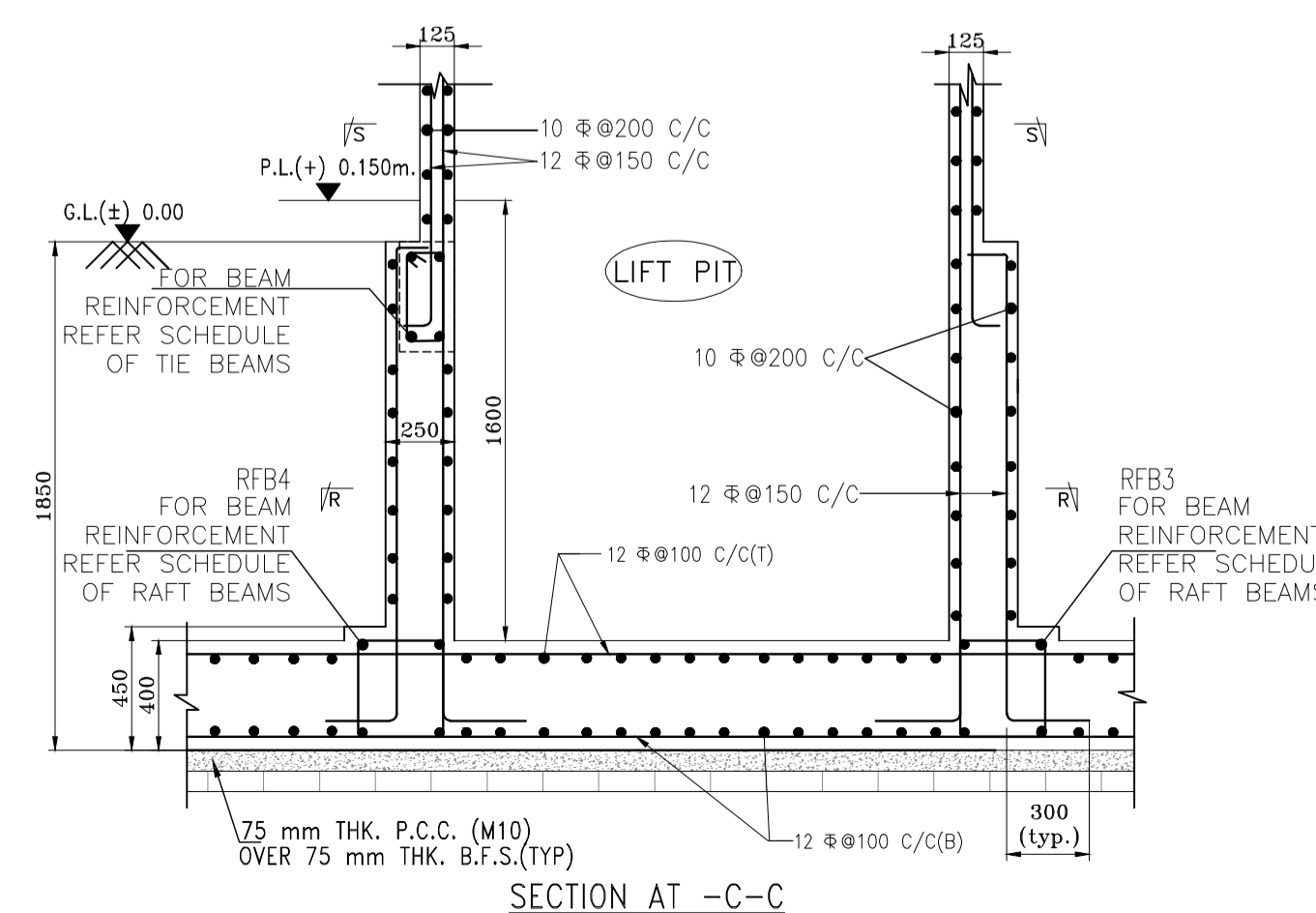
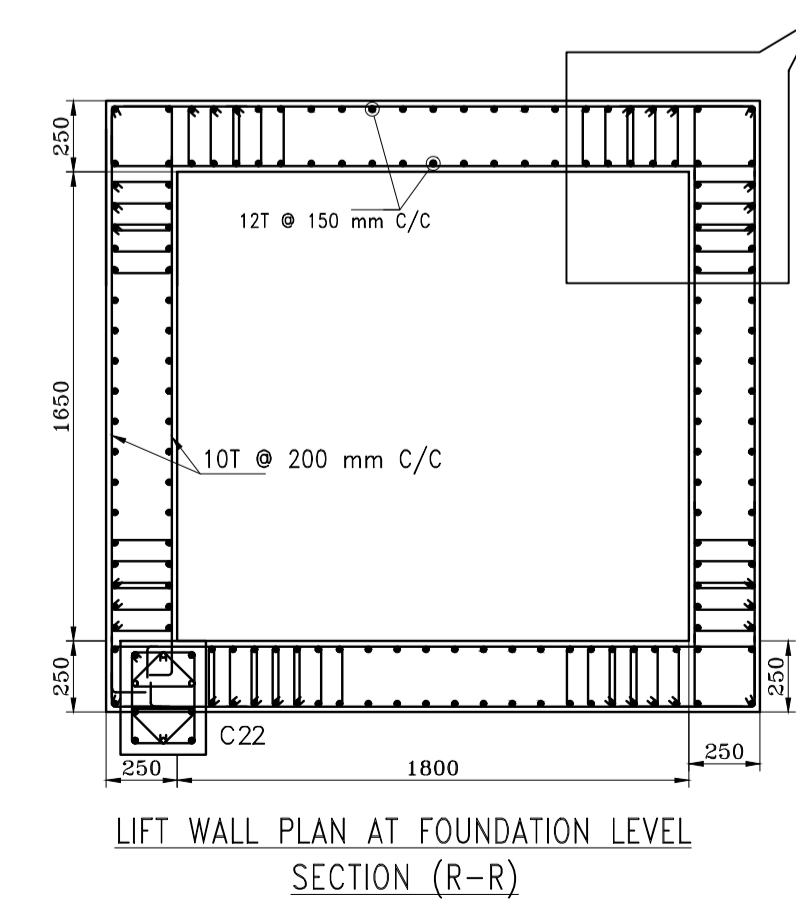


