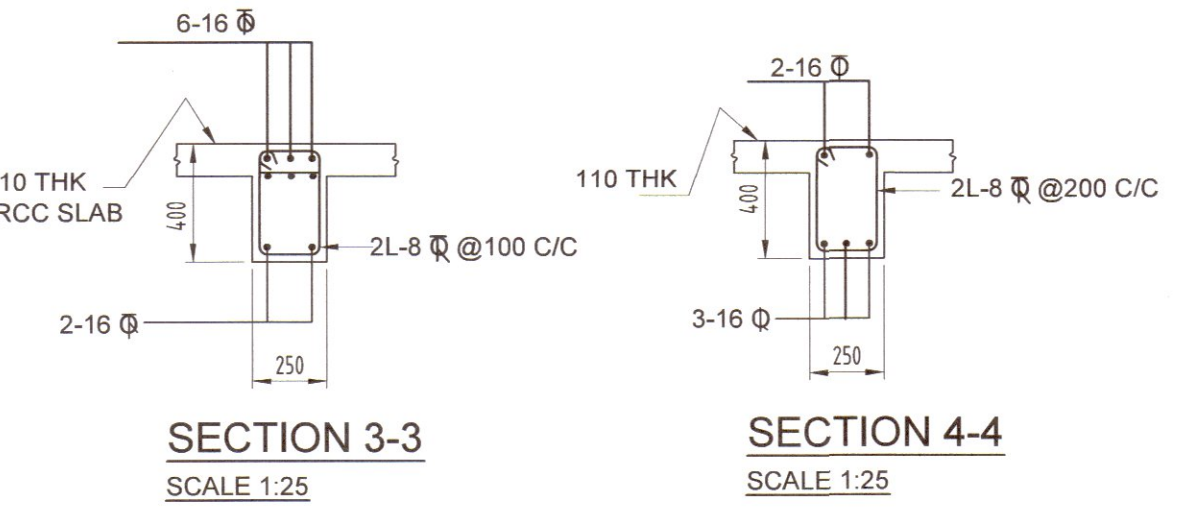
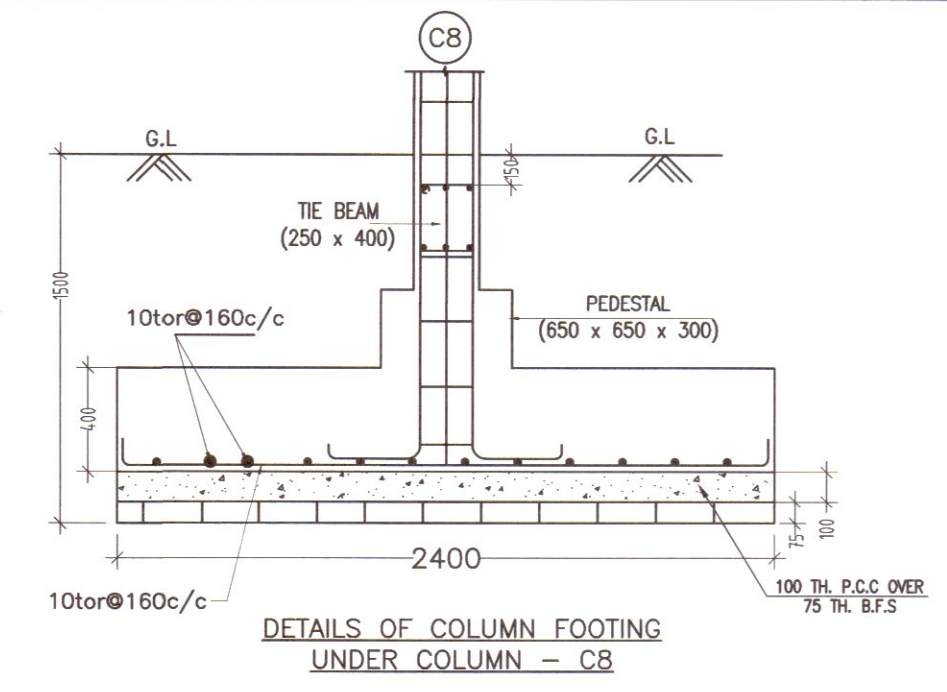
