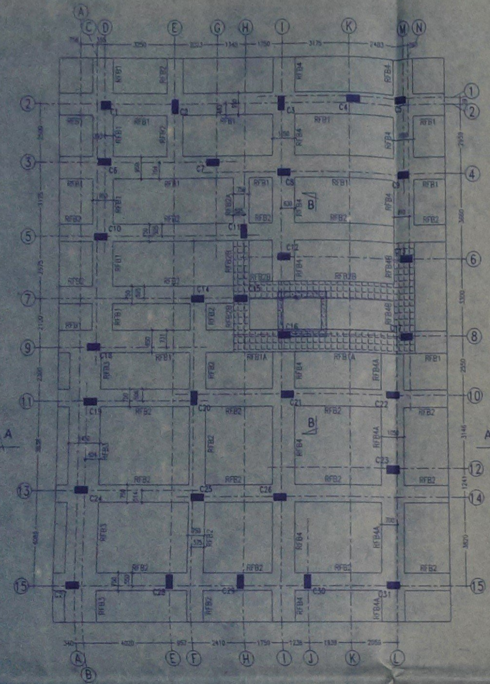
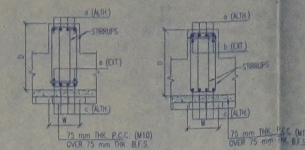


SCHEDULE OF RAFT SLAB

SLAB MKD	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS1	500	16 Φ@ 125 C/C	16 Φ@ 125 C/C	16 Φ@ 125 C/C	16 Φ@ 125 C/C

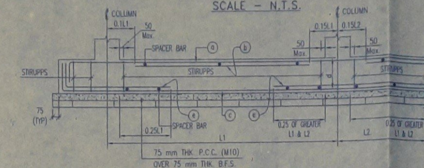
SCHEDULE OF RAFT BEAMS

BEAM MARKED	BEAM SIZE		TOP REINORCEMENT		BOTTOM REINORCEMENT		STIRRUPS
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH (a)	EXTRA AT SPAN (b)	ALTHROUGH (c)	EXTRA AT SUPPORT (e)	
RFB1	950	700	9-25 Φ	9-20 Φ	9-25 Φ	9-20 Φ	6L-10 Φ@150 C/C
RFB1A	950	900	9-25 Φ	-	9-25 Φ	-	6L-10 Φ@150 C/C
RFB2	750	700	7-25 Φ	7-20 Φ	7-25 Φ	7-25 Φ	4L-10 Φ@100 C/C
RFB2A	750	700	7-16 Φ	-	7-16 Φ	-	4L-10 Φ@200 C/C
RFB2B	750	900	7-20 Φ	-	7-20 Φ	-	4L-10 Φ@200 C/C
RFB3	1450	700	11-16 Φ	-	11-20 Φ	6-16 Φ	6L-10 Φ@200 C/C
RFB4	1050	700	9-20 Φ	-	9-25 Φ	9-25 Φ	6L-10 Φ@150 C/C
RFB4A	1050	700	9-25 Φ	9-25 Φ	9-25 Φ	9-25 Φ	6L-10 Φ@150 C/C
RFB4A	1050	900	9-25 Φ	-	9-25 Φ	-	6L-10 Φ@150 C/C



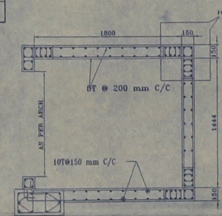
TYPICAL CROSS SECTION OF FOUNDATION BEAM

SCALE - N.T.S.



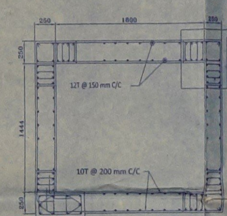
TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM

(AS PER SP 34-1987)



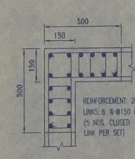
LIFT WALL PLAN AT FLOOR LEVEL

SECTION (S-S)



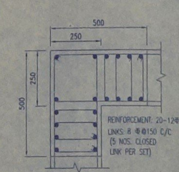
LIFT WALL PLAN AT BASE LEVEL

SECTION (R-R)



DETAIL "Y"

SCALE N.T.S.



