COLUMN SCHEDULE
GRADE OF CONCRETE - M30

9TH. FL. LVL. TO ROOF	18-T20	4-T16+ 16-T12	4-T16+ 12-T12	20-T16	20-T16	16-T25+ 4-T25	4-T16+ 16-T12	18-T16	20-T16	16-T16	16-T16	4-T16+ 16-T12	20-T20	12-T16	4-T20+ 12-T16	20-T12	20-T12	20-T16	8-T20+ 12-T16	16-T12	4-T16+ 16-T12	20-T12	20-T12	20-T12	16-T12	4-T16	20-T16	20-T16	20-T12	20-T12	18-T12	20-T25	20-T12	20-T12	18-T12
6TH. FL. LVL. TO 9TH. FL. LVL.	18-T20	12-T16+ 8-T12	4-T16+ 12-T12	12-T20+ 8-T16	4-T20+ 16-T16	16-T25+ 4-T25	12-T16+ 8-T12	18-T16	20-T16	8-T20+ 8-T16	8-T20+ 8-T16	12-T16+ 8-T12	20-T20	12-T16	12-T20+ 4-T16	4-T16+ 16-T12	20-T12	20-T16	20-T20	4-T16+ 12-T12	12-T16+ 8-T12	20-T12	4-T16+ 16-T12	4-T16+ 16-T12	16-T12	4-T16	8-T20+ 12-T16	8-T20+ 12-T16	12-T16+ 8-T12	12-T16+ 8-T12	4-T16+ 14-T12	20-T25	4-T16+ 16-T12	12-T16+ 8-T12	18-T12
3RD. FL. LVL. TO 6TH. FL. LVL.	18-T20	20-T16	12-T16+ 4-T12	4-T25+ 16-T20	12-T20+ 8-T16	16-T25+ 4-T25	20-T16	18-T16	20-T16	16-T20	16-T20	20-T16	20-T20	12-T16	12-T20+ 4-T16	12-T16+ 8-T12	4-T16+ 16-T12	20-T16	20-T20	12-T16+ 4-T12	20-T16	20-T12	12-T16+ 8-T12	12-T16+ 8-T12	4-T16+ 12-T12	4-T16	20-T20	20-T20	20-T16	20-T16	12-T16+ 8-T12	20-T25	12-T16+ 8-T12	20-T16	4-T16+ 14-T12
1ST. FL. LVL. TO 3RD. FL. LVL.	18-T20	8-T20+ 12-T16	4-T20+ 12-T16	8-T25+ 8-T20	4-T25+ 16-T20	16-T25+ 4-T25	8-T20+ 12-T16	18-T16	8-T20+ 12-T16	4-T25+ 12-T20	4-T25+ 12-T20	8-T20+ 12-T16	20-T20	12-T16	12-T20+ 4-T16	20-T16	12-T16+ 8-T12	20-T16	20-T20	16-T16	20-T16	20-T12	20-T16	20-T16	12-T16+ 4-T12	4-T16	8-T25+ 12-T20	8-T25+ 12-T20	12-T20+ 8-T16	12-T20+ 8-T16	18-T16	20-T25	20-T16	12-T20+ 8-T16	12-T16+ 8-T12
FOUNDATION TO 1ST. FL. LVL.	18-T25	20-T20	12-T20+ 4-T16	20-T25	16-T25+ 4-T20	16-T25+ 4-T25	16-T20+ 4-T16	18-T16	20-T20	16-T25	16-T25	20-T20	20-T20	12-T16	12-T20+ 4-T16	20-T16	20-T16	20-T16	20-T20	12-T20+ 4-T16	20-T16	20-T12	20-T20	20-T20	16-T16	4-T16	20-T25	20-T25	20-T20	20-T20	18-T16	20-T25	20-T16	20-T20	18-T16
COL SIZE	300X900	300X1000	250X1000	300X1250	300X1200	300X1400	300X1200	250X1000	300X1275	250X1000	250X1000	300X900	300X900	300X900	250X1200	300X1000	300X750	300X1000	300X1000	250X2000	300X1050	300X1000	300X825	1000X300	1000X300	300X900	250X1000	300X1000	300X1000	300X1100	300X900	300X1000	300X1000	300X900	300X900
LINK	10 TOR @ 150 C/C																																		
COL MARKED	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25	C26	C27	C28	C29	C30	C31	C32	C33	C34	C35

