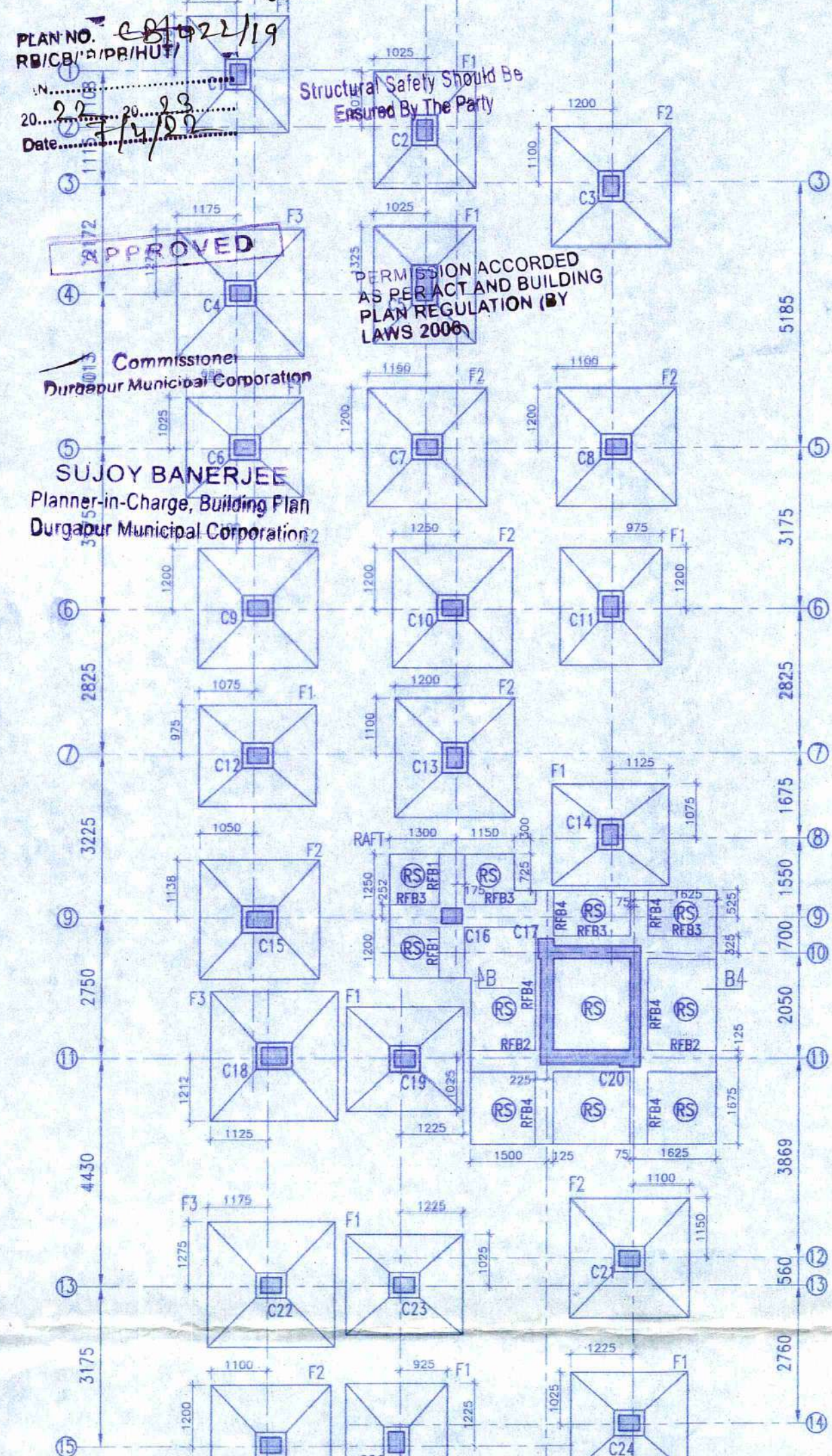




BUILDING PLAN APPROVED ON THE BASIS OF THE INDEMNITY BOND, LAND MUTATION & CONVERSION AS THE RESPONSIBILITY OF THE OWNER



FOUNDATION LAYOUT PLAN
RS MARKED SLAB 350mm THK.
SCALE-1:100

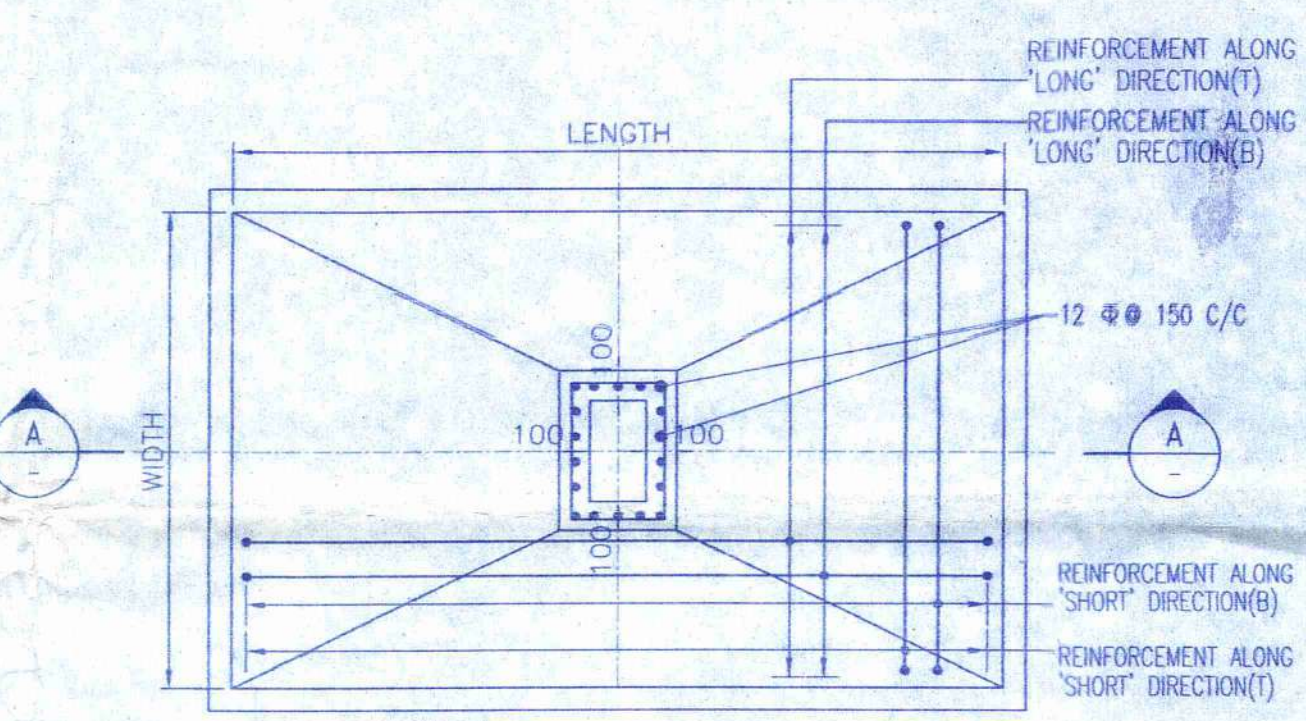
UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS				
			LENGTH (m)	WIDTH (m)	THICKNESS	DEPTH	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		
C1,C2,C5,C6,C11,C12,C14,C19,C23,C24,26	F1	11	2.300	2.000	450	250	1200	12 Φ 200 C/C	12 Φ 100 C/C	8 Φ 250 C/C	8 Φ 250 C/C
C3,C7,C8,C9,C10,C13,C15,C21,C25	F2	09	2.350	2.350	450	250	1200	12 Φ 100 C/C	12 Φ 100 C/C	8 Φ 250 C/C	8 Φ 250 C/C
C4,C18,C22	F3	03	2.500	2.500	500	300	1200	12 Φ 100 C/C	12 Φ 100 C/C	8 Φ 250 C/C	8 Φ 250 C/C

