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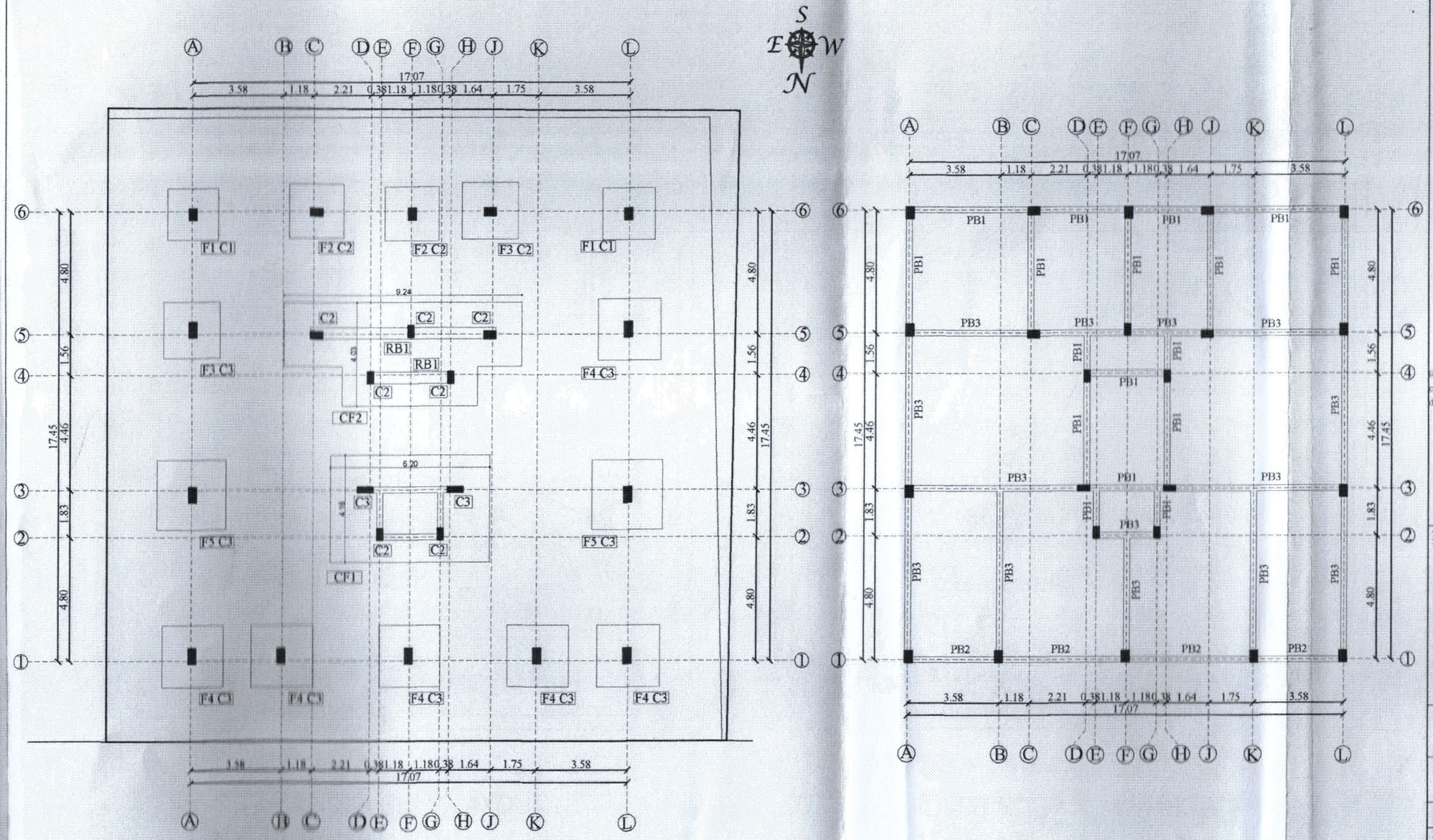
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996

Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™





Notes:

1. This drawing should be read along with architectural drawings.
2. Grade of R.C.C. Items shall be **M25 (1:1:2)** by design mix confirming to I.S.456–2000 unless otherwise specified.
3. Y Denotes TOR40 Steel confirming to I.S. 1786 – 1985 **Grade - Fe 500**
4. Clear cover to the main steel
   2" for Footings , Raft Beam , Raft Slab.
   1.5" for Columns.
   1" for Plinth beam, Lintel & Beams.
   0.5" for Sunshade & Slab.
5. Lap length shall be 50 d (Max.dia) for all bars.
6. ——————— Bottom Reinforcement
7. ——————— Top Reinforcement
8. Provide Continuous Chairs to keep the top Reinforcement in position
9. Provide Y8 at 12" as Distribution steel for all top Reinforcement.
10. Spacer Bar to be Provided in Between Two Layers Of Reinforcement of Same Dia at Every 3'-0" C/ C.
11. Not more than 40% of Reinforcement shall be Lapped at any particular junction.
12. Foundation is designed **As per Architectural Drawing.**
13. S.B.C.of Soil is taken as **25.0 t/m^2** **Depth - 2.00M**
14. Cantilever props should not be released until the roof is concreted.
15. Removal of formworks :
    i) for slabs :
    a. Slabs spanning upto 4.5 m { 15'-0" } – 7 days
    b. Slabs spanning over 4.5 m { 15'-0" } – 14 days
    ii) for beams and arches :
    c. Beams and arches spanning upto 6 m (20'-0") – 14 days
    d. Beams and arches spanning over 6 m (20'-0") – 21 days
16. For all Window openings 2" Th Sill Plate Should be Provided at Sill Lvl with 12" Bearing on either side of opening.
17. **All Reinforcement steel Should be coated with Anti-corrosive Paint before Use**
18. **Portable drinking water should be used for Complete Structure**

PROJECT :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 12 DWELLING UNITS (WITH HEIGHT 18.00M) AVAILING PREMIUM FSI AT OLD DOOR NO. C/F5, NEW DOOR NO. 4/F5, 56th STREET, ASHOK NAGAR, CHENNAI-600083 AND COMPRISED IN S. NO. 223/3 Part, 4 & 5 Part, AS PER PATTA NEW T.S. NO. 50 IN BLOCK NO. 72 OF KODAMBAKKAM VILLAGE, MAMBALAM TALUK AND WITHIN THE LIMITS OF GREATER CHENNAI CORPORATION.
ZONE:- X ; DIVISION:- 132.

