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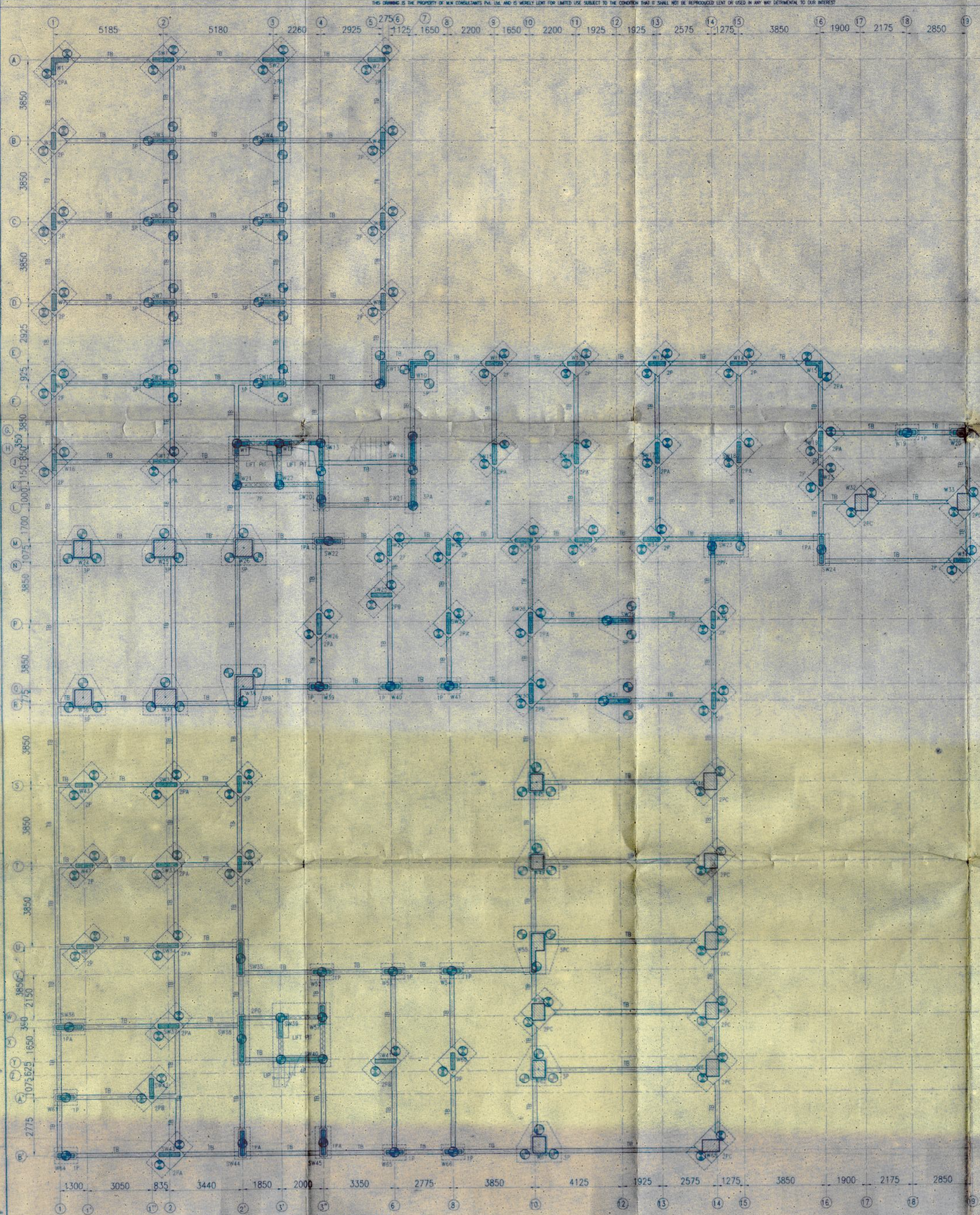

FOUNDATION LAYOUT PLAN
SCALE 1:100

DIA OF PILE	LEGEND OF PILE	CAPACITY	SHAFT LENGTH	NO. OF PILE	CUT OFF LEV.
450 ø		61 TON	23.0 M	221 NOS.	(-)2.0 M

NOTE : STRUCTURAL GENERAL ARRANGEMENT FOR SANCTION ONLY EXECUTION SHOULD BE AS PER WORKING DWG. WITH DETAILS OF INDIVIDUAL STRUCTURAL ELEMENTS.

