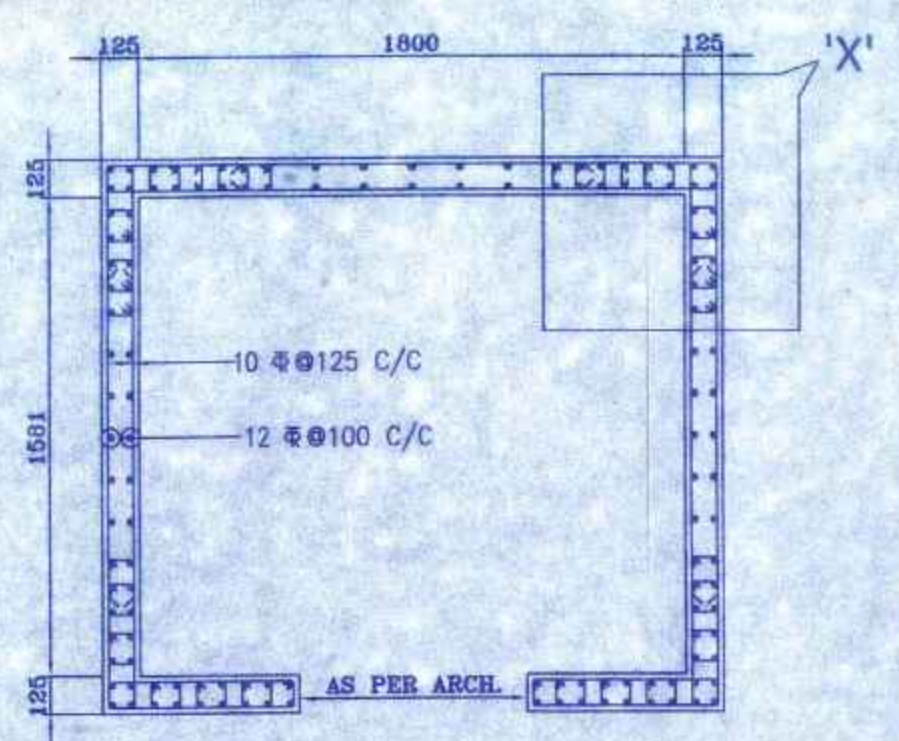


FOUNDATION LAYOUT PLAN
RS MARKED SLABS ARE 600mm THICK.
SCALE-1:100

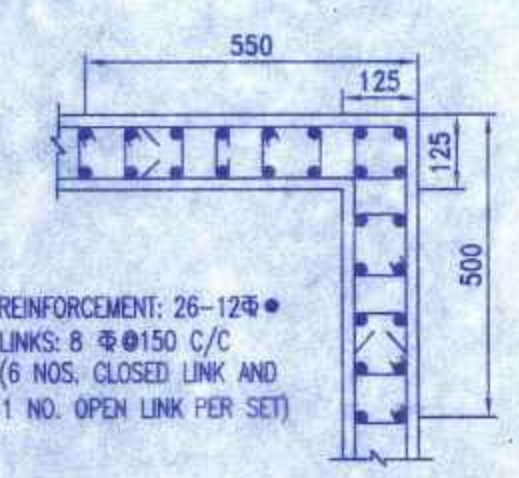
SCHEDULE OF RAFT BEAMS							
BEAM MARKED	SIZE	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	SIDE FACE
		ALTHROUGH	EXTRA AT SPAN	ALTHROUGH	EXTRA AT SUPPORT		
RFB1	1000 650	6-16	4-12	6-16	4-12	4L-8@150 C/C	-
RFB1A	1000 1200	6-16	-	6-16	-	4L-8@150 C/C	12@150 C/C
RFB2	650 650	6-16	6-16	6-16	6-16	4L-10@100 C/C	-
RFB2A	650 1200	6-16	-	6-16	-	4L-10@100 C/C	12@150 C/C
RFB3	750 650	6-16	-	6-16	-	4L-8@150 C/C	-
RFB4	400 650	4-12	4-12	4-12	4-12	4L-8@100 C/C	-
RFB4A	400 1200	4-12	-	4-12	-	4L-8@100 C/C	12@150 C/C
RFB5	850 650	6-16	-	6-16	4-12	4L-8@200 C/C	-
RFB6	400 650	4-16	-	4-16	4-16	4L-8@200 C/C	-
RFB7	850 650	9-16	-	9-16	-	4L-8@100 C/C	-

SCHEDULE OF RAFT SLAB					
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	600	20@100 C/C	20@100 C/C	20@100 C/C	20@100 C/C