PILE CAP SCHEDULE

GRADE OF CONCRETE – M30

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
P2	800 x 2300	900	4L-10 TOR@150C/C	12 TOR @150C/C(T) 16TOR @150C/C(B)
P3	AS/DWG.	900	12TOR@150C/C(T) 16TOR@125C/C(B)	12TOR@150C/C(T) 16TOR@125C/C(B)
P3A	800 x 9300	900	4L-10 TOR@125C/C	12 TOR @125C/C(T) 20TOR @125C/C(B)
P4	2300 x 2300	1000	12TOR@150C/C(T) 20TOR@100C/C(B)	12TOR@150C/C(T) 20TOR@100C/C(B)
P5	2300 x 3398	1200	12TOR@150C/C(T) 16TOR@100C/C(B)	12TOR@150C/C(T) 16TOR@100C/C(B)
P8	2300 x 5300	1500	12TOR@150C/C(T) 25TOR@125C/C(B)	12TOR@150C/C(T) 25TOR@125C/C(B)
P12	3800x 5300	1600	20TOR@100C/C(T) 25TOR@100 C/C (B)	20TOR@100C/C(T) 25TOR@100 C/C (B)

GRADE OF CONCRETE -M25

PILE SCHEDULE

MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m^3

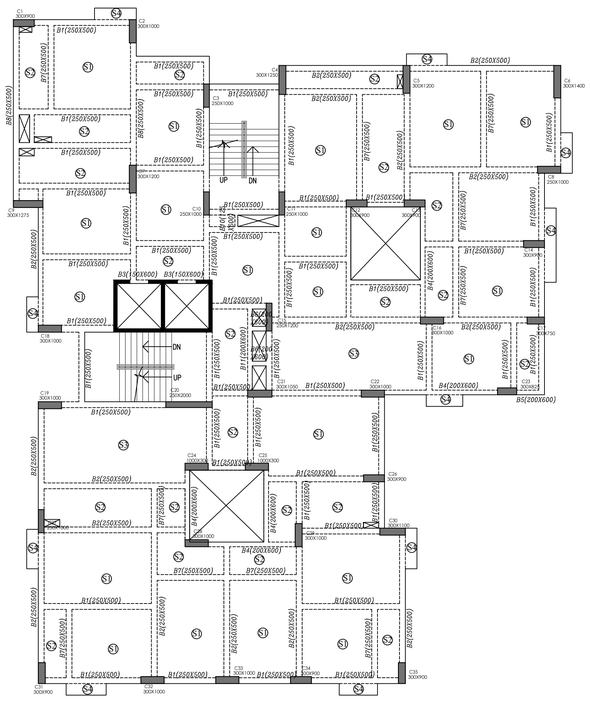
TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
	500	4-16TOR+ 4-12TOR	80.0 T

