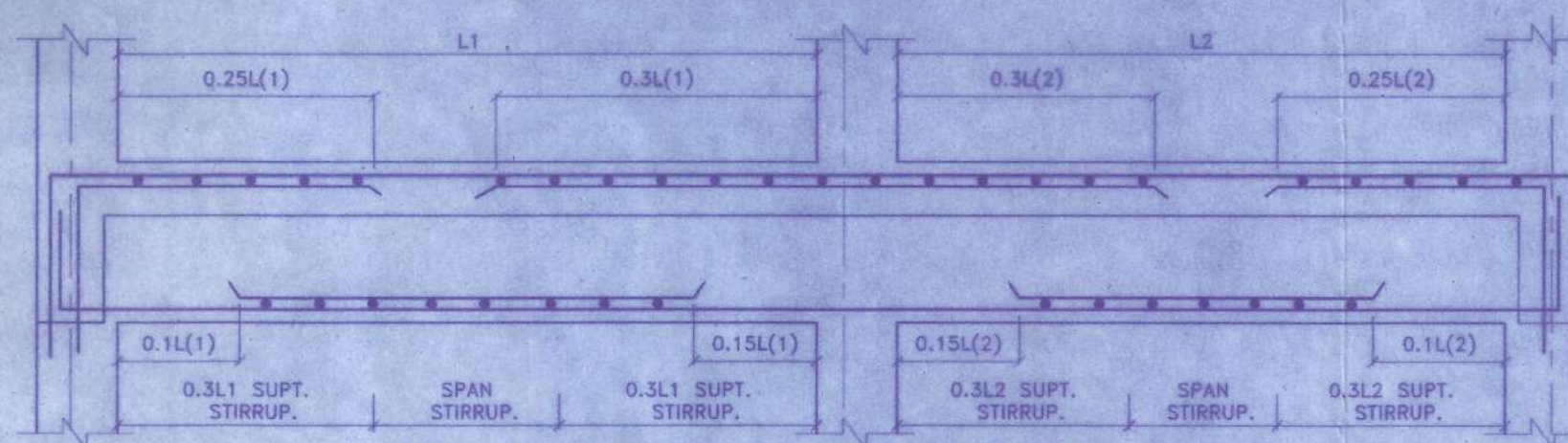


TYPICAL CROSS-SECTION OF SLAB SHOWING REINF. CURTAILMENT.

SLAB SCHEDULE		SHORTER SPAN		LONGER SPAN	
SLAB MKD.	SLAB THK.	SUPPORT TOP	MID SPAN BOT	SUPPORT TOP	MID SPAN BOT
S1	110	8 T @ 125 c/c	8 T @ 150 c/c	8 T @ 150 c/c	8 T @ 200 c/c

