



RAFT BEAM AND SLAB LAYOUT PLAN
RS MARKED SLABS ARE 700mm. THICK.
RS REFERS TO RAFT SLAB.
SCALE-1:100

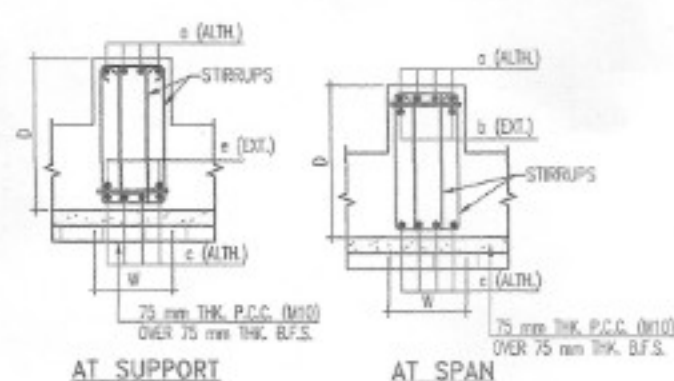
SCHEDULE OF RAFT SLAB			
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG BOTH DIRECTION	
		BOTTOM	TOP
R5	700	20 Φ 100 C/C	20 Φ 100 C/C

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	SIDE FACE
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHOUGH (a)	EXTRA AT SPAN (b)	ALTHOUGH (c)	EXTRA AT SUPPORT (e)		
RFB1	400	1550	4-16 Φ +4-16 Φ	—	4-16 Φ +4-16 Φ	—	4L-8 Φ 200 C/C	12 Φ 10 C/C
RFB2	500	750	5-16 Φ	2-16 Φ	5-16 Φ	2-16 Φ	4L-10 Φ 100 C/C	—
RFB3	500	750	5-16 Φ	—	5-16 Φ	2-16 Φ	4L-8 Φ 150 C/C	—
RFB3A	500	1550	3-16 Φ +5-16 Φ	—	3-16 Φ +5-16 Φ	—	4L-8 Φ 150 C/C	12 Φ 10 C/C
RFB4	800	750	6-16 Φ	—	6-16 Φ	—	4L-8 Φ 200 C/C	—
RFB5	800	750	6-16 Φ	2-16 Φ	6-16 Φ	2-16 Φ	4L-8 Φ 150 C/C	—
RFB6	800	750	8-16 Φ +2-16 Φ	—	8-16 Φ +2-16 Φ	—	4L-10 Φ 100 C/C	—
RFB7	800	750	8-16 Φ	—	8-16 Φ	—	4L-8 Φ 100 C/C	—
RFB8	800	750	8-16 Φ	—	8-16 Φ	—	4L-8 Φ 200 C/C	—
RFB8A	800	1550	8-16 Φ +6-16 Φ	—	8-16 Φ +6-16 Φ	—	4L-8 Φ 200 C/C	12 Φ 150 C/C
RFB9	800	750	8-16 Φ +2-16 Φ	—	8-16 Φ +2-16 Φ	4-16 Φ	4L-10 Φ 100 C/C	—
RFB10	800	750	8-16 Φ	—	8-16 Φ	—	4L-8 Φ 200 C/C	—

