



DECLARATION OF OWNER
 CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING BY LAWS FOR WEST BENGAL MUNICIPALITY AND ALSO UNDERTAKE TO ABIDE BY THESE 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. KHANIN NO. 11282 IN MOZA-MRIGALA, J.L. NO. 102, POLICE STATION-DANKUNI (FORMERLY CHANDITALA), WITHIN THE JURISDICTION OF DANAKUNI 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 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.

Raj Kumar 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 AGARWAL & ASSOCIATES
 8B, ROYD STREET (2ND FLOOR), KOLKATA-71.

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 REPORTS 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/STORES 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 REPORTS 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/STORES AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.

MS. MITA SAHA
 M.I.E., M.E. (Struct), C.F.
 E.M.C. 438-6011
 1G-89, Sector-1, Salt Lake,
 Mob:-9831888112

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.

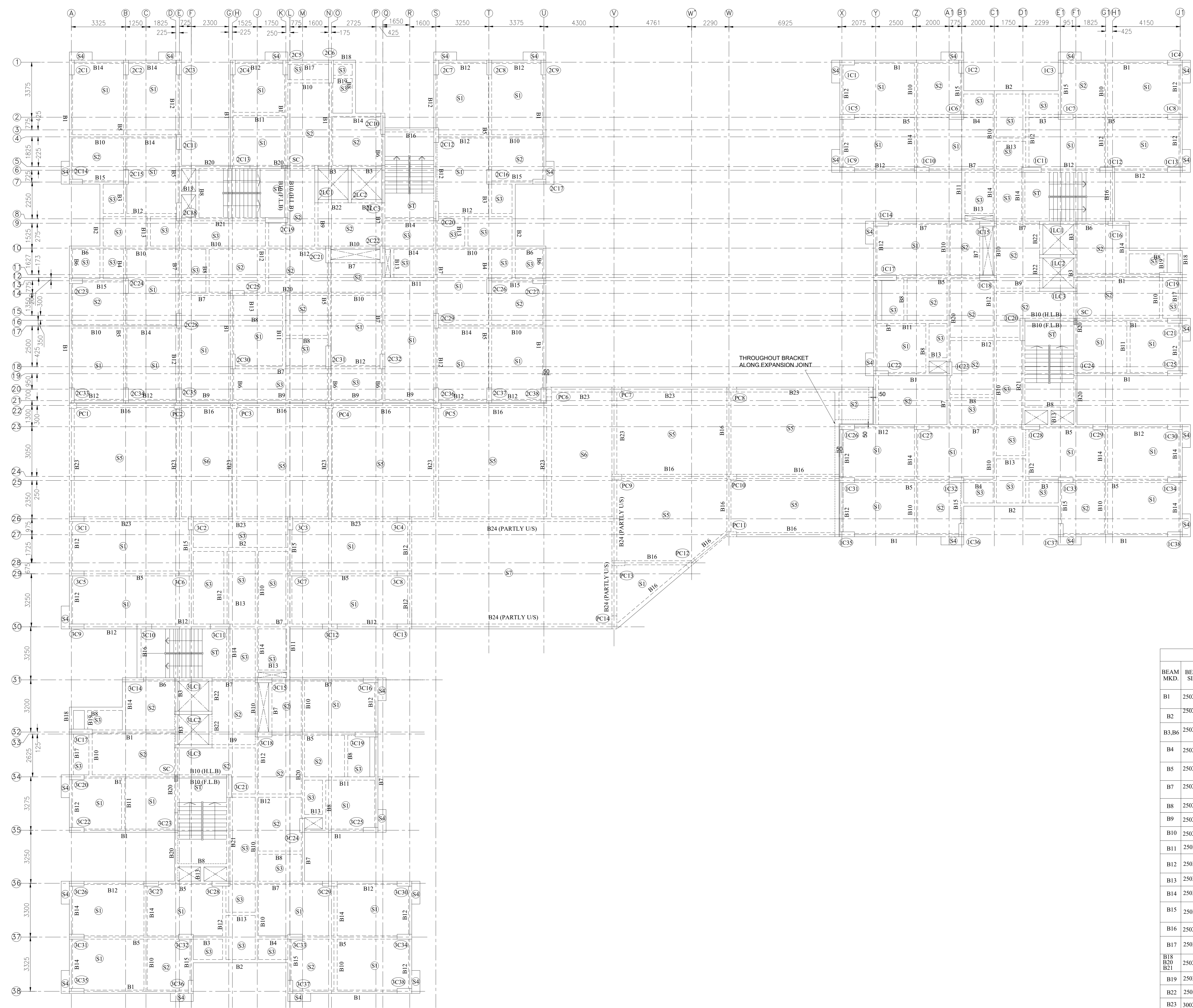
SWADISH KUMAR MANDAL
 B.E.(CIVIL), M.I.E., M.I.G.S. LM/1242
 D.S. CONSTRUCTION, KOLKATA.

SIGNATURE OF THE GEO-TECHNICAL ENGINEER
 SWADISH KUMAR MANDAL

1ST FLOOR LEVEL BEAM & SLAB LAYOUT PLAN.

PROJECT
 PROPOSED G+XII STORED(36.9 M. HT.) (TOWER-2) & G+XII STORED (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 MOZA-MRIGALA, J.L. NO. 102, POLICE STATION-DANKUNI (FORMERLY CHANDITALA), WITHIN THE JURISDICTION OF DANAKUNI MUNICIPALITY, WARD NO.-13, DISTRICT-HOOGHLY, KOLKATA-712311.