PROVIDE 8 T @ 200 C/C WHEREVER NECESSARY

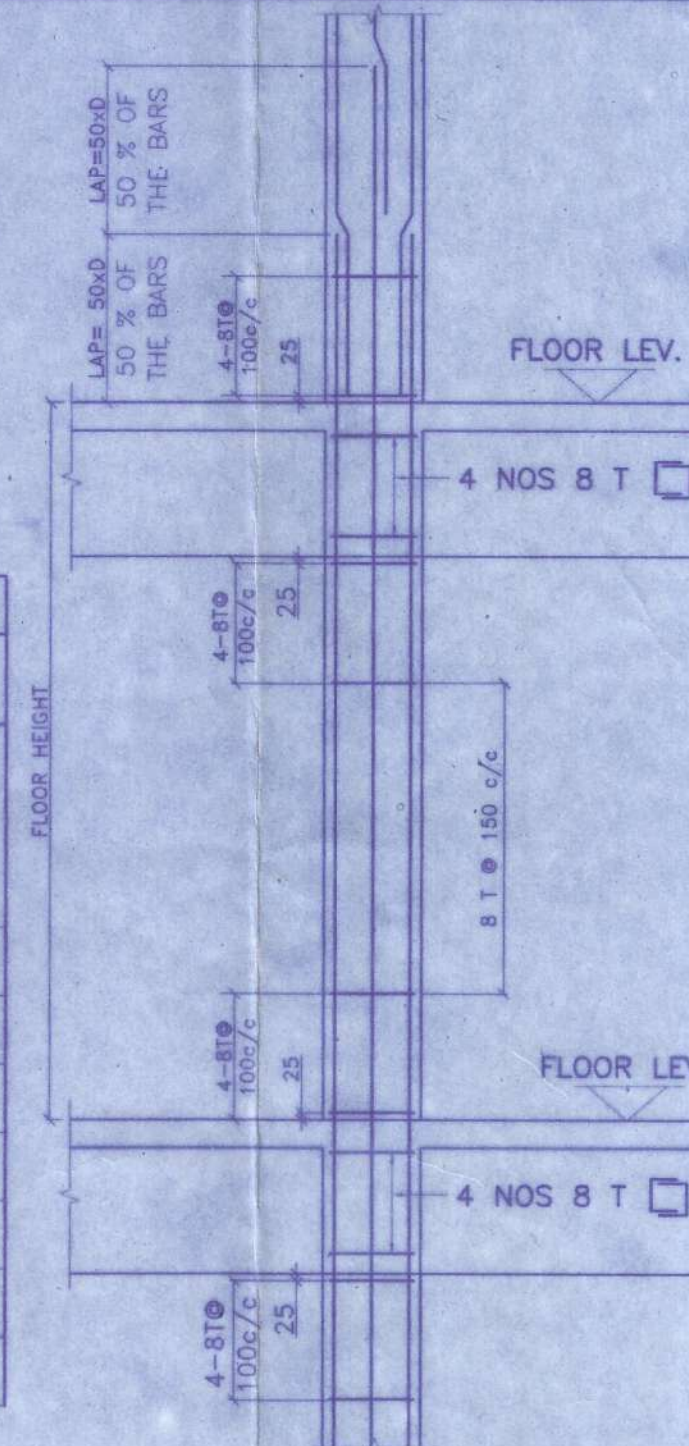


TYPICAL DETAIL OF CONTINUOUS BEAM

BEAM SCHEDULE							
BEAM MKD	SIZE (IN MM)	AT SUPPORT		AT SPAN		STIRRUPS	
		TOP	BOT	TOP	BOT	SUPPORT	SPAN
B1	250X500	4-20 T	2-20 T	2-20 T	3-20 T	2L-8T@100c/c	2L-8T@200c/c
B2	250X450	4-16 T	2-16 T	2-16 T	3-16 T	2L-8T@100c/c	2L-8T@200c/c
B3	250X500	2-16 T	2-16 T	2-16 T	2-16 T	2L-8T@200c/c	2L-8T@200c/c
C8	250X500	4-20 T	2-20 T	2-20 T	2-20 T	2L-8T@100c/c	2L-8T@100c/c

COLUMN SCHEDULE				
COLUMN NO.	SIZE	FOUND. TO 1st FLOOR	1st FLOOR TO 3rd FLOOR	3rd FLOOR TO ROOF
C1, C2, C3, C4, C5, C6, C8, C9, C10, C11, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C33, C34, C35, C36, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47	300 X 450	8-16T	4-16T+4-12T	4-16T+4-12T
C29	300 X 450	10-16T	6-16T+4-12T	4-16T+6-12T
C37	250 X 650	10-16T	6-16T+4-12T	4-16T+6-12T
C7, C30	250 X 675	10-16T	6-16T+4-12T	4-16T+6-12T
C32	250 X 775	12-16T	10-16T+2-12T	10-16T+2-12T
C12	250 X 800	12-16T	8-16T+4-12T	8-16T+4-12T
C31	250 X 875	14-16T	8-16T+4-12T	8-16T+4-12T