Title: COLUMN, FOOTING LAYOUT
PLINTH BEAM LAYOUT

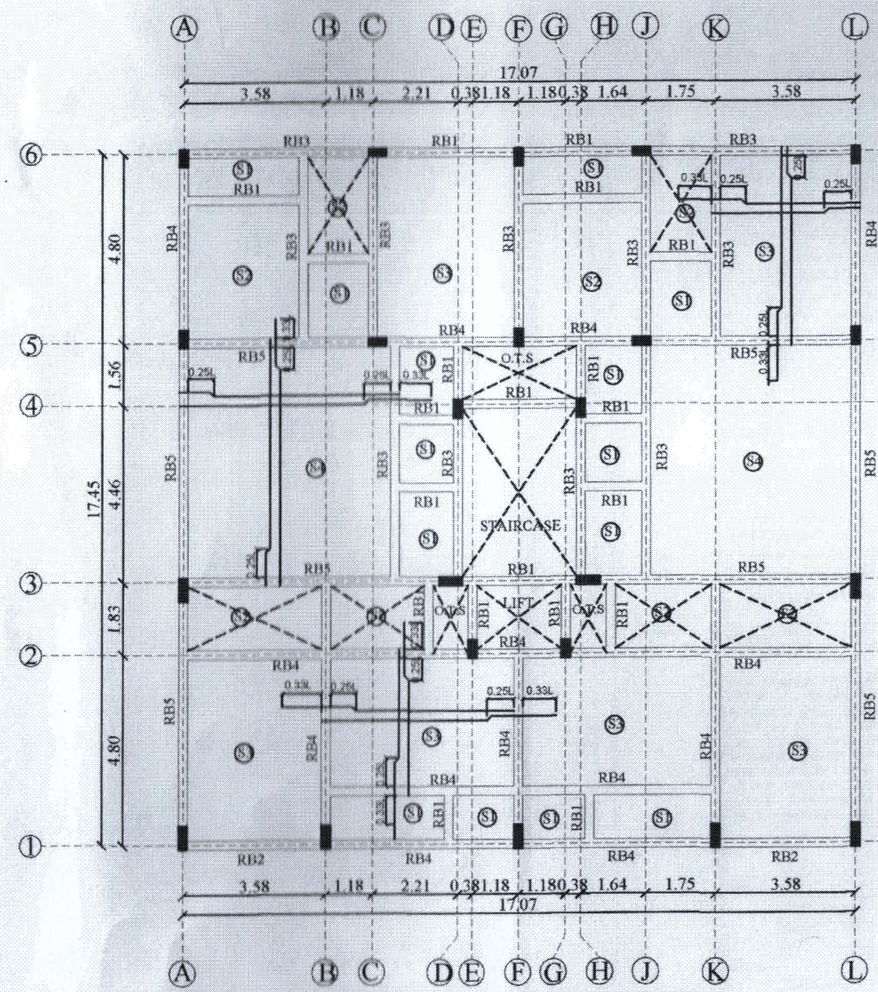
Date : 12-08-2022

Scale: 1:100 (or) 1" = 4'-0"

Design : S.Chandrasekar, M.Tech (Struct.)

STRUCTURAL CONSULTANTS

S.CHANDRASEKAR, M.Tech.,(Struc)
Structural Engineer
Regd No.:CMDA SE/GR.I 2022/03/308
No.17 Thiruvalluvar Nagar, 1st Cross Street,
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Cell 97899 13145 94448 04206

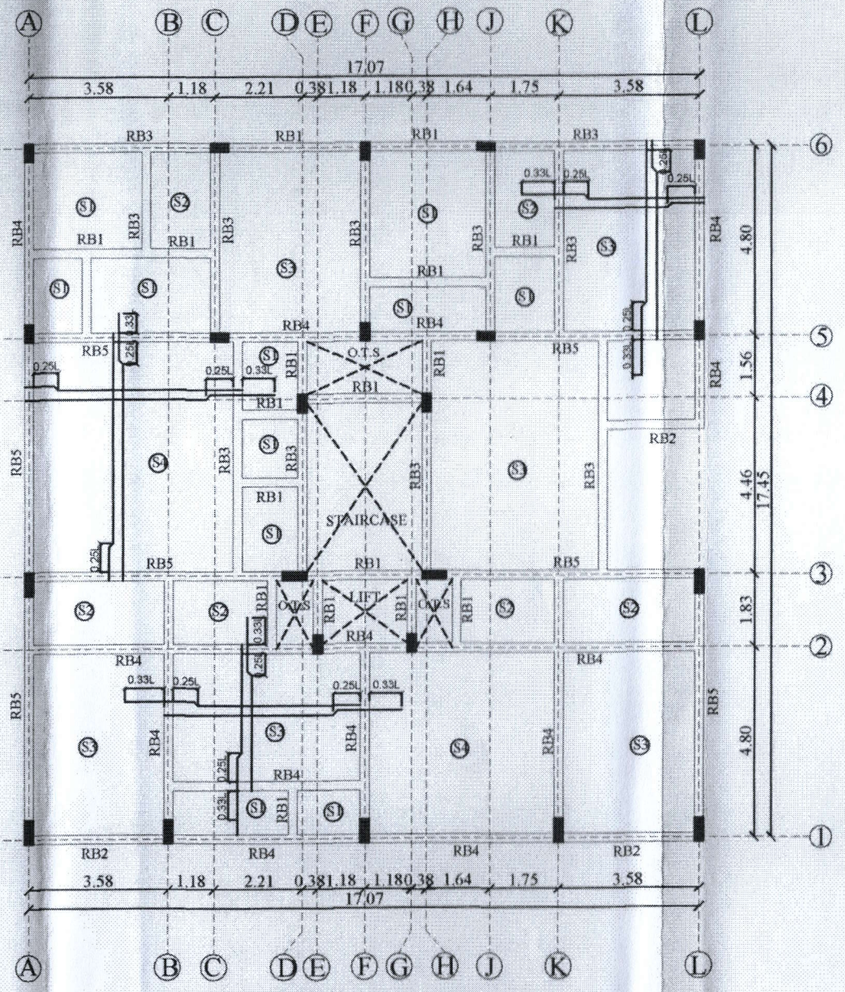


ROOF SLAB & BEAM LAYOUT

ALL SLAB 150 MM THK

TYPICAL FLOOR PLAN

(2nd to 4th FLOOR PLAN)



FIFTH FLOOR ROOF SLAB & BEAM LAYOUT

ALL SLAB 150 MM THK

Notes:

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13. S.B.C.of Soil is taken as 25.0 t/m^2 Depth - 2.00M
14. Cantilever props should not be released until the roof is concreted.
15. Removal of formworks :

i) for slabs :

a. Slabs spanning upto 4.5 m (15'-0") – 7 days
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ii) for beams and arches :

c. Beams and arches spanning upto 6 m (20'-0") – 14 days
d. Beams and arches spanning over 6 m (20'-0") – 21 days

16. For all Window openings 2" Th Sill Plate Should be Provided at Sill Lvl with 12" Bearing on either side of opening.
17. **All Reinforcement steel Should be coated with Anti-corrosive Paint before Use**
18. **Portable drinking water should be used for Complete Structure**

PROJECT :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT FLOOR + 5 FLOORS RESIDENTIAL BUILDING WITH 12 DWELLING UNITS (WITH HEIGHT 18.00M) AVAILING PREMIUM FSI AT OLD DOOR NO. C/F5, NEW DOOR NO. 4/F5, 56th STREET, ASHOK NAGAR, CHENNAI-600083 AND COMPRISED IN S. NO. 223/3 Part, 4 & 5 Part, AS PER PATTA NEW T.S. NO. 50 IN BLOCK NO. 72 OF KODAMBAKKAM VILLAGE, MAMBALAM TALUK AND WITHIN THE LIMITS OF GREATER CHENNAI CORPORATION.
ZONE:- X ; DIVISION:- 132.

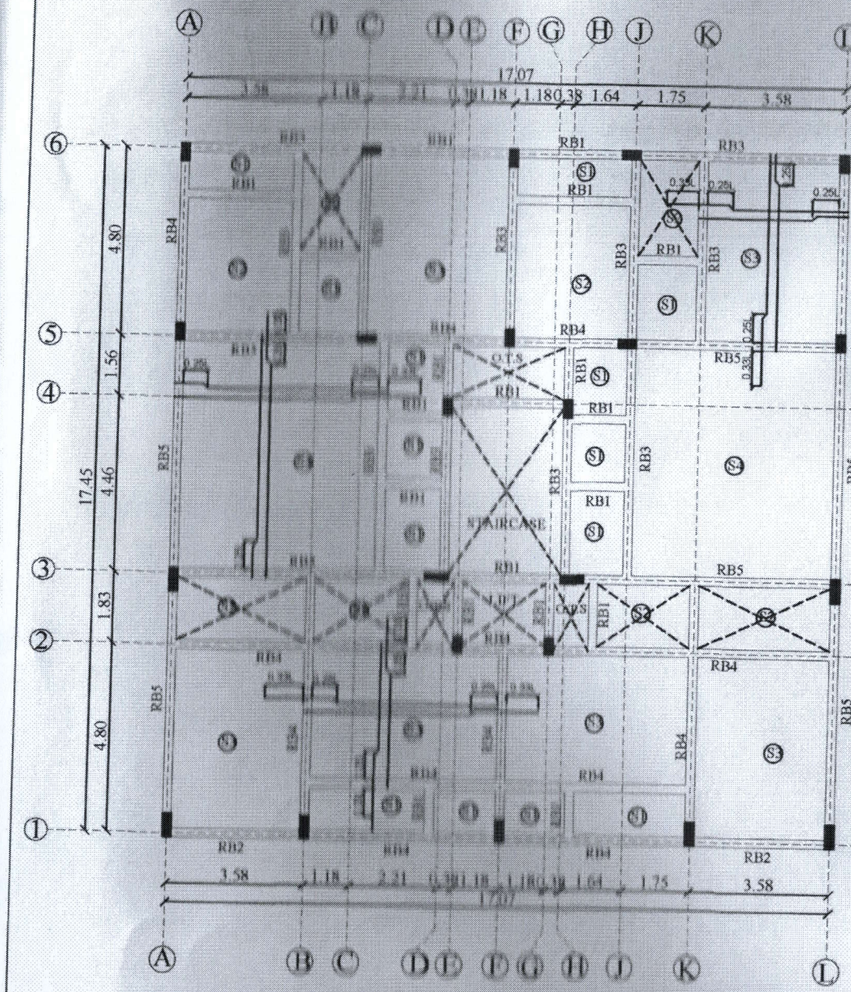
Title: COLUMN, FOOTING LAYOUT
PLINTH BEAM LAYOUT

