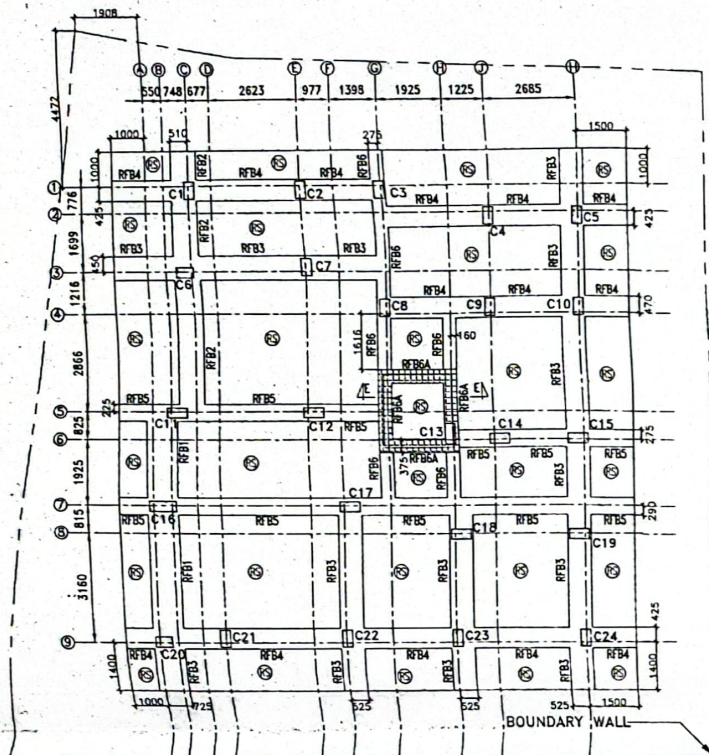


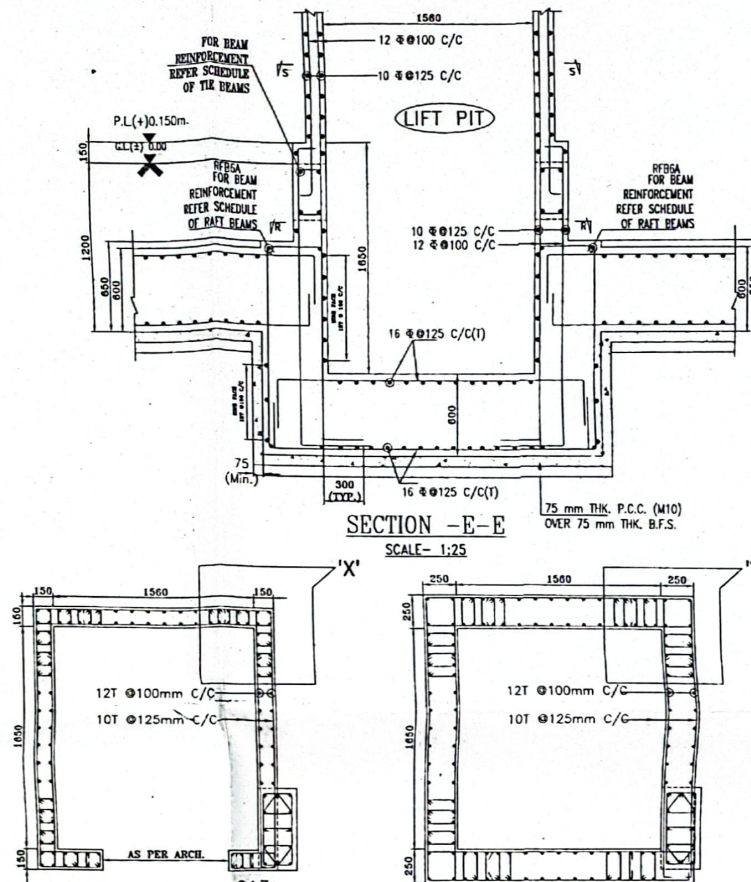


FOUNDATION LAYOUT PLAN
RS MARKED SLAB 600mm THK.
SCALE-1:100

SCHEDULE OF RAFT SLAB					
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	600	16 Φ 125 C/C	16 Φ 125 C/C	16 Φ 125 C/C	16 Φ 125 C/C

