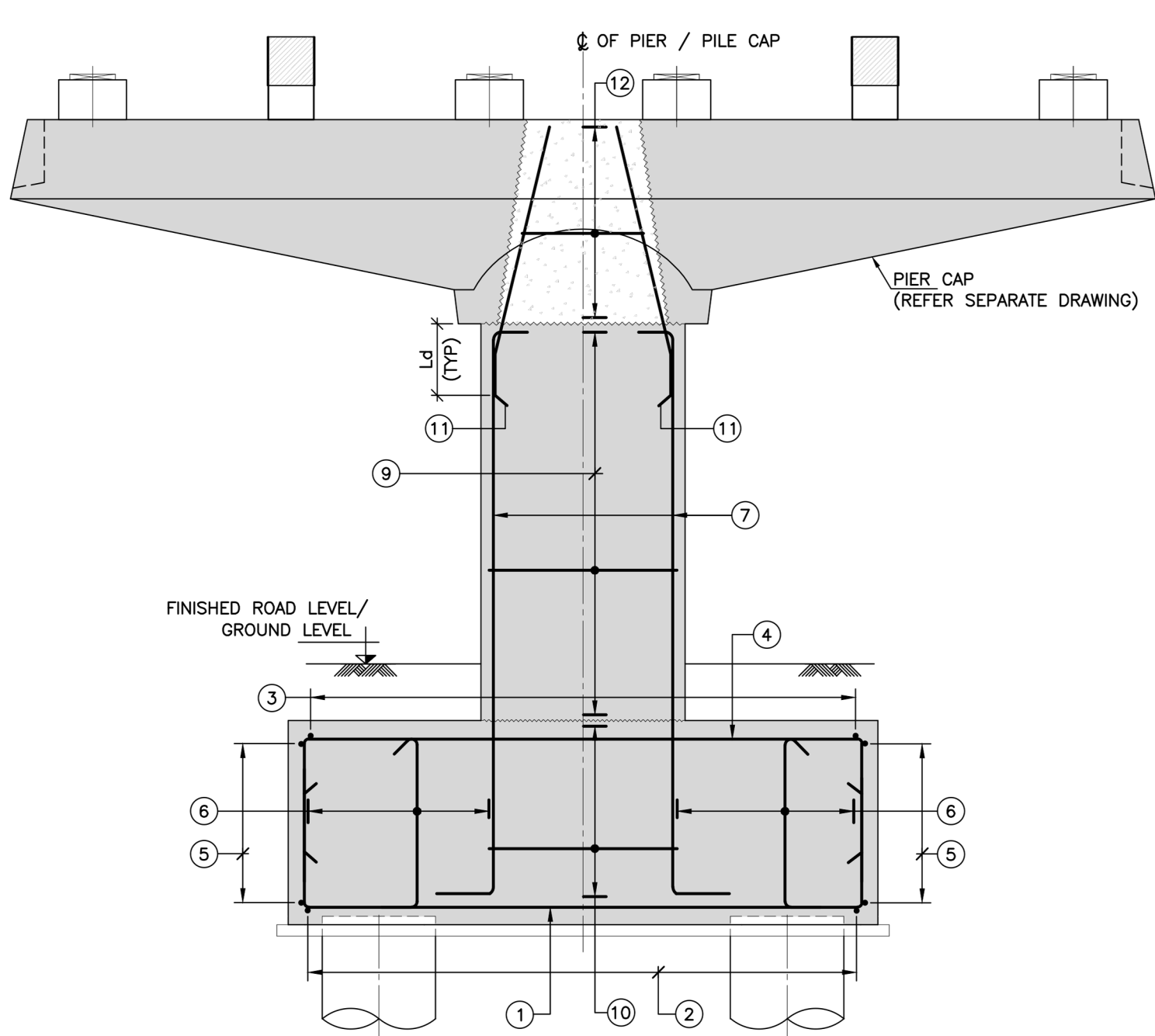