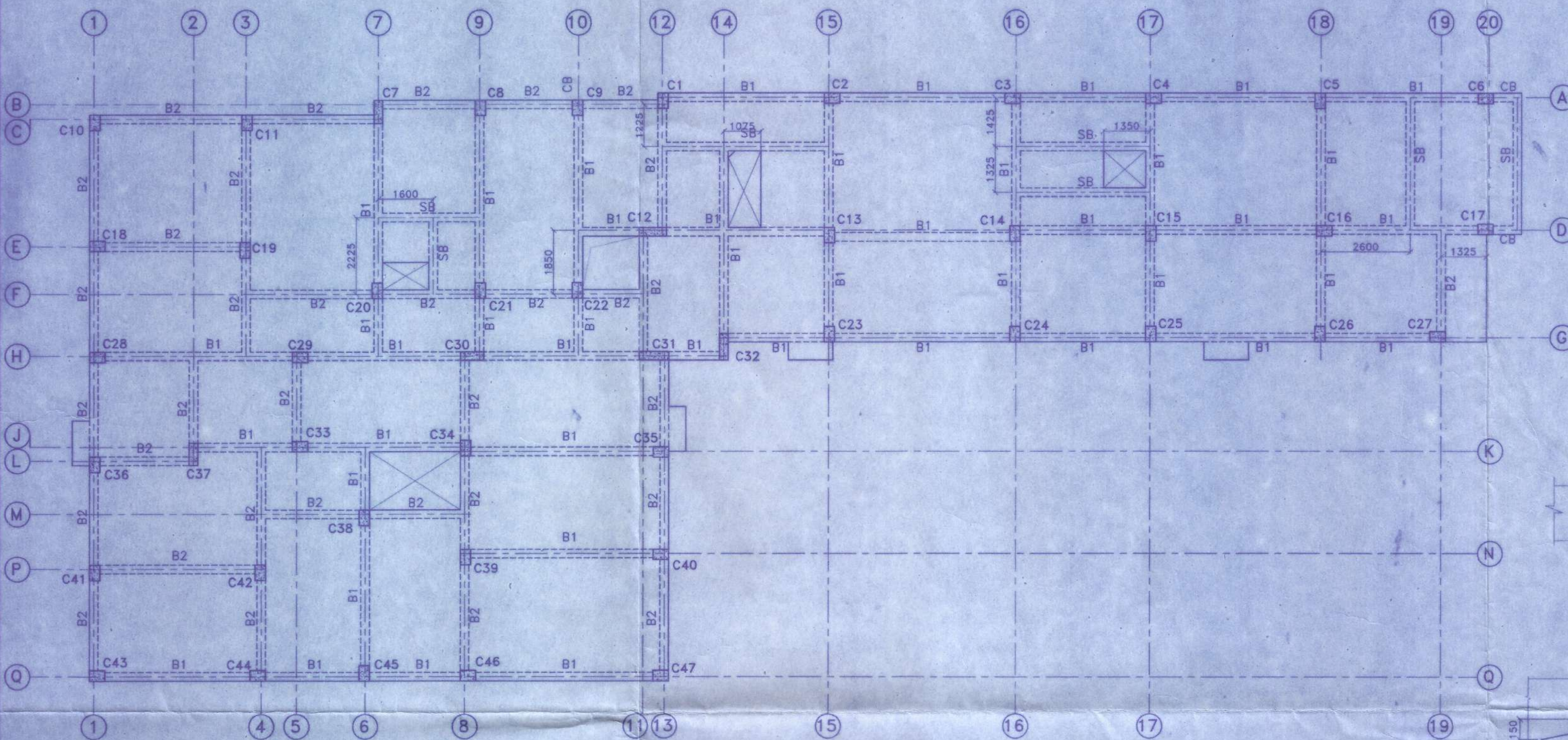
COLUMN LINKS SHOWN IN COL. TREE



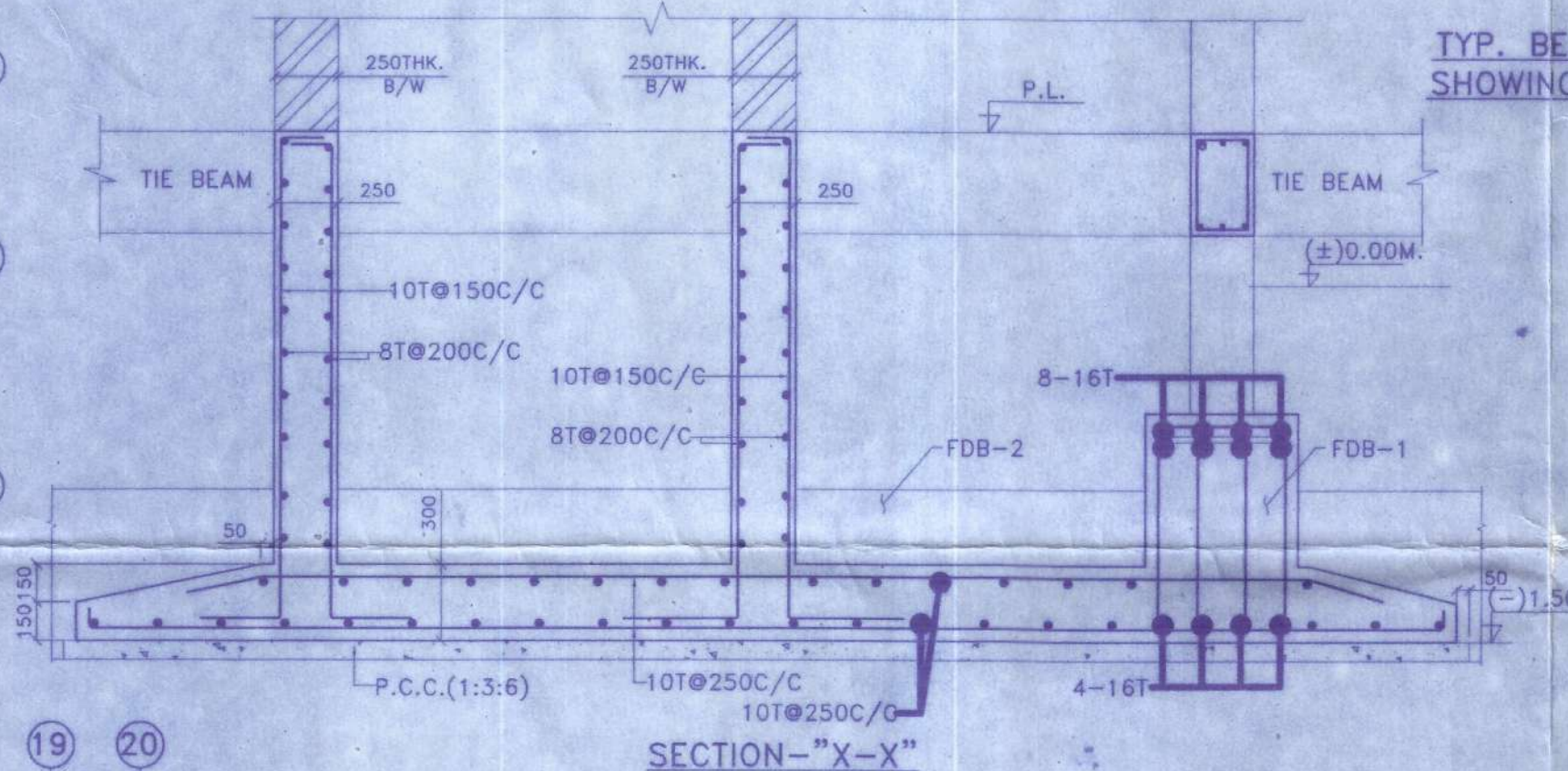
TYP. BEAM COLUMN JUNCTION SHOWING LINK ARRANGEMENT

PROJECT:
 STRUCTURAL PLAN & DETAILS OF THE PROPOSED G+IV STORIED RESIDENTIAL APARTMENT BUILDING AT J.L. NO. 16; L.R. DAG NO. 1951; L.R. KHATIAN NO. 7777 MOUZA : SIMLA; P.S. : CHINSURAH UNDER KODALIA 1 NO. GRAM PANCHAYET; DIST. : HOOGHLY