Date : 12-08-2022	Scale: 1:100 (or) 1" = 4'-0"

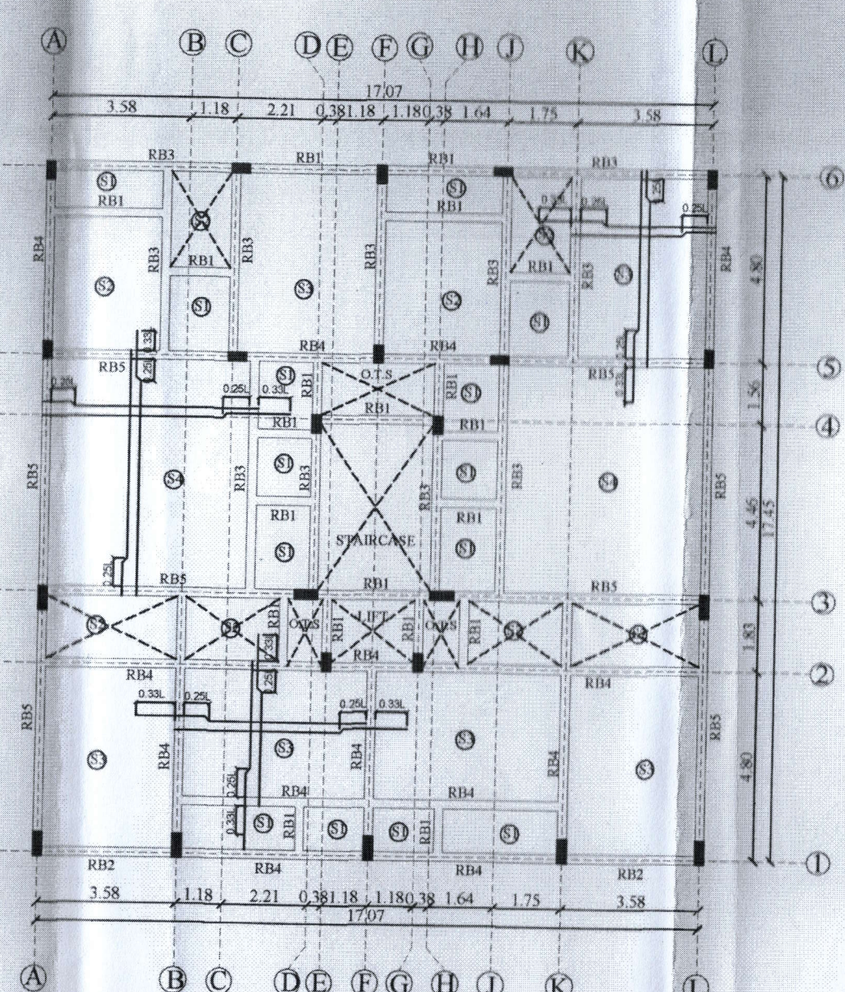
Design : S.Chandrasekar. M.Tech (Struct.)

STRUCTURAL CONSULTANTS

S.CHANDRASEKAR, M.Tech.,(Struc)
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Cell 97899 13145 94448 04206



STILT FLOOR ROOF SLAB & BEAM LAYOUT
ALL SLAB 150 MM THK



FIRST FLOOR ROOF SLAB & BEAM LAYOUT
ALL SLAB 150 MM THK

Notes:

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PROJECT :

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ZONE:- X ; DIVISION:- 132.

Title: COLUMN, FOOTING LAYOUT
PLINTH BEAM LAYOUT

Date : 12-08-2022

Scale: 1:100 (or) 1" = 4'-0"

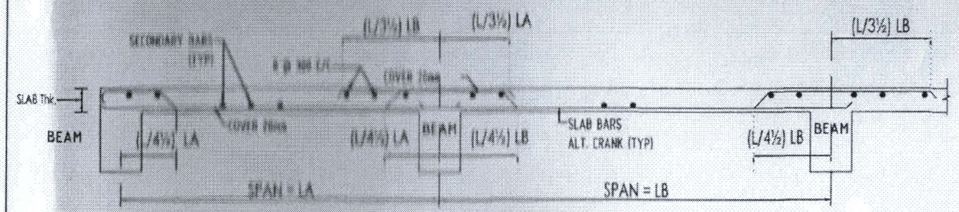
Design : S.Chandrasekar, M.Tech (Struct.)