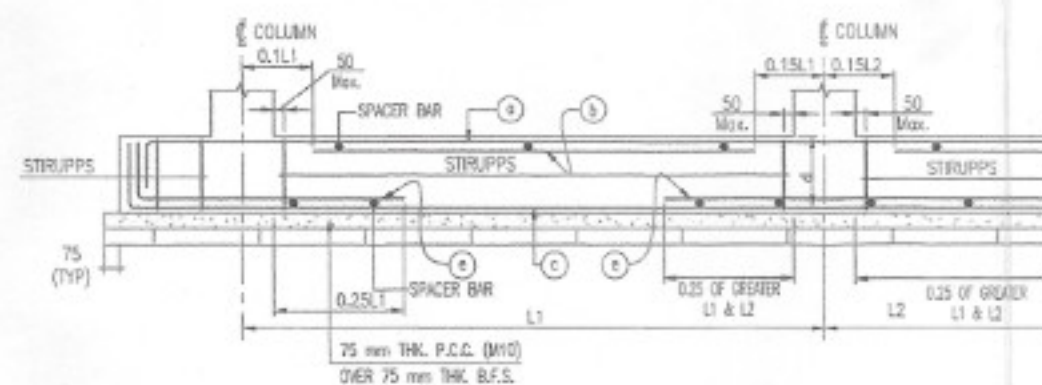
SPECIAL NOTES:-

1. 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.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

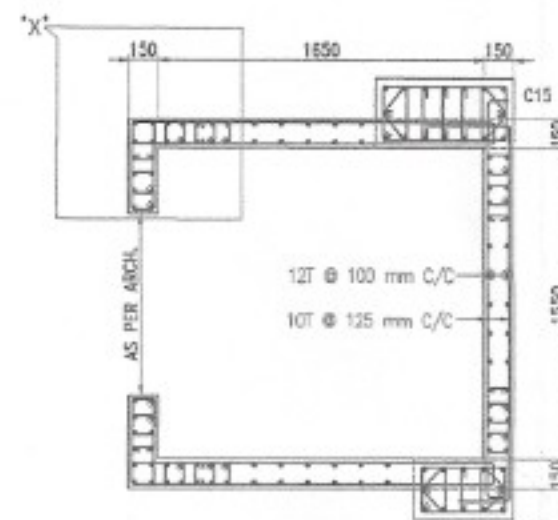
COLUMN NO. C11 IS NOT USED



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



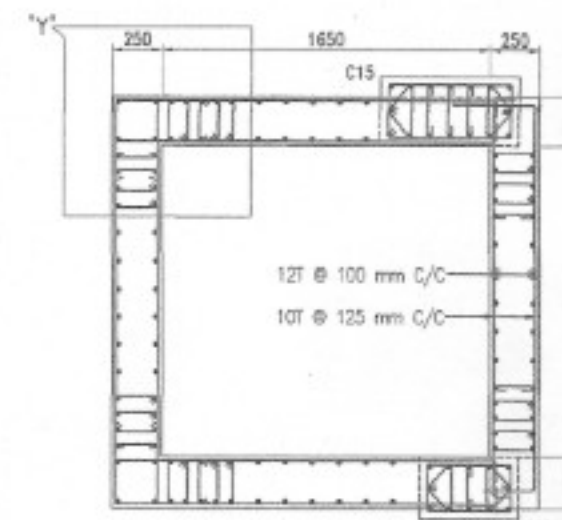
TYPICAL ARRANGEMENT OF REINFORCEMENT IN
FOUNDATION BEAM
(AS PER SP 34-1987)
SCALE - N.T.S.



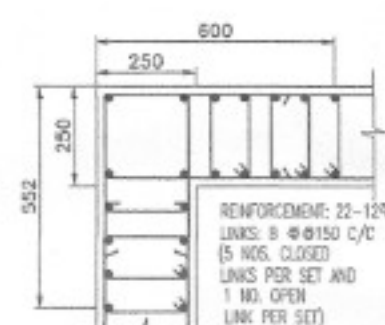
LIFT WALL PLAN AT FLOOR
LEVEL SECTION (S-S)



