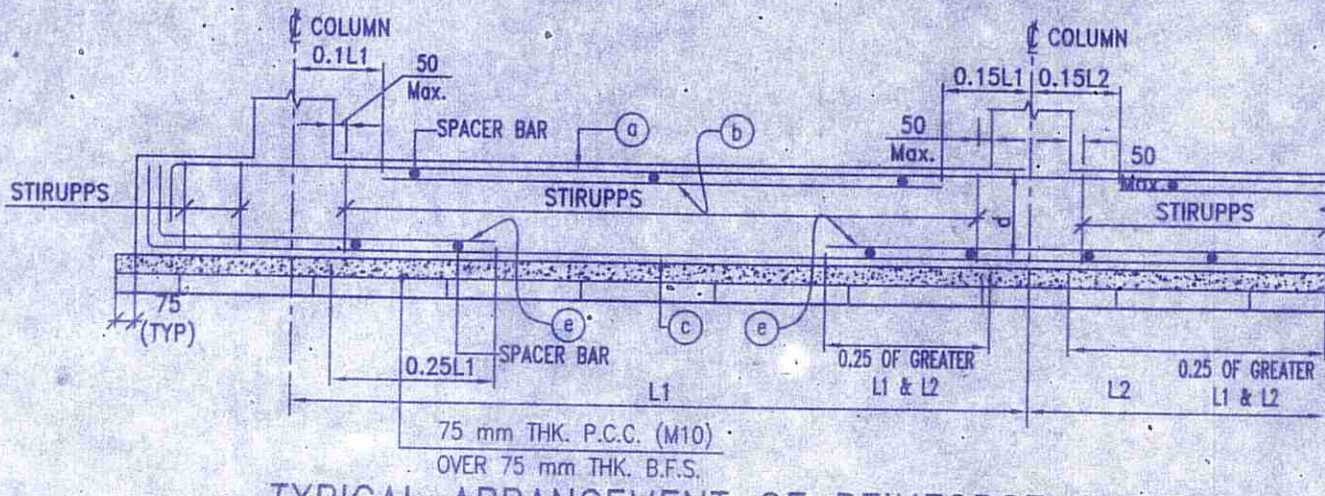


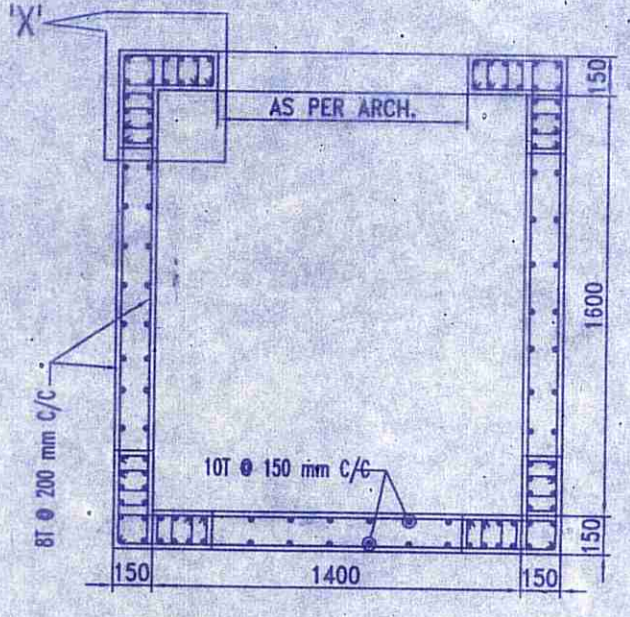
FOUNDATION LAYOUT PLAN
(RAFT SLAB 500 mm THICK)
SCALE-1:100

SLAB MKD	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	500	16 ϕ 125 C/C	16 ϕ 125 C/C	16 ϕ 125 C/C	16 ϕ 125 C/C

