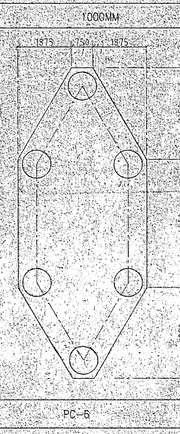
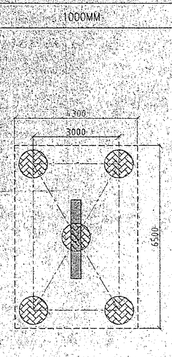
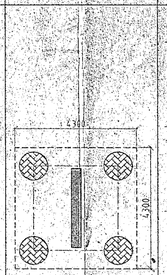
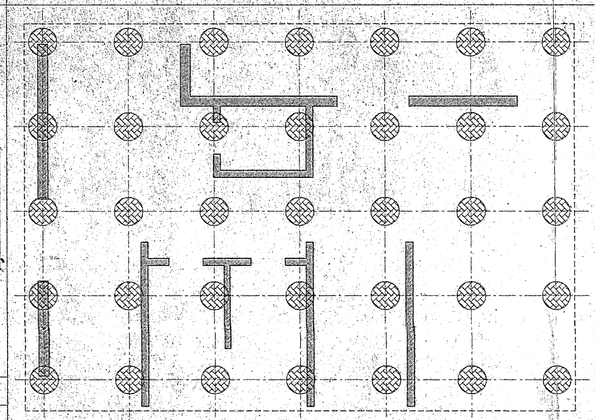
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

GRADE OF CONCRETE- M60 GRADE OF STEEL- Fe 500

COLUMN NO.	FOUNDATION TO 5TH FL		5TH FL TO 16TH FL		16TH FL TO 24TH FL		24TH FL TO ROOF		LINKS
	COL. SIZE	COL. REINF	COL. SIZE	COL. REINF	COL. SIZE	COL. REINF	COL. SIZE	COL. REINF	
C1,C2	350X2800	28-32T	350X2800	24-32T+ 4-25T	350X2800	24-25T+ 4-25T	350X2800	12-25T+ 12-20T	
C3,C10	350X2800	32-32T	350X2800	16-32T+ 16-25T	350X2800	32-25T	350X2800	16-25T+ 16-20T	
C5,C11	350X2925	36-32T	350X2925	16-32T+ 20-25T	350X2925	32-25T	350X2925	16-25T+ 16-20T	
C4	350X5500	52-25T	350X5500	52-25T	350X5500	52-20T	350X5500	32-20T	
C6,C12	350X2925	28-32T	350X2925	14-32T+ 14-25T	350X2925	28-25T	350X2925	14-25T+ 14-20T	
C8,C15	350X2800	32-32T	350X2800	16-32T+ 16-25T	350X2800	32-25T	350X2800	16-25T+ 16-20T	
C7,C14	350X1400	16-32T	350X1400	16-32T+ 20-25T	350X1400	32-25T	350X1400	16-25T+ 16-20T	
C9	350X3400	44-25T	350X3400	44-25T	350X3400	44-20T	350X3400	44-20T	
C13	3775X350	48-25T	3775X350	48-25T	3775X350	48-20T	3775X350	48-20T	
C16	250X5850	96-20T	250X5850	48-20T+ 48-16T	250X5850	96-16T	250X5850	96-16T	

ST @100C/C FOR 750 MM ABOVE FLOOR AND BELOW BEAM. REST- ST@250C/C

PILE CAP SCHEDULE

HORIZONTAL TIES	11T12	11T12	T12	11T12
TOP REINF.	T16@200C/C B/W	T12@200C/C B/W	T12@200C/C B/W	T25@140C/C B/W
BOTTOM REINF.	T25@140C/C B/W	T32@150C/C B/W	T25@125C/C B/W	T32@140C/C B/W
PILECAP THICKNESS	2000MM	2000MM	2000MM	2000MM
NO. OF PILES	6	5	4	32
PILE DIA	1000MM	1000MM	600MM	1000MM
SIZE				
TYPE	PC-6	PC-5	PC-4	PC-32

