

TYPICAL FLOOR BEAM & SLAB LAYOUT PLAN  
SCALE:1:100

**SCHEDULE OF TYP. FLOOR SLAB**

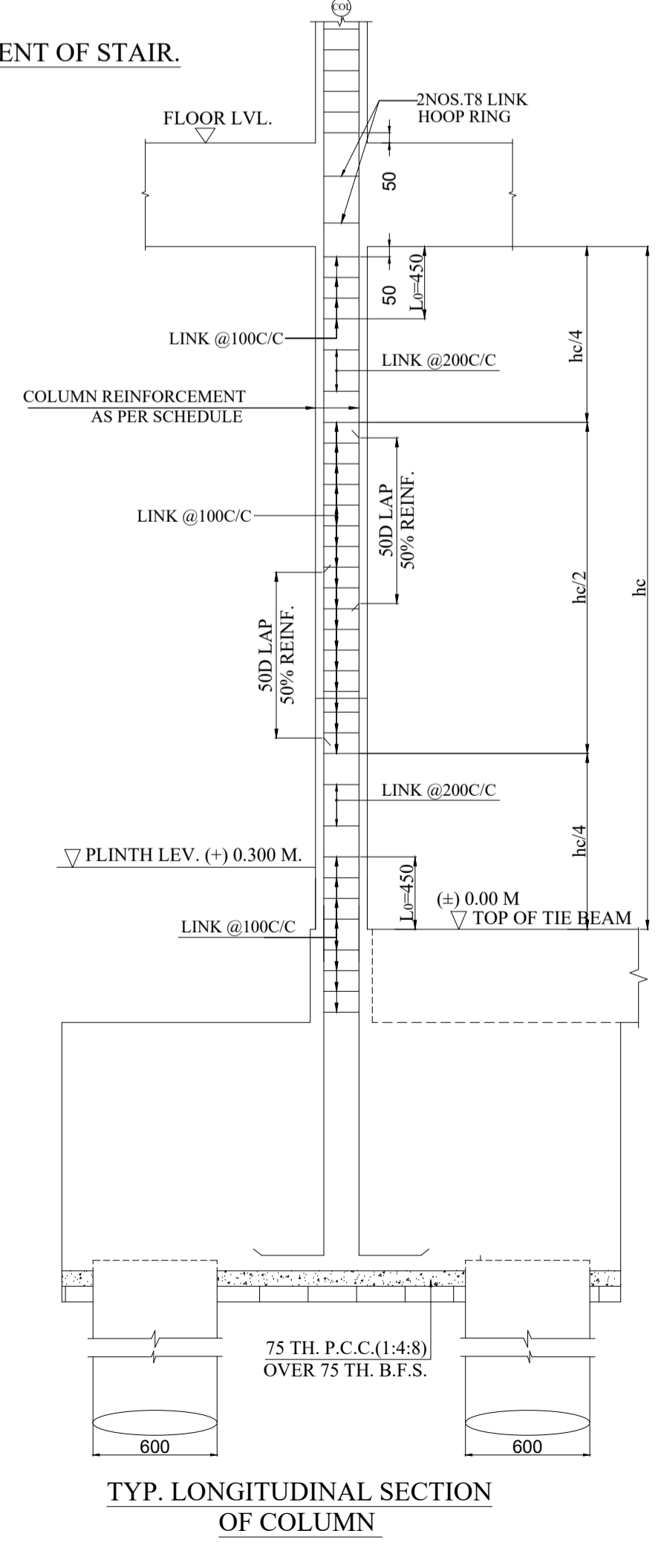
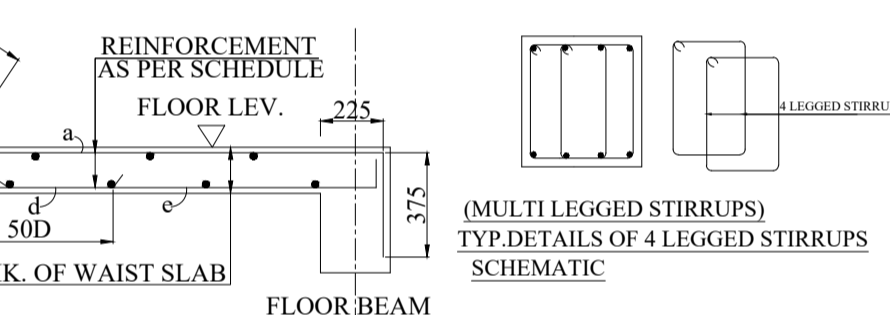
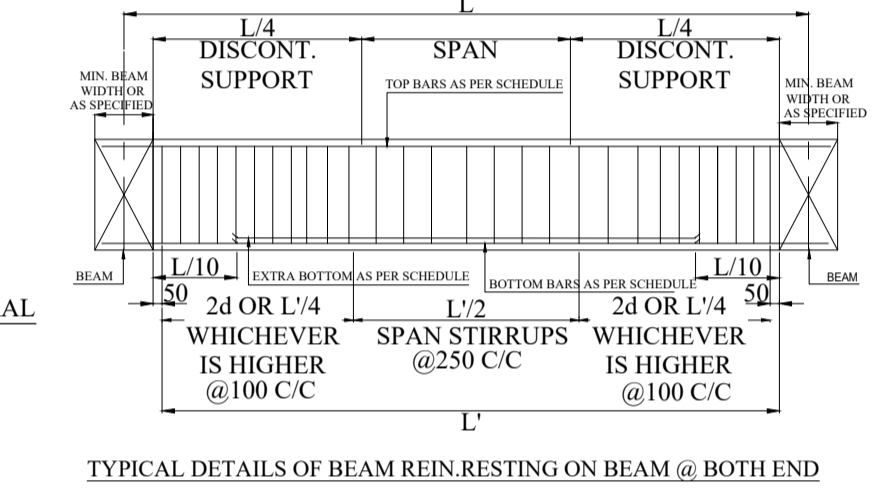
SLAB MKD.	SLAB THK. (MM.)	REINFORCEMENT
S1	125	8@150/C (MAIN) WITH 10@200/C (DIST)
S2	125	8@175/C (MAIN) WITH 10@200/C (DIST)
S3	125	8@200/C (MAIN) WITH 10@200/C (DIST)
S4	125	8@150/C (MAIN) WITH 10@200/C (DIST)
ST	175	12@150/C (MAIN) WITH 10@200/C (DIST)

