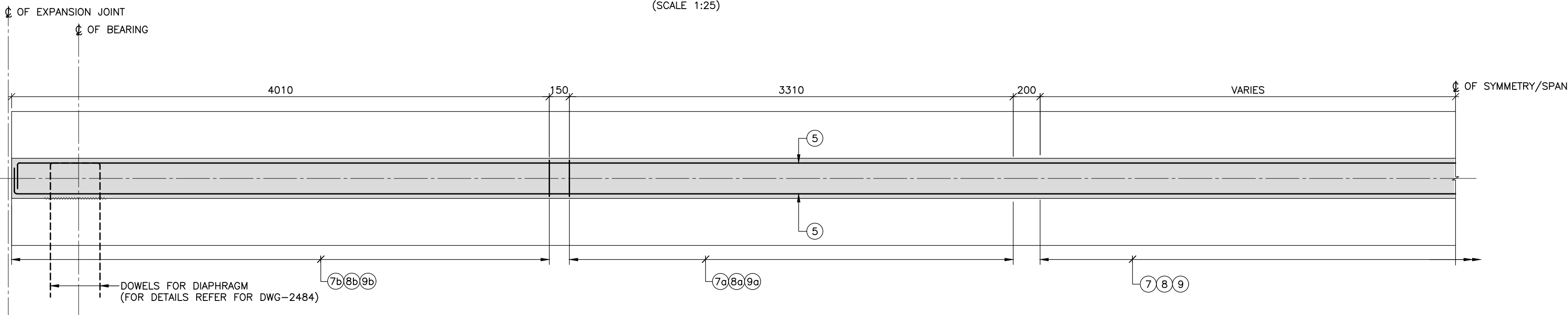
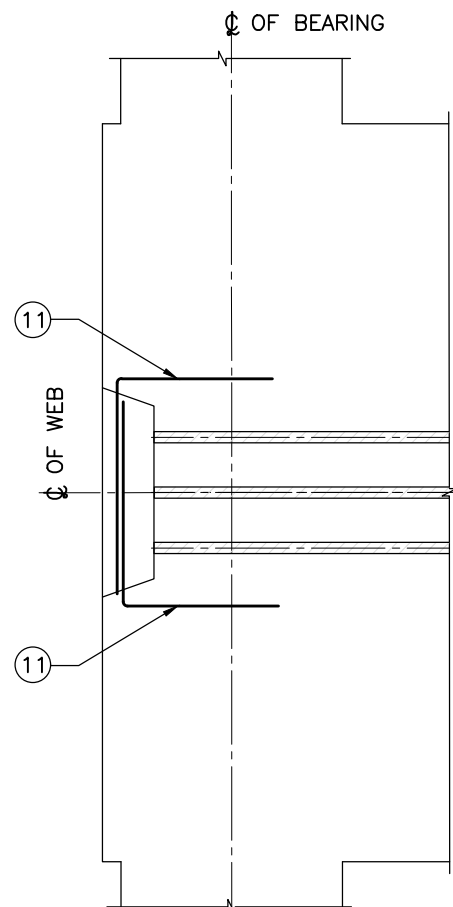


