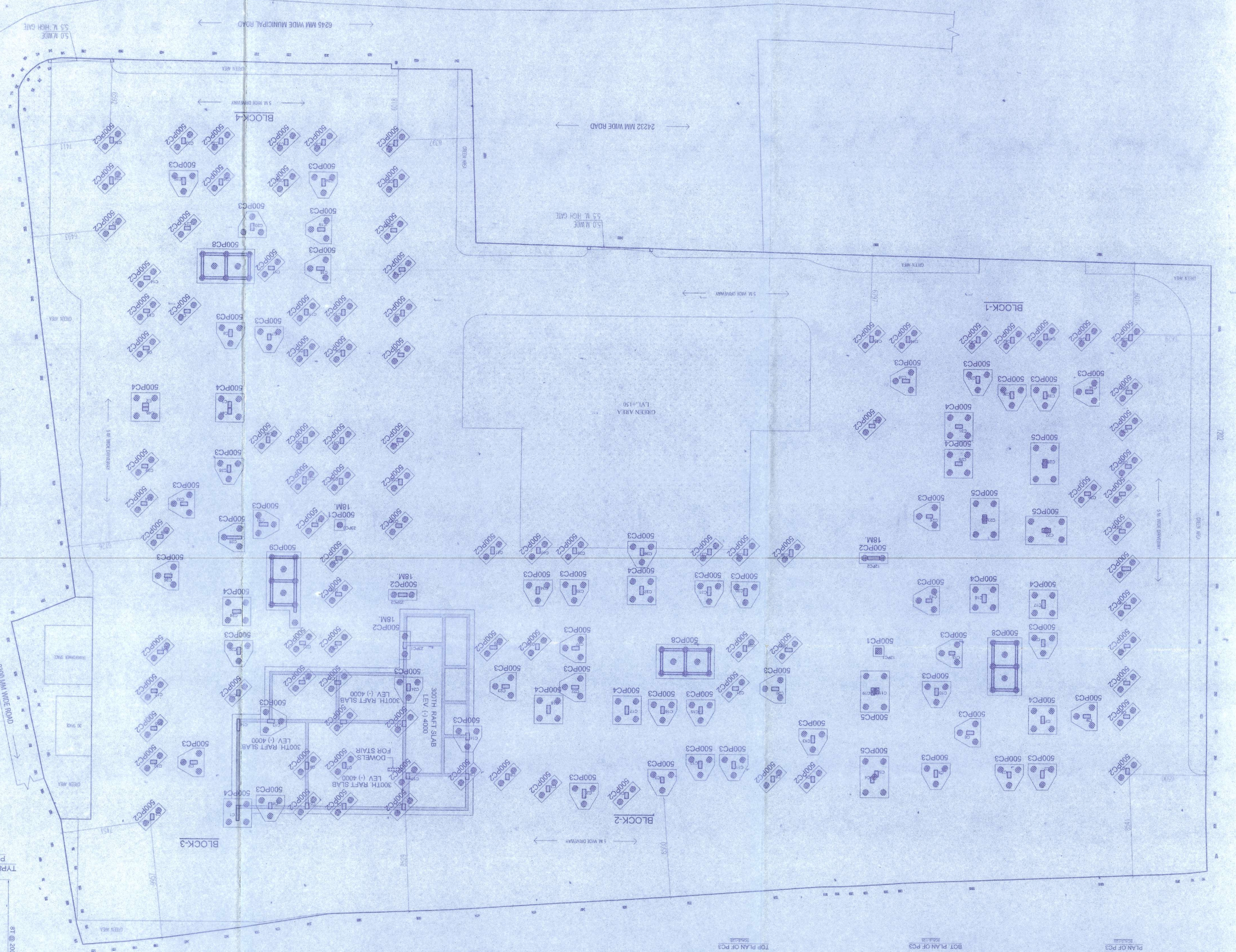
FOUNDATION LAYOUT PLAN



SCHEDULE OF PILE CAP (M-30)

