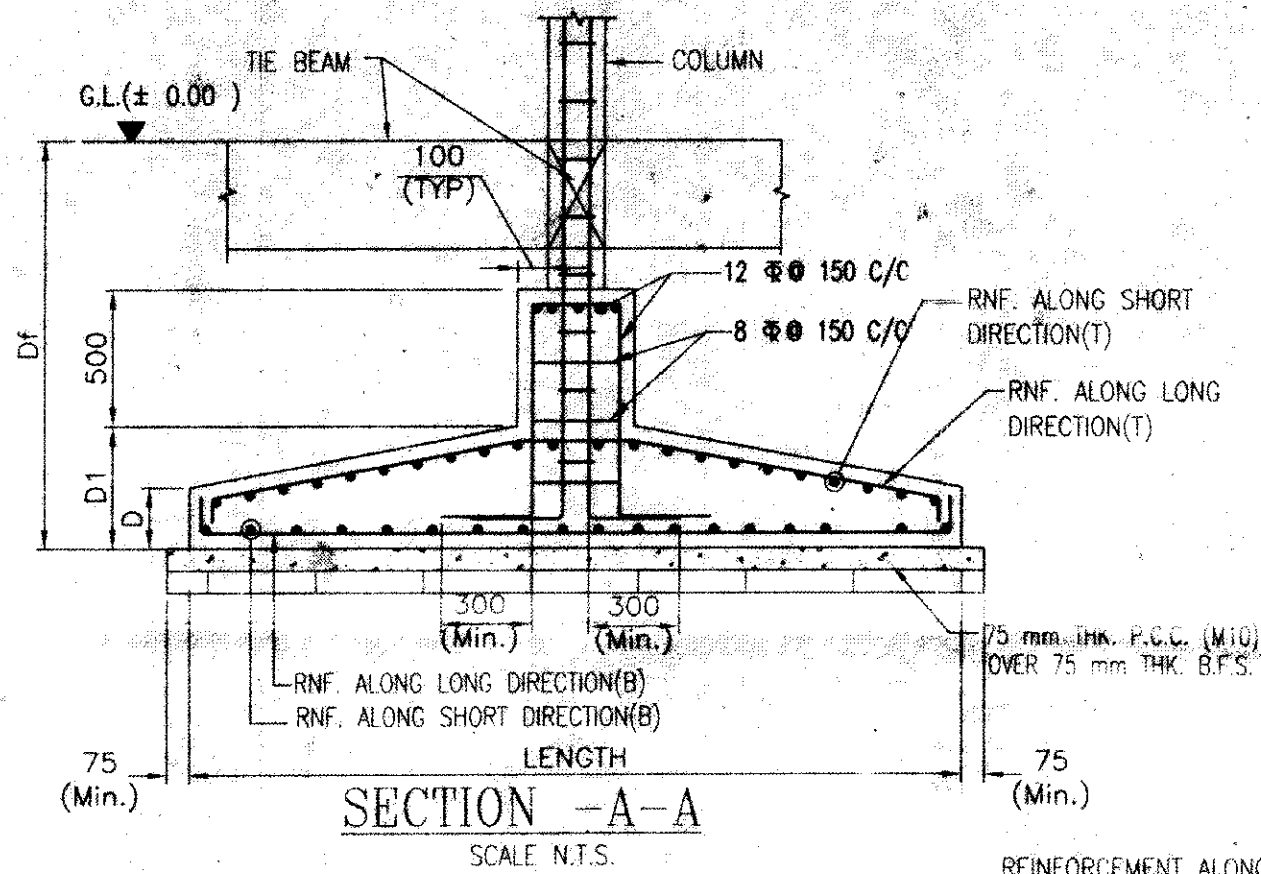


FOUNDATION LAYOUT PLAN  
SCALE - 1:100

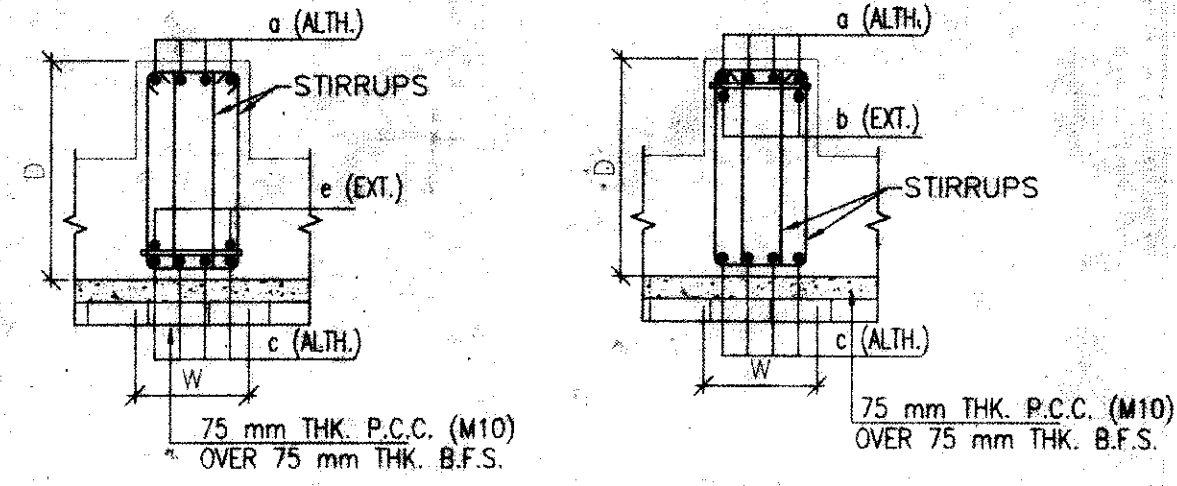
UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS					
			LENGTH (m)	WIDTH (m)	THICKNESS		DEPTH		BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
					D1 (mm)	D (mm)	Df (mm)	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	
C1,C16	F1	02	2.25	2.25	450	200	1500	16 # 200 C/C	16 # 200 C/C	-	-	
C6,C9,C11	F2	03	2.35	2.35	450	200	1500	16 # 200 C/C	16 # 200 C/C	-	-	
C4,C10,C14,C19	F3	04	2.6	2.6	500	250	1500	16 # 200 C/C	16 # 200 C/C	8 # 250 C/C	8 # 250 C/C	
C8	F4	01	3.3	2.3	500	300	1500	16 # 200 C/C	16 # 100 C/C	8 # 250 C/C	8 # 250 C/C	
C7,C12	F5	02	3.3	2.5	550	300	1500	16 # 200 C/C	16 # 100 C/C	8 # 250 C/C	8 # 250 C/C	
C2,C3,C17,C18	F6	04	3.2	3.2	550	300	1500	16 # 175 C/C	16 # 175 C/C	8 # 250 C/C	8 # 250 C/C	
C5,C15,C20	F7	03	3.0	3.0	550	300	1500	16 # 175 C/C	16 # 175 C/C	8 # 250 C/C	8 # 250 C/C	

SLAB MKD	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
		RFS	400	16 # 200 C/C	16 # 200 C/C