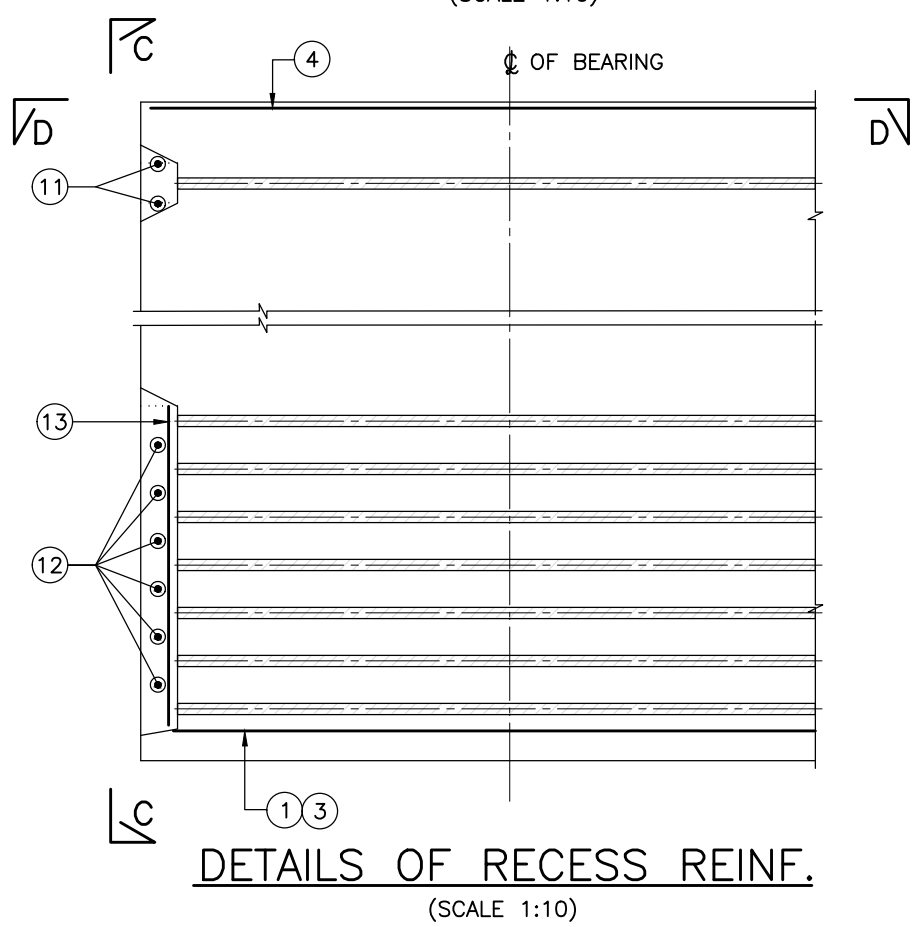
SECTIONAL ELEVATION
(SCALE 1:25)



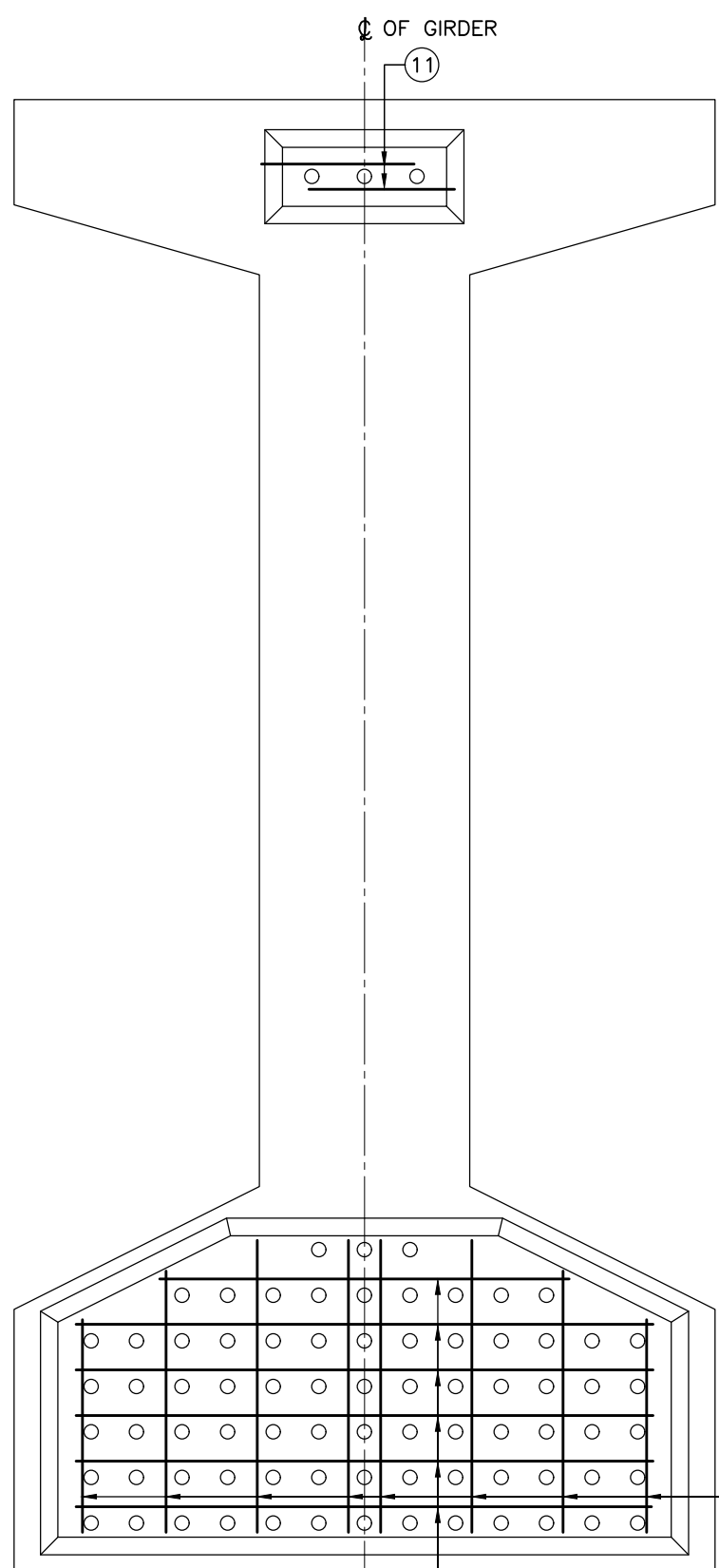
SECTIONAL PLAN A-A (G1 GIRDER)
(SCALE 1:25)



