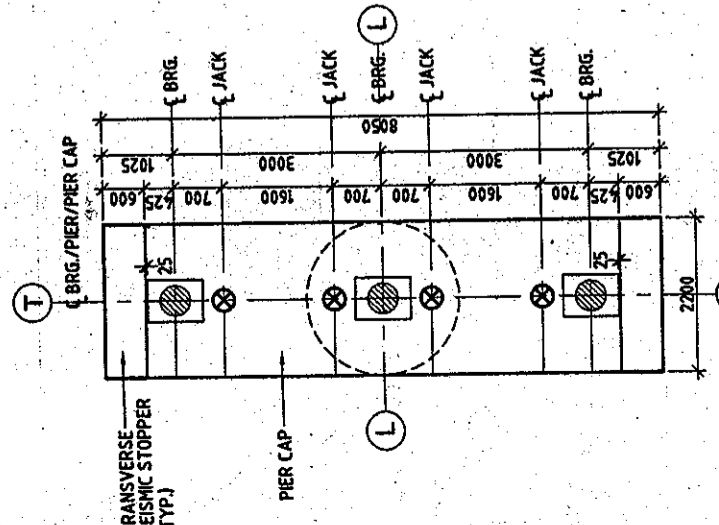
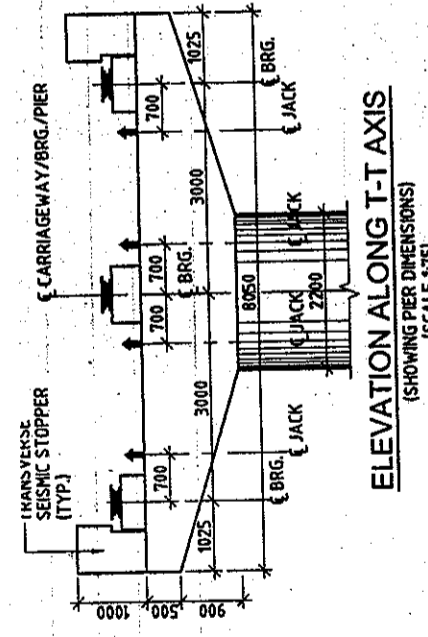


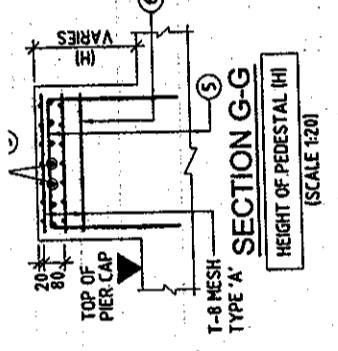
ELEVATION ALONG L-L AXIS
(SHOWING PIER DIMENSIONS)
(SCALE 1:75)



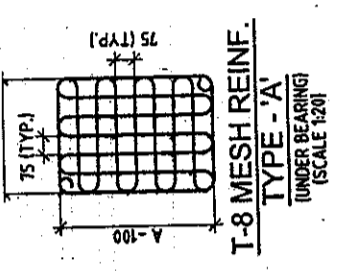
PLAN AT PIER CAP TOP
(SHOWING PIER DIMENSIONS)
(SCALE 1:75)



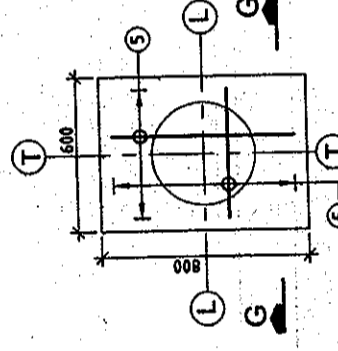
ELEVATION ALONG T-T AXIS
(SHOWING PIER DIMENSIONS)
(SCALE 1:75)



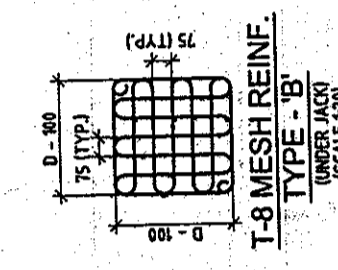
SECTION G-G
TYPE 'A'
T-8 MESH
HEIGHT OF PEDESTAL (H)
(SCALE 1:20)



