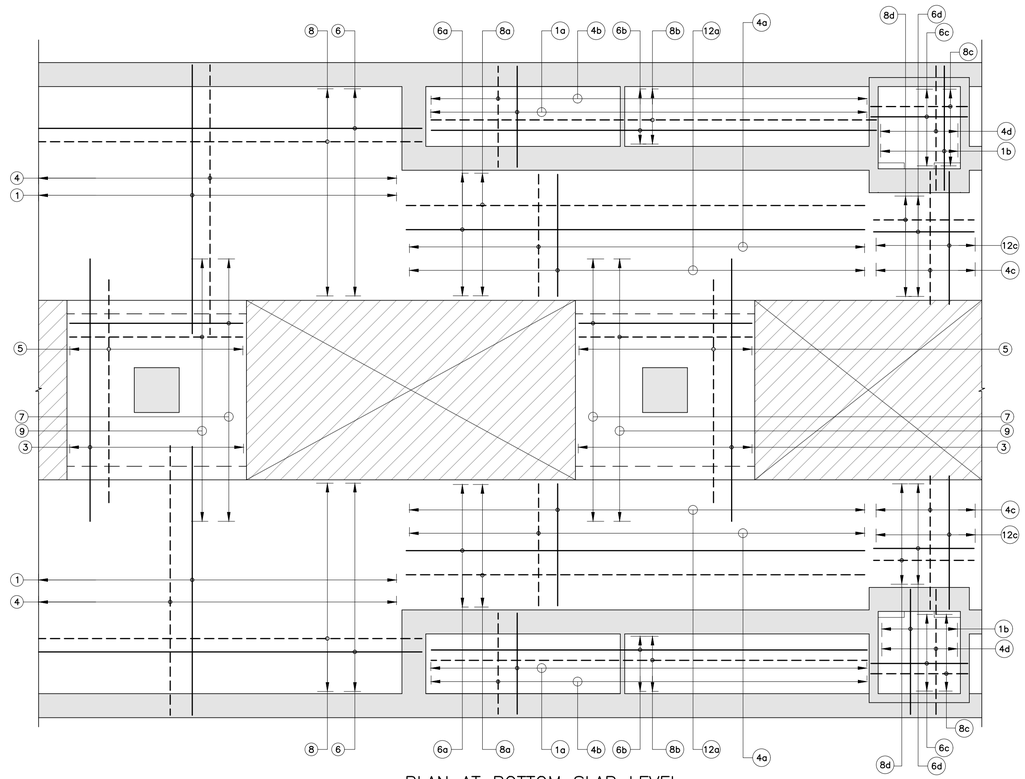
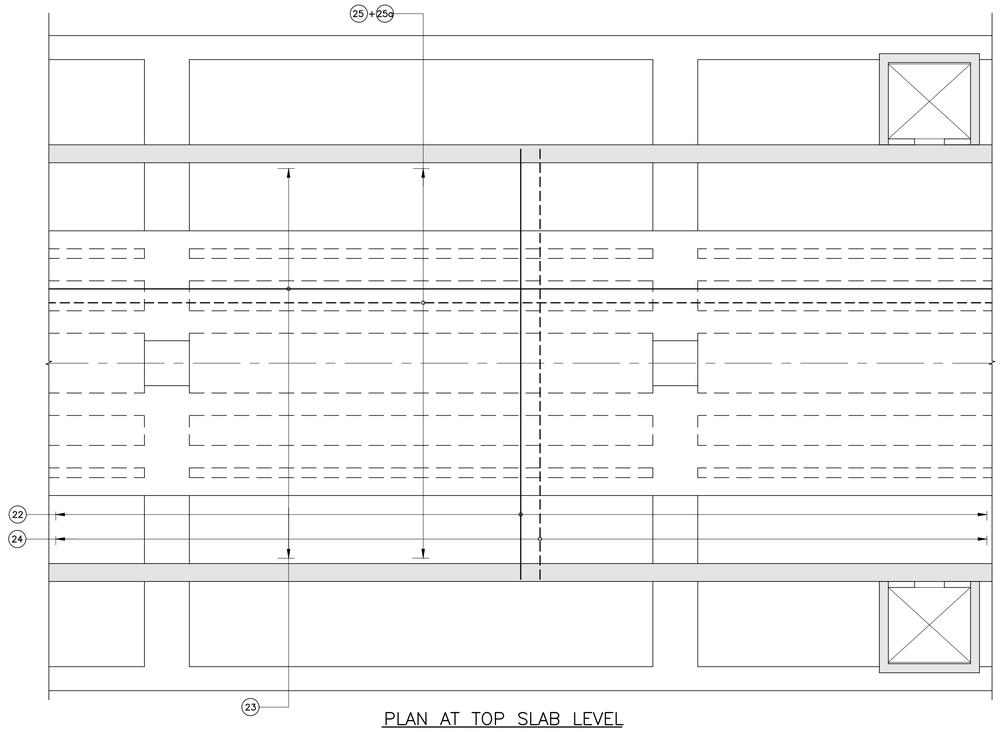