BEAM MARKED	BEAM SIZE	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
		ALTHROUGH	EXTRA AT SPAN	ALTHROUGH	EXTRA AT SUPPORT	
RFB1	500 x 400	4-16 Φ	-	4-16 Φ	2-12 Φ	4L-8 Φ 200 C/C
RFB2	400 x 400	4-16 Φ	-	4-16 Φ	4-12 Φ	4L-8 Φ 200 C/C
RFB3	450 x 400	4-16 Φ	-	4-16 Φ	4-12 Φ	4L-8 Φ 150 C/C
RFB4	350 x 400	3-16 Φ	-	3-16 Φ	3-12 Φ	4L-8 Φ 200 C/C

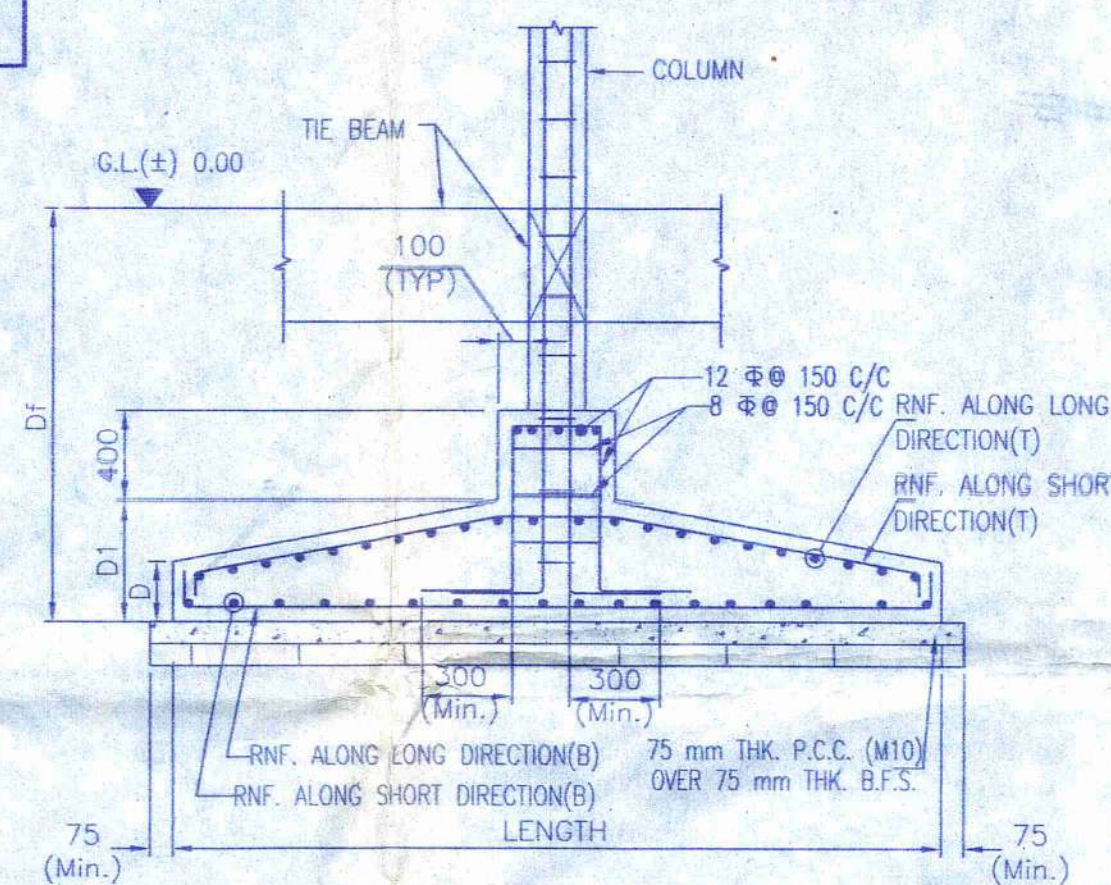
NET SAFE BEARING CAPACITIES CONSIDERED FOR FOUNDATION		
TYPE OF FOUNDATION	SIZE	NET SAFE BEARING CAPACITY (T/M ²)
ISOLATED	2,300m. x 2,000m.	14.5
	2,350m. x 2,350m.	14.3
RAFT	2,500m. x 2,500m.	14.2
	AS SHOWN	9.00

SPECIAL NOTE:-
THIS DESIGN WILL NOT BE VALID IF THIS BEARING CAPACITIES ARE NOT ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER.