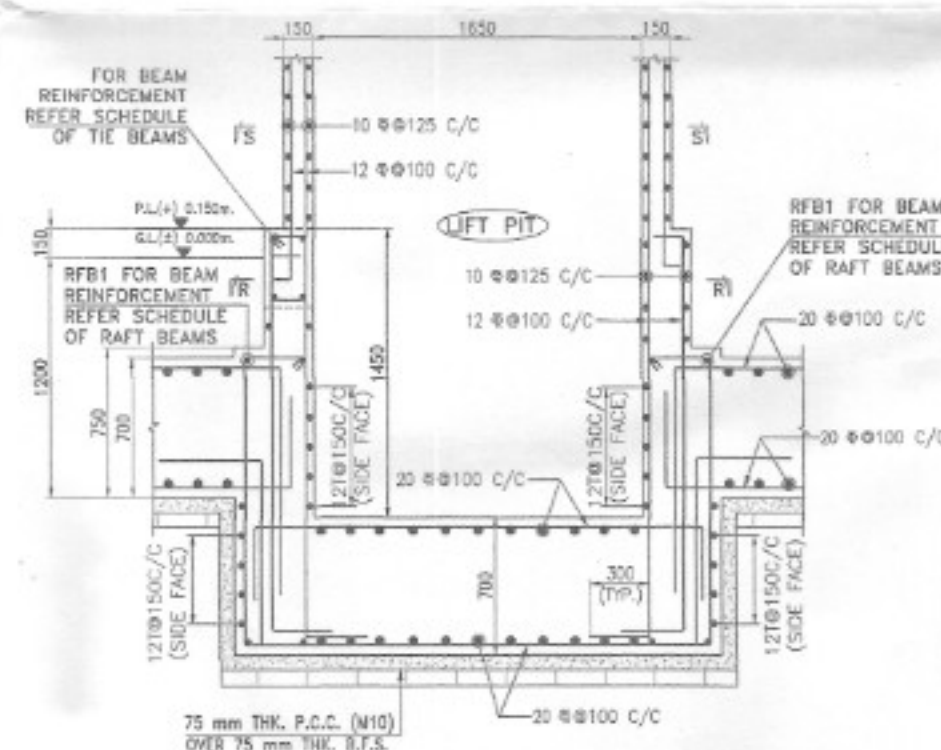
DETAIL—"X"
SCALE-N.T.S.



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



DETAIL-"Y"
SCALE-N.T.S.



SECTION -C-C
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 INCONSISTENCY 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 ϕ 7 @ 250 C/C.
9. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
 - i) RAFT SLAB AND BEAM : 50 mm
 - ii) SHEAR WALL : 20 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 SP 34:1987
12. THE NET SAFE BEARING CAPACITY FOR RAFT FOUNDATION 13.2 T/SQM AT DEPTH OF (-)1.20m. FROM G.L. IN TUNE WITH THE SOIL REPORT PREPARED BY ASSOCIATED FOUNDATION ENGINEERS (ASIS SARKAR).
13. FOUNDATION BEARING CAPACITY MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING BEFORE EXECUTION.
14. 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 OF G+8 STORED
RESIDENTIAL (APARTMENT) BUILDING OF SRI. INDRAJIT SAMANTA,
SRI DEBRAJ HALDAR AND SMT SHRUTIKANA DUTTA OVER R/S PLOT
NO.- 1/522, LR PLOT NO.- 87, KHATIAN NO.- 2980,2981 &
2982 MOUZA - SHANKARPUR, J.L. NO- 109, P.S. - NEW
TOWNSHIP, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER

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

AR. VIJAYA SINGH MAZUMDER
CONSULTING ARCHITECT
COA REGISTERED
CA/2021/134276

Ar. VIJAYA SINGH MAZUMDER
CGA Registered
CA/2021/134278
9332802166 / 9478428108

SIGNATURE OF PANCHAYET PRADHAN

Approved File No. 82 on 15/05/2018
No. 15 Date 21/05/2018
Valid upto 25/05/2018

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SUSMITA CHOUDHURY
B.TECH (CIVIL) - WBUT
ME (CONSTRUCTION) - JU
BSE - I/RIPSON/130
ESE - H/DMC/664
STER/NEIDA/21/00010
CVER/NEIDA/10/00015
(04)-8867817321/7603201736

SIGNATURE OF THE VETTING AUTHORITY

CHECKED & VETTER

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Ph.-81
DRAWING TITLE

FOUNDATION LAYOUT PLAN WITH REINF. DETAILS.

SCALE.-1:100 OR AS SHOWN
DATE.-29.04.2025

SHEET NO.- 1 OF 4

SHEET SIZE= A1