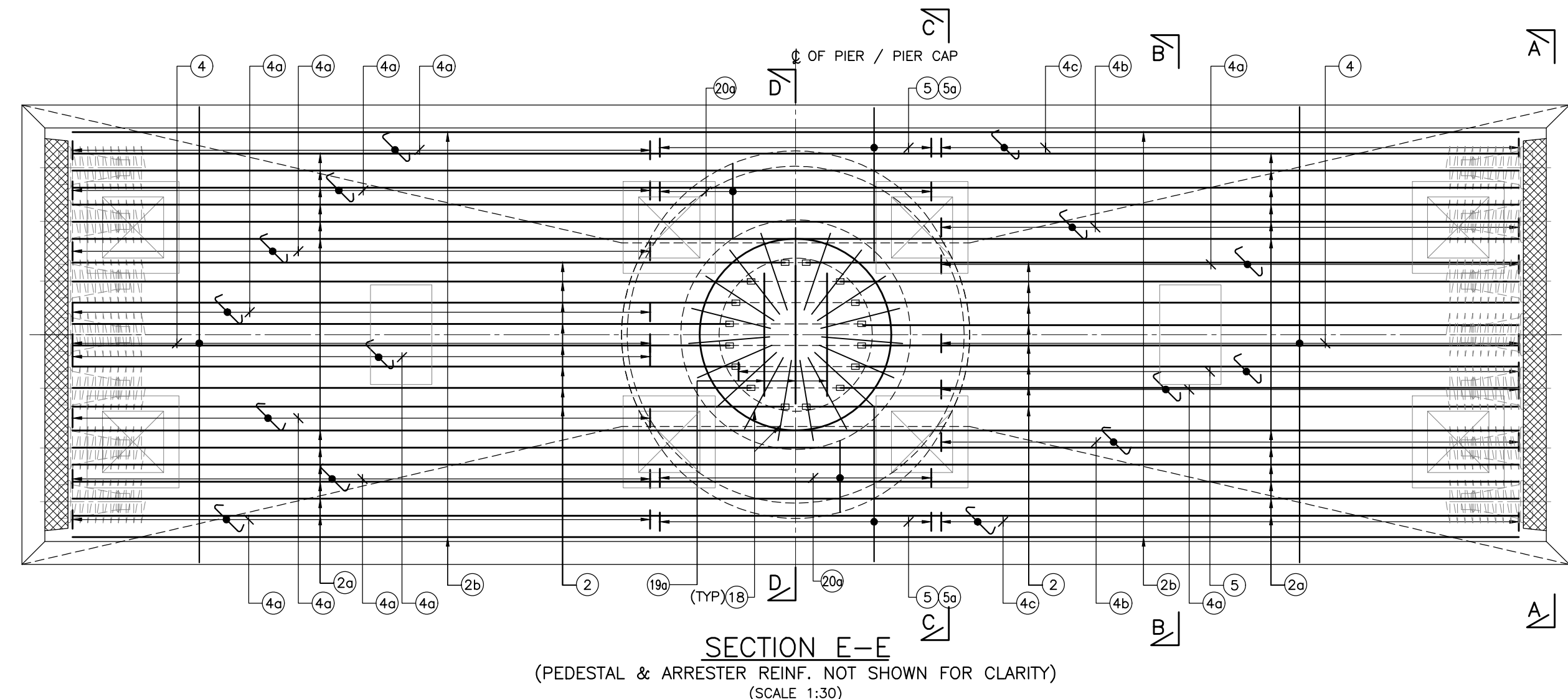
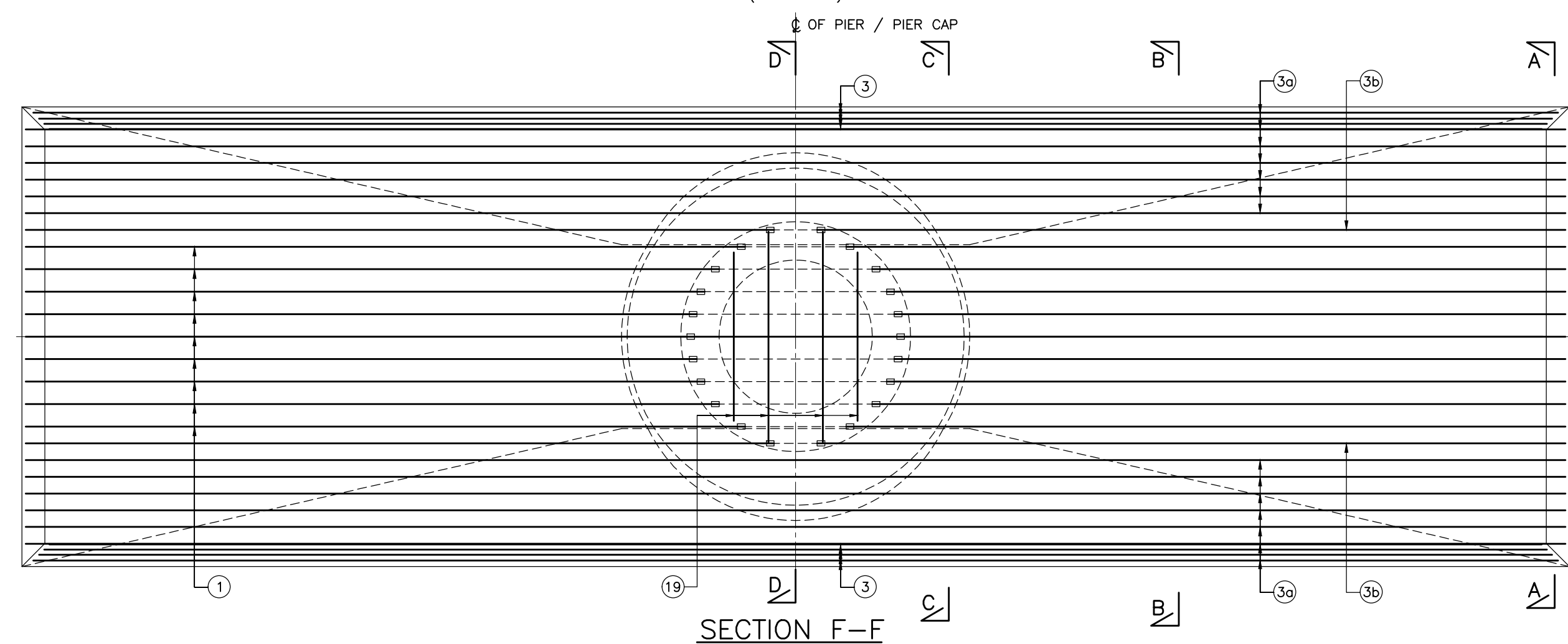