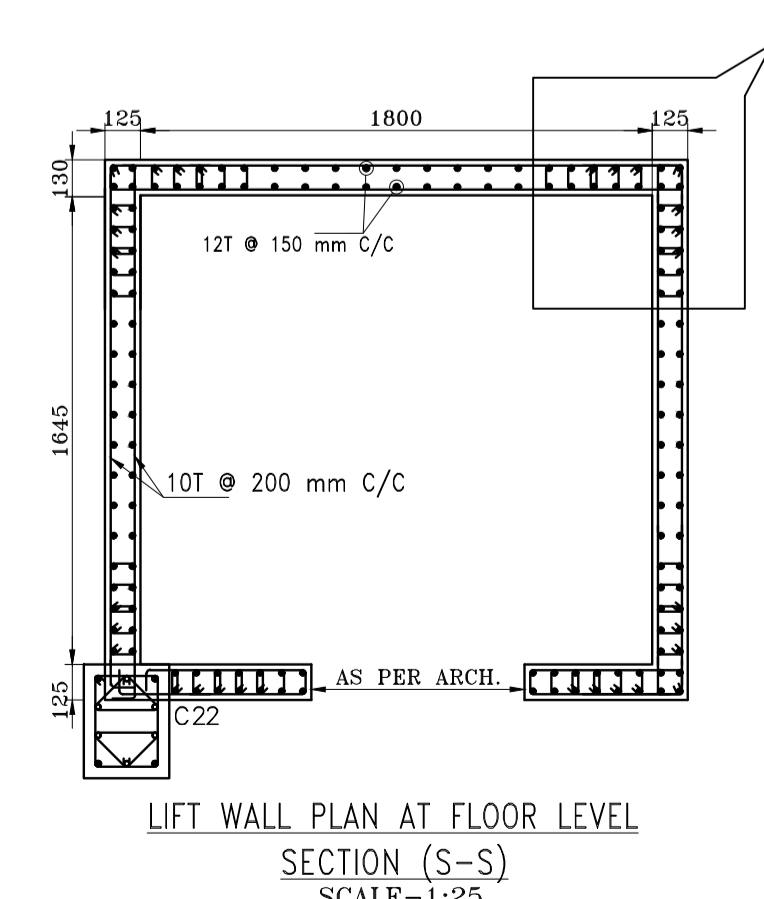
FOUNDATION LAYOUT PLAN
RS MARKED SLABS 400mm THK.
SCALE-1:100