SCHEDULE OF COLUMNS

ROOF LEV. TO 3RD. FLOOR	M-30 10-20T + 8-16T	M-30 10-20T + 8-16T	M-30 10-20T + 10-25T	M-30 4-20T + 20-16T	M-30 6-20T + 14-16T	M-30 4-20T + 16-16T	M-30 4-20T + 14-16T	M-30 8-20T + 16-16T	M-30 8-20T + 12-20T	M-30 10-20T + 8-16T	M-30 4-20T + 14-16T	M-30 18-20T	M-30 4-25T + 16-20T
TO 1ST. FLOOR	M-30 4-25T + 14-20T	M-30 10-20T + 8-16T	M-30 10-20T + 10-25T	M-30 8-20T + 16-20T	M-30 10-20T + 10-16T	M-30 12-20T + 8-16T	M-30 8-20T + 10-16T	M-30 12-20T + 12-16T	M-30 8-20T + 12-20T	M-30 4-25T + 14-20T	M-30 4-20T + 14-20T	M-30 8-20T + 10-20T	M-30 12-25T + 8-20T
TO FOUNDATION	M-30 18-25T	M-30 18-20T	M-30 20-25T	M-30 24-20T	M-30 20-20T	M-30 20-20T	M-30 18-20T	M-30 24-20T	M-30 20-20T	M-30 18-25T	M-30 18-20T	M-30 18-20T	M-30 20-25T
COL. SIZE	200x1000	200x1125	200x600/1150	200x1500	200x1200	200x1300	200x1150	200x1475/800	200x1275	200x1000	200x975	200x1000/400	200x2200
LEVEL / COL.MKD.	SW1,SW2,SW3,SW4, SW5,SW6,SW7,SW8, SW9,SW10.	SW11	SW13	SW14,SW35.	SW20,SW36, SW44,SW45.	SW21	SW22	SW23	SW24	SW12,SW15,SW16,SW17,SW18,SW19, SW26,SW27,SW28,SW29,SW31,SW32, SW33,SW34,SW37,SW43.	SW25,SW30, SW41,SW42.	SW39	SW38,SW40.

SCHEDULE OF COLUMNS

ROOF LEV. TO 3RD. FLOOR	M-30 10-20T + 8-16T	M-30 4-20T + 14-16T	M-30 12-20T	M-30 10-25T + 10-20T
TO 1ST. FLOOR	M-30 4-25T + 14-20T	M-30 4-20T + 14-20T	M-30 12-20T	M-30 20-25T
COL. SIZE	200x1000	200x975	200x800	200x800
LEVEL / COL.MKD.	TSW1,TSW2,TSW3, TSW4,TSW5,TSW7, TSW8	TSW6	TW1	TSW9

SCHEDULE OF COLUMNS

ROOF LEV. TO 3RD. FLOOR	M-30 10-25T+8-20T	M-30 6-25T + 14-20T	M-30 4-20T + 8-16T	M-30 10-25T + 10-20T	M-30 6-25T + 12-20T	M-30 10-20T + 8-25T	M-30 10-20T + 8-25T	M-30 6-16T + 10-20T	M-30 8-25T + 6-20T	M-30 10-25T + 8-20T	M-30 10-20T + 4-20T	M-30 10-16T	M-30 4-20T + 8-16T
TO 1ST. FLOOR	M-30 18-25T	M-30 10-25T + 10-20T	M-30 12-20T / 200x800	M-30 20-25T / 200x800	M-30 10-25T + 8-20T	M-30 10-20T + 8-25T / 1000X200	M-30 18-25T / 200X800	M-30 16-20T	M-30 8-25T + 6-20T	M-30 10-25T + 8-20T	M-30 14-20T	M-30 4-25T + 6-16T	M-30 12-20T
TO FOUNDATION	M-30 18-25T	M-30 20-25T	M-30 10-25T + 8-20T	M-30 20-25T	M-30 18-25T	M-30 18-25T	M-30 18-25T	M-30 16-20T	M-30 14-25T	M-30 18-25T	M-30 16-25T	M-30 10-25T	M-30 12-20T
COL. SIZE	200x800	200x800	600x800	800x800	200x800	1000X800	600X800	200x1000/400	200x600/600	200x800/800	200/600x1850/800	200x800	200x800
LEVEL / COL.MKD.	W2,W4,W6,W8,W11,W12,W13, W14,W19,W20,W34,W3,W5,W7, W9,W16,W52,W53,W54,W66,W60, W65,W57,W39,W61,W40,W64,W41, W27,W44,W35,W48,W21,W30.	W28,W42	W32,W33 W32 STOP AT 1ST FL. LEVEL	W24,W36,W26	W43,W47,W51,W29, W40,W31	W25,W37	W46,W50,W56, W59,W63,W68, W45,W49,W55, W58,W62,W67, W38.	W18	W17	W1,W10,W15.	W55	W22	W23