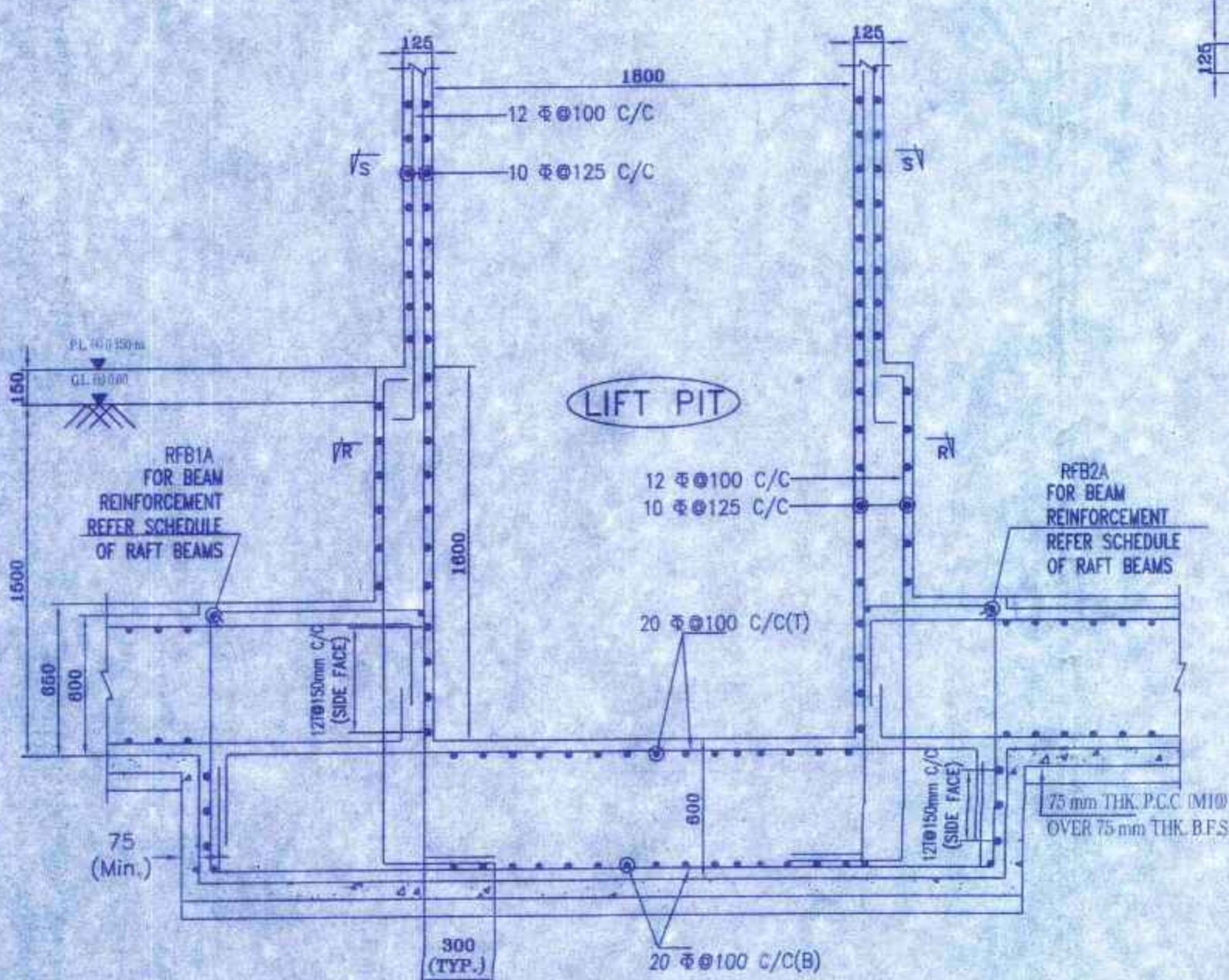
IMPORTANT NOTE:
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.