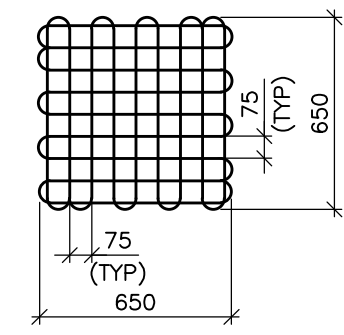
VIEW-D-D
(SCALE 1:10)



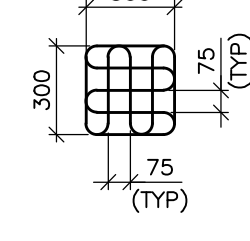
DETAILS OF RECESS REINF.
(SCALE 1:10)



VIEW-C-C
(SCALE 1:10)

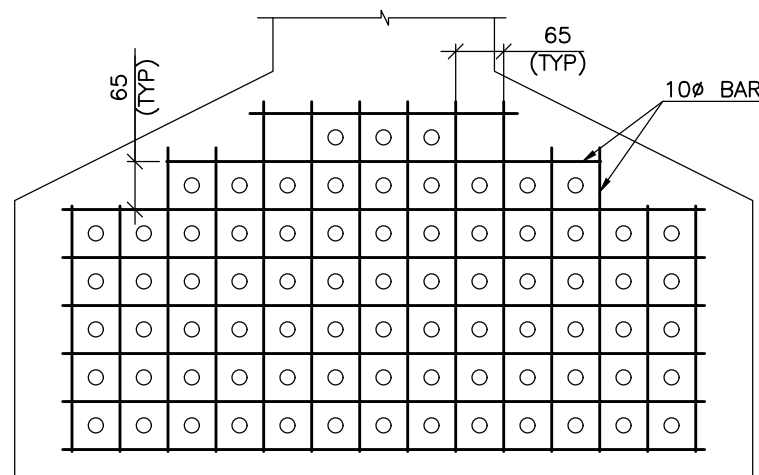


TYPE-A
(AT BEARING LOCATION)

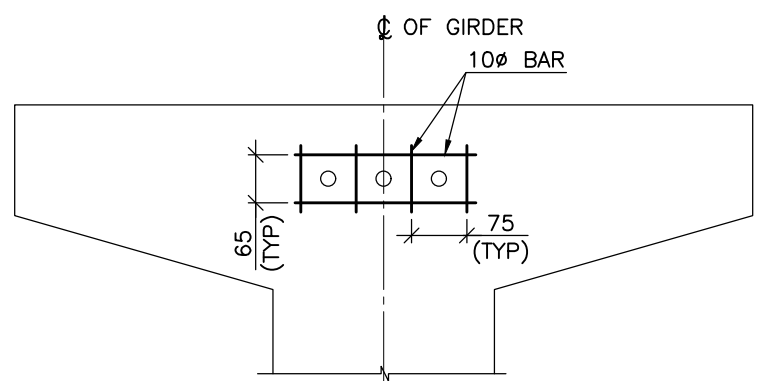


TYPE-B
(AT JACK LOCATION)