SCHEDULE OF RAFT BEAMS						
BEAM MARKED	BEAM SIZE	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		SIDE FACE
		ALTHROUGH	EXTRA AT SPAN	ALTHROUGH	EXTRA AT SUPPORT	
RB1	900 650	8-16 Φ	-	8-16 Φ	4-20 Φ	-
RB2	750 650	7-16 Φ	-	7-16 Φ	2-20 Φ	-
RB3	700 650	7-16 Φ	3-20 Φ	7-16 Φ	4-20 Φ	-
RB4	600 650	5-16 Φ	2-20 Φ	5-16 Φ	3-20 Φ	-
RB5	500 650	5-16 Φ	-	5-16 Φ	3-20 Φ	-
RB6	400 650	4-16 Φ	2-20 Φ	4-16 Φ	3-20 Φ	-
RB7	400 1550	4-16 Φ	-	4-16 Φ	-	12 Φ 0150 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.



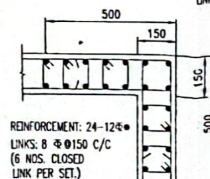
SECTION - E-E
SCALE-1:25

LIFT WALL PLAN AT FLOOR LEVEL
SCALE-1:25

SECTION (S-S)
SCALE-1:25

LIFT WALL PLAN AT FOUNDATION LEVEL
SCALE-1:25

SECTION (R-R)
SCALE-1:25



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

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

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

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.

- 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 B 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 Φ 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.
 - PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP-34-1987 THE NET SAFE BEARING CAPACITY OF THE RAFT SHOWN IN THE DRAWING AT DEPTH (-) 1.2m FROM G.L. HAS BEEN CONSIDERED 12.5 T/50M IN TUNE WITH THE OF SOIL REPORT PREPARED BY MR. ASIM SARKAR 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-1883 (PART-1)-2014 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

TITLE
STRUCTURAL DRAWING OF PROPOSED G+6 STORIED RESIDENTIAL (APARTMENT) BUILDING OF "BLUE ONYX PVT. LTD." OVER R.S. PLOT NO - 47(P), L.R. PLOT NO. - 388, L.R. KHATIAN NO. - 1954, R.S. KHATIAN NO. - 67, MOUZA - TEKHIALA, J.L. NO - 111, P.S. - NEWTOWNSHIP, DIST - PASCHIM BARDHAMAN, LAND OWNER - SRI. GANESH PARAMANIK

SIGNATURE OF OWNER

Ganesh Paramanik
Ganesh Paramanik

SIGNATURE OF ARCHITECT

Ar. Viyaya Singh Mazumder
Ar. Viyaya Singh Mazumder

AR. VIYAYA SINGH MAZUMDER, CA Registered CONSULTING ARCHITECT
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SIGNATURE OF GEO-TECHNICAL ENGINEER

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Asim Sarkar
ASIM SARKAR
M.TECH (STRUCTURE), MGS, IIT
SIGNATURE OF PANCHAYAT PRADHAN (GEO-TECHNICAL ENGINEER)

Approved Plan No. 24 Date 29.01.2024
No. 13/2024-24 Date 29.01.2024
Valid upto: 01/05/2026

Sophia Sathian
Sophia Sathian
Prodhan 14/01/24

SIGNATURE OF STRUCTURAL ENGINEER

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Susmita Choudhury
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SIGNATURE OF THE VETTING AUTHORITY

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DRAWING TITLE

FOUNDATION LAYOUT PLAN WITH REINFORCEMENT DETAILS.

SCALE-1:100 OR AS SHOWN
DATE-08.08.2023

SHEET NO. - 1 OF 3

SCALE-1:100 OR AS SHOWN

DATE-08.08.2023

SHEET NO. - 1 OF 3

SCALE-1:100 OR AS SHOWN

DATE-08.08.2023

SHEET NO. - 1 OF 3

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