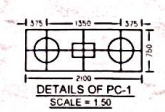
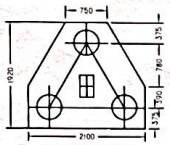
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

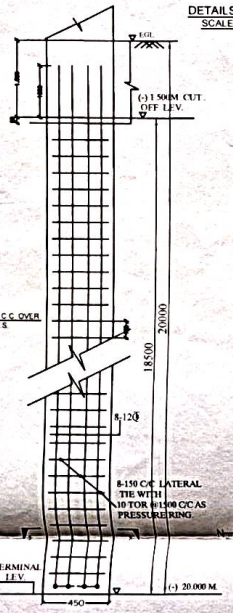


DETAILS OF PC-1
SCALE = 1.50

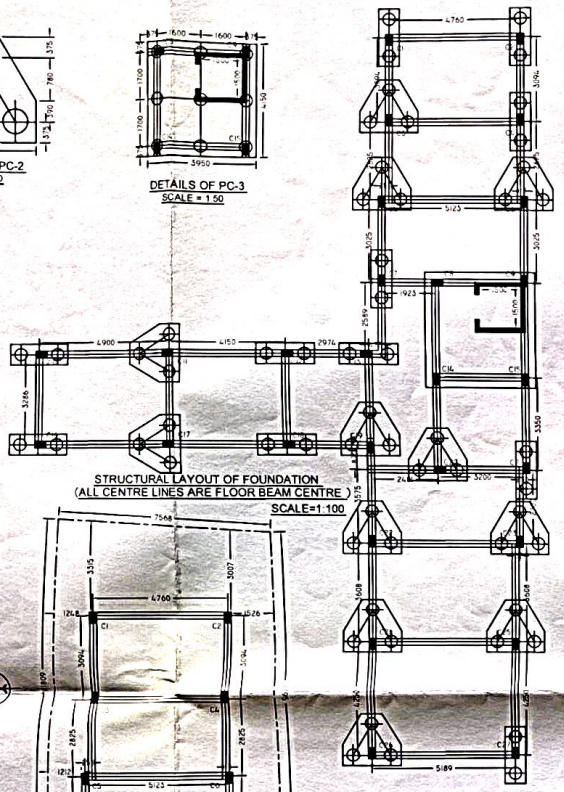


DETAILS OF PC-2
SCALE = 1.50

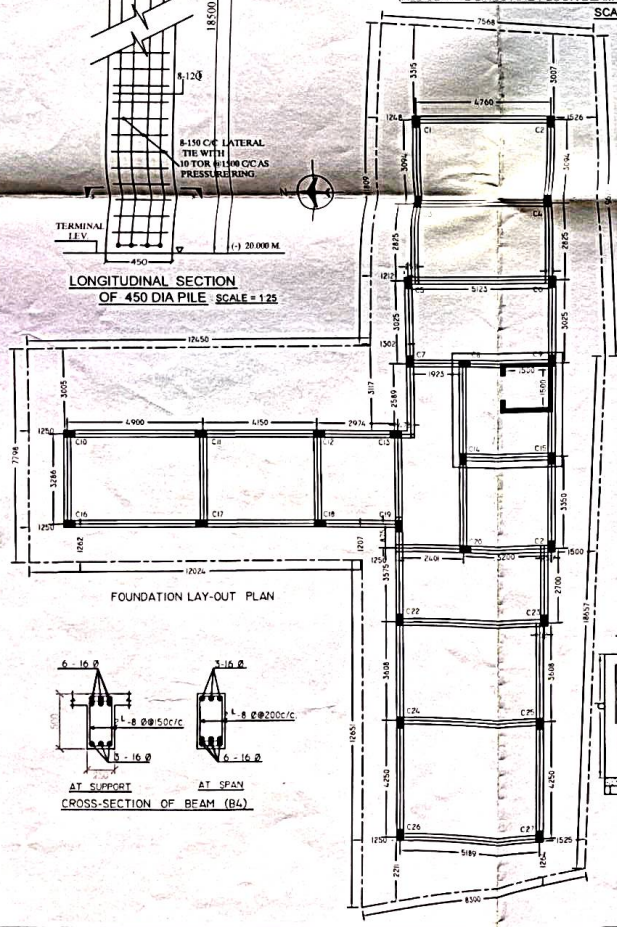
DETAILS OF PC-3
SCALE = 1.50



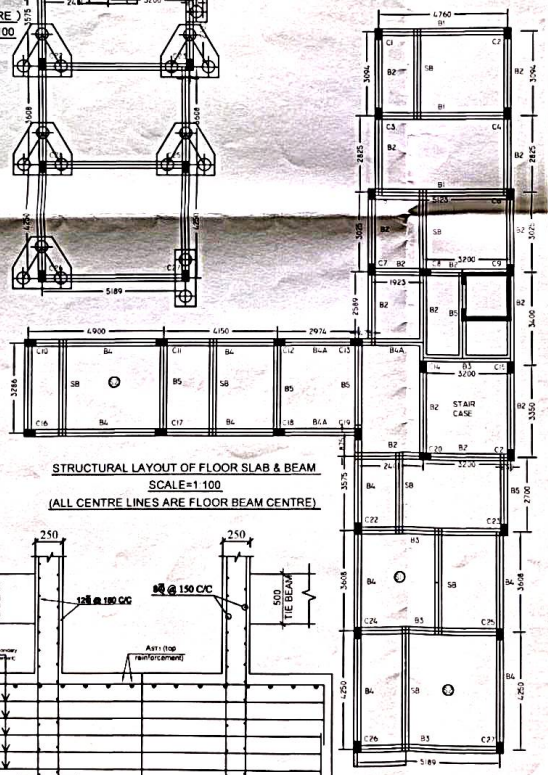
LONGITUDINAL SECTION
OF 450 DIA PILE SCALE = 1.25



STRUCTURAL LAYOUT OF FOUNDATION
(ALL CENTRE LINES ARE FLOOR BEAM CENTRE)
SCALE=1:100



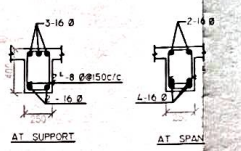
FOUNDATION LAY-OUT PLAN



STRUCTURAL LAYOUT OF FLOOR SLAB & BEAM
SCALE=1:100
(ALL CENTRE LINES ARE FLOOR BEAM CENTRE)

SCHEDULE OF PILE CAP						REINFORCEMENT DETAILS OF PILE CAP		
PILE CAP MKD.	NO. OF PILES UNDER SINGLE COLUMN	COL.MKD.	LENGTH	BREADTH	DEPTH	BOTTOM REINFORCEMENT (AS1) BOTH WAYS	TOP REINFORCEMENT (AS2) BOTH WAYS	SECONDARY REINFORCEMENT
PC1	2	1,2,4,7,10,12,13, 16,18,21,27	2100	750	900	16-125 C/C B/W	12-125 C/C B/W	4-12
PC2	3	3,5,6,11,17,19,20, 22,23,24,25,26	2100/750	1920	900	20-150 C/C B/W	12-125 C/C B/W	5-12
PC3	6	LIFT + COL. 8,9,14,15	2350	3750	1000	20-150 C/C B/W	12-150 C/C B/W	5-12

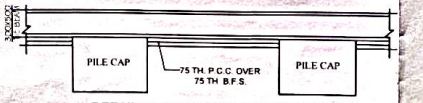