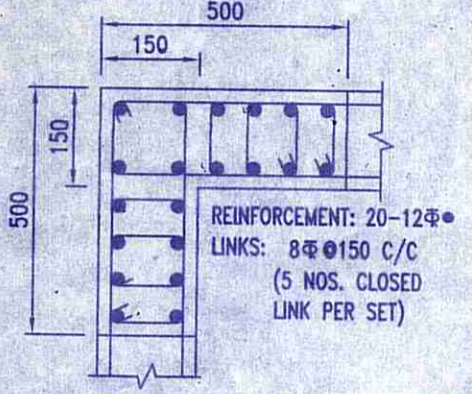
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH (a)	EXTRA AT SPAN (b)	ALTHROUGH (c)	EXTRA AT SUPPORT (e)	
RFB1	450	700	4-20 ϕ +2-20 ϕ	-	4-20 ϕ +2-20 ϕ	-	4L-10 ϕ 200 C/C
RFB2	650	700	8-20 ϕ	-	8-20 ϕ	-	6L-10 ϕ 200 C/C
RFB3	700	700	8-20 ϕ	-	8-20 ϕ	-	6L-10 ϕ 200 C/C
RFB4	850	700	8-20 ϕ	-	8-20 ϕ	-	6L-10 ϕ 200 C/C
RFB5	900	700	8-20 ϕ	-	8-20 ϕ	-	6L-10 ϕ 200 C/C



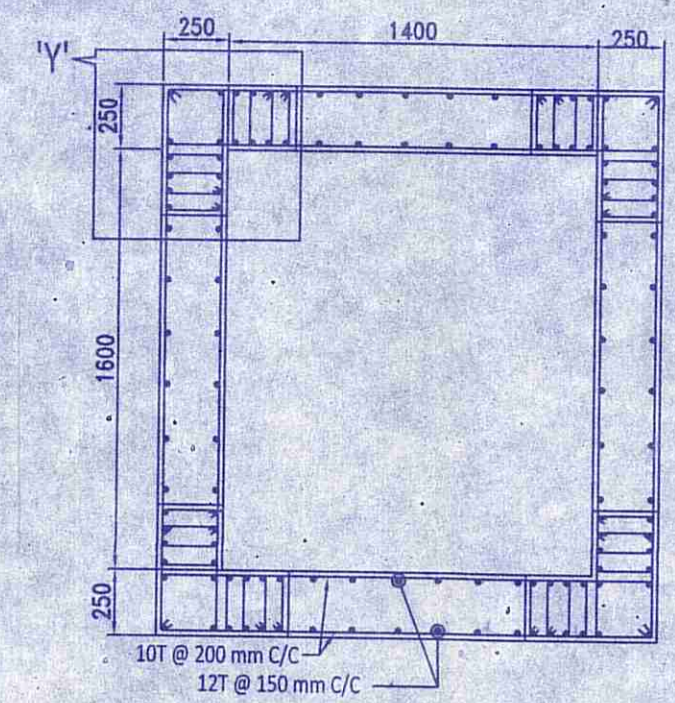
TYPICAL ARRANGEMENT OF REINFORCEMENT IN
FOUNDATION BEAM
(AS PER SP 34-1987)



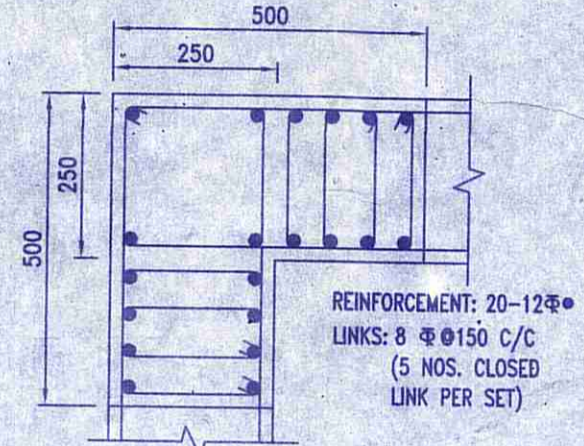
LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE 1:25



