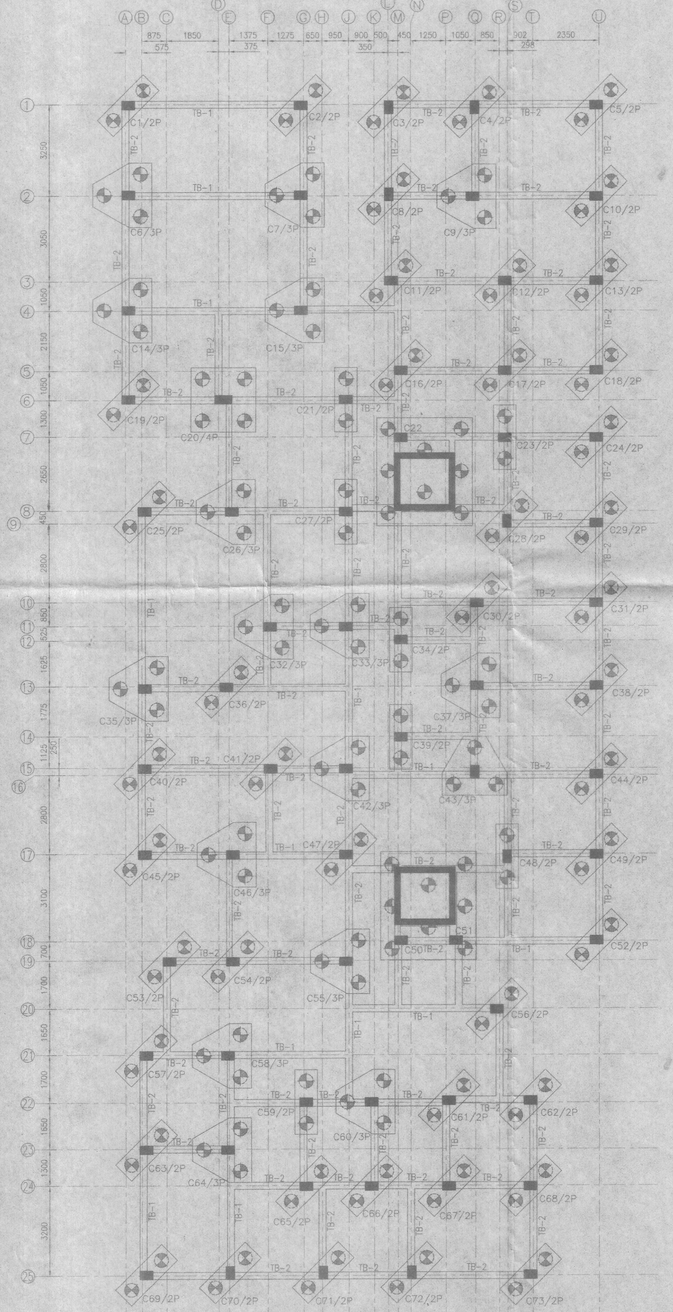
COLUMN SCHEDULE

GRADE OF CONCRETE - M25

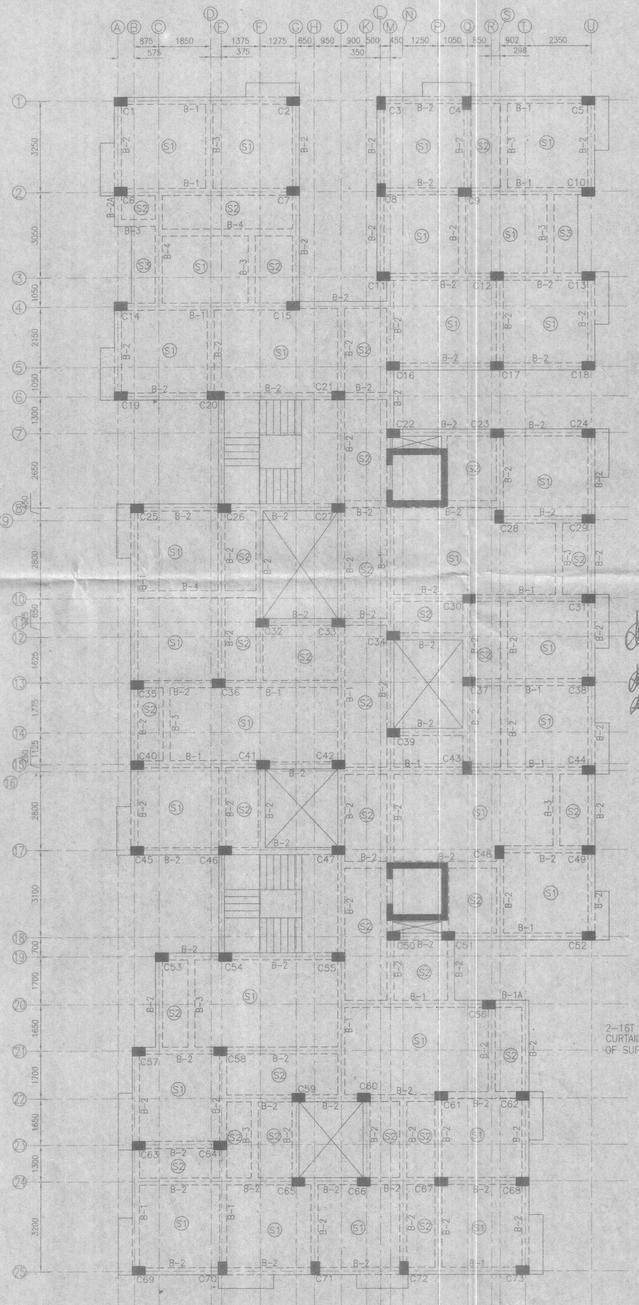
2ndFLOOR TO ROOF LVL	12 #16 TOR	4-20+8-16 TOR	8-16+6-12 TOR	6-16+4-12 TOR	4-20+8-16 TOR
FOUNDATION TO 2nd FLOOR	8-16 TOR +4-16 T 25	8-20+4-16 TOR 25	12-16 TOR 20	10-16 TOR 20	8-20+4-16 TOR
COL SIZE	300X450	300X450	300X450	300X450	300X600
LINK	8T @100C/C UP TO 750 FROM BEAM SOFFIT & SLAB TOP & REST PORTION 8T @200C/C 150				
COL MARKED	C1,C2,C3,C4,C5,C8TOC13, C16,C17,C18,G19,C21,C22, C23,C24,C25,C29TOC34, C36TOC47,C49,C50,C53, C54,C57 TO,C73	C6,C7,C15	C14,C26,C27,C51, C55,C56,	C28,C35,C48	C20



FOUNDATION LAYOUT PLAN

SCALE – 1:100

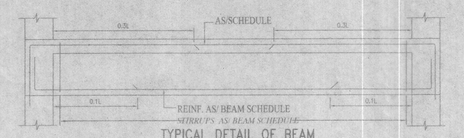
TOWER–D



TYPICAL FLOOR BEAM LAYOUT PLAN

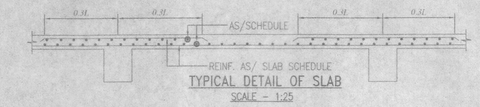
SCALE – 1:100

