SCHEDULE OF COLUMN:- BLOCK-1C			(M20 AND FE 500)	
COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 2ND. FL.	2ND.FL. TO 4TH. FL.	4TH. FL. TO ROOF&ABOVE
CC1	250X450	4-16Φ+4-12Φ	8-12Φ	8-12Φ
CC2	250X450	4-16Φ+4-12Φ	4-16Φ+4-12Φ	8-12Φ
CC3	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC4	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC5	250X450	6-16Φ+2-12Φ	6-16Φ+2-12Φ	4-16Φ+4-12Φ
CC6	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC7	250X450	6-16Φ+2-12Φ	6-16Φ+2-12Φ	4-16Φ+4-12Φ
CC8	250X450	10-16Φ	8-16Φ+2-12Φ	8-16Φ+2-12Φ
CC9	250X450	4-20Φ+4-16Φ	8-16Φ	8-16Φ
CC10	250X1125	12-16Φ+6-12Φ	12-16Φ+6-12Φ	12-16Φ+6-12Φ
CC11	250X450	8-20Φ	4-20Φ+4-16Φ	8-16Φ
CC12	250X450	4-20Φ+4-16Φ	8-16Φ	8-16Φ
CC13	250X450	6-16Φ+2-12Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC14	250X500	4-20Φ+6-16Φ	10-16Φ	10-16Φ
CC15	250X450	4-20Φ+4-16Φ	4-20Φ+4-16Φ	8-16Φ
CC16	250X450	8-20Φ	4-20Φ+4-16Φ	8-16Φ
CC17	250X450	6-16Φ+2-12Φ	6-16Φ+2-12Φ	4-16Φ+4-12Φ
CC18	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC19	250X500	8-20Φ+2-16Φ	4-20Φ+6-16Φ	10-16Φ
CC20	250X500	8-20Φ+2-16Φ	4-20Φ+6-16Φ	10-16Φ
CC21	250X450	4-20Φ+4-16Φ	4-20Φ+4-16Φ	8-16Φ
CC22	250X450	8-20Φ	4-20Φ+4-16Φ	8-16Φ
CC23	250X500	8-16Φ+2-12Φ	8-16Φ+2-12Φ	4-16Φ+6-12Φ
CC24	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC25	250X450	4-20Φ+4-16Φ	4-20Φ+4-16Φ	8-16Φ
CC26	250X450	8-20Φ	4-20Φ+4-16Φ	8-16Φ
CC27	250X450	4-16Φ+4-12Φ	4-16Φ+4-12Φ	4-16Φ+4-12Φ
CC28	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC29	250X500	10-20Φ	4-20Φ+6-16Φ	10-16Φ
CC30	250X500	8-16Φ+2-12Φ	8-16Φ+2-12Φ	4-16Φ+4-12Φ

SCHEDULE OF COLUMN:- BLOCK-1C			(M20 AND FE 500)	
COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 2ND. FL.	2ND.FL. TO 4TH. FL.	4TH. FL. TO ROOF&ABOVE
CC31	250X500	8-16Φ	8-16Φ	8-16Φ+2-12Φ
CC32	250X450	4-20Φ+4-16Φ	4-20Φ+4-16Φ	8-16Φ
CC33	250X450	4-20Φ+4-16Φ	4-20Φ+4-16Φ	8-16Φ
CC34	250X500	4-20Φ+6-16Φ	10-16Φ	10-16Φ
CC35	250X450	4-20Φ+4-16Φ	8-16Φ	8-16Φ
CC36	250X500	10-16Φ	6-16Φ+4-12Φ	6-16Φ+4-12Φ
CC37	250X450	4-20Φ+4-16Φ	4-20Φ+4-16Φ	8-16Φ
CC38	250X450	4-20Φ+4-16Φ	8-16Φ	8-16Φ
CC39	250X450	6-16Φ+2-12Φ	4-16Φ+4-12Φ	4-16Φ+4-12Φ
CC40	250X450	4-16Φ+4-12Φ	4-16Φ+2-12Φ	8-12Φ
CC41	250X450	4-16Φ+4-12Φ	4-16Φ+2-12Φ	8-12Φ
CC42	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC43	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC44	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC45	250X450	8-16Φ	6-16Φ+2-12Φ	6-16Φ+2-12Φ
CC46	250X450	6-16Φ+2-12Φ	4-16Φ+4-12Φ	8-12Φ

SCHEDULE OF COLUMN:- BLOCK-CONNECTING PORTION		(M20 AND FE 500)	
COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 2ND. FL.	2ND.FL. TO 3RD. FL.
C1	250X450	8-16Φ	8-16Φ
C2	250X450	8-16Φ	8-16Φ
C3	250X500	8-16Φ	8-16Φ
C4	250X450	8-16Φ	8-16Φ

