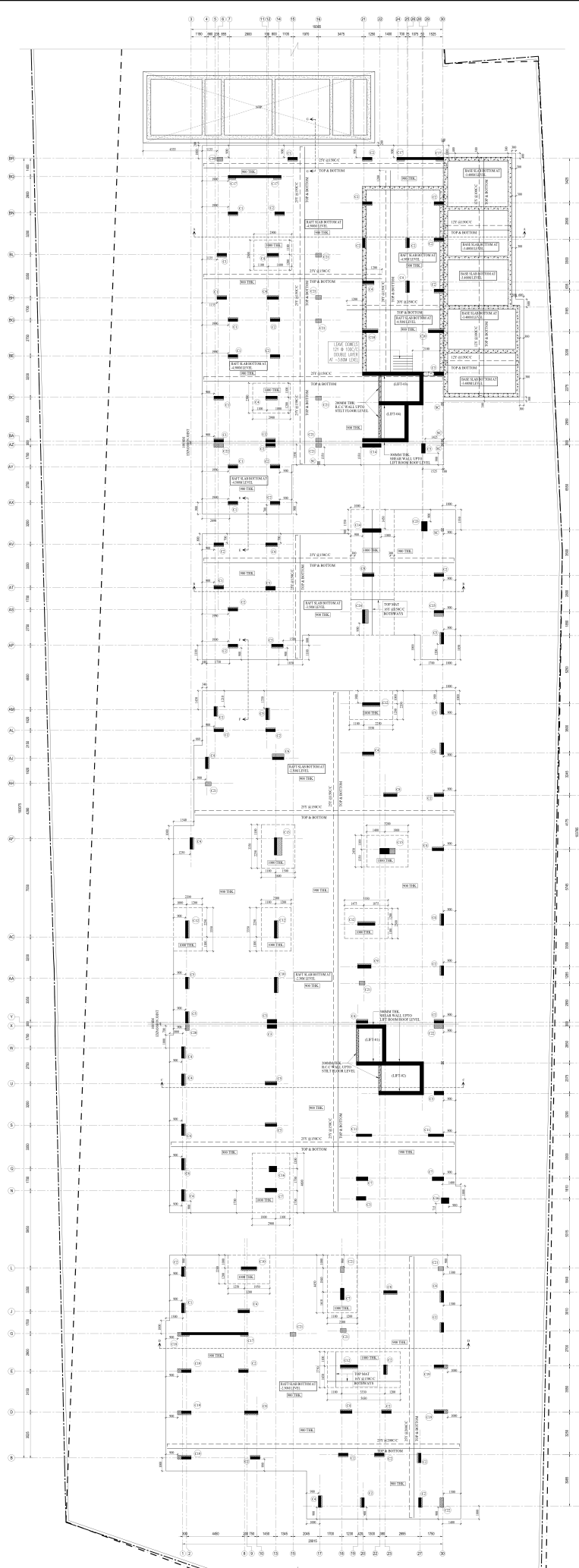


COLUMN CENTER LINE LAYOUT



FOURTH EDITION, LAMOUR

- GENERAL NOTES
- 1 All Dimensions are in Millimeters
 - 2 Rein. shall be Concrete Grade: M 40
 - 3 Maximum slab thickness = 400 mm (a)
 - 4 R/c shall be: Bitum. Sd. 100
 - 5 Concrete Grade: M 30
 - 6 Minimum concrete cover = 30 mm
 - 7 Slab Grade: F-500 D
 - 8 Conforming to IS 1786-1985
 - 9 Chair cover
 - 10 Filling - 50
 - 11 Column Cover
 - 12 R/c to the Main Reinforcement = 40
 - 13 R/C C Wall = 25
 - 14 Beam = 25
 - 15 Slab = 25
 - 16 Lap length
 - 17 Compression (Column): 45 d
 - 18 Tension (Beam & Slab): 37 d or 50
 - 19 The column center shall extend 50 mm above the center of footing
 - 20 Provide provide bar at every 900 mm intervals
 - 21 Provide 200 mm x 25 mm x 25 mm G.I. L Channel for every 500 mm
 - 22 G.I. L Channel provide per Sq. Sft. Test Report from G.O. MARIAN COOPER CONSULTANTS (P) LTD.
 - 23 Provide 100 mm x 100 mm x 10 mm G.I. Channel for every 500 mm
 - 24 Development Length (Column) = 36 d or 100 mm
 - 25 Development Length for Ld=50 d
 - 26 Provide 100 mm x 100 mm x 10 mm G.I. Channel for every 500 mm
 - 27 Do not chase shall be made without the approval of structural consultant
 - 28 No door shall be made without the approval of structural consultant
 - 29 This drawing contains copyrighted material and is the property of the structural consultant and is loaned over to a third party for any purpose other than

LEGENDS :

	REGULAR COLUMN
	SHEAR WALL UPTO FINAL FLOOR ROOF LEVEL
	COLUMN TERMINATED AT STEEL FLOOR ROOF LEVEL
	COLUMN TERMINATED AT FIRST FLOOR ROOF LEVEL
	STUB COLUMN UPTO GRADE BEAM TOP LEVEL

NOTE :-
* COLUMN, FOUNDATION AND ALL FLOOR ROOF BEAMS ARE DESIGNED TO CARRY AAC BLOCK WALL LOADS ONLY.