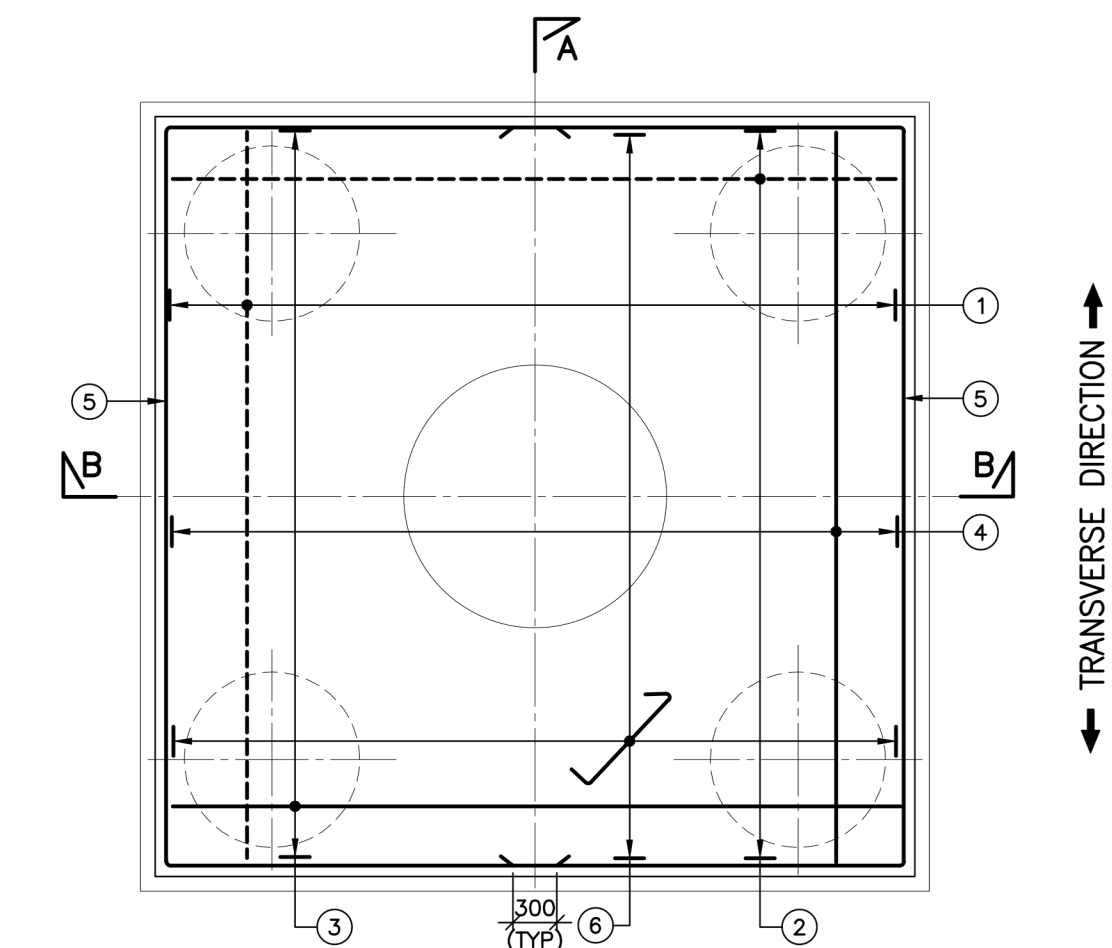


