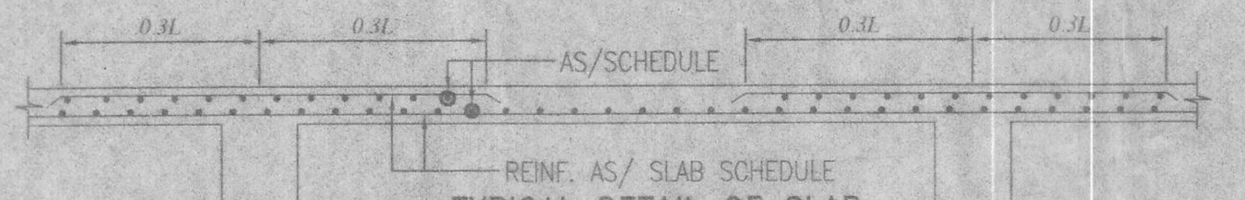
COLUMN SCHEDULE
GRADE OF CONCRETE - M25

2ndFLOOR TO ROOF LVL.	~~8~~ 12-16 TOR	6-16+4-12 TOR	6-20+4-16 TOR	6-16+6-~~12~~ 20 TOR
FOUNDATION TO 2nd FLOOR	8-~~16~~ 25 TOR +4-16 T	10-~~16~~ 20 TOR	10-~~20~~ 25 TOR	12-~~16~~ 20 TOR
COL SIZE	300X450	300X450	300X450	300X450
LINK	8T @100C/C UP TO 750 FROM BEAM SOFFIT & SLAB TOP & REST PORTION 8T @~~200~~ 150 C/C			
COL MARKED	C1,C3,C4,C5,C6,C7,C8 C9,C10,C11,C12,C13,C14, C15,C18,C16,C23,C24,C27, C28,C30,C31,C40,C41,C34, C35,C44,C45,C48,C49,C51, C52,C53,C57,C58,C59,C61, C62,C63,C63A,C64,C65, C66,C67,C68,C69,C70, C71,C72,C73,C19,C20,C21, C37,C39,C50	C22,C26,C54,C55,C56	C25,C36,C46,C47,C42 C43	C17,C29,C38,C32,C33, C60

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 + 2-16 T	2-16 T	3-20 T	3-20 T + 2-16 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
B4	200	500	2-16T + 2-20 T	2-20T	2-16 T	2-16 T + 2-20 T	8 T @100C/C	8 T @200C/C



