

FOUNDATION LAYOUT WITH R.C.C. PILE (BLOCK-2)

SCALE - 1:100

PILE SCHEDULE (GRADE OF CONCRETE-M25)(BLOCK-1)

PILE MKD	INDICATED BY	DIAMETER	TERMINATION DEPTH	REINFORCEMENT	CAPACITY
P1	○	450 MM	20.0 M	4-16Ø+4-12Ø	34.4 TON
P2	○	500 MM	20.0 M	3-16Ø	38.7 TON

PILE CAP SCHEDULE (GRADE OF CONCRETE-M25)

PILE CAP MKD	NO. OF PILE WITH/DIA	OVERALL DEPTH (D)	LENGTH	BREADTH	REINFORCEMENT	REINFORCEMENT
					TOP (P)	BOTTOM (B)
PC1	2-500Ø	1000	2900	800	12MM DIA @ 150CC (bottom)	12MM DIA @ 150CC (bottom)
PC2	3-450Ø	1000	2100	750, 3450	12MM DIA @ 150CC (bottom)	18MM DIA @ 150CC (bottom)
PC3	3-500Ø	1000	2900	800, 2099	12MM DIA @ 150CC (bottom)	18MM DIA @ 150CC (bottom)
PC4	4-450Ø	1000	2100	2100	18MM DIA @ 150CC (bottom)	18MM DIA @ 150CC (bottom)
PC5	4-500Ø	1000	2900	2300	18MM DIA @ 150CC (bottom)	18MM DIA @ 150CC (bottom)
PC6	5-450Ø	1000	2100	3088	18MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)
PC7	5-450Ø	1000	750, 3450	3650	18MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)
PC8	5-500Ø	1000	2300	3650	18MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)
PC9	5-500Ø	1000	800, 3800	800, 3800	18MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)
PC10	6-500Ø	1000	2300	3800	20MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)
PC11	4-500Ø + 4-450Ø	1000	2300	4700	20MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)
PC12	14-500Ø	1000	800, 3300	4550, 7050	20MM DIA @ 150CC (bottom)	20MM DIA @ 150CC (bottom)

COLUIMN SCHEDULE (GRADE OF CONCRETE-M30)

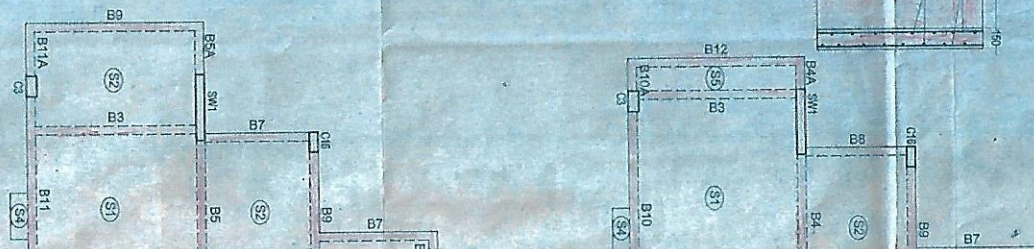
6TH FL. TO ROOF	6-16 MM + 6-12 MM	6-16 MM + 6-12 MM	6-16 MM + 6-12 MM	6-16 MM + 8-12 MM	6-16 MM + 8-12 MM	6-16 MM + 10-12 MM	120MM @ 150CC (both faces of shear wall)
4TH FL. TO 6TH FL.	10-16 MM	12-16 MM	12-16 MM	14-16 MM	14-16 MM	12-16 MM	160MM @ 150CC (both faces of shear wall)
2nd FL. TO 4TH FL.	6-20 MM + 4-16 MM	6-20 MM + 6-16 MM	6-20 MM + 6-16 MM	6-25 MM + 6-16 MM	6-25 MM + 6-16 MM	10-20 MM + 10-16 MM	200MM @ 150CC (both faces of shear wall)
FOUNDATION TO 2nd FL.	4-25 MM + 6-20 MM	4-25 MM + 8-20 MM	4-25 MM + 8-20 MM	6-25 MM + 8-20 MM	6-25 MM + 8-20 MM	20-25 MM	250MM @ 150CC (both faces of shear wall)
SIZE	(250X500)	(250X600)	(300X600)	(250X700)	(300X700)	(300X800)	(250X1925)
COLUIMN MKD	C14, C24, C32	C6, C7, C3	C2, C3, C9	C1, C16, C25	C1, C5, C15	C10, C20, C23	SW-1
	C16, C31		C28, C39	C19, C21, C22	C27		SW-2, SW-3
							SW-4