PILE CAP MKD.	PILE CAP SIZE mmxmm	NO. OF PILE	DIA OF PILE	DEPTH	REINFORCEMENT AT BOT		REINFORCEMENT AT TOP		SKIN REINFORCE ALONG DEPTH	LINK FOR PILE CAP
					LONGER DIR.	SHORTER DIR.	LONGER DIR.	SHORTER DIR.		
PC1	900X900	1	500	800	7-16T@	——	4-12T@	——	12T@ 150 C/C	10T@4-L @ 150 C/C
PC2	2400X900	2	500	800	7-20T@		4-12T@		12T@ 150 C/C	10T@4-L @ 170 C/C.
PC3	2200X2400	3	500	900	20T@ 100 C/C	20T@ 150 C/C	12T@ 150 C/C	12T@ 300 C/C	12T@ 150 C/C	10T@4-L @ 200 X 300 C/C
PC4	2400X2400	4	500	900	16T@ 150 C/C	16T@ 150 C/C	12T@ 300 C/C	12T@ 200 C/C	12T@ 150 C/C	10T@4-L @ 300 C/C
PC5	2400X3400	5	500	1000	20T@ 100 C/C	16T@ 100 C/C	12T@ 200 C/C	12T@ 200 C/C	12T@ 150 C/C	10T@4-L @ 200X200 C/C
PC6	2900X4900	8	500	900	16T@ 150 C/C	16T@ 150 C/C	16T@ 300 C/C	16T@ 300 C/C	12T@ 150 C/C	10T@4-L @ 300X300 C/C
(FOR LIFT)	AS PER DRAWING	9	500	900	16T@ 150 C/C	16T@ 150 C/C	16T@ 300 C/C	16T@ 300 C/C	12T@ 150 C/C	10T@4-L @ 300X300 C/C
(FOR LIFT)										

NOTES :-

1) ALL DIAMETERS ARE IN MILLIMETERS.
2) GRADE OF CONC. : ALL DESIGN MIX
i. PILE :- M-25, WITH MINIMUM CEMENT CONTENT @ 400 Kg/CUM OF CONC.
ii. PILE CAP :- M-30.
iii. COLUMN & LIFT :- AS PER SCHEDULE.
iv. REST ALL :- M-30. OR. ROOF TO ROOF.
3) P.C.C SHALL BE NOMINAL M20 AS PER IS: 456 - 2000.
4) TOR STEEL REINFORCEMENT SHALL CONFORM TO LATEST IS: 1786 - 1986 CODES WITH YIELD STRESS 500 MPa.
5) CLEAR COVER TO MAIN REINFORCEMENT SHALL BE
AS FOLLOWS:-
a) PILE - 40 MM ALL SIDES FROM OUTERMOST MAIN BAR
b) PILE CAP - 50 MM ALL SIDES FROM OUTERMOST MAIN BAR.
c) COLUMN - 40 MM ALL SIDES FROM OUTERMOST MAIN BAR.
d) TIE BEAM - 30 MM ALL SIDES FROM OUTERMOST MAIN BAR.
e) FLOOR BEAM - 30 MM ALL SIDES FROM OUTERMOST MAIN BAR.
f) SLAB - 20 MM ALL SIDES FROM OUTERMOST MAIN BAR.
g) WAIST SLAB - 20 MM ALL SIDES FROM OUTERMOST MAIN BAR.
6) MINIMUM LAPLENGTH -
FOR PILE - 40 Ø WITH 3 SETS LAP WELDING IN BOTH SIDES FOR A LENGTH OF 25MM
FOR REST - 60 Ø OF THE BAR.
7) CAPACITY OF PILE :-
AS PER THE SOIL INVESTIGATION REPORT PREPARED BY M/S CTRIC TESTING & RESEARCH MADHYAMGRAM, 24 PGS (S) WB.
8) POSITIONAL ECCENTRICITY OF ANY PILE NOT BE THAN 50mm, FOR SINGLE PILE, AND 75 mm. FOR GROUP OF PILES SHALL NOT BE PERMITTED.
9) THE PILE HEADS SHALL PROJECT IN TO PILE CAP FOR 50 mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
10) ALL TIES TO BE SPOT WELDED WITH VERTICAL REINFORCEMENT.
11) BORING OF PILE :-
i. BORING MAY BE DONE WITH AUGAR METHOD CONSIDERING SUB - SOIL STRATA & DEPTH OF PILE.
ii. FOR PLACING OF CONCRETE IN PILE BORES, A FUNNEL SHOULD BE USED AND METHOD OF CONCRETING SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE SHAFT IS FILLED UP WITHOUT THE FORMATION OF VOIDS OR MIXING OF SOIL AND DRILLING FLUID WITHIN CONCRETE.
12) VERTICAL LOAD TESTING OF PILE SHOULD CONFIRM IS-2911 (PART-4).
13) NCD BORED CAST IN SITU PILE SHOULD CONFIRM IS-2911 (PART-1, SEC-II)
14) EXT. TOP & BOTT.
FLOOR BEAM- i) EXT. TOP TO BE PROVIDED LT-4 FROM SUPPORT.
ii) EXT. BOTT. TO BE EXTENDED L/5 FROM SUPPORT.
SLAB - i) EXT. TOP TO BE PROVIDED IN ALL SUPPORTS FOR A LENGTH OF L/4 FROM SUPPORT
15) ALL DRAWINGS SHALL BE CORRELATED WITH ARCHITECTURAL DRAWINGS & ANY DISCREPANCY SHALL BE BROUGHT TO NOTICE OF THE ENGINEER BEFORE EXECUTION
16) THIS DRAWING TO BE READ ALONGWITH SPECIFICATIONS & ALL REFERENCE DRAWING.
17) ALL THE WORKS SHALL BE DONE AS PER RELEVANT IS CODE PERTAINING TO WORK
18) CONTRACTOR MUST VERIFY ALL DIMENSION AT SITE BEFORE EXECUTION OF WORK.
19) DESIGN IS BASED ON AS PER IS-456, IS-875,SP16, IS-1893 & IS-2911
20) STRUCTURAL DESIGN IS DONE FOR ALL BLOCKS (G+VIII) STORIED BUILDING ONLY.
21) SEISMIC ZONE CONSIDERED FOR DESIGN AS ZONE-III & SURF.

