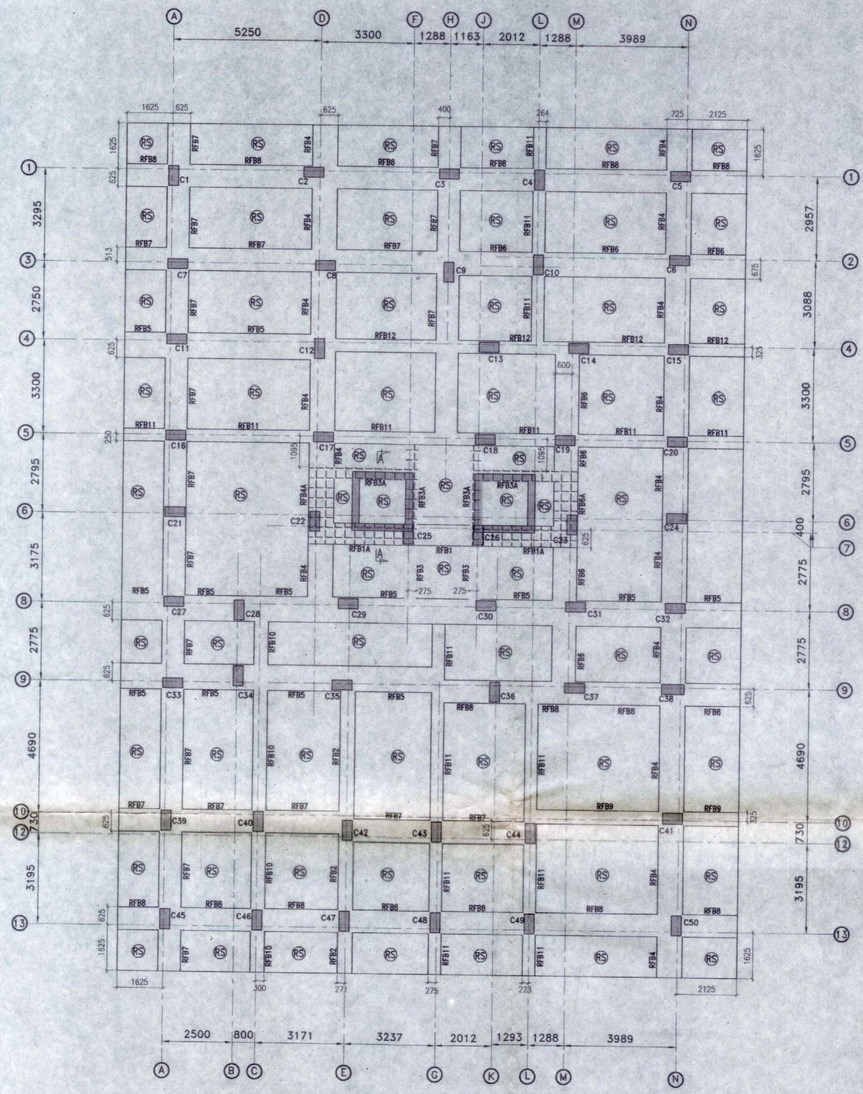
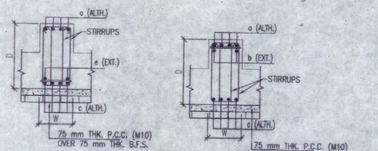


FOUNDATION LAYOUT PLAN

RS MARKED SLABS 850mm THK.