FLOOR BEAM SCHEDULE (CONC. GR-M25)

BEAM MKD	BEAM SIZE	SUPPORT TOP	REINFORCEMENT TOP	REINFORCEMENT BOTTOM	STAIRCASE
B17	(250X500)	2-16Ø	2-8Ø	2-16Ø	2-16Ø @ 150 c/c
B23	(250X500)	5-16Ø	2-16Ø	2-16Ø	2-16Ø @ 150 c/c
B39	(250X500)	4-16Ø	2-16Ø	2-16Ø	2-16Ø @ 150 c/c
B410	(250X500)	5-16Ø	2-16Ø	2-16Ø	2-16Ø @ 150 c/c
B410A	(250X500)	5-16Ø	1-16Ø	3-16Ø	4-16Ø @ 150 c/c
B511A	(250X500)	2-16Ø + 2-8Ø	3-20Ø	3-16Ø	4-16Ø @ 150 c/c
B511A	(250X500)	3-20Ø	3-20Ø	3-20Ø	4-16Ø @ 150 c/c
B612	(250X500)	2-16Ø + 1-12Ø	1-16Ø	3-16Ø	4-16Ø @ 150 c/c

TYP. FLOOR SLAB SCHEDULE (CONCRETE GR-M25)

SLAB MKD	SLAB THICK	ALONG SHORTER SIDE	REINFORCEMENT	ALONG LONGER SIDE
S1	150	12mm @ 150cc (top supp) / 10mm @ 150cc (bottom)	12mm @ 150cc (top supp) / 10mm @ 150cc (bottom)	12mm @ 150cc (top supp) / 10mm @ 150cc (bottom)
S2	125	8mm @ 125cc (top supp) / 8mm @ 125cc (bottom)	8mm @ 150cc (top supp) / 8mm @ 150cc (bottom)	8mm @ 150cc (top supp) / 8mm @ 150cc (bottom)
S3	100	8mm @ 150cc (top supp) / 8mm @ 150cc (bottom)	8mm @ 170 c/c (top supp) / 8mm @ 150cc (bottom)	8mm @ 150cc (top supp) / 8mm @ 150cc (bottom)
S4	125	10mm @ 125cc (top) / 8mm @ 200cc (bottom)	8mm @ 125cc (top) / 8mm @ 200cc (bottom)	8mm @ 200cc (top) / 8mm @ 200cc (bottom)
S5	100	8mm @ 200cc (bottom)	8mm @ 200cc (bottom)	8mm @ 200cc (bottom)



FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS AS PER SUB-SOIL INVESTIGATION REPORT EXECUTED BY:

TUSHABRATAN PAHARI
 M.E. (STRUCTURE), AMIE
 MEMBER OF THE INDIAN GEOTECHNICAL SOCIETY
 CHARTERED ENGINEER
 Empowered Structural Engineer of the Kolkata Municipal Corporation and H.O.C.C (New Town) "NEW TECHNOMA (INDIA)"
 2 CHANDIGARH MAIN ROAD, MADHYAMGRAM KOLKATA-700130
 CITY OFFICE
 B-3 METROPOLITAN CO-OPERATIVE HOUSING SOCIETY LTD.
 KOLKATA-700039
 Mob No. 988339881 4 31 50564855

DRAWING TITLE - STRUCTURAL DETAIL S (BLOCK-2)
PROJECT
 PROPOSED G+111 STORED RESIDENTIAL BUILDING OF A PIECE OF LAND OF SRI PROSANTA GH. DAS & OTHERS, AT MOUZA- SHYAMNAGAR NOW KRISHNAPUR, IN.O.S. DAG NO.- 961 TO 966 C.S. KHATTIAN NO.-28 IN RESPECT OF MUNICIPAL HOLDING NO.- 72 GOURI NATH SHASTRI SARANI, J.L. NO.-3220, WARD NO.- 27, UNDER SOUTH DUM DUM MUNICIPALITY, P.S.-DUMDUM, DISTRICT - 24 PARAGANAS (N).

