SCHEDULE OF COLUMN

ROOF & ABOVE LEVEL TO	10–~~20~~ 20T	4–20 ~~8~~ 16 T	12–~~20~~ 20T	6–20T + 4–16T	10–20T
2ND. FLOOR LEVEL TO FOUNDATION LEVEL	10–~~25~~ 25T	8–~~25~~ 25T +4–16T	12–~~25~~ 25T	10–~~25~~ 25T	16–20T
COL. MKD. / LEVEL	C1,C2,C3,C4,C5,C6,C7, C8,C9,C10,C17,C18,C19, C34,C35,C36,C37,C38, C41,C42,C43,C44,C45, C46,C47,C48,C49,C50, C51,C52,C53	C11,C13,C14,C16,C20, C25,C26,C27,C31,C33	C12,C15,C21,C30, C32,C39,C40	C22,C24,C28,C29,	C23

All columns: 300x450, M-25

STIRRUP 8 ~~T~~ @ 75 C/C

BEAM SCHEDULE

GRADE OF CONCRETE - M25

BEAM MKD.	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250	500	4–16 T	3–16 T	4–16 T	3–16 T	8 T @100C/C	8 T @200C/C
B2	250	500	3–20 T 2–20 T	2–20 T	3–20 T	3–20 T 2–20 T	8 T @100C/C	8 T @200C/C
B3	250	500	3–16 T	3–16 T	3–16 T	3–16 T	8 T @100C/C	8 T @200C/C

SCHEDULE OF FLOOR AND ROOF SLAB

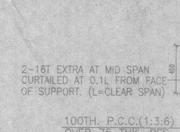
PANEL MKD.	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(125 TK.)	8 TOR @125 C/C(Top)	8 TOR @150 C/C(Top)
	8 TOR @150 C/C(Bott.)	8 TOR @175 C/C(Bott.)
S2(115 TK.)	8 TOR @150 C/C(Top)	8 TOR @175 C/C(Top)
	8 TOR @175 C/C(Bott.)	8 TOR @150C/C(Bott.)

PILE CAP SCHEDULE

GRADE OF CONCRETE - M25

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
2P	800X2300	~~750~~ 900	12 @200 C/C (T) 16 @100 C/C (B)	4L-10@ 150 C/C
3P	AS SOWN	~~750~~ 900	12 @200 C/C (T) 16 @100 C/C (B)	12 @200 C/C (T) 16 @100 C/C (B)
4P	2300X2300	~~900~~ 1100	12 @200 C/C (T) 16 @100 C/C (B)	12 @200 C/C (T) 16 @100 C/C (B)
5P	2300X3389	~~900~~ 1100	16 @100 C/C (T) 16 @100 C/C (B)	16 @100 C/C (T) 16 @100 C/C (B)
6P	2300X3800	~~1000~~ 1100	16 @100 C/C (T) 16 @100 C/C (B)	16 @100 C/C (T) 16 @100 C/C (B)
11P	3389X5300	1200	16 @100 C/C (T) 16 @100 C/C (B)	16 @100 C/C (T) 16 @100 C/C (B)

VETTED
Dipesh Majumdar
Dr. Dipesh Majumdar
BE, ME (Structure), PhD
Assistant Professor
Department of Construction Engineering
Jadavpur University



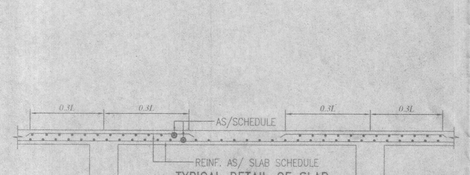
DETAIL OF TIE BEAM
MKD. TB–2(250X500).
SCALE - 1:30