STRUCTURAL CONSULTANTS

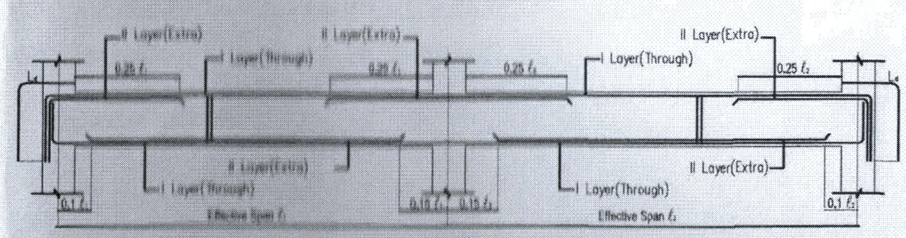
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Footing Schedule :

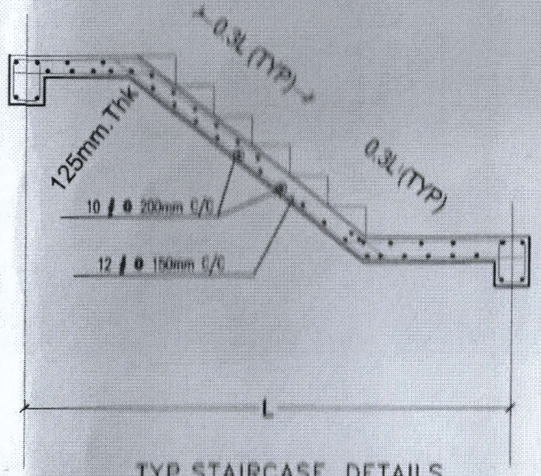
S.No	Footing Details	Excavation Size	Footing Size	Depth D	Footing Reinforcements
1.	F1	2.40 X 2.40	2.00 X 2.00	0.45	Y10 @ 125 c/c Both ways
2.	F2	2.60 X 2.60	2.10 X 2.10	0.45	Y12 @ 125 c/c Both ways
3.	F3	2.60 X 2.60	2.20 X 2.20	0.60	Y12 @ 125 c/c Both ways
4.	F4	2.60 X 2.60	2.40 X 2.40	0.75	Y12 @ 100 c/c Both ways
5.	F5	2.60 X 2.60	2.70 X 2.70	0.75	Y12 @ 100 c/c Both ways
6.	CF1	2.60 X 5.00	6.20 X 4.16	0.60	Y12 @ 125 c/c Both ways
7.	CF2	5.42 X 4.50	9.24 X 4.03	0.75	REFER LIFT WELL DETAILS



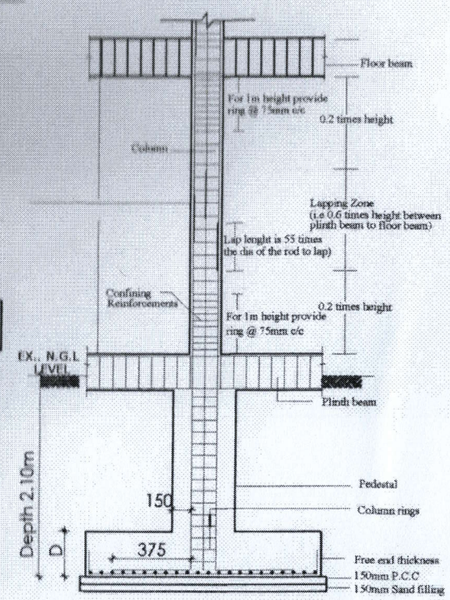
TYPICAL DETAILS OF SLAB CRANK POINT



FLOOR ROOF BEAM DETAILS



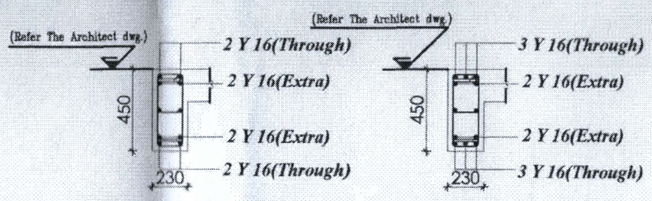
TYP.STAIRCASE DETAILS



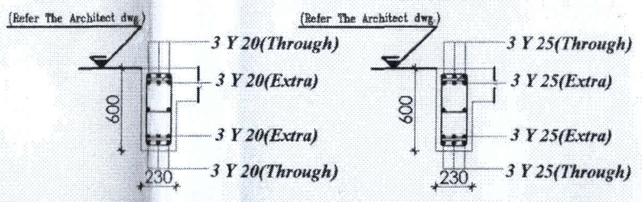
TYPICAL CROSS SECTION OF FOOTING AND COLUMN