SPECIFICATIONS:-

1. THE STRUCTURE IS DESIGNED AS A CONTINUOUS FRAME AND IN LIMIT STATE METHOD.
2. ALL CONCRETE SHALL BE M20 AND CHARACTERISTIC STRENGTH OF STEEL SHALL BE 500 N/SQ. MM.
3. ALL BRICKWORK SHALL BE WITH FIRST CLASS BRICKS IN CEMENT SAND MORTAR - 14.
4. ALL DIMENSIONS ARE IN MM.
5. THIS DRAWING IS TO BE READ ALONGWITH THE RELEVANT ARCHITECTURAL DRAWINGS.

CERTIFICATION OF OWNER
 I/WE ALSO UNDERTAKE TO REPORT THAT THERE IS NO COURT CASE COMPAN FROM ANY CORNER OF MINDOR PROPERTY AS PER PLAN WERE HERE BY DECIDED THAT WE WILL REPAIR / RECONSTRUCT IF ANY DAMAGE CAUSED TO THE EXISTING DRAIN WHILE CONSTRUCTION, FURTHER THERE IS NO TENANT IN THE ABOVE SAID PREMISES. S/D.M. WILL NOT BE LIABLE FOR ANY TYPE OF DISPUTE IF ARISES IN FUTURE.

KALPATARU HEIGHTS
 Rajdeep Ghosh, *Rajdeep Ghosh* Partner
 Manojjit Halder, *Manojjit Halder* Partner
 Signature of OWNER