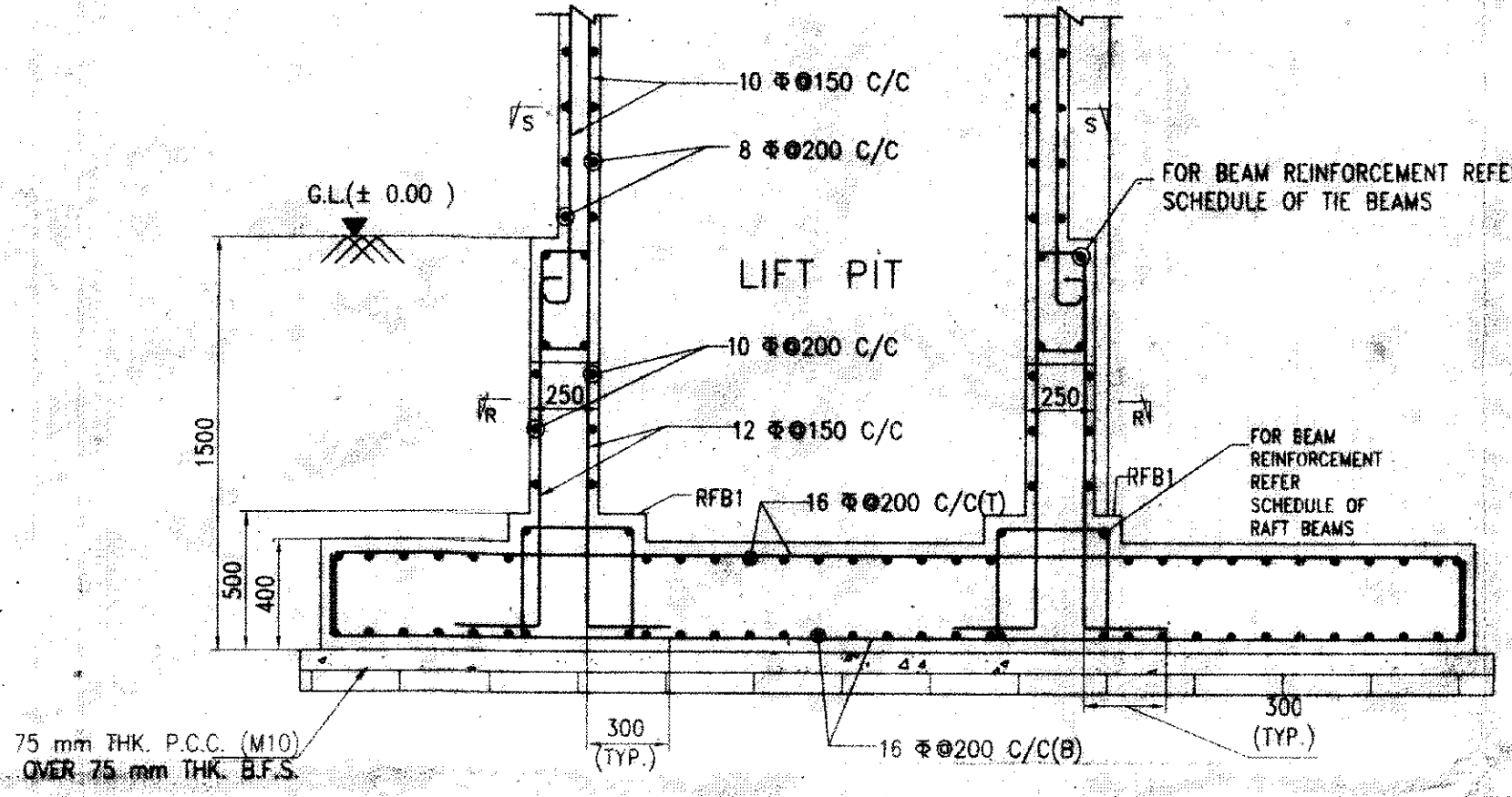
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH	EXTRA AT SPAN	ALTHROUGH	EXTRA AT SUPPORT	
	RFB1	500	500	5-16 #	-	5-20 #	



