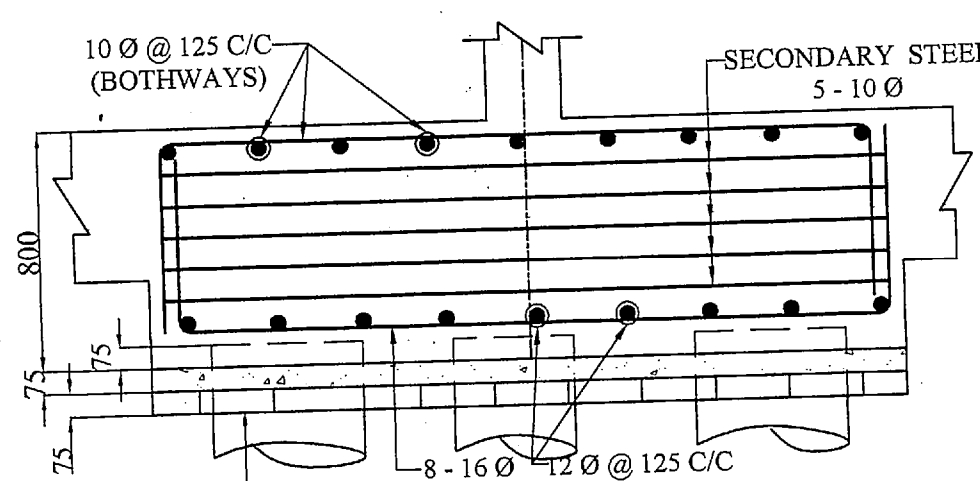
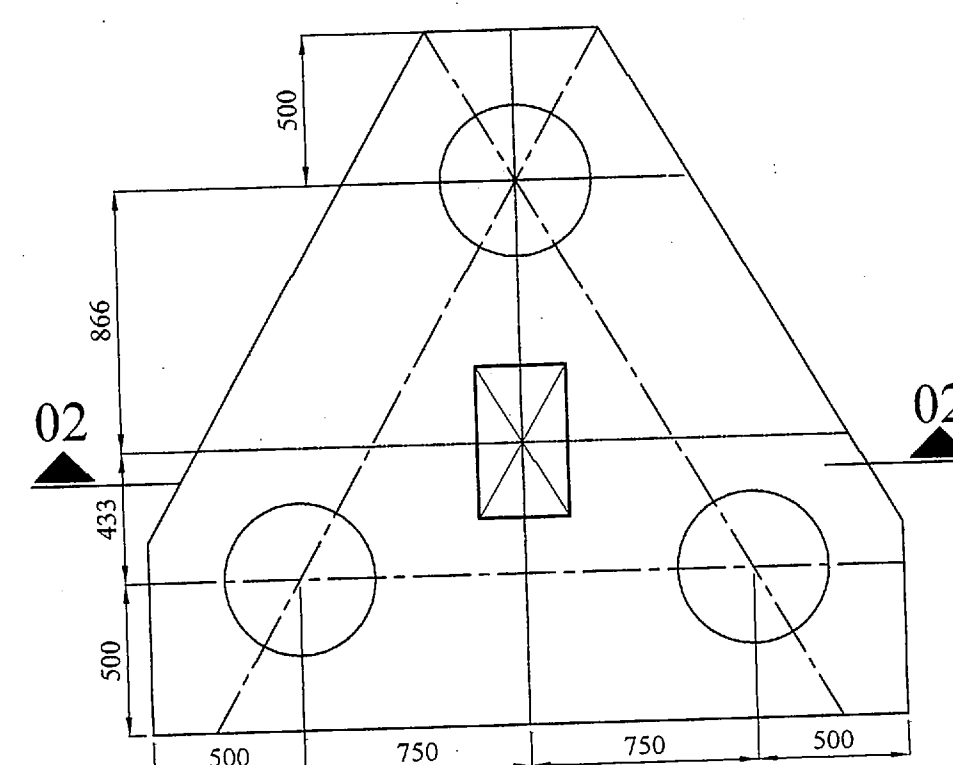
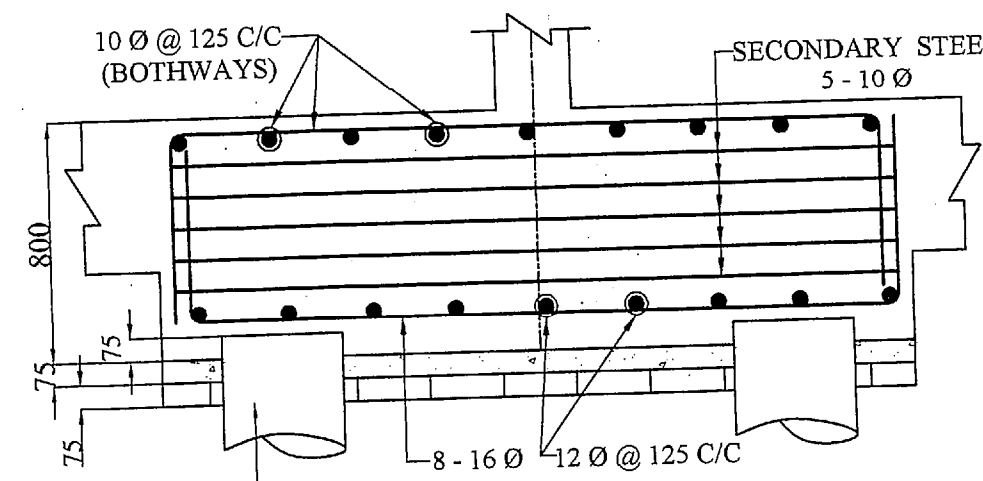