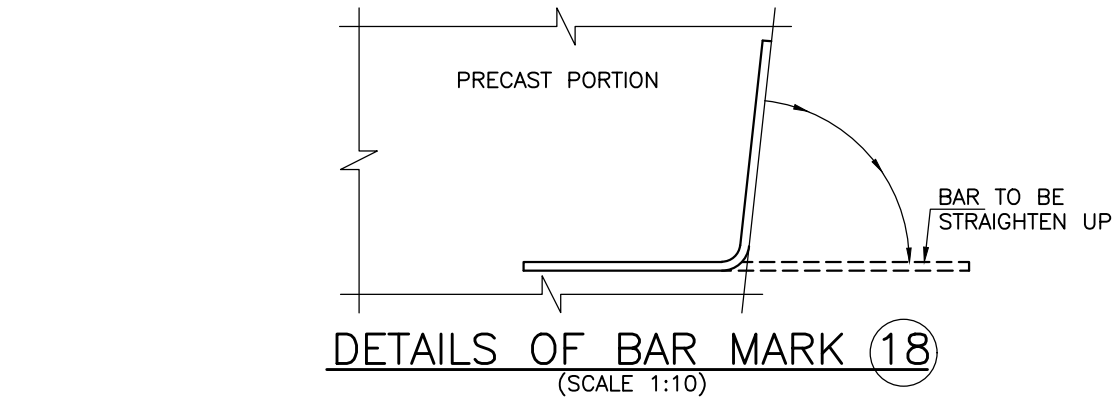
ELEVATION  
(PEDESTAL & ARRESTER REINF. NOT SHOWN FOR CLARITY)  
(SCALE 1:30)