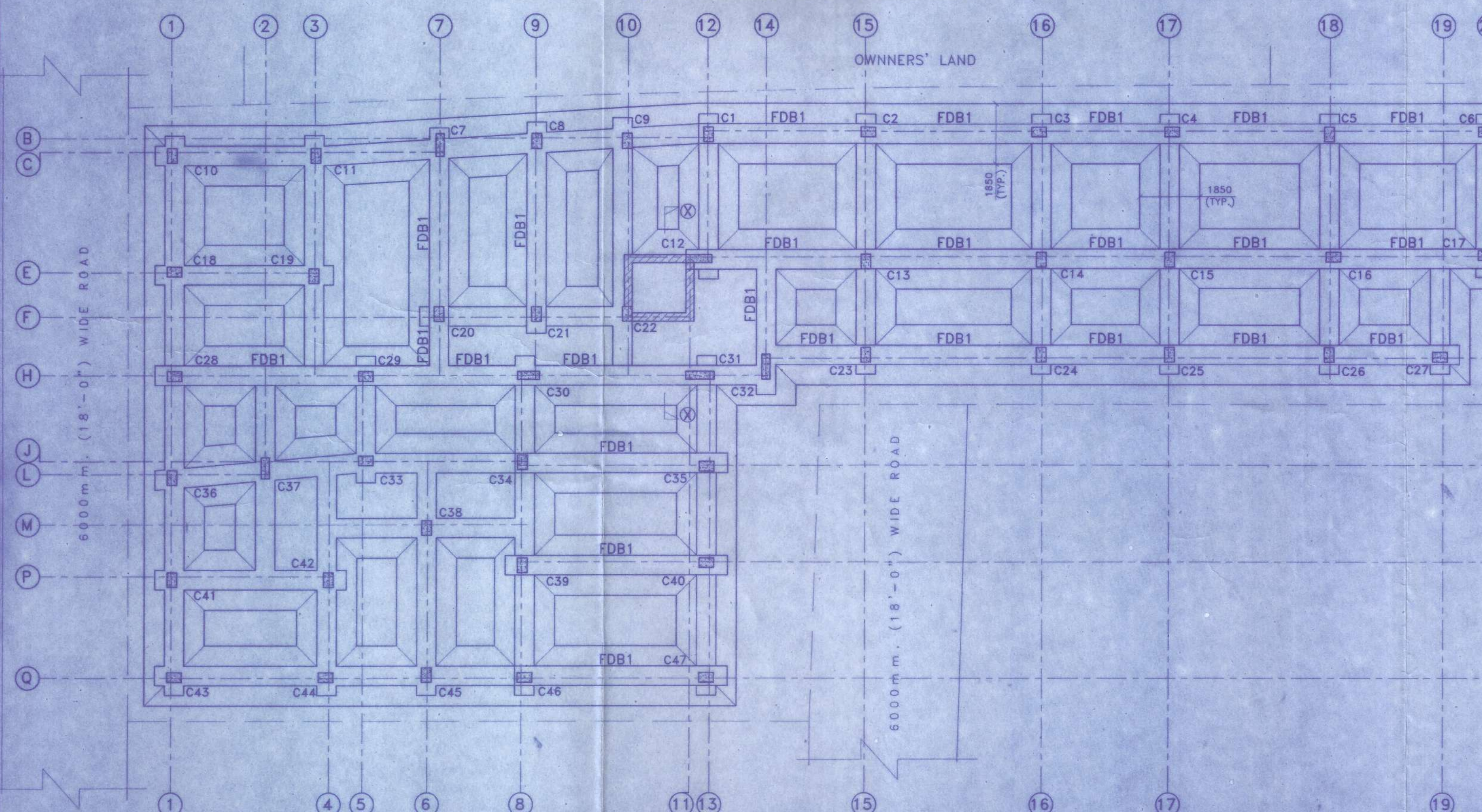
- NOTES:
- ALL DIMENSIONS ARE IN MM. & LEVELS ARE IN M. U.N.O.
 - GRADE OF REINFORCEMENT IS Fe500.
 - GRADE OF CONCRETE IS M25.
 - LAP/BONDS LENGTH SHALL BE $40 \times d$ WHERE d IS THE DIA OF SMALLER BAR.
 - CLEAR COVER TO REINFORCEMENT-
 A. FDN, SLAB & BEAM = 50 mm.
 B. COLUMN, RETAINING WALL & TIE BEAM = 40 mm
 C. FLOOR BEAM = 25 mm
 D. FLOOR SLAB = 20 mm
 E. WAIST SLAB = 20 mm.
 - STEEL CHAIRS AND SPACER BARS WHEREVER NECESSARY SHALL BE PROVIDED BETWEEN TWO LAYERS OF REFN.
 - FOR ANY OTHER GUIDELINE NOT STATED IN THIS DRG. RELEVANT I.S. CODES ARE TO BE FOLLOWED.
 - DIMENSIONS ARE TO READ ONLY, NOT TO BE SCALED.



