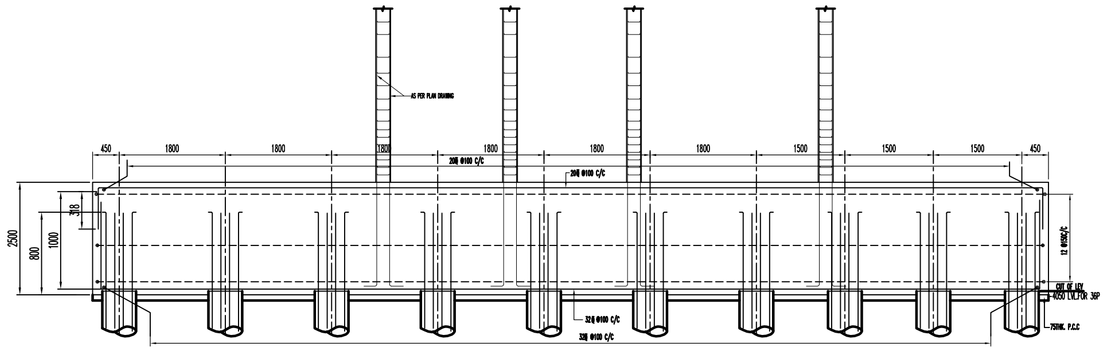
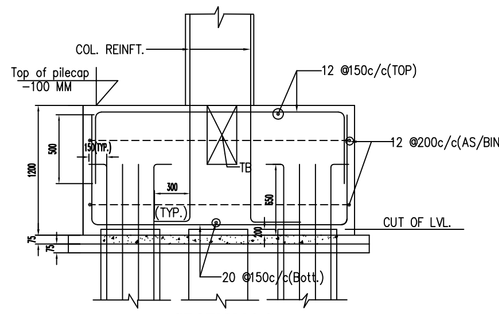


SECTION 1-1



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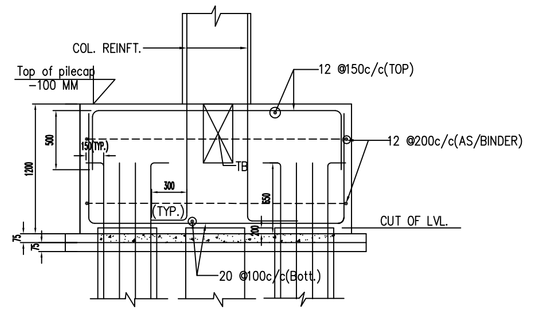