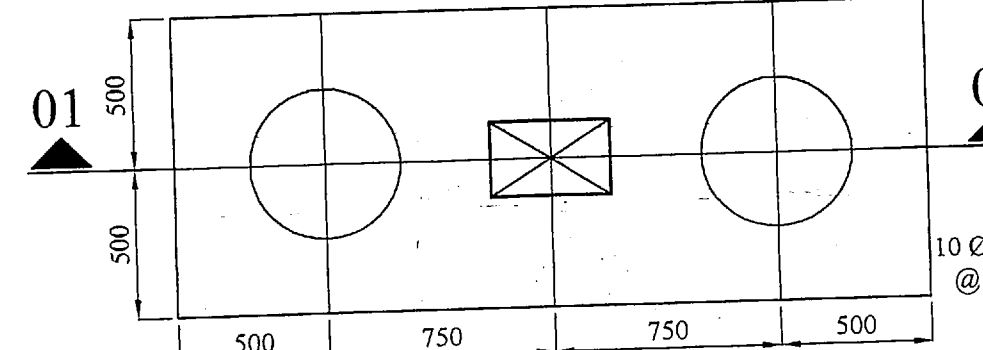
SEC. - 02 - 02



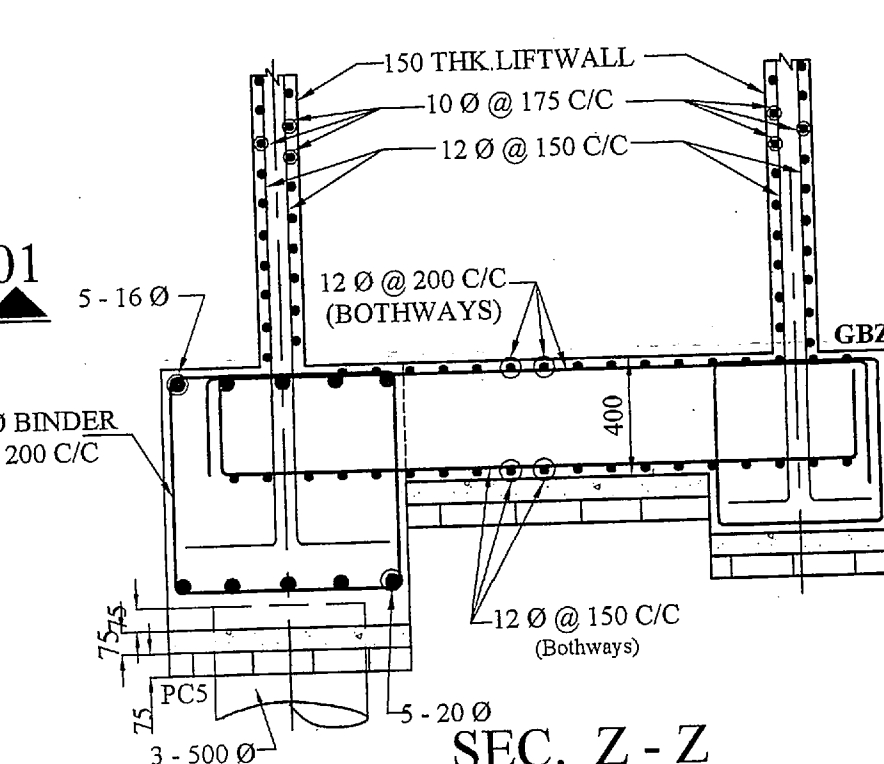
PILE CAP PC2
(3 NOS 500 Ø PILE)