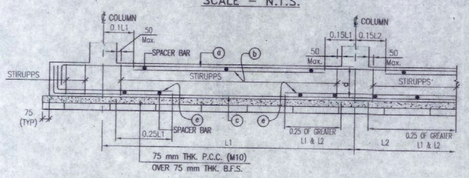
SCALE-1:100



AT SUPPORT AT SPAN

TYPICAL CROSS SECTION OF FOUNDATION BEAM

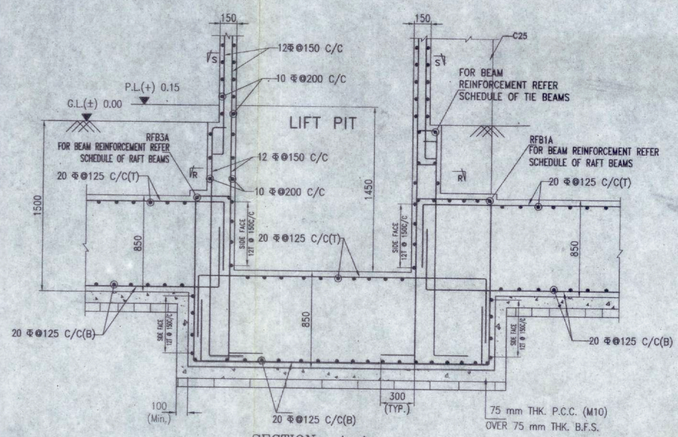
SCALE - N.T.S.



TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM

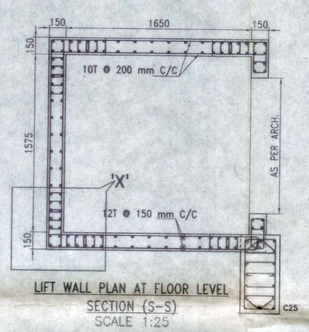
(AS PER SP 34-1987)

SCALE - N.T.S.



SECTION -A-A

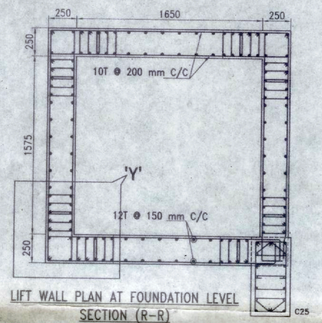
SCALE- 1:25



LIFT WALL PLAN AT FLOOR LEVEL

SECTION (S-S)

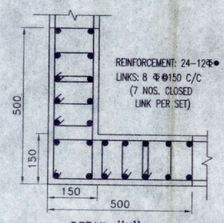
SCALE 1:25



LIFT WALL PLAN AT FOUNDATION LEVEL

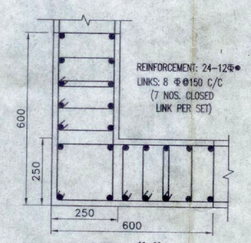
SECTION (R-R)

SCALE 1:25



DETAIL "X"

N.T.S



DETAIL "Y"

N.T.S

SCHEDULE OF RAFT BEAMS

BEAM MARKED	BEAM SIZE WIDTH (W) (mm)	BEAM SIZE DEPTH (D) (mm)	TOP REINORCEMENT ALTHROUGH (a)	TOP REINORCEMENT EXTRA AT SPAN (b)	BOTTOM REINORCEMENT ALTHROUGH (c)	BOTTOM REINORCEMENT EXTRA AT SUPPORT (e)	STIRRUPS	SIDE FACE
RFB1	750	900	6-16 ϕ	-	6-16 ϕ	-	4L-8 ϕ@200 C/C	-
RFB1A	750	1550	6-16 ϕ +5-16 ϕ	-	6-16 ϕ +5-16 ϕ	-	4L-8 ϕ@200 C/C	12 ϕ@150 C/C
RFB2	525	900	4-16 ϕ	-	4-16 ϕ	-	4L-8 ϕ@200 C/C	-
RFB3	400	900	3-16 ϕ	-	3-16 ϕ	-	4L-8 ϕ@200 C/C	-
RFB3A	400	1550	3-16 ϕ +3-16 ϕ	-	3-16 ϕ +3-16 ϕ	-	4L-8 ϕ@200 C/C	12 ϕ@150 C/C
RFB4	900	900	7-16 ϕ	-	7-16 ϕ	2-16 ϕ	4L-8 ϕ@100 C/C	-
RFB4A	900	1550	7-16 ϕ +5-16 ϕ	-	7-16 ϕ +5-16 ϕ	-	4L-8 ϕ@100 C/C	12 ϕ@150 C/C
RFB5	900	900	7-16 ϕ	-	7-16 ϕ	-	4L-8 ϕ@125 C/C	-
RFB6	850	900	7-16 ϕ	-	7-16 ϕ	-	4L-8 ϕ@150 C/C	-
RFB6A	850	1550	7-16 ϕ +5-16 ϕ	-	7-16 ϕ +5-16 ϕ	-	4L-8 ϕ@150 C/C	12 ϕ@150 C/C
RFB7	800	900	6-16 ϕ	-	6-16 ϕ	-	4L-8 ϕ@100 C/C	-
RFB8	800	900	6-16 ϕ	-	6-16 ϕ	2-16 ϕ	4L-8 ϕ@100 C/C	-
RFB9	500	900	4-16 ϕ	-	4-16 ϕ	-	4L-8 ϕ@200 C/C	-
RFB10	500	900	4-16 ϕ	-	4-16 ϕ	2-16 ϕ	4L-8 ϕ@150 C/C	-
RFB11	450	900	4-16 ϕ	-	4-16 ϕ	-	4L-8 ϕ@200 C/C	-
RFB12	450	900	4-16 ϕ	-	4-16 ϕ	2-16 ϕ	4L-8 ϕ@100 C/C	-