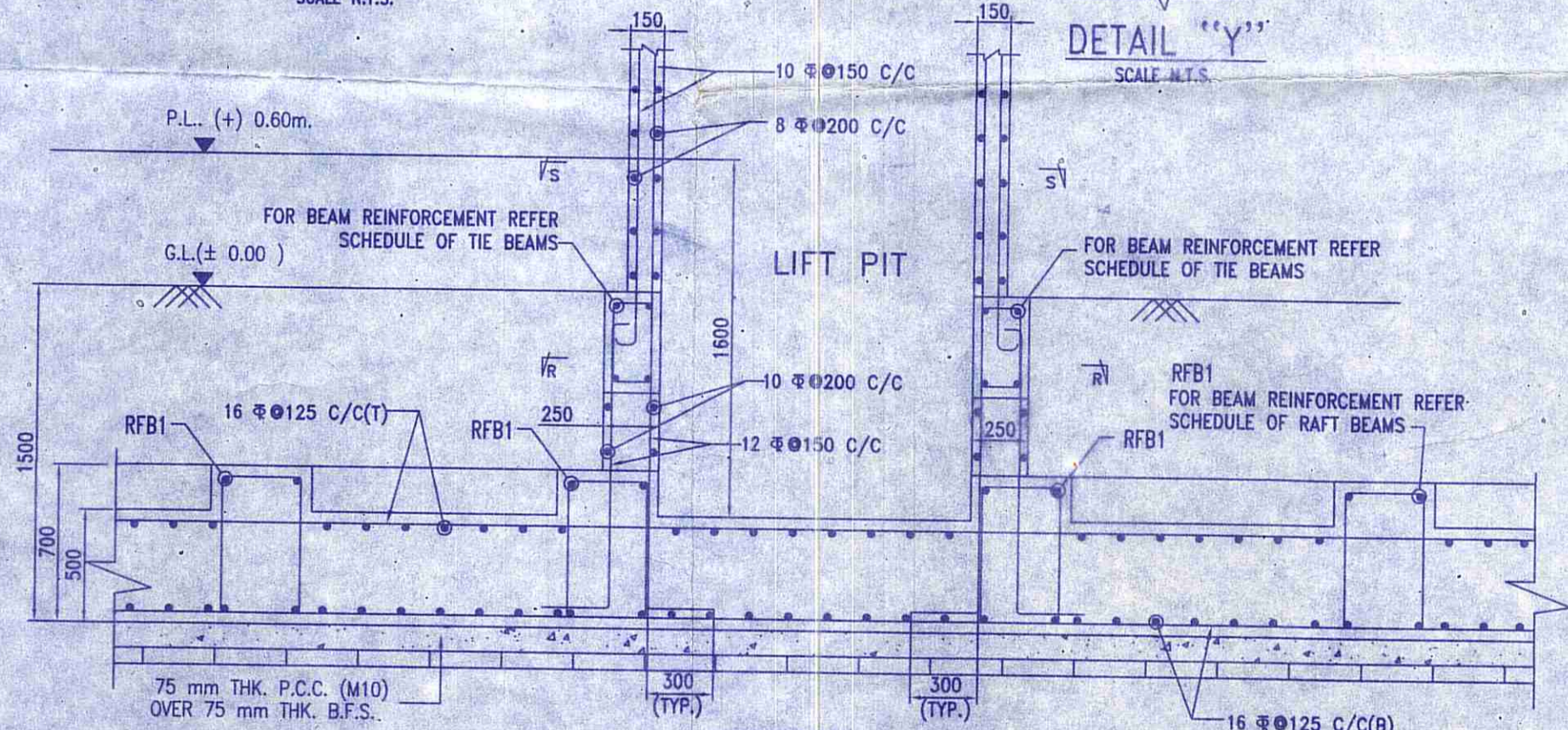
DETAIL "X"
SCALE N.T.S.