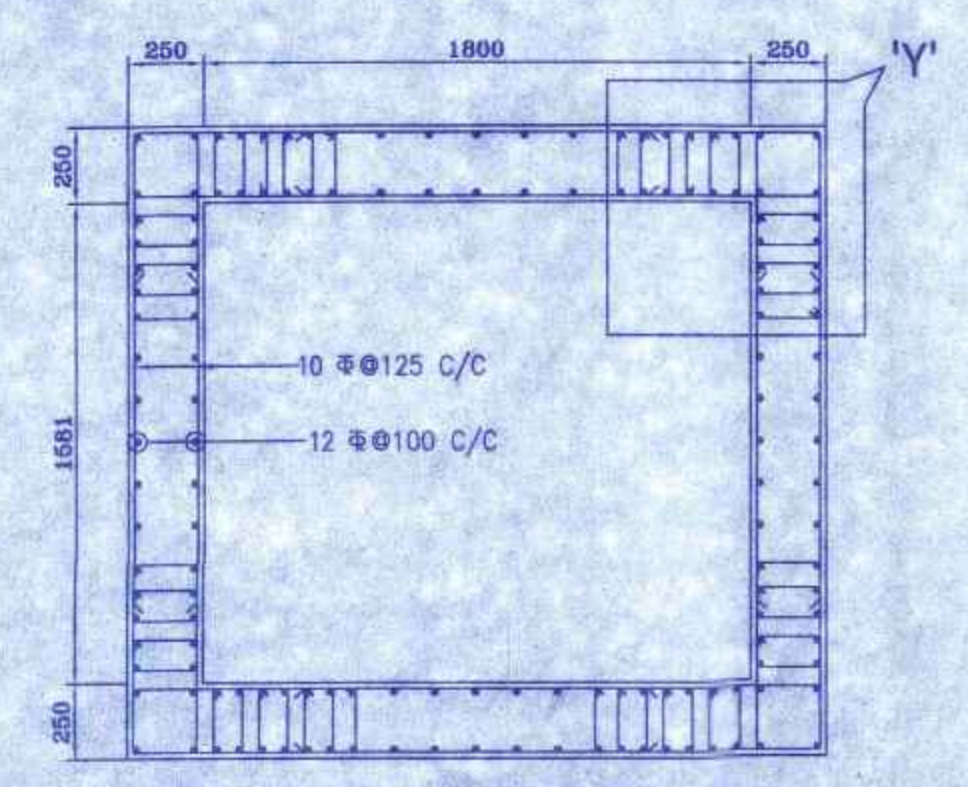
LIFT WALL PLAN AT FLOOR LEVEL SECTION (S-S)



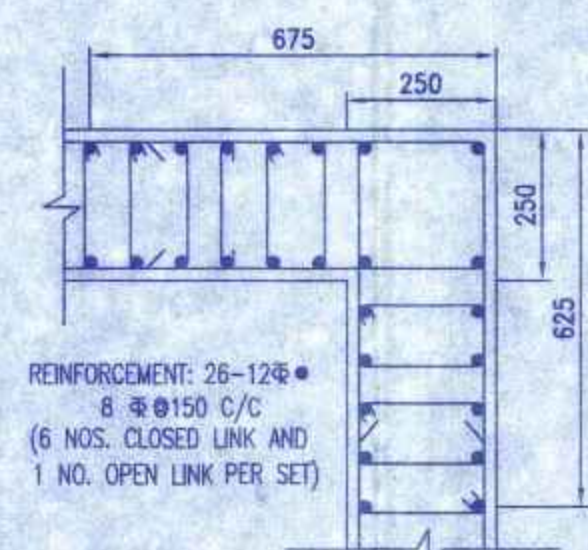
DETAIL 'X' SCALE-N.T.S.



