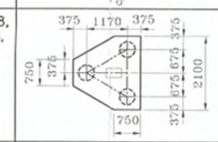
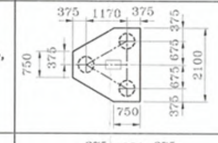
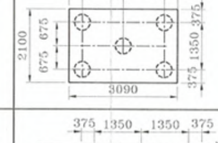
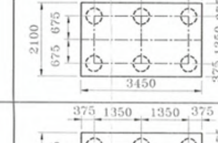
SCHEDULE OF COLUMN

ROOF												
6TH FLOOR 5TH FLOOR	M-20 2-16T 4-16 T + 4-12 T 300X500 2-16T	M-20 8-16 T 300X500	M-20 12-25 T 450X450	M-20 12-20 T 350X650	M-20 2-16T 4-16 T + 8-12 T 350X600 2-16T	M-20 12-16 T 350X650	M-20 2-20T 4-20 T + 8-16 T 350X650 2-20T	M-20 2-20T 4-20 T + 8-16 T 350X600 2-20T	M-20 8-20 T 300X500	M-20 2-20T 4-20 T + 4-16 T 300X500	M-20 2-16T 4-16 T + 8-12 T 350X725 2-16T	M-20 2-25T 4-25 T + 4-20 T 300X500 2-25T
4TH FLOOR 3RD FLOOR	M-20 8-16 T 300X500	M-20 2-20T 4-20 T + 4-16 T 300X500 2-20T	M-20 12-25 T 450X450	M-20 2-16T 12-20 T + 4-16 T 350X650 2-16T	M-20 12-16 T 350X600	M-20 2-20T 4-20 T + 8-16 T 350X650 2-20T	M-20 2-20T 4-20 T + 8-16 T 350X650 2-20T	M-20 2-20T 4-20 T + 8-16 T 350X600 2-20T	M-20 8-20 T 300X500	M-20 8-20 T 300X500	M-20 12-16 T + 350X725	M-20 8-25 T 300X500
2ND FLOOR 1ST FLOOR	M-20 2-20T 4-20 T + 4-16 T 300X500 2-20T	M-20 8-20 T 300X500	M-20 12-25 T 450X450	M-20 16-20 T 350X650	M-20 2-20T 4-20 T + 8-16 T 350X600 2-20T	M-20 12-20 T 350X650	M-20 2-25T 4-25 T + 8-20 T 350X725 2-25T	M-20 2-25T 12-20 T + 350X725 2-25T	M-20 2-25T 4-25 T + 4-20 T 300X500 2-25T	M-20 2-25T 4-25 T + 4-20 T 300X500 2-25T	M-20 2-20T 4-20 T + 8-16 T 350X725 2-20T	M-20 8-25 T 300X500
GROUND FL. FOUNDATION	M-30 8-20 T 300X500	M-30 8-20 T 300X500	M-30 12-25 T 450X450	M-30 16-20 T 350X650	M-30 2-20T 4-20 T + 8-16 T 350X600 2-20T	M-30 12-20 T 350X650	M-30 2-25T 8-25 T + 8-20 T 350X725 2-25T	M-30 2-25T 12-20 T + 350X725 2-25T	M-30 2-25T 4-25 T + 4-20 T 300X500 2-25T	M-30 8-25 T 300X500	M-30 12-20 T 350X725	M-30 8-25 T 300X500
LEVEL / COL. MKD.	C4,C12, C25,C25	C2,C3,C22,C24	C1,C5,C9	C6,C13	C7	C8	C10	C11	C14,C16,C18,C19	C15	C17	C20,C21

COLUMN LINKS AS SPECIFIED IN TYP. DET. OF COLUMN

SCHEDULE OF PILE CAPS

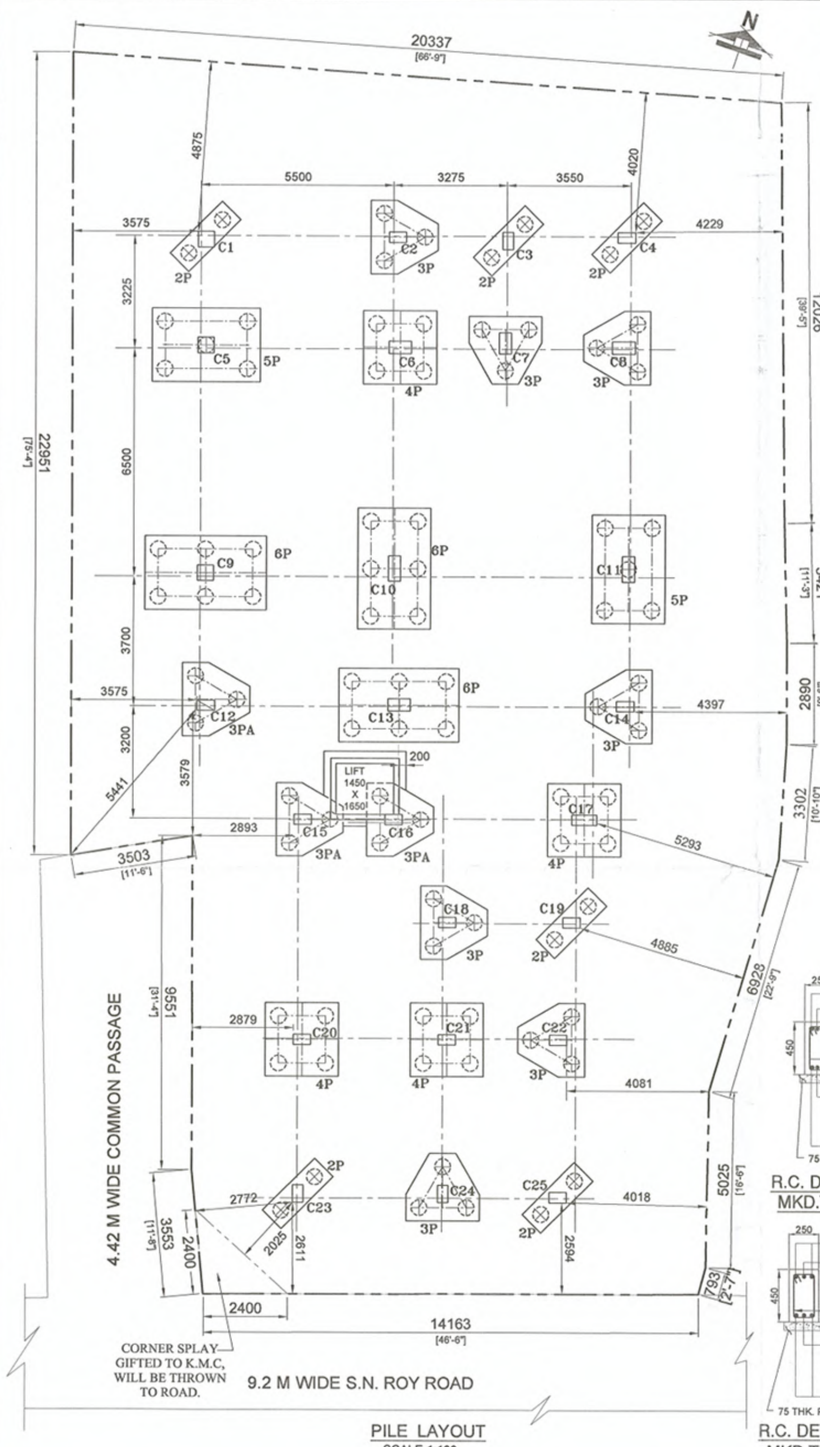
GROUP NO	DIA OF PILES	NO OF PILES	COLUMN NO.	PILE CAP SIZE LxBxD	CUT OFF LEVEL OF PILE (M)	DEPTH OF PILE CAP	CAPACITY OF PILE CAP	TERMINATION LEVEL
2P	450 DIA	2	C1,C3,C4, C19,C23, C25		(-) 1.5	850MM.	46 T	18.0 M
3P	450 DIA	3	C2,C7,C8, C14,C18, C22,C24		(-) 1.5	1000MM.		
3PA	450 DIA	3	C12,C15, C16		(-) 2.225	1000 MM.		
4P	450 DIA	4	C6,C17, C20,C21		(-) 1.50	1000MM.		
5P	450 DIA	5	C5,C11		(-) 1.50	1000MM.		
6P	450 DIA	6	C9,C10		(-) 1.50	1000MM.		
6P	450 DIA	6	C13		(-) 2.225	1000MM.		

SCHEDULE OF 2ND FLOOR BEAMS

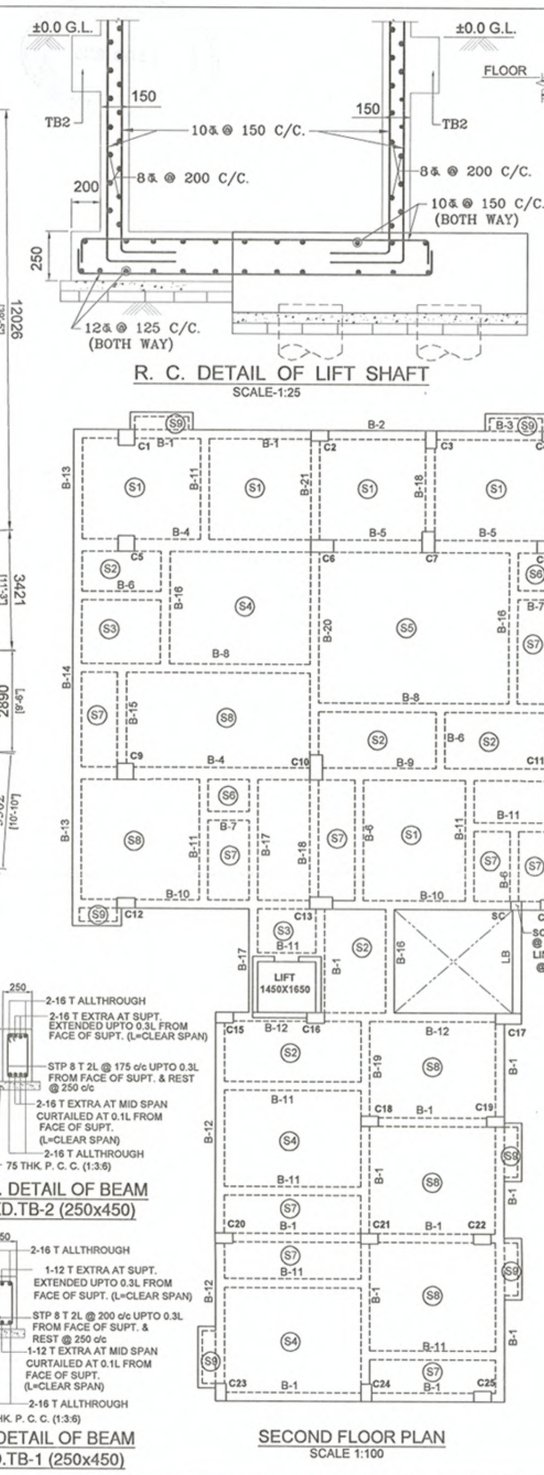
BEAM MKD.	SIZE (MM.) B	D	END SUPPORT TOP BAR	END SUPPORT BOTTOM BAR	SPAN TOP BAR	SPAN BOTTOM BAR	CONTINUOUS SUPPORT TOP BAR	CONTINUOUS SUPPORT BOTTOM BAR	CANTILEVER SUPPORT TOP BAR	CANTILEVER SUPPORT BOTTOM BAR	STIRRUP FROM FACE OF SUPPORT (S1)	STIRRUP SPAN (S2)
B-1	250	500	3-20 T & 2-16 T (L-II)	3-20 T	2-20 T	3-20 T	3-20 T & 2-16 T (L-II)	3-20 T	3-20 T & 2-16 T (L-II)	3-20 T	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-2	250	500	3-20 T & 2-16 T (L-II)	2-20 T + 1-16 T	2-20 T	2-20 T + 1-16 T	3-20 T & 2-16 T (L-II)	2-20 T + 1-16 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-3	250	500	3-20 T	2-20 T + 1-16 T	2-20 T	2-20 T + 1-16 T	3-20 T & 2-16 T (L-II)	2-20 T + 1-16 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-4	350	650	3-20 T & 3-25 T (L-II)	3-25 T	3-20 T	3-25 T	3-20 T & 2-20 T (L-II)	3-25 T	3-20 T & 3-25 T (L-II)	3-25 T	8T 2L @ 100 C/C UPTO 1300 MM	8T 2L @ 150 C/C
B-5	350	500	3-20 T & 2-20 T (L-II)	3-20 T	3-20 T & 2-20 T (L-II)	3-20 T	3-20 T & 2-20 T (L-II)	3-20 T	-	-	8T 2L @ 100 C/C	8T 2L @ 100 C/C
B-6	250	400	2-16 T	2-16 T + 1-12 T	2-16 T	2-16 T + 1-12 T	2-16 T	2-16 T + 1-12 T	-	-	8T 2L @ 100 C/C UPTO 800 MM	8T 2L @ 200 C/C
B-7	250	400	2-12 T	3-16 T	2-12 T	3-16 T	2-12 T	3-16 T	-	-	6T 2L @ 100 C/C	8T 2L @ 100 C/C
B-8	250	500	2-16 T	3-20 T & 2-20 T (L-II)	2-16 T	3-20 T & 2-20 T (L-II)	2-16 T	3-20 T & 2-20 T (L-II)	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-9	350	650	3-20 T & 2-20 T (L-II)	3-25 T	3-20 T	3-25 T	3-20 T & 2-20 T (L-II)	3-25 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-10	250	500	3-20 T & 3-20 T (L-II)	3-20 T	3-20 T	3-20 T	3-20 T & 3-20 T (L-II)	3-20 T	3-20 T & 3-20 T (L-II)	3-20 T	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-11	250	450	2-16 T	2-16 T + 1-12 T	2-16 T	2-16 T + 1-12 T	2-16 T	2-16 T + 1-12 T	-	-	8T 2L @ 100 C/C UPTO 900 MM	8T 2L @ 200 C/C
B-12	250	500	3-20 T & 2-20 T (L-II)	3-20 T	3-20 T	3-20 T	3-20 T & 2-20 T (L-II)	3-20 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-13	250	500	3-20 T	3-20 T	3-20 T	3-20 T	3-20 T & 2-20 T (L-II)	3-20 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 200 C/C
B-14,L8	250	500	3-20 T & 2-20 T (L-II)	3-20 T	3-20 T	3-20 T	3-20 T & 2-20 T (L-II)	3-20 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-15	250	450	3-20 T & 3-20 T (L-II)	3-20 T	3-20 T	3-20 T	3-20 T & 3-20 T (L-II)	3-20 T	-	-	8T 2L @ 100 C/C UPTO 900 MM	8T 2L @ 150 C/C
B-16	250	450	2-16 T	3-20 T	2-16 T	3-20 T	2-16 T	3-20 T	-	-	8T 2L @ 100 C/C UPTO 900 MM	8T 2L @ 175 C/C
B-17	250	450	2-16 T (DISCONT. END)	2-16 T + 1-12 T	2-16 T	2-16 T + 1-12 T	3-16 T (CONT. END)	2-16 T + 1-12 T	-	-	8T 2L @ 100 C/C UPTO 900 MM	8T 2L @ 200 C/C
B-18	250	500	3-20 T & 3-20 T (L-II)	2-20 T + 2-16 T (L-II)	3-20 T	3-20 T & 2-16 T (L-II)	3-20 T & 3-20 T (L-II)	3-20 T & 2-16 T (L-II)	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-19	250	500	3-20 T & 2-16 T (L-II) (COL. END)	3-20 T	2-20 T	3-20 T	2-20 T (FREE END)	3-20 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C
B-20	250	650	3-20 T & 3-20 T (L-II)	3-20 T & 2-16 T (L-II)	3-20 T	3-20 T & 2-16 T (L-II)	3-20 T & 3-20 T (L-II)	3-20 T & 2-16 T (L-II)	-	-	8T 2L @ 100 C/C UPTO 1300 MM	8T 2L @ 150 C/C
B-21	250	500	3-20 T & 3-20 T (L-II)	3-20 T	2-20 T	3-20 T	3-20 T	3-20 T	-	-	8T 2L @ 100 C/C UPTO 1000 MM	8T 2L @ 150 C/C

SCHEDULE OF SLABS

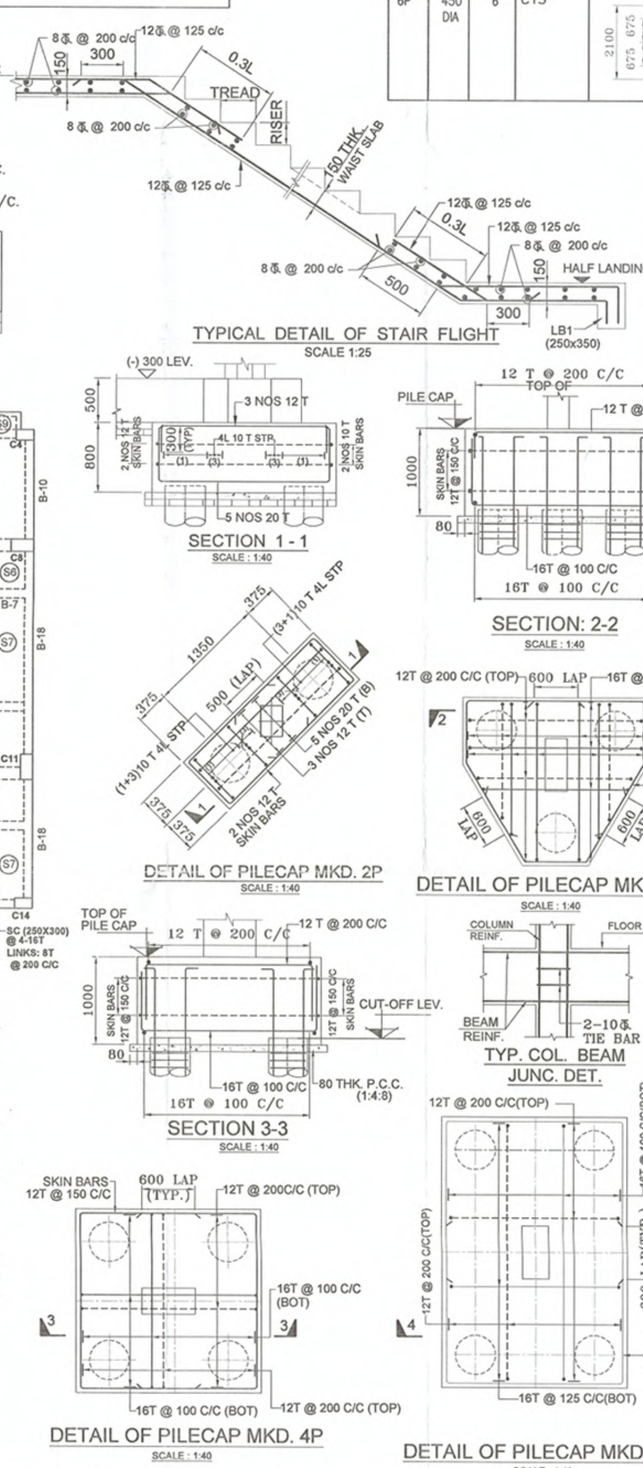
SLAB MKD	SLAB THICK.	SLAB REINFORCEMENT SHORTER DIR. SUPPORT	SHORTER DIR. MID SPAN	LONGER DIR. SUPPORT	LONGER DIR. MID SPAN	DISTRIBUTION
S1	115 THK	8 T @ 150 C/C	8 T @ 175 C/C	8 T @ 175 C/C	8 T @ 200/C/C	8 T @ 250 C/C
S2	115 THK	8 T @ 175 C/C	8 T @ 200 C/C	8 T @ 200 C/C	8 T @ 225 C/C	8 T @ 250 C/C
S3	115THK	8 T @ 175 C/C	8 T @ 200 C/C	8 T @ 200 C/C	8 T @ 225 C/C	8 T @ 250 C/C
S4	120 THK	8 T @ 150 C/C	8 T @ 175 C/C	8 T @ 175 C/C	8 T @ 200 C/C	8 T @ 250 C/C
S5	150 THK	8 T @ 100 C/C	8 T @ 125 C/C	8 T @ 125 C/C	8 T @ 150 C/C	8 T @ 250 C/C
S6	115 THK	8 T @ 200 C/C	8 T @ 225 C/C	8 T @ 200 C/C	8 T @ 225 C/C	8 T @ 250 C/C
S7	115 THK	8 T @ 175 C/C	8 T @ 200 C/C	8 T @ 200 C/C	8 T @ 225 C/C	8 T @ 250 C/C
S8	120 THK	8 T @ 150 C/C	8 T @ 175 C/C	8 T @ 150 C/C	8 T @ 175 C/C	8 T @ 250 C/C
S9	125 THK	10 T @ 150 C/C	8 T @ 150 C/C	8 T @ 200 C/C	8 T @ 200 C/C	-



