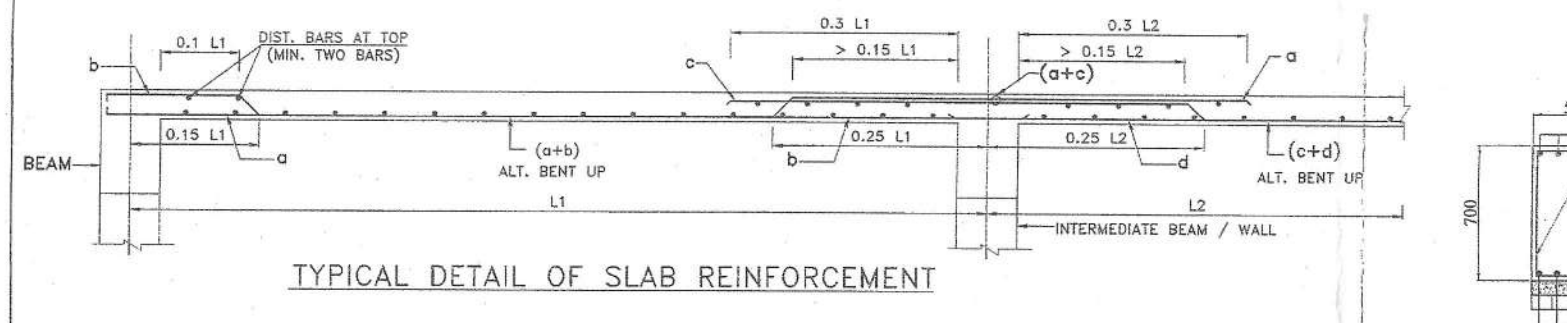


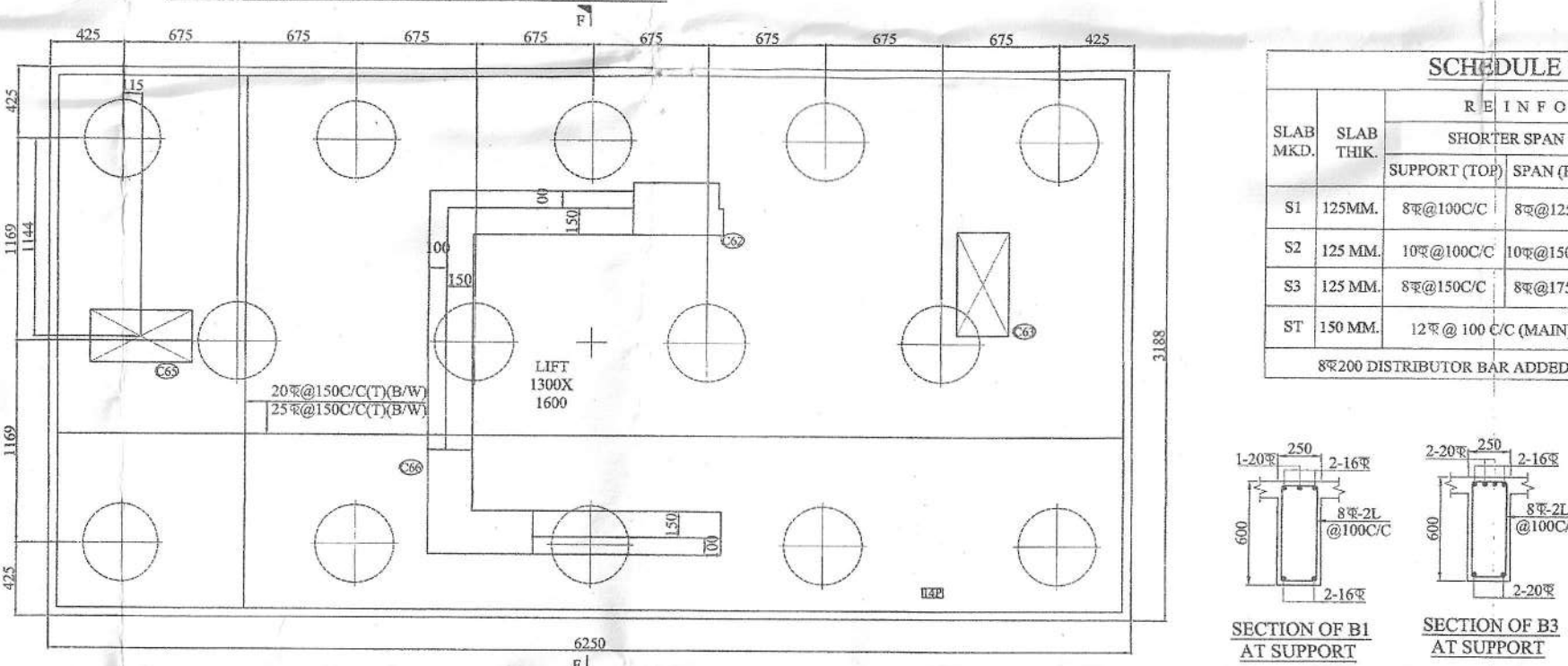
