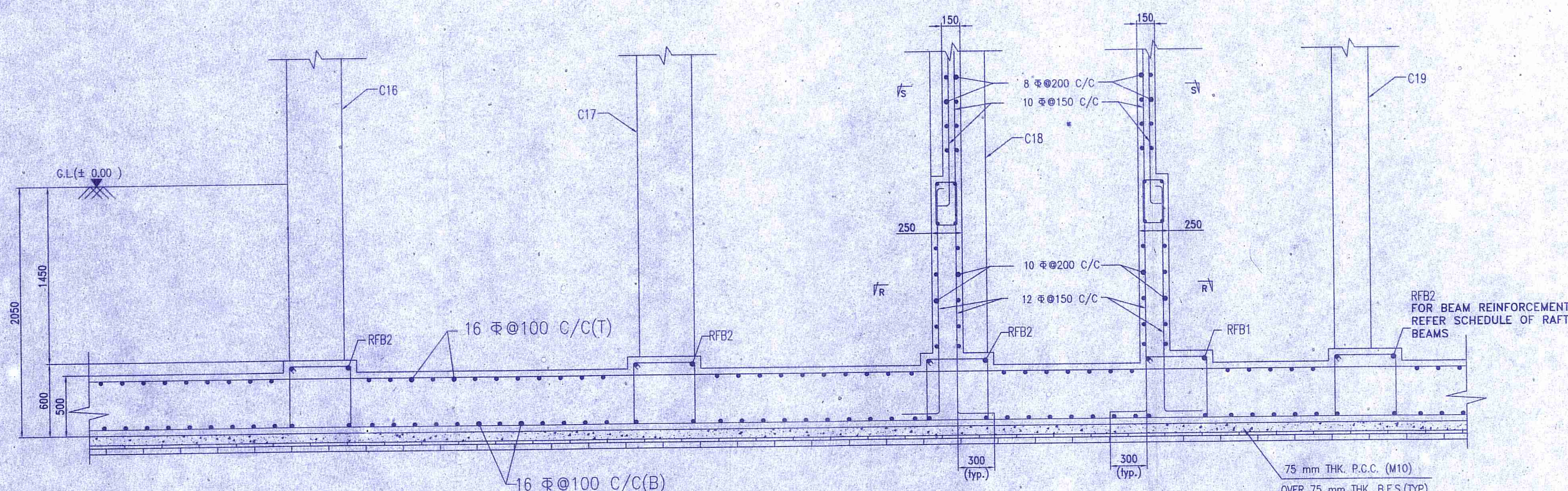


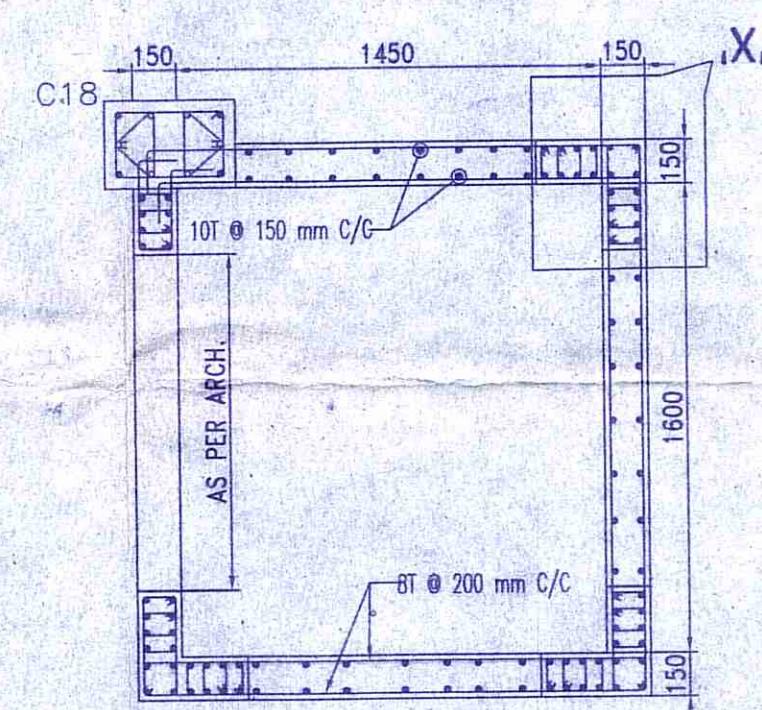