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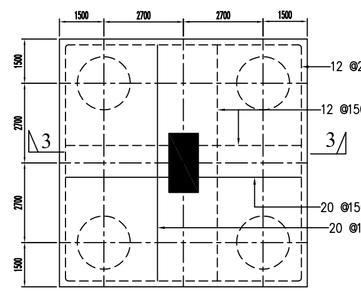
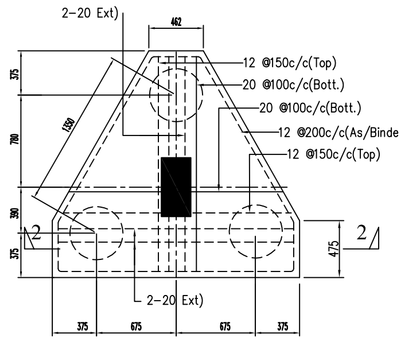
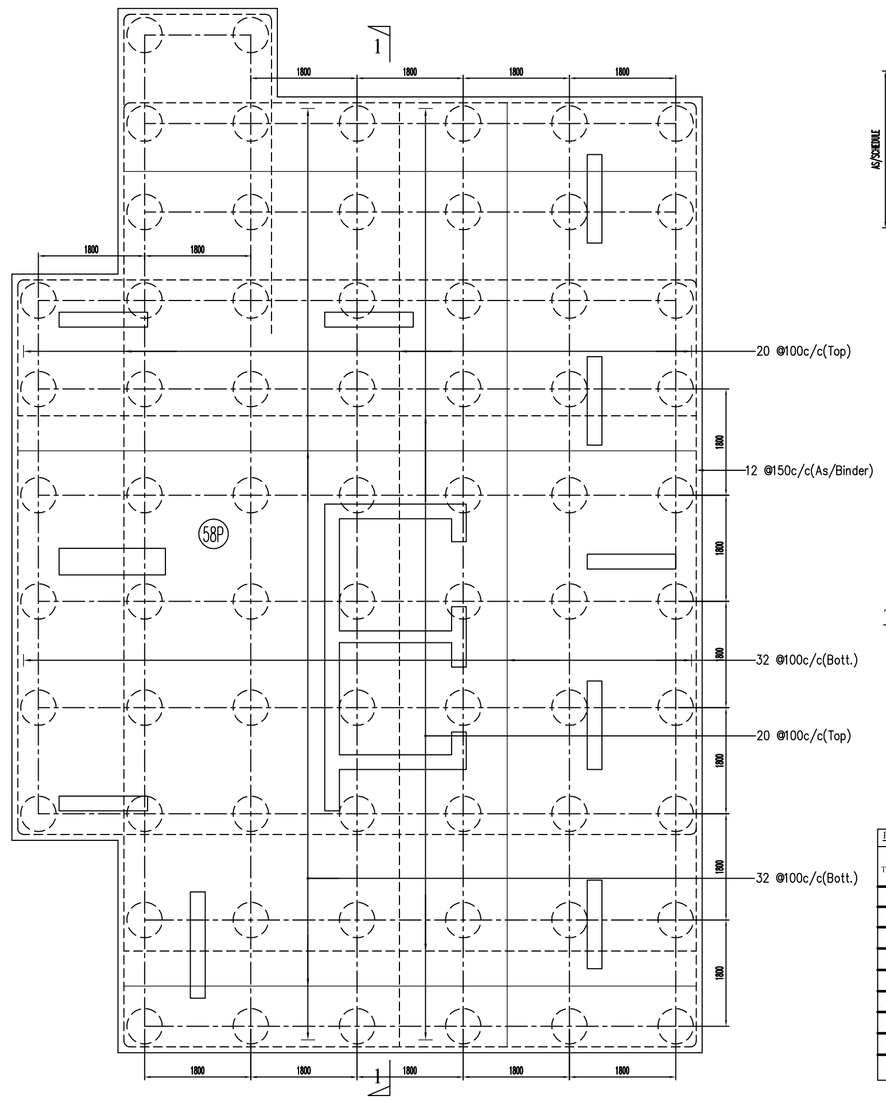


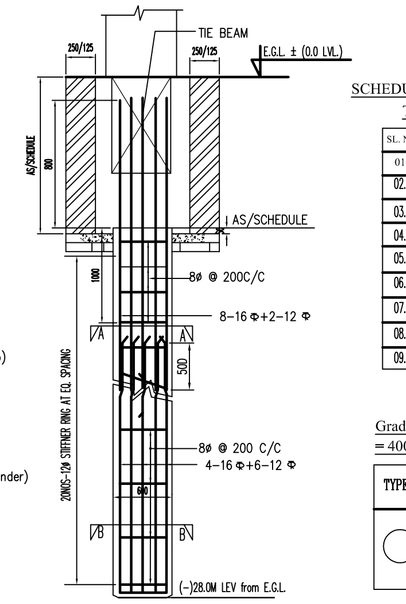
DETAIL OF PILE CAP MKD. - 4P



DETAIL OF PILE CAP MKD. - 3P



DETAIL OF PILE CAP MKD. - 68P



TYPICAL DETAIL OF 600 DIA PILE

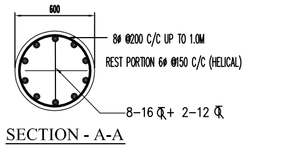
SCHEDULE AT CUT OFF LEVEL OF PILECAP

TOP OF PILE CAP (EGL (0.00)

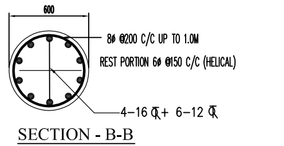
SL. NO.	PILE CAP MKD.	CUT OFF LVL.
01.	3P	-1.5M. LVL.
02.	4P	-1.5M. LVL.
03.	5P	-2.0M. LVL.
04.	6P	-1.8M. LVL.
05.	6P1	-1.8M. LVL.
06.	8P	-2.0M. LVL.
07.	8P1	-2.0M. LVL.
08.	16P	-2.5M. LVL.
09.	68P	-4.05M. LVL.