TOWER–D



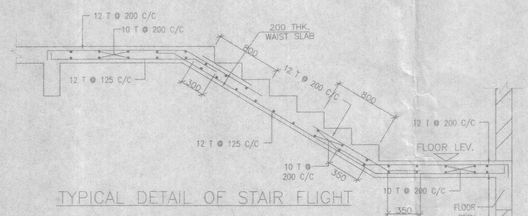
TYPICAL DETAIL OF BEAM

SCALE – 1:25



TYPICAL DETAIL OF SLAB

SCALE – 1:25



TYPICAL DETAIL OF STAIR FLIGHT

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.)
S3(150 TK.)	8 TOR @100 C/C(Top)	8 TOR @150 C/C(Top)
	8 TOR @150 C/C(Bott.)	8 TOR @175 C/C(Bott.)

BEAM SCHEDULE

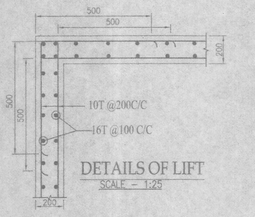
GRADE OF CONCRETE- M25

BEAM MKD.	BEAM SIZE		REINFT. AT SUPPT.		REINFT. AT SPAN		STIRRUPS	
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	250	500	3-16 T 2-20 T	3-16 T	3-16 T	3-16 T 2-20 T	8 T @100C/C	8 T @200C/C
B2	250	500	4-16 T	3-16 T	4-16 T	3-16 T	8 T @100C/C	8 T @200C/C
B3	250	500	2-16 T	3-16 T	2-16 T	3-16 T	8 T @100C/C	8 T @200C/C
B4	250	500	3-16 T	3-16 T	3-16 T	3-16 T 3-16 T	8 T @100C/C	8 T @200C/C