SEC. - 01 - 01



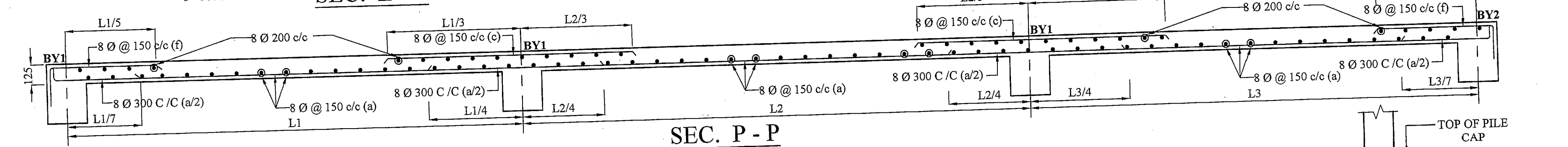
PILE CAP : PCI
2 NOS 500 Ø



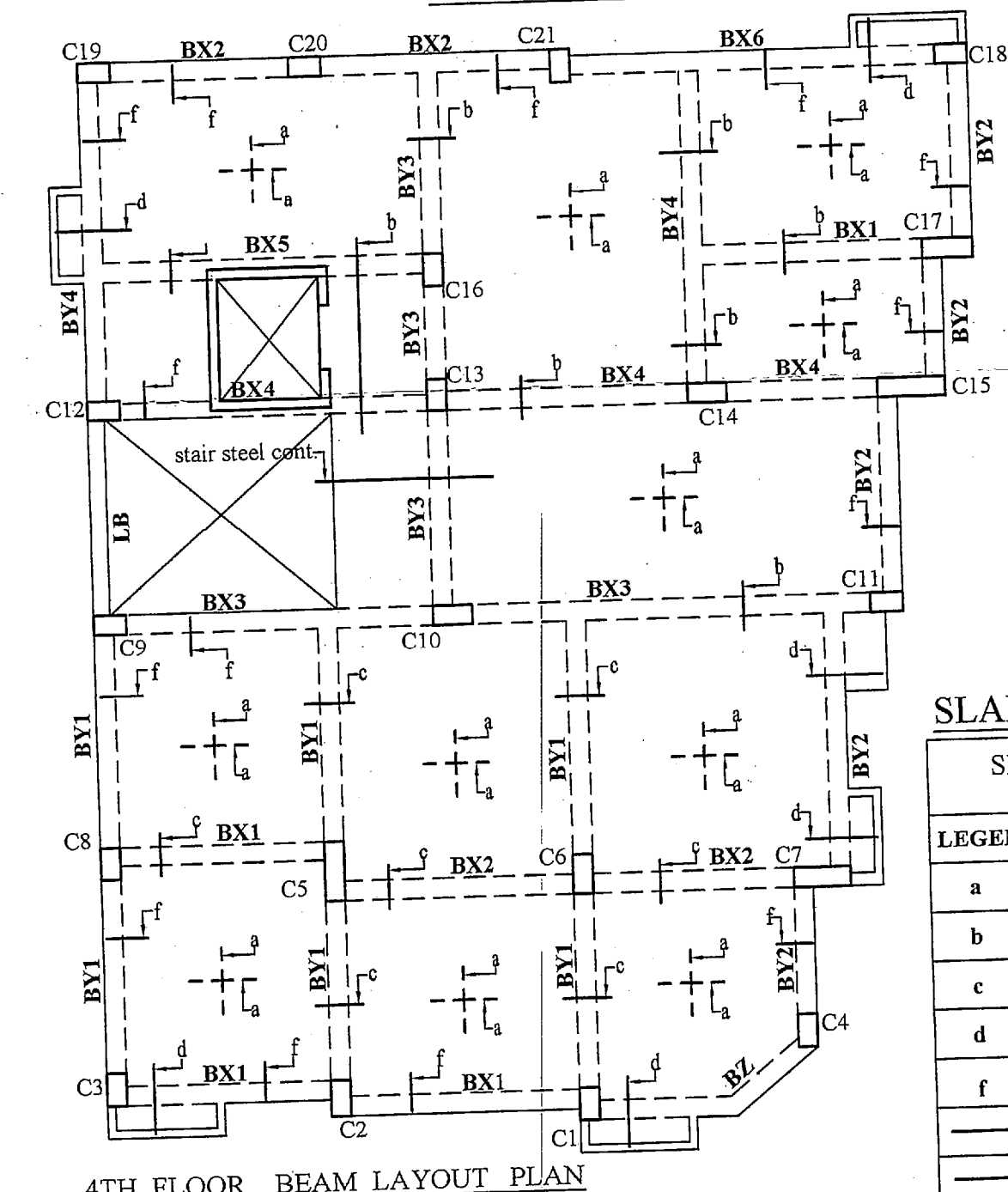
SEC. Z - Z

BEAM SCHEDULE												
TYPE OF BEAM	S.L. NO	BEAM MKD.	BEAM SECTION	END SUPPORT		INTERIOR SUPPORT		END SPAN		INTERIOR SPAN		STIRRUPS
				TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	
GRADE BEAM	1	GB1	300 x 450	4 - 16 Ø	2 - 16 Ø	4 - 16 Ø	3 - 16 Ø	2 - 16 Ø	3 - 16 Ø	-	-	8 Ø (2L) @ 150 TO 200 C/C
	2	GB2	300 x 500	3 - 20 Ø + 3 - 16 Ø (D.L.)	2 - 16 Ø	-	-	2 - 20 Ø	2 - 16 Ø + 2 - 20 Ø	-	-	8 Ø @ 125 TO 175 C/C
	3	GB3	300 x 500	4 - 20 Ø	2 - 16 Ø	4 - 20 Ø + 3 - 20 Ø (D.L.)	2 - 16 Ø	2 - 20 Ø	2 - 16 Ø + 2 - 20 Ø + 3 - 16 Ø (D.L.)	-	-	8/10 Ø @ 125 TO 175 C/C
	4	GB4	300 x 450	3 - 16 Ø	3 - 16 Ø	-	-	2 - 16 Ø	3 - 16 Ø	-	-	8 Ø (2L) @ 150 C/C
	5	GB5	300 x 450	3 - 16 Ø	2 - 16 Ø	4 - 16 Ø	3 - 16 Ø	2 - 16 Ø	3 - 16 Ø	4 - 16 Ø	3 - 16 Ø	8 Ø (2L) @ 150 C/C
	6	GB6	300 x 450	3 - 16 Ø	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø	2 - 16 Ø	2 - 16 Ø	3 - 16 Ø	2 - 16 Ø	3 - 16 Ø	8 Ø (2L) @ 150 TO 175 C/C
	7	GBZ	500 x 600	5 - 16 Ø + 3 - 16 Ø (D.L.)	5 - 20 Ø	-	-	5 - 16 Ø	5 - 20 Ø + 3 - 20 Ø (D.L.)	-	-	10 Ø (2L) @ 150 C/C
1ST. FLOOR TO ROOF BEAM	8	BX1	300 x 450	4 - 16 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	-	-	2 - 16 Ø	4 - 16 Ø +	-	-	8Ø(2L)@125 TO 175 C/C