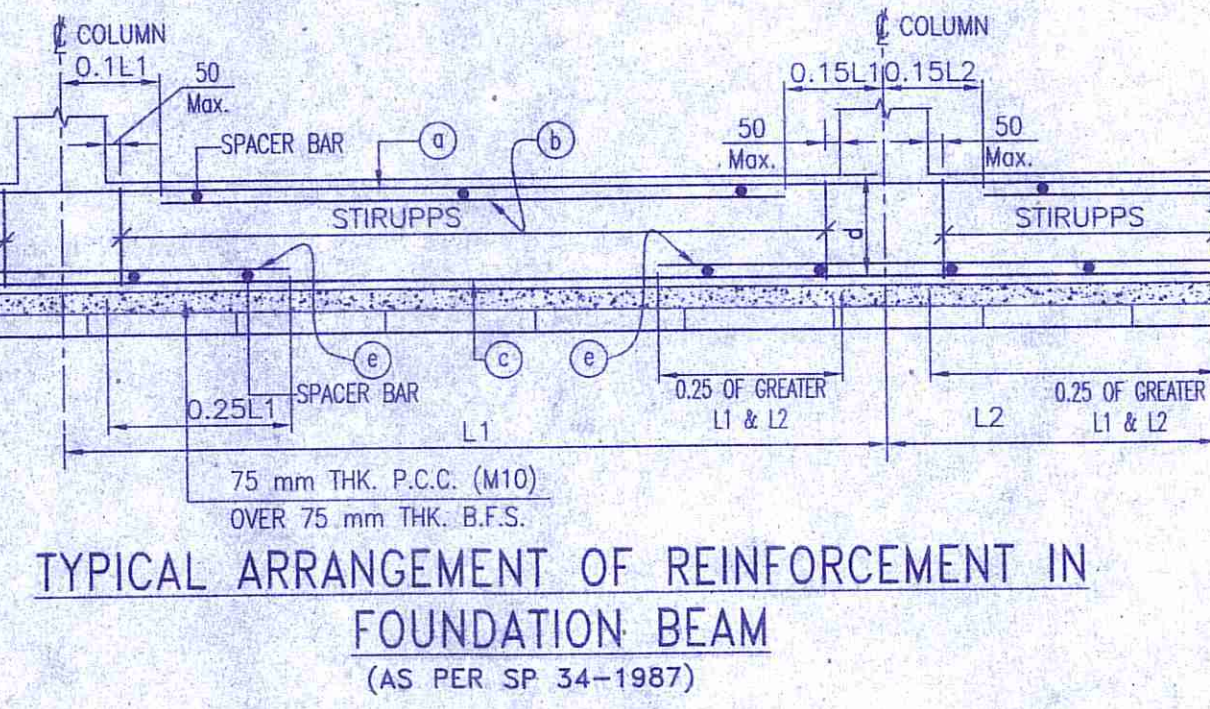
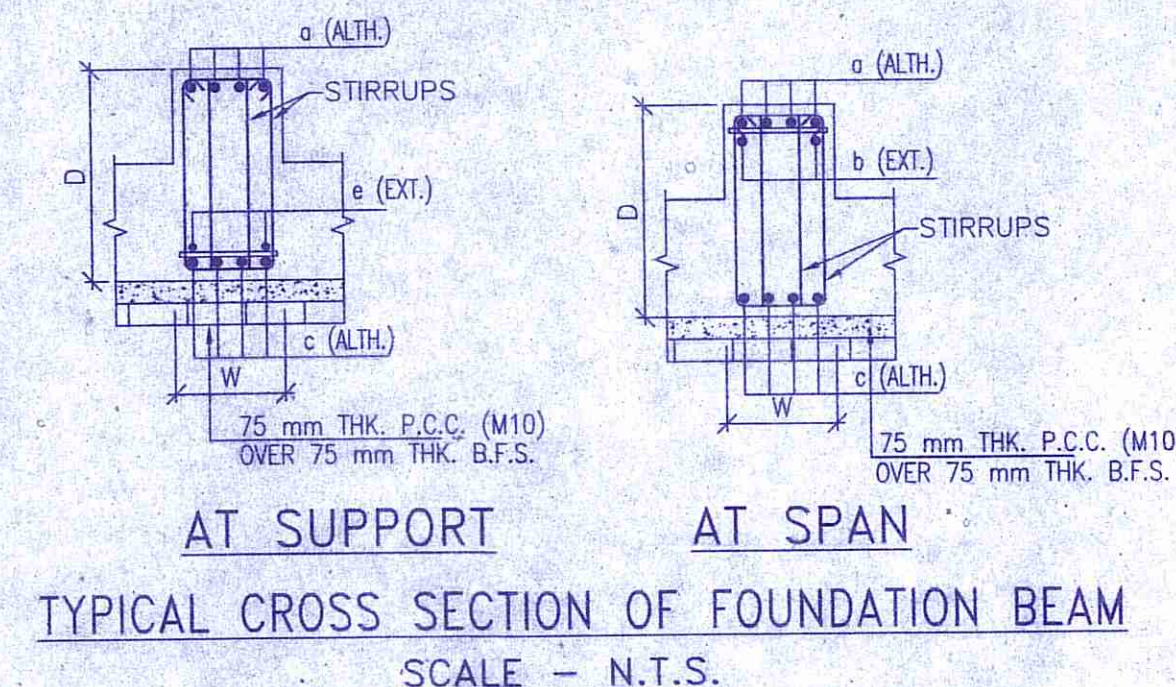
FOUNDATION LAYOUT PLAN
SCALE=1:100