BEAM SCHEDULE
GRADE OF CONCRETE - M30

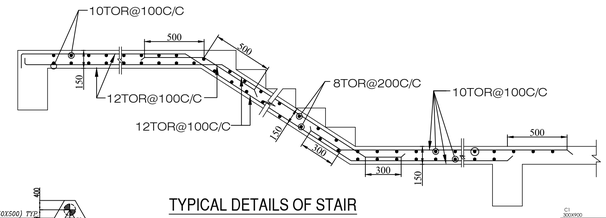
BEAM MKD	BEAM SIZE		REINFT. AT LEFT SUPPT.		REINFT. AT SPAN		REINFT. AT RIGHT SUPPT.		STIRRUPS		REMARKS
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN	
TB1	250	500	3-T16	2-T16	2-T16	2-T16	3-T16	2-T16	2L-T8 @100C/C	2L-T8@200C/C	———
TB2	250	500	3-T16	2-T16	2-T16	3-T16	3-T16	2-T16	2L-T8 @100C/C	2L-T8@200C/C	———
B1	250	500	3-T25	2-T25+ 1-T16	2-T25	2-T25+ 1-T16	3-T25	2-T25+ 1-T16	2L-T8 @100C/C	2L-T8@200C/C	———
B2	250	500	2-T25+ 1-T20	2-T25	2-T25	2-T25+ 1-T16	2-T25+ 1-T20	2-T25	2L-T8 @100C/C	2L-T8@200C/C	———
B3	150	500	2-T20	2-T20	2-T20	2-T20	2-T20	2-T20	2L-T8 @125C/C	2L-T8@250C/C	———
B4	200	500	2-T25+ 1-T16	2-T20	2-T25	3-T20	3-T25	2-T20	2L-T8 @100C/C	2L-T8@200C/C	———
B5	200	500	3-T25	2-T20	3-T25	2-T20	3-T25	2-T20	2L-T8 @100C/C	2L-T8@200C/C	———
B6	200	500	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8 @200C/C	2L-T8@200C/C	———
B7	250	500	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8 @200C/C	2L-T8@200C/C	———
B8	250	500	4-T25	2-T25	2-T25	2-T25+ 1-T20	3-T25+ 2-T20	2-T25	2L-T8 @100C/C	2L-T8@200C/C	———
B9	250	500	3-T25	2-T16	3-T25	2-T16	3-T25	2-T16	2L-T8 @100C/C	2L-T8@100C/C	———
B10	125	500	2-T12	2-T12	2-T12	2-T12	2-T12	2-T12	2L-T8 @200C/C	2L-T8@200C/C	———
B11	200	500	2-T16+ 1-T20	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8 @100C/C	2L-T8@200C/C	———
B12	250	500	3-T25	2-T20	3-T25	2-T20	3-T25	2-T20	2L-T8 @100C/C	2L-T8@100C/C	———
B13	250	500	2-T25+ 1-T16	2-T16	2-T25+ 1-T16	2-T16	2-T25+ 1-T16	2-T16	2L-T8 @100C/C	2L-T8 @100C/C	———
B14	250	750	3-T25+ 2-T20	2-T25	3-T25+ 2-T20	2-T25	3-T25+ 2-T20	2-T25	2L-T10 @75C/C	2L-T10 @75C/C	———
B15	250	750	2-T20	2-T16	2-T20	2-T16	2-T20	2-T16	2L-T8 @175C/C	2L-T8 @175C/C	———

SLAB SCHEDULE
GRADE OF CONCRETE - M30

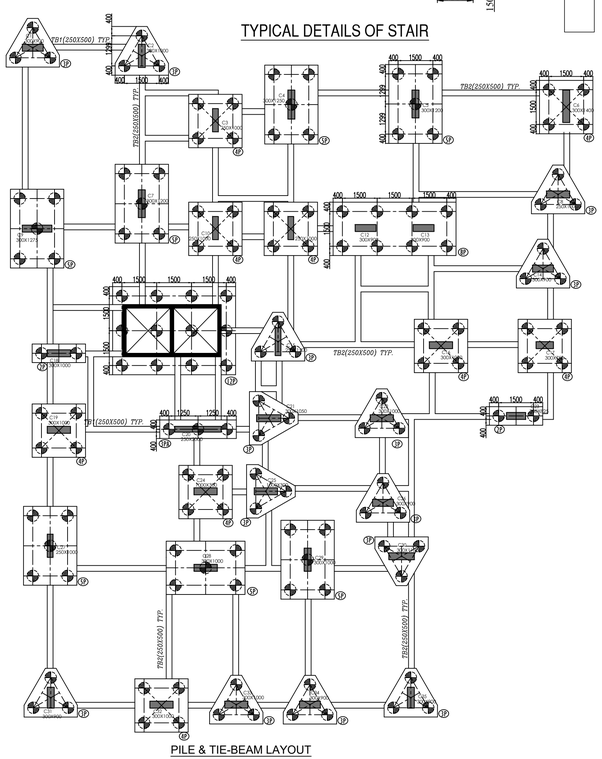
SLAB MKD	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125 THK.	T8 TOR @250C/C (ST.) T8 TOR @250C/C (CKD.)	T8 TOR @300C/C (ST.) T8 TOR @300C/C (CKD.)
S2	125 THK.	T8 TOR @150C/C (B.) T8 TOR @200C/C (T.)	T8 TOR @200C/C (B.) T8 TOR @200C/C (T.)
S3	175 THK.	T8 TOR @200C/C (B.) T10 TOR @100C/C (T.)	T8 TOR @200C/C (B.) T8 TOR @200C/C (T.)
S4	150 THK.	T8 TOR @200C/C (B.) T8 TOR @125C/C (T.)	T8 TOR @200C/C (B.) T8 TOR @200C/C (T.)



