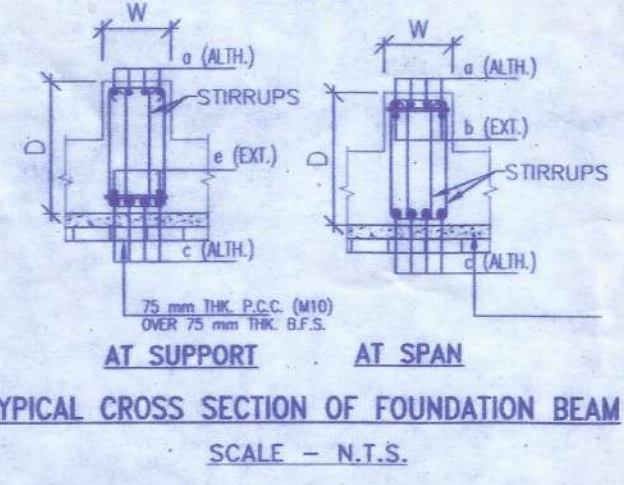
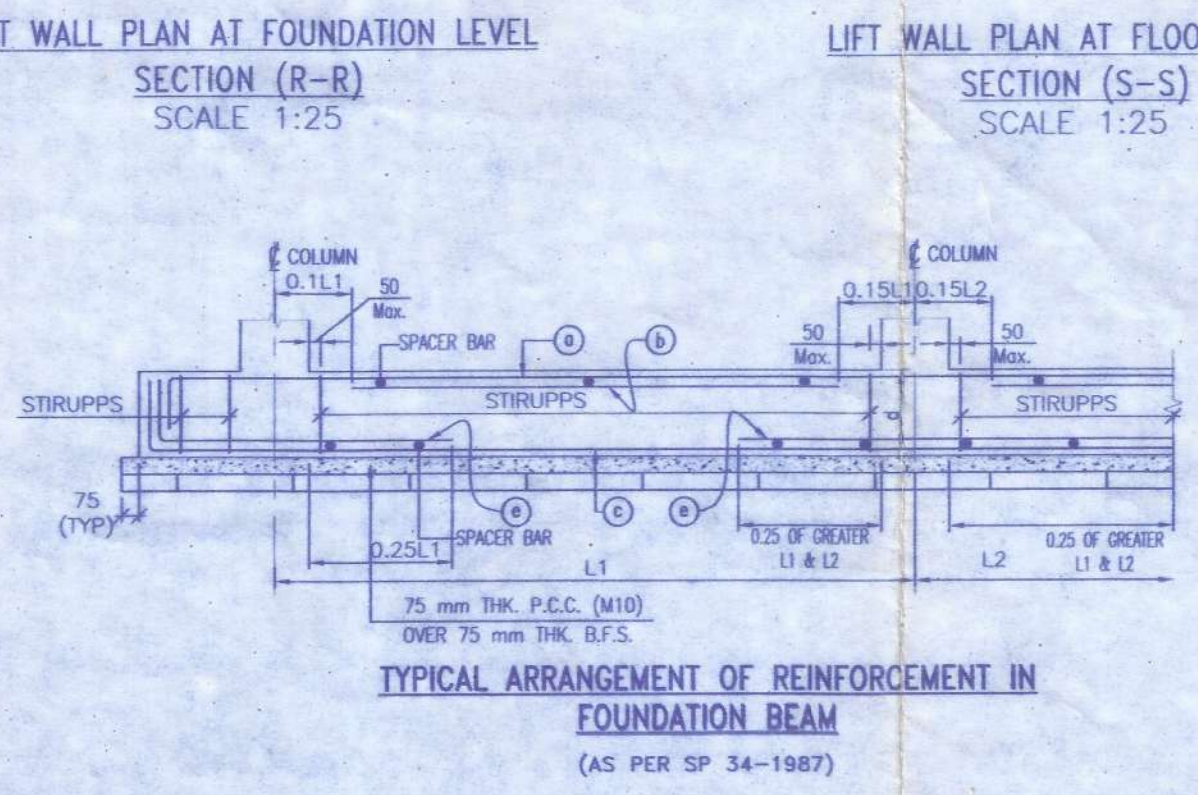
