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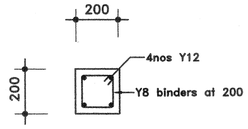
3/350/2 Mettukuppam,
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Official Property Record

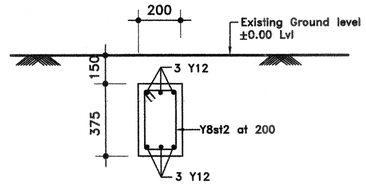


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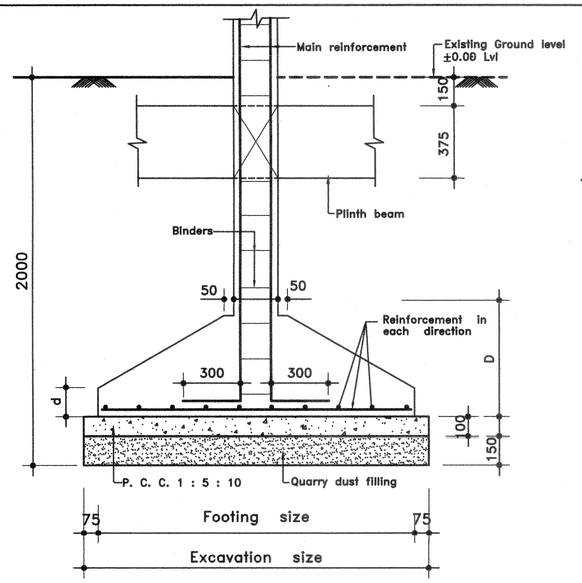
C. s. of stub column

200 X 200

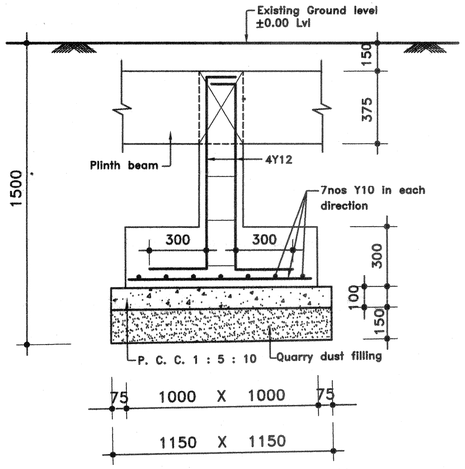


C. s. of plinth beam