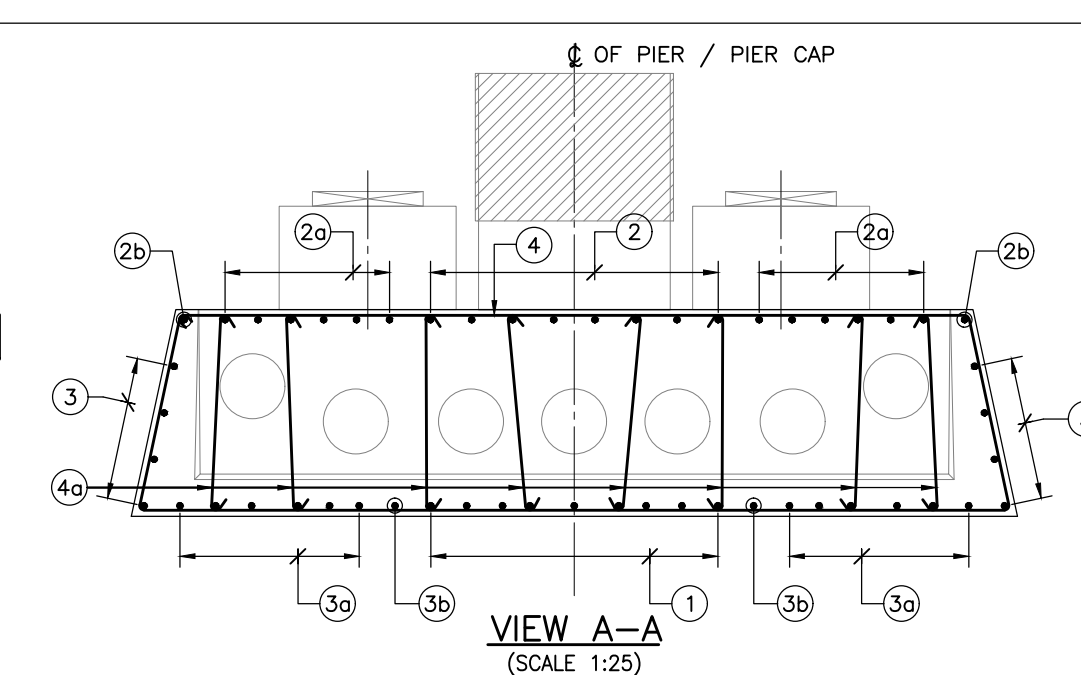
SECTION E-E  
(PEDESTAL & ARRESTER REINF. NOT SHOWN FOR CLARITY)  
(SCALE 1:30)



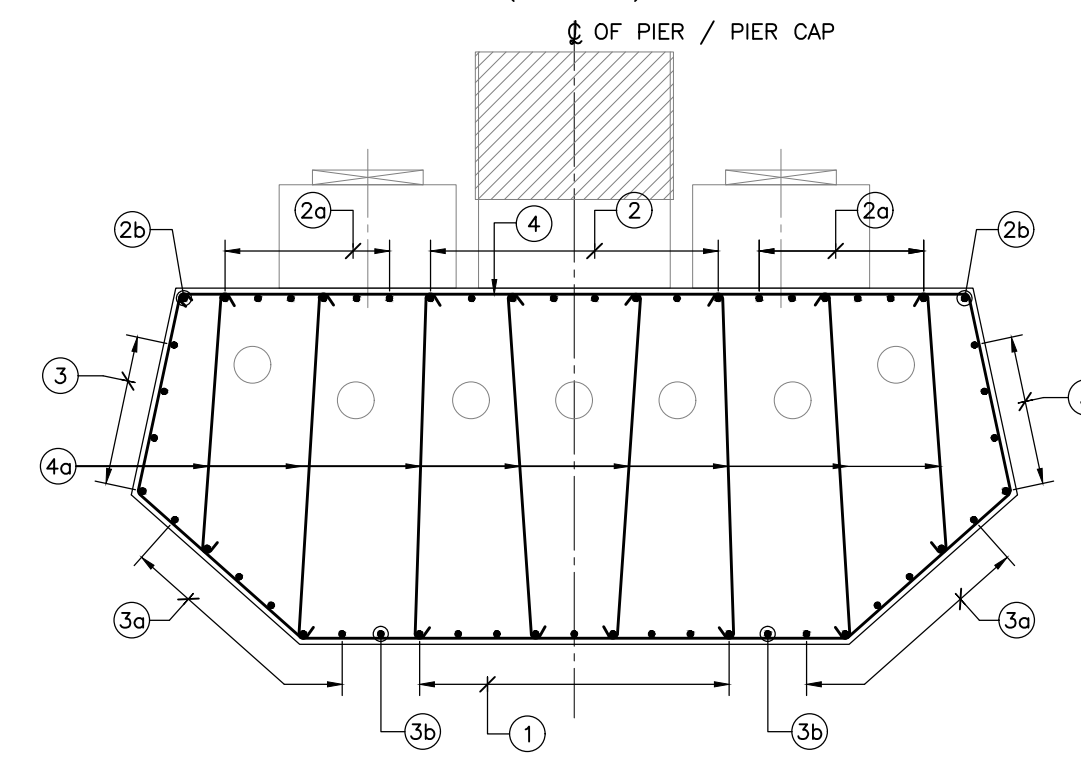
SECTION F-F  
(SCALE 1:30)