CERTIFICATE OF GEO-TECHNICAL ENGINEER

I/WE DO HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR CONSTRUCTION ON PLOT NO - 36 STREET-I2 NO. COLONY, WARD NO.-36 UNDER THE JURISDICTION OF MADHYAMGRAM MUNICIPALITY / NOTIFIED AREA AUTHORITY / INDUSTRIAL TOWNSHIP AUTHORITY HAS BEEN VISITED BY ME/US AND ALL THE DESIGNS, DRAWING, SOIL TEST REPORT AND LOAD TEST RESULTS FOR FOUNDATION & STRUCTURE HAVE BEEN DULY CONSIDERED TO CONFORMING TO STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE. AND IT IS FOUND THAT EVERYTHING IS COMPLETELY IN ORDER AND THE PROPOSED FOUNDATION AND SUPERSTRUCTURE ARE ALL SAFE IN ALL RESPECT.

PROJECT:-

PROPOSED PLAN OF G+VIII STORIED RESIDENTIAL BUILDING OWNED BY BENGAL IDEAL HOME MAKERS & ASSOCIATES PVT. LTD. & ORS
DIRECTOR:- SUSANTA SUR ROY, SIMA SUR ROY, SUPRAVO SUR ROY & PROPOSAL FOR M/S. TARAMOYEE CONSTRUCTION AT CORRESPONDING TO MOUZA – GAUCHAMAR, L.L. NO – 69, R.S./L.R. DAG NO.- 350,351,[illegible], L.R. HAITAN VIAD NO.-26, HOLDING NO. – 36, (ID-29869), 2ND COLONY, P.S – NABANNAPUR, DISTRICT– NORTH 24 PGS. UNDER MADHYAMGRAM MUNICIPALITY.

TITLE : SANCTION DRAWING (STRUCTURE)

JOB NO. : 01/2023-2024

DRAWN BY : KARTICK

DRG. NO. : EF/S/01

SCALE : 1:100, 1:25.

DATE : 12.06.2023

CERTIFICATE OF OWNER

I/WE HEREBY CERTIFY THAT I HAVE GONE THROUGH THE RULES FOR 6AH AS AT MUNICIPALITY AND ALSO UNDER TAKE TO ABIDE BY THOSE RULES DUBING & AFTER THE CONSTRUCTION OF THE BUILDING.