Grade of Concrete .M25.
= 400Kg /Cum Grade oF conc.M25

TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
	600Ø	UPTO 10m. FROM CUT OFF 8-16 + 2-12 TOR. BELLOW 10m. 4-16 + 6-12 TOR.	135 T



SECTION - A-A
UPTO 10m. FROM CUT OFF



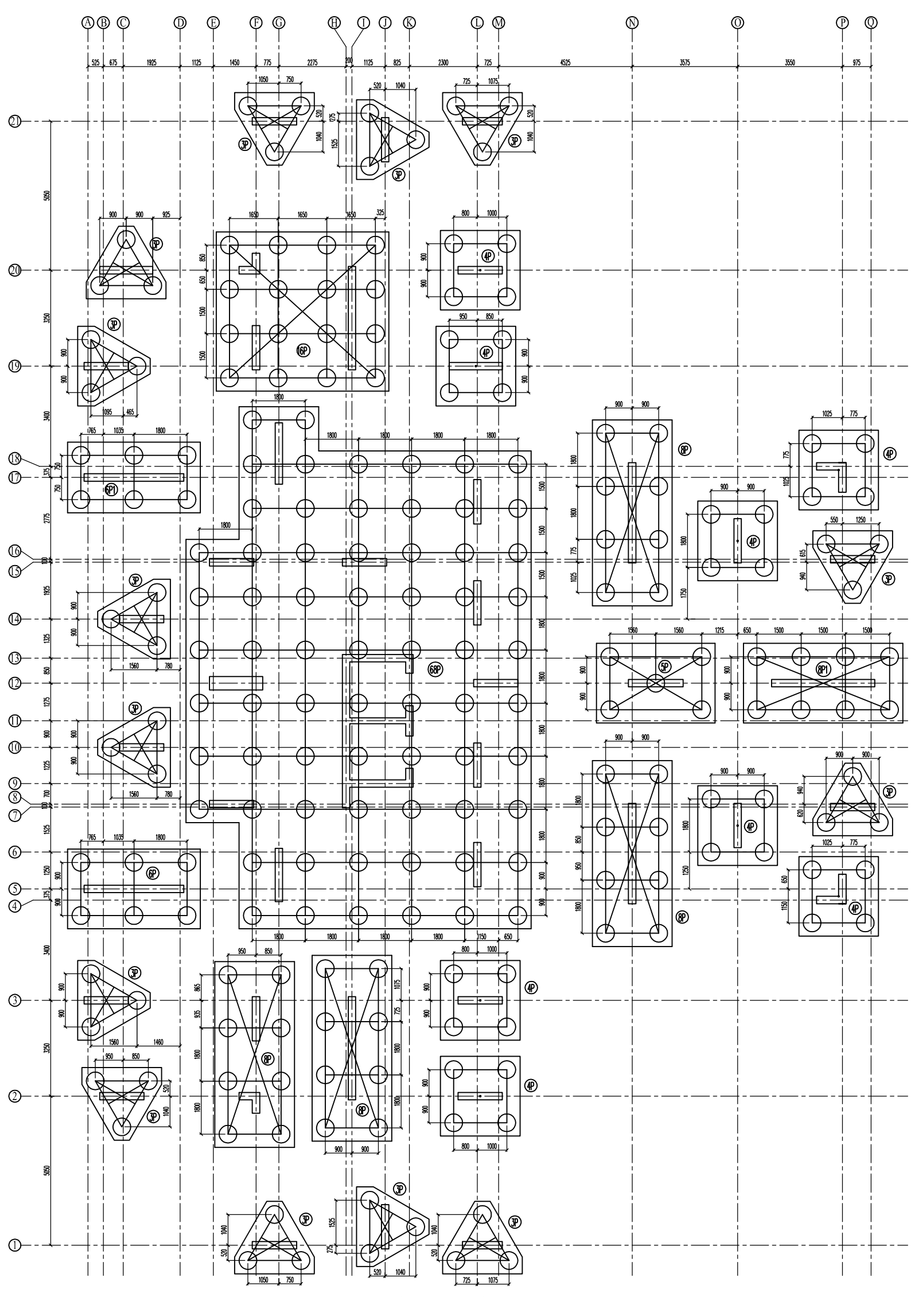
SECTION - B-B
UPTO 10m. FROM CUT OFF

PILE CAP SCHEDULE GRADE OF CONCRETE - M30, FE-500

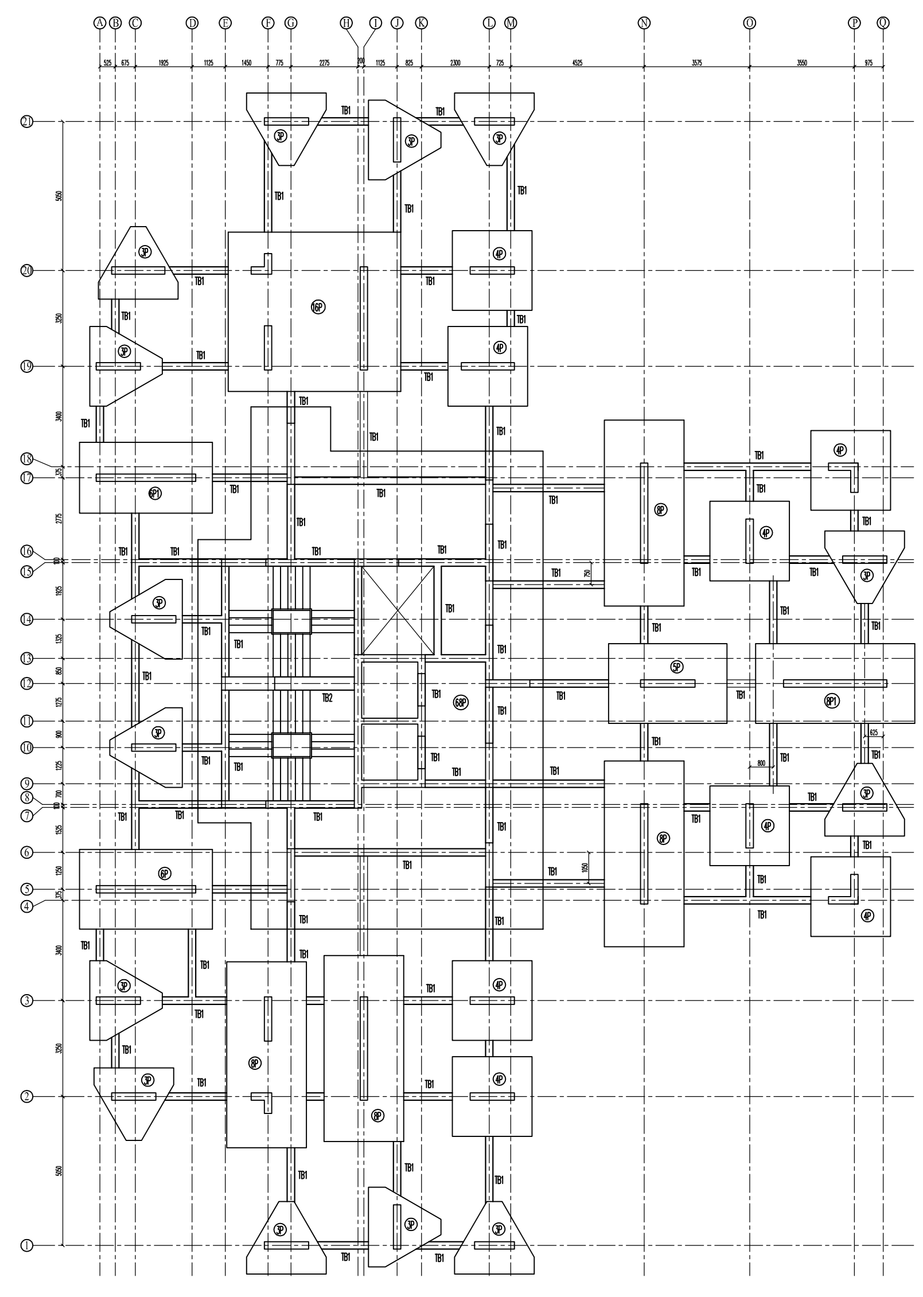
TYPE	SIZE	DEPTH	REINFORCMENT IN SHORTER DIRECTION		REINFORCMENT IN LONGER DIRECTION		SKIN REINF.
			TOP REINF.	BOTT. REINF.	TOP REINF.	BOTT. REINF.	
3P	AS SHOWN	1500	12 TOR @100 C/C	25 TOR @100 C/C	12 TOR @100 C/C	25 TOR @100 C/C	12 TOR @150 C/C
4P	AS SHOWN	1500	12 TOR @150 C/C	25 TOR @150 C/C	12 TOR @150 C/C	25 TOR @150 C/C	12 TOR @150 C/C