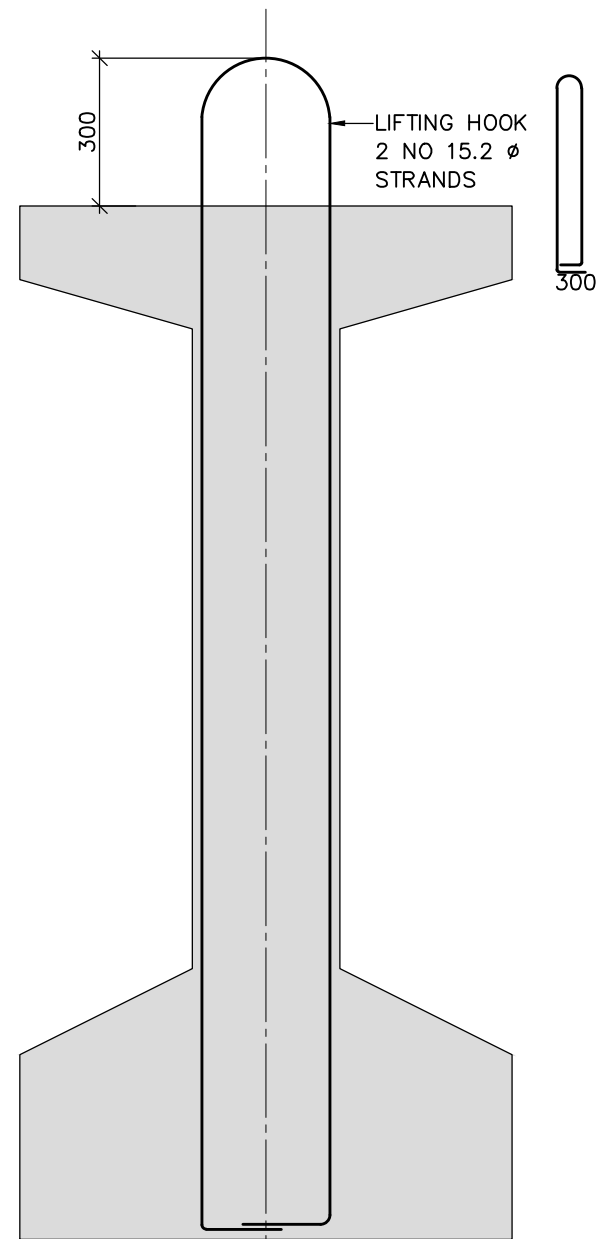
Ø8 MESH REINFORCEMENT
(MESH REINFORCEMENT ARE TO BE PROVIDED IN TWO LAYERS,
1ST LAYER 20mm FROM SURFACE & 2ND LAYER 100mm FROM SURFACE)
(SCALE 1:25)



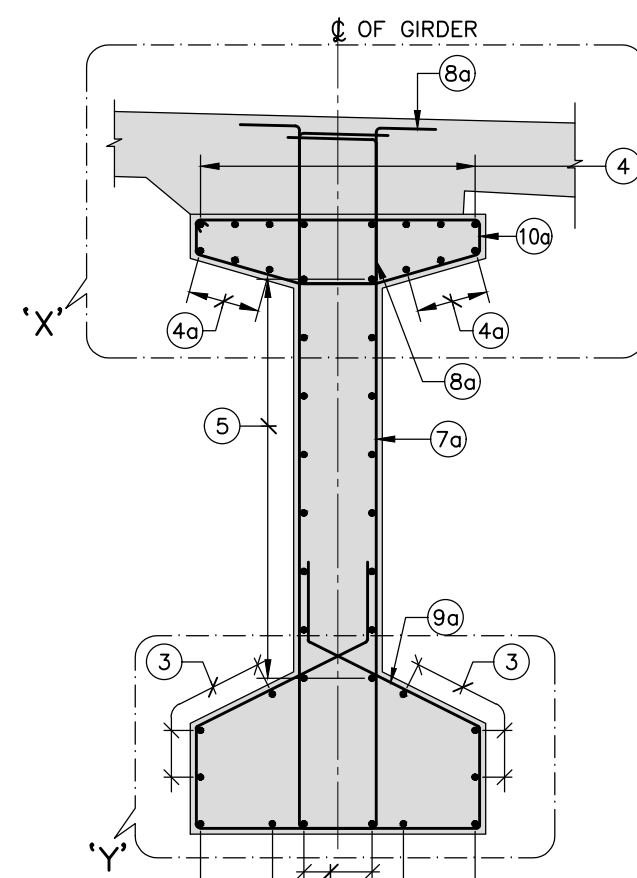
MESH DETAIL (M1)
(FOR LOCATION REFER DRAWING NO.2483)
(SCALE 1:10)



