PILE CAP SCHEDULE(BLOCK-1A,1B&1C)

GRADE OF CONCRETE - M25

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
P1	AS/DRG	850	16TOR@150 C/C (B) 12TOR@150 C/C (T)	12TOR@150 C/C (B) 12TOR@150 C/C (T)
P2	AS/DRG	900	16TOR@100 C/C (B) 12TOR@200 C/C (T)	12TOR@100 C/C (B) 12TOR@200 C/C (T)
P3	AS/DRG	1100	20TOR@100 C/C (B) 12TOR@200 C/C (T)	16TOR@200 C/C (B) 12TOR@200 C/C (T)
P4	AS/DRG	1200	16TOR@150 C/C (B) 12TOR@200 C/C (T)	16TOR@200 C/C (B) 12TOR@200 C/C (T)
P5	AS/DRG	1300	16TOR@125 C/C (B) 12TOR@175 C/C (T)	16TOR@150 C/C (B) 12TOR@175 C/C (T)
P6	AS/DRG	1400	25TOR@125 C/C (B) 16TOR@200 C/C (T)	20TOR@175 C/C (B) 12TOR@150 C/C (T)
P6A	AS/DRG	1500	25TOR@125 C/C (B) 16TOR@200 C/C (T)	20TOR@175 C/C (B) 12TOR@150 C/C (T)
P7,P7A	AS/DRG	1600	25TOR@125 C/C (B) 16TOR@200C/C (T)	20TOR@100 C/C (B) 16TOR@200C/C (T)
P8	AS/DRG	1200	16TOR@100 C/C (B) 12TOR@125C/C (T)	16TOR@100 C/C (B) 12TOR@125C/C (T)
P9,P9A & P9B	AS/DRG	1700	20TOR@100 C/C (B) 16TOR@125C/C (T)	20TOR@100 C/C (B) 16TOR@125C/C (T)
P9C,P9D	AS/DRG	1500	20TOR@150 C/C (B) 16TOR@200C/C (T)	20TOR@150 C/C (B) 16TOR@200C/C (T)
P10	AS/DRG	1600	20TOR@125 C/C (B) 16TOR@200C/C (T)	20TOR@125 C/C (B) 16TOR@200C/C (T)
P12 P12A P12B P12C	AS/DRG	1700	20TOR@125 C/C (B) 16TOR@175C/C (T)	20TOR@125 C/C (B) 16TOR@175C/C (T)
P14	AS/DRG	1900	20TOR@125 C/C (B) 16TOR@175C/C (T)	20TOR@125 C/C (B) 16TOR@175C/C (T)

PILE CAP SCHEDULE(BLOCK-1A,1B&1C)

GRADE OF CONCRETE - M25

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
P12D P12E	AS/DRG	1700	20TOR@100 C/C (B) 16TOR@100 C/C (T)	20TOR@100 C/C (B) 16TOR@100 C/C (T)
P23	AS/DRG	2150	25TOR@100 C/C (B) 16TOR@150 C/C (T)	32TOR@150 C/C (B) 16TOR@125 C/C (T)
P28	AS/DRG	2150	20TOR@100 C/C (B) 16TOR@150 C/C (T)	20TOR@100 C/C (B) 16TOR@150 C/C (T)
P30	AS/DRG	2150	20TOR@100 C/C (B) 16TOR@150 C/C (T)	20TOR@100 C/C (B) 16TOR@150 C/C (T)
L15	AS/DRG	1800	20TOR@125 C/C (B) 16TOR@175 C/C (T)	20TOR@125 C/C (B) 16TOR@175 C/C (T)
P7B	AS/DRG	1400	25TOR@175 C/C (B) 12TOR@150 C/C (T)	20TOR@175 C/C (B) 12TOR@150 C/C (T)
P4A	AS/DRG	1800	25TOR@100 C/C (B) 16TOR@150C/C (T)	25TOR@100 C/C (B) 16TOR@150C/C (T)
P4B	AS/DRG	1200	16TOR@100 C/C (B) 12TOR@150C/C (T)	16TOR@100 C/C (B) 12TOR@150C/C (T)