PILE INSTALLATION (BORED CAST-IN-SITU PILE)

1. ALL REINFORCEMENT IN PILE SHAFTS SHALL BE TMT BARS OF GRADE Fe 500 CONFORMING TO I.S. 1786-2008.
2. CONC MIX IN PILE SHALL BE M-25 WITH MINIMUM CEMENT CONTENT OF 400 Kg/CuM OF CONC. AND SLUMP OF CONC BETWEEN 150m.m.TO 180m.m.
3. CLEAR COVER TO REINF. PILE 50 m.m. (ROLLER TYPE COVER BLOCK TO BE USED).
4. POSITIONAL ECCENTRICITY OF ANY PILE MORE THAN 50mm FOR SINGLE PILE AND 75 m.m. FOR GROUP OF PILES SHALL NOT BE PERMITTED.
5. ALL LAP JOINTS SHALL BE 50 X D AND TACK WELDED. AS SHOWN IN FIG-1.
6. THE PILE HEADS SHALL PROJECT INTO PILE CAP FOR 75 mm THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA. AS PER FIG-2
7. CONTRACTOR SHALL NOTE THAT THE PILE CAPACITY, CUT OFF LEV., AND TERMINATION LEVELS SHOWN ARE TENTATIVE AND INDICATIVE ONLY. THIS MAY VARY AS PER SITE CONDITIONS.
8. DMC METHOD OF PILE BORING SHALL BE ADOPTED BY CIRCULATING BENTONITE SLURRY OF SP. GR. 1.1 TO 1.2 gm/cucm
9. FIELD CONSISTENCY TEST WITH S.P.T SHALL BE CONDUCTED TO ENSURE THE DESIRED S.P.T VALUE AT TERMINATION LEV. AS PER FOLLOWING FREQUENCY
   a). FROM 2.0M ABOVE THE TERM. LEV. FOR 1st. PILE &
   b). FROM 1.0M ABOVE THE TERM. LEV. FOR EVERY 10th. PILE THERE AFTER
10. PILE LOAD CAPACITIES (VERTICAL & LATERAL) SHOULD BE CONFIRMED BY INITIAL PILE LOAD TEST.

The structural analysis reports & soil reports are kept for reference in this office. The clearence is accorded subject to certificate of architect, Str. Engineer, Geo.-Tech Engineer.

District Engineer
(N) 24 Parganas Zilla Parishad

Approval Order No. 133/ ...
Date 6/7/2017
Valid up to 5/6/2022

SANCTIONED & APPROVED

Executive Officer
Rajarhat Panchayat Samity

CERTIFICATE OF THE STRUCTURAL ENGINEER

CERTIFIED THAT ALL THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING/BUILDINGS HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT, AS PER THESE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL PROBABLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFICATE THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

UTPAL SANTRA
B.C.E., M.C.E.(STRUCT.)
F.I.E. F1212601
KMC Empanelled Structural Engineer
Class I, E.S.E. No. 1/58

SIGNATURE OF THE STRUCTURAL ENGINEER

I HAVE REVIEWED / CHECKED THE STRUCTURAL DRAWING AND DESIGN DETAILS OF THIS PROJECT WHICH HAS BEEN DONE COMPLYING RELEVANT I.S. CODE INCLUDING SEISMIC AND THE NATIONAL BUILDING CODE.
I CERTIFY THAT THE STRUCTURE WILL BE SAFE & STABLE AGAINST ALL VERTICAL AND LATERAL LOADS AND WILL BE FIT FOR HABITABLE USE.