| SCHEDULE OF RAFT BEAMS | | | | | | | |
|------------------------|----------------|----------------|-------------------|-------------------|----------------------|----------------------|-----------------|
| BEAM MARKED | BEAM SIZE | | TOP REINFORCEMENT | | BOTTOM REINFORCEMENT | | STIRRUPS |
| | WIDTH (W) (mm) | DEPTH (D) (mm) | ALLTHROUGH (a) | EXTRA AT SPAN (b) | ALLTHROUGH (c) | EXTRA AT SUPPORT (d) | |
| RFB1 | 600 | 600 | 7-20 | - | 7-20 | - | 4L-10 @ 150 C/C |
| RFB2 | 600 | 600 | 7-20 | - | 7-20 | 5-16 | 4L-12 @ 150 C/C |
| RFB3 | 800 | 600 | 9-20 | - | 9-20 | 5-16 | 6L-12 @ 150 C/C |
| RFB4 | 900 | 600 | 9-20 | - | 9-20 | 5-16 | 6L-12 @ 150 C/C |

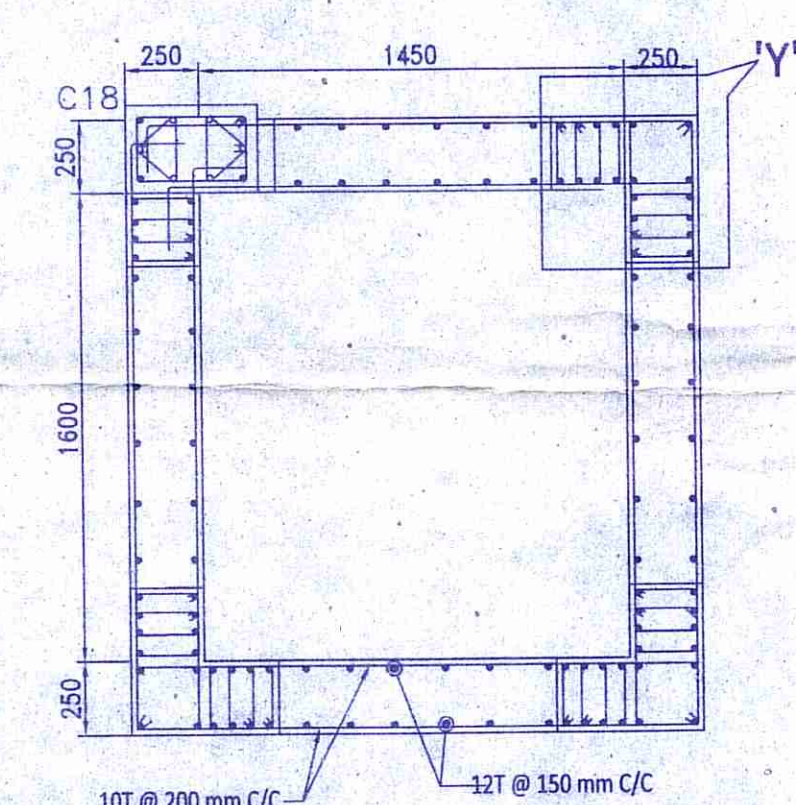
| SCHEDULE OF RAFT SLAB | | | | | |
|-----------------------|---------------------|---|--------------|--------------------------------------|--------------|
| SLAB MKD | SLAB THICKNESS (mm) | REINFORCEMENT PERPENDICULAR TO RAFT BEAMS | | REINFORCEMENT PARALLEL TO RAFT BEAMS | |
| | | BOTTOM | TOP | BOTTOM | TOP |
| RS1 | 500 | 16 @ 100 C/C | 16 @ 100 C/C | 16 @ 100 C/C | 16 @ 100 C/C |



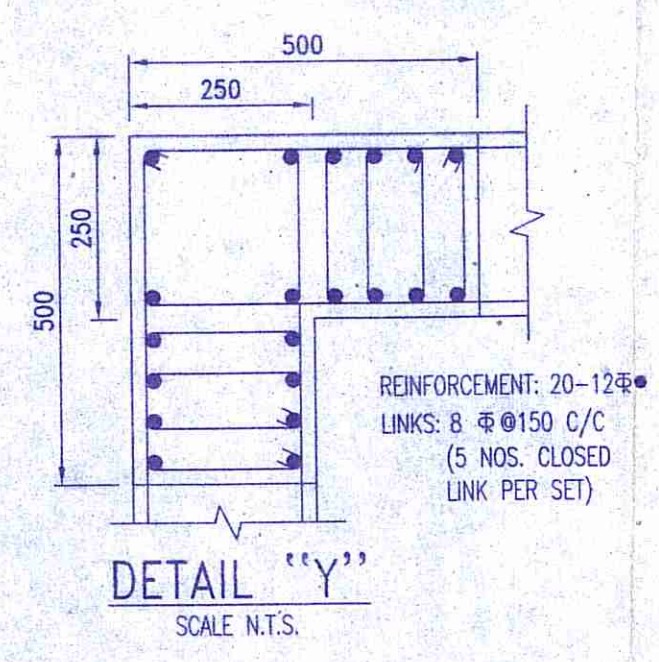
SECTION AT -A-A
SCALE= 1:25



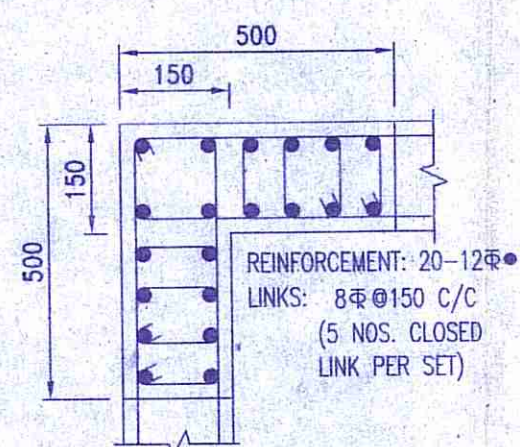
LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE 1:25



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



DETAIL 'Y'
SCALE N.T.S.