**GRADE OF CONCRETE**

PILE CAP	PILE	BEAM, COLUMN, SLAB
M25	M30	M30- FOUNDATION TO 2ND FL. LVL.
		M30- 2ND FL. LVL. TO 4TH FL. LVL.
		M25- 4TH FL. LVL. TO ROOF.

**SCHEDULE OF 1ST FLOOR BEAM**

BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT				STIRRUPS	
		SUPPORT TOP	SUPPORT BOT.	SPAN TOP	SPAN BOT.	SUPPORT	SPAN
B1	250X650	3-16 T + 2-20 T	3-16 T	3-16 T	3-16 T	8@-2L @ 100 C/C	8@-2L @ 150 C/C
B2	250X650	2-16 T	3-16 T	2-16 T	2-16 T	8@-2L @ 100 C/C	8@-2L @ 200 C/C
B3,B6	250X650	3-16 T + 2-20 T	3-16 T	3-16 T + 2-20 T	3-16 T	10@-2L @ 100 C/C	
B4	250X650	3-16 T + 3-20 T	3-20 T	3-16 T + 3-20 T	3-20 T	10@-2L @ 100 C/C	
B5	250X650	3-16 T + 3-20 T	3-20 T	3-16 T	3-20 T	10@-2L @ 100 C/C	10@-2L @ 150 C/C
B7	250X650	3-16 T + 3-20 T	3-20 T	3-16 T	3-20 T + 2-16 T	10@-2L @ 100 C/C	10@-2L @ 150 C/C
B8	250X650	2-16 T	2-16 T + 2-16 T	2-16 T	2-16 T	8@-2L @ 100 C/C	8@-2L @ 200 C/C
B9	250X650	3-16 T + 2-20 T	3-16 T	3-16 T	3-16 T + 2-20 T	8@-2L @ 100 C/C	8@-2L @ 150 C/C
B10	250X650	2-16 T + 2-16 T	3-16 T	2-16 T	3-16 T	8@-2L @ 100 C/C	8@-2L @ 150 C/C
B11	250X650	2-16 T	3-16 T	2-16 T	2-16 T + 2-12 T	8@-2L @ 100 C/C	8@-2L @ 200 C/C
B12	250X650	2-16 T + 2-20 T	2-20 T	2-16 T	2-16 T + 2-20 T	8@-2L @ 75 C/C	8@-2L @ 100 C/C
B13	250X450	2-16 T	2-16 T	2-16 T	2-16 T	8@-2L @ 100 C/C	
B14	250X650	2-16 T + 2-20 T	2-16 T	2-16 T	2-16 T + 2-16 T	8@-2L @ 100 C/C	8@-2L @ 150 C/C
B15	250X650	3-20 T + 3-20 T	3-20 T + 2-16 T	3-20 T	3-20 T + 2-16 T	10@-2L @ 100 C/C	
B16	250X650	3-16 T	3-16 T	2-16 T	3-16 T	8@-2L @ 100 C/C	8@-2L @ 150 C/C
B17	250X650	3-20 T + 3-20 T	3-20 T + 2-20 T	3-20 T	3-20 T + 2-20 T	10@-2L @ 100 C/C	
B18, B20, B21	250X650	3-20 T + 3-20 T	3-20 T + 2-20 T	3-20 T	3-20 T + 2-20 T	10@-2L @ 100 C/C	
B19	250X650	3-16 T	3-16 T	3-16 T	3-16 T	10@-2L @ 125 C/C	
B22	250X650	3-16 T + 3-16 T	3-16 T + 3-16 T	3-16 T + 3-16 T	3-16 T + 3-16 T	10@-2L @ 125 C/C	