5P	AS SHOWN	1600	12 TOR @150 C/C	25 TOR @150 C/C	12 TOR @150 C/C	25 TOR @150 C/C	12 TOR @150 C/C
6P	AS SHOWN	1600	12 TOR @100 C/C	25 TOR @125 C/C	12 TOR @100 C/C	25 TOR @125 C/C	12 TOR @150 C/C
6P1	AS SHOWN	1600	12 TOR @125 C/C	25 TOR @125 C/C	12 TOR @125 C/C	25 TOR @125 C/C	12 TOR @150 C/C
8P	AS SHOWN	1800	16 TOR @100 C/C	25 TOR @100 C/C	16 TOR @100 C/C	25 TOR @100 C/C	12 TOR @150 C/C
8P1	AS SHOWN	1800	16 TOR @100 C/C	25 TOR @100 C/C	16 TOR @100 C/C	25 TOR @100 C/C	12 TOR @150 C/C
16P	AS SHOWN	2000	16 TOR @100 C/C	25 TOR @100 C/C	16 TOR @100 C/C	25 TOR @100 C/C	12 TOR @150 C/C
68P	AS SHOWN	2500	20 TOR @100 C/C	32 TOR @100 C/C	20 TOR @100 C/C	32 TOR @100 C/C	12 TOR @150 C/C