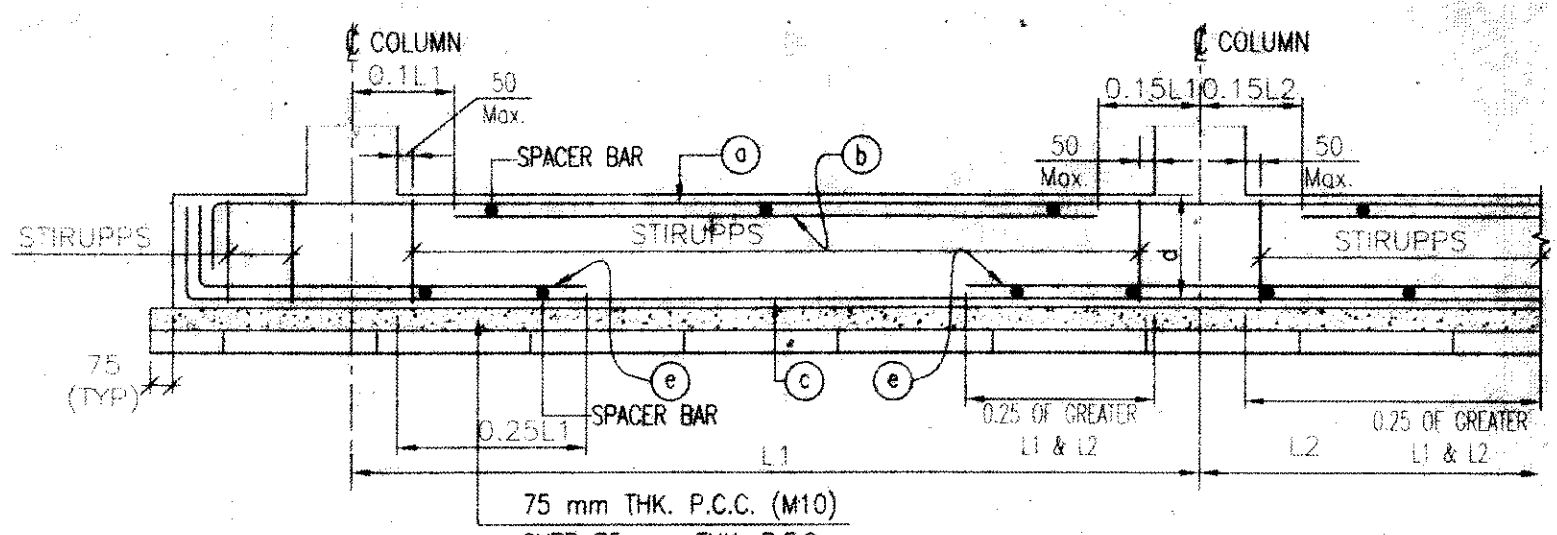
SECTION -A-A  
SCALE N.T.S.



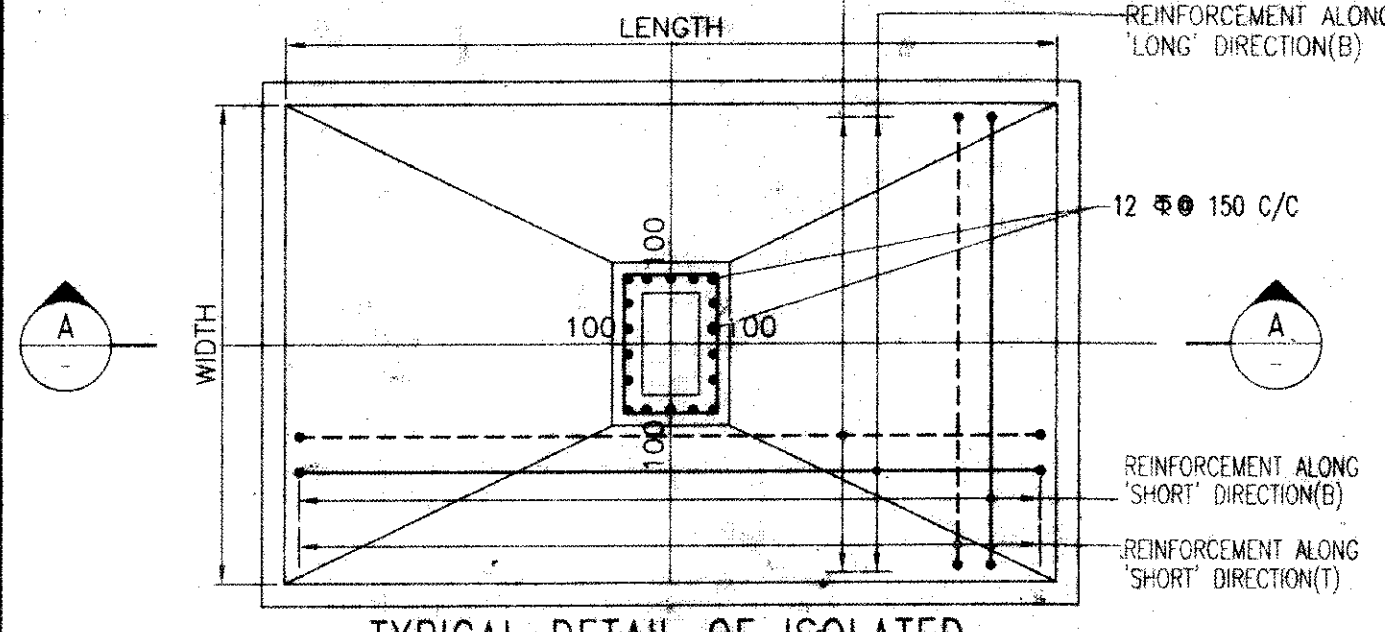
TYPICAL CROSS SECTION OF FOUNDATION BEAM  
SCALE - N.T.S.