CHECKED & VETTED

DR. DIPANKAR CHAKRAVORTY
Professor, Civil Engineering Department,
Jadavpur University, Kolkata-700032
B.E. (J.U.) - Gold Medalist
M. Tech (IIT KGP) - Gold Medalist,
Pd.D. (IIT KGP)
R-24848457 • O - 24146943 • M - 9830188502

SIGN. OF STRUCTURAL REVIEWER

THIS IS TO CERTIFY THAT THE BUILDING PLAN HAS BEEN DRAWN UP WITH FULL RESPONSIBILITY AS PER PROVISIONS OF NEW TOWN, KOLKATA PLANNING AREA (BUILDING) RULES 2014 & AS AMENDED FROM TIME TO TIME & SITE CONDITION INCLUDING THE ABUTTING ROAD WIDTH CONFORM WITH THE PLAN & THAT IT IS A BUILDABLE SITE & NOT A TANK OR TANK FILLED LAND.

KAMAL KUMAR PERIWAL

SIGNATURE OF ARCHITECT

For Angarik Conclave Private Limited.
Ashtek Dealcom Private Limited.
Collate Conclave Private Limited.
Nabhoj Mercantile Private Limited.
Naidhura Vyapaar Private Limited.
Vetali Vintrade Private Limited.

(Director)

SIGNATURE OF OWNER

GENERAL NOTES:-
1. UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT(INDIAN) STANDARD CODES OF PRACTICE.
2. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METRE. EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
3. ALL STRUCTURAL DRAWING SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
4. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF DESIGN OFFICE BEFORE EXECUTION OF WORK.
5. STRUCTURAL CONCRETE.
A) UNLESS OTHERWISE SPECIFIED GRADE OF CONCRETE IN STRUCTURAL MEMBERS SHALL BE AS FOLLOWS.
i) FOOTINGS, FDN. ETC.-M25
ii) COLUMNS - AS SPECIFIED IN SCHEDULE.
iii) P.C.C. UNDER FOUNDATION-(1:4:8)
iv) SLAB-M30, BEAM-M30
REINFORCEMENT:
6. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT SHALL BE TMT BARS OF GRADE FE-500 (FOR DIA 12 & ABOVE) & FE-415 (FOR DIA 8 & 10) CONFIRMING TO IS-1786-1985 AND ELONGATION SHALL BE MINIMUM 14.5 PERCENT.
7. CLEAR COVER FOR ALL MAIN REINF SHALL BE
a)PILE CAP = 50 b) COLUMN = 40
c)FLOOR BEAM = 25 d)FLOOR SLAB = 20 e)STAIR = 20
8. UNLESS OTHERWISE STATED CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS.
(i) FDN. SLAB (TOP+BOT+SIDE) - 50 MM
(ii) COL.-40 M.M (TO EDGE OF STP.)
(iii) FOOTINGS - 50 MM

PROJECT
PROPOSED G+III STORIED RESIDENTIAL BUILDING OF DAG NO. - 806(P), 807(P), 808(P), 809(P), 810 & 811(P), L.R. KHATIAN NO. - 3174, 2944, 2945, 2946, 2947, 2948 J.L. NO. - 33, MOUZA - CHALKPACHURIA, P.S. - RAJARHAT, DIST. - 24 PGNS (N) FOR VETALI VINTRADE PVT. LTD., NAIDHURA VYAPAAR PVT. LTD., COLLATE CONCLAVE PVT. LTD., ANGARIK CONCLAVE PVT. LTD., ASHTEK DEALCOM PVT. LTD., NABHOJ MERCANTILE PVT. LTD.

DEVELOPER
SHEW PROJECTS LLP
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Drawing Title
FOUNDATION LAYOUT PLAN & SCHEDULE OF COLUMN

Scale	Date	JOB NO.
1:100	06.06.2017	1710

Drawn	Checked by	Approved by
RIYA		

Drawing No. C-00-S10-01-01