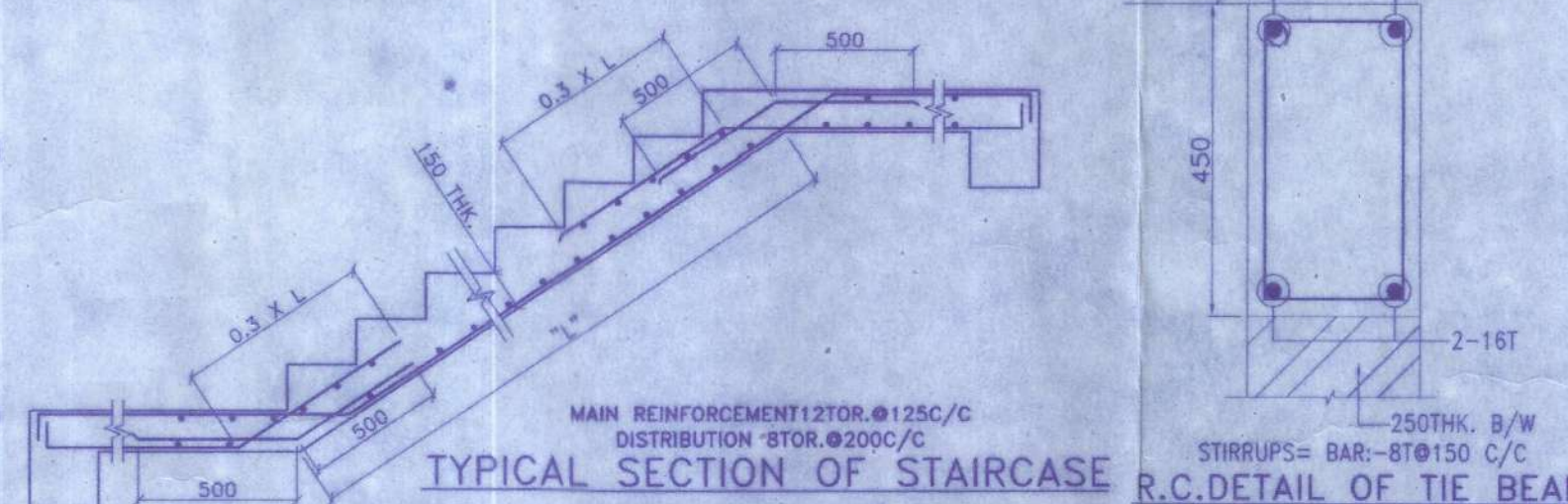
GENERAL ARRANGEMENT AT TYPICAL FLOOR LEVELS.
 [U.N.O. ALL SLAB ARE S1 (110mm. THK.)]



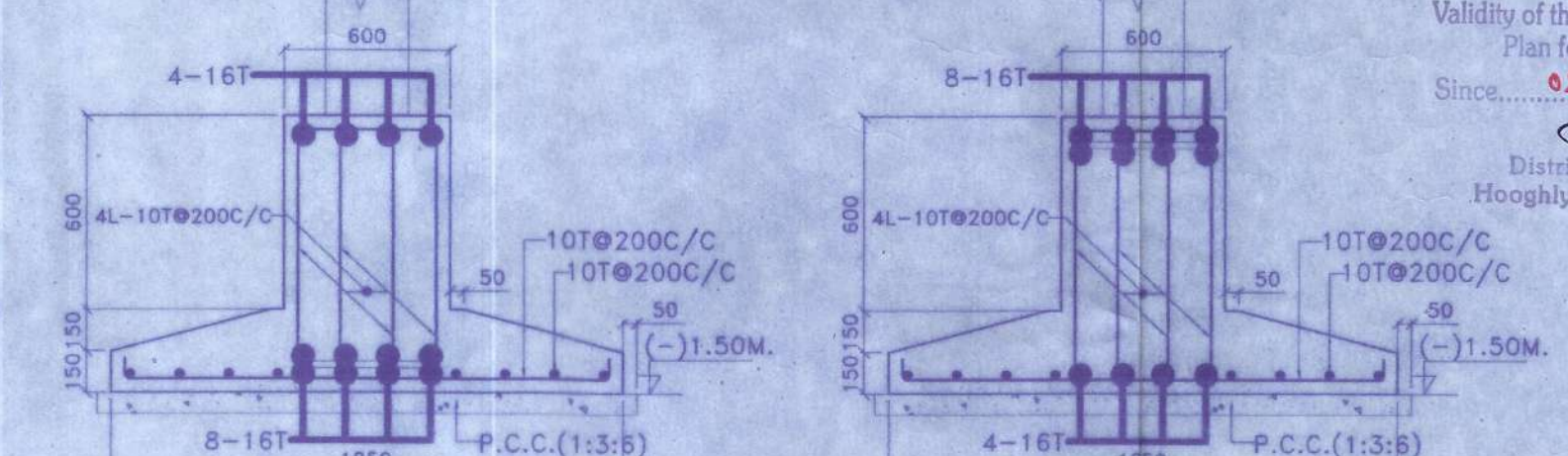
SECTION - "X-X"