SECTION AT -C-C
SCALE-1:25



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

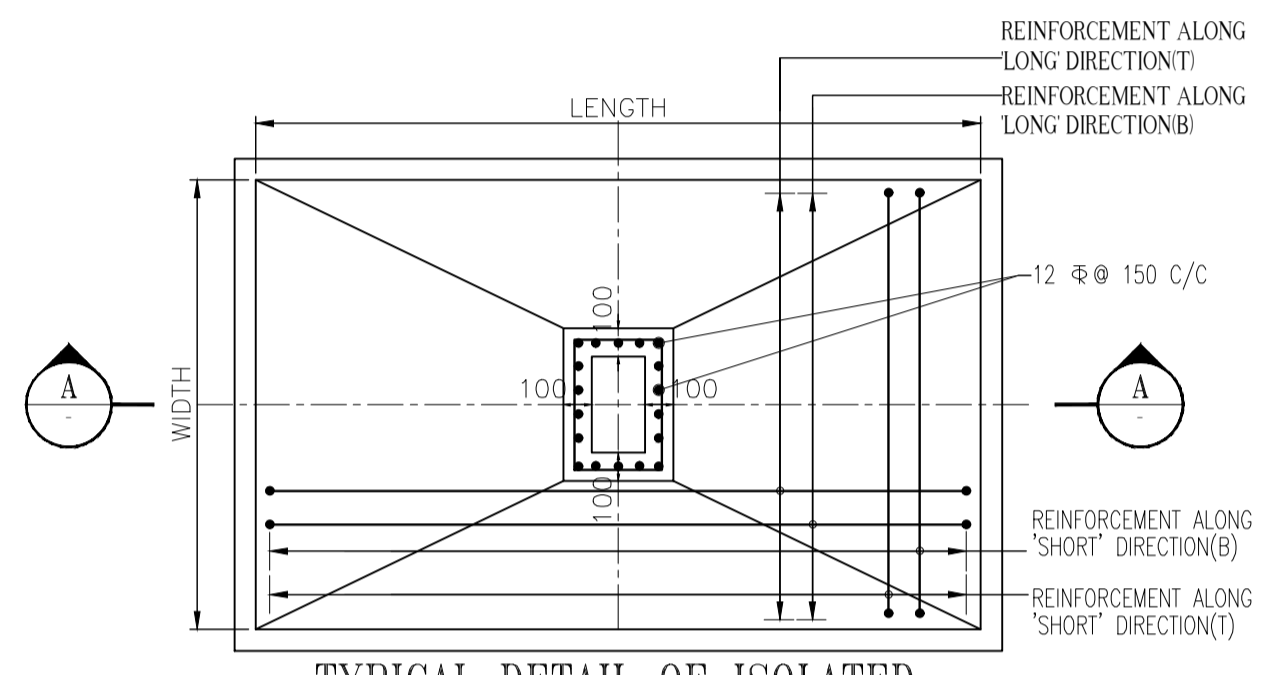


LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE-1:25

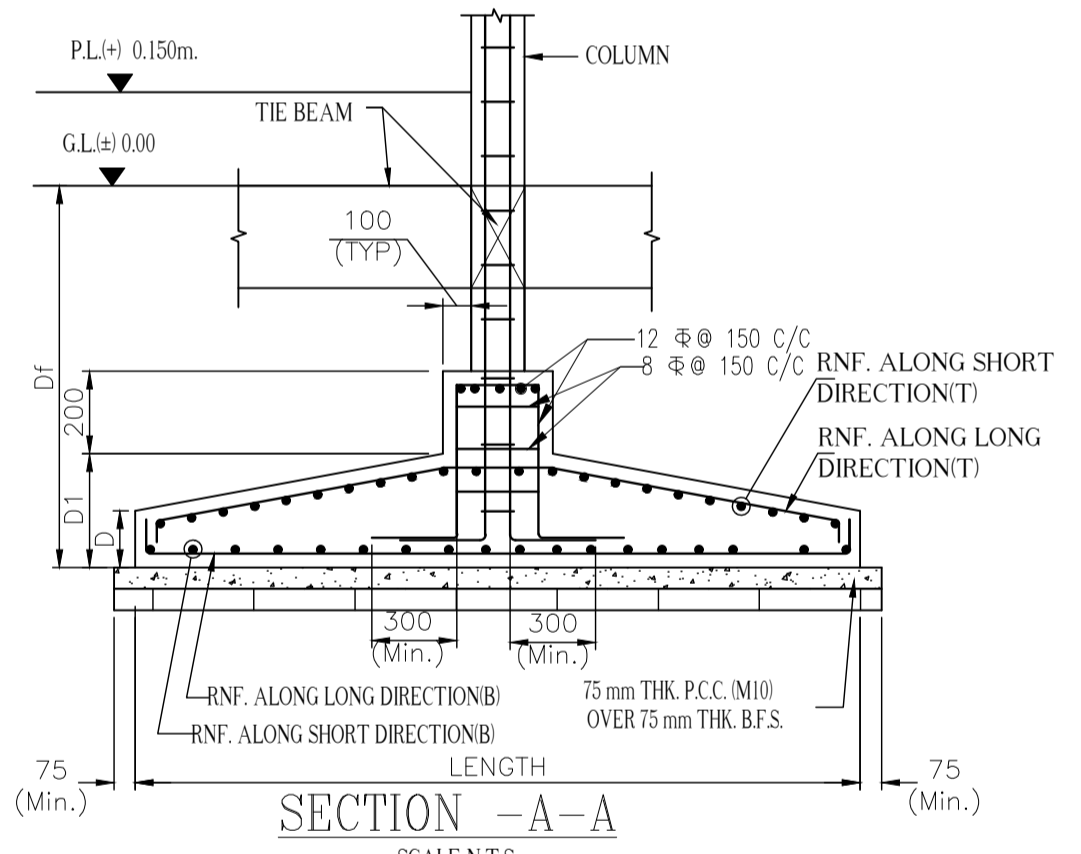
UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS				
			LENGTH (m)	WIDTH (m)	THICKNESS		DEPTH	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
					D1 (mm)	D (mm)		ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION
C1,C4,C5,C6,C7,C10,C12,C17,C20,C23,C24,C25,C34,C35,C39	F1	15	2.0	2.0	400	200	1200	12 # 100 C/C	12 # 100 C/C	8 # 250 C/C	8 # 250 C/C
C2,C3,C11,C13,C14,C19,C21,C28,C30,C31,C33,C36,C38	F2	13	2.50	2.50	500	350	1200	12 # 100 C/C	12 # 100 C/C	8 # 250 C/C	8 # 250 C/C
C8,C9,C27,C37	F3	04	2.70	2.70	500	350	1200	16 # 125 C/C	16 # 125 C/C	8 # 250 C/C	8 # 250 C/C
C15,C16,C29	F4	03	2.75	2.15	450	300	1200	12 # 200 C/C	16 # 100 C/C	8 # 250 C/C	8 # 250 C/C
C26,C32	F5	02	3.35	2.70	550	400	1200	12 # 150 C/C	16 # 125 C/C	8 # 250 C/C	8 # 250 C/C

SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION				REINFORCEMENT ALONG LONGER DIRECTION			
		BOTTOM		TOP		BOTTOM		TOP	
		REINFORCEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT	REINFORCEMENT
RS	400	12 # 100 C/C	12 # 100 C/C	12 # 100 C/C	12 # 100 C/C	12 # 100 C/C	12 # 100 C/C	12 # 100 C/C	12 # 100 C/C

BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
	WIDTH (mm)	DEPTH (mm)	ALTHROUGH	EXTRA AT SPAN	ALTHROUGH	EXTRA AT SUPPORT	
	(a)	(b)	(c)	(d)	(e)	(f)	
RFB1	700	450	6-12 #	2-12 #	6-16 #	6-16 #	4L-12 # 125 C/C
RFB2	450	450	5-12 #	-	5-16 #	3-12 #	4L-8 # 150 C/C
RFB3	400	450	4-12 #	-	4-12 #	-	4L-8 # 200 C/C
RFB4	400	450	4-12 #	-	4-12 #	3-16 #	4L-10 # 100 C/C



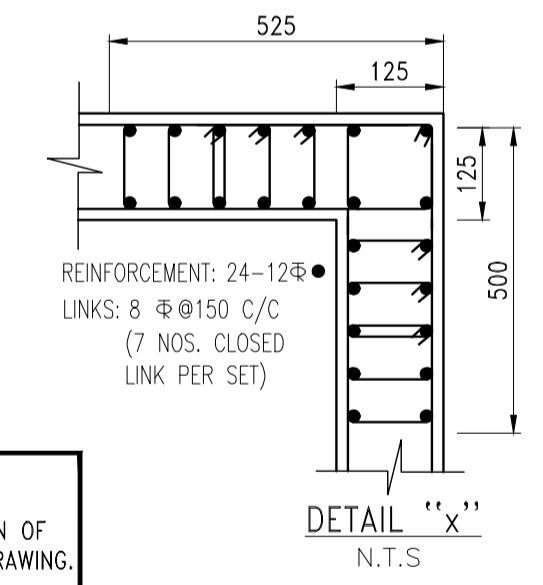
TYPICAL DETAIL OF ISOLATED FOUNDATION
SCALE N.T.S.



SECTION -A-A
SCALE N.T.S.

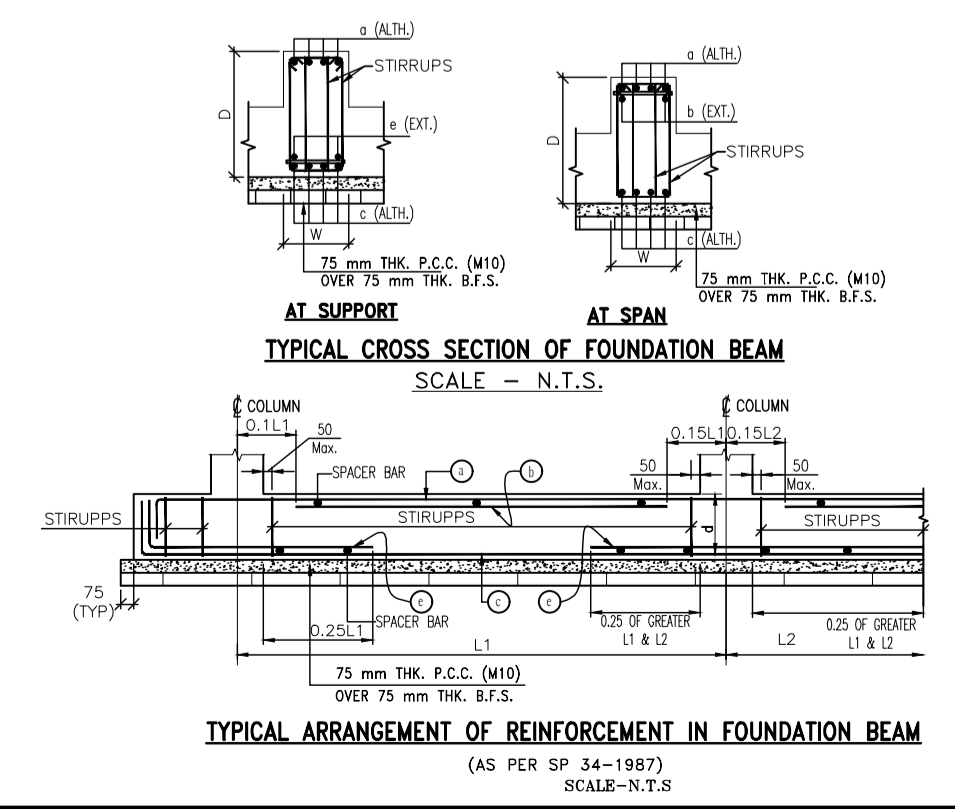
TYPE OF FOUNDATION	SIZE	NET SAFE BEARING CAPACITY (T/M ²)
	2.50m. x 2.50m.	13.6
	2.70m. x 2.70m.	13.3
	2.75m. x 2.15m.	13.4
	3.35m. x 2.70m.	13.2
RAFT	AS SHOWN	10.2