PILE CAP SCHEDULE

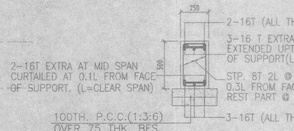
GRADE OF CONCRETE - M25

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)
8P	3389X3800	1200	12 @200 C/C (T) 16 @100 C/C (B)	12 @200 C/C (T) 16 @100 C/C (B)



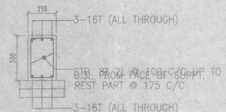
DETAILS OF LIFT

SCALE – 1:25



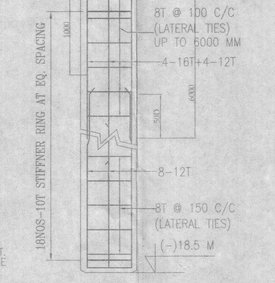
DETAIL OF TIE BEAM MKD. TB–1(250X500).

SCALE – 1:30



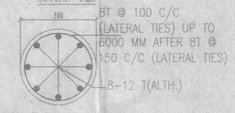
DETAIL OF TIE BEAM MKD. TB–2(250X500)

SCALE –1:30



TYPICAL DETAIL OF PILE

SCALE – 1:25



TYPICAL CROSS SECTION OF PILE

500

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	(–)11.5M	8–12 TOR	42.2T

NOTES AND SPECIFICATION

1. ALL DIMENSIONS ARE IN MM, UNLESS OTHERWISE MENTIONED.
2. ANY ABNORMITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING SUPER STRUCTURE / SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK.
3. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT
4. ALL GRADE OF CONCRETE ARE UNLESS OTHERWISE NOTED.
5. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
6. FOR STEEL GRADE Fe 500 AS PER I.S. 1786–2008.
7. ALL DEFORMATION BARS ARE TO Φ 250 C/C AND TO BE PROVIDED AT ALL BEAM ENDS, SLAB ENDS AND ALL CONSTRUCTION JOINTS.
8. ALL STIRRUPS SHALL BE AT 100 C/C AND TO BE PROVIDED AT 100 C/C AT BEAM ENDS.
9. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 Φ WHERE 'Φ' IS DIA OF BAR.
10. FOUNDATION & PLINTH / BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
11. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS.

MEMBER	TOP	BOTTOM	SIDE
a. PILE			
b. PILE CAP			
c. SLAB			
d. FLOOR BEAM			
e. TIE BEAM			
f. FLOOR SLAB			

12. SPACING CURVATY OF THE STIRRUPS SHALL BE MAINTAINED AT 4 TO 5 D BEFORE CASTING OF PILE.

VETTED

Dipesh Majumdar

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

KLK Realty (OPC) PVT. LTD.

Director

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 N.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.
F.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 BUILDINGS. IF ANY DOCUMENT ARE FAKE, THE AUTHORITY REVOKE ITS SANCTION PLAN.

CONSTITUTED ATTORNEY OF
1. ANITA ROY
2. DINESH PATEL
3. VIJAY SINGH BAID
4. SUCHITRA CHONGDAR
5. SUPARNA NAHATA
6. MANOJ KUMAR CHHALANI
7. MAYANK BAID
8. MAHAK BAID
9. VINAY JAIN
10. AKSHITA JAIN
11. PALLAVI CHHAJER
12. HARSH CHHAJER
13. DR RAJ KUMAR CHHAJER
14. MITA ROY CHHAJER

SIGNATURE OF THE OWNER (S)

APPROVAL

PRINCIPAL ARCHITECT:

PALLABGIRI ARCHITECTURE

Kolkata | Bhubaneswar | Delhi
Contact : 9836021401, 9348, info@p-architecture.com
Web : pp-architecture.com

STRUCTURAL CONSULTANT:

MAK ENGINEERS.

AG-89, Sector-II, Salt-Lake City, Kolkata-700 091.
E-mail: mitasaha@yahoo.co.in, mita.saha@gmail.com.
Tel.:- 033 2334 8969

TITLE :

FOUNDATION LAYOUT PLAN, SCHEDULE OF CAP,COLUMN, & TYPICAL DETAIL OF PILE, TIE BEAM, – TOWER-4

DRAWN BY	S.SANTRA
CHECKED BY	M.SAHA
APPROVED BY	
SCALE : 1 :100	DATE : 07.08.2023
DRAWING NO. STR/T4	REVISION NO