NOTES AND SPECIFICATION

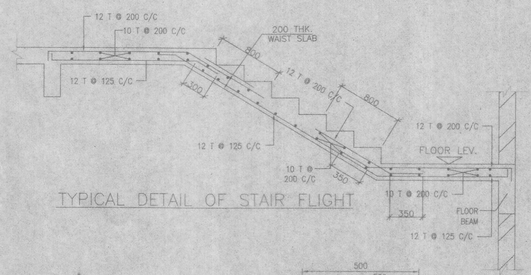
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMIDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMENCING
3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M25. UNLESS OTHERWISE NOTED.
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
7. FOR STEEL GRADE Fe 500 AS PER I.S 1786–2008.
8. ALL DISTRIBUTION BARS ARE 8T @ 250 C/C AND TO BE PROVIDED.
9. ALL CHAIRS ARE 10T AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE 25T @ 300 C/C AND TO BE PROVIDED.
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS DIA OF BAR.
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. PILE	50	50	50
b. PILE CAP	75	75	75
c. COLUMN	40	40	40
d. FLOOR BEAM.	30	30	30
e. TIE BEAM.	30	30	30
f. FLOOR SLAB.	20	20	20

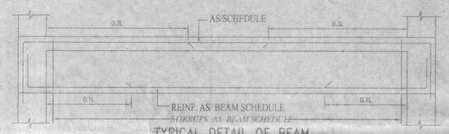
14. SPECIFIC GRAVITY OF THE BENTONITE SHALL BE MAINTAINED AT 1.1 TO 1.2 BEFORE CASTING OF PILE.



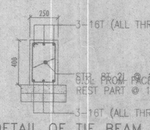
TYPICAL DETAIL OF SLAB
SCALE - 1:25



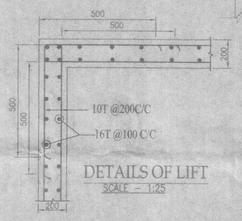
TYPICAL DETAIL OF STAIR FLIGHT



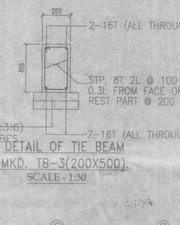
TYPICAL DETAIL OF BEAM
SCALE - 1:25



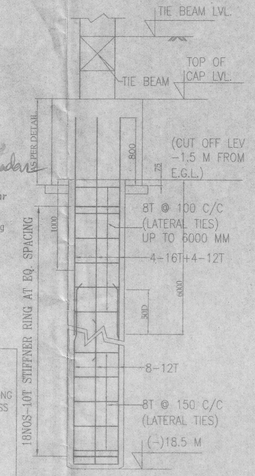
DETAIL OF TIE BEAM
MKD. TB–1(250X500)
SCALE - 1:30