SCHEDULE OF COLUMN :- (FE 500)

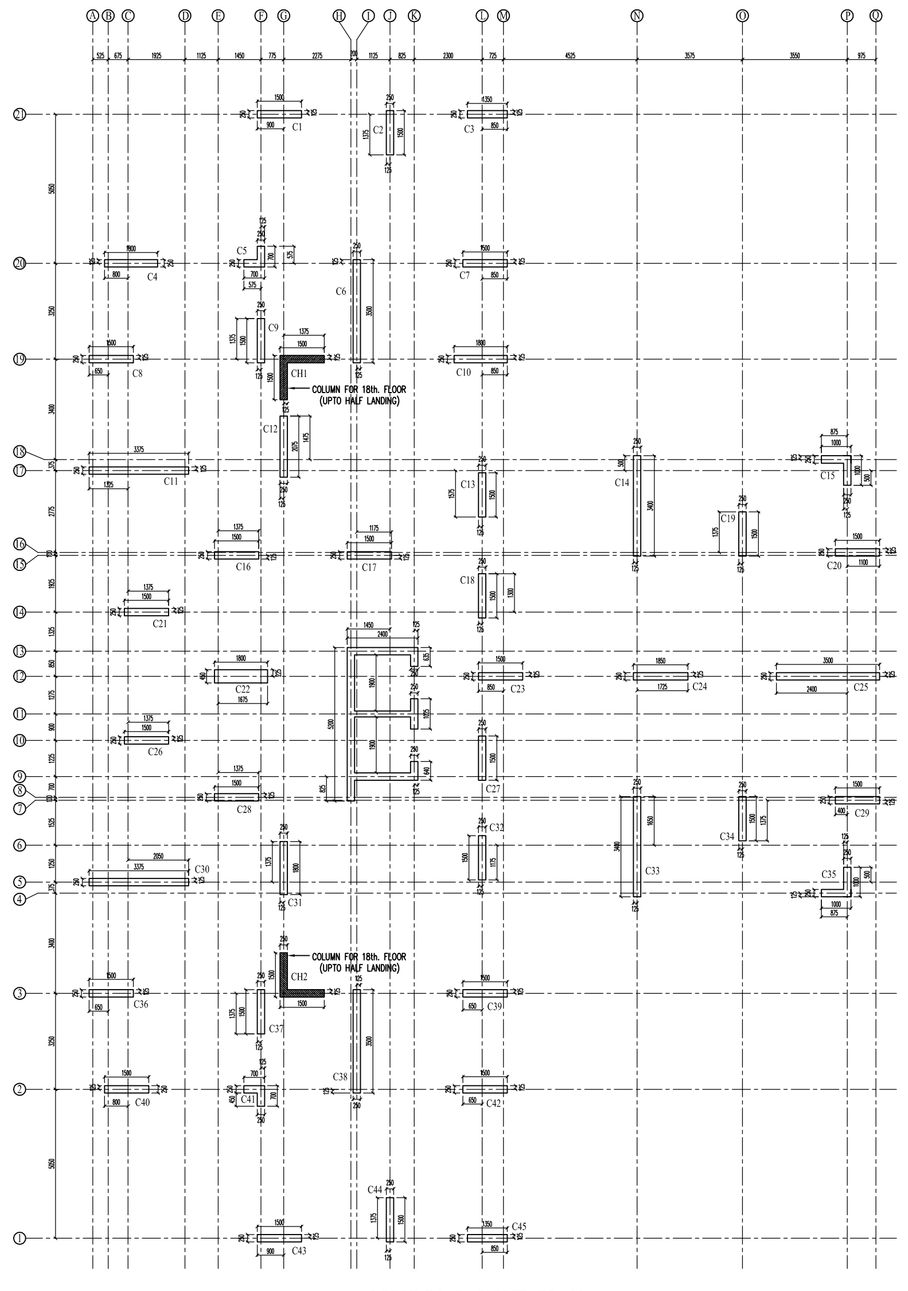
GR. OF CONCRETE.		M-40	STIRRUPS
COLUMN NOS.	SIZE (MMxMM)	GROUND TO ROOF	
C1	1500X250	16-20MT+8-16MT+2-12MT	8mm ø@300mm c/c for 3 spaced @ 100 mm c/c near junctions.
C2	1500X250	16-20MT+8-16MT+2-12MT	
C3	1350X250	8-20MT+14-16MT+2-12MT	
C4	1800X250	16-20MT+10-16MT+2-12MT	
C5	AS SHOWN	24-20MT+4-16MT+2-12MT	
C6	3500X250	40-20MT+14-16MT+2-12MT	
C7	1500X250	16-20MT+8-16MT+2-12MT	
C8	1500X250	16-20MT+8-16MT+2-12MT	
C9	1500X250	16-20MT+8-16MT+2-12MT	
C10	1800X250	16-20MT+8-16MT+2-12MT	
C11	3375X250	32-20MT+12-16MT+2-12MT	
C12	2075X250	16-20MT+8-16MT+2-12MT	
C13	1500X250	20-25MT+4-20MT+2-12MT	
C14	3400X250	40-25MT+10-16MT+2-12MT	
C15	AS SHOWN	24-20MT+4-16MT+2-12MT	
C16	1500X250	16-20MT+8-16MT+2-12MT	
C17	1500X250	24-20MT+2-12MT	
C18	1500X250	24-20MT+2-12MT	
C19	1500X250	16-20MT+8-16MT+2-12MT	
C20	1500X250	16-20MT+8-16MT+2-12MT	