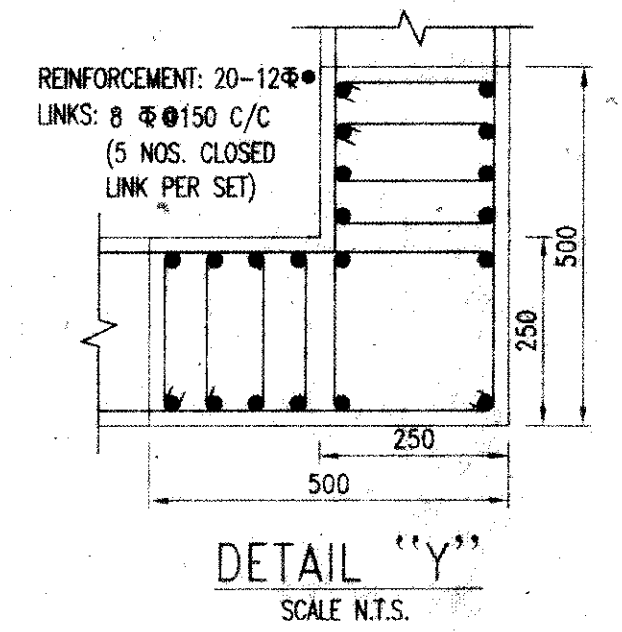
SECTION -A-A  
SCALE - 1:25



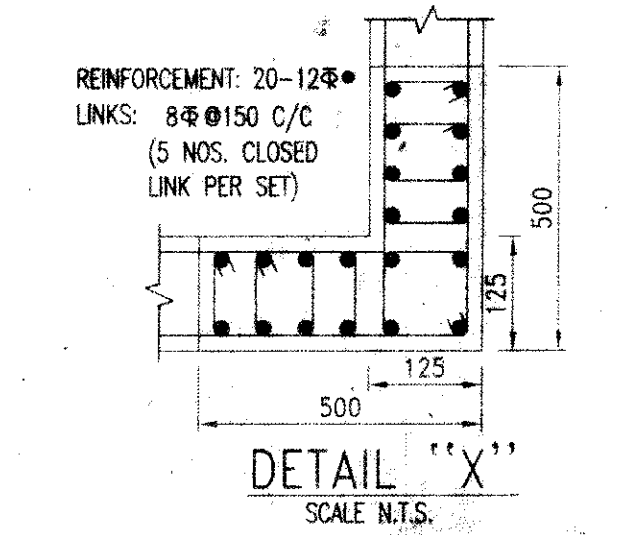
TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM  
(AS PER SP 34-1987)