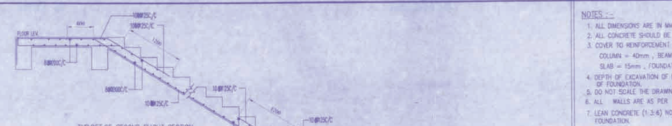
SCHEDULE OF TIE BEAM (M20 AND FE 500)							
MKD.	SIZE	TOP		BOTT.		STIRRUPS (2 LEGGED)	
	(MMxMM)	ALTH	EXT(AT SUPT.)	ALTH	EXT(MID SPAN)	AT SUPPORT	AT SPAN
TB1	250x450	2-12#T	2-16#T	2-16#T	2-12#T	8#T@125mm C/C	8#T@150mm C/C
TB2	250x450	1-16#T+ 2-12#T	-	3-16T#	-	8#T@125mm C/C	8#T@150mm C/C
TB3	250x450	2-16#T	2-16#T	2-16#T	2-16#T	8#T@125mm C/C	8#T@150mm C/C
TB4	250x450	2-16#T	2-12#T	2-16#T	2-12#T	8#T@125mm C/C	8#T@150mm C/C
TB5	200x450	3-16#T	-	2-16#T	-	8#T@125mm C/C	8#T@150mm C/C

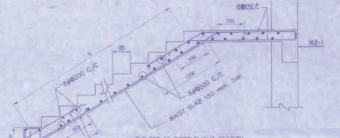
SCHEDULE OF FLOOR BEAM (M20 AND FE 500) BLOCK-1							
BEAM MKD.	SIZE	TOP		BOTT.		STIRRUPS (2 LEGGED)	
	(MMxMM)	ALTH	EXT(AT SUPT.)	ALTH	EXT(MID SPAN)	AT SUPPORT	AT SPAN
B1	250x450	2-16Φ	2-12Φ 2-20+1-16Φ(Conti End)	2-16Φ	2-12Φ	8Ø@150C/C	8Ø@175C/C
B1A	250x450	3-16Φ+2-20Φ	-	2-16Φ+2-12Φ	-	8Ø@150C/C	8Ø@175C/C
B2	250x450	2-16Φ	2-16Φ 2-20+1-16Φ(Conti End)	2-16Φ	2-16Φ	8Ø@150C/C	8Ø@175C/C
B2A	250x450	3-16Φ+2-20Φ	-	4-16Φ	-	8Ø@150C/C	8Ø@175C/C
B3	250x450 300x450	3-16Φ	2-16Φ	3-16Φ	2-16Φ	8Ø@150C/C	8Ø@175C/C
B3A	250x450	5-16Φ	-	3-16Φ	-	8Ø@150C/C	8Ø@175C/C
B4	250x450	2-16Φ	2-12Φ	3-16Φ	-	8Ø@150C/C	8Ø@175C/C
B5	250x450	2-16Φ	2-16Φ	4-16Φ	-	8Ø@150C/C	8Ø@175C/C
B6	250x450	2-16Φ	1-16Φ	4-16Φ	-	8Ø@150C/C	8Ø@175C/C
B7	250x450	2-16Φ	2-16Φ	3-20Φ	2-16Φ	8Ø@150C/C	8Ø@175C/C
B8	250x450 300x450	3-16Φ	-	3-16Φ	-	8Ø@150C/C	8Ø@175C/C
B9	250x450	2-16Φ+1-12Φ	2-16Φ	3-16Φ	2-20Φ	8Ø@150C/C	8Ø@175C/C
B10	250x450	2-16Φ	3-20Φ	2-16Φ	2-20Φ	8Ø@150C/C	8Ø@175C/C
B11	250x450	2-16Φ	2-20Φ	2-20Φ	3-16Φ	8Ø@150C/C	8Ø@175C/C

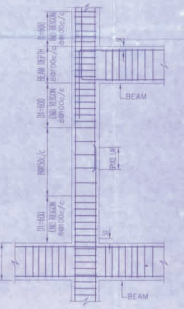
SCHEDULE OF SLAB (S1)	
SLAB THICKNESS AS MENTIONED :- 115 MM (ALONG SHORTER DIRECTION)	(M20 AND FE 500)
SUPPORT	8mm#@ 150mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm#@ 165mm c/c at span & alternately curtailed at L/4 from beam
SLAB THICKNESS AS MENTIONED :-115 MM (ALONG LONGER DIRECTION)	(M20 AND FE 500)
SUPPORT	8mm#@ 165mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm#@ 175mm c/c at span & alternately curtailed at L/4 from beam