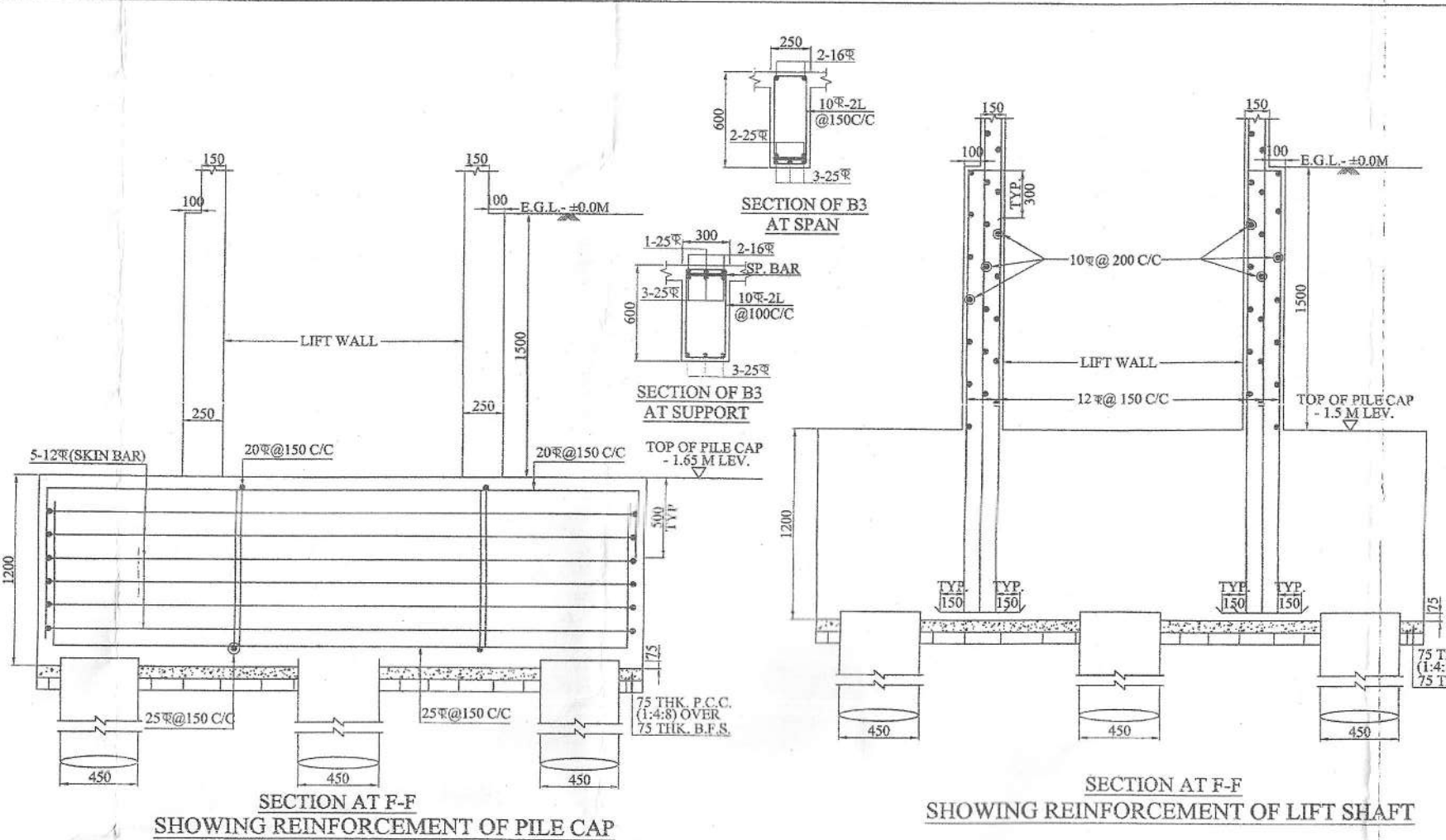
TYPICAL DETAIL OF BEAM (LONGITUDINAL SECTION)