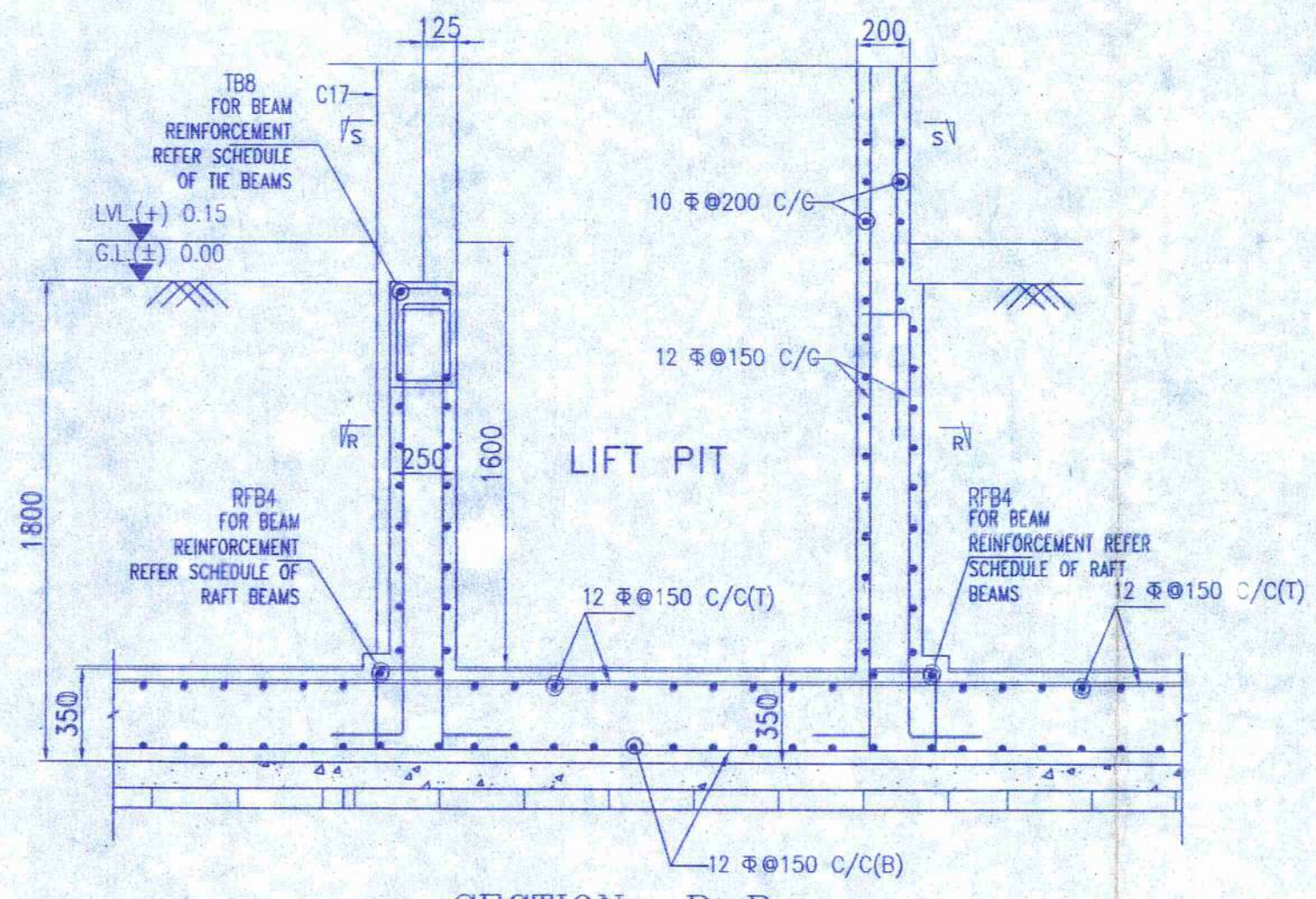
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	350	12 Φ 150 C/C	12 Φ 150 C/C	12 Φ 150 C/C	12 Φ 150 C/C