DATE : 22-12-2025
GOOD FOR CONSTRUCTION

R2	GENERALLY REVISED	TTR	22-12-2
R1	GENERALLY REVISED	TTR	30-09-2
REV	DESCRIPTION	BY	DATE

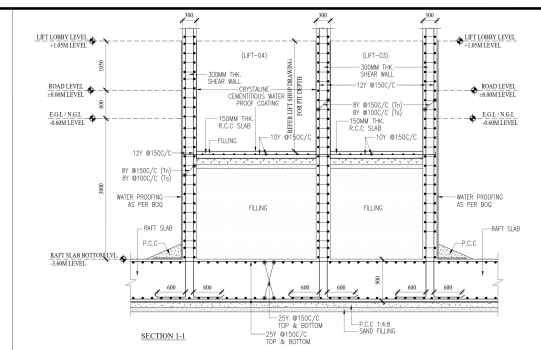
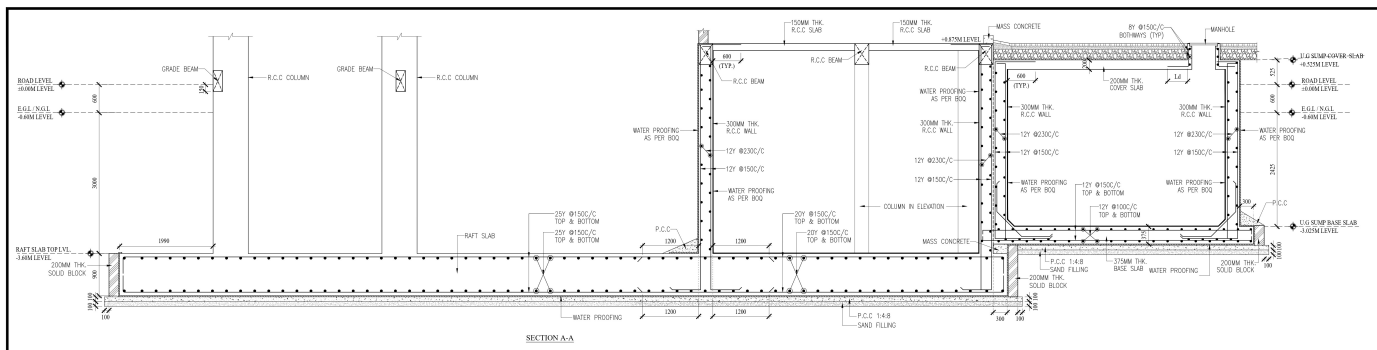
PROJECT TITLE:  **LIVERPOOL**
MILK COLONY, MADHAVARAM.

DRAWING TITLE: STRUCTURAL DRAWING COLUMN CENTER LINE LAYOUT AND FOUNDATION LAYOUT	
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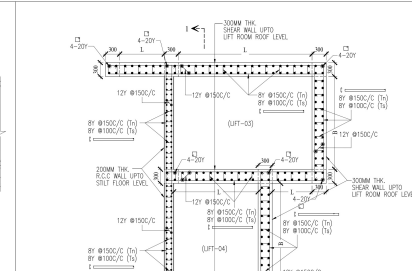
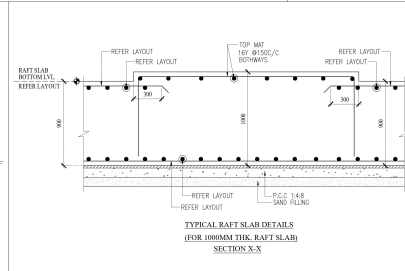
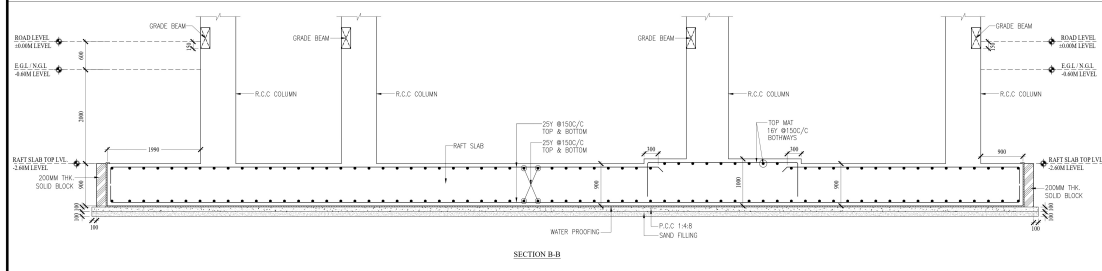
SCALE	1:100 / A2	DRAWN BY	TTR
DATE	02-07-2025	CHECKED BY	J.S
DEPARTMENT	POD-ENGINEERING	STRUCTURAL	
FUNCTION & EMERGENCY ARCHITECT		T.S. SUBRAMANIAM	