TYPICAL DETAIL OF SLAB REINFORCEMENT

SCHEDULE OF BEAM											
BEAM MKD.	BEAM SIZE	CONT. SUPPORT				SPAN		DISCONT. SUPP.		STIRRUPS	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.	SUPPORT	SPAN
B1	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 175 C.C.
B1A	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 100 C.C.		
B2	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 150 C.C.
B2A	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 150 C.C.
B3	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 150 C.C.
B3A	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 100 C.C.		
B5	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 175 C.C.
B6	250X600	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 100 C.C.
B7	250X600	2-16 ⁺	2-16 ⁻	2-12 ⁺	2-12 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 150 C.C.
B7A	250X600	2-16 ⁺	2-16 ⁻	2-12 ⁺	2-12 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 150 C.C.		
B9	250X600	2-12 ⁺	2-12 ⁻	2-12 ⁺	2-12 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 150 C.C.		
B10	250X600	2-20 ⁺	2-20 ⁻	2-20 ⁺	2-20 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100 C.C.	8 ϕ -2L @ 250 C.C.		

GRADE BEAM SCHEDULE											
BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT				SPAN		DISCONT. SUPP.		STIRRUPS	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.	SUPPORT	SPAN
GB1	500x650	5-25 ⁺	5-25 ⁻	5-25 ⁺	5-25 ⁻	ALTH.	ALTH.	10 ϕ 4L @ 150C.C.	10 ϕ 4L @ 150C.C.		