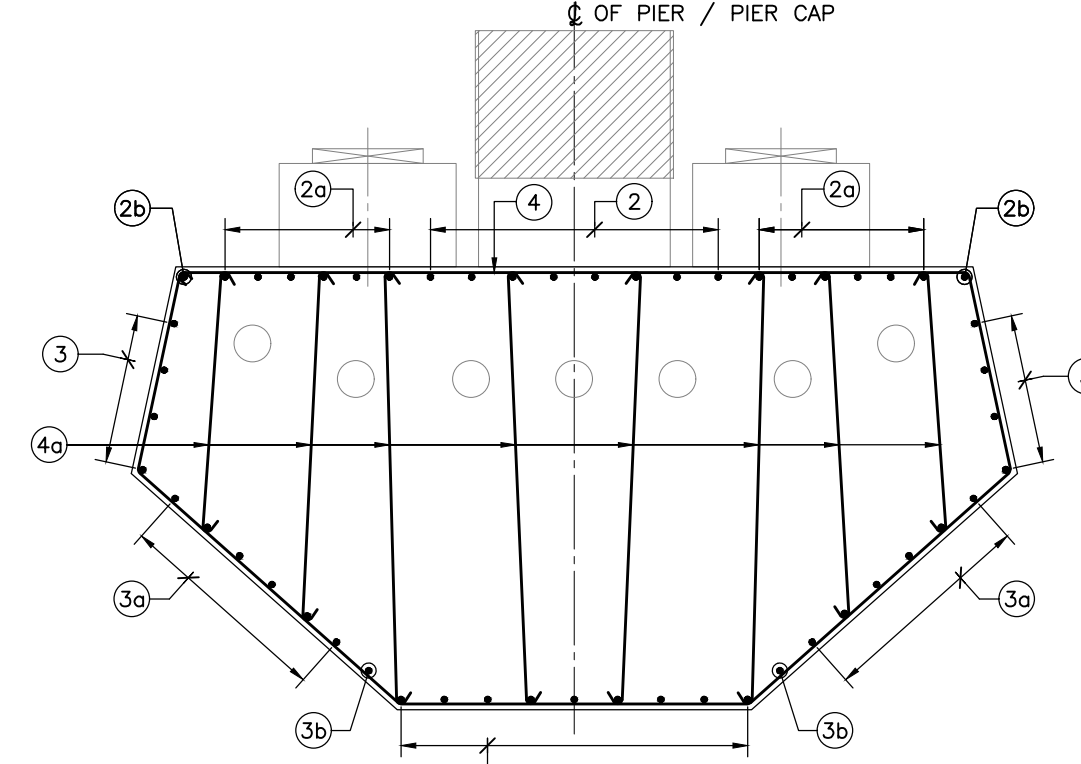
DETAILS OF BAR MARK 18  
(SCALE 1:10)