NOTES:-

1) THIS DRAWING IS TO BE READ WITH ARCHITECTURAL DRGS.
2) CONCRETE GRADE FOR
   PILE & PILECAP - M30
   COLUMN- AS MENTION IN SCHEDULE
3) STEEL TO BE USED TOR STEEL (Fe 500)
4) ALL DIMENSION ARE IN MM.
5) LAP LENGTH WILL BE 50 D.
6) CLEAR COVER :-
   PILE & PILECAP- 50MM.
   GRADE BEAM- 30MM.
7) CONC. BELOW WATER SHALL BE DONE USING TREMIE. CEMENT CONTENT SHALL NOT BE LESS THAN 400 Kg/CUM.

PARASMANI PROPERTIES PVT. LTD.
Director / Authorised Signatory

SHANSUD MARKETING PVT. LTD.
Director / Authorised Signatory

MANI SQUARE LIMITED
Director / Authorised Signatory

For Taniahaua Vinimay Pvt. Ltd.
Samudra Vyapar Pvt. Ltd.
Sa Niket Pvt. Ltd.
Elephantus Developers Pvt. Ltd.
Fresa Builders Pvt. Ltd.
Fresa Constructions Pvt. Ltd.
Historia Builders Pvt. Ltd.
Fresa Properties Pvt. Ltd.
(Director/Authorised Signatory)

For Mani Griha Nirman Pvt. Ltd.
Fresa Real Estate Pvt. Ltd.
Elephantus Projects Pvt. Ltd.
Fragum Real Estate Pvt. Ltd.
Fragum Projects Pvt. Ltd.
Goombuilt Construction Pvt. Ltd.
(Director/Authorised Signatory)

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER:-

THIS IS TO CERTIFY THAT "THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND 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 AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS".

SUMITA DEY
M.C.E, M.I.E., C.E.
ESE/I/93

SIGNATURE OF STRUCTURAL ENGINEER

CERTIFICATE OF ARCHITECT:-

THE L.B.A. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BLDG. RULES 2009, 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.

Rajkumar Agarwal
Architect
Member of Council of Architecture CA / 94 / 17940

SIGNATURE OF ARCHITECT

PROJECT:-

PROPOSED G+PARTLY XXIX & PARTLY XXXII STORIED RESIDENTIAL BUILDING U/S 394 OF THE KOLKATA MUNICIPAL CORPORATION ACT, 1980 IN ADDITION TO THE BUILDING SANCTIONED VIDE BUILDING PERMIT NOS. 2011030005 & 201403053 DATED 21.04.2011 & 04.09.2014 RESPECTIVELY AT PERMISES NO. 33A, CANAL CIRCULAR ROAD, KOLKATA-700054, WARD NO. 31, BOROUGH-III, P.S. MANICKTALA

TITLE:- BLOCK-B

PILE LAYOUT & DETAIL,PILECAP & COLUMN SCHEDULE

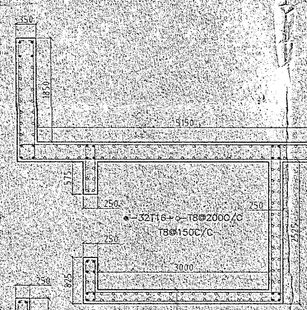
ARCHITECT

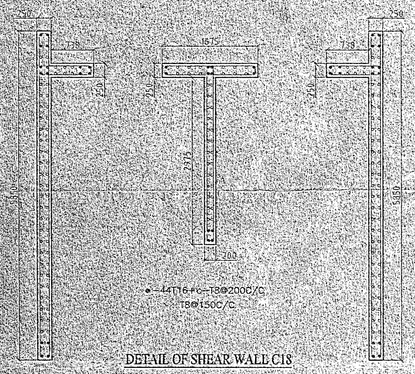
RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET, KOLKATA-16

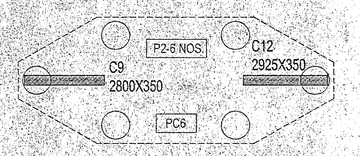
STRUCTURAL CONSULTANT :
SUMITA DEY
ESE / I / 93