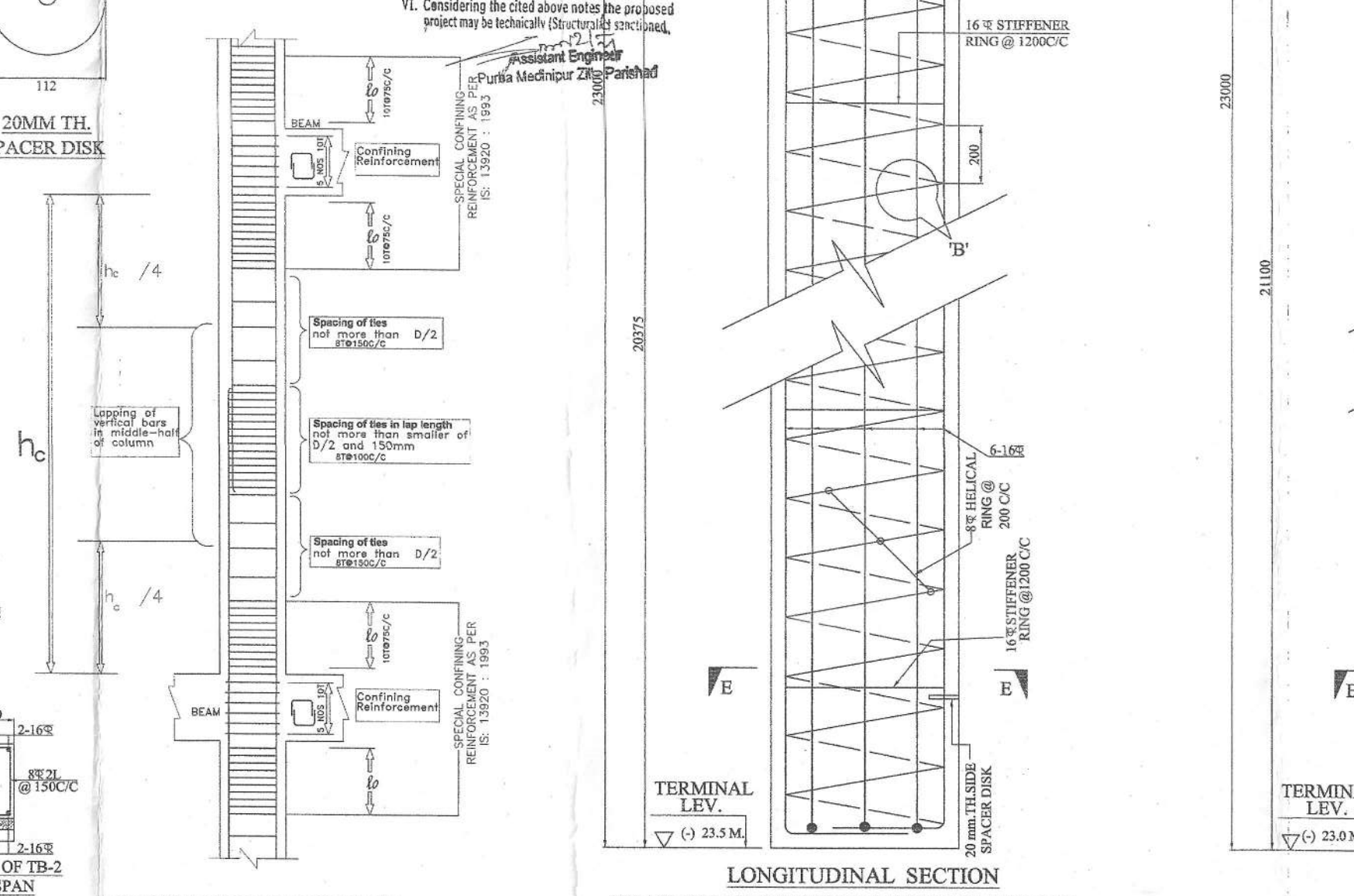
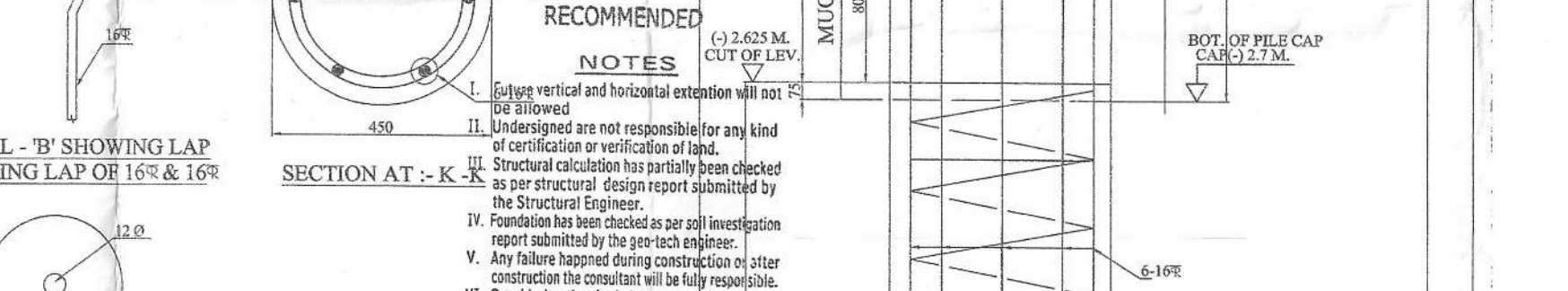