SCHEDULE OF RAFT SLAB

SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION BOTTOM	REINFORCEMENT ALONG SHORTER DIRECTION TOP	REINFORCEMENT ALONG LONGER DIRECTION BOTTOM	REINFORCEMENT ALONG LONGER DIRECTION TOP
RS	850	20 ϕ● 125 C/C	20 ϕ● 125 C/C	20 ϕ● 125 C/C	20 ϕ● 125 C/C

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 DISCREPANCY 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 8 T @ 250 C/C.
9. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
   I)RAFT BEAM & SLAB : 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 SP34:1987
12. THE NET SAFE BEARING CAPACITY OF THE RAFT SHOWN IN THE DRAWING AT DEPTH (-)1.50m. FROM G.L. HAS BEEN CONSIDERED 15.0 T/SQM ON THE BASIS OF SOIL REPORT PREPARED BY Mr. ALOK ROY. THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
13. 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:-

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.

TITLE (BLOCK-3)

STRUCTURAL DRAWING OF PROPOSED G+10 STORIED (BLOCK -3) APARTMENT BUILDING OF 'SAMPRITHI HEALTHCARE INTERNATIONAL PVT. LTD.' OVER L.R. PLOT NO. - 431, 432, 433, 434 & 437, R.S. PLOT NO. - 433, 434, 435, 437 & 512, KHATIAN NO. - 974, MOUZA - GOPALMATH, J.L. NO- 003, P.S. - DURGAPUR, DIST- PASCHIM BARDHAMAN. HOLDING NO.- N/9, I D NO.- 3309401132148, CIRCLE/ WARD NO.- 35, ADDRESS. - G.T. ROAD , GOPALMATH, DGP - 17

SIGNATURE OF OWNER

SAMPRITHI HEALTHCARE INTERNATIONAL PVT. LTD.
Authorised Signatory

SIGNATURE OF ARCHITECT

Ar. VIJAYA SINGH MAZUMDER
COA REGISTERED
CA/2021/134276

Vijaya Singh Mazumder
VIJAYA SINGH MAZUMDER
COA Registered
CA/2021/134276
9332802166 / 9476426106

SIGNATURE OF GEOTECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

25/5/22

SUSMITA CHOUDHURY
B.TECH (CIVIL)- WBUT
ME (CONSTRUCTION) -JU
ESE-I/RJTSON/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 CHAKRABORTY
STRUCTURAL ENGINEERING DIVISION
PROFESSOR & FORMER HEAD
CIVIL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
B.E.(CIVIL) JADAVPUR
M.TECH.(STRUCTURES) IISC
PH.D (IIT ROP), GOLD MEDALIST
(O) 033-2457 2256
(M) 09051618502 & 9433983143
EMAIL: Pnrdipankar@gmail.com

STRUCTURAL CONSULTANT:

STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY APARTMENT, GROUND FLOOR
968, KALIKAPUR ROAD,
KOLKATA- 700 099
EMAIL- structconenterprise@gmail.com

DRAWING TITLE

FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.

SCALE.-1:100 OR AS SHOWN

DATE.-18.05.2022

SHEET NO. - 1 OF 5 | SHEET SIZE. - A1