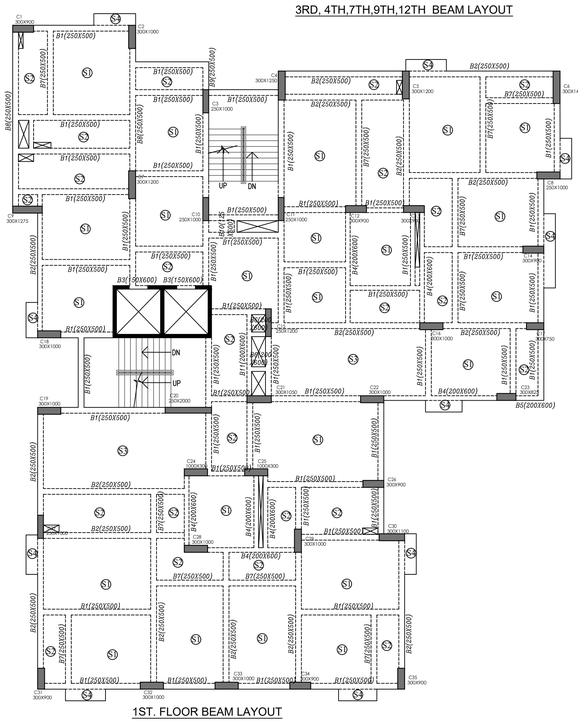
6TH & 10TH BEAM LAYOUT (FIRE REFUGE FLOOR)



