SCHEDULE OF ISOLATED TRAPEZOIDAL FOOTING

FUN. TYP.	SIZE OF FUN.	COLUMN UNDER	THICKNESS (MM) TOE	THICKNESS (MM) HEEL	REINFORCEMENT BOTHWAYS AT BOTTOM
Isolated	1700 X 1700	C1	200	400	12 TOR @ 150 C/C (LON.) 12 TOR @ 150 C/C (SHOR.)
Isolated	2400 X 2400	C2	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2400 X 2400	C3	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2400 X 2400	C4	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2500 X 2500	C5	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2900 X 2900	C6	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2700 X 2700	C7	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2200 X 2200	C8	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2100 X 2100	C9	200	400	12 TOR @ 150 C/C (LON.) 12 TOR @ 150 C/C (SHOR.)
Isolated	2600 X 2600	C10	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2900 X 2900	C11	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	3100 X 3100	C12	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2600 X 2600	C13	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2400 X 2400	C14	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2700 X 2700	C15	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2950 X 2950	C16	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)

SCHEDULE OF FOUNDATION

FUN. TYP.	SIZE OF FUN.	COLUMN UNDER	THICKNESS (MM) TOE	THICKNESS (MM) HEEL	REINFORCEMENT BOTHWAYS AT BOTTOM
Isolated	2600 X 2600	C17	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2200 X 2200	C18	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2700 X 3600	C19	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2400 X 2400	C20	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2200 X 2200	C21	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2500 X 2500	C22	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2900 X 2900	C23	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2700 X 2700	C24	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2700 X 2700	C25	300	500	12 TOR @ 110 C/C (LON.) 12 TOR @ 110 C/C (SHOR.)
Isolated	2600 X 2600	C26	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	1900 X 1900	C27	200	400	12 TOR @ 150 C/C (LON.) 12 TOR @ 150 C/C (SHOR.)
Isolated	2500 X 2500	C28	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2100 X 2100	C29	200	400	12 TOR @ 150 C/C (LON.) 12 TOR @ 150 C/C (SHOR.)
Isolated	2400 X 2400	C30	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2400 X 2400	C31	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)
Isolated	2600 X 2600	C32	250	450	12 TOR @ 125 C/C (LON.) 12 TOR @ 125 C/C (SHOR.)

SCHEDULE OF R.C.C. BEAM

MARKED	BEAM SECTION	REINFORCEMENT AT SUPPORT		REINFORCEMENT AT SPAN	
B1	250 X 400	TOP	2-16 MM + 2-16 MM	TOP	2-16 MM
		BOTTOM	3-16 MM	BOTTOM	3-16 MM + 2-12 MM
		STIRRUP	8 TOR @ 150 C/C	STIRRUP	8 TOR @ 200 C/C
B2	250 X 400	TOP	2-16 MM + 2-16 MM	TOP	2-16 MM
		BOTTOM	2-16 MM	BOTTOM	2-16 MM + 2-16 MM
		STIRRUP	8 TOR @ 150 C/C	STIRRUP	8 TOR @ 200 C/C
B3	250 X 400	TOP	3-16 MM + 3-16 MM	TOP	3-16 MM
		BOTTOM	3-16 MM	BOTTOM	3-16 MM + 2-16 MM
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 175 C/C
B4	250 X 400	TOP	3-16 MM + 2-20 MM	TOP	3-16 MM
		BOTTOM	3-20 MM	BOTTOM	3-20
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 150 C/C
B5	250 X 400	TOP	2-16 MM + 3-20 MM	TOP	2-16 MM + 3-20 MM
		BOTTOM	3-16 MM	BOTTOM	3-16 MM
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 125 C/C
B6	250 X 300	TOP	2-16 MM	TOP	2-16 MM
		BOTTOM	2-16 MM	BOTTOM	2-16 MM
		STIRRUP	8 TOR @ 150 C/C	STIRRUP	8 TOR @ 150 C/C