SECTION B-B
(SCALE 1:50)

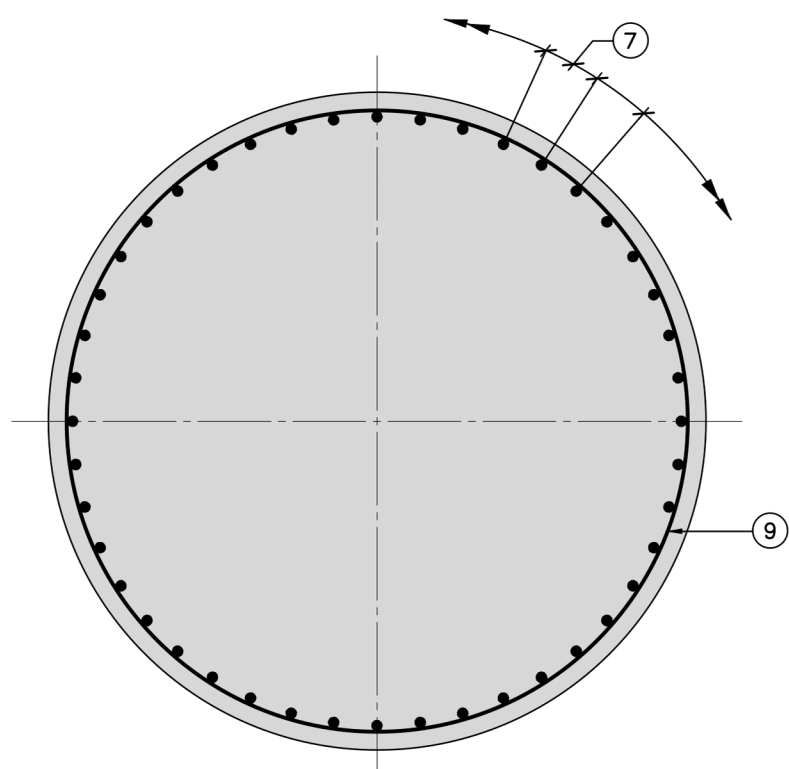


SECTION A-A
(SCALE 1:50)



PLAN OF FOOTING
(SCALE 1:50)

(BAR NO. 6 SHALL NOT BE PROVIDED
ABOVE THE PILE & BELOW THE PIER)
(LAPPING OF REINFORCEMENT IS NOT PERMITTED IN PILE CAP)



SECTION C-C
(SCALE 1:20)

SCHEDULE OF REINFORCEMENT:

STRUCTURAL COMPONENT	BAR MARK	BAR DIA.	SHAPE	TOTAL NOS./ SPACINGS	REMARKS
PILE CAP	1	25	1050	130 c/c	BOTTOM BAR
	2	25	1050	130 c/c	BOTTOM BAR
	3	20	1050	130 c/c	TOP BAR
	4	20	1050	130 c/c	TOP BAR
	5	12		140 c/c	SIDE FACE BAR
	6	12		260 c/c	LONGITUDINAL DIRECTION
PIER	7	25	500	44 NOS.	
	8			NOT USED	
	9	12		100 C/C	STIRRUP
	10	16		300 C/C	STIRRUP
	11	25	/	44 NOS.	
	12	10		3 NOS.	EQUALLY SPACED

NOTES:

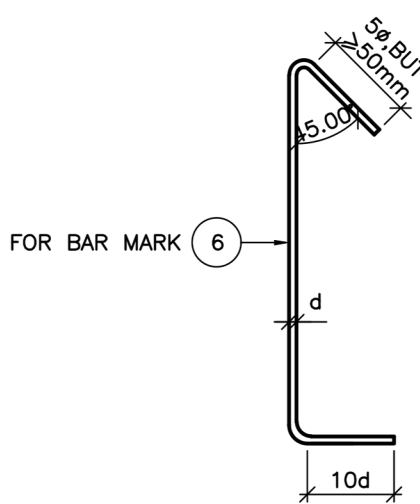
- ALL DIMENSIONS ARE IN MILLIMETRES AND LEVELS ARE IN METER, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE NOT TO BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH GENERAL ARRANGEMENT DRAWINGS AND RAIL ALIGNMENT DRAWINGS.
- SEISMIC ZONE: II
- IF ANY AMBIGUITY IS FOUND IN DRAWINGS OR AT SITE, THE SAME SHALL BE BROUGHT TO DESIGNER'S/ENGINEER'S NOTICE BEFORE EXECUTION.
- REINFORCEMENT STEEL SHALL BE HYSD BARS OF GRADE Fe 500 CONFORMING TO IS:1786-2008.
- GRADE OF CONCRETE SHALL BE AS FOLLOWS:
LEVELING COURSE : PCC M20
PILE CAP : RCC M35
PIER : RCC M50
- CLEAR COVER TO ALL REINFORCEMENT SHALL BE:
PILE CAP : 75mm
PIER : 50mm
- THE NOMINAL MAXIMUM SIZE OF AGGREGATE TO BE USED SHALL BE 20mm.
- DEVELOPMENT LENGTH SHALL BE AS GIVEN BELOW :