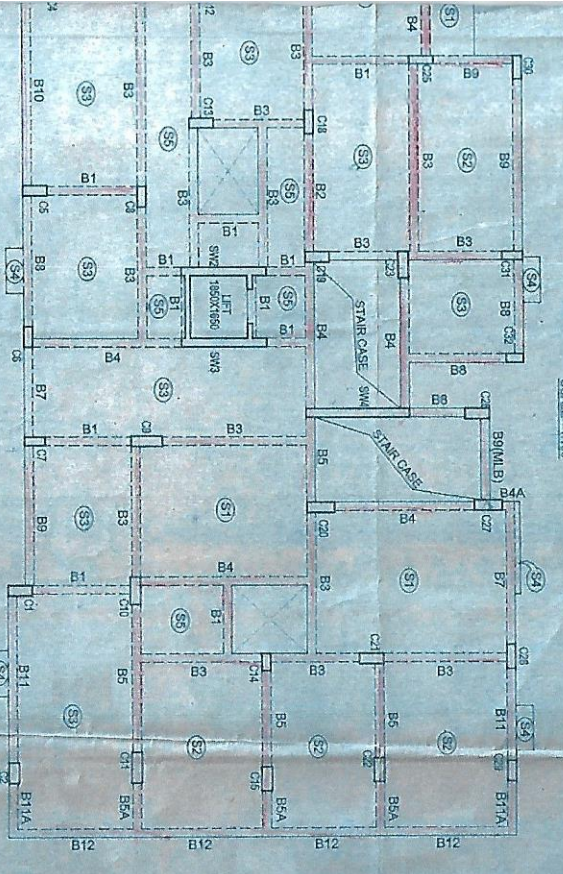
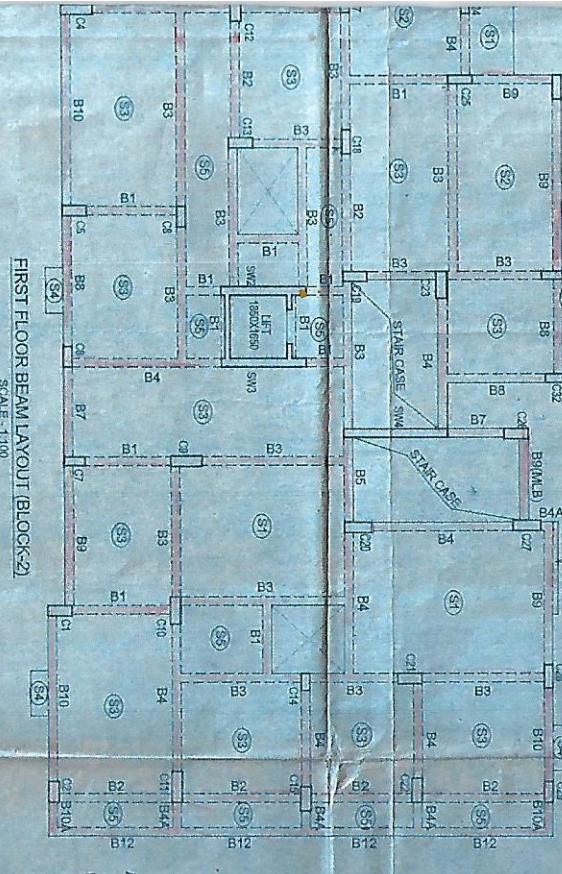
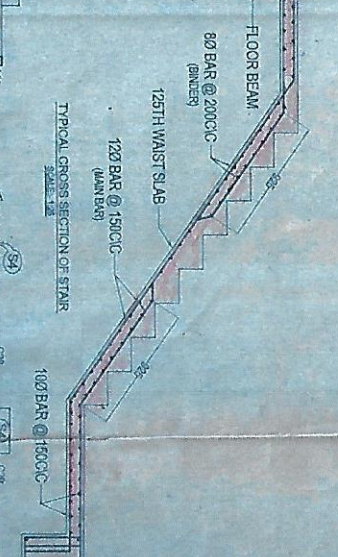
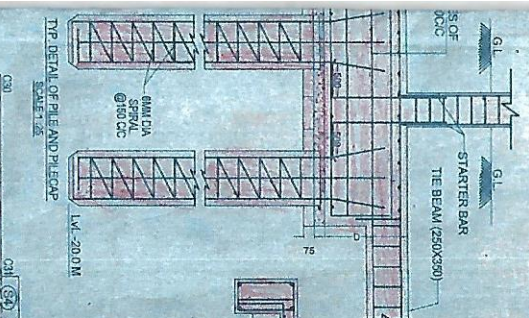
CERTIFICATION OF OWNER
 I/WE DO HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON REDDING NO.- 72 GOURI NATH SHASTRI SARANI, WARD NO.- 27 UNDER THE JURISDICTION OF SOUTH DUMDUM MUNICIPALITY HAVE BEEN PREPARED IN COMPLIANCE WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPALITY BUILDING REGULATIONS 2007 THIS ALSO TO CERTIFY THAT ALL RELEVANT NOTIFICATION AND APPROVATIONS FROM THE RESPECTIVE AUTHORITIES SUCH AS FIRE AND EMERGENCY SERVICES DEPARTMENT, AS APPLICABLE IN THIS REGARD ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEEKING APPROVAL OF THE BELANTO CONSTRUCTION ADDITION/ALTERATION OF THE BUILDING ON THE SAID PLOT.

Siddhanta Choudhuri
 Assistant Engineer
 CHANDIGARH
 B.L.B.S. No. S.D.M./2020/29293

CERTIFICATION OF BUILDING OF STRUCTURAL STABILITY
 I/WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON HOLDING NO.- 72 GOURI NATH SHASTRI SARANI, WARD NO.- 27 UNDER THE JURISDICTION OF SOUTH DUM DUM MUNICIPALITY HAVE BEEN PERSONALITY INSPECTED AND SO DESIGNED BY ME. US WILL MAKE SIGN FOUNDATION AND SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF SEISMIC CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS IF ANY CONCORDING TO ALL STIPULATIONS OF ALL RELEVANT CODES OF PRACTICE AND NATIONAL BUILDING CODE.

SUBRATA MONDAL
 M.E. (STRUCTURE)
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 Sector-13, Vasant Vihar
 New Delhi-110002
 Lic. No. S.D.M./3/2016/1

ASST. ENGINEER IN CHARGE
 CIVIL ENGINEER
 CHANDIGARH
 B.L.B.S. No. S.D.M./2020/29293



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 Website: www.sdconsultancy.com

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 S.D CONSULTANCY SERVICES

DRAWN BY:- K.H
CHECKED BY:- S.M.

SCALE: 1:100 & 50:1
REVISED ON:- 00
DATE: 11.04.2018