T-8 MESH REINF.
TYPE 'A'
(UNDER BEARING)
(SCALE 1:20)



PLAN
(DETAILS OF PEDESTAL)
(SCALE 1:20)



T-8 MESH REINF.
TYPE 'B'
(UNDER JACK)
(SCALE 1:20)

- ALL DIMENSIONS ARE IN mm AND LEVELS IN METRES, UNLESS OTHERWISE MENTIONED. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NO DIMENSION IS TO BE SCALED.
- CONCRETE SHALL BE DESIGN MIX WITH A MINIMUM 28 DAYS CHARACTERISTIC STRENGTH 150mm CUBES AS FOLLOWS:-
PIER ----- M35
PIER CAP ----- M35
CLEAR COVER TO OUTER MOST STEEL SHALL BE AS FOLLOWS.
(i) FOR SUBSTRUCTURE ----- 50mm
(ii) FOR FOUNDATION ----- 75mm
TMT HIGH YIELD STRENGTH DEFORMED BARS SHALL BE OF GRADE DESIGNATION Fe-415 CONFORMING TO IS:1786 SHALL ONLY BE USED.
MINIMUM BOND LENGTH FOR REINFORCEMENT BAR SHALL BE 72 x DIA OF BAR. LAPS SHALL BE STAGGERED AND NOT MORE THAN 50% OF BARS SHALL BE LAPPED AT ANY ONE SECTION.
IN PIER SHAFT T-10 OPEN LINKS (OR S LOOPS) WITH HOOK PLACED AROUND THE VERTICAL BARS ARE PLACED AT THE RATE OF 4 LINKS IN ONE SQUARE METRE.
LL REPRESENTS LONGITUDINAL AXIS OF BRIDGE AND TT REPRESENTS TRANSVERSE AXIS OF BRIDGE.
A IS THE DIMENSIONS OF THE BEARINGS WHICH IS TO BE FURNISHED BY THE MANUFACTURER.
D = DIA OF JACK.
- REFERENCE DRAWINGS:-**
ii) 1213/SMEC/LUDHIANA/22-005/G-01 (SHEET 1 OF 6 TO 6 OF 6)
iii) 1213/SMEC/LUDHIANA/22-005/E-08 (SHEET 1 OF 2)

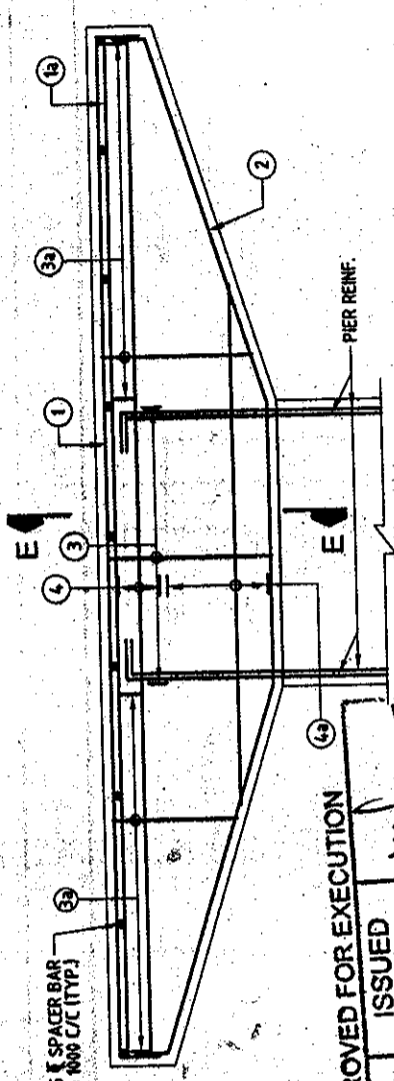
REINFORCEMENT DETAIL:

BAR MKD.	DIA (mm)	SPACING/Mos.	SHAPE
1	32	17 Nos.	[Diagram]
2	32	17 Nos.	[Diagram]
3	16	27 Nos.	[Diagram]
3a	16	150	[Diagram]
4	12	2Nos.	[Diagram]
4a	12	4Nos.	[Diagram]
5	12	75	[Diagram]
6	12	150	[Diagram]
7	32	100 Nos.(2x50)	[Diagram]
8	12	125	[Diagram]

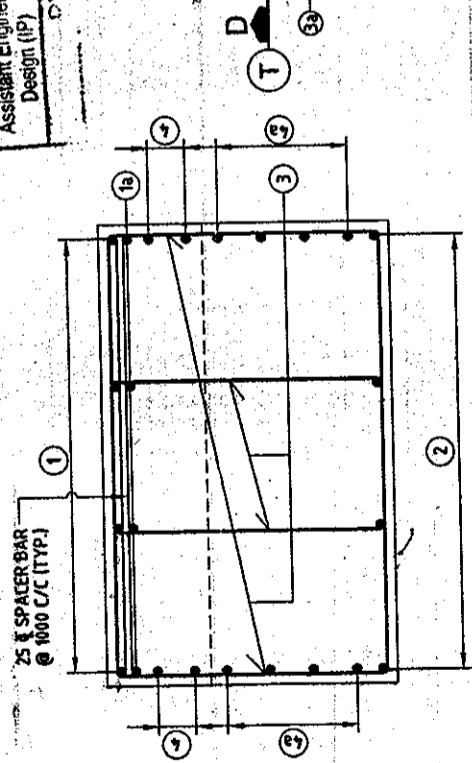
LEGENDS:
 --- BAR ON TOP FACE
 --- BAR ON BOTTOM FACE

LEVEL CHART FOR PIER

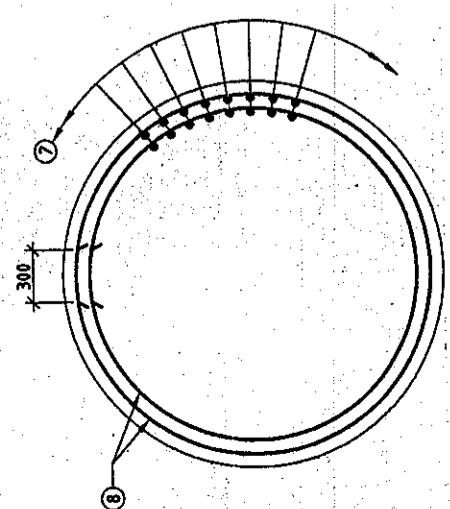
PIER DESIGNATION	FORMATION LEVEL	PIER CAP TOP LEVEL	BED LEVEL
P9	254.823	252.408	246.696



SECTION D-D
(SCALE 1:40)



SECTION E-E
(SCALE 1:25)



SECTION F-F
(SCALE 1:30)

APPROVED FOR EXECUTION
 ISSUED
 10/07/2010
 Assistant Engineer Design (IP)
 Executive Engineer Design (IP)
 Chief Engineer (IP)
 PUNJAB P.W.D. (B & R)

PREPARATION OF DETAILED PROJECT REPORT FOR UPGRADATION OF SOUTHERN BYE-PASS LUDHIANA

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CLIENT: PIDB
 PUNJAB INFRASTRUCTURE DEVELOPMENT BOARD

PROJECT TITLE: PREPARATION OF DETAILED PROJECT REPORT FOR UPGRADATION OF SOUTHERN BYE-PASS LUDHIANA

REV	DATE	DESIGN	CHECKED	APPROVED	DETAILS OF REVISION
R1	28/08/2009	MKS	VNM	S/WHIRI	REVISED AS PER P&I PWD COMMENTS
R0	23/05/2009	MKS	VNM	S/WHIRI	FIRST ISSUE

SCALE: AS SHOWN
SHEET SIZE: A2
DRW: DRW
DATE: 12/13/SMEC/LUDHIANA/22-005/E-08
SHEET 2 OF 2

DETAILED PROJECT REPORT DIMENSIONAL & REINF. DETAILS OF PILE, PIER CAP, PIER & PIER CAP