Rajkumar Kumar Ruidas
B.E. (C.E.), M.I.E., M.I.S.
CHARTERED ENGINEER
STRUCTURAL ENGINEER
(M) 9830146469

ARCHITECT:

C.A. CONSTRUCTION
(A GROUP OF CIVIL ENGINEERS)
ARCHITECTURAL CIVIL & STRUCTURAL CONSULTANCY
NEAR MADHYAMGRAM MUNICIPAL MARKET COMPLEX
PH. 033-2534 4069 (OFF)
KOLKATA-700129

CERTIFICATE OF STRUCTURAL CONSULTANT

STRUCTURAL CONSULTANT
ENGINEERS FORUM
60/40/1, H. P. DUTTA LANE (GOLF GARDEN)
KOLKATA -33.
PHONE : 3556-7944 / 9874561607
email : engg_forum2005@yahoo.co.in

Sudipta Sikdar Ray

I/WE HEREBY CERTIFY THAT THE FOUDATION & SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PLOT NO. - 36 STREET-I2 NO COLONY, WARD NO.-26 UNDER THE JURISDICTION OF MADHYAMGRAM MUNICIPALITY / NOTIFIED AREA AUTHORITY / INDUSTRIAL TOWNSHIP AUTHORITY HAVE BEEN PERSONALLY INSPECTED AND SO DESIGNED BY ME/US WE MADE SUCH FOUNDATION & SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL & OTHER CONDITIONS IF ANY. COMPORMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

Sudipta Sikdar Ray
Managing Director

POROSHMOR BEALOON PVT LTD.

Sanjoy Sikdar
Director

TARAMOYEE CONSTRUCTION

Sanjoy Sikdar
Partner

Sudipta Sikdar Ray
Structural Engineer
CA Registration Number
CA/084/08224

CERTIFICATE OF STRUCTURAL REVIEWER

I/WE DO HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR CONSTRUCTION ON PLOT NO. - 36 STREET-I2 NO. COLONY, WARD NO -26 UNDER THE JURISDICTION OF MADHYAMGRAM MUNICIPALITY / NOTIFIED AREA AUTHORITY / INDUSTRIAL TOWNSHIP AUTHORITY HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL (BUILDING) RULES 2007. THIS IS ALSO TO CERTIFY THAT ALL RELEVANT OBJECTION CERTIFICATE FROM THE RESPECTIVE AUTHORITIES CONTROL BOARD TELECOMMUNICATION DEPARTMENT ETC AS APPLICABLE IN THIS REGARD, SUCH AS FIRE & EMERGENCY SERVICES DEPARTMENT AIRPORT AUTHORITY, POLLUTION ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEEKING APPROVAL OF THE PLAN TO CONSTRUCT/RECONSTRUCT / ADDITION TO / ALTERATION OF THE BUILDING ON THE SAID PLOT

Kajal Kumar Chatterjee
B.E. M.I.E.
STRUCTURAL ENGINEER
ESE No. 2009

CERTIFICATE OF ARCHITECT

I/WE DO HEREBY CERTIFY THAT PLANS, ELEVATION, & SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON PLOT NO. - 36 STREET-I2 NO COLONY, WARD NO.-26 UNDER THE JURISDICTION OF MADHYAMGRAM MUNICIPALITY / NOTIFIED AREA AUTHORITY / INDUSTRIAL TOWNSHIP AUTHORITY HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL (BUILDING) RULES 2007. THIS IS ALSO TO CERTIFY THAT ALL RELEVANT OBJECTION CERTIFICATE FROM THE RESPECTIVE AUTHORITIES SUCH AS FIRE & EMERGENCY SERVICES DEPARTMENT AIRPORT AUTHORITY, POLLUTION CONTROL BOARD TELECOMMUNICATION DEPARTMENT ETC AS APPLICABLE IN THIS REGARD, ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEEKING APPROVAL OF THE PLAN TO CONSTRUCT/RECONSTRUCT / ADDITION TO / ALTERATION OF THE BUILDING ON THE SAID PLOT

Sudipta Sikdar Ray
Structural Engineer
CA Registration Number
CA/084/08224

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