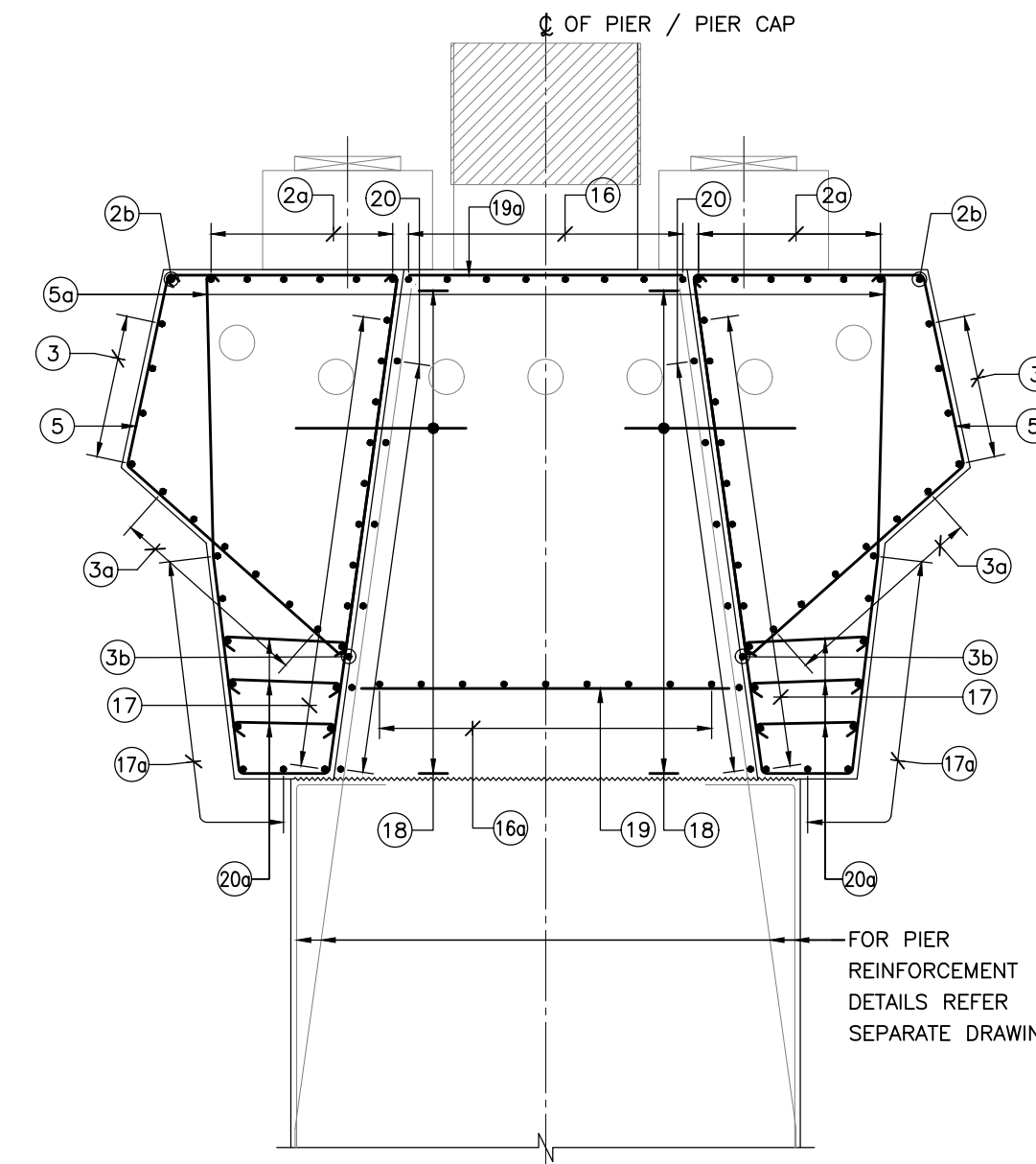
VIEW A-A  
(SCALE 1:25)



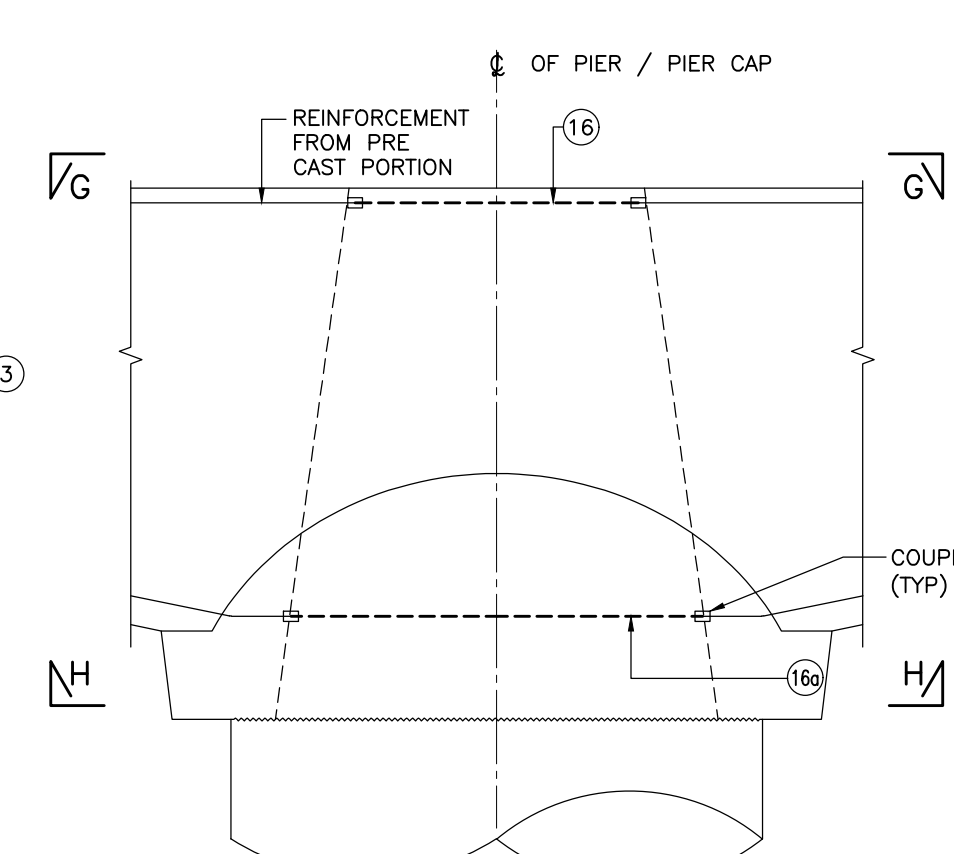
SECTION B-B  
(SCALE 1:25)