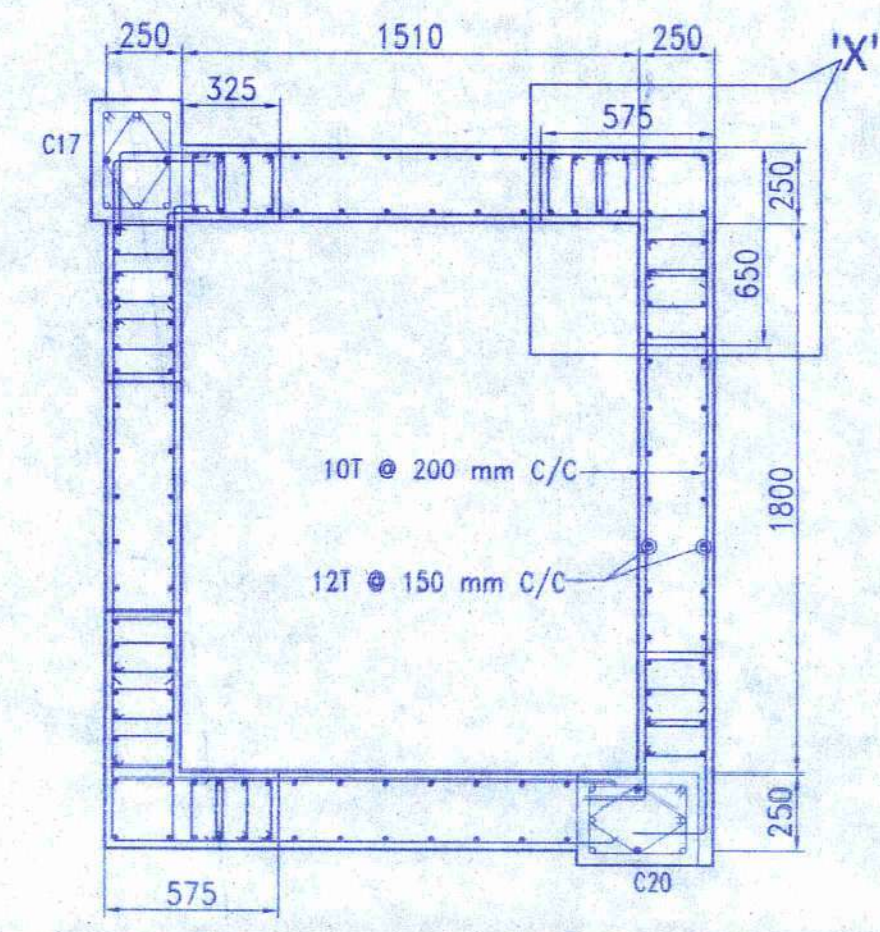
TYPICAL DETAILS OF ISOLATED FOUNDATION



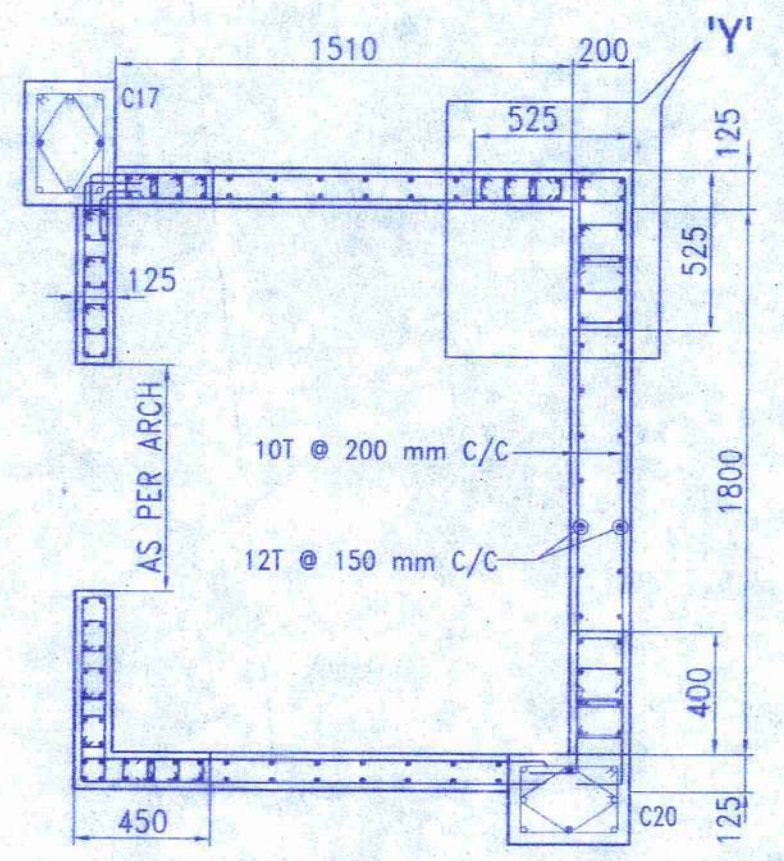
SECTION - A-A
SCALE N.T.S.