SPECIAL NOTE:-
THIS DESIGN WILL NOT BE VALID IF THE BEARING CAPACITIES ARE NOT ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER.



DETAIL 'X'
N.T.S.

SPECIAL 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.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN 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:
i) ISOLATED FOUNDATION : 50 mm
ii) RAFT BEAM & SLAB : 50 mm
iii) SHEAR WALL : 20 mm
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS:456:2000. DEVELOPMENT LENGTH SOXD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987.
 - THE NET SAFE BEARING CAPACITIES FOR ALL ISOLATED FOOTINGS AT DEPTH (-)1.2m. FROM G.L. HAS BEEN CONSIDERED AS MENTIONED IN DRAWING IN TUNE WITH THE SOIL REPORT PREPARED BY MR. ASIM SARKAR.
 - THE NET SAFE BEARING CAPACITY OF THE RAFT (RF1) SHOWN IN THE DRAWING AT DEPTH (-)1.85m. FROM G.L. HAS BEEN CONSIDERED 10.2T/SQM ON THE BASIS OF SOIL REPORT PREPARED BY MR. ASIM SARKAR. THIS 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) STORIED RESIDENTIAL APARTMENT OF, OWNER:- 1.) SRI. BIPUL BHATTACHARJEE, S/O LATE MADUSUDHAN BHATTACHARJEE, 2.) MOHALI BHATTACHARJEE W/O KUNTA BHATTACHARJEE, 3.) DEBASIS SHYAM, S/O LAKHKHI KANTO SHYAM, 4.) SANTANU MONDAL, S/O DAYAMOY MONDAL OVER, R.S. PLOT NO:-238, L.R. PLOT NO.-556, J.L. NO = 100, KHATIAN NO.-3961, 3962, 3963, 3964, OF MOUZA - TURKI SITARAMPUR, P.S.-BISHNUPUR, DIST. -BANKURA, UNDER B.M.C HOLDING:-11/6, WARD NO:- 18, MAHALLA-TURKI SITARAMPUR

SIGNATURE OF OWNER

SIGNATURE OF ARCHITECT

SIGNATURE OF GEO-TECHNICAL ENGINEER
JUI CHATTERJEE
(COA REG. NO - CA/2021/134352)

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF VETTING AUTHORITY

STRUCTURAL CONSULTANT:
STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY APARTMENT, GROUND FLOOR, 908B, KALIKAPUR ROAD, KOLKATA- 700 099
Email-structconenterprise@gmail.com
Mobile-8697517321, 7003201735

DRAWING TITLE
FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.

SCALE-1:100 OR AS SHOWN
DATE-16.06.2022
SHEET NO. -1 OF 4 SHEET SIZE. - A1