

TB3 ILC2 | (C36) | TB1 | (C37) | TB7(3C28)

TIE BEAM LAYOUT PLAN.

			SC	CHEDU	LE OF	TIE BE	EAM.		
BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT.						STIRRUPS	
		CONT. SUPPORT		SPAN		DISCONT. SUPP.		STIRROTS	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	SUPPORT	SPAN
TB1	250X450	2-12∓+ 2-16∓	2-12₹	2 -12₹	2-12∓+ 1-16∓	2 -12₹	2 -12₹	8₹-2L @ 100 C/C	8₹-2L @ 250 C/C
TB2	350X600	3-16∓+ 3-16∓	3-16₹	3-16₹	3-16∓+ 2-16∓	3-16₹	3-16₹	8Ф-4L @ 100 C/C	8₹-4L @ 200 C/C
TB3	250X450	3-12₹	2-12₹	2 -12₹	3-12₹	2 -12₹	2 -12₹	8₹-2L @ 100 C/C	8₹-2L @ 250 C/C
TB4	250X450	2-12∓+ 1-16∓	2-12₹	2 -12₹	3-12₹	2 -12₹	2 -12₹	8₹-2L @ 100 C/C	8₹-2L @ 250 C/C
TB5	250X450	3-12₹	2-12₹	ALTH.				8₹-2L @ 100 C/C	
TB6	250X450	2-12∓+ 2-16∓	2-12₹	CANTILEVER.			L .	8₹-2L @ 100 C/C	
TB7	250X450	2-12⊕+ 3-16⊕	2-16₹	2 -12₹	3-16₹	2 -12₹	2 -16₹	8₹-2L @ 100 C/C	8₹-2L @ 250 C/C
TB8	250X450	2-12∓+ 2-16∓	3-12₹	ALTH.				8₹-2L @ 100 C/C	
TB9	250X600	2-12∓+ 3-16∓	2-16₹	2 -12₹	3-16₹	2 -12₹	2 -16₹	8₹-2L @ 100 C/C	8₹-2L @ 250 C/C

GRADE OF CONCRETE

PILE PILE BEAM, COLUMN, SLAB

M35- FOUNDATION TO 2ND FL. LVL.

M25 M30 M30- 2ND FL. LVL. TO 4TH FL. LVL.

M25- 4TH FL.

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. ROAD CREST LEVEL IS TAKEN AS ± 0.00 LEV.
4. CLEAR COVER 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.
5. LAP / ANCHORAGE LENGTH SHOULD BE GENERALLY
50D, (D = DIA OF BAR).

5. \$\Pi\$ INDICATES COLD TWISTED DEFORMED BAR

LVL. TO ROOF.

AS PER I.S 1786.
7. GRADE OF CONCRETE - AS PER SCHEDULE.
8. GRADE OF STEEL- Fe- 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.

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.

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. KHATIAN 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 RULES. NO SUCH WRONG AND INCORRECT INFORMATION HAS BEEN FURNISHED BY ME INCLUDING AREA CALCULATION CHARTS IN THIS DRAWING AND NO VIOLATION OF THE PROVISION OF THESE RULES WILL BE FOUND IN ANY OF

THE DRAWINGS AND DOCUMENTS, SUBMITTED TO THE SANCTIONING

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

AUTHORITY FOR OBTAINING SANCTION.

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

Rupak Kurnar Baneria

SIGNATURE OF THE STRUCTURAL ENGINEER
RUPAK KUMAR BANERJEE
M.I.G.S., M.I.E, CHATERED 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 TES
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 CERTIY 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.F K.M.C., ESE-92(1), 1G-89, Sec-II, 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 TH
SOIL SAMPLES FOR ESTIMATING THE BEARING CAPACITY OF THE
SOIL ON WHICH FOUNDATION OF THE STRUCTURE WILL BE

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

S. K. Mandal
B.E. (Civil), M.I.E., M.I.O.S. LM
L.B.S. Class-1 (K.M.C), ESE
Consulting Chartered Engin
Structural & Geo-Technica
ESE-II/399, LBS-1 1248,
Reg. N.K.D.A., OTER/NKDA/10)
And ESE-I & GEO-TECH-1
Recommended by MED. Govt. O
Geo-I/GOI/U.K.M., ST-I/002/U
GT-I/43/KM.

THE APPROPRIATE DEPTH THAT HAS BEEN PROPOSED IN THE

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.

TIE BEAM 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 CPK/RAJACR/DMKN/CORP./PL-2 CHIRANJIB SUBHADEEP 2 OF 4

SCALE
1:100 A R C H I T E C T

RAJ AGRAWAL & ASSUCIATES

8B, ROYD STREET, CALCUTTA
CONSULTANTS: -B.CHAKRABORTY & ASSOCIATES

ARCHITECTS & ENGINEERS

NANDANKANAN, DANKUNI, HOOGHLY