TYPICAL DETAILS OF STAIR

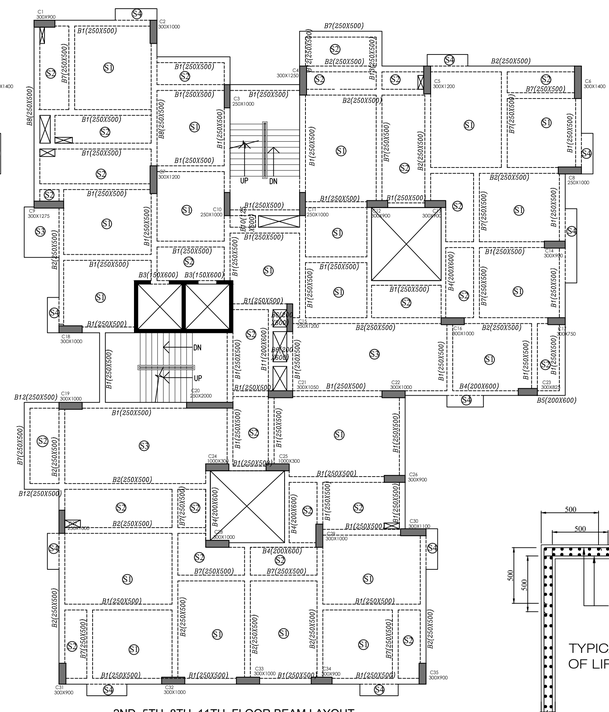


PILE & TIE-BEAM LAYOUT

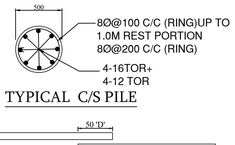


1ST. FLOOR BEAM LAYOUT

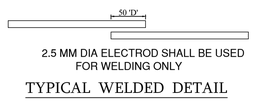
3RD, 4TH,7TH,9TH,12TH BEAM LAYOUT



2ND, 5TH, 8TH, 11TH, FLOOR BEAM LAYOUT

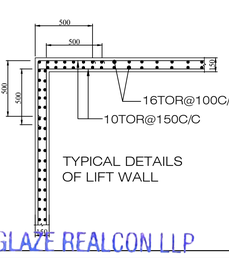


TYPICAL C/S PILE

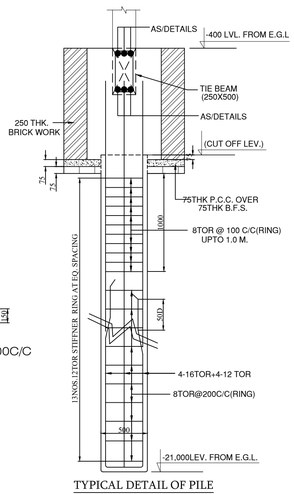


2.5 MM DIA ELECTROD SHALL BE USED FOR WELDING ONLY

TYPICAL WELDED DETAIL



TYPICAL DETAILS OF LIFT WALL



TYPICAL DETAIL OF PILE

NOTES:–

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMIDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMENCING THE WORK
3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. GRADE OF CONCRETE M-30.
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
7. FOR STEEL GRADE Fe 500.
8. ALL DISTRIBUTION BARS ARE 8MM@250C/C AND TO BE PROVIDED WHEREVER REQUIRED.
9. ALL CHAIRS ARE 10% AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE 25MM@900C/C AND TO BE PROVIDED WHWREVER REQUIRED.
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50D WHERE 'D' IS THE SMALLEST BAR DIA.
12. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
13. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. COLUMN			40
b. FLOOR BEAM	30	30	30
c. TIE BEAM	30	30	30
d. FLOOR SLAB	20	20	20
e. RAFT	50	50	50

14. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION

PROJECT:

STUCTURAL PLAN OF PROPOSED G+12 (39.95M) STORIED RESIDENTIAL BUILDING AT DAG NO .- 1603, 1683,1684 & 1685, L.R. DAG NO.- 1708,1709,1703,1628; R.S. KHATIAN NO.- 361, 238, 154 & 621; L.R. KHATIAN NO.- 3980 , 3981 ; OF MOUZA- ELACHI, J.L. NO.- 70, HOLDING NO.- 383 ; DR. B.C. ROY ROAD (JAGADDAL);WARD NO.- 26, UNDER RAJPUR SONARPUR MUNICIPALITY, P.S. - SONARPUR, DIST.- 24 PARGANAS (S).

PRAKASH TEKRIWAL, WRISHAB TEKRIWAL
NAME OF OWNER

DECLARATION OF GEOTECHNICAL ENGINEER:-
THE SOIL CONDITION AND BEARING CAPACITY IS CHECKED BY ME CONSIDERING ALL POSSIBLE LOADS AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

JISHNU PAL
22/RJSON/G-T-I
RAJPUR-SONARPUR MUNICIPALITY
SIGNATURE OF GEO-TECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPERSTRUCTURE OF THE BUILDING AT R.S.DAG NO .- 1603, 1603, 1683,1684 & 1685, R.S. KHATIAN NO.- 361, 361, 238, 154 & 621 OF MOUZA- ELACHI, J.L. NO.- 70, RAJPUR SONARPUR MUNICIPALITY, WARD NO.- 26, P.S. - SONARPUR, DIST.- 24 PARGANAS (S), KOLKATA -700151, HAVE BEEN MADE BY ME CONSIDERING ALL THE POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

SANJIV J. PAREKH
E.S.E. NO.- 018
RAJPUR-SONARPUR MUNICIPALITY
NAME OF STRUCTURAL ENGINEER

CERTIFICATE OF ARCHITECT

I CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN AS PER PROVISION OF K.M.C. BUILDING RULES 2009 AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING WIDTH OF THE ABUTTING ROAD 14.38 M. (AVG). IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK THE LAND IS DEMARCATED BY BOUNDARY WALL

THE CONSTRUCTION OF SEMI UNDERGROUND WATER TANK / RESERVOIR AND SEPTIC TANK WILL BE COMPLETED BEFORE STARING OF BUILDING FOUNDATION WORK. THE EXISTING STRUCTURE DEMOLISHED BEFORE STARTING OF CONSTRUCTION & OCCUPIED BY OWNER .

Subir Kumar Basu
818 / RJP-SON / LBA
CONSULTING ARCHITECTS & ENGINEERS
4, BROAD STREET
KOLKATA -700019
NAME OF ARCHITECT

TITLE

SANCTION DRAWING

ARCHITECT
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KOLKATA – 700020 .
PHONE – 2485-5449/9, 2475-7614, TELEFAX.
E-Mail: spa_cons@yahoo.co.in

DRAWN BY –	CHECKED BY	DATE –	SCALE:
Tushar	Pranc		00.25.
JOB NO.	2025	129	WL
DRG. NO.–	2025 / 129 / SKB		

For SKYGLAZE REALCON LLP

Authorised Signatory