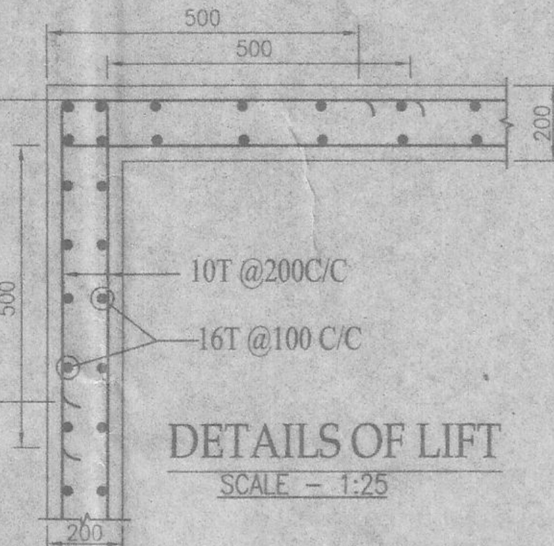
TYPICAL DETAIL OF SLAB
SCALE - 1:25

PILE CAP SCHEDULE
GRADE OF CONCRETE - M25

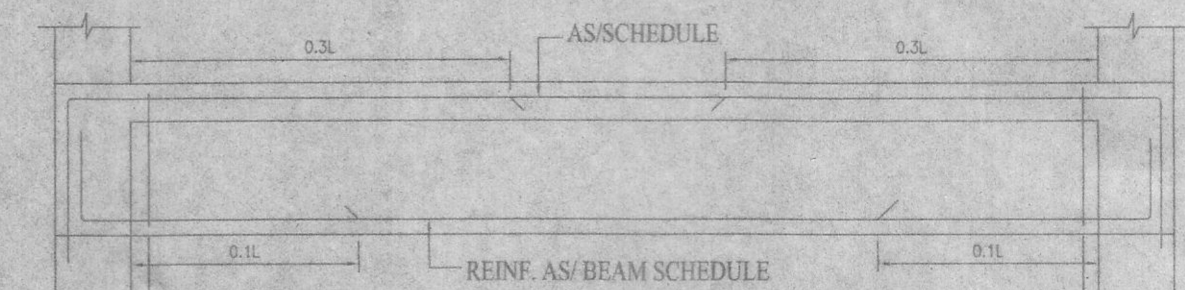
TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
2P	800X2300	~~750~~ 900	12 @200 C/C (T) 16 @100 C/C (B)	4L-10@ 150 C/C
3P	AS SOWN	~~750~~ 900	12 @200 C/C (T) 16 @100 C/C (B)	12 @200 C/C (T) 16 @100 C/C (B)
6P	2300X3800	~~1000~~ 1100	16 @100 C/C (T) 16 @100 C/C (B)	16 @100 C/C (T) 16 @100 C/C (B)
8P	2300X5300	1200	16 @100 C/C (T) 16 @100 C/C (B)	16 @100 C/C (T) 16 @100 C/C (B)

SCHEDULE OF FLOOR AND ROOF SLAB

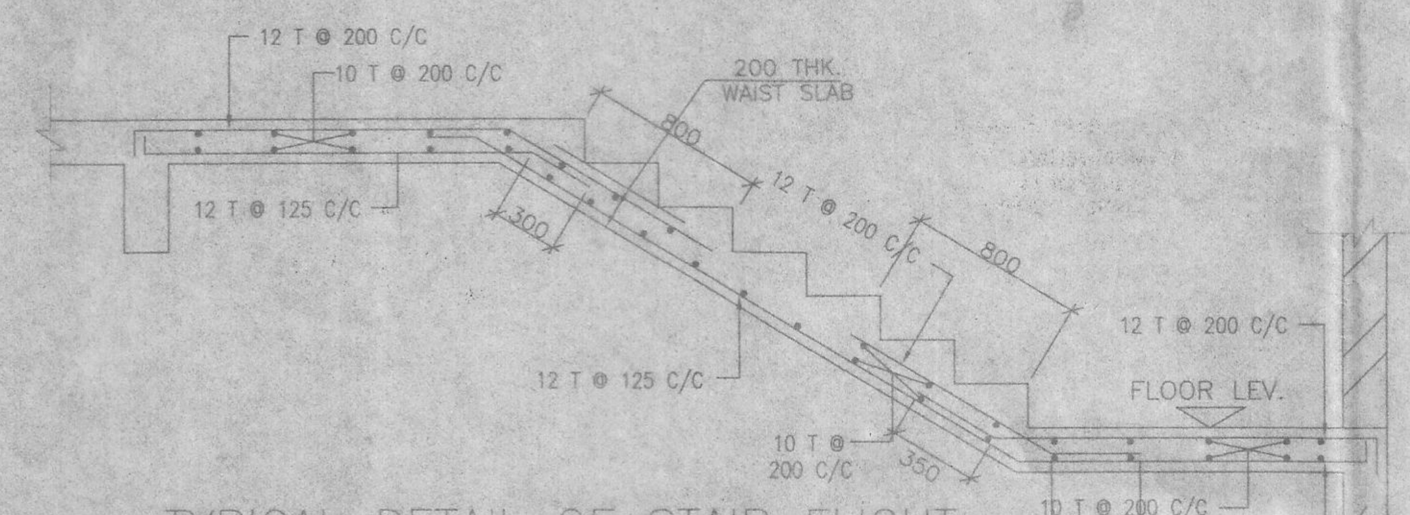
PANEL MKD.	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
S1(125 TK.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)
S2(115 TK.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)	8 TOR @175 C/C(Top) 8 TOR @150C/C(Bott.)
S3(150 TK.)	8 TOR @125 C/C(Top) 8 TOR @150 C/C(Bott.)	8 TOR @150 C/C(Top) 8 TOR @175 C/C(Bott.)