Column Schedule :

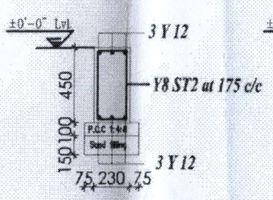
S.No.	Column Details	Column Shape	Stirrups
1.	C1 230 x 450	8 Y 16	Y8 at 150 c/c
2.	C2 300 x 450	10 Y 20	Y8 at 150 c/c
3.	C3 300 x 600	12 Y 20	Y8 at 150 c/c



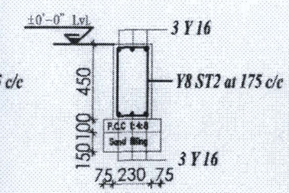
TYP.C.S OF ROOF BEAM - RB1 | TYP.C.S OF ROOF BEAM - RB2



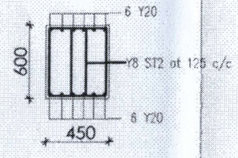
TYP.C.S OF ROOF BEAM - RB3 | TYP.C.S OF ROOF BEAM - RB4



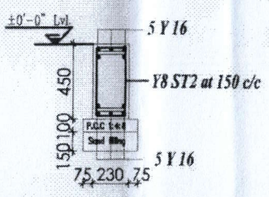
TYP. C.S of Plinth Beam - PB1



TYP. C.S of Plinth Beam - PB2



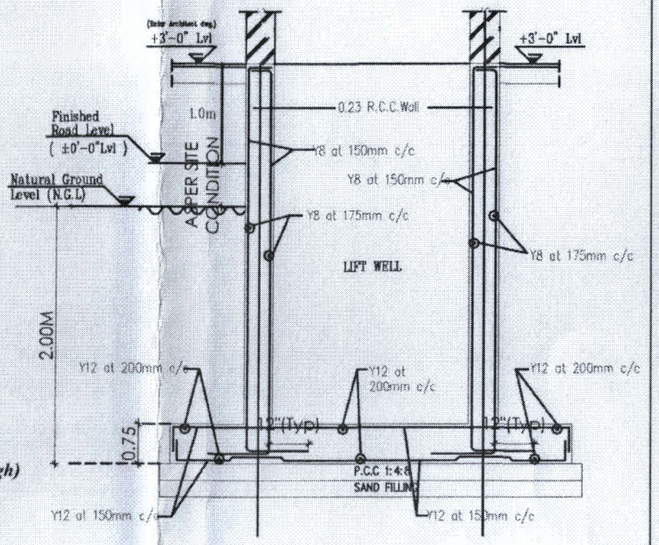
TYP. C.S of Strip Beam - SB1



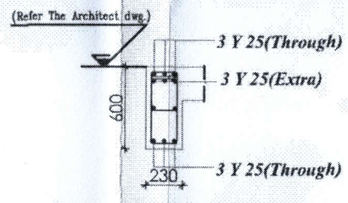
TYP. C.S of Plinth Beam - PB3

SCHEDULE OF SLAB

SLAB NO	SHORT SPAN	LONG SPAN
S1	8 ϕ @ 125 c/c	8 ϕ @ 125 c/c
S2	8 ϕ @ 100 c/c	8 ϕ @ 100 c/c
S3	10 ϕ @ 150 c/c	10 ϕ @ 150 c/c
S4	10 ϕ @ 100 c/c	10 ϕ @ 100 c/c



SECTION DETAILS FOR LIFT WELL



TYP.C.S OF ROOF BEAM - RB5

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ZONE:- X ; DIVISION:- 132.

Title:

COLUMN, FOOTING, PLINTH BEAM, STAIRCASE, ROOF BEAM DETAILS

Date : 09-06-2022

Scale: 1:100 (or) 1" = 4'-0"

Design : S.Chandrasekar. M.Tech (Struct.)

STRUCTURAL CONSULTANTS

S.CHANDRASEKAR, M.Tech.,(Struct)
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