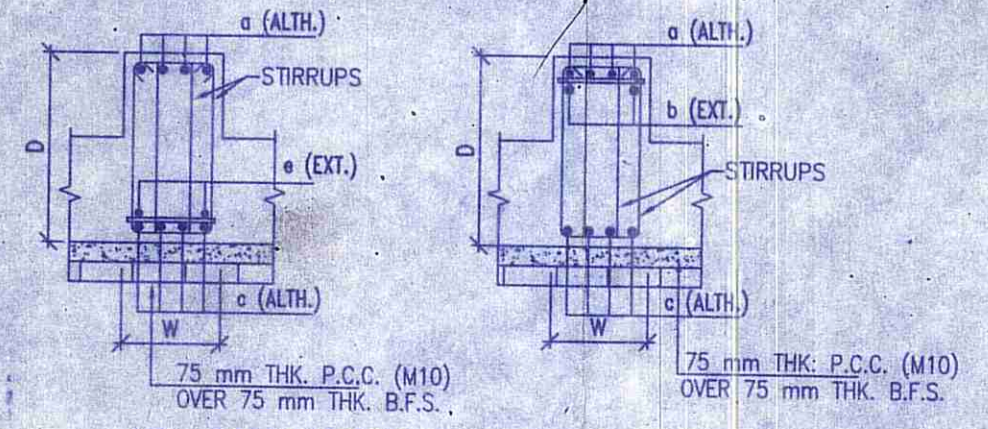
LIFT WALL PLAN AT BASE LEVEL
SECTION (R-R)
SCALE 1:25



DETAIL "Y"
SCALE N.T.S.



SECTION -A-A
SCALE- 1:25



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

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:
1) RAFT BEAM & SLAB : 50 mm
- GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS:456:2000.
- DEVELOPMENT LENGTH 60XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
- THE NET SAFE BEARING CAPACITY OF THE RAFT SHOWN IN THE DRAWING AT DEPTH (-)1.5m. FROM G.L. HAVE BEEN CONSIDERED 12T/SQM ON THE BASIS OF SOIL REPORT PREPARED BY GEOTECH CONSULTANCY. THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL 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 NOTES:
THIS STRUCTURAL DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 250 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALLS

TITLE
STRUCTURAL DRAWINGS OF PROPOSED G+6 STORIED APARTMENT (RESIDENTIAL) BUILDING BY THE NAME OF "BASUNDHARA RESIDENCY" DEVELOPED BY BASUNDHARA CONSTRUCTION OVER R.S. PLOT NO. - 43 / 67, L.R. PLOT NO. - 194, R.S. KHATIAN NO.- 67, L.R. KHATIAN NO.- 1995, 1996, 1997, UNDER JEMUA GRAM PANCHAYAT, MOUZA - TETIKHOLA, J.L. NO- 111, P.S. - NEWTOWNSHIP, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT

VIJAYA SINGH
DMC REGISTERED
LIC NO. - DMC/BPD/60

SIGNATURE OF STRUCTURAL ENGINEER

Dona Chatterjee
DONA CHATTERJEE
Structural Consultant
B. E. Civil (First class) J U
M. E. Structures (First class) J U
ESE-II (K. M. C), Licence No. ESE/11/18

SIGNATURE OF VETTING AUTHORITY

CHECKED & VERIFIED
DR. DIPANKAR CHAKRAVARTY
STRUCTURAL ENGINEERING DIVISION
PROFESSOR & HEAD CIVIL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
B. E. (J. U.) GOLD MEDALIST
M. TECH (IIT KGP) GOLD MEDALIST
P.H.D (IIT KGP)
(OFF) 033-2457-2569
(M) 9830184502 & 9833993143
EMAIL : prof.dipankar@gmail.com

SIGNATURE OF PANCHAYAT PRADHAN

Approved Plan No. 24...un Meeting
No. 21/2021-22...Date. 12/05/2021
Valid upto. 29/09/2023
Mallika Lohar
Pradhan 20/09/21
Jemua Gram Panchaya

DRAWING DETAILS

FOUNDATION LAYOUT PLAN AND REINFORCEMENT DETAILS

SCALE-1:100 OR AS SHOWN

DATE- 06.08.2020

SHEET 1 OF 3