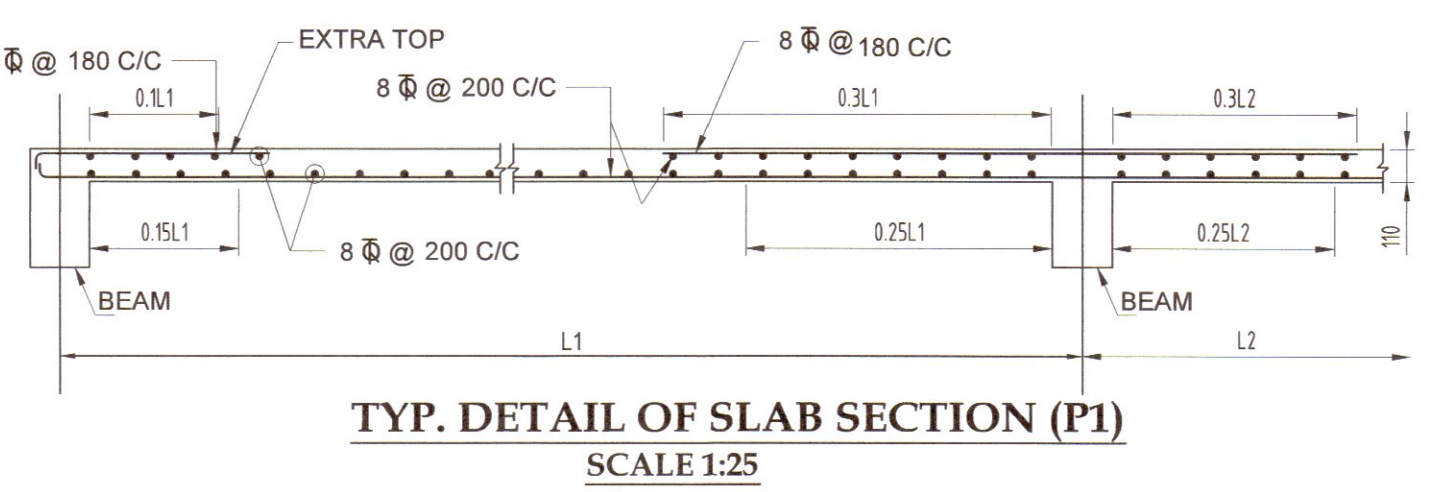
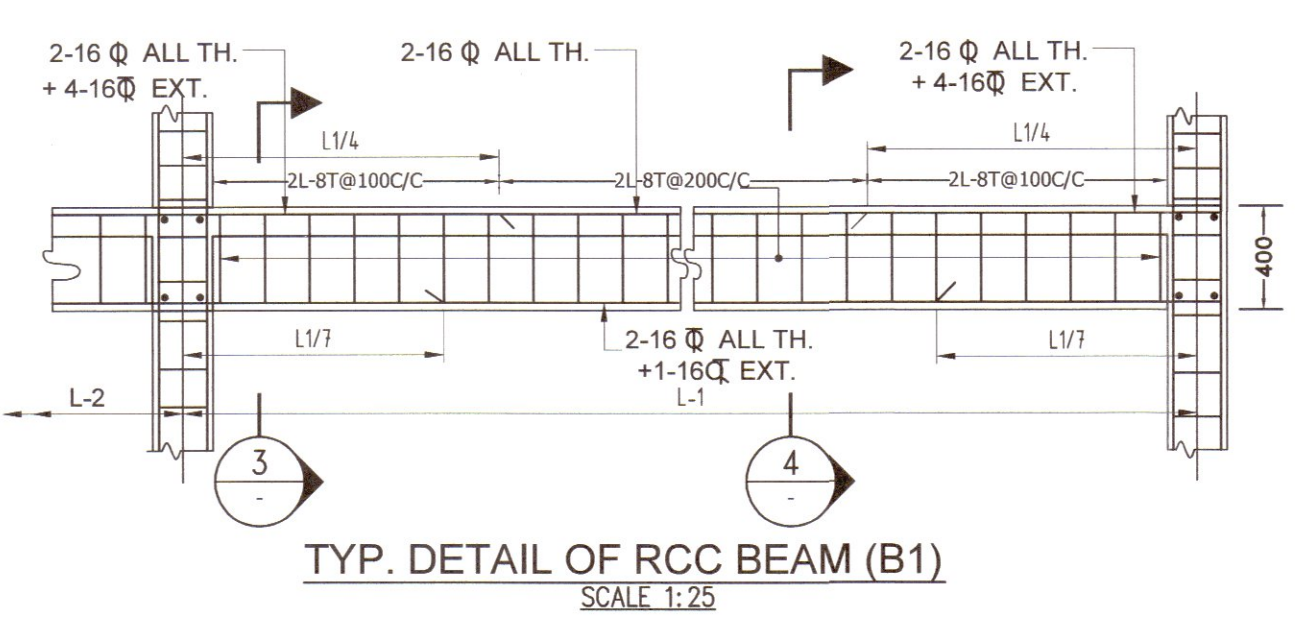


REVISED ON
 Date: 01.12.2022
 Approved by
 Assistant Engineer
 ULUBERIA MUNICIPALITY

Approved by the C-in-C in the building Meeting held on 09.01.2020 Valid up to 08.01.2023



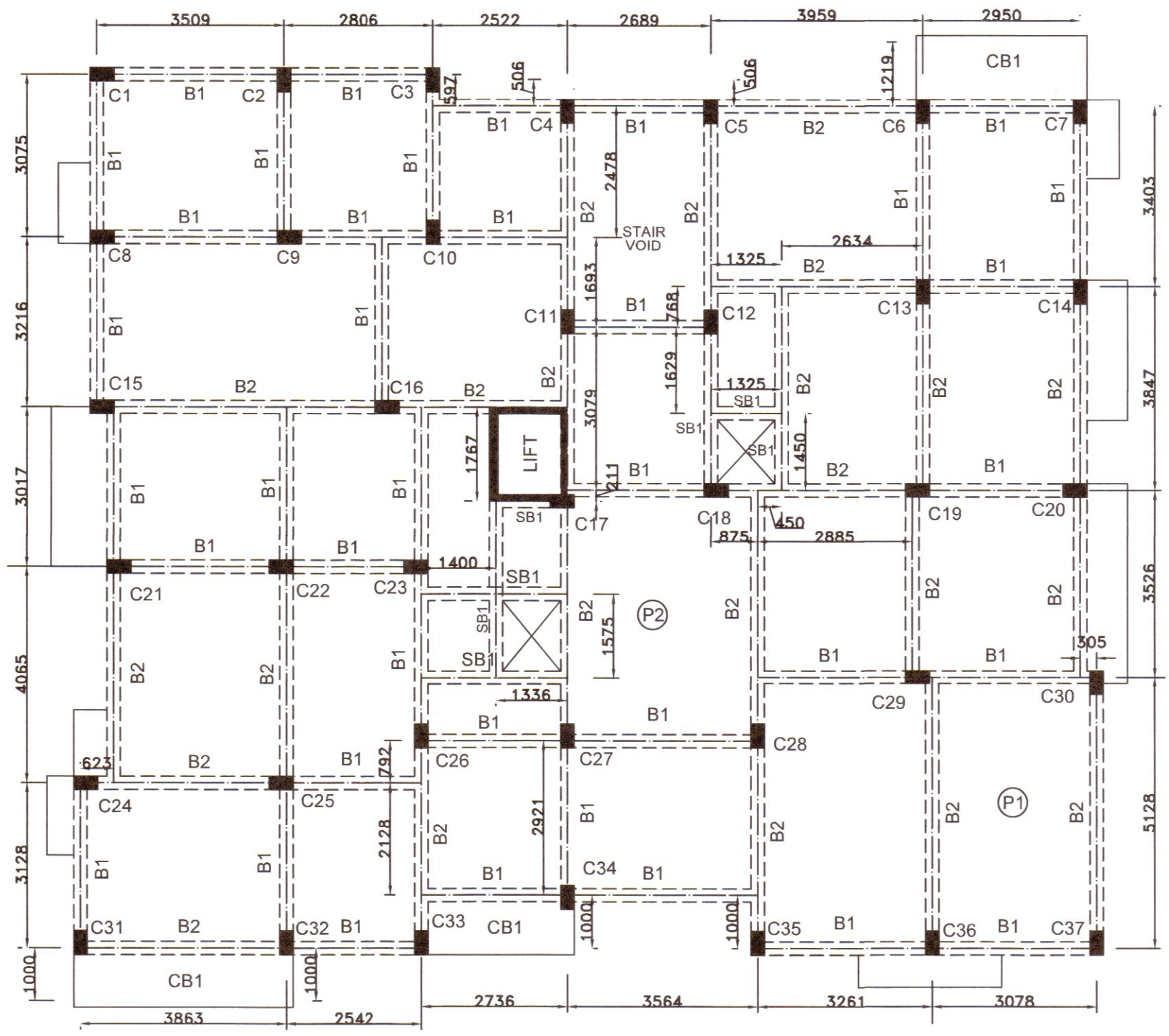
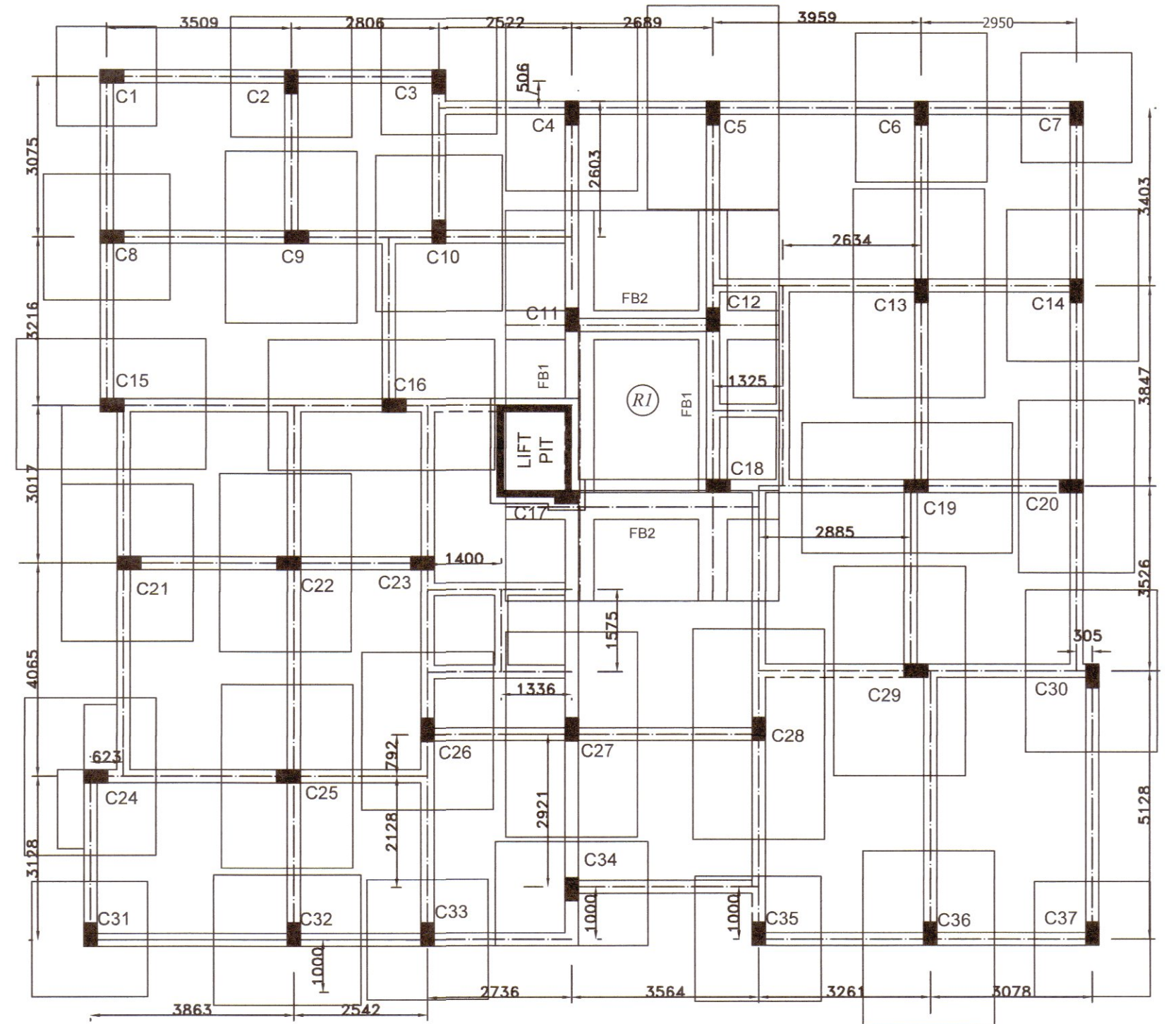
PANEL MKD.	THICKNESS OF SLAB	SHORTER DIRECTION		LONGER DIRECTION	
		SUPPORT TOP	SPAN BOTTOM	SUPPORT TOP	SPAN BOTTOM
		P1	110 mm	8-TOR@180C/C	8-TOR@200C/C
P2	120 mm	8-TOR@200C/C	8-TOR@200C/C	8-TOR@200C/C	8-TOR@200C/C
ALL PANEL	110 mm	8-TOR@200C/C	8-TOR@200C/C	8-TOR@200C/C	8-TOR@200C/C
ANTILIFT	150mm	8-TOR@100C/C	8-TOR@200C/C	8-TOR@200C/C	8-TOR@200C/C

BEAM MKD.	SIZE OF BEAM	LONGITUDINAL REINFORCEMENT					
		SUPPORT			SPAN		
		TOP	BOTT.	STIRRUPS	TOP	BOTT.	STIRRUPS
B1	250x400	6-16	2-16	2L-8 @100 c/c	2-16	3-16	2L-8 @200 c/c
B2	250x400	8-16	5-16	2L-8 @100 c/c	3-16	5-16	2L-8 @200 c/c
SB1	250x400	3-12	3-12	2L-8 @200 c/c	3-12	3-12	2L-8 @200 c/c

BEAM MKD.	BEAM SIZE	REINFORCEMENTS				STIRRUPS
		AT SUPPORT		AT SPAN		
		TOP	BOTT.	TOP	BOTT.	
FB1	550X650	6-20	15-20	6-20	5-20	4L-10T@130 MM. C/C
FB2	550X650	3-20	6-20	3-20	3-20	4L-8T@130 MM. C/C

PANEL MKD.	THICKNESS OF SLAB	SHORTER DIRECTION		LONGER DIRECTION	
		SUPPORT TOP	SPAN BOTTOM	SUPPORT TOP	SPAN BOTTOM
		R1	400 mm	10-TOR@110C/C	10-TOR@110C/C

COLN. MKD.	FOUNDATION TO 2ND FL.		2ND FL. TO 4TH FL.		4TH FL. TO ROOF LEV. / STAIR ROOF LEV.		LATERAL TIE
	SIZE	REINF.	SIZE	REINF.	SIZE	REINF.	
	C5,C11,C12,C13,C16,C17,C27,C28,C29	250X500	4-20 + 4-16	250X500	8-16	250X500	
C9,C15,C18,C22,C23,C25,C36	250X500	8-16	250X500	4-16 + 4-12	250X500	4-16 + 4-12	2L-8 @ 190 c/c
C4,C6,C10,C14,C20,C21,C24,C26,C30	250X500	4-16 + 4-12	250X500	4-12 + 4-16	250X500	4-16 + 4-12	2L-8 @ 190 c/c
C8,C32,C34,C35	250X400	8-16	250X400	4-16 + 4-12	250X400	8-12	2L-8 @ 190 c/c
C1,C2,C3,C7,C31,C33,C37	250X400	4-16 + 4-12	250X400	8-12	250X400	8-12	2L-8 @ 190 c/c
C19	250X750	8-16	250X750	8-16	250X750	8-16	2L-8 @ 190 c/c