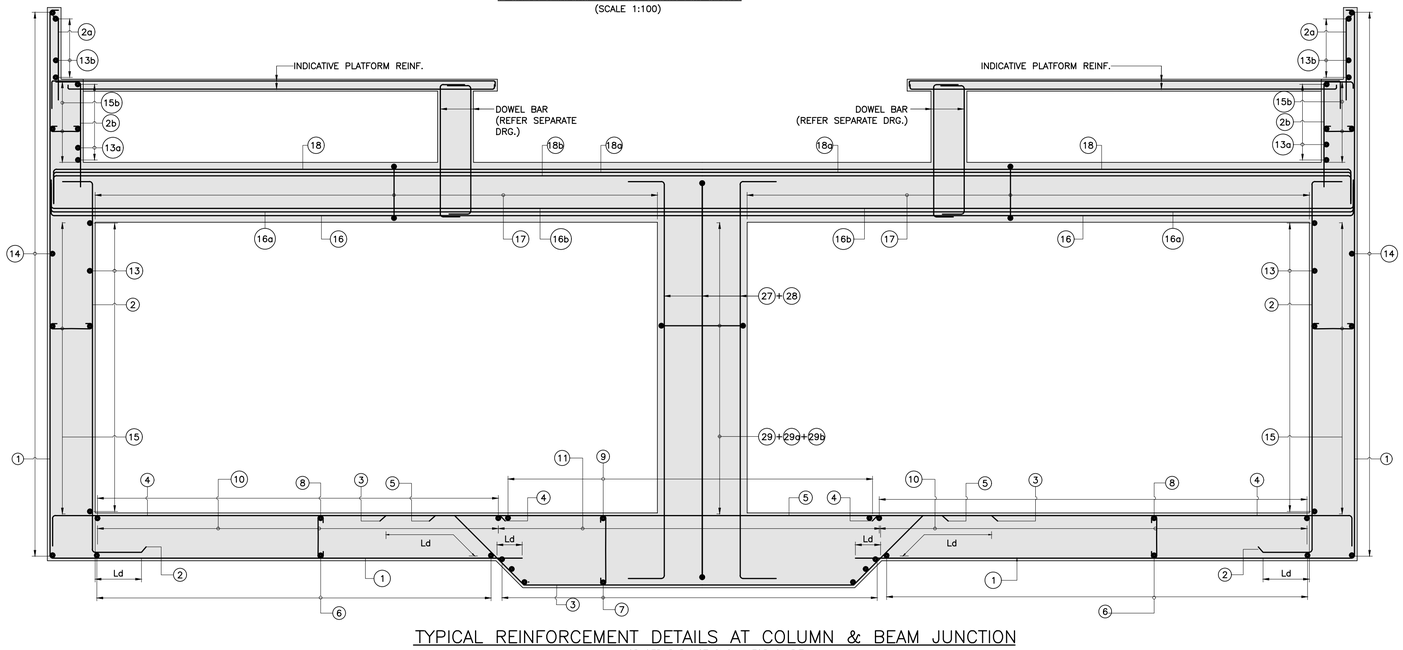
PLAN AT BOTTOM SLAB LEVEL

COLUMN, BEAM, PIT WALL, SIDE WALL
& SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



PLAN AT TOP SLAB LEVEL

COLUMN, BEAM, PIT WALL, SIDE WALL
& SHEAR REINFORCEMENT NOT SHOWN FOR CLARITY
(SCALE 1:100)