TYP. LONGITUDINAL SECTION OF COLUMN

- NOTES :-
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
  - ROAD COVER LEVEL IS TAKEN AS ± 0.00 LEV.
  - CLEAR CREST TO SECONDARY REINFORCEMENT:-  
a) FOUNDATION (PILE) - 50 MM. b) TIE BEAM - 50 MM. c) SLAB - 20 MM.  
d) FOUNDATION BEAM - 50 MM. e) FLOOR BEAM - 25 MM.
  - LAP / ANCHORAGE LENGTH SHOULD BE GENERALLY 50D (D = DIA OF BAR).
  - ⊘ INDICATES COLD TWISTED DEFORMED BAR AS PER IS 1786.
  - GRADE OF CONCRETE - AS PER SCHEDULE.
  - GRADE OF STEEL - Fe-500.
  - READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING.
  - ALL SORTS OF PRECAUTIONARY MEASURES WILL BE TAKEN AT THE TIME OF CONSTRUCTION.

DECLARATION OF OWNER  
CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING BY LAWS FOR WEST BENGAL MUNICIPALITY AND ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING.  
CERTIFIED THAT I SHALL NOT ON A LATER DATE MAKE ANY ADDITION OR ALTERATION TO THIS PLAN DURING CONSTRUCTION. I SHALL BE FULLY RESPONSIBLE FOR ANY VIOLATION OF THE BUILDING RULES AS WELL AS THE SANCTIONED BUILDING PLAN.

SIGNATURE OF OWNER

CERTIFICATE OF ARCHITECT  
I CERTIFY THAT ALL THE ARCHITECTURAL DRAWINGS OF THE PROJECT AT L.R. DAG NO.-2532(P), 2534(P), L.R. KHANIAN NO. 11282 IN MOUZA-MRIGALA, J.L. NO. 102, POLICE STATION-DANKUNI (FORMERLY CHANDITALA), WITHIN THE JURISDICTION OF DANKUNI MUNICIPALITY, WARD NO.-13, DISTRICT-HOOGHLY, KOLKATA-712311, HAVE BEEN PREPARED BY ME COMPLYING WITH THE PROVISIONS OF NATIONAL BUILDING CODE AND THE WEST BENGAL MUNICIPAL BUILDING CODE AND THE WEST BENGAL MUNICIPAL BUILDING RULES. NO SUCH WRONG AND INCORRECT INFORMATION HAS BEEN FURNISHED BY ME INCLUDING AREA CALCULATION CHARTS IN THIS DRAWING AND NO VIOLATION OF THE PROVISIONS OF THESE RULES WILL BE FOUND IN ANY OF THE DRAWINGS AND DOCUMENTS - SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

**Rajkumar Agarwal**  
Architect  
Member of Council of Architecture CA / 94 / 17940

SIGNATURE OF THE ARCHITECT  
RAJ KUMAR AGARWAL  
COUNCIL REGISTRATION NO. CA/94/17940  
ADDRESS:  
RAJ AGRAWAL & ASSOCIATES  
8B, ROYD STREET (2ND FLOOR), KOLKATA-16.