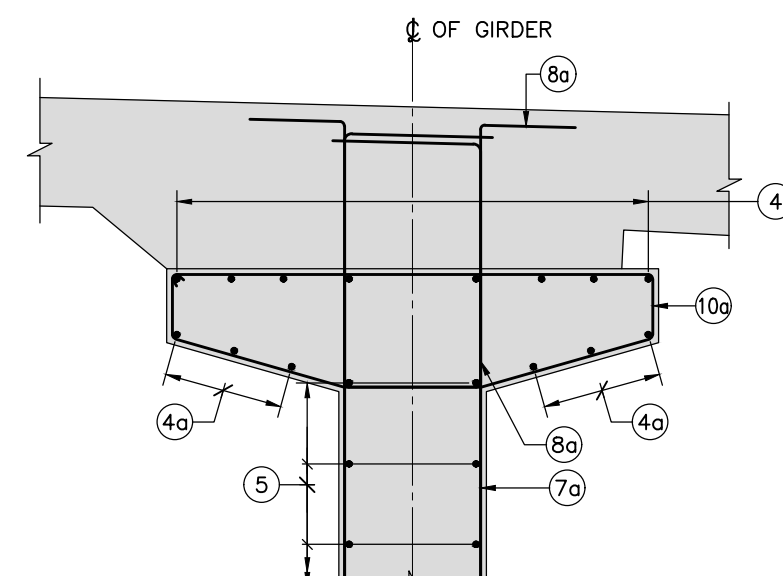
MESH DETAIL (M2)
(FOR LOCATION REFER DRAWING NO.2483)
(SCALE 1:10)



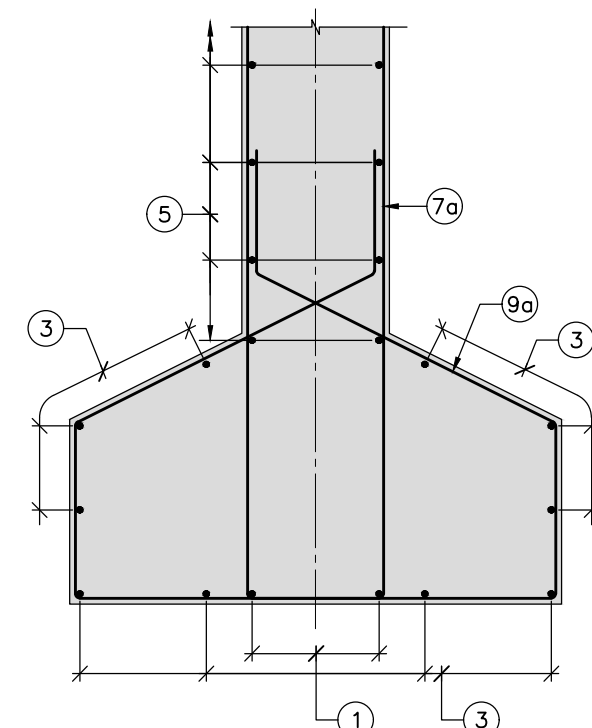
TYPICAL LIFTING HOOK DETAILS
(ONLY LIFTING HOOKS SHOWN FOR CLARITY)
(SCALE 1:15)



SECTION B-B
(SCALE 1:25)



DETAIL-X'
(SCALE 1:15)



DETAIL-Y'
(SCALE 1:15)

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 L_d 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. DOWEL BARS FOR DIAPHRAGM SHALL BE LEFT BEFORE CONCRETING.