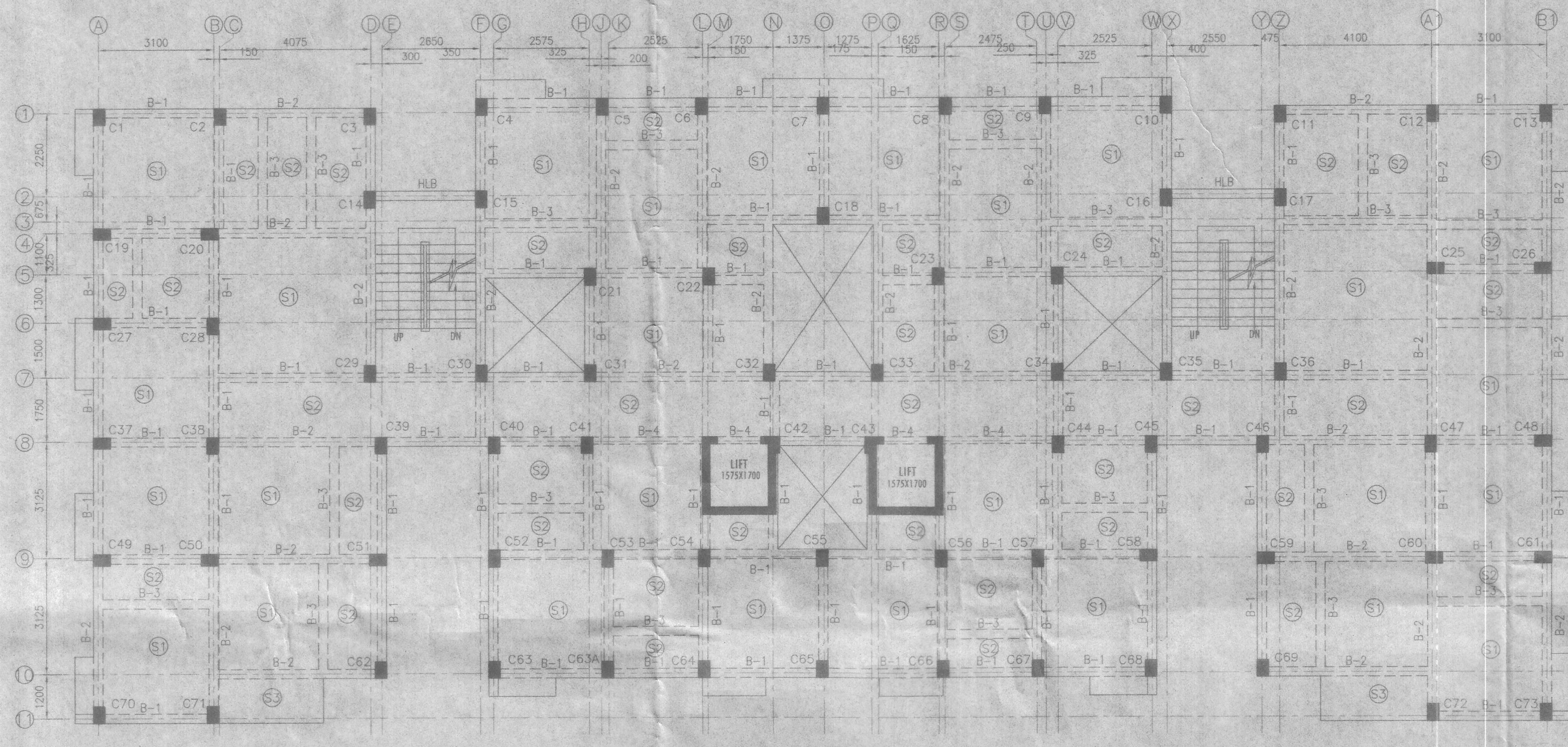
DETAILS OF LIFT
SCALE - 1:25



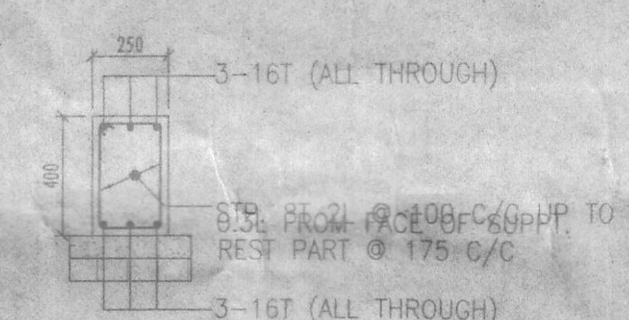
TYPICAL DETAIL OF BEAM
SCALE - 1:25