	9	BX2	300 x 450	4 - 16 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø	-	-	8Ø(2L)@150 C/C
	10	BX3	300 x 500	4 - 20 Ø + 2 - 16 Ø (D.L.)	2 - 20 Ø	4 - 20 Ø + 4 - 20 Ø (D.L.)	2 - 20 Ø	2 - 20 Ø	4 - 20 Ø	2 - 20 Ø	4 - 20 Ø + 2 - 20 Ø (D.L.)	8/10 Ø (2L) @ 125 TO 175 C/C
	11	BX4	300 x 450	4 - 16 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 2 - 20 Ø (D.L.)	2 - 16 Ø	2 - 16 Ø	4 - 16 Ø	-	-	8 Ø (2L) @ 125 C/C
	12	BX5	300 x 450	3 - 20 Ø	2 - 20 Ø	-	-	2 - 20 Ø	3 - 20 Ø + 3 - 16 Ø (D.L.)	-	-	8 Ø (2L) @ 100 TO 150 C/C
	13	BX6	300 x 500	3 - 20 Ø + 2 - 20 Ø (D.L.)	3 - 20 Ø	-	-	2 - 20 Ø	3 - 20 Ø + 3 - 20 Ø (D.L.)	-	-	8/10 Ø @ 125 C/C
	14	BZ	300 x 450	3 - 20 Ø + 2 - 16 Ø	3 - 20 Ø + 2 - 16 Ø	-	-	3 - 20 Ø	3 - 20 Ø	-	-	8 Ø @ 125 C/C
	14	BY1	300 x 450	4 - 16 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	2 - 16 Ø + 2 - 20 Ø + 3 - 16 Ø (D.L.)	4 - 16 Ø	2 - 16 Ø	4 - 16 Ø + 2 - 16 Ø (D.L.)	-	-	8 Ø (2L) @ 150 TO 200 C/C
	15	BY2	300 x 450	3 - 16 Ø + 2 - 16 Ø (D.L.)	2 - 16 Ø	-	-	3 - 16 Ø	4 - 16 Ø	-	-	8 Ø (2L) @ 150 TO 200 C/C
	16	BY3	300 x 450	2 - 20 Ø + 1 - 16 Ø (D.L.)	2 - 16 Ø	3 - 20 Ø + 2 - 16 Ø (D.L.)	4 - 16 Ø	2 - 16 Ø	4 - 16 Ø	3 - 20 Ø + 2 - 16 Ø (D.L.)	4 - 16 Ø	8Ø (2L) @ 150 C/C
	17	BY4	300 x 450	3 - 20 Ø	2 - 20 Ø	-	-	2 - 20 Ø	3 - 20 Ø + 3 - 16 Ø (D.L.)	-	-	8 Ø (2L) @ 125 TO 175 C/C