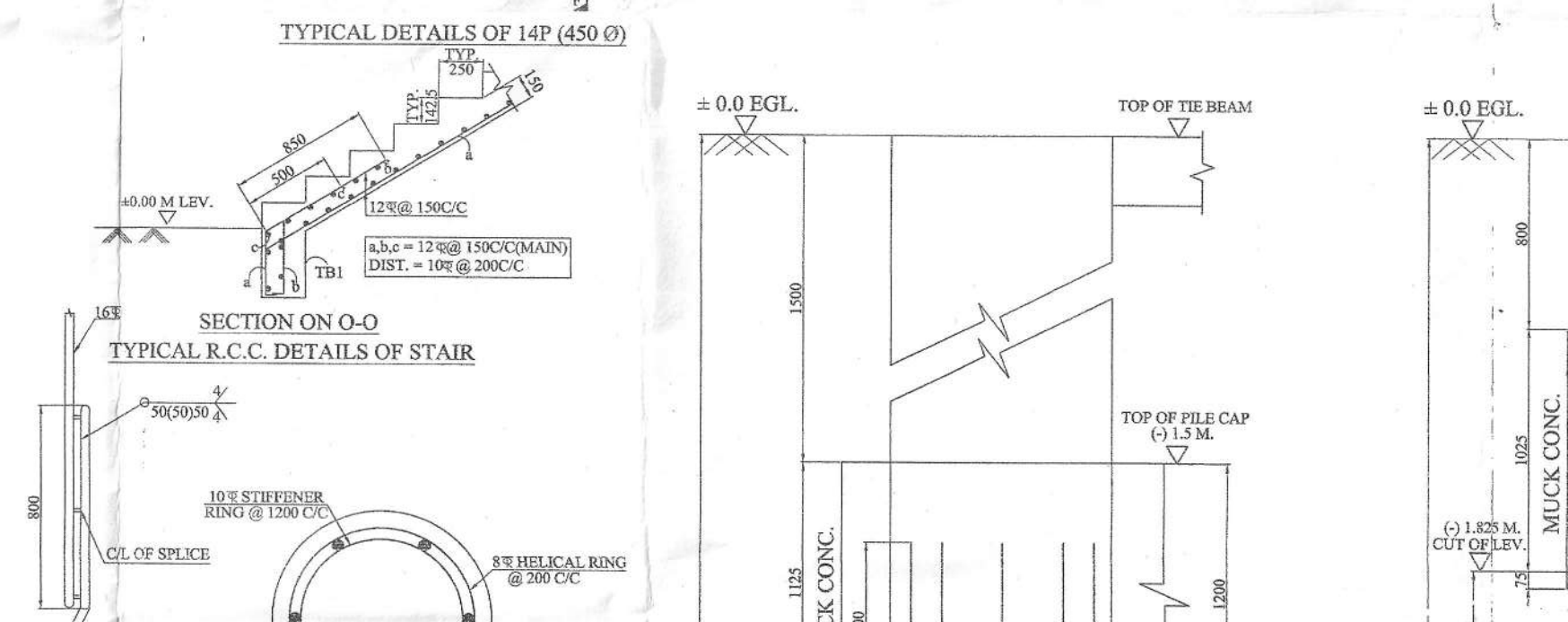
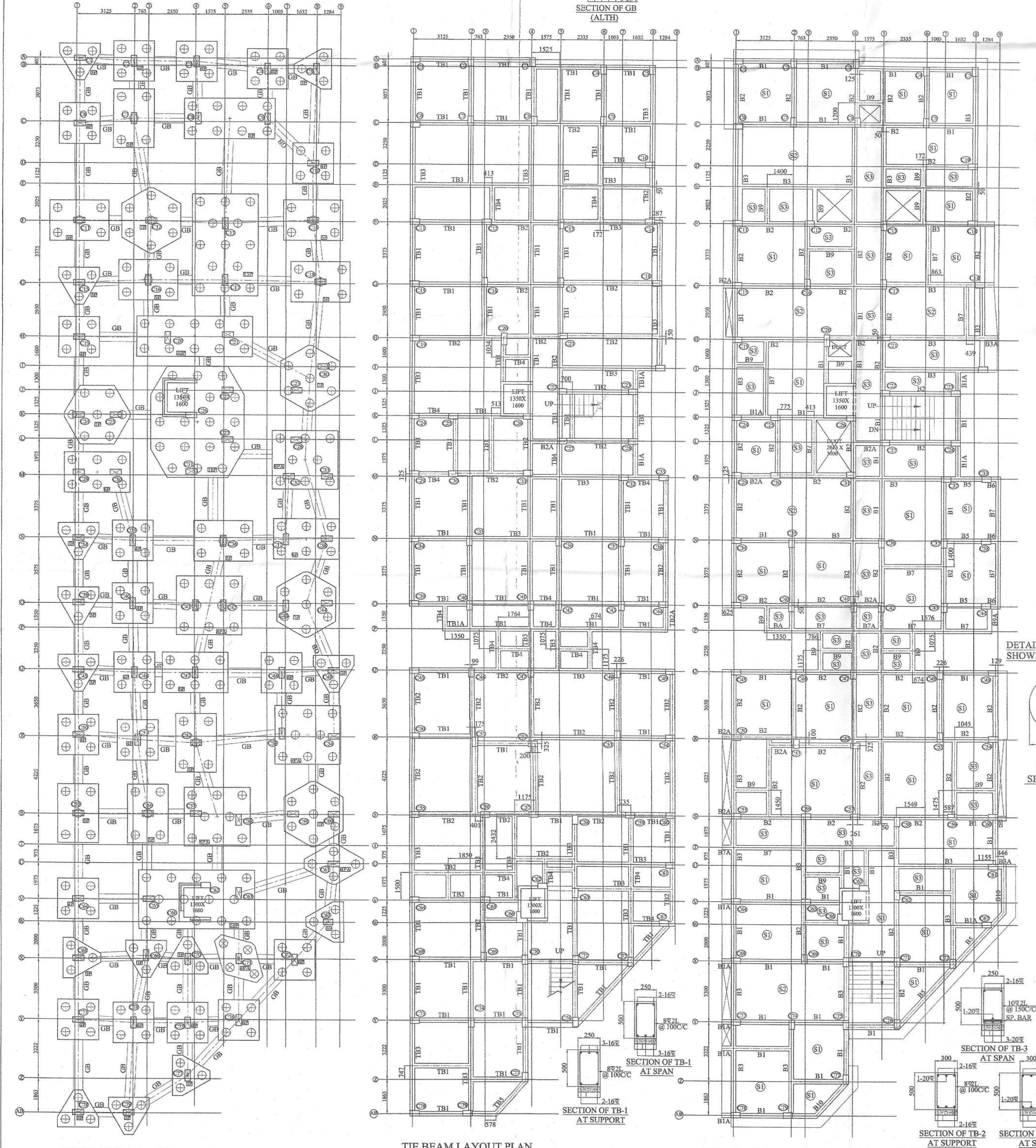