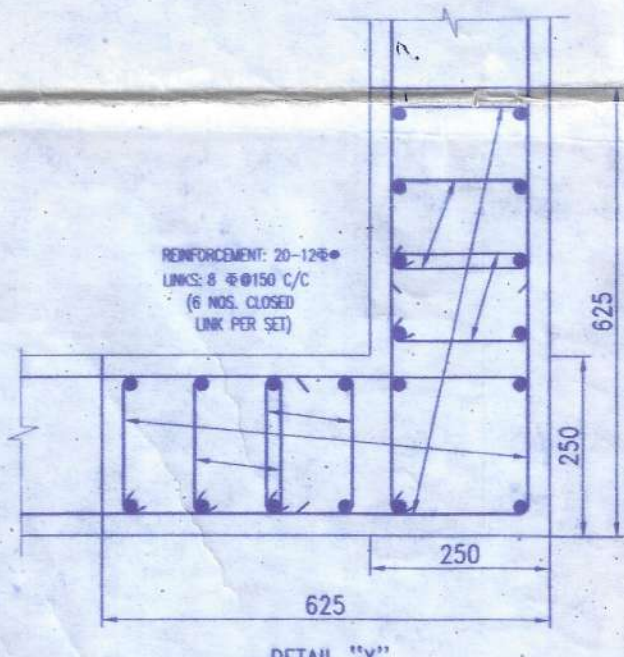
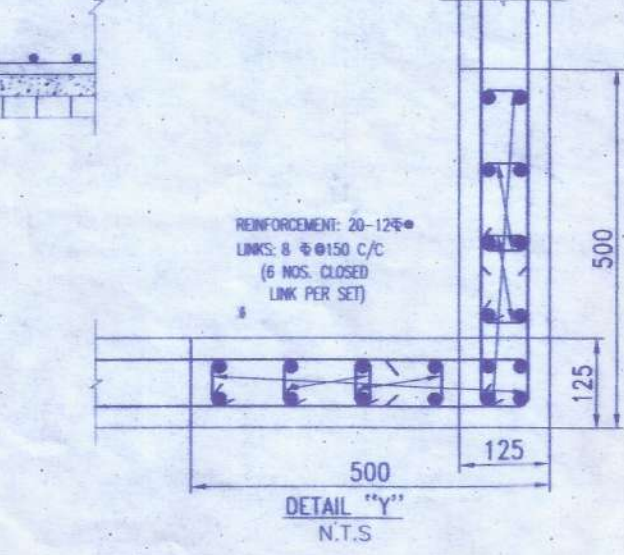