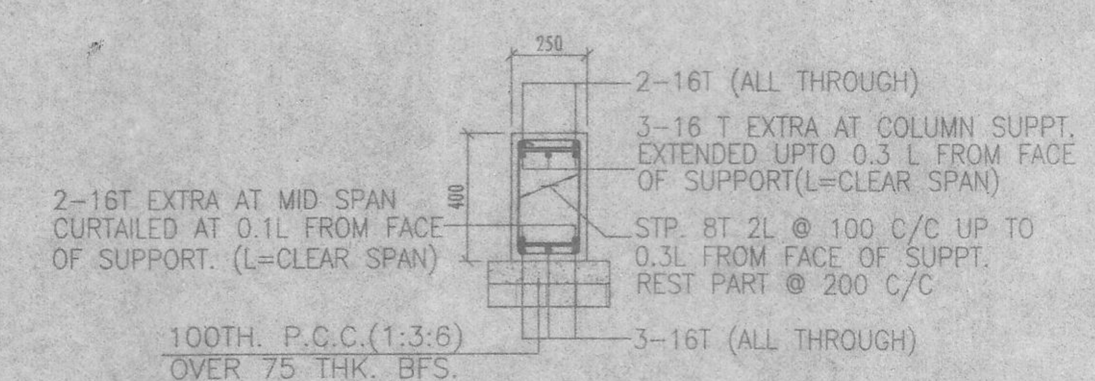
TYPICAL DETAIL OF STAIR FLIGHT



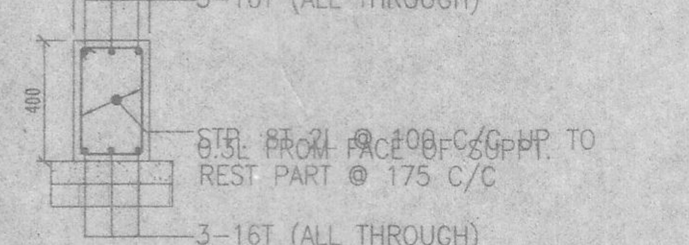
TYPICAL FLOOR BEAM LAYOUT PLAN
SCALE - 1:100
TOWER-C