SCHEDULE OF SLAB											
SLAB MKD.	SLAB THIK.	R.E.I.N.F.O.R.C.E.M.E.N.T.				SPAN		DISCONT. SUPP.		STIRRUPS	
		SHORTER SPAN	LONGER SPAN	TOP	BOT.	TOP	BOT.	TOP	BOT.	SUPPORT	SPAN
S1	125MM	8 ϕ @100C.C.	8 ϕ @125C.C.	8 ϕ @100C.C.	8 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
S2	125MM	10 ϕ @100C.C.	10 ϕ @150C.C.	10 ϕ @100C.C.	10 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
S3	125MM	8 ϕ @150C.C.	8 ϕ @175C.C.	8 ϕ @150C.C.	8 ϕ @175C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
S7	150MM	12 ϕ @100 C.C.	(MAIN) WITH 8 ϕ 200 C.C. (DIST.)								

SCHEDULE OF R.C.C. COLUMN									
COLUMN MKD.	COLUMN SIZE	R.E.I.N.F.O.R.C.E.M.E.N.T.				LINKS			
		GR. FLOOR	1 ST FLOOR	4 TH FLOOR	6 TH FLOOR				
C2,C3,C4,C9,C14,C15,C16,C17,C18,C19,C21,C22,C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C64,C67,C68,C69,C71,C72,C73,C74,C75,C76,C77,C79,C80.	300 X 400	14-20 ϕ	14-20 ϕ	14-20 ϕ	14-20 ϕ	10 ϕ LINC @ 100 /150 C.C. FOR ALL VERT.			
C1,C5,C6,C7,C10,C11,C13,C14,C19,C20,C26,C27,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C64,C67,C68,C69,C71,C72,C73,C74,C75,C76,C77,C79,C80.	300 X 400	8-25 ϕ	8-25 ϕ	8-25 ϕ	8-25 ϕ				
C8,C12,C26,C47,C52,C63,C65.	300 X 300	16-25 ϕ	16-25 ϕ	16-25 ϕ	16-25 ϕ				
C90	300 X 300	16-25 ϕ	16-25 ϕ	16-25 ϕ	16-25 ϕ				
C66	300 X 300	12-16 ϕ	12-16 ϕ	12-16 ϕ	12-16 ϕ				

THE BEAM SCHEDULE											
BEAM MKD.	BEAM SIZE	MAIN REINFORCEMENT				SPAN		DISCONT. SUPP.		STIRRUPS	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.	SUPPORT	SPAN
TB1	250x500	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100C.C.	8 ϕ -2L @ 150C.C.
TB2	250x500	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100C.C.	8 ϕ -2L @ 150C.C.
TB3	250x500	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	8 ϕ -2L @ 100C.C.	8 ϕ -2L @ 150C.C.
TB4	250x500	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100C.C.	8 ϕ -2L @ 150C.C.		
TB5	250x500	2-16 ⁺	2-16 ⁻	2-16 ⁺	2-16 ⁻	ALTH.	ALTH.	8 ϕ -2L @ 100C.C.	8 ϕ -2L @ 150C.C.		