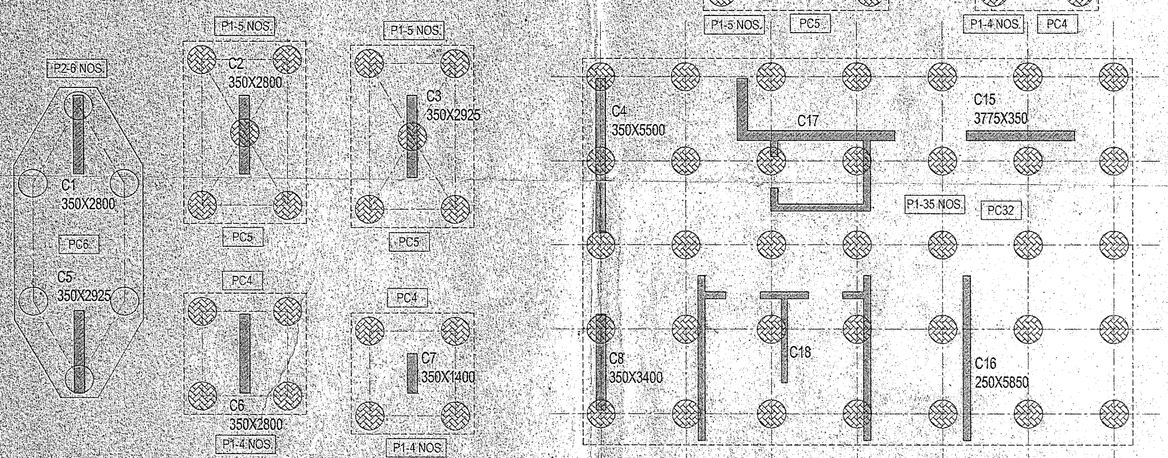
DRAWN BY- TATHAGATA	DRG NO.- S-01
CHKD. BY.- SUMITA DEY	
SCALE :-1:100	JOB NO:
	DATE :-27.11.14

N

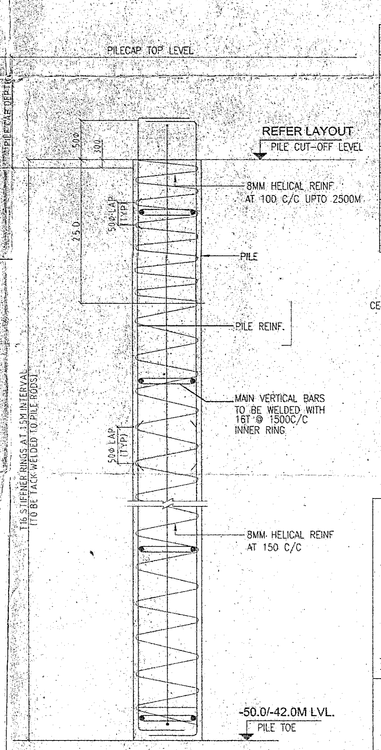








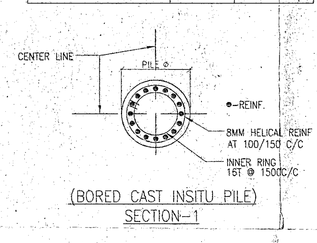
PILE AND PILECAP LAYOUT



TYPICAL PILE DETAILS FOR P1,P2 (1000Ø)

BORED CAST INSITU PILE

PILE TYPE	P1	P2
PILE DIA	1000	
MAIN REINFORCEMENT	18-T16	18-T16
HELICAL REINFORCEMENT	T8@100C/C	T8@150C/C
PILE VERTICAL CAPACITY	470 MT	360 MT
BORE DEPTH	50 M	42 M
NUMBER OF PILES	63	20



(BORED CAST INSITU PILE) SECTION-1

Rakesh Anand
RAKESH ANAND
K.M.C. E S E (I) 98
30, LAKE AVENUE-Kol-26
Consulting Engineer

SIGN. OF STRUCTURAL ENGINEER REVIEWER.

SHYAMAL KUMAR MITRA. B.E. (CIVIL)
GEO-TECHNICAL CONSULTANT
LICENSE NO. BM/GEO-TECH/17

SIGN. OF GEO-TECHNICAL ENGINEER.

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