SCHEDULE OF PILE CAP											
SL.NO.	PILE CAP MKD.	DEPTH OF PILE CAP (DP)	LENGTH OF PILE	NO.OF PILE	DIA OF PILE	C/C DISTANCE OF PILE	PILE CAP RE - INFORCEMENT (BOT.)		PILE CAP RE - INFORCEMENT (TOP.)		SECONDARY STEEL
							ALONG X-X DIR.	ALONG Y-Y DIR.	ALONG X-X DIR.	ALONG Y-Y DIR.	
1	PC1	800	18.0 M	2	500	1500	8 -16 Ø	12 Ø @ 125 C/C	10 Ø @ 125 C/C	10 Ø @ 125 C/C	5 - 10 Ø
2	PC2	800	18.0 M	3	500	1500	16 Ø @ 150 C/C	16 Ø @ 150 C/C	10 Ø @ 125 C/C	10 Ø @ 125 C/C	5 - 10Ø
3	PC3	800	18.0 M	4	500	1500	16 Ø @ 135 C/C	16 Ø @ 135 C/C	10 Ø @ 125 C/C	10 Ø @ 125 C/C	5 - 10Ø
4	PC4	850	18.0 M	5	500	1500	20 Ø @ 150 C/C	16 Ø @ 150 C/C	12 Ø @ 150 C/C	12 Ø @ 150 C/C	5 - 10Ø
5	PC5	800	18.0 M	3	500	1250	5 - 20 Ø	-	5 - 16 Ø	-	10 Ø BINDER @ 200 C/C
6	PC6	800	18.0 M	6	500	1500	16 Ø @ 175 C/C	16 Ø @ 150 C/C	12 Ø @ 125 C/C	12 Ø @ 125 C/C	5 - 10Ø