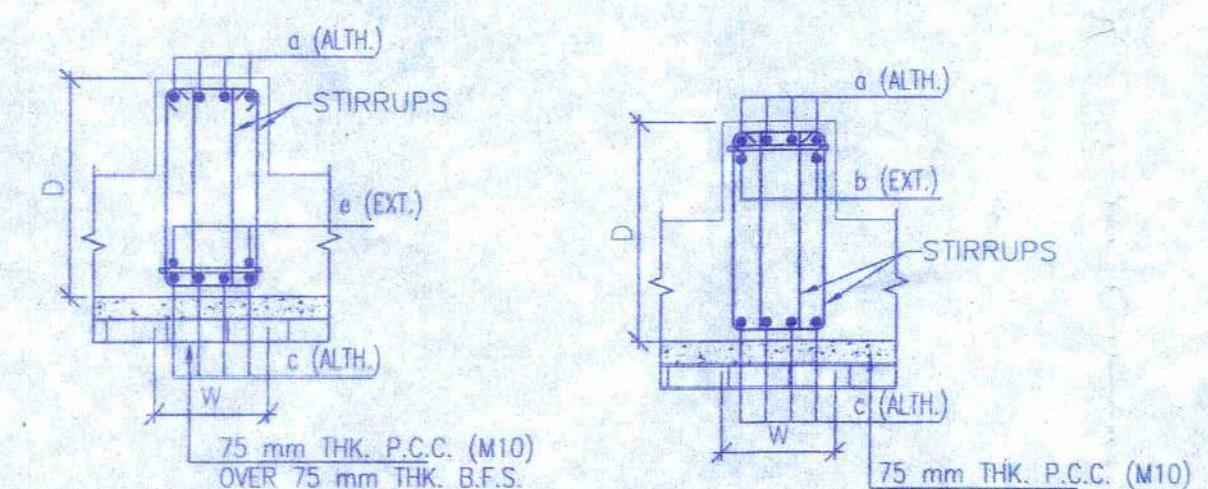
SECTION - B-B
SCALE- 1:25



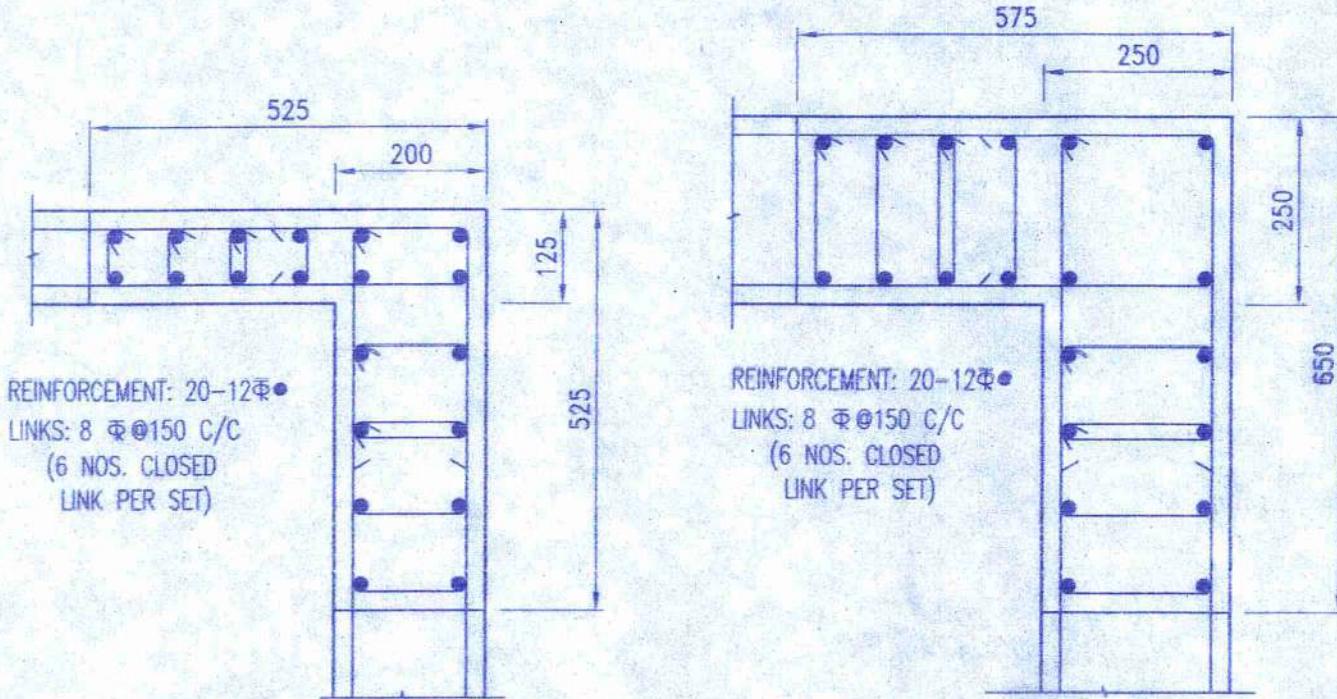
LIFT WALL PLAN AT BASE LEVEL