CERTIFICATE OF STRUCTURAL ENGINEER  
CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING/BUILDINGS HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT (AS PER THESE RULES AND THE REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER CURRENT CODES, THE BUREAU OF INDIA STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT UPTO.....  
STORY/STORIES AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

**Rupak Kumar Banerjee**  
SIGNATURE OF THE STRUCTURAL ENGINEER  
RUPAK KUMAR BANERJEE  
M.I.G.S., M.I.E., CHARTERED ENGINEER  
E.S.E. I,  
ADDRESS:  
10, KUNDU LANE, BHOWANIPORE,  
KOLKATA - 700025.

CERTIFICATE OF STRUCTURAL REVIEWER  
CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING/BUILDINGS HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT (AS PER THESE RULES AND THE REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS, SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER CURRENT CODES, THE BUREAU OF INDIA STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT UPTO.....  
STORY/STORIES AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

**MS. MITA SAHA**  
M.I.E., M.E. (Struct), C.T.  
E.C.A. 2509-0011,  
10-29, Sec-II, Salt Lake,  
Kolkata-70008112

SIGNATURE OF THE STRUCTURAL REVIEWER  
MITA SAHA  
AG-89, BAISHAKHI, SALT LAKE, KOLKATA.

CERTIFICATE OF GEO-TECHNICAL ENGINEER  
IT IS CERTIFIED THAT THE COMPREHENSIVE GEO-TECHNICAL REPORT ON SOIL INVESTIGATION HAS BEEN PREPARED BY ME FOR DESIGN AND CALCULATION OF THE FOUNDATION BY ANALYZING THE SOIL SAMPLES FOR ESTIMATING THE BEARING CAPACITY OF THE SOIL ON WHICH FOUNDATION OF THE STRUCTURE WILL BE CONSTRUCTED.

I SHALL ALSO CHECK THE NATURE OF THE SOIL AFTER EXCAVATION AT SITE SO THAT FOUNDATION IS EXTENDED UPTO THE APPROPRIATE DEPTH THAT HAS BEEN PROPOSED IN THE GEO-TECHNICAL REPORT.

**S. K. Mandal**  
M.E. (Civil), M.I.E., M.I.G.S., M.I.E. (Struct), C.T.  
E.C.A. 2509-0011,  
10-29, Sec-II, Salt Lake,  
Kolkata-70008112

SIGNATURE OF THE GEO-TECHNICAL ENGINEER  
SWADESH KUMAR MANDAL  
B.E.(CIVIL), M.I.E., M.I.G.S. LM/1242  
D.S. CONSTRUCTION, KOLKATA.

TITLE  
TYP. FLOOR BEAM & SLAB LAYOUT PLAN WITH DETAILS.

PROJECT  
PROPOSED G+XI STORIED (36.9 M. HT.) (TOWER-2) & G+XII STORIED (39.95 M. HT.) (TOWER-1 & 3) RESIDENTIAL BUILDING OF FRONTIER WAREHOUSING LIMITED DIRECTOR OF GOUTAM AGARWALLA AT L.R. DAG NO.-2532(P), 2534(P), L.R. KH. NO. 12103 IN MOUZA- MRIGALA, J.L. NO. 102, POLICE STATION-DANKUNI (FORMERLY CHANDITALA), WITHIN THE JURISDICTION OF DANKUNI MUNICIPALITY, WARD NO.-13, DISTRICT-HOOGHLY, KOLKATA-712311.

DATE	DRG. NO.	DEALT	CHECKED	SHEET NO.
11.07.22	DR/RAJAR/DW/DRP/B-2	CHIRANJIB	SUBHADREEP	4 OF 4

SCALE: 1:100 ARCHITECT

**RAJ AGRAWAL & ASSOCIATES**  
ARCHITECTS & ENGINEERS  
8B, ROYD STREET, CALCUTTA - 16

CONSULTANTS:- B. CHAKRABORTY & ASSOCIATES  
ARCHITECTS & ENGINEERS  
NANDANKANAN, DANKUNI, HOOGHLY