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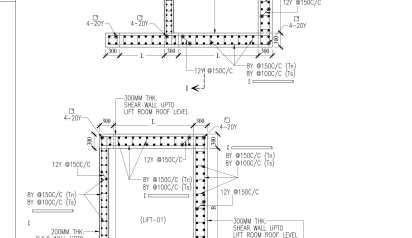
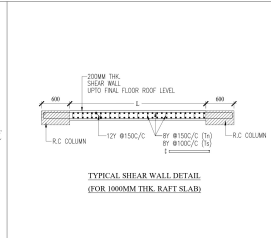
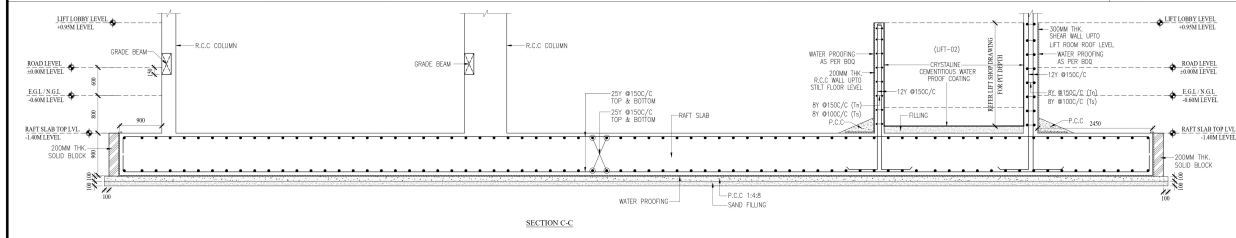
ARKIE ATELIER DESIGN INDIA (P) LIMITED
Architecture Engineering Interiors
Node Venua Colony 3rd Street, Alwarpet, Chennai TN, India. Pin-600 016
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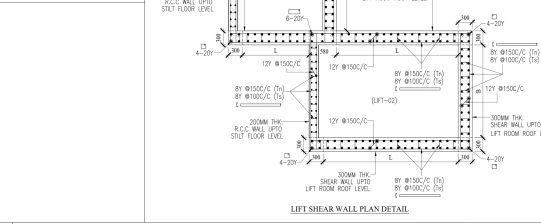
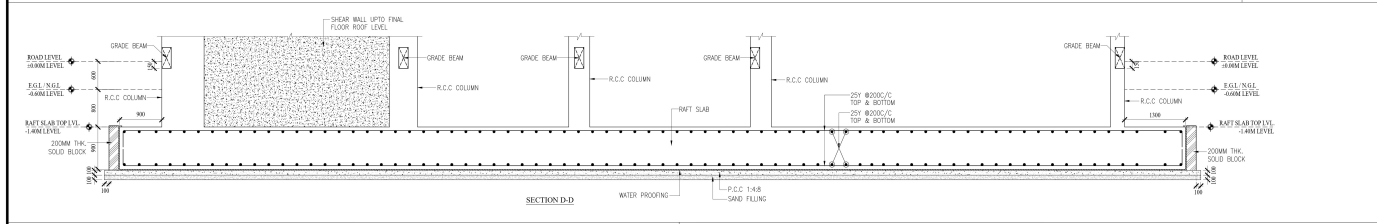
- GENERAL NOTES:**
- 1) All Dimensions are in Millimeters
 - 2) Raft slab Concrete Grade : M 40
(Minimum cement content = 400 kg/m³)
Columns, Re wall, Beam, Slab
Concrete Grade : M 20
(Minimum cement content = 380 kg/m³)
 - 3) Steel Grade : Fe-500 D
Confirming to IS 1786-1985
 - 4) Clear cover :
Footings = 50,
Column Cover
to the Main Reinforcement = 40,
R.C.C Wall = 25,
Slab = 20
 - 5) Lap length
Compression (Columns) : 45 Ø
Tension (Beam & Slab) : 57 Ø
 - 6) The column corner should coincide
with center of footing.
 - 7) Provide spacer bar at every 900 intervals
 - 8) S.B.C of soil is taken as 25 Tpa as 2.0m below
F.O.G.L (Considered as per Soil Test Report From
M/s. GEO MARINE CONSULTANTS (P) LTD.)
 - 9) The Foundation and Columns are designed for
Pump Room (Basement) + Six + 9 Floors +
Headroom & C.R.T only.
 - 10) Development length for Ld=50 Ø
 - 11) Do not scale this drawing and follow
architectural drawing dimensions only.
 - 12) No changes shall be made without the
consent of the structural consultant.
 - 13) This drawing contains copyrighted material and
should not be reproduced or copied and handed
over to a third party for any purpose other than
for which it was intended.