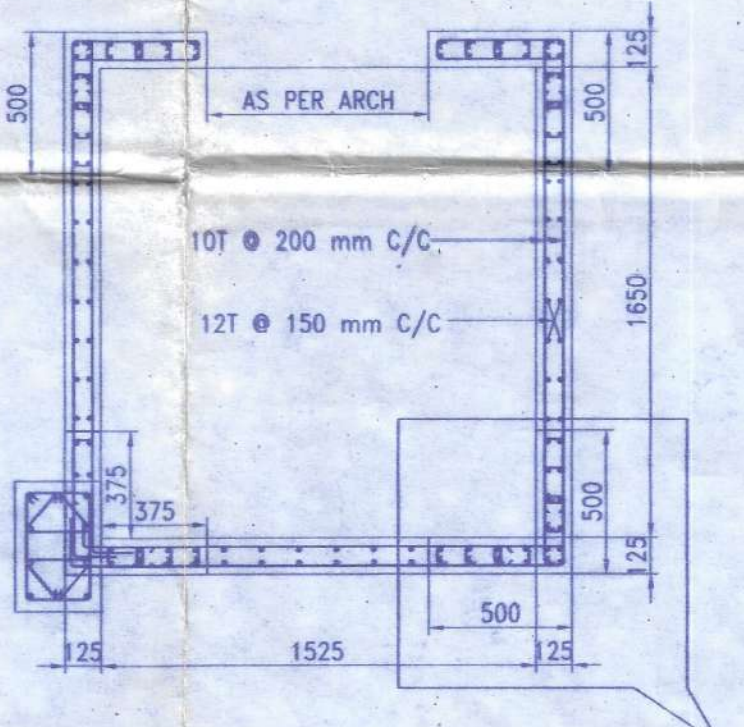
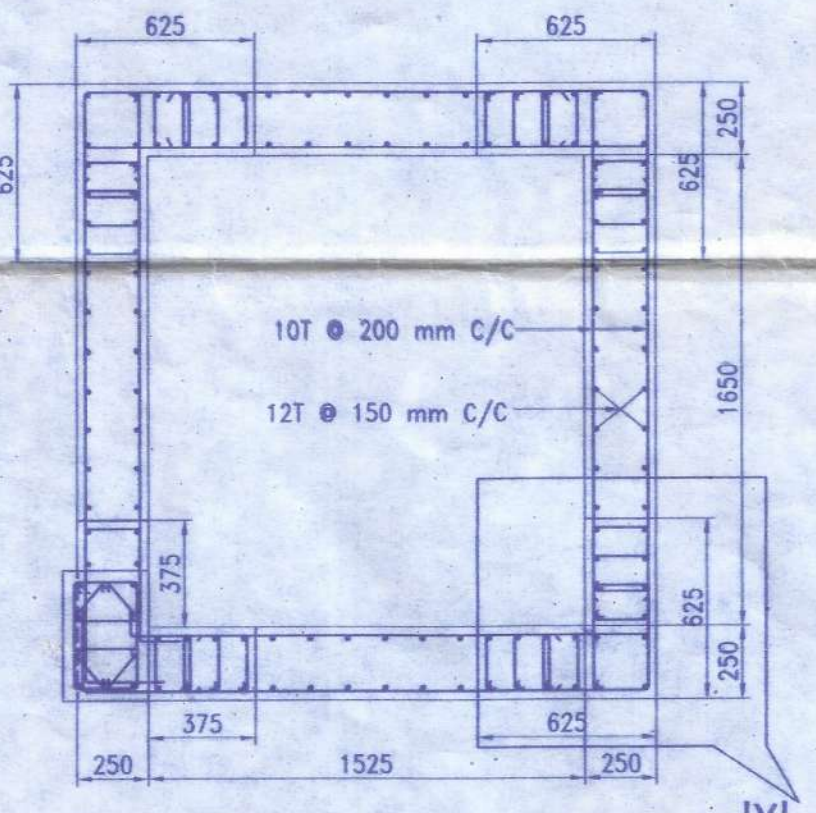