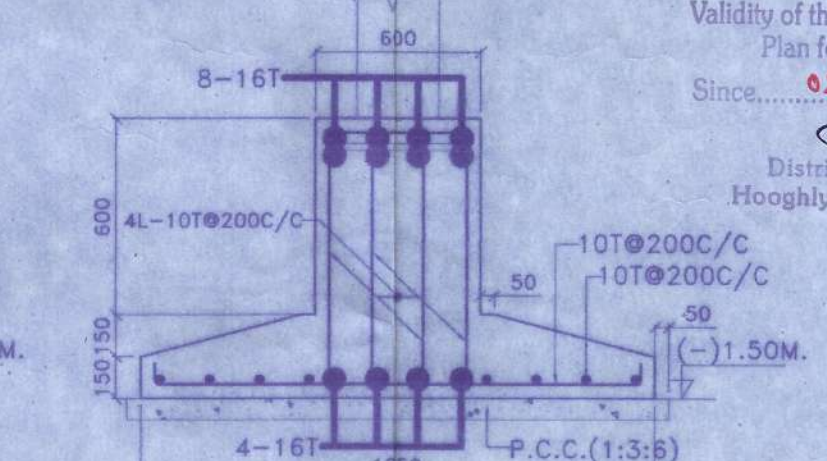
FOUNDATION LAYOUT PLAN.
 [UNLESS MENTIONED ALL FOUNDATION BEAMS ARE MKD. FDB-2.]



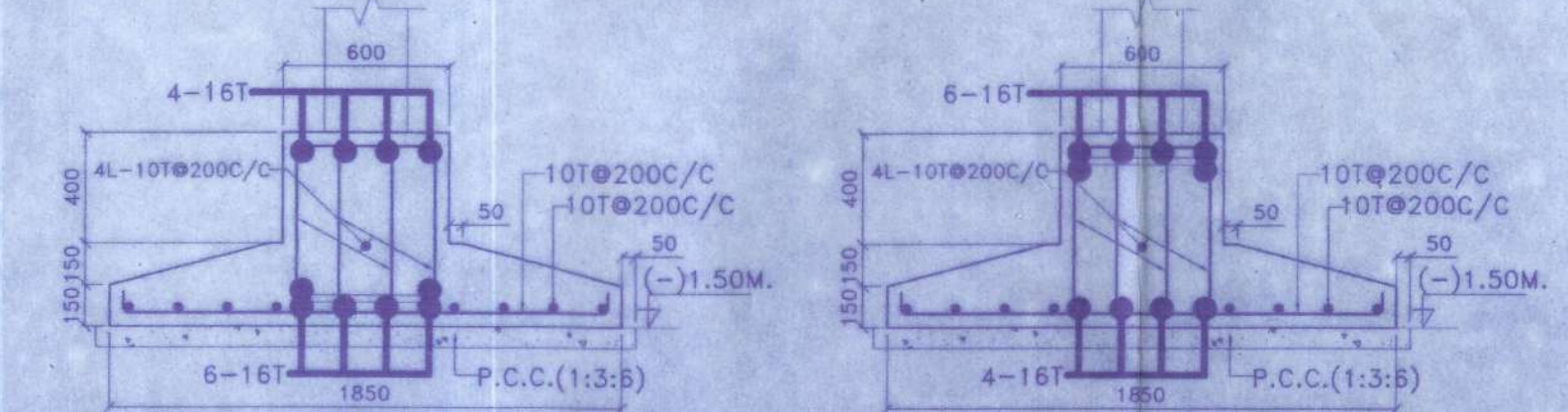
TYPICAL SECTION OF STAIRCASE R.C. DETAIL OF TIE BEAM