* SCHEDULE OF COLUMN *				
COLUMN MKD.	COLUMN SIZE	VERTICAL REINFORCEMENT	LATERAL TIES	
1,2,3,4,5,6,7,8,9, 10,12,13,15,16,18, 19,20,26,27	250 X 400	8 - 16 Ø	8 MM Ø@150MM C/C	250 / 400
11,17,22,23,24,25	250 X 450	8 - 16 Ø	8 MM Ø@150MM C/C [2 SETS]	250 / 500



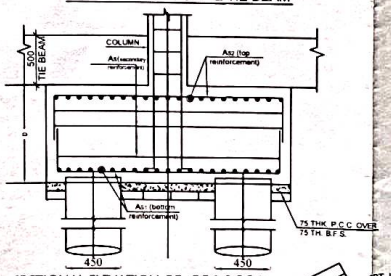
AT SUPPORT AT SPAN
CROSS-SECTION OF BEAM (SB)

SCHEDULE OF FLOOR & ROOF BEAMS

BEAM MKD.	BEAM SIZE.	REINFORCEMENT					
		SUPPORT		SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	SUPPOR	SPAN
B1	250X500	5-16 Ø	3-16 Ø	3-16 Ø	6-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 200 C/C
B2	250X400	4-16 Ø	2-16 Ø	2-16 Ø	4-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 225 C/C
B3	250X500	6-16 Ø	3-16 Ø	3-16 Ø	2-20 Ø + 4-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 225 C/C
B4	250X450	6-16 Ø	3-16 Ø	3-16 Ø	6-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 225 C/C
B4A	250X450	4-16 Ø	2-16 Ø	2-16 Ø	4-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 225 C/C
B5	250X400	3-16 Ø	2-16 Ø	2-16 Ø	3-16 Ø	[illegible]	8 Ø 2L@ 225 C/C
SB	250X400	3-16 Ø	2-16 Ø	2-16 Ø	4-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 225 C/C
T.B	300X500	5-16 Ø	3-16 Ø	3-16 Ø	5-16 Ø	8 Ø 2L@ 150 C/C	8 Ø 2L@ 225 C/C