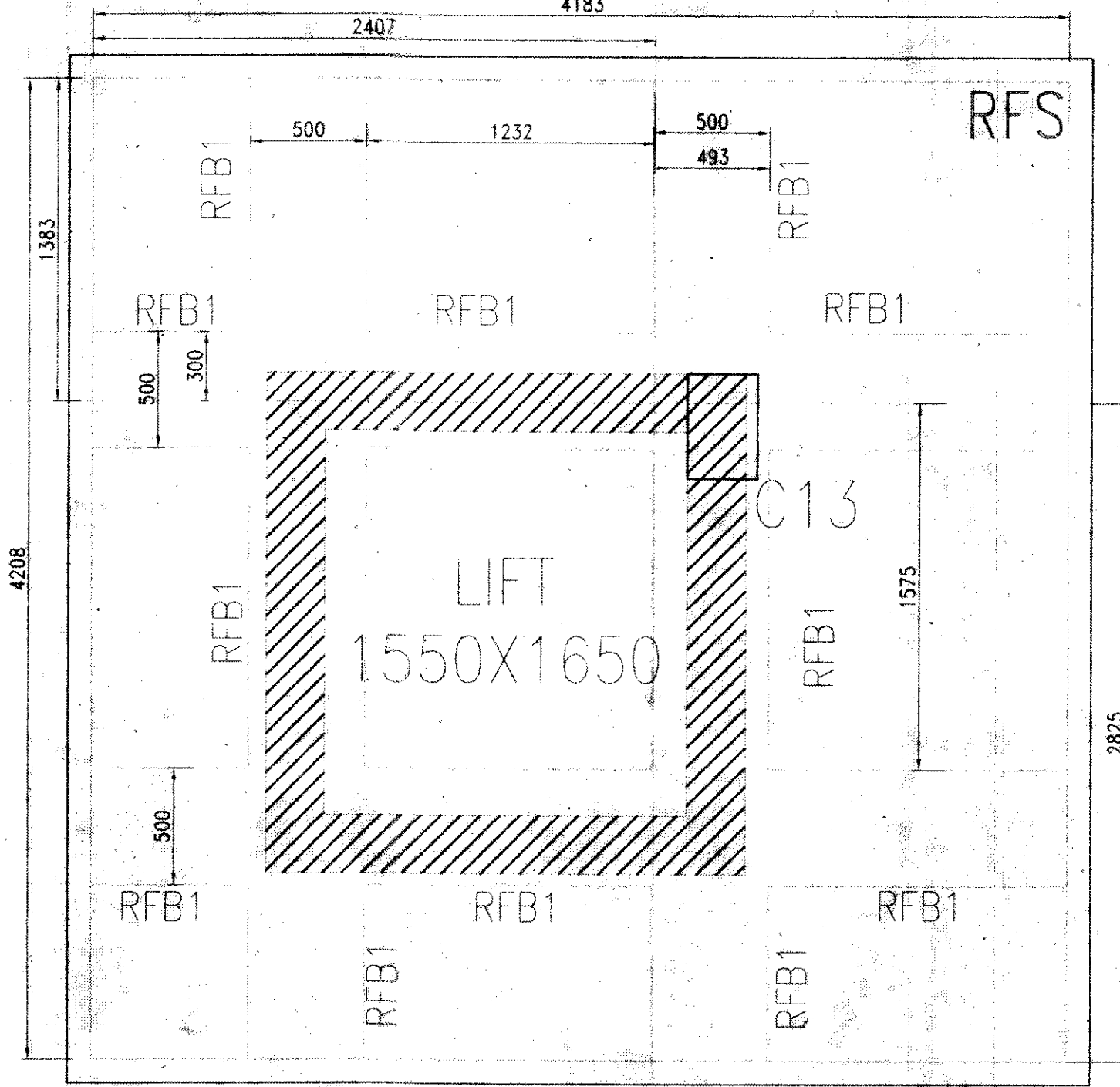
TYPICAL DETAIL OF ISOLATED FOUNDATION  
SCALE N.T.S.