COLN. MKD.	SIZE OF FOOTING	SIZE OF PEDESTAL	THK. OF FOOTING SLAB	REINFORCEMENT	
				LONGER DIRECTION	SHORTER DIRECTION
C16	2500X4300				
C29,C28,C13,C19	2500X4000	650 x 650 x 300	550	12TOR @90c/c	10TOR @130c/c
C5,C27	2500X3900				
C4,C23	2500X3200				
C9	2500X3300				
C15	2500X3600	650 x 650 x 300	500	12TOR @125c/c	10TOR @150c/c
C22,C36	2500X3400				
C25	2500X3500				
C30	2500X3100				
C24,C21,C26	2500X3000				
C6	2500X2850				
C32	2500X2800	650 x 650 x 300	500	10TOR @130c/c	10TOR @150c/c
C10	2400X3000				
C14	2500X2900				
C1	1900X1900				
C2,C33	2300X2300				
C37,C35,C3,C31	2200X2200	650 x 650 x 300	400	10TOR @160c/c	10TOR @160c/c
C7	2100X2100				
C8	2400X2400				
C20	2200X3300	650 x 650 x 300	500	10TOR @100c/c	10TOR @160c/c
C34	2400X3400				

- SPECIFICATION**
- ALL DIMENSION ARE IN M.K.S SYSTEM.
 - ALL BRICK WORK SHALL BE OF CEMENT MORTAR (1:6) WITH FIRST CLASS BRICK.
 - ALL 125 TH. BRICK WORK SHALL BE OF (1:4) CEMENT MOTAR.
 - ALL P.C.C. WORK SHOULD BE OF M15 GRADE CEMENT CONCRETE.
 - ALL R.C.C. WORK SHALL BE OF M20 GRADE.
 - PLASTERING SHALL BE OF 10mm. TH. FOR CEILING PLASTER WITH 1:4 CEMENT MORTAR, 15mm. TH FOR INSIDE WALL WITH 6:1 CEMENT MORTAR, 20mm. TH. FOR OUTSIDE WALL PLASTER WITH 4:1 CEMENT MOTAR.
 - GRADE OF STEEL HAS BEEN TAKEN AS Fe 415.
 - CLEAR COVER TO MAIN REINFORCEMENT-(a) SLAB- 20 MM., b) BEAM- 25 MM.

UNDERTAKING
 I SHALL CONNECT MY SEWER LINE WITH THE MUNICIPAL SEWER WHENEVER AVAILABLE IN MY SITE AT MY OWN COST.

TYPE	MKD.	SIZE	FRAME
WINDOW	W	1500X1200	75X75
WINDOW	W1	1200X1200	75X75
WINDOW	W3	600X600	75X50
DOOR	D1	900X2100	75X75
DOOR	D2	750X2100	75X75
DOOR	D	1050X2100	75X75

PROJECT
 REVISED G+V BUILDING PLAN
 IN REF. SANCTIONED BUILDING PLAN ON DATED :- 26-04-2013 OF OWNER - SUMANTA CHANDRA, S/O - RABINDRANATH CHANDRA, SMT. MADHUMITA GHOSH (CHANDRA), W/O - SUMANTA CHANDRA, ON DAG NO. - 1563 & 1577 (C.S.), 1525 & 1539 (L.R.), L.R. KH. NO.-1014,1462,157,1742 & 2112, MUTED KH. NO.- 4475 & 4477, MOUZA -FULESWAR, J.L. NO.- 108, UNDER WARD NO.- 20, OF ULUBERIA MUNICIPALITY, P.S. - ULUBERIA, DIST- HOWRAH.

THE STRUCTURAL DESIGNS AND DRAWINGS OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND AS PER SOIL REPORT PRODUCED BY SOILEX-483/B.T. ROAD KOL-80, & CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

K. Sarkar
 KUNAL KANTI SARKAR
 E.E. (Cal), M.E. (Cal)
 Consulting Engineer (Structural)
 E.S.E. : II / 7401
 Calcutta Municipal Corporation

KUNAL KANTI SARKAR
 E.S.E. NO. - 74 (II)
 [Kolkata Municipal Corporation]
 SIGNATURE OF E.S.E.

SIGN. OF OWNER'S
 Sandip Kr. Samanta
 Sandip Kr. Samanta
 Civil Engineer
 L.No. UM/LB/S/1104/2017
 Fuleswar, Uluberia, Howrah
 Mob-9830816702

SIGN. OF L.B.S.