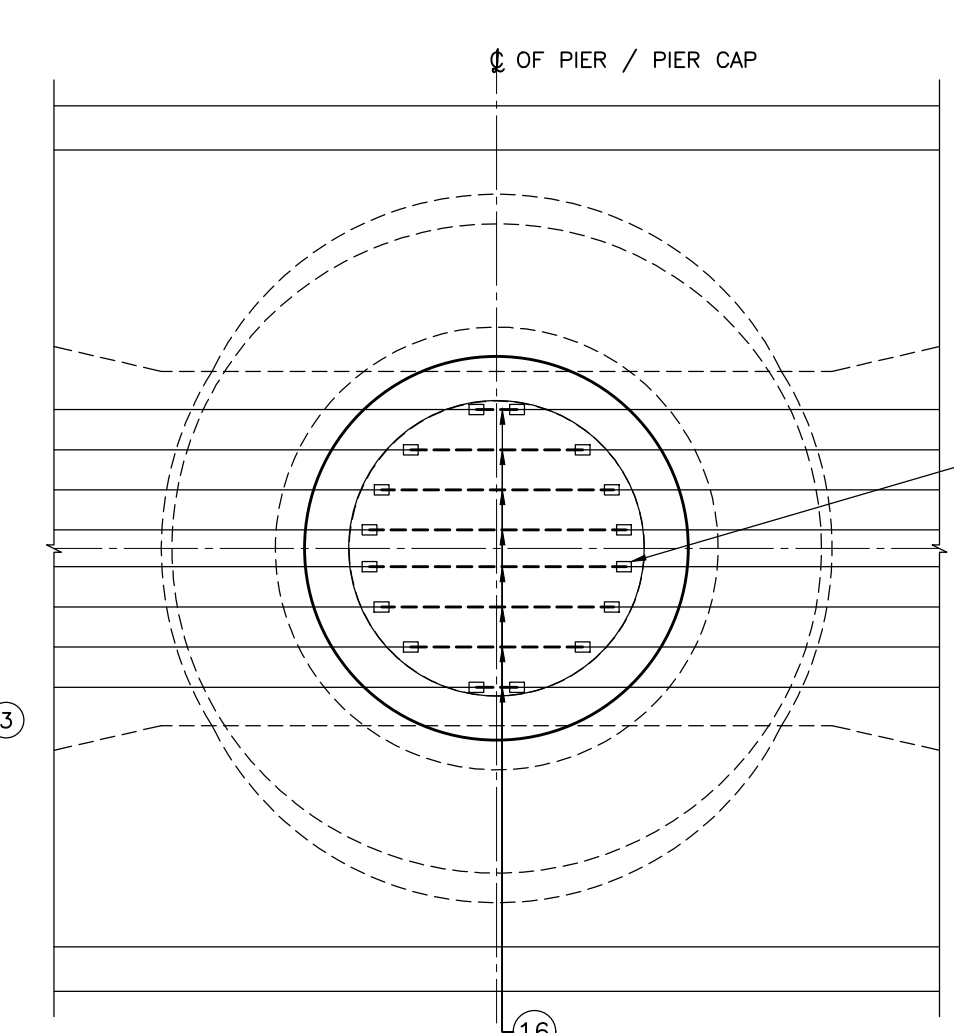
SECTION C-C  
(SCALE 1:25)