SCHEDULE OF SLAB (S2)	
SLAB THICKNESS AS MENTIONED :- 125 MM (ALONG SHORTER DIRECTION)	(M20 AND FE 500)
SUPPORT	8mm#@ 135mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm#@ 150mm c/c at span & alternately curtailed at L/4 from beam
SLAB THICKNESS AS MENTIONED :-125 MM (ALONG LONGER DIRECTION)	(M20 AND FE 500)
SUPPORT	8mm#@ 165mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm#@ 175mm c/c at span & alternately curtailed at L/4 from beam

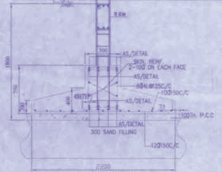
SCHEDULE OF SLAB (S2)	
SLAB THICKNESS AS MENTIONED :- 135 MM (ALONG SHORTER DIRECTION)	(M20 AND FE 500)
SUPPORT	8mm#@ 125mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm#@ 150mm c/c at span & alternately curtailed at L/4 from beam
SLAB THICKNESS AS MENTIONED :-135 MM (ALONG LONGER DIRECTION)	(M20 AND FE 500)
SUPPORT	8mm#@ 165mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm#@ 175mm c/c at span & alternately curtailed at L/4 from beam

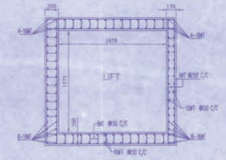

TYP.DET.OF SECOND FLIGHT SECTION


TYP.DET.OF FIRST FLIGHT SECTION

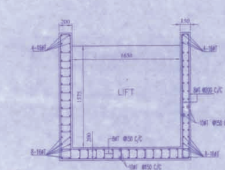


LONG SECTION OF COL.
SHOWING LINK DETAILS

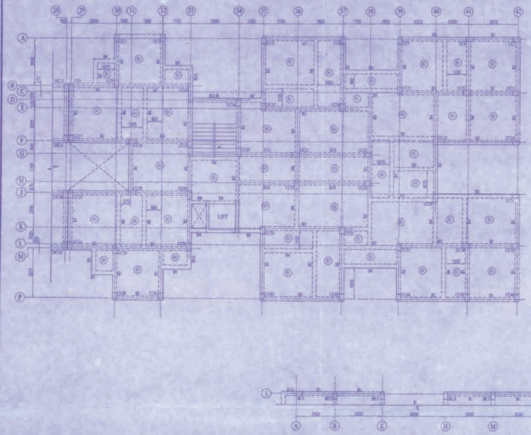

TYP. DETAIL OF FOUNDATION
SCALE 1:25

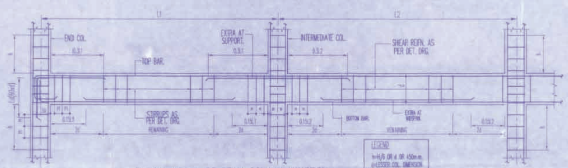


R.C. DETAILS OF LIFT WALL
BELOW PINTH LEV.

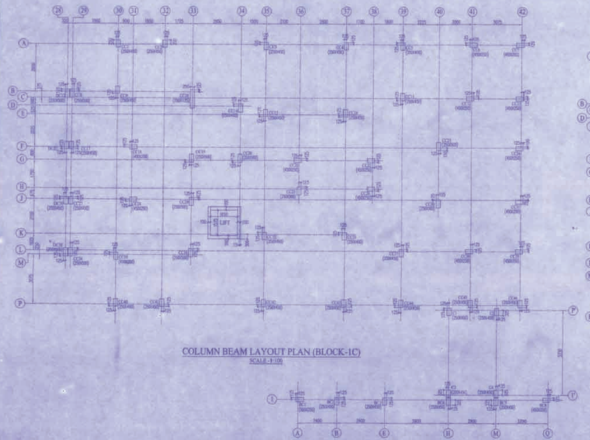


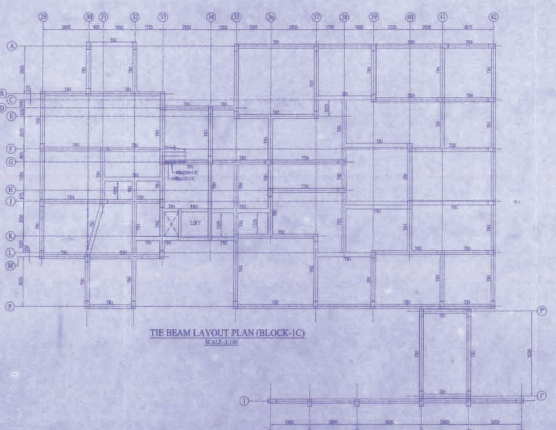
R.C. DETAILS OF LIFT WALL
TYPICAL FLOOR PINTH LEV.