DETAIL 'X'
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:
(1) RAFT BEAM & SLAB : 50 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 SHOWN IN THE DRAWING AT DEPTH (-) 2.05m. FROM G.L. HAS BEEN CONSIDERED AS 11 T/SQ.M. 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.
 - 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 DRAWING OF PROPOSED G+5 STORIED RESIDENTIAL (APARTMENT) BUILDING OF AMANTRAN PROJECTS PVT. LTD. OVER L.R. PLOT NO.- 51(P), 292(P), 295(P), 297(P), L.R. KHATIAN NO. - 338, MOUZA - HARIBAZAR, J.L. NO.- 106, P.S. - NEWTOWNSHIP, DIST.- BURDWAN
* HOLDING NO.- 43/N
* I D NO.- 66013
* CIRCLE/WARD NO. - C/25
NAME OF STREET - ROAD-71, HARI BAZAR, DGP-06

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

Vijaya Singh
VIJAYA SINGH
DMC REGISTERED
LIC NO. - DMC/BPD/60
SIGNATURE OF GEOTECHNICAL ENGINEER
THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

Asim Sarkar
ASIM SARKAR
BCE, ME (SOIL), MIGS
EMPHLETTED GEOTECHNICAL ENGINEER
K.M.C. No. : CLASS -1/2

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.

Susmita Choudhury 21/9/2020
SUSMITA CHOUDHURY
B.TECH (WBUTU)
CIVIL ENGINEER, NKDA
LICENCE NO.- OVER/NKDA/10/00175

Dona Chatterjee 21.9.2020
DONA CHATTERJEE
Structural Consultant
B. E. - Civil (First class. Hons.) J U
M. E. - Structures (First class) J U
ESE-II (K. M. C.) Licence No. ESE/11/1618

SIGNATURE OF THE VETTING AUTHORITY
THE SOIL REPORT DOES NOT CONTAIN BEARING CAPACITY CORRESPONDING TO THE RAFT. THEREFORE IT IS EXTREMELY IMPORTANT TO GET A REPORT FROM A COMPETENT GEO-TECHNICAL ENGINEER, BEFORE EXECUTION OF THE WORK, TO VERIFY WHETHER A BEARING CAPACITY OF 11 TON/SQ.M. IS REALLY ACHIEVABLE AT SITE. SO THIS DRAWING IS PROVISIONALLY VETTED WITH THE ABOVE CONDITION.

CHECKED & VETTED
Dr. Dipanker Chatterjee
DR. DIPANKER CHATTERJEE
STRUCTURAL ENGINEER
PROFESSOR & HEAD OF THE DEPARTMENT OF CIVIL ENGINEERING
JAGADIPUR UNIVERSITY, RAJBARHAT
B.E. (J.U.) GOLD MEDALIST
M. TECH (STRUCTURAL) GOLD MEDALIST
PH.D. (IIT KGP)
(CIPET) 03832487 2890
(MO) 9439168502 & 9439989143
EMAIL: prof.dipanker@gmail.com

CERTIFICATE OF OWNER
THIS IS TO CERTIFY THAT I SHALL NOT ON A LATER DATE, MAKE ANY ADDITION OR ALTERATION TO THIS PLAN, THIS IS CERTIFIED THAT I HAVE GONE THROUGH THE NBC OF INDIA AND ALSO ABIDE BY THOSE RULES DURING AND LATER CONSTRUCTION OF BUILDING.

Ashok Majumdar, Debanth Munhoja
Sunder Handal

Susmitra Nath Chatterjee

DRAWING TITLE
FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.
SCALE-1:100 OR AS SHOWN
DATE- 18.09.2020
SHEET NO. - 1 OF 4