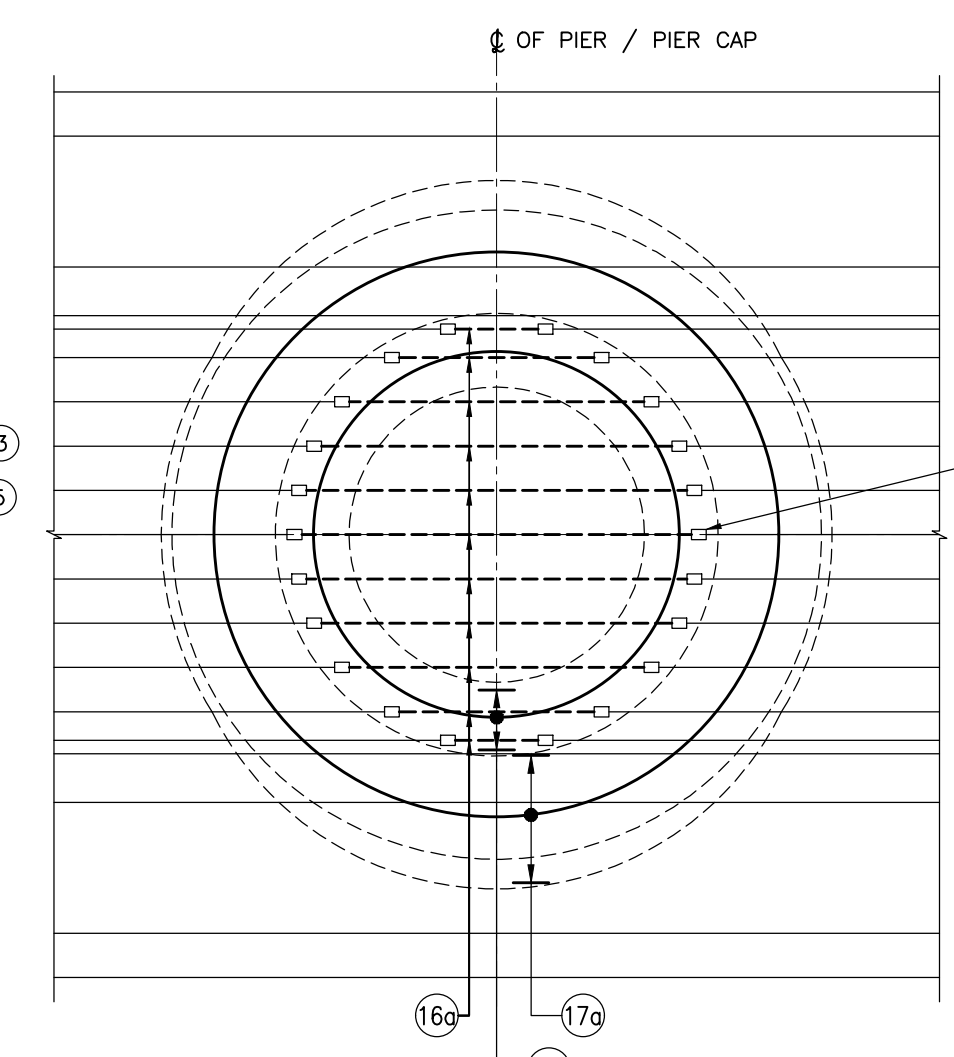
SECTION D-D  
(SCALE 1:25)



DETAIL-1'  
(B' TYPE COUPLER SHALL ONLY BE USED)  
(SCALE 1:25)



VIEW G-G  
(B' TYPE COUPLER SHALL ONLY BE USED)  
(SCALE 1:25)



VIEW H-H  
(B' TYPE COUPLER SHALL ONLY BE USED)  
(SCALE 1:25)

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS UNLESS OTHERWISE NOTED.
  - DIMENSIONS SHALL NOT BE SCALED FROM THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
  - MATERIAL:
    - i) CONCRETE  
PIER CAP : M50  
CAST-IN-SITU STITCH : M50
    - ii) REINFORCEMENT  
REINFORCING STEEL SHALL BE Fe500D TMT BARS CONFORMING TO IS:1786-2008  
CLEAR COVER TO ANY REINFORCEMENT = 50MM.
  - LENGTH OF BARS ARE INDICATIVE AND SHALL BE VERIFIED BY BAR BENDING SCHEDULE.
  - BASIC LAP LENGTH SHALL BE 42 X Ø (Ø IS DIA. OF BAR).
  - SURFACE OF PIER CAP HOLE SHALL BE ROUGHENED IMMEDIATELY AFTER REMOVAL OF SHUTTERING.
  - NOT MORE THAN 50% OF THE BAR SHALL BE LAPPED AT ANY LOCATION.
  - THE LAP SHALL BE STAGGERED BY A DISTANCE OF 1.3 TIMES LAP LENGTH.
  - IF REINFORCEMENT IS INFRINGING WITH CABLE DUCTS THE REINFORCEMENT BARS SHALL BE ADJUSTED LOCALLY.
  - ANCHORAGE LENGTH (FOR STRAIGHT ENDS OR HOOKED ENDS) LAP LENGTH, BAR SPACING & ALL OTHER REINFORCEMENT REQUIREMENT SHALL COMPLY WITH SPECIFICATIONS GIVEN IN IRS CBC - CLAUSE 15.9
  - NO ADDITIONAL OVER LAP THAN SHOWN IN DRAWINGS SHALL BE ALLOWED.
  - MINIMUM BAR BEND SHALL BE SIX TIMES THE BAR DIAMETER
  - ANY DISCREPANCIES MUST BE BROUGHT TO THE NOTICE OF THE ENGINEER
  - PLEASE NOTE THAT IN CASE THERE IS ANY CONFLICT BETWEEN NUMBER OF BARS THEIR SPACING THE MATTER SHALL BE IMMEDIATELY BROUGHT TO THE NOTICE OF ENGINEER IN CHARGE