SCHEDULE OF PILE CAP										
PILE CAP MKD.	PILE CAP DEPTH	SIZE	MAIN REINFORCEMENT				SKIN BAR			
			ALONG LONGER SIDE	ALONG SHORTER SIDE	TOP	BOTTOM				
1	3P	1000	2200 X 2019	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
2	4P	1000	2200 X 2200	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
3	5P	1000	2200 X 3188	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
4	6P	1000	2200 X 3550	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.	16 ϕ @150C.C.
5	7P	1000	3118 X 3550	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.
6	8P	1000	2200 X 4900	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.
7	8PA	1000	3118 X 3550	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.
8	14P	1200	3118 X 6250	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.	20 ϕ @150C.C.
9	18P	1500	5058 X 6018	25 ϕ @150C.C.	25 ϕ @150C.C.	25 ϕ @150C.C.	25 ϕ @150C.C.	25 ϕ @150C.C.	25 ϕ @150C.C.	25 ϕ @150C.C.
10	4PA	1000	2200 X 2200	16 ϕ @100C.C.	16 ϕ @100C.C.	16 ϕ @100C.C.	16 ϕ @100C.C.	16 ϕ @100C.C.	16 ϕ @100C.C.	16 ϕ @100C.C.



NOTE: BRICK WORK SHALL BE BY LIGHTWEIGHT BRICK OR AAC BLOCKS.

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES.
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- ROAD CREST LEVEL IS TAKEN AS A R.O.M. LEV.
- CLEAR COVER TO MAIN REINFORCEMENT:
 - FOUNDATION - 50 MM.
 - COLUMNS - 40 MM.
 - FLOOR BEAM - 30 MM.
 - SLAB - 20 MM.
 - THE BEAM - 30 MM.
- LAP ANCHORAGE LENGTH SHALL BE GENERALLY 30D, (D = DIA OF BAR).
- 8 ϕ INDICATES COLD TWISTED DEFORMED BAR AS PER IS 1786.
- GRADE OF CONCRETE M - 30.
- GRADE OF STEEL - Fe - 50.
- READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING.
- ALL SORTS OF PRECAUTIONARY MEASURES WILL BE TAKEN AT THE TIME OF CONSTRUCTION.

SIGNATURE OF ARCHITECT -

CERTIFICATE - I certify that all the Architectural Drawings of the project have been prepared by me complying with the West Bengal Municipal (Building) Rules 2009. I shall be held responsible if any incorrect information is furnished by me or any violation of the provisions of these rules or the prevailing National Building Code is found in any of the drawings prepared by me and submitted to the Satisfying Authority for obtaining sanction. If any land & Land boundary related issue is appear then I am full responsible for any violation of drawing has been done during construction or after construction then I am fully responsible.

SIGNATURE OF STRUCTURAL ENGINEER -

CERTIFICATE - I 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, wind load and the moments generated by the proposed structure as per the Bureau of Indian Standard and National Building Code of India and certified that it is safe and stable in all respect and these provisions shall be adhered to during the construction. If any structural and geotechnical failure are occurred during construction or after construction then I am fully responsible.

SIGNATURE OF OWNER -

Checked & Vetted

Dr. Partha Ghosh
R. S. M. Engineering College (Ph.D.)
Associate Professor
Construction Engg. Department
Jadavpur University, Kolkata-700030

AB Consulting Engineers

M/S. AB CONSTRUCTIVE DEVELOPER, BARBAHALA, MECHEDA, PURBA MEDINIPUR, REPRESENTED BY PARTNER SRI ARUN KUMAR BERA & SRI BARUN BERA AS CONSTITUTED ATTORNEY OF

- SRI DIBAKAR SAMUI
- SMT. MADHABI MAHAPATRA @ SMT. GITA MAHAPATRA
- SRI SWAPAN MAHAPATRA @ SRI MADHUSUDAN MAHAPATRA
- SRI GOURI SANKAR GHOSH
- SRI SATI SANKAR GHOSH

PROJECT - 677 STOKED RESIDENTIAL BUILDING AT DAG NO - 118 (P.L. NO. - 293 KHATHAN NO. 253/1, 523/1, 511/1, 511/1, 677) OF MOUZA - RAKSHACHAK UNDER PURBA MEDINIPUR AREA - 33 DECIMAL

TITLE - FOUNDATION, TIE BEAM, FLOOR BEAM & SLAB LAYOUT PLAN WITH TYPICAL DETAILS AND SCHEDULE

COMMERCIAL SANCTIONED

Additional Executive Officer
Purba Medinipur