C21	1500X250	16-20MT+8-16MT+2-12MT	
C22	1800X450	20-20MT+6-16MT+2-12MT	
C23	1500X250	16-20MT+8-16MT+2-12MT	
C24	1850X250	24-20MT+6-16MT+2-12MT	
C25	3500X250	32-20MT+10-16MT+2-12MT	
C26	1500X250	16-20MT+8-16MT+2-12MT	
C27	1500X250	16-20MT+8-16MT+2-12MT	
C28	1500X250	16-20MT+8-16MT+2-12MT	
C29	1500X250	16-20MT+8-16MT+2-12MT	
C30	3375X250	32-20MT+12-16MT+2-12MT	
C31	1800X250	16-20MT+8-16MT+2-12MT	
C32	1500X250	20-25MT+4-20MT+2-12MT	
C33	3400X250	40-25MT+10-16MT+2-12MT	
C34	1500X250	16-20MT+8-16MT+2-12MT	
C35	AS SHOWN	24-20MT+4-16MT+2-12MT	
C36	1500X250	16-20MT+8-16MT+2-12MT	
C37	1500X250	16-20MT+8-16MT+2-12MT	
C38	3500X250	40-20MT+14-16MT+2-12MT	
C39	1500X250	16-20MT+8-16MT+2-12MT	
C40	1500X250	16-20MT+10-16MT+2-12MT	
C41	AS SHOWN	24-20MT+4-16MT+2-12MT	
C42	1500X250	16-20MT+8-16MT+2-12MT	
C43	1500X250	16-20MT+8-16MT+2-12MT	
C44	1500X250	16-20MT+8-16MT+2-12MT	
C45	1350X250	8-20MT+14-16MT+2-12MT	