SCHEDULE OF REINFORCEMENT

ITEM	BAR MARK	BAR DIA.	SHAPE	TOTAL NOS./ SPACINGS	REMARKS
1	Ø12			2 Nos.	
2					NOT USED
3	Ø12			10 Nos.	
4	Ø10			8 Nos.	
4a	Ø10			6 Nos.	
5	Ø10			2x8 Nos.	
6					NOT USED
7	Ø10			Ø 250 c/c	
7a	Ø12			Ø 190 c/c	
7b	Ø12			Ø 150 C/C	
8	Ø10			Ø 250 c/c	
8a	Ø10			Ø 190 c/c	
8b	Ø10			Ø 150 C/C	
9	Ø10			Ø 250 c/c	
9a	Ø10			Ø 190 c/c	
9b	Ø10			Ø 150 C/C	
10	Ø10			Ø 250 c/c	
10a	Ø10			Ø 190 c/c	
10b	Ø10			Ø 150 C/C	
11	Ø10			2x2 Nos.	
12	Ø10			2x6 Nos.	
13	Ø10			2x8 Nos.	

GOOD FOR CONSTRUCTION

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. FOLLOW FIGURED DIMENSIONS ONLY.
3. SUITABLE PROVISION TO BE MADE FOR ANCHORING THE MAST.
4. GROUTING SHOULD BE DONE SOON AFTER STRESSING OF THE STRANDS WITH NEAT CEMENT GROUT (WITH APPROVED ADMIXTURES IF REQUIRED) AS PER SPECIFICATION.
5. CONCRETE GRADES FOR ALL SUPERSTRUCTURE COMPONENTS - GIRDER-M60 DECK SLAB AND DIAPHRAGM-M40 PARAPET-M40

REV	DATE	BRIEF DESCRIPTION
0	23.12.24	REVISED AS PER GC'S LETTER NO. 3479
a	01.10.24	FOR APPROVAL

CONTRACTOR:	DETAILED DESIGN CONSULTANT (DDC):	PROOF CONSULTANT (PC):
TRANSPORTATION INFRASTRUCTURE IC EDRC-SPECIAL BRIDGES	STUP Consultants Pvt. Ltd. 2/4, 1st floor, Anna Nagar, Chennai 600 036 India	Indian Institute of Technology Madras IIT P.O., Chennai 600 036 INDIA
	L&T CONSTRUCTION EDRC-SPECIAL BRIDGES - TIC	

LEGEND:
⊗ BEARING
⊕ JACKING POSITION
↑ JACKING POSITION
G GIRDER
EF EACH FACE

REFERENCE DRAWINGS:
022077-BSRP-CR2-C-V0-GEN-30-2481...GENERAL ARRANGEMENT DETAILS OF 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186-DP187 - SINGLE TRACK
022077-BSRP-CR2-C-V0-GEN-30-2483...PRE TENSIONED STRAND DETAILS FOR 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186-DP187 - SINGLE TRACK
022077-BSRP-CR2-C-V0-GEN-30-2484...REINFORCEMENT DETAILS OF 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186-DP187 - SINGLE TRACK (DECK SLAB AND DIAPHRAGM)

QUALITY ASSURANCE	GENERAL CONSULTANTS
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.	CHECKED & APPROVED NAME SIGN PROJECT DIRECTOR
DDC PC Contractor	COUNTY SIGN NAME SIGN DATE
SIGN DATE 23.12.24 23.12.24 23.12.24 23.12.24	CIVIL GAD CIVIL ALIGNMENT CIVIL STRUCTURAL CIVIL GEOTECH
NAME HSS BYM PC JSG PREPARED BY CHECKED BY APPROVED BY APPROVED BY ISSUED BY	

REFERENCE DOCUMENTS:
1. DOC-BSRP-CR2-EV-DGN-GEN-30-1373

KEY PLAN	STATION BOX KEY PLAN
JALAHALLI STATION HERBAL STATION KANAKANAGAR STATION MATHURKI STATION YESHWANTPUR STATION	

EMPLOYER:
RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED
GENERAL CONSULTANTS:
AECOM egis WSP AECOM-EGIS-WSP

PROJECT:	DRAWING TITLE:	DRAWING NO.:	REVISION	DWG STATUS
BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2	REINFORCEMENT DETAILS OF 21.3M CURVED SPAN (R=200M) SUPERSTRUCTURE AT VIADUCT FOR CR2 FOR DP186 - DP187 - SINGLE TRACK	022077-BSRP-CR2-C-V0-GEN-30-2482	0	C
SCALE: AS SHOWN		DATE: 27.09.2024		
PRELIMINARY DWG (P), DEFINITIVE DWG (D), CONSTRUCTION DWG (C), AS BUILT DWG (B), SHOP DWG (S), MANUFACTURED DWG (M)		SHEET SIZE - A1		