SECTION (R-R)
SCALE 1:25



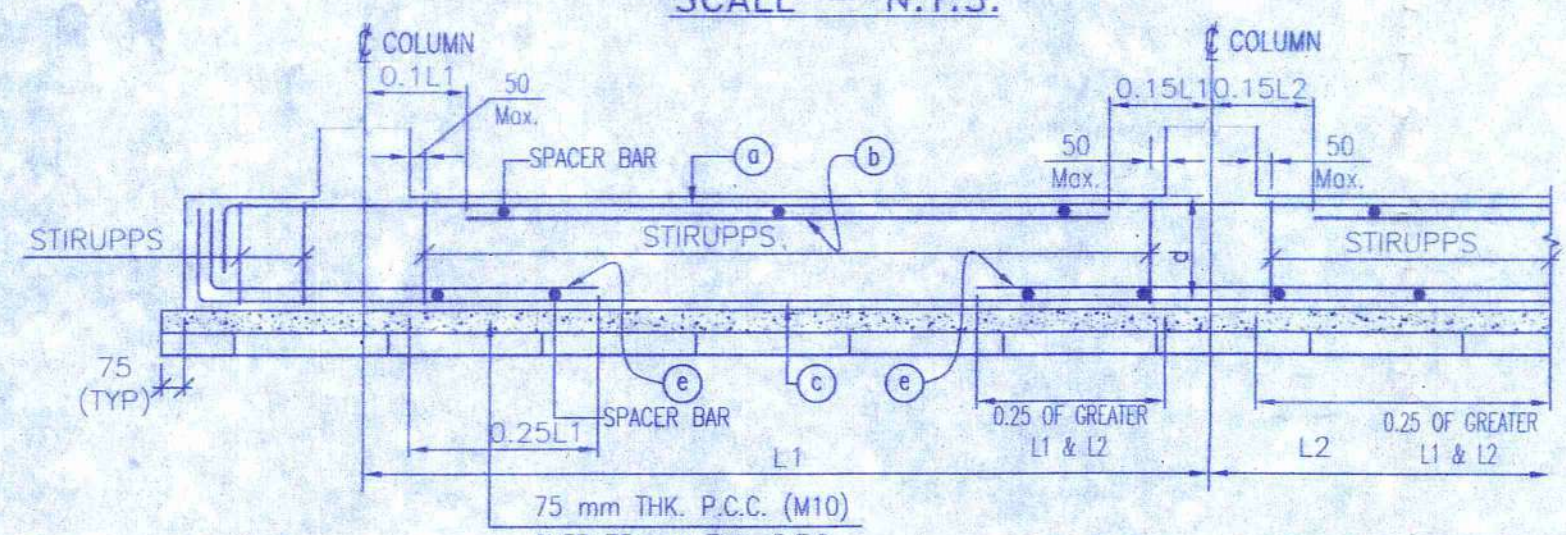
LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE 1:25



AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF FOUNDATION BEAM
SCALE - N.T.S.



DETAIL "X" N.T.S. DETAIL "Y" N.T.S.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM
(AS PER SP 34-1987)

IMPORTANT NOTE:
THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

- NOTES :
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS, AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
 - ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
 - ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
 - ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
 - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
I) ISOLATED FOUNDATION : 50 mm
II) RAFT BEAM & SLAB : 50 mm
III) SHEAR WALL : 20 mm
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
 - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP 34:1987.
 - THE NET SAFE BEARING CAPACITIES FOR ALL ISOLATED FOOTINGS AT DEPTH (-)1.2m. FROM G.L. HAS BEEN CONSIDERED AS MENTIONED IN DRAWING IN TUNE WITH THE SOIL REPORT PREPARED BY MR. ASIM SARKAR.
 - THE NET SAFE BEARING CAPACITIES FOR RAFT FOUNDATION AT DEPTH (-)1.8m. FROM G.L. HAS BEEN CONSIDERED 9.0T/SM IN TUNE WITH THE SOIL REPORT PREPARED BY MR. ASIM SARKAR.
 - THE ABOVE MENTIONED BEARING CAPACITIES MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
 - THE 'N' VALUE AS DESCRIBED UNDER NOTES OF TABLE-1 OF IS-1893 (PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

SPECIAL NOTE:-
THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.

TITLE
STRUCTURAL DRAWING OF PROPOSED FOUR & ONE EXTRA FLOOR OF (G+3+1) FIVE STORIED RESIDENTIAL APARTMENT OF LAND OWNER:-1.) SRI SANJIT KUMAR SINGH,2)MRINMOY KR. PAL,3.)SUVAMOY SANTRA OVER R.S PLOT NO:- 763(P), L.R PLOT:- 1875, L.R KHATIAN NO:- 6223,6229&6221 J.L. NO - 56, OF MOUZA - KURURIA, P.S.- DURGAPUR, DIST. - BURDWAN PASCHIM UNDER D.M.C
*HOLDING NO:- 307/N
*CIRCLE / WARD NO:-11
*I.D NO:- 3309402867335
*STREET NO:-SABUJNAGAR, DGP-03

SIGNATURE OF OWNER
Sanjit Kumar Singh
Suvamoy Santra
Mrinmoy Kumar Pal.

SIGNATURE OF CONSULTANT/ARCHITECT
Jai Chatterjee
AR. JAI CHATTERJEE, D.Engg
Registration No. CA205/145/052
Ph: 9434649399, 7658993411
4/13, Suhatta Commercial Complex,
City Centre, Durgapur - 713216

SIGNATURE OF GEOTECHNICAL ENGINEER
Asim Sarkar
ASIM SARKAR
BCE,ME(SOIL)MIGS,MIE
EMPANELED GEOTECHNICAL ENGINEER
MNC No. 101/CLASS-02

SIGNATURE OF STRUCTURAL ENGINEER
Susmita Choudhury
SUSMITA CHOUDHURY
B.TECH(CIVIL)-WBUT
ME (CONSTRUCTION)-JU
ESE-1/REG/ISSN/130
ESE-11/KMC/664
STER/NKDA/21/00010
COVER/NKDA/10/00175
(M)-8697517321/17003201735

SIGNATURE OF THE VETTING AUTHORITY

DRAWING TITLE
FOUNDATION LAYOUT & REINFORCEMENT DETAILS.
SCALE-1:100 OR AS SHOWN
DATE- 10.09.2022
SHEET NO. - 1 OF 4 SHEET SIZE - A1