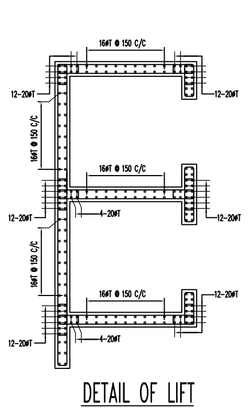
PILE CAP LAYOUT PLAN



PILE CAP & TIE BEAM LAYOUT PLAN



COLUMN LAYOUT PLAN



DETAIL OF LIFT
SCALE 1:25

SCHEDULE OF TIE BEAM (M30 AND FE 500)

MKD.	SIZE (MMxMM)	TOP		BOTT.		STIRRUPS (2 LEGGED)			
		ALTH.	EXTRA(T SUPT.)	ALTH	EXTRA(B SPAN)	AT SUPPORT		AT SPAN.	
TB1	250x600	2-20	1-25	2-25	1-20	8@ 100mm C/C	8@ 150mm C/C	8@ 100mm C/C	8@ 150mm C/C
TB2	450x600	2-20	1-25	2-25	1-20	8@ 100mm C/C	8@ 150mm C/C	8@ 100mm C/C	8@ 150mm C/C

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM.
2. ALL EXTERNAL WALLS 125 & 75 THK.
3. ALL MASONRY IN C/M (1:6) & (1:4).
4. EXTERNAL PLASTER 12MM. TH.WITH 1:4 MIX.
5. ALL CONC. GRADE

MRITTIKA BUILDERS PVT. LTD.& OTHERS.
OWNERS NAME

CERTIFICATE OF STRUCTURAL ENGINEER

CERTIFIED THAT, "THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS".

DIPANKAR BHOWMIK
B.E. M.I.E. F.I.V.
ENLISTMENT NO-ESE
91/RJPSON/ESE/2014-15
RAJPUR SONARPUR MUNICIPALITY
NAME OF STRUCTURAL ENGINEER.

CERTIFICATE OF ARCHITECT

THE E.B.A. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF WEST BENGAL MUNICIPAL BUILDING RULES 2007, AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFIRM WITH THE PLAN AND IT IS A BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

RAJ KUMAR AGARWAL
ADDRESS:
RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET (2nd FLOOR)
KOLKATA-700016
NAME OF ARCHITECT

ALOK ROY
NAME OF GEO - TECHNICAL ENGINEER

SANJEEV PAREKH
NAME OF STRUCTURAL REVIEWER

TITLE PLOT - 1 (BLOCK - 1)

FOUNDATION, COLUMN LAYOUT PLAN AND DETAILS

PROJECT

REVISED G+19 (60.00 MT. HT.) & G+14 (45.00 MT. HT.) STORIED RESIDENTIAL BUILDING COMPLEX AT HOLDING NO. 154 SCHOOL RD. R.S. DAG NO. 8, 9, 10, 20, 51, 52, 57 & 58, R.S. KHATIAN NO. 61, 2510, 52/18,2495, 60/2, MOUZA - RAJPUR, J.L. NO 55, WARD NO. 26; P.S. SONARPUR, DIST - 24PGS(S), UNDER RAJPUR SONARPUR MUNICIPALITY.
VIDE SANC. PLAN NO. 157/REV./CB/26/21; DT= 05/09/2016.

OWNERS NAME

I.MRITTIKA BUILDERS PVT. LTD.& OTHERS.

DATE	JOB. NO.	DEALT	CHECKED	SHEET NO
15.07.15	ARCH/2014/521	SOM/ANIMESH	ANIMESH	1 OF 5

SCALE 1:100

A R C H I T E C T

RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET, KOLKATA - 16

SCALE 1:100

Sanyalson Associates Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
KANJANGO PARK
P-157 KOLKATA-94

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