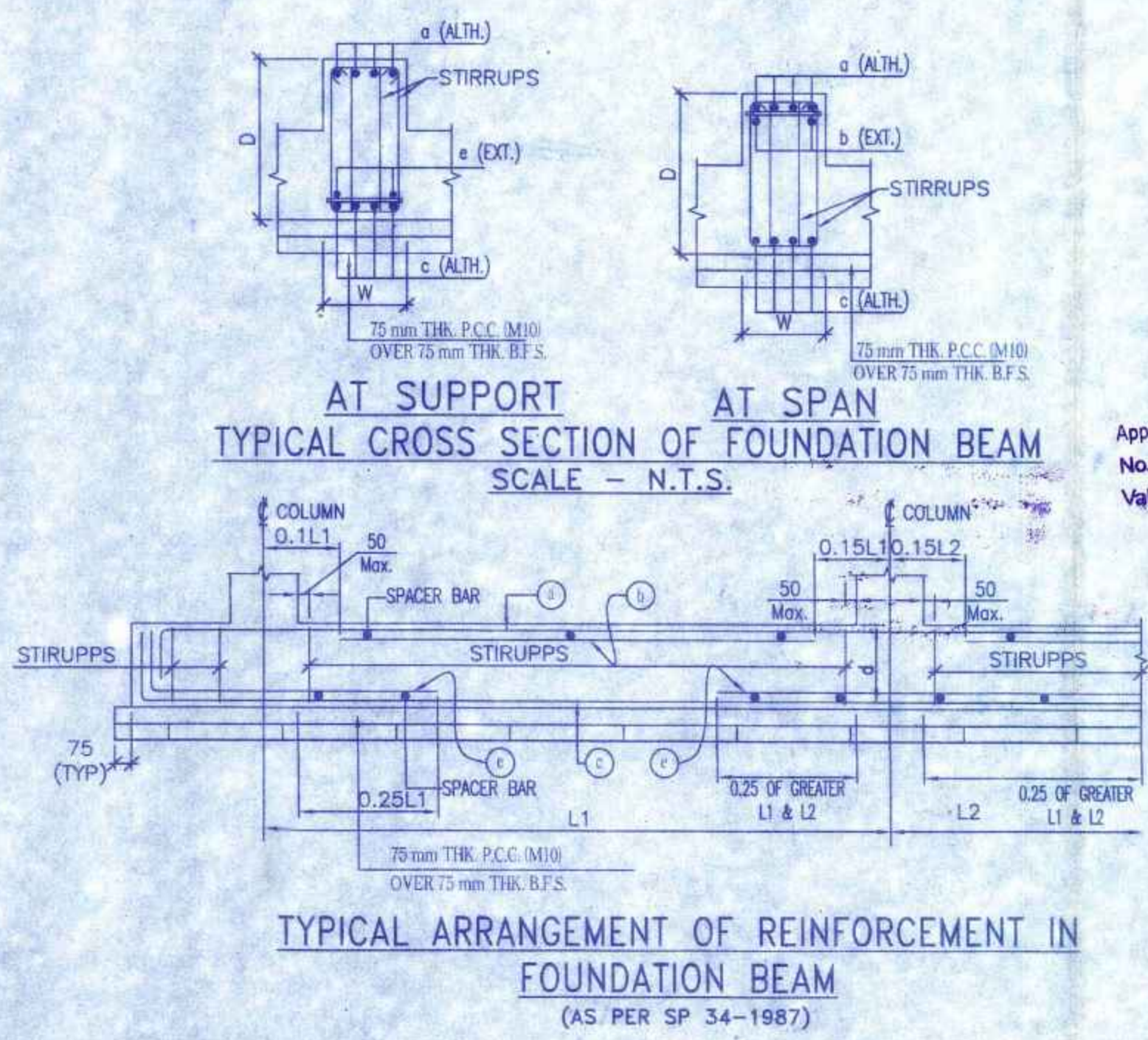
SECTION -C-C SCALE-1:25



LIFT WALL PLAN AT FOUNDATION LEVEL SECTION (R-R)



DETAIL 'Y' SCALE-N.T.S.



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

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

- 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
2) SHEAR WALL : 20 mm
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS:456:2000.
 - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987.
 - THE NET SAFE BEARING CAPACITY OF THE RAFT FOUNDATION SHOWN IN THE DRAWING AT DEPTH (-)1.5m. FROM G.L. HAS BEEN CONSIDERED 12.0 T/SQ.M. IN TUNE WITH THE BASIS OF SOIL REPORT PREPARED BY MR. ALOK ROY 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.

TITLE
STRUCTURAL DRAWING OF PROPOSED G+6 STORIED BUILDING AT MOUZA- KALIGUNJ, J.L. NO.- 110, R.S. PLOT NO. - 1468, 1469, L.R. PLOT NO. - 1841, 1842, L.R. KHATIAN- NO. - 2076, 2077, 2601 & 2602, P.S- NEW TOWNSHIP, DIST. - PASCHIM BARDHAMAN, WEST BENGAL.

SIGNATURE OF OWNER
Rina shyam Anati samanta
Rishy Ghosh
Purnima Mondal

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT
Jui Chatterjee
AR, JUI CHATTERJEE, B-ARCH
Registration No: CA/2021/134352
Ph: 9834549309, 7326833411
4/13, Subhata Commercial Complex, City Centre, Durgapur - 713216

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Empanelled Geotechnical Engineer
Kolkata Municipal Corporation
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SIGNATURE OF STRUCTURAL ENGINEER
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B.TECH (CIVIL)-WBUTU
ME (CONSTRUCTION)-JU
ESE-1/JALPAGON/130
ESE-1/JKMC/664
STER/NKDA/21/00010
CVER/NKDA/10/00175
(M)-8697517321/7003201735

SIGNATURE OF VETTING AUTHORITY
Safar Saha
Pradhan 29/05/24
Jumua Gram Panchayat

Approved Plan No. 21... on Meeting No. 22/2023-24. Date: 24/01/2023 Valid upto: 28/10/2026

CHECKED & VERIFIED
DR. DIPANKAR CHAKRAVORTY
STRUCTURAL ENGINEERING DIVISION
PROFESSIONAL ENGINEER HEAD
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DRAWING TITLE
FOUNDATION LAYOUT PLAN WITH REINFORCEMENT DETAILS.
SCALE-1:100 OR AS SHOWN
DATE-06.04.2023

SHEET NO. -1 OF 3 SHEET SIZE. - A1