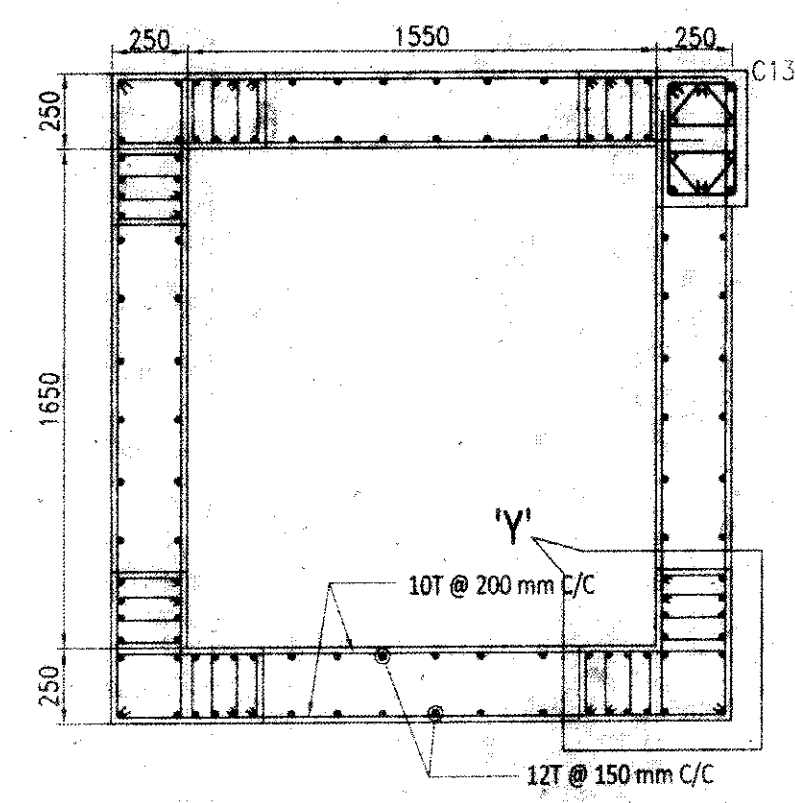
DETAIL 'Y'  
SCALE N.T.S.



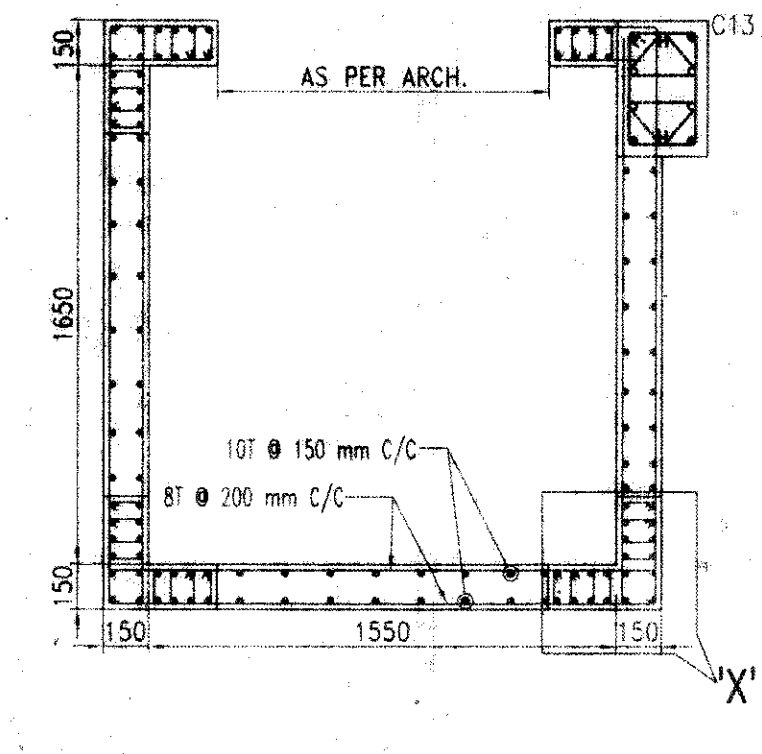
DETAIL 'X'  
SCALE N.T.S.