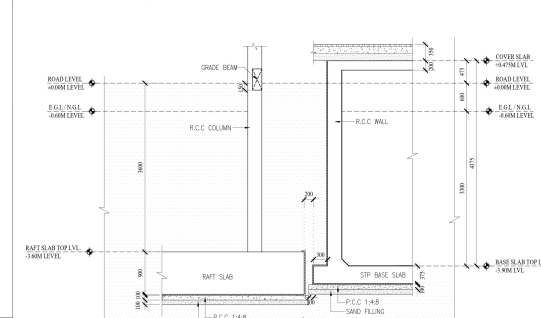
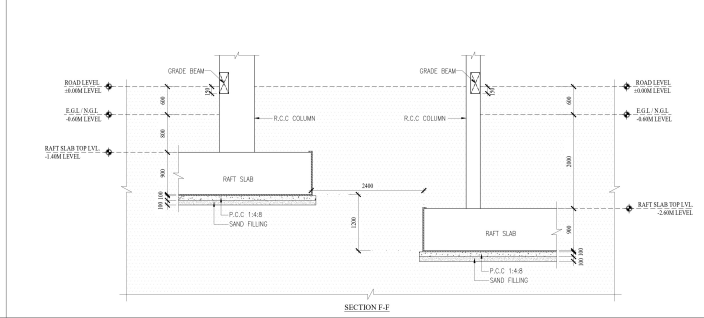
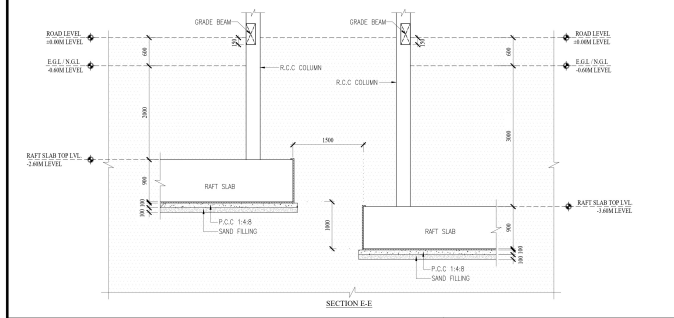
- NOTE :-**
* STRUCTURE IS DESIGNED TO CARRY
AAC BLOCK WALL LOADS ONLY.



- DATE : 22-12-2025**
GOOD FOR CONSTRUCTION
- | REV | DESCRIPTION | BY | DATE |
|-----|-------------------|-----|------------|
| R2 | GENERALLY REVISED | TTR | 22-12-2025 |
| R1 | GENERALLY REVISED | TTR | 30-09-2025 |
- CLIENT: M/S.RAINAQ FOUNDATIONS
- PROJECT TITLE:



- DATE : 22-12-2025**
GOOD FOR CONSTRUCTION
- | REV | DESCRIPTION | BY | DATE |
|-----|-------------------|-----|------------|
| R2 | GENERALLY REVISED | TTR | 22-12-2025 |
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| R1 | GENERALLY REVISED | TTR | 30-09-2025 |
- CLIENT: M/S.RAINAQ FOUNDATIONS
- PROJECT TITLE:

IMPORTANT NOTES :
CONCRETE SHOULD BE CASTED MONOLITHICALLY FOR 900MM & 1000MM
RAFT SLAB THICKNESS.

BACKFILLING SOIL NOTES :
1. RELATIVE COMPACTION OF SUBGRADE SHOULD NOT BE LESS THAN 97% OF MAXIMUM LABORATORY DRY DENSITY (AS PER IS:2720 (PART 8))
2. DRY UNIT WEIGHT OF SUBGRADE SHOULD NOT BE LESS THAN 17.5 kN/m³ (AS PER IS:2720 (PART 8))

DATE : 22-12-2025
GOOD FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
R2	GENERALLY REVISED	TTR	22-12-2025
R1	GENERALLY REVISED	TTR	30-09-2025

CLIENT: M/S.RAINAQ FOUNDATIONS

PROJECT TITLE:

LIVERPOOL
MILK COLONY, MADHAVARAM.

ARCHITECTS
13.0.101.2013

ARCHITECTURE
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INTERIORS

DRG.NO 1699-AT-STR-B1-S-02

R2