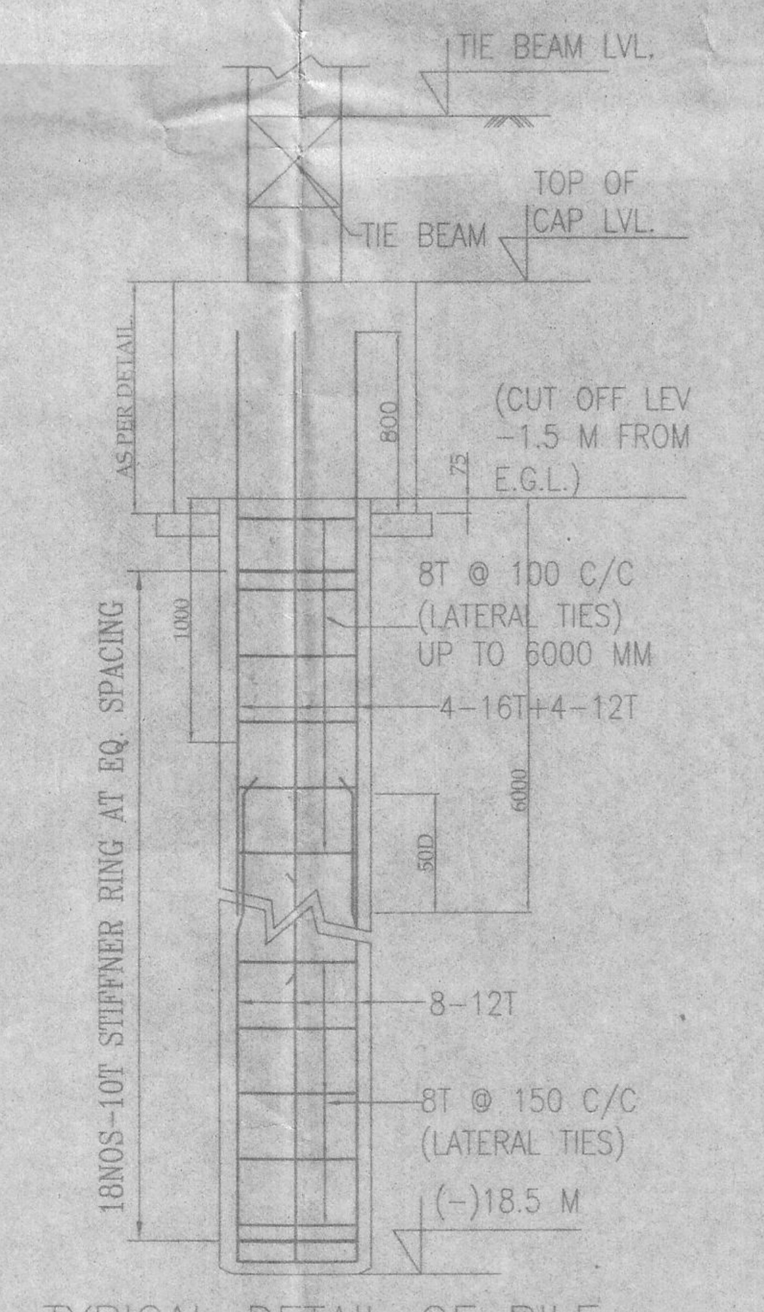
DETAIL OF TIE BEAM
MKD. TB-1(250X500)
SCALE -1:30



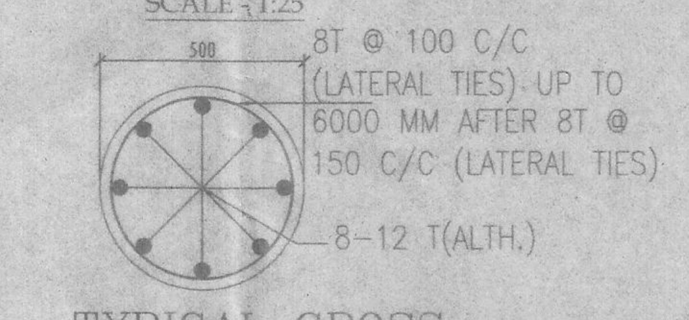
DETAIL OF TIE BEAM
MKD. TB-2(250X500)
SCALE -1:30