DETAIL OF RAFT SLAB (RFS)  
SCALE 1:50



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



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

**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.

- 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) RAFT BEAM & SLAB : 50 mm  
II) ISOLATED FOUNDATION : 50 mm  
III) PEDESTAL : 40 mm
  - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
  - DEVELOPMENT LENGTH 90XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
  - THE NET SAFE BEARING CAPACITIES FOR ALL ISOLATED FOOTINGS AT DEPTH (-)1.5m. FROM G.L. HAVE BEEN CONSIDERED AS PER SOIL REPORT PREPARED BY MR. ASIM SARKAR (ASSOCIATED FOUNDATION ENGINEERS)
  - THE NET SAFE BEARING CAPACITY FOR RAFT FOOTING (4.183m x 4.208m) AT DEPTH (-)1.5m. FROM G.L. HAS BEEN CONSIDERED 10.5 T/SGM.
  - THE ABOVE MENTIONED BEARING CAPACITIES MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DESIGN AND 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.

**TITLE**  
PROPOSED STRUCTURAL DRAWING OF G+4 STORED COMMERCIAL CUM APARTMENT (RESIDENTIAL) BUILDING OF SHREE BUILDERS OVER R.S. PLOT NO. - 1596 (PART), MOUZA- ARRAH, J.L. NO.- 91, P.S.- KANKSA, DIST. -PASHCHIM BARDHAMAN.  
LAND OWNERS -  
1. SUKUMAR CHOWDHURY (KH.NO-4822)  
2. PRASENJIT KUNDU (KH.NO-4803)  
3. SANATAN JANA (KH.NO-4782)  
4. MADHUMITA MONDAL (KH.NO-4811)

**CERTIFICATE OF ARCHITECT/ENGINEER**  
I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT.

*Signature*  
VIJAYA SINGH MAZUMDER  
Consulting Architect  
DMC Registered (EMD/CP/1801)  
LIC NO. - DMC/CP/08  
9832602166, 9478426106

**SIGNATURE OF GEOTECHNICAL ENGINEER**  
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

**SIGNATURE OF STRUCTURAL ENGINEER**  
*Signature*  
SOURADIP DUTTA  
B.TECH (WBUT)  
CIVIL ENGINEER, NKDA  
LICENCE NO. - OVER/NKDA/10/00174

**SIGNATURE OF PANCHAYAT PRADHAN**  
APPROVAL vide memo no. DE/PSB/19/98 dt-26/12/19 of District Engineer of Paschim Bardhaman Zilla Parishad.  
*Signature*  
APPROVED  
Pradhan  
Malandighi Gram Panchayat

**SIGNATURE OF VETTING AUTHORITY**  
CHECKED & VETTED  
DR. DIPANKAR CHAKRABARTY  
STRUCTURAL & CIVIL ENGINEER  
PROFESSOR & SENIOR LECTURER  
JADAVPUR UNIVERSITY, KOLKATA  
M.E. (CIVIL) GOLD MEDALIST  
M.E. (CIVIL) DIPLOMA IN ARCHITECTURE  
M.TECH (CIVIL)  
CPRE, IIT KGP  
CITY: KOLKATA-700016  
MOB: 9830189802 & 9830983143  
EMAIL: cpce@iitkgp.ac.in

**CERTIFICATE OF OWNER**  
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.  
*Signature*  
Madhumita Mondal Sanatan Jana

**DRAWING TITLE**  
FOUNDATION LAYOUT PLAN & REINFORCEMENT SCHEDULE.  
SCALE-1:100 OR AS SHOWN  
DATE- 01.10.2019  
SHEET NO. -1 OF 3