TYPICAL REINFORCEMENT DETAILS AT COLUMN & BEAM JUNCTION

SPACER BAR NOT SHOWN FOR CLARITY
SCALE 1:50

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
2. DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS AND RAIL ALIGNMENT DRAWINGS.
4. SEISMIC ZONE: II
5. IF ANY AMBIGUITY IS FOUND IN DRAWINGS OR AT SITE, THE SAME SHALL BE BROUGHT TO DESIGNER'S/ENGINEER'S NOTICE BEFORE EXECUTION.
6. REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE Fe 500 CONFORMING TO IS:1786–2008.
7. GRADE OF CONCRETE SHALL BE AS FOLLOWS:
   - LEVELING COURSE : PCC M20
   - COLUMN : RCC M50
   - BEAM : RCC M50
   - SLAB & SIDE WALL : RCC M50
8. CLEAR COVER TO ALL REINFORCEMENT SHALL BE:
   - COLUMN & BEAM : 50 mm
   - SLAB & SIDE WALL : 50 mm
9. THE NOMINAL MAXIMUM SIZE OF AGGREGATE TO BE USED SHALL BE 20mm.
10. DEVELOPMENT LENGTH SHALL BE AS GIVEN BELOW :

GRADE OF CONCRETE	M50
DEVELOPMENT LENGTH	41ø
LAP LENGTH	58ø

WHERE ø IS THE DIA. OF BAR.

11. ANCHORAGE LENGTH, LAP LENGTH, BAR SPACING'S AND OTHER REINFORCEMENT REQUIREMENT SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS–CBC CLAUSE 15.9.6.6.
12. NOT MORE THAN 50% OF THE BAR SHALL BE LAPPED AT ANY LOCATION.
13. REFER SEPARATE DRAWING FOR DRAIN PIPE DETAILS.
14. REFER SEPARATE DRAWING FOR EARTHING BAR DETAILS.
15. THIS DRAWING IS NOT APPLICABLE FOR SECTION –2. PLEASE REFER SEPARATE DRAWING.

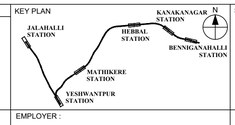
LEGEND:
- TOP REINFORCEMENT
- BOTTOM REINFORCEMENT

NOTES :

LEGEND :

REFERENCE DRAWINGS :
1. 02077-BSRP-CR2-C-UB-0-10-1301 (SH-1, 2 OF 2) : GENERAL ARRANGEMENT DRAWING OF NAGAWARA STATION
2. 02077-BSRP-CR2-C-UB-0-10-1302 (SH-1 TO 3) : DIMENSION DETAIL OF NAGAWARA STATION (AT GRADE)
3. 02077-BSRP-CR2-C-UB-0-10-1303 (SH-1 TO 3) : REINFORCEMENT DETAIL OF NAGAWARA STATION BOX (AT GRADE)

REFERENCE DOCUMENTS :
1. DOC-BSRP-CR2-AG-DGN-BR-10-1587 : DESIGN OF STATION BOX AT CH:7+133 OF NAGAWARA STATION

KEY PLAN


STATION BOX KEY PLAN

REVISIONS		
B	06.12.2024	REVISED AS PER GC & PC COMMENTS
A	19.06.2024	FOR APPROVAL
REV	DATE	BRIEF DESCRIPTION

CONTRACTOR :
TRANSPORTATION INFRASTRUCTURE IC
EDRC-SPECIAL BRIDGES

DETAILED DESIGN CONSULTANT (DDC) :
STUP Consultants Pvt. Ltd.
JP & Devi Jambulekhwar Arcade
4th Floor,
Millers Road, Bengaluru-560052
Tel.: 080-2299 9940
www.stupconsultants.com
www.easyalarm.com

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

L&T CONSTRUCTION
EDRC-SPECIAL BRIDGES - TIIC

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	Mrina l Roy	Venka tesha s S	Partha Chakr aborty	MEHER PRASAD ANUMO LU	
DATE	06.12.2024	06.12.2024	06/12/2024		06.1.2024
NAME	MLR	SSV	PC		JSG
	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 DETAIL OF NAGAWARA STATION BOX

DRAWING NO. : O2077-BSRP-CR2-C-UB-0-10-1303 (SH-1 OF 3)

REVISION	DWG STATUS
B	D

SCALE : AS SHOWN | DATE : 06.12.2024 | SHEET SIZE - A1

PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M)

13-11-2024 17:29:25
D:\Bimal\1_NO\42_K-RIDE\BD_Nagawara Station\02077-BSRP-CR2-C-UB-0-10-1303_B_SH- 1 to 3.dwg