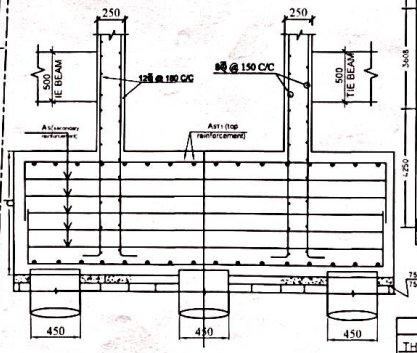


DETAILS OF PILE CAP & TIE BEAM



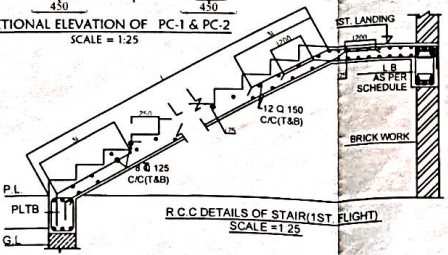
SECTIONAL ELEVATION OF PC-1 & PC-2
SCALE = 1:25

AT SUPPORT AT SPAN
CROSS-SECTION OF BEAM (B4)



SECTIONAL ELEVATION OF PC -3

* SCHEDULE OF STAIR CASE *
THICKNESS OF WAIST SLAB = 175 MM.
THICKNESS OF LANDING SLAB = 175 MM.
MAIN REINFORCEMENT = 12 MM.Ø @ 150 MM.C/C
DISTRIBUTION BAR = 8 MM Ø @ 150 MM. C /C.



R.C.C DETAILS OF STAIR(1ST FLIGHT)
SCALE = 1.25

BHATPARA MUNICIPALITY

STRUCTU[illegible] 5 STORIED
RESIDEN[illegible] OF
NAME OF [illegible] DU
R.S DAG[illegible] 533,535
R.S.KH [illegible] 713
MOUZA. [illegible] 4
WARD N[illegible] 80/3
P.S;- [illegible] NARA
PIN:- 743120 [illegible]
LOCALITY/STREET : MULAJORE ROAD,

AREA STATEMENT

LAND AREA - 3820 SQ.FT.OR 355.038 SQ.MT OR 8.77 SATAK
PERMISSIBLE FAR :- 2.25
GROUND FLOOR BUILT UP AREA :- 186.0032 SQ . MT
GROUND FLOOR STAIR & LIFT AREA :- 22.527 SQ . MT
GROUND FLOOR ELECTRICAL & W.C. & SECURITY ROOM (COMMON AREA) AREA :- 06.86 SQ . MT
GROUND FLOOR PARKING AREA :- 156.6162 SQ . MT
FIRST FLOOR BUILT UP AREA :- 186.9686 SQ . MT
FIRST FLOOR STAIR & LIFT AREA :- 22.527 SQ . MT
FIRST FLOOR FLOOR AREA :- 164.4416 SQ . MT
FIRST FLOOR FLOOR AREA(COMMERCIAL) :- 59.2662 SQ . MT
FIRST FLOOR FLOOR AREA(RESIDENTIAL) :- 105.1754 SQ . MT
SECOND FLOOR FLOOR AREA(RESIDENTIAL) :- 164.4416 SQ . MT
THIRD FLOOR FLOOR AREA(RESIDENTIAL) :- 164.4416 SQ . MT
TOTAL FLOOR AREA :- (164.4416 X 3) = 493.3248 SQ.MT
PROPOSED F.A.R :- (493.3248 / 355.038) = 1.3895 < 2.25 (OK)
% GROUND FLOOR COVERAGE :-(186.0032 / 355.038)X100 = 52.39 %

SIGNATURE OF OWNER

CERTIFIED THAT THE SITE HAS BEEN INSPECTED PERSONALLY BY THE UNDERSIGNED

SIGNATURE OF LBS

SIGNATURE OF STR. ENGG

SIGNATURE OF GEOTECH. ENGG

FOR OFFICE USE

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT