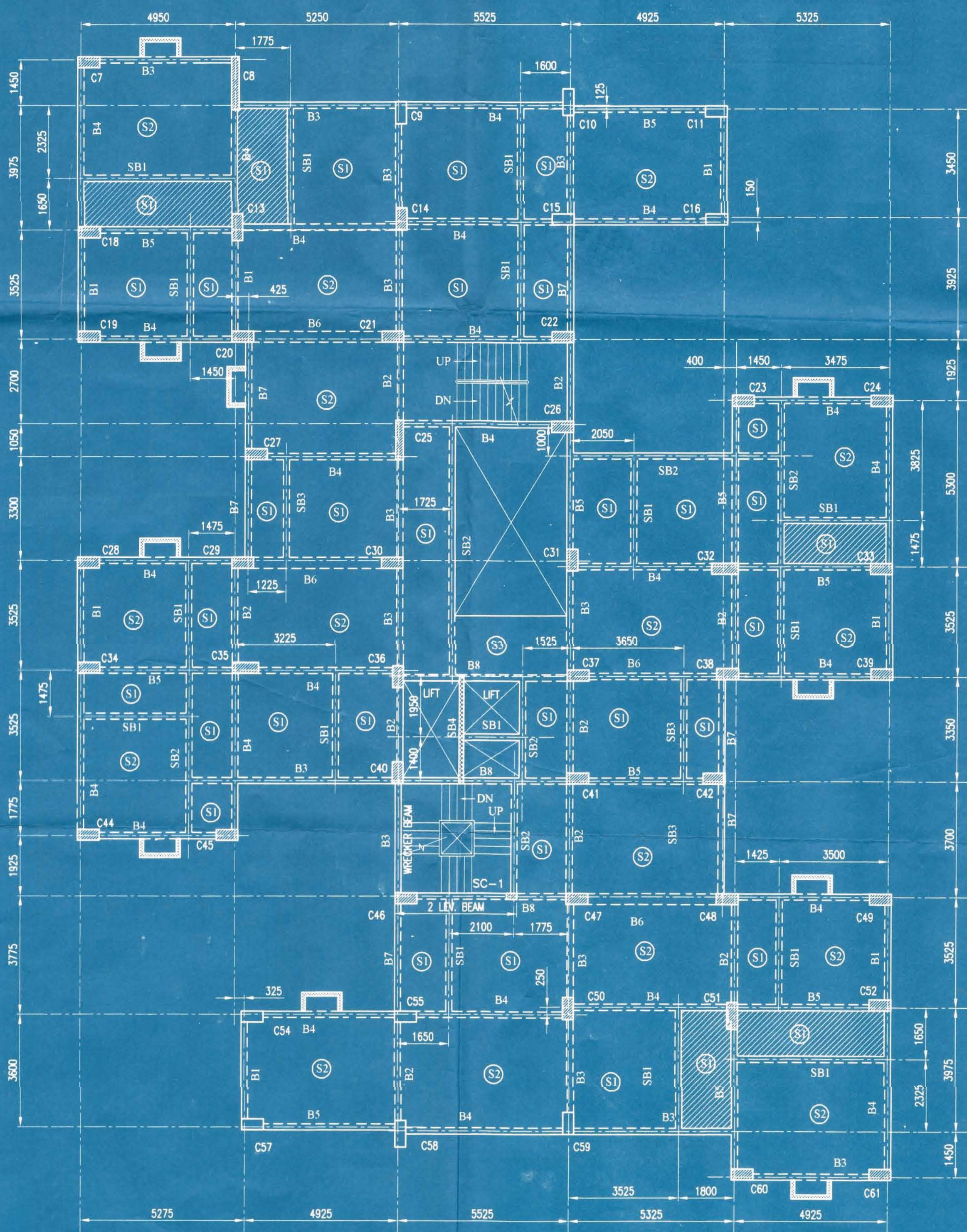


SCHEDULE OF PILE CAP								
PILE CAP MKD.	OVERALL DEPTH (mm)	CAP REINFORCEMENT						
		LONG REINFORCEMENT			SHORT REINFORCEMENT			SKIN REINF.
		BOTTOM BAR	TOP BAR	STIRRUPS	BOTTOM BAR	TOP BAR	STIRRUPS	
2PC 500 DIA	1200	7-20 T	4-12 T	10 T 4L @ 200 c/c	---	---	---	5+5-12 T
3PC 500 DIA	1200	7-20 T	4-12 T	10 T 4L @ 200 c/c	7-20 T	4-12 T	10 T 4L @ 200 c/c	5+5-12 T
4PC 500 DIA	1500	21-20 T	11-12 T	---	21-20 T	11-12 T	---	7+7-12 T
5PC 500 DIA	1500	21-20 T	11-12 T	12 T 6L @ 200 c/c	31-20 T	16-12 T	---	9+9-12 T
6PC 500 DIA	1500	21-20 T	11-12 T	12 T 6L @ 200 c/c	35-20 T	8-12 T	---	9+9-12 T

SCHEDULE OF SLABS					
PANEL MKD.	THICKNESS (mm.)	SHORTER BARS		LONGER BARS	
		TOP OVER SUPPORT	BOTTOM AT SPAN	TOP OVER SUPPORT	BOTTOM AT SPAN
S1	110	8 T @ 175 c/c	8 T @ 175 c/c	8 T @ 175 c/c	8 T @ 200 c/c
S2	125	8 T @ 150 c/c	8 T @ 175 c/c	8 T @ 175 c/c	8 T @ 175 c/c
S3	150	10 T @ 125 c/c	10 T @ 150 c/c	10 T @ 150 c/c	10 T @ 175 c/c