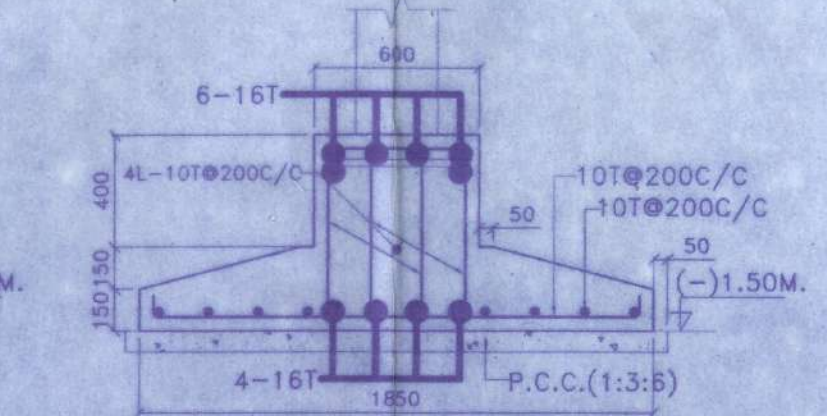
TYPICAL DETAILS OF STRIP FOUNDATION WITH BEAM MKD. FDB-1. [AT SUPPORT]



TYPICAL DETAILS OF STRIP FOUNDATION WITH BEAM MKD. FDB-1. [AT SPAN]



TYPICAL DETAILS OF STRIP FOUNDATION WITH BEAM MKD. FDB-2. [AT SUPPORT]



TYPICAL DETAILS OF STRIP FOUNDATION WITH BEAM MKD. FDB-2. [AT SPAN]

SANCTION

Jyotsna Chakraborty
 Tapas Chakraborty
 Karmadiyatala
 Purta Kanya O'Paradise
 Chinsurah Gram Panchayat Society

May be Technically vetted
[Signature]
 Assistant Engineer
 Hooghly Zilla Parishad

- Recommendation
- The Foundation should be provide as per Bearing Capacity of Soil.
 - The Safety of structure should be checked as per I.S. Codes.
 - The Construction should be Carried out as per I.S. Codes under the Supervision of the Qualified Engineer.

East Hooghly Constructions Pvt. Ltd.
[Signature]
 Director

(SIGNATURE OF OWNER)

STRUCTURAL ENGINEERS' CERTIFICATE
 THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER I.S. CODES OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL TESTING HAS BEEN DONE BY GEOTECH ENGINEERS PVT. LTD., 6A, MILAN PARK, KOLKATA - 700 084. THE RECOMMENDATIONS OF SOIL TEST REPORT WILL BE CONSIDERED DURING STRUCTURAL CALCULATION.

Validity of the Technically vetted Plan for three years
 Since 05-03-2022
[Signature]
 District Engineer
 Hooghly Zilla Parishad

[Signature]
 Koushik Sengupta
 B.E. (CIVIL), M.E. (STRUCTURE)
 E.S.E.-1/76 (K.M.C.)

Technically vetted
[Signature]
 District Engineer
 Hooghly Zilla Parishad

ARCHITECT'S CERTIFICATE
 I CERTIFY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF W.B. MUNICIPAL (BUILDING) RULE 1950 AS AMENDED FROM TIME TO TIME AND AS PER THE SITE CONDITION WHEREIN THE PLOT IS BOUNDED BY BOUNDARY WALLS AND PILLARS AND IT CONFIRMS WITH THE PLAN. IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK.

[Signature]
 ANJAN DAS
 C.O.A. Regd. Architect
 CA/2003/31495

Checked & Vetted
[Signature]
 Dr. Partha Choudhury
 M.E. (Structural Engg), Ph.D. (Engg)
 Associate Professor
 Signature of Architecture Engg. Department
 Jadavpur University, Kolkata-700 086

STRUCTURAL CONSULTANT
 KSG PROJECTS AND INFRASTRUCTURE CONSULTANTS
 P-543, RAJA BASANTA ROY ROAD, KOLKATA-700-029.

SCALE:- 1:100, 1:50, 1:25, 1:10 DATE:- 18.11.2020.
 DRAWING NO.-KPIC/A.D./KODALIA G.P./CORP./1 OF 1