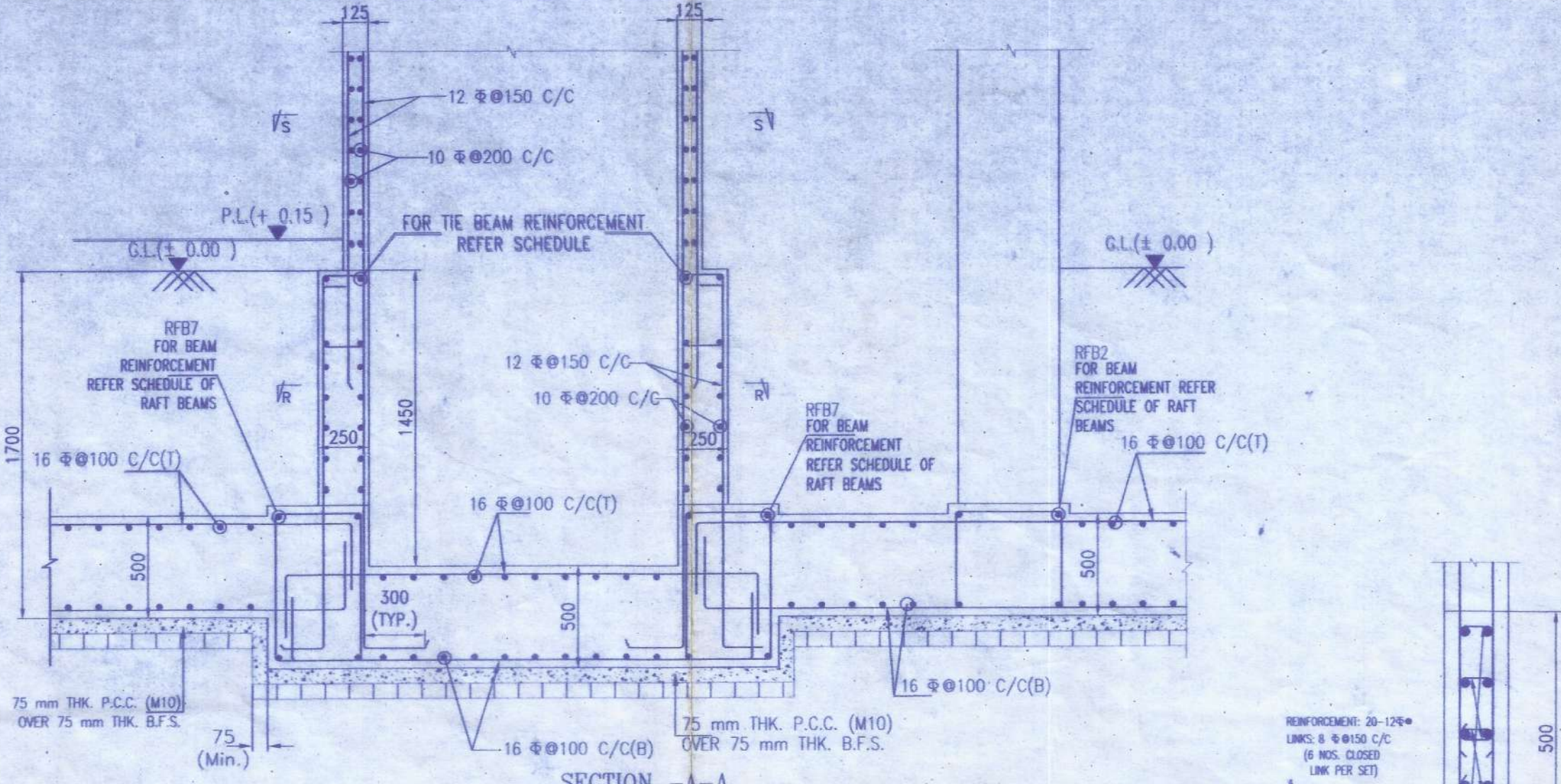
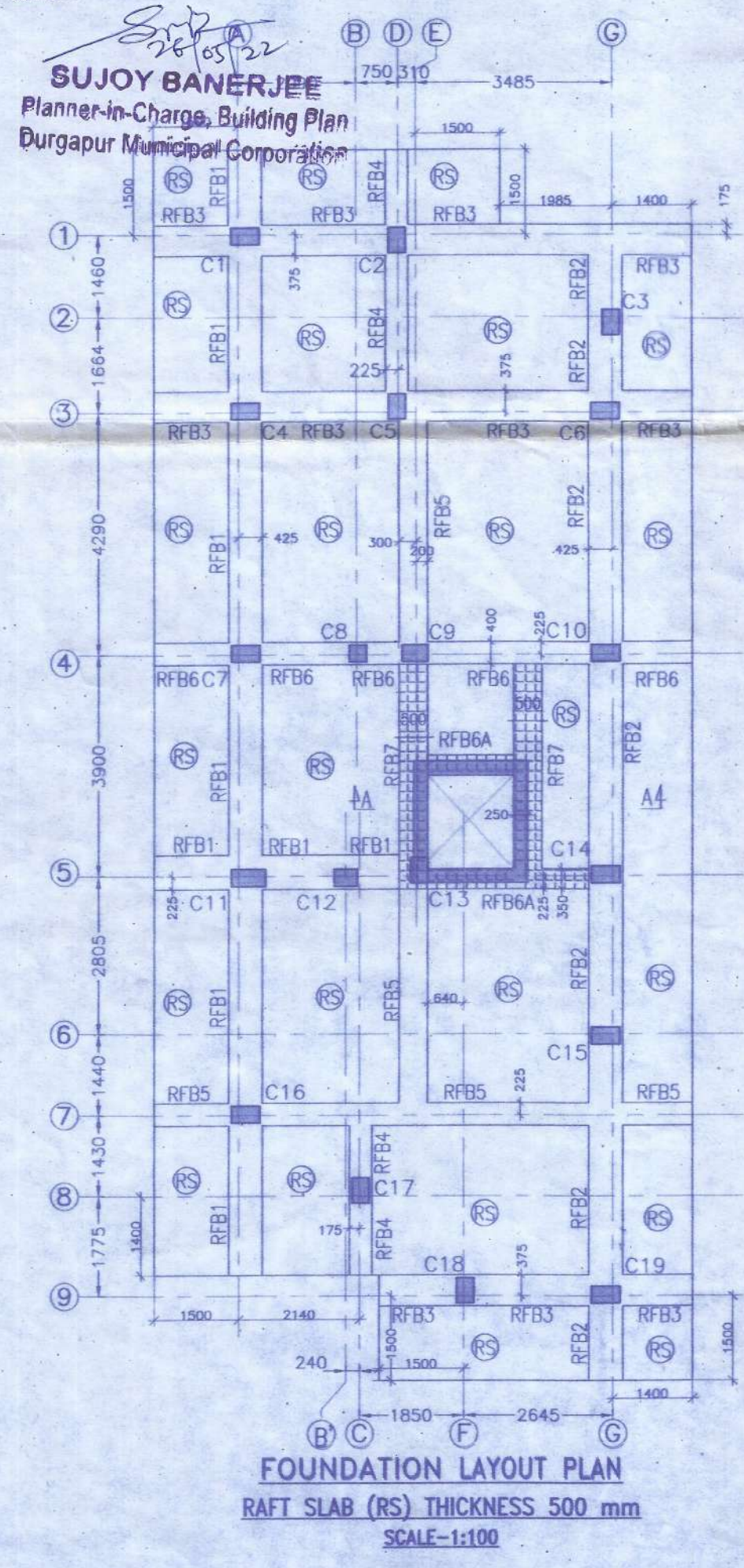