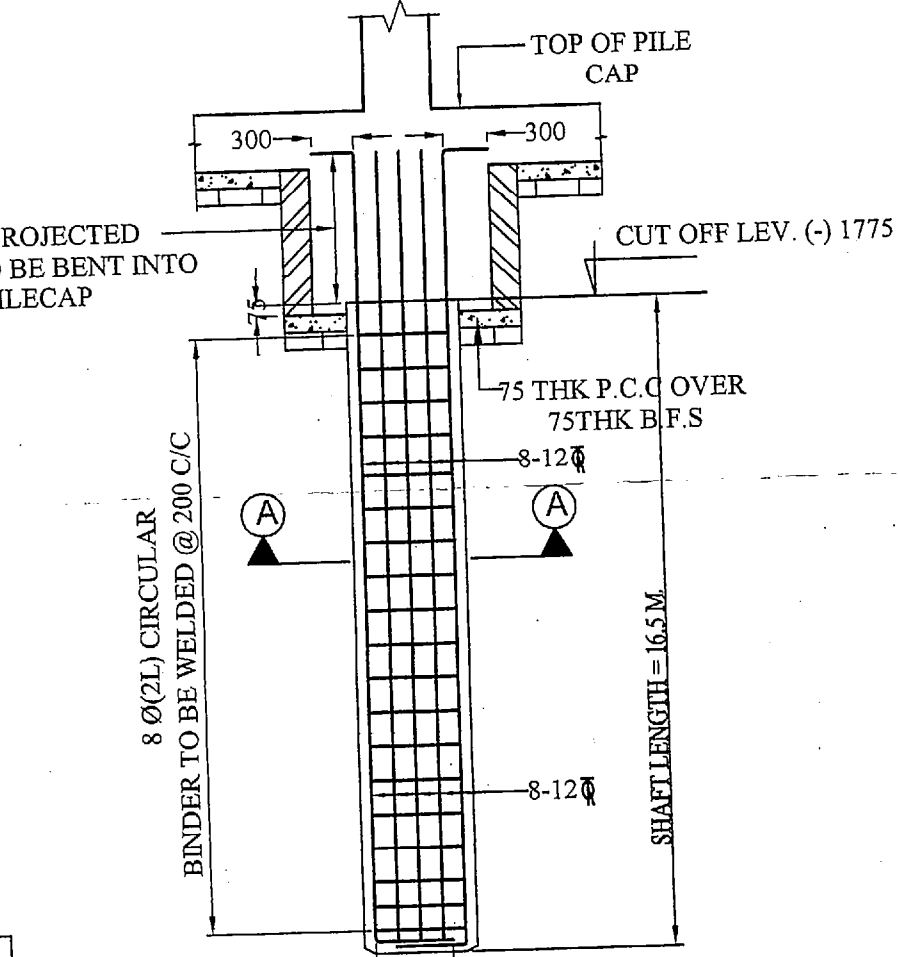


SEC. P - 1



4TH FLOOR BEAM LAYOUT PLAN

SLAB SCHEDULE	
SLAB THICKNESS- 125 M.M.	
LEGEND	STEEL
a	8 Ø @ 150 c/c (BOT.)
b	8 Ø @ 300 + 10 Ø 300 c/c (TOP/BOT.)
c	8 Ø @ 125 c/c (TOP)
d	10 Ø @ 150 (TOP)+ 8 Ø 150 c/c (BOT.)
f	8 Ø @ 150 c/c (TOP)
————	SHOWN AS TOP LAYER STEEL
————	SHOWN AS BOTTOM LAYER STEEL



TYPICAL DETAIL OF PILE

SEC: A - A

For, SUDHIPRIYA MUKHERJEE
SOUMYA PRIYA MUKHERJEE
SUGITA-MUKHOPADHYAY
SUMITA GANGULY
MADHUMITA MUKHERJEE &
SUPARNA CHAKRABORTY


(Director & Authorised Signatory
of Swastik Project Pvt Ltd
the Constituted Attorney)

SIC OF OWNER

SIG. OF OWNER

DECLARATION OF ARCHITECT

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009, AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING THE ABUTTING ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK.

Anjan Ukil
ANJAN UKIL
Architect
C.O.A. Regn. No.-CA/94/16721

ANJAN UKIL (CA/94/16721)
NAME OF ARCHITECT.

CERTIFICATE OF GEO-TECNICAL ENGINEER

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING DONE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C OF INDIA ON THE BASIS OF SOIL INVESTIGATION REPORT DONE BY GEOTECHNICAL ENGINEER CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. . .

ALOK ROY
Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
Class-I, No.- G.71/11
6A, Milan Park