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

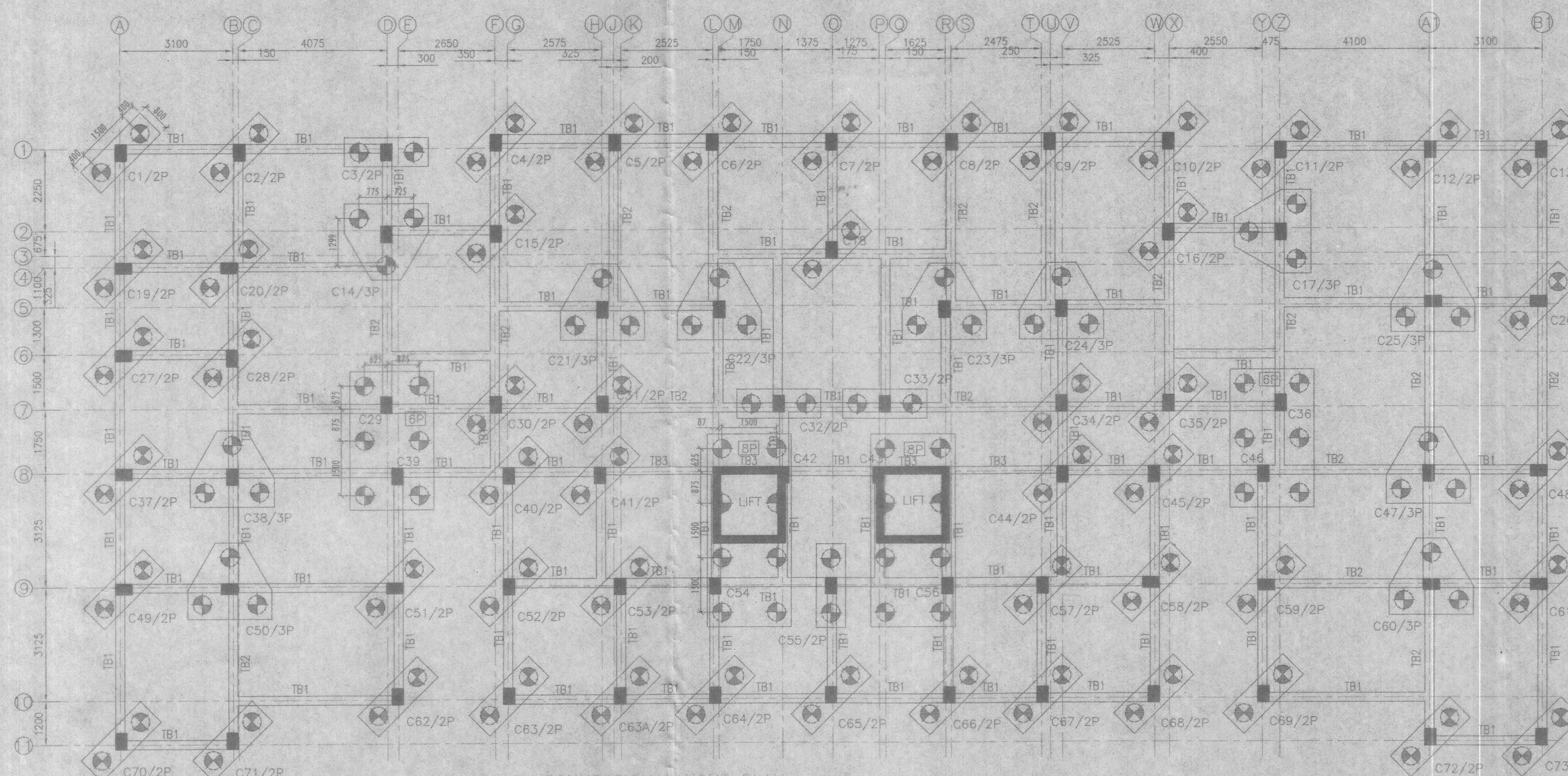


TYPICAL DETAIL OF PILE
SCALE - 1:25



TYPICAL CROSS SECTION OF PILE

2.5 MM Ø ELECTROD SHALL BE USED FOR WELDING ONLY



FOUNDATION LAYOUT PLAN
SCALE-1:100
TOWER-C

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
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT
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
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
    b. PILE CAP
    c. COLUMN
    d. FLOOR BEAM.
    e. TIE BEAM.
    f. FLOOR SLAB.
14. SPECIFIC GRAVITY OF THE BENTONITE SHALL BE MAINTAINED AT 1.1 TO 1.2 BEFORE CASTING OF PILE.

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

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

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

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/2015/69528
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.
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 ST[illegible] SUBMITTED DOCUMENT ARE FAKE, THE AUTHORITY [illegible] REVOKE THE SANCTION PLAN.

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

KLK Realty (OPC) PVT. LTD.
Director

SIGNATURE OF THE OWNER (S)

APPROVAL:

PRINCIPAL ARCHITECT:
PALLABGIRI ARCHITECTURE
Kolkata I Bhubaneswar I Delhi
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TITLE :
FOUNDATION LAYOUT PLAN, SCHEDULE OF CAP,COLUMN, & TYPICAL DETAIL OF PILE, TIE BEAM. _ TOWER-3

DRAWN BY :	S.SANTRA
CHECKED BY :	M.SAHA
APPROVED BY :	
SCALE : 1 : 100	DATE : 07.08.2023
DRAWING NO.	REVISION NO.
STR/T3	