SCHEDULE OF RAFT BEAMS					
BEAM NO.	BEAM SIZE	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS	REMARKS
		ALTHROUGH	EXTRA AT SPN		
RFB1	600 x 550	6-16	-	4-8 @ 100 C/C	
RFB2	800 x 550	6-16	2-16	4-8 @ 100 C/C	
RFB3	550 x 550	3-16	-	4-8 @ 100 C/C	
RFB4	400 x 550	3-16	-	4-8 @ 200 C/C	
RFB5	550 x 550	4-16	-	4-8 @ 200 C/C	
RFB6	350 x 800	3-16	-	4-8 @ 200 C/C	
RFB7	550 x 550	4-16	-	4-8 @ 200 C/C	

SCHEDULE OF RAFT SLAB				
SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
	BOTTOM	TOP	BOTTOM	TOP
500	16 @ 100 C/C	16 @ 100 C/C	16 @ 100 C/C	16 @ 100 C/C



SPECIAL NOTES:

- 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.
- 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:
 (A) RAFT BEAM & SLAB : 50 mm
 (B) SHEAR WALL : 20 mm
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
 - DEVELOPMENT LENGTH 50D FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP 34:1987.
 - THE NET SAFE BEARING CAPACITIES FOR RAFT FOUNDATION AT DEPTH (-)1.7m FROM G.L. HAS BEEN CONSIDERED 12.0T/50M IN TUNE WITH THE SOIL REPORT PREPARED BY MR. SUVANKAR CHOWDHURI.
 - 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.

TITLE

STRUCTURAL DRAWING OF PROPOSED FIVE (G+4) & ONE EXTRA FLOOR OF SIX (G+4+1) STORIED RESIDENTIAL APARTMENT OF SRI INDROJIT BANERJEE, OVER R.S. PLOT NO - 1233(P), L.R. PLOT NO. - 6163, KHATIAN NO - 6726, J.L. NO - 107, OF MOUZA - FULJHORE, P.S.- NEW TOWNSHIP, DIST. - BURDWAN PASCHIM UNDER D.M.C HOLDING NUMBER:- 2/N, CIRCLE WARD NO:- C/26, ASSESSMENT NO:- 3309402749019, STREET- SAMPRITI PARK, DURGAPUR 713206

SIGNATURE OF OWNERS

Indrojit Banerjee

SIGNATURE OF ARCHITECT/ENGINEER

Jui Chatterjee

AR- JUI CHATTERJEE, B-ARCH
 Registration No : CA/2021/134352
 Ph : 9434649399, 7585893411
 4/13, Suhatta Commercial Complex,
 City Centre, Durgapur - 713216
 JUI CHATTERJEE
 (COA REG NO:- CA/2021/134352)

SIGNATURE OF GEOTECHNICAL ENGINEER

SUVANKAR CHAUDHURI
 B.C.E., M.I.G.S. L.B.S(I)
 STRUCTURAL ENGINEER
 CHARTERED ENGINEER
 GEOTECHNICAL CONSULTANT

SIGNATURE OF STRUCTURAL ENGINEER

S. Choudhury 12/1/22
SUSMITA CHOUDHURY
 B.TECH (CIVIL) - WBUT
 ME (CONSTRUCTION) - JU
 ESE-1/RJPSO/130
 ESE-II/KMC/664
 STER/NKDA/21/00010
 CVER/NKDA/10/00175
 (M)- 8697517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

CHECKED & VETTED

DR. DIPANKAR MAHARAJ
 STRUCTURAL ENGINEERING DIVISION
 PROFESSOR & FORMER HEAD
 CIVIL ENGINEERING DEPARTMENT
 JADAVPUR UNIVERSITY
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 M.TECH (ITKGP) GOLD MEDALIST
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 (OFF) 033-2457 2589
 (M) 990189502 & 9433693143
 EMAIL : Prof.dipankar@gmail.com

DRAWING TITLE

FOUNDATION LAYOUT PLAN AND REINFORCEMENT DETAILS

SCALE-1:100 OR AS SHOWN
 DATE- 12.01.2022
 SHEET 1 OF 3