Kolkata-700 084

ALOE ROY: G.T.E. K.M.C. NO.- I/11
NAME OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C OF INDIA ON THE BASIS OF SOIL INVESTIGATION REPORT DONE BY ALOKE ROY. G.T.E. K.M.C. NO.-111.

THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

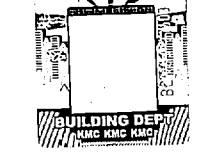

Sankar Das
B.E. (CAL), M.E. (CAL), M.I.E.,
Consulting Structural-Engineer
The Kolkata Municipal Corporation
Emergenters No.-E-6, 112
SANKAR DAS (P.S.E. 112)
MEMBER OF STRUCTURAL ENGINEER

PROJECT.
PROPOSED G+VI STORIED (HT. 21.500 MT.)
RESIDENTIAL BUILDING AT PRE. NO. - 29, PARK SIDE
ROAD, KOLKATA -700026, WARD NO-84, BOROUGH-VIII
P.S.-TOLLYGUNGE.
UNDER RII F-142 OF K.M.C. BUILDING RULE 2009.

JOB NO.	C / 2392	DATE - 09.01.2025
DRG. NO. -		REV. 0
SCALE: -	1 : 100, 1.50, 1.25 (UNLESS OTHERWISE MENTIONED)	
TITLE	STRUCTURAL DETAILS PLAN & SECTION	
DRAWN BY.	SHILA NAG	
<u>STRUCTURAL CONSULTANT</u>		
TETRAGON ENGINEERING CONSULTANCY PVT.LTD.		
27 CORNFIELD ROAD, KOLKATA - 700019.		
PHONE NO. 33 3551 4457		
E-mail : tecn.kolkata@gmail.com		

29ps.
Foundation
Beam

PARTY'S COPY



Structure plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2024/08000/2 Date 12/01/24 for record of the Kolkata Municipal Corporation without verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction.

EXECUTIVE ENGINEER/ASST. ENGINEER
BOROUGH NO. 1/24