PILE LAYOUT
SCALE 1:100

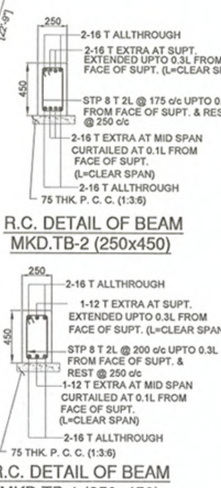


R. C. DETAIL OF LIFT SHAFT
SCALE-1:25



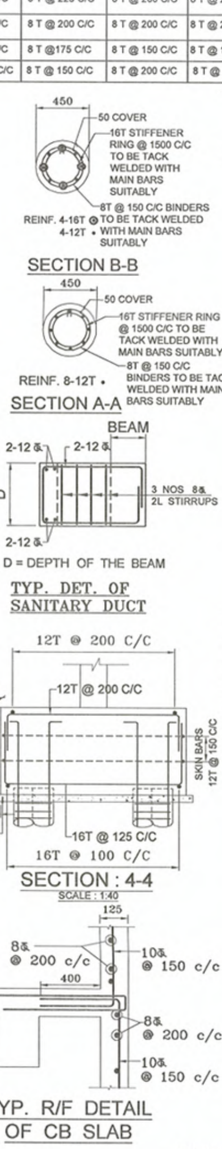
TYPICAL DETAIL OF STAIR FLIGHT
SCALE 1:25

SECOND FLOOR PLAN
SCALE 1:100

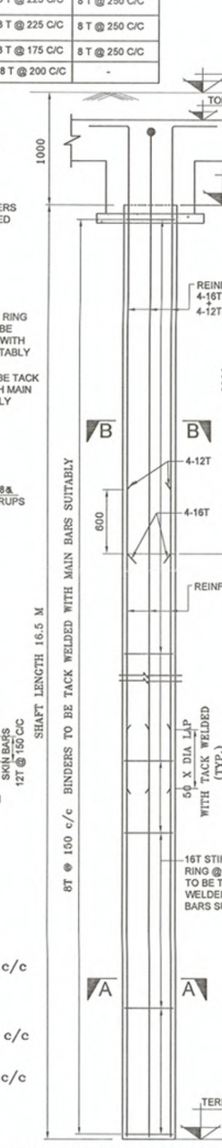


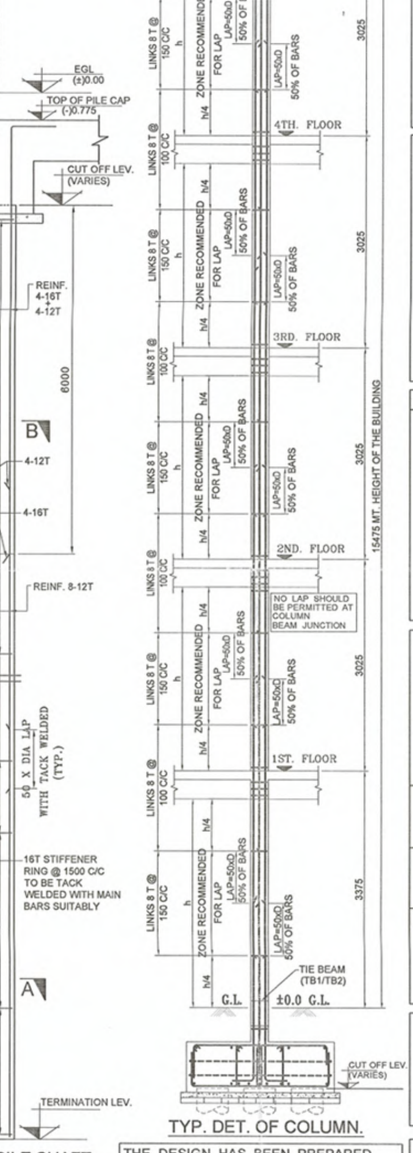
R.C. DETAIL OF BEAM MKD.TB-2 (250x450)

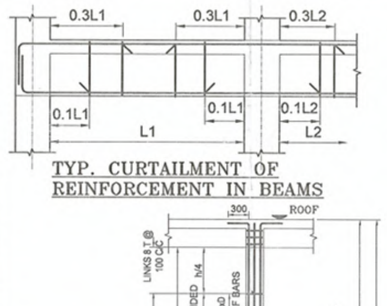
R.C. DETAIL OF BEAM MKD.TB-1 (250x450)



TYP. DET. OF SANITARY DUCT







TYP. CURTAILMENT OF REINFORCEMENT IN BEAMS

NOTES:–

1. ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING.
3. CLEAR COVER TO MAIN REINFT. SHOULD BE AS FOLLOWS FDN.=50 mm., SLAB=20 mm., COL.=40 mm., BEAM=25 mm., TIE BEAM=50 mm, PILE CAP=50 mm.(TOP+BOT & SIDE)
4. REINFORCEMENT GRADE Fe: 500 CONFORMING TO IS 1786–1979.
5. UNLESS OTHERWISE SPECIFIED CONCRETE MIX SHALL BE OF GRADE M–30 FOR FOUNDATION TIE BEAM, COLUMN UPTO FIRST FLOOR M–20 FOR SUPER STRUCTURE.
6. PROPER VIBRATING AND CURING SHOULD BE DONE DURING AND AFTER CASTING RESPECTIVELY.

UNDERSIGNED HAS INSPECTED THE SITE & WILL CARRY OUT THE SOIL INVESTIGATION THEREIN, IT IS CERTIFIED THAT EXISTING SOIL OF THE SITE IS ABLE TO CARRY OUT THE LOAD FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM THERE IN WILL BE SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

MANASIJ DUTTA
M.E.,B.C.E.
Geotechnical Engineer
KMC Empl. No.: GTE-05/I
NKDA Empl. No.: GTE/NKDA/10/00033

MANASIJ DUTTA (G.T.E.- I/09)
SIG. OF GEO-TECNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER

THIS IS TO CERTIFY THAT THE STRUCTURAL DESIGN AND DRAWINGS OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECTS. THE SOIL TEST REPORT HAS BEEN DONE BY MANASIJ DUTTA OF GEOTECHNICAL ENGINEERS CONSORTIUM, 24/1, MOORE AVENUE, KOLKATA-700 040, THERE COMMENDATION OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

TAMAL KANTI BANDYOPADHYAY
BCE (J.U)
ESE II/393
TAMAL KANTI BANDOYPADHYAY (II/393)
SIG. OF STRUCTURAL ENGINEER

DECLARATION OF ARCHITECT.

CERTIFIED THAT THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS DRAWN UP AS PER PROVISION OF K.M.C. BUILDING RULES 2009, 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. THERE IS AN EX STRUC. TO BE DEMOLISHED BEFORE COMMENCEMENT OF WORK IT IS FULLY OCCUPIED BY THE OWNER. THERE IS NO TENANT.

AR. SARBANI MAJUMDAR
Council of Architecture
Reg. No. CA/92/15458
SARBANI MAJUMDAR (CA/92/15458)
SIG. OF ARCHITECT.

DECLARATION OF OWNER

I DO HERE BY DECLARE WITH FULL RESPONSIBILITY THAT I SHALL ENGAGE L.B.A & E.S.E DURING CONSTRUCTION. I SHALL FOLLOW THE INSTRUCTION OF L.B.A & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER PLAN). K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURE IF ANY SUBMITTED DOCUMENT ARE FAKE. THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN. THE CONSTRUCTION OF U.G.W.RESERVOIR & SEPTIC TANK TAKEN UNDER THE GUIDANCE OF L.B.A/E.S.E BEFORE STARTING OF BUILDING FOUNDATION.

Rajesh Kumar Agrawal	1) RAJESH KUMAR AGRAWAL SIGNATURE OF OWNER
Sajjan Kumar Agrawal	2) SAJJAN KUMAR AGRAWAL SIGNATURE OF OWNER
Super Towers Pvt. Ltd. Director.	3) CHANDI PRASAD PODDAR, (Director, of SUPER TOWERS PVT LTD)

PROPOSED G+IV STORIED (HT.–15.475 M) RESIDENTIAL BUILDING U/S 393A OF C.M.C ACT 1980 & K.M.C B/R 2009, AT PREMISES NO: 558, S.N.ROY ROAD, WARD NO: 118, BR–XIII, P.S–BEHALA, KOLKATA–700 038.

THE DESIGN HAS BEEN PREPARED CONSIDERING ONE ADDITIONAL FLOOR

SCALE	DRG. NO.	DATE	DEALT
1:100,25	ST/C/01	30.01.2019	SAPTAK