GRADE OF CONCRETE	M35	M50
DEVELOPMENT LENGTH	46 ϕ	41 ϕ

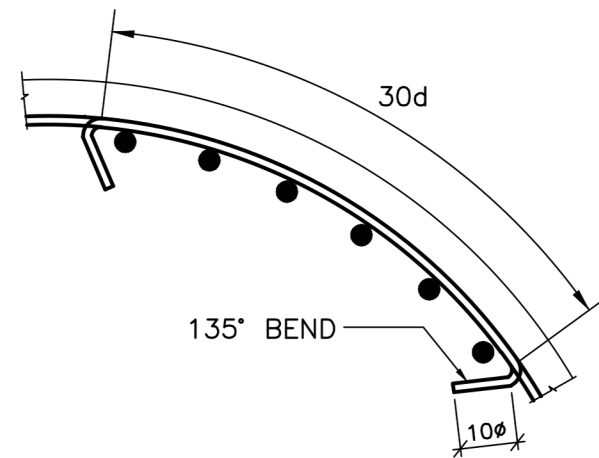
WHERE ϕ IS THE DIA. OF BAR.

LEGEND:

TOP REINFORCEMENT
BOTTOM REINFORCEMENT



TYPICAL DETAILS OF LINKS
(SCALE 1:10)



TYPICAL DETAIL OF
ANCHORAGE OF TIES
(ϕ = DIAMETER OF TIES)
(SCALE 1:10)

GOOD FOR CONSTRUCTION

NOTES:		LEGEND:		REFERENCE DRAWINGS:		REFERENCE DOCUMENTS:		KEY PLAN		STATION BOX KEY PLAN		EMPLOYER			
				1. GAD REFERENCE DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-2001 TO 2006.4 2. GENERAL NOTES DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-20-5000 3. PIER CAP REFERENCE DRAWING No.: 022077-BSRP-CR2-EV-DGN-10-1151 TO 1153 4. DIMENSIONAL & REINFORCEMENT DETAIL OF PIER PROTECTION DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-1652 5. TYPICAL DETAIL OF EARTHING BAR DRAWING No.: 022077-BSRP-CR2-C-V0-GEN-10-5011 TO 5014		1. GR REFERENCE DOCUMENT NUMBER : BOC-BSRP-CR2-EV-DGN-GB-20-1161						RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED			
REVISIONS		CONTRACTOR		QUALITY ASSURANCE		GENERAL CONSULTANTS		EMPLOYER		PROJECT		DRAWING TITLE			
		TRANSPORTATION INFRASTRUCTURE IC EDRC-SPECIAL BRIDGES		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		RAIL INFRASTRUCTURE DEVELOPMENT COMPANY (KARNATAKA) LIMITED		BENGALURU SUBURBAN RAILWAY PROJECT (BSRP) K-RIDE CORRIDOR - 2		TYPICAL REINFORCEMENT DETAILS OF PILE CAP & PIER			
		DETAILED DESIGN CONSULTANT (DDC):		PROOF CONSULTANT (PC):		NAME		NAME		DRAWING NO. : 022077-BSRP-CR2-C-V0-GEN-30-3002		REVISION			
		STUP Consultants Pvt. Ltd. P.O. Box 100, Bangalore-560002 Tel: 080-2666 9600 Email: info@stupconsultants.com		Indian Institute of Technology Madras IIT P.O., Chennai 600 036 INDIA		SIGN		SIGN		0		C			
		0 18/07/2024		18/07/2024		18/07/2024		18/07/2024		18/07/2024		18/07/2024		18/07/2024	
		GOOD FOR CONSTRUCTION		FOR APPROVAL		FOR APPROVAL		FOR APPROVAL		FOR APPROVAL		FOR APPROVAL		FOR APPROVAL	
		REV DATE		BRIEF DESCRIPTION		PREPARED BY		CHECKED BY		DESIGNED BY		DRAWN BY		SHEET SIZE - A1	