TYPICAL DETAIL OF BEAM COLUMN JUNCTION


COLUMN BEAM LAYOUT PLAN (BLOCK-1C)
SCALE-1:100


TIE BEAM LAYOUT PLAN (BLOCK-1C)
SCALE-1:100

NOTES :-

1. ALL DIMENSIONS ARE IN MM
2. ALL CONCRETE SHOULD BE OF GRADE M20 UNLESS SPECIFIED
3. COVER TO REINFORCEMENT:
   COLUMN = 40mm , BEAM = 30mm
   SLAB = 15mm , FOUNDATION = 50mm
4. DEPTH OF EXCAVATION OF UNDER GROUND SUMP SHOULD BE ABOVE THAT OF FOUNDATION.
5. DO NOT SCALE THE DRAWING , FOLLOW WITH DIMENSION.
6. ALL WALLS ARE AS PER ARCHITECTURAL DRAWINGS
7. LEAN CONCRETE (1:3:6) NOMINAL MIX 75 THK. SHALL BE PROVIDED UNDER FOUNDATION.
8. THE DRAWINGS SHOULD BE STUDIED CAREFULLY AND ALL DIMENSIONS SHOWN HERE SHOULD BE CHECKED AT SITE. CLARIFICATION REGARDING DISCREPANCY IF ANY, SHOULD BE OBTAINED BEFORE COMMENCEMENT OF WORK.
9. SPACER BAR USED SHALL BE OF 20mm OR DIAMETER OF THE BAR USED IN THE JOB WHICH IS LARGER.
10. STEEL TO BE USE SHOULD BE OF Fe-500 GRADE. REINFORCEMENT SHOULD BE WITH COLD TWISTED DEFORMED BARS CONFIRMING TO IS : - 1786 AND HAVE BEEN SHOWN AS ɸ.
11. DEPTH OF EXCAVATION OF UNDER GROUND SUMP/RESERVOIR SHOULD BE ABOVE THE DEPTH OF FOUNDATION OF THE ADJACENT BUILDING / STRUCTURE.
12. LAP LENGTH OF STEEL BAR SHALL BE 50xDIA OF BAR

Constitute Attorney
REALMARK REALTY PVT. LTD.
Authorised Signatory/Director

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER

CERTIFIED THAT, "THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & 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 & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS".

SUBIR CHANDRA SANYAL
B.C.E., A.M.I., STRUCT. E. (I)
E. B. S. NO. 840, CLASS-I
E. S. E. NO. 007, CLASS-I
RAJPUR-SONARPUR MUNICIPALITY

SIGNATURE OF STRUCTURAL ENGINEER.

CERTIFICATE OF ARCHITECT

THE E.B.S. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF WEST BENGAL MUNICIPAL BUILDING RULES 2007, 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 (E.B.A.)
RAJPUR SONARPUR MUNICIPALITY
NO. 4511RJPSONEBA

SIGNATURE OF ARCHITECT

Rupak Kumar Banerjee
RUPAK KUMAR BANERJEE
B.C.E., M.E., MIGS
M.I.E., CHARTERED ENGINEER
ENLISTED GEO TECHNICAL ENGINEER (K.M.C.)
G.T./I/3(K.M.C), LM-4279
M-153878-5
GTER-HIDCO/09/00014
019/RJP SONG.T/2014-15

SIGNATURE OF GEO-TECHNICAL ENGINEER

TITLE

COLUMN & TIE-BEAM LAYOUT PLAN WITH DETAILS (BLOCK-1C)

PROJECT

STRUCTURAL DRAWING FOR A PROPOSED G+IV (15.45 MT. HT.) STORIEDRESIDENTIAL BUILDING AT HOLDING NO.-484, GHOSHAL PARA, WARD NO-23, R.S & L.R DAG NO -213, 353, 354 & 355, R.S KHATIAN NO. - 82 & 387, LR KHATIAN NO. 1619 , 1620 , 1621, 1622, 1623, 1624, 1625, 1626. 1627, 1628, 1629, 1630, JL NO. 77, MOUZA - MANIKPORE, P.S- SONARPUR, SOUTH 24 PARAGNAS UNDER RAJPUR - SONARPUR MUNICIPALITY.

DATE	JOB. NO.	DEALT	CHECKED	SHEET NO.
30.09.19	STRUC/ 484	SOMNATH	DIPANKAR	4 OF 7

SCALE
1:150, 100, 50, 40, 6000

ARCHITECT

N

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

Sanyalson Associates Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
P-157 KANUNGO PARK KOLKATA-84

FOR OFFICE USE ONLY

Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 36/09/23/45 Dated Dec. ——
for record of the Rajpur-Sonarpur Municipality without Verification No deviation from the submitting structural plan submitted at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary approval should be taken for the safety of the adjoining premises public property and safety of human life during Construction.

Sig. of Assistant Engineer.
Incharge P.W.D
RAJPUR-SONARPUR MUNICIPALITY