DETAIL "X"

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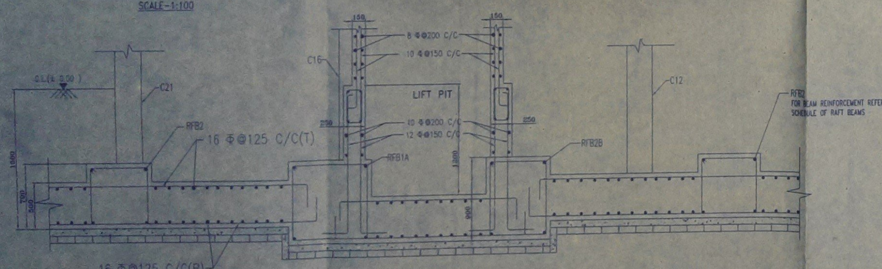
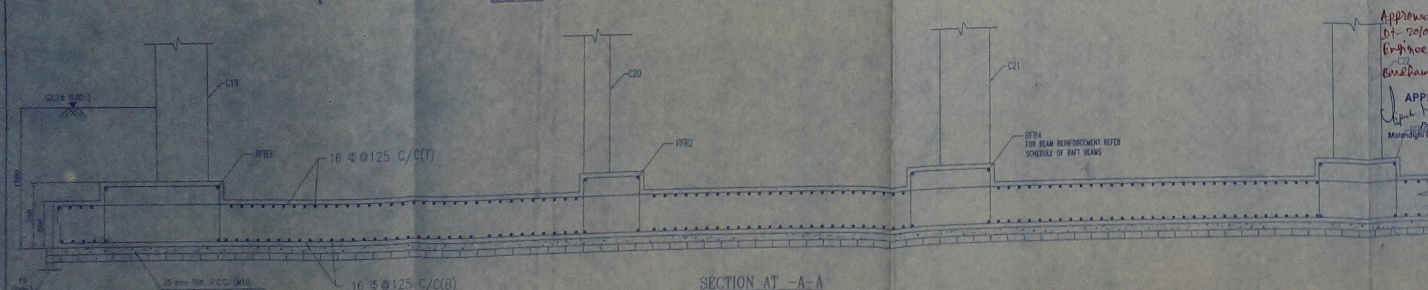


SECTION AT -B-B

SCALE- 1:25



SECTION AT -A-A

SCALE- 1:25

NOTES:-

1. UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
2. 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).
3. ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
4. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
5. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
6. ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
7. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
8. UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
9. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
   i)RAFT BEAM & SLAB : 50 mm
10. GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
11. DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
12. THE NET SAFE BEARING CAPACITY OF THE RAFT SHOWN IN THE DRAWING AT DEPTH (-)1.5m. FROM G.L. HAS BEEN CONSIDERED 10.5 T/SQM ON THE BASIS OF SOIL REPORT PREPARED BY ASSOCIATED FOUNDATION ENGINEERS (Mr. ASIM SARKAR). THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
16. 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 SEVEN (G+6) STORIED RESIDENTIAL APARTMENT OF SUBHO LAXMI REAL ESTATE, PLOT DETAILS /ADDRESS ;R.S. PLOT NO.-1596(PART),L.R.PLOT NO.-1970,1971, KHATIAN NO.-4778,4779,4780,4781,4839 ,J.L. NO.-91, MOUZA-ARRAH,P.S.-KANKSA,DIST.- PASCHIM BURDWAN.

CERTIFICATE OF ARCHITECT/ENGINEER

ANIRBAN BHATTACHARYA
B.ARCH
CA/2014/62790

JUI CHATTERJEE

SIGNATURE OF GEOTECHNICAL ENGINEER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SOUMYADIP DUTTA
B.TECH (WBUT)
CIVIL ENGINEER, NKDA
LICENCE NO.- CVER/NKDA/10/00176

13/3/2020

SIGNATURE OF THE VETTING AUTHORITY

Approved vide memo no - DB/PSB21/121 Dt- 20/01/2021 by District Engineer of Paschim Bardhaman Zilla Parishad.

CHECKED & VETTED
DR. DIPANKAR CHAKRAVORTY

APPROVED
Pradhan
Malandighi Gram Panchayat

CERTIFICATE OF OWNER

SHUBHO LAXMI REAL ESTATE
Partner

DRAWING TITLE

COLUMN LAYOUT PLAN & REINFORCEMENT DETAILS, TIE BEAM LAYOUT PLAN & REINFORCEMENT DETAILS.

SCALE-1:100 OR AS SHOWN

DATE- 06.03.2020

SHEET NO. - 1 OF 3