PROVIDE DISTRIBUTION STOR. @ 200 C/C WHERE NECESSARY

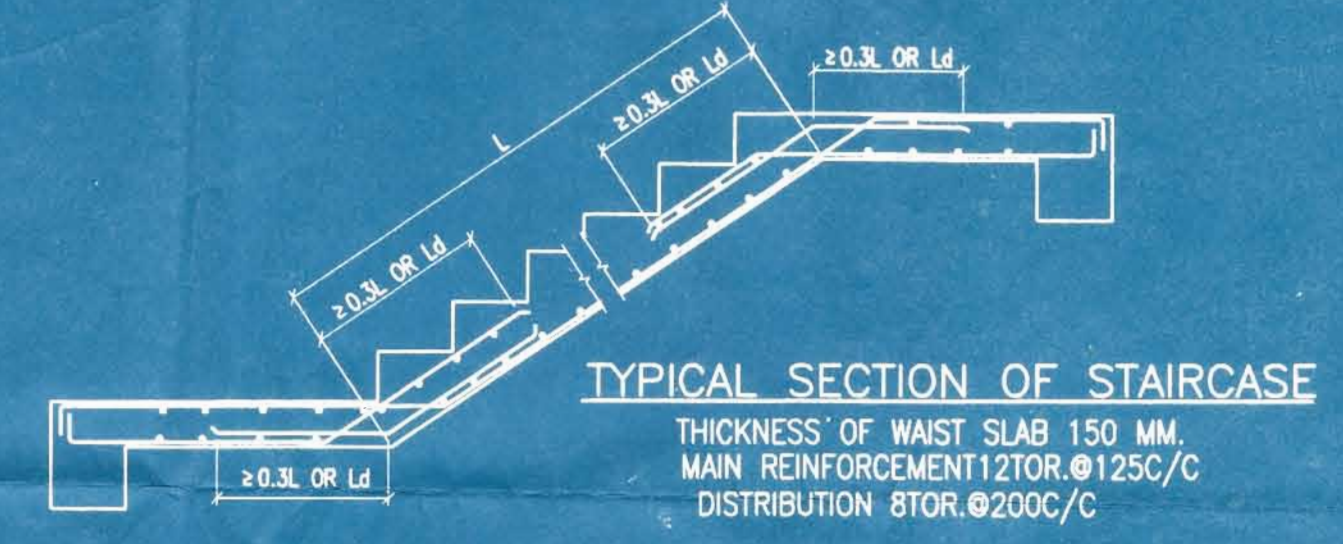


ELEVENTH FLOOR SHUTTERING PLAN

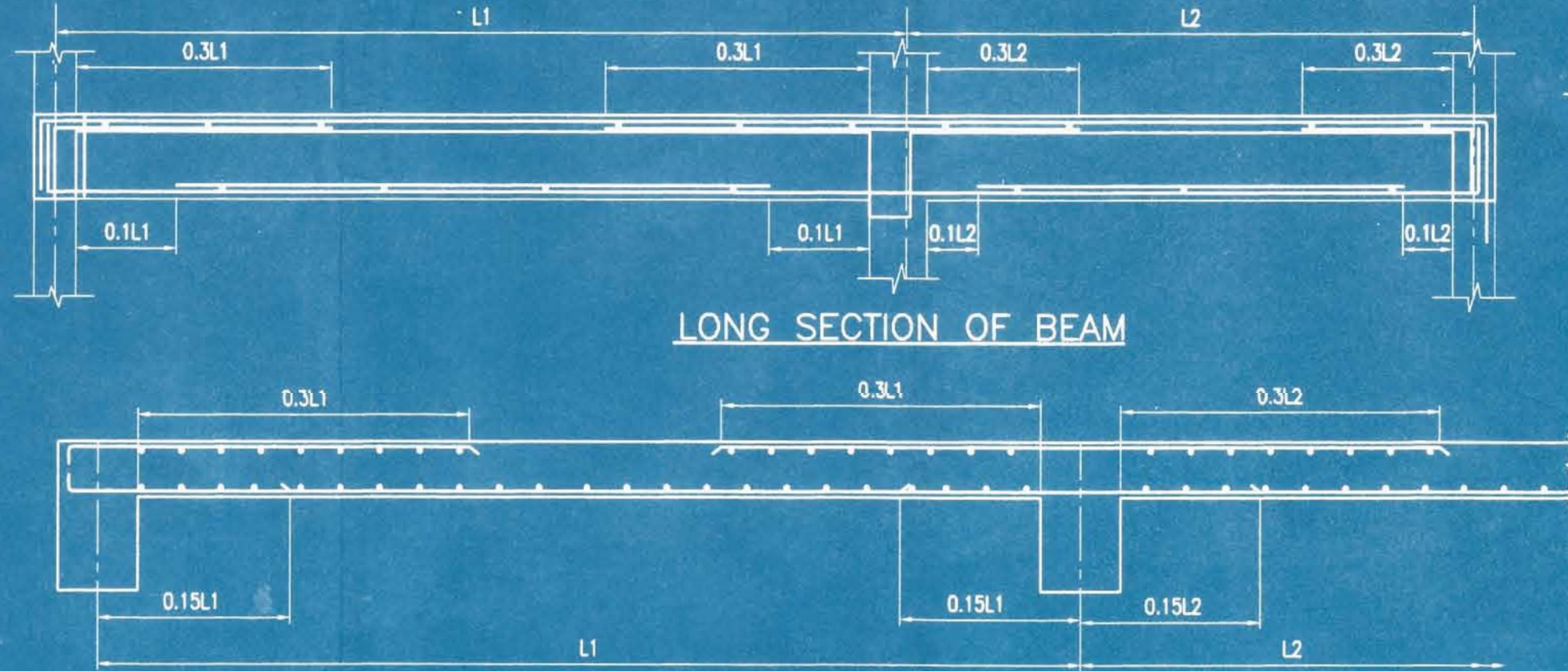
SCHEDULE OF COLUMNS							
COLUMN MKD.	SIZE	MAIN REINFORCEMENT					
		FOUNDATION TO 1ST. FL.	1ST. FLOOR TO 3RD. FL.	3RD. FLOOR TO 5TH. FL.	5TH. FLOOR TO 7TH. FL.	7TH. FLOOR TO 9TH. FL.	9TH. FLOOR TO ROOF
C6,C12	400 X 350	6-20T + 4-16T	6-20T + 4-16T	---	---	---	---
C1,C2,C17,C43,C53,C56,C62,C66,C67	400 X 350	10-20T	6-20T + 4-16T	---	---	---	---
C3,C4,C5,C7,C18,C19,C49,C54,C57,C63,C64,C65	700 X 350	14-16T	14-16T	14-16T	14-16T	14-16T	8-16T + 6-12T
C18,C24,C28,C39,C44,C52,C60	700 X 350	14-20T	8-20T + 6-16T	4-20T + 10-16T	14-16T	14-16T	14-16T
C11,C20,C26,C33,C34,C46,C57	700 X 350	8-25T + 6-20T	4-25T + 10-20T	14-20T	8-20T + 6-16T	14-16T	14-16T