### SCHEDULE OF REINFORCEMENT

BAR MARK	BAR DIA.	SHAPE	TOTAL NOS./ SPACINGS	REMARKS
1	Ø16+10		2x9 Nos.	BOTTOM BAR
2	Ø25		8 Nos.	TOP BAR
2a	Ø25		2x6 Nos.	TOP BAR
2b	Ø32		2x1 Nos.	TOP BAR
3	Ø16+10		2x4 Nos.	SIDE FACE
3a	Ø16+10		2x6 NOS.	SIDE FACE
3b	Ø16+10		2x1 NOS.	SIDE FACE
4	Ø16		Ø 150 c/c	DEPTH VARIES
4a	Ø12		Ø 150 c/c	DEPTH VARIES
5	Ø12		Ø 150 c/c	WIDTH VARIES
5a	Ø12		Ø 150 c/c	WIDTH VARIES
6 TO 10				NOT USED
11	Ø16		VARIES	2x14 Nos. AS SHOWN
12	Ø12		Ø 150 c/c	AS SHOWN
13	Ø12		2x20 Nos.	BUNDLED WITH BAR MARK (2) & 2a
14	Ø10		2x5 Nos.	
15	Ø16		VARIES	2x3 Nos.
15a	Ø16		VARIES	2x1 Nos.
15b	Ø16		VARIES	2x1 Nos.
15c	Ø16		VARIES	2x1 Nos. LENGTH VARIES
16	Ø25		LAP VARIES	TO BE CONNECTED TO BAR MARKED (2)
16a	Ø16		LAP VARIES	TO BE CONNECTED TO BAR MARKED (1) AND 3a
17	Ø16		Ø 150 C/C	
17a	Ø16		Ø 150 C/C	
18	Ø12		Ø 400 c/c RADIAL Ø 400 c/c VERTICAL	
19	Ø10		4 Nos.	LENGTH VARIES
19a	Ø10		3 Nos.	LENGTH VARIES
20	Ø12		Ø 300 C/C	
20a	Ø10		Ø 200 c/c	6 LEGGED
21	Ø16		16 Nos.	
22	Ø12		Ø 125 c/c	
23	Ø25		16 Nos.	AS SHOWN
24	Ø12		Ø 100 c/c	
M1	Ø10		2 LAYERS	AT PEDESTAL LOCATION
M2	Ø10		2 LAYERS	AT JACK LOCATION
M3	Ø16+12		2 Nos.	2 LEGGED 16 MM 14 LEGGED 12 MM

GOOD FOR CONSTRUCTION

NOTES:			LEGEND:		REFERENCE DRAWINGS :		REFERENCE DOCUMENTS :		KEY PLAN		STATION BOX KEY PLAN	
					022077-BSRP-CR2-C-VD-GEN-30-1151 .....DIMENSIONAL DETAILS OF PIER CAP FOR DOUBLE TRACK ~ 31m-31m STANDARD SPAN		1. DOC-BSRP-CR2-EV-DGN-GEN-30-1031					
					022077-BSRP-CR2-C-VD-GEN-30-1152 .....PRESTRESSING DETAILS OF PRECAST POST TENSIONED PIER CAP FOR DOUBLE TRACK ~ 31m-31m STANDARD SPAN (TYPE-1)							
					022077-BSRP-CR2-C-VD-GEN-30-1155 .....MASTER SHEET REGISTER FOR PRECAST PIER CAP FOR CHANGE 11+500 TO 13+564							
					022077-BSRP-CR2-C-VD-GEN-30-1166 .....MASTER SHEET REGISTER FOR PRECAST PIER CAP FOR CHANGE 13+591 TO 16+311							
REVI/ DATE			BRIEF DESCRIPTION		CONTRACTOR:		QUALITY ASSURANCE		GENERAL CONSULTANTS		EMPLOYER :	
							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	
					TRANSPORTATION INFRASTRUCTURE IC ECRD-SPECIAL BRIDGES				COUNTER SIGN		PROJECT DIRECTOR	
									NAME		SIGN	
					DETAILED DESIGN CONSULTANT (DDC):		DDC		NAME		SIGN	
					PROOF CONSULTANT (PC):		PC		SIGN		DATE	
							SIGN		NAME		DATE	
					Indian Institute of Technology Chennai		DATE		NAME		DATE	
					IT P.O., Chennai		NAME		NAME		DATE	
					600 036 INDIA		NAME		NAME		DATE	
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