SCHEDULE OF R.C.C. TIE BEAM

MARKED	TIE BEAM SECTION	REINFORCEMENT AT SUPPORT		REINFORCEMENT AT SPAN	
TB1	250 X 400	TOP	2-16 MM + 3-12 MM	TOP	2-16 MM
		BOTTOM	2-12 MM	BOTTOM	2-12 MM + 2-12 MM
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 150 C/C
TB2	250 X 400	TOP	3-16 MM + 3-16 MM	TOP	3-16 MM
		BOTTOM	5-16 MM	BOTTOM	5-16 MM + 3-16 MM
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 150 C/C
TB3	250 X 400	TOP	6-16 MM	TOP	6-16 MM
		BOTTOM	3-12 MM	BOTTOM	3-12 MM + 3-16 MM
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 150 C/C
TB4	250 X 300	TOP	2-12 MM	TOP	2-12 MM
		BOTTOM	2-12 MM	BOTTOM	2-12 MM
		STIRRUP	8 TOR @ 150 C/C	STIRRUP	8 TOR @ 150 C/C

SCHEDULE OF R.C.C. SLAB

MARKED	DEPTH	LONGER REINFORCEMENT	SHORTER REINFORCEMENT
S1	115	8 TOR @ 200 C/C	8 TOR @ 200 C/C
S2	125	10 TOR @ 150 C/C	10 TOR @ 125 C/C
S3	125	8 TOR @ 150 C/C	10 TOR @ 125 C/C
S4 (WAIST SLAB)	150	12 TOR @ 125 C/C	8 TOR @ 150 C/C

SCHEDULE OF R.C.C. FOUNDATION BEAM

MARKED	FOUN. BEAM SECTION	REINFORCEMENT AT SUPPORT		REINFORCEMENT AT SPAN	
FB1	400 X 700	TOP	4-16 MM	TOP	4-16 MM + 3-16 MM
		BOTTOM	4-16 MM + 4-16 MM	BOTTOM	4-16 MM
		STIRRUP	8 TOR @ 125 C/C	STIRRUP	8 TOR @ 175 C/C

SCHEDULE OF R.C.C. COLOUMN

MARKED	SIZE (l X b)	REINFORCEMENT UP TO 2ND FLOOR LEVEL	REINFORCEMENT ABOVE 2ND FLOOR LEVEL
C1 C9 C18 C27 C29	450 X 250	12 NOS. - 12 MM 8 TOR 2L @ 150 C/C	12 NOS. - 12 MM 8 TOR 2L @ 150 C/C
C2 C3 C4 C8 C17 C20 C21 C25 C26 C28 C30 C31 C32	450 X 250	6 NOS. - 16 MM + 6 NOS. - 12 MM 8 TOR 2L @ 150 C/C	12 NOS. - 12 MM 8 TOR 2L @ 150 C/C
C5 C7 C10 C13 C14 C22 C24	450 X 250	12 NOS. - 16 MM 8 TOR 2L @ 150 C/C	6 NOS. - 16 MM 6 NOS. - 12 MM 8 TOR 2L @ 150 C/C
C6 C11 C12 C15 C16	450 X 250	6 NOS. - 20 MM 6 NOS. - 16 MM 8 TOR 2L @ 150 C/C	12 NOS. - 16 MM 8 TOR 2L @ 150 C/C
C19 C23	450 X 250	12 NOS. - 20 MM 8 TOR 2L @ 150 C/C	6 NOS. - 20 MM 6 NOS. - 16 MM 8 TOR 2L @ 150 C/C

STRUCTURAL DRAWING OF PROPOSED G+4 RESIDENTIAL APARTMENT BUILDING ON PLOT NO:-736 / 1009 (L.R.), J.L.NO:-229, K.H.NO:-3948, 3950, 3949, 3951, 3952, MOUZA:- JUNBEDIA. UNDER JUNBEDIA GRAM PANCHYAYAT, P.S.+ DIST:- BANKURA.