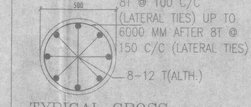
DETAILS OF LIFT
SCALE - 1:25



DETAIL OF TIE BEAM
MKD. TB–3(200X500).
SCALE - 1:30



TYPICAL DETAIL OF PILE
SCALE - 1:25

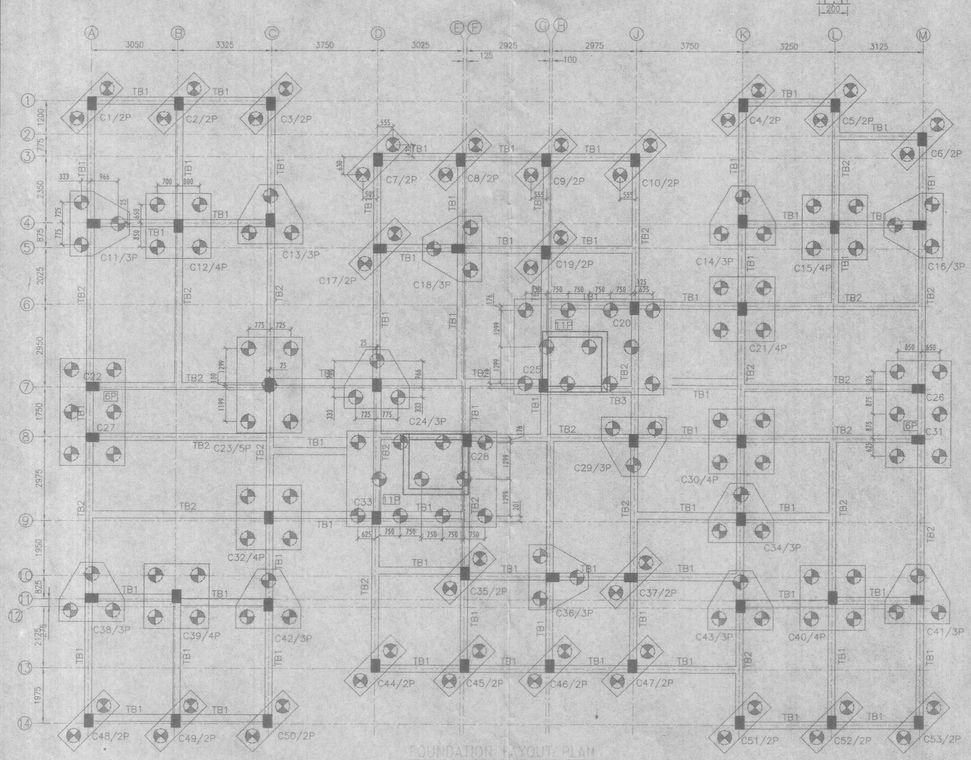


TYPICAL CROSS SECTION OF PILE

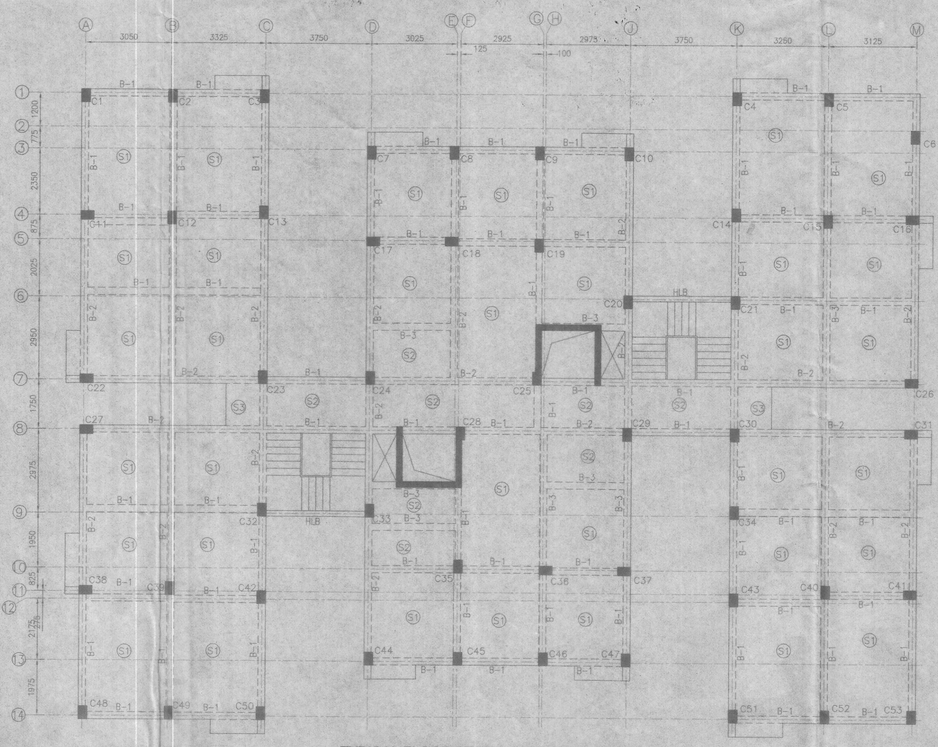
2.5 MM Ø ELECTROD SHALL BE USED FOR WELDING ONLY

MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³

TYPE	DIA OF PILE	CUT–OF LEV.	REINFORCEMENT	CAPACITY
	450 ø	(–)1.5M	8–12 TOR	42.2T



FOUNDATION LAYOUT PLAN
SCALE–1:100
TOWER–A



TYPICAL FLOOR BEAM LAYOUT PLAN
SCALE – 1:100
TOWER–A

PROJECT: PROPOSED G+IV STORIED RESIDENTIAL BUILDING AT MOUZA–PASCHIM BARISHA, J.L. NO–119, LR DAG.NO - 2122, L.R KHATIAN NO 9723, 9722, 9728, 9666, 9889, 9665, 9667, 9668, 9725, 9724, 9890, 7424, 9726 & 9727 P.S–THAKURPUKUR, DIST–24 PGS(S), UNDER ASHUTI GRAM PANCHAYET 2 COMPLYING SOUTH TWENTY FOUR PARGANAS BUILDING RULES SUPERSEDING TO BUILDING PLAN VIDE MEMO NO. 1367/ZP/ENGG/BP/22 DATED 28.07.22 OF THE DISTRICT ENGINEER, SOUTH 24 PGS ZILLA PARISAD AND FURTHER VIDE MEMO NO. 711/1 (2)/PS DATED 27.09.22 OF EXECUTIVE OFFICER, THAKURPUKUR MAHESTALA PANCHAYET SAMITY, 24PGS(S).

DECLARATION OF ARCHITECT:

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF SOUTH 24 PGS BUILDING RULES, AS AMENDED FROM TIME TO TIME AND THE SITE CONDITION INCLUDING THE ABUTTING ROAD IS CONFORM WITH THE PLAN. IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THE SITE IS FULLY OCCUPIED BY THE OWNER.

AR. PALLAB KUMAR GIRI
CA/2015/69526
SIG. OF THE ARCHITECT

DECLARATION OF STRUCTURAL ENGINEER.

THE STRUCTURE DESIGN AND DRAWING OF THE BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER IN.B.C. OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.
SOIL TESTING REPORT HAS BEEN DONE BY ..... OF ..... FROM ..... HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATIONS.
THE BUILDING IS STRUCTURALLY SAFE FOR G+4 STOREY AND FOR ALL SITUATIONS INCLUDING NATURAL DESASTERS, AS APPLICABLE, AS STIPULATED UNDER PART 6 STRUCTURAL DESIGN OF THE NATIONAL BUILDING CODE OF INDIA AND OTHER RELEVANT CODES.

MS. MITA SAHA
M.I.E., M.E. (Struct), C.E.
K.M.C., ESE–92 (1)
SIG. OF THE STRUCTURAL ENGINEER

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT, I SHALL ENGAGE ARCHITECT DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF ARCHITECT CONSTRUCTION OF THE BUILDING. SOUTH 24 PGS ZILLA PARISAD AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE IF ANY DOCUMENT ARE FAKE. THE AUTHORITY MAY REVOKE THE SANCTION PLAN.

1. JANITA ROY
2. DINESH PATEL
3. VIJAY SINGH BAID
4. SUCHITRA CHONGDAR
5. SURAJ MAHATA
6. MANOJ KUMAR CHHALANI
7. MAYANK BAID
8. OMHAR BAID
9. VINAY JAIN
10. AKSHITA JAIN
PALLAVI CHHAJER
HARSH CHHAJER
OR RAJ KUMAR CHHAJER
NITA ROY CHHAJER

CONSTITUTED ATTORNEY OF
KLK Realty (OPC) PVT. LTD.
Director

SIGNATURE OF THE OWNER (S)

APPROVAL:

PRINCIPAL ARCHITECT:
PALLABGIRI ARCHITECTURE
Kolkata I Bhubaneswar I Delhi
Contact: 9836011411 E-MAIL: info@pg-architecture.com
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TITLE :
FOUNDATION LAYOUT PLAN, SCHEDULE OF CAP,COLUMN, & TYPICAL DETAIL OF PILE, TIE BEAM. _TOWER-1

DRAWN BY :	S.SANTRA
CHECKED BY	M.SAHA
APPROVED BY	
SCALE : 1 : 100	DATE : 07.08.2023
DRAWING NO.	REVISION NO.
STR/T1	