIL OF STANDARD 31M SPAN SUPERSTRUCTURE
3. 022077–BSRP–CR2–C–VD–GEN–30–1005 – REINFORCEMENT DETAILS OF STANDARD 31M SPAN SUPERSTRUCTURE
4. 022077–BSRP–CR2–C–VD–GEN–30–5001 – PRE TENSIONED STRAND DETAILS FOR U–GIRDER
5. 022077–BSRP–CR2–C–VD–GEN–30–5006 – TYPICAL DETAIL OF ANCHOR & REINFORCEMENT OF PEDESTAL & WEB OF U–GIRDER AT OHE MAST LOCATION
6. 022077–BSRP–CR2–C–VD–GEN–30–5021 – PLACING OF U–GIRDER AND I–GIRDER FOR CR1,CR2&CR4
7. 022077–BSRP–CR2–C–VD–GEN–30–5008 – TYPICAL REINFORCEMENT DETAILS AT LIFTING HOLE LOCATION FOR U–GIRDER

GOOD FOR CONSTRUCTION

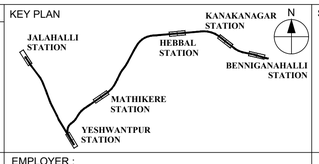
NOTES :
1. ALL DIMENSIONS ARE IN MILLIMETRES. UNLESS OTHERWISE MENTIONED.
2. DIMENSIONS ARE NOT TO BE SCALED, FOLLOW ONLY WRITTEN DIMENSIONS.

LEGEND :

REFERENCE DRAWINGS :

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

KEY PLAN



STATION BOX KEY PLAN

EMPLOYER :

DESIGNATION	NAME	SIGN

REVISIONS

REV	DATE	BRIEF DESCRIPTION
0	15.07.2024	FOR CONSTRUCTION
F	16.04.2024	REVISED BY ADDING PATENT NOTE AND DUE TO CONGESTION OF REINFORCEMENT IN SITE
E	05.01.2024	REVISED CONSIDERING FULL CDA VALUE AS PER GC's COMMENTS TROUGH LATTER NO. 1209 ALSO REVISED DUE TO PC's COMMENTS
D	06.10.2023	REVISED DRAWING AS DRAWING CHANGED FROM ONE DIMENSIONAL TO TWO DIMENSIONAL AND AS PER GC's COMMENTS
C	03.07.2023	REVISED AS MARKED
B	12.12.2022	REVISED AS MARKED
A	18.10.2022	FOR APPROVAL

CONTRACTOR :
TRANSPORTATION INFRASTRUCTURE IC
EDRC-SPECIAL BRIDGES

DETAILED DESIGN CONSULTANT (DDC) :
STUP Consultants Pvt. Ltd.
JP & Devi Jambukeshwar Arcade
69, 4th Floor,
Millers Road, Bengaluru-560052.
Tel.: 080-40397979
Email : bangalore@assystem.com
www.assystem.com

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	09.05.2024	09.05.2024	09.05.2024	-	09.05.2024
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 STANDARD 31m SPAN SUPERSTRUCTURE (SHEET 1 OF 2)

DRAWING NO. : O22077-BSRP-CR2-C-VD-GEN-30-1004

REVISION	DWG STATUS
0	C

SCALE : AS SHOWN
DATE : 09.05.2024
PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M)
SHEET SIZE - A1

STUP CONSULTANTS PVT. LTD. * BANGALORE *

LARSEN & TOUBRO LTD. * BSRP CORRIDOR-2 * BANGALORE *