C15,C27,C42,C55	700 X 350	14-25T	8-25T + 6-20T	4-25T + 10-20T	14-20T	8-20T + 6-16T	4-20T + 10-16T
C9,C14,C21,C29,C38,C40,C41,C47,C50,C59	700 X 350	16-25T	16-25T	8-25T + 6-20T	16-20T	8-20T + 6-16T	8-20T + 6-12T
C22,C23,C30,C31,C36,C37,C45,C48	700 X 350	14-32T	8-32T + 6-25T	4-32T + 10-25T	14-25T	8-25T + 6-16T	4-25T + 10-16T
C10,C13,C51,C58	850 X 350	8-32T + 6-25T	14-25T	8-25T + 6-16T	4-25T + 10-16T	4-20T + 10-16T	14-16T
C32,C35	850 X 350	14-32T	14-32T	8-32T + 6-16T	4-32T + 10-15T	4-25T + 10-16T	4-20T + 10-16T
C25	1250 X 250	18-25T	10-25T + 6-20T	4-25T + 14-20T	18-20T	10-20T + 6-16T	4-20T + 14-16T
C8	1650 X 250	18-25T	10-25T + 6-20T	4-25T + 14-20T	18-20T	10-20T + 6-16T	4-20T + 14-16T
SC-1, SC-2	350 X 200	6-16T	---	---	---	---	---