PILE LAYOUT
BLOCK - 1C

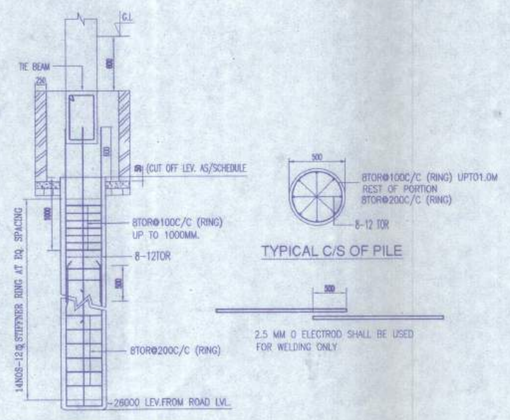
PILE LAYOUT
BLOCK -1A & 1B

PROPERTY LINE

CONCRETE GRADE M-25

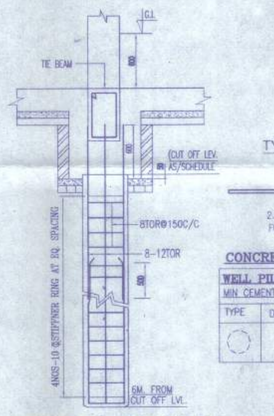
PILE SCHEDULE
MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³

TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
○	500	8-12TOR	95.0T



TYPICAL DETAIL OF PILE 500Ø

TYPICAL C/S OF PILE



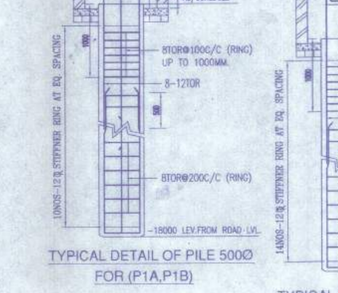
(TYPI.) DET. OF WELL PILE (P1C')

TYPICAL C/S OF WELL PILE

CONCRETE GRADE M-25

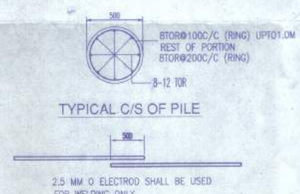
WELL PILE SCHEDULE FOR MACHNICL CAR PARK.
MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³

TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
○	500	8-12TOR	——



TYPICAL DETAIL OF PILE 500Ø FOR (P1A,P1B)

TYPICAL DETAIL OF PILE 500Ø

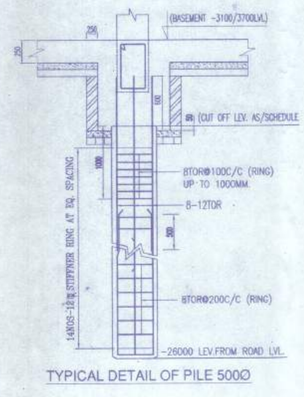


TYPICAL C/S OF PILE

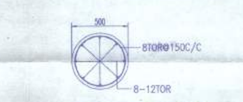
CONCRETE GRADE M-25

PILE SCHEDULE
MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³

TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
○	500	8-12TOR	95.0T



TYPICAL DETAIL OF PILE 500Ø



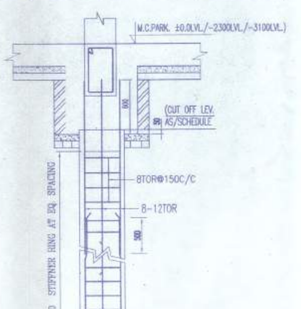
TYPICAL C/S OF WELL PILE

2.5 MM Ø ELECTROD SHALL BE USED FOR WELDING ONLY

CONCRETE GRADE M-25

WELL PILE SCHEDULE FOR MACHNICL CAR PARK.
MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³

TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
○	500	8-12TOR	——



(TYPI.) DET. OF WELL PILE AT M.C.PARKING LVL.(P1C)

NOTES:-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
3. ALL GRADE OF CONCRETE AS/SCHEDULE.
4. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
5. FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 Ø WHERE 'Ø' IS THE SMALLEST BAR DIA.
7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

	TOP	BOTTOM	SIDE
a. FOUNDATION / BEAM & SLAB	50	50	50
b. COLUMN			40
c. FLOOR BEAM	30	30	30
d. TIE BEAM	30	30	30
e. FLOOR SLAB	25	25	25

Madgul Developers Ltd.
Mayfair Gr... Pvt. Ltd.
Madgul M...
Happy V... ...ce (P) Ltd
Skyline ... Ltd.
Bell Gr... Ltd.
Evershine ... Ltd.
Eden ... Ltd.
Tulip ... Ltd.
Mahavir ... (P) Ltd.
Instyle ... Ltd.
Fairplace ... Ltd.
Exclusive ... (P) Ltd.
Tumbler ...
Suvarn Apt. ...
Shreeparmeshwar ... Ltd.
Lansdowne ...
Shreeparmeshwar ...

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.

SANJIV J. PAREKH
M.E.(STRUCT.),M.E.(CIVIL) LL.B.(GOLD MEDALIST)
B. C. E., FIE-(F-61826-4)
F. S. E. NO. 104 (I) K.M.C.

SIGNATURE OF STRUCTURAL ENGG.

SANJIB GUHA
BSC, BCE, FIE-(F-115654-5)
CHARTERED ENGINEER
ENLISTED STRUCTURAL
REVIEWER RR/16 K.M.C.

SIGNATURE OF STRUC.REVIEWER

ALOK ROY
Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
Class-I, No.- G.T./1/11
14, Milan Park.

SIGNATURE OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF ARCHITECT

I DO HERE BY CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER K.M.C. BUILDING RULE - 2009 AS AMENDED FROM TIME TO TIME THAT THE WIDTH OF THE ABUTTING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE NOT A TANK OR A FILLED UP TANK. THE SITE PLAN, LOCATION PLAN AGREES WITH THE SITE. THE PLOT IS DEMARCATED BY BOUNDARY WALLS & MEASUREMENTS TALLY WITH THE REGD. DEED PLAN.

JAY PRAKASH BHARAT KUMAR AGRAWAL
B. Arch., A.I.I.A.
Reg. No. CA / 85 / 10098
ARCHITECT SL. NO. - 32(A)

SIGNATURE OF ARCHITECT

PROJECT
PROPOSAL FOR OBTAINING THE SANCTION OF ADDITION & ALTERATION OF B+G+ XIII STORIED RESIDENTIAL BUILDING U/S 394 OF KMC ACT 1980 READ WITH U/R 26 (2a) ALONG WITH 59A(1)(c) OF KMC BUILDING RULES 2009 INCORPORATING ADDITION IN 1ST & 13TH FLOOR AT PREMISES NO. 24, DIAMOND HARBOUR ROAD, KOLKATA-700154, WARD -144, UNDER BOROUGH - XVI, P.S. THAKURPUKUR. (REF. B.S. PLAN NO. 2016160118 DATED: 29.06.2016).

TITLE
PILE LAYOUT, PILE DET. & PILE CAP DET.
(BLOCK- 1A, 1B & 1C)

ARCHITECTS
AGRAWAL & AGRAWAL
BARODA KOLKATA

STRUCTURAL ENGINEERS
S.P.A.CONSULTANTS
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DRAWN BY- A.S	CHECKED BY S.P	JOB NO. 2016/05/kkk/24/ 24,D.H.ROAD,(KOLKATA)
DATE- 14.12.16	SCALE : 1:100,25	DRG. NO. CS- 01