DATE 03/04/2024 **SCALE** 1:100 **SHEET NO.** 3 OF 4
SCALE 1:100 **ARCHITECT**
 RAJ AGARWAL & ASSOCIATES
 8B, ROYD STREET, CALCUTTA - 16
CONSULTANTS: -B.CHAKRABORTY & ASSOCIATES
 ARCHITECTS & ENGINEERS
 NANDAKRISHNAN, DANAKUNI, HOOGHLY



1ST FLOOR LEVEL BEAM & SLAB LAYOUT PLAN.
 SCALE:1:100

SCHEDULE OF 1ST FLOOR BEAM.

BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT					
		SUPPORT		SPAN		SUPPORT	SPAN
		TOP	BOT.	TOP	BOT.		
B1	250X650	3-16 T + 2-20 T	3-16 T	3-16 T	3-16 T	8% 2L @ 100 CC	8% 2L @ 150 CC
B2	250X650	2-16 T	3-16 T	2-16 T	3-16 T + 2-20 T	8% 2L @ 100 CC	8% 2L @ 200 CC
B3, B6	250X650	3-16 T + 2-20 T	3-16 T	3-16 T + 2-20 T	3-16 T	10% 2L @ 100 CC	
B4	250X650	3-16 T + 3-20 T	3-20 T	3-16 T + 3-20 T	3-20 T	10% 2L @ 100 CC	
B5	250X650	3-16 T + 3-20 T	3-20 T	3-16 T	3-20 T	10% 2L @ 100 CC	10% 2L @ 150 CC
B7	250X650	3-16 T + 3-20 T	3-20 T	3-16 T	3-20 T	10% 2L @ 100 CC	10% 2L @ 150 CC
B8	250X650	2-16 T	3-16 T	2-16 T	2-16 T	8% 2L @ 100 CC	8% 2L @ 200 CC
B9	250X650	3-16 T + 2-20 T	3-16 T	3-16 T	2-20 T	8% 2L @ 100 CC	8% 2L @ 150 CC
B10	250X650	2-16 T + 2-16 T	3-16 T	3-16 T	3-16 T	8% 2L @ 100 CC	8% 2L @ 150 CC
B11	250X650	2-16 T	3-16 T	2-16 T	2-16 T	8% 2L @ 100 CC	8% 2L @ 200 CC
B12	250X650	3-16 T + 2-20 T	2-20 T	2-16 T	2-16 T	8% 2L @ 75 CC	8% 2L @ 100 CC
B13	250X450	2-16 T	2-16 T	2-16 T	2-16 T	8% 2L @ 100 CC	
B14	250X650	2-16 T + 2-16 T	2-16 T	2-16 T	2-16 T	8% 2L @ 100 CC	8% 2L @ 150 CC
B15	250X650	3-20 T + 3-20 T	2-16 T	3-20 T	3-20 T	10% 2L @ 100 CC	
B16	250X650	3-16 T + 3-16 T	3-16 T	3-16 T	3-16 T	8% 2L @ 100 CC	8% 2L @ 150 CC
B17	250X650	3-20 T + 3-20 T	2-20 T	3-20 T	3-20 T	10% 2L @ 100 CC	
B18, B20, B21	250X650	3-20 T + 2-20 T	2-20 T	3-20 T + 2-20 T	3-20 T	10% 2L @ 100 CC	
B19	250X650	3-16 T	3-16 T	3-16 T	3-16 T	10% 2L @ 125 CC	
B22	250X650	3-16 T + 3-16 T	3-16 T	3-16 T	3-16 T	10% 2L @ 125 CC	
B23	300X650	3-20 T + 2-20 T	3-20 T	3-20 T + 2-20 T	3-20 T	10% 2L @ 100 CC	10% 2L @ 200 CC
B24	300X1000	4-25 T + 4-25 T	4-20 T	3-25 T	4-20 T	12% 2L @ 100 CC	12% 2L @ 200 CC

SCHEDULE OF 1ST FLOOR SLAB

SLAB MKD.	SLAB THICK. (MM)	SHORTER SPAN (MM)	LONGER SPAN (MM)	REINFORCEMENT
S1	125	8% @ 150 CC	8% @ 150 CC	8% @ 175 CC
S2	125	8% @ 175 CC	8% @ 175 CC	8% @ 200 CC
S3	125	8% @ 200 CC	8% @ 200 CC	8% @ 200 CC
S4	125	8% @ 150 CC (MAIN WITH 8% @ 200 CC (DIST))	8% @ 200 CC (BOT) (B+W)	8% @ 200 CC
S5	185	10% @ 125 CC	10% @ 125 CC	10% @ 150 CC
S6	165	10% @ 150 CC	10% @ 150 CC	10% @ 175 CC
S7	250	12% @ 100 CC	12% @ 100 CC	12% @ 150 CC
ST	175	12% @ 150 CC (MAIN WITH 10% @ 200 CC (DIST))		

8% 200 DISTRIBUTOR BAR ADDED WHEREVER REQUIRED

GRADE OF CONCRETE

PILE	PILE CAP	BEAM, COLUMN, SLAB
M25	M30	M35 - FOUNDATION TO 2ND FL. LVL. M30 - 2ND FL. LVL. TO 4TH FL. LVL. M25 - 4TH FL. LVL. TO ROOF.

- NOTES -**
- ALL DIMENSIONS ARE IN MILLIMETERS.
 - ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - ROAD CREST LEVEL IS TAKEN AS +0.00 LEV.
 - CLEAR COVER TO SECONDARY REINFORCEMENT-
a) FOUNDATION (PILE)- 50 MM b) 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).
 - 6% INDICATES COLD TWISTED DEFORMED BAR AS PER IS 1786.
 - GRADE OF CONCRETE - AS PER SCHEDULE.
 8. GRADE OF STEEL- F-500
 9. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING.
 10. ALL SORTS OF PRECAUTIONARY MEASURES WILL BE TAKEN AT THE TIME OF CONSTRUCTION.