SCHEDULE OF BEAMS

BEAM MKD.	BEAM SIZE	BEAM REINFORCEMENT					
		AT SUPPORT		AT SPAN		STIRRUPS	
		TOP	BTM.	TOP	BTM.	AT SUPPORT	AT SPAN
B1	200X550	4-16 T	2-16 T	2-16 T	3-16 T	8 T 2L @ 125 c/c	8 T 2L @ 150 c/c
B2	200X550	5-16 T	2-16 T + 2-16 T	2-16 T	2-16 T + 2-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
B3	200X550	6-16 T	3-16 T	3-16 T	3-16 T + 2-12 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
B4	200X550	3-16 T + 3-20 T	3-16 T	3-16 T	5-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
B5	200X550	4-20 T + 2-16 T	3-16 T	2-16 T + 1-20 T	5-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
B6	350X400	4-16 T + 4-20 T	4-16 T	4-16 T	4-16 T	10 T 2L @ 100 c/c	8 T 2L @ 150 c/c
B7	200X525	3-16 T	2-16 T	2-16 T	3-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
B8	200X550	3-16 T + 3-25 T	3-16 T	3-16 T	6-16 T	10 T 2L @ 100 c/c	8 T 2L @ 150 c/c
CB1	200X550	6-16 T	3-16 T	3-16 T	3-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
SB1	200X550	2-16 T	2-16 T	2-16 T	3-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
SB2	200X550	3-16 T	3-16 T	3-16 T	5-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
SB3	200X400	2-16 T	2-16 T	2-16 T	2-16 T + 1-12 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c
SB4	150X550	2-16 T	2-16 T	2-16 T	2-16 T	8 T 2L @ 100 c/c	8 T 2L @ 150 c/c



TYPICAL SECTION OF STAIRCASE
THICKNESS OF WAIST SLAB 150 MM.
MAIN REINFORCEMENT 120R @ 125C/C
DISTRIBUTION STOR. @ 200C/C



TYPICAL CROSS-SECTION OF SLAB SHOWING REIN. CURTAILMENT

PROJECT:-
PROPOSED G+XI STORED RESIDENCIAL BUILDING AT PRE. NO. 86/1, P. MAJUMDAR ROAD, KOLKATA 700078, R.S. DAG NO.4078,4079, R.S. KHATIAN NO.2233,1082, UNDER MOUZA- KASBA. J.L.NO.13, TOUZI NO. 145 WARD NO.106, BORROUGH - XII,

- NOTES:
- THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH DRG.
 - ALL DIMENSIONS ARE IN mm & LEVELS AER IN M.M. UNLESS NOTED OTHERWISE.
 - GRADE OF CONCRETE SHALL BE M-30 UPTO 7TH. FLOOR ABOVE 7TH. FLOOR M-25
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT STEEL SHALL BE OF GRADE Fe-500 CONFORMING TO I.S. 1786-1985
 - CLEAR COVER TO REINFORCEMENT:-