NAME OF OWNER :- 1. **SAYANDIP RAKSHIT, 2. KALPANA RAKSHIT, 3. PRIYA RAKSHIT, 4. SHWETA SUHASARIA, 5. BIPAN MUKHERJEE**

SPECIFICATIONS

1. ALL DIMENSIONS ARE IN MM.
2. 25 THK. D.P.C. WILL BE 1:2:4 P.C.C. WITH APPROVED WATER PROOOFING COMPOUND.
3. BRICK WORK WITH 1ST CLASS PICKED AND MORTER (SAND CEMENT) FOR 200 & 250 THK. BRICK WORK 6:1 & 75 & 125 THK. BRICKWORK WITH 4:1.
4. FOR ALL P.C.C. & R.C.C. WORK USE M20 GRADE OF CONCRETE WITH 20 MM DOWNAGGREGATE COARSE & PORTLAND CEMENT WITH WATER CEMENT RATIO 0.4 TO 0.5.
5. FOR ALL R.C.C. WRK USE Fe500 GRADE OF STEEL.
6. DEPTH OF THE FOUNDATION IS AT 1.5 M BELOW OF EX. G.L.
7. CLEAR COVER OF MAIN REINFORCEMENT AS PER BELOW:-
   a) FOUNDATION- 50 MM, b) COLUMN- 40 MM, c)BEAM- 30 MM, d) SLAB- 20 MM.
8. ALL OTHER SPECIFICATION ARE AS PER NATIONAL BUILDING CODE OF INDIA.

1. Sayandip Rakshit 2. Kalpana Rakshit
3. Priya Rakshit 4. Shweta Suhasaria
5. बिपन मुखर्जी

SIGNATURE OF OWNER

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY US CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT..

Dayamay Barat
DAYAMAY BARAT
B. Tech. in CE
Bankura Municipality
License No.-LBS-Class-I/ R/ 2025-26
Mobile :- 8116823662

Dayamay Barat
DAYAMAY BARAT
Enlisted Structural Engineer
Bankura Municipality
Valid upto 2031-32
ESE-Class-II (24-10)
Mobile :- 8116823662
9476823662

SIGNATURE OF L.B.S. **SIGN. OF STRUCTURAL ENGINEER**

Approved
Assistant Engineer
(P. & R.D.)
Bankura Municipality Furnished
SANCTIONED BY

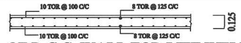
COLOUR INDEX	
EXISTING BUILDING	
PROPERTY LINE	
PROPOSED BUILDING LINE	
DRAINAGE & SEWERAGE LINE	
ROAD LINE	

DOOR & WINDOW SCHEDULE			
TYPE	SIZE (DOOR)	TYPE	SIZE (DOOR)
D	2100X2100	W	2400X1200
D1	1800X2100	W1	1800X1200
D2	1200X2100	W2	1500X1200
D3	1050X2100	W3	1200X1200
D4	900X2100	W4	900X1200
D5	750X2100	W5	750X600
		W6	750X1200
		W7	600X600

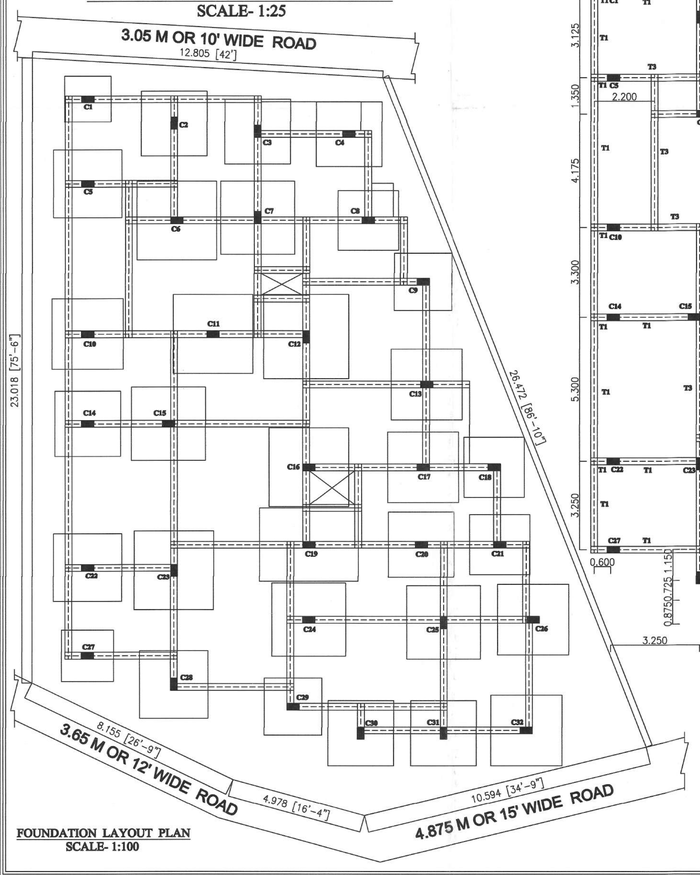
NOTE

1. ALL DIMENSION ARE IN MM.
2. ALL OUTER WALL - 200 MM TH
3. ALL INNER WALL - 125 & 75 MM MM
4. GRADE OF CONCRETE - M-20 AND STEEL - Fe 500
5. SCALE :- 1 : 100

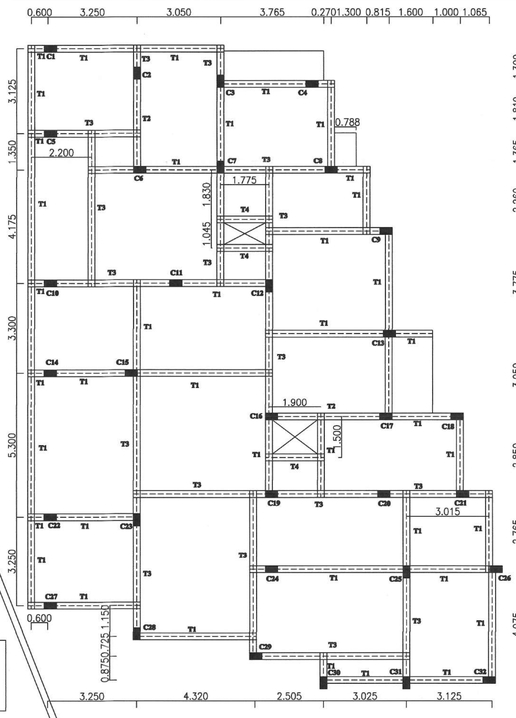
SHEET NO - 2 OF 2



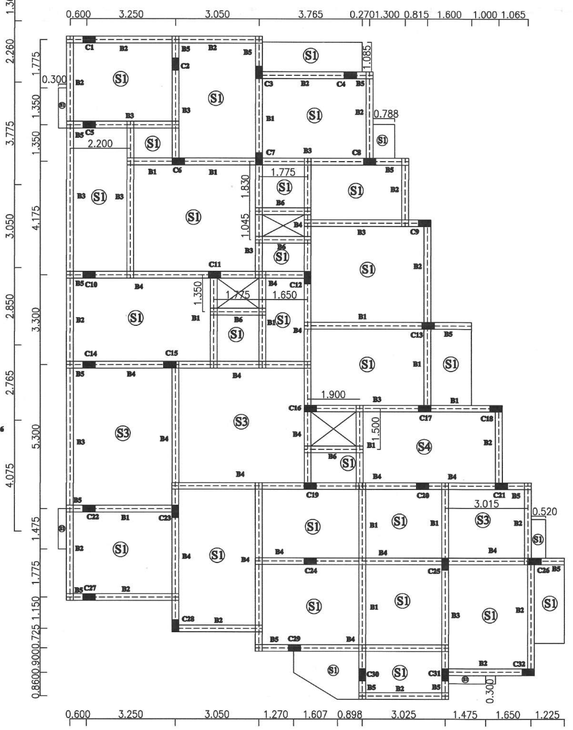
DETAIL OF R.C.C. WALL FOR LIFT WELL
SCALE- 1:25



FOUNDATION LAYOUT PLAN
SCALE- 1:100



TIE-BEAM LAYOUT PLAN
SCALE- 1:100



BEAM SLAB LAYOUT PLAN
GROUND, FIRST, SECOND, THIRD & FOURTH ROOF SLAB
SCALE- 1:100