- PILE = 50 mm
- PILE CAP = 50 mm
- TIEBEAM = 40 mm
- COLUMN = 40 mm
- FLOOR BEAM = 25 mm
- FLOOR SLAB = 20 mm
- STAIR CASE WAIST SLAB = 20 mm
- LIFT WALL = 20 mm
- LAP/BOND LENGTH SHALL BE 50 x d WHERE D IS THE DIA OF BAR.
- MIX FOR P.C.C. SHALL BE 1:3:6

CERTIFIED WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C BUILDING RULES 2008 AS AMENDED FROM TIME TO TIME & THAT THE SITE CONDITION INCLUDING THE ADJUTING ROAD CONFORMS WITH THE PLAN, WHICH HAS BEEN MEASURED AND VERIFIED BY ME. IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK. THE PLOT IS DEMARCATED BY BOUNDARY WALL. THE PLOT IS BEYOND 500 M. FROM THE CL OF E.M.BYE PASS. THE CONSTRUCTION OF U.G. WATER TANK AND S.T.P WILL BE COMPLETED BEFORE STARTING OF BUILDING FOUNDATION WORK. DURING DEPARTMENTAL INSPECTION THE PLOT WAS IDENTIFIED BY ME.

Signature of Archt Reviewer
DEBATOSH SAHU, (CA/89/12348)
SIGNATURE OF ARCHITECT & SEAL

STRUCTURAL ENGINEERS' CERTIFICATE
THE STRUCTURAL DESIGN AND DRAWINGS OF BOTH FOUNDATION & SUPERSTRUCTURE 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 CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

Signature of Struc Reviewer
BIBEK BHASH MULLICK
E.S.E. - 1/75
KOLKATA MUNICIPAL CORPORATION
KAUSHIK SENGUPTA
SIGNATURE OF STRUCTURAL ENGINEER & SEAL

- I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT
- I SHALL ENGAGE ARCHITECT & E.S.E DURING CONSTRUCTION
 - I SHALL FOLLOW THE INSTRUCTIONS OF ARCHITECT & E.S.E DURING CONSTRUCTION OF THE BUILDING (AS PER B.S PLAN)
 - K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURAL STABILITY OF THE BUILDING & ADJOINING STRUCTURAL
 - IF ANY SUBMITTED DOCUMENTS ARE FOUND TO BE TAKE THE K.M.C AUTHORITY WILL REVOKE THE SANCTION PLAN.
 - THE CONSTRUCTION OF U.G WATER TANK & S.T.P WILL BE UNDERTAKEN UNDER THE GUIDANCE OF ARCHITECT / E.S.E BEFORE STARTING OF BUILDING FOUNDATION WORK.
 - THE PLOT IS SITUATED BEYOND 500 M. FROM THE CL OF THE E.M.BYE PASS

Signature of Owner
Mr. Chandra Chakraborty
Mr. Kalyan Chakraborty
Mr. Jeet Chakraborty
Ms. Malshali Chakraborty
Mr. Tanish Chakraborty
Mr. Anaya Chakraborty
Consulted Attorney
Mr. Ujan Bhattacharya
SIGNATURE OF OWNER & SEAL

ARCHITECTS :
ESPACE
35A, DR. SARAT BANERJEE ROAD,
KOLKATA 700-029
PHONE- 2465-4130,4159

STRUCTURAL DRAWING (SUPERSTRUCTURE)
SCALE - 1:100
KSG ENGINEERING CONSULTANTS
51/2 MAHAJATI NAGAR, BIRATI,
KOLKATA-700051

DATE:-06-01-15
SHEET-4 OF 4

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PARTY'S COPY

Structural plan and design calculations submitted by structural engineers have been kept with B.P. No. 2014/20391 Date 27/01/15 for record of the Kolkata Municipal Corporation without verification No. deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculations and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises outside and private properties and safety of human life during construction.

[Signature]
EXECUTIVE ENGINEER/ASST. ENGINEER
Borough NO. XII

2014/20391
Building Department Borough - XII
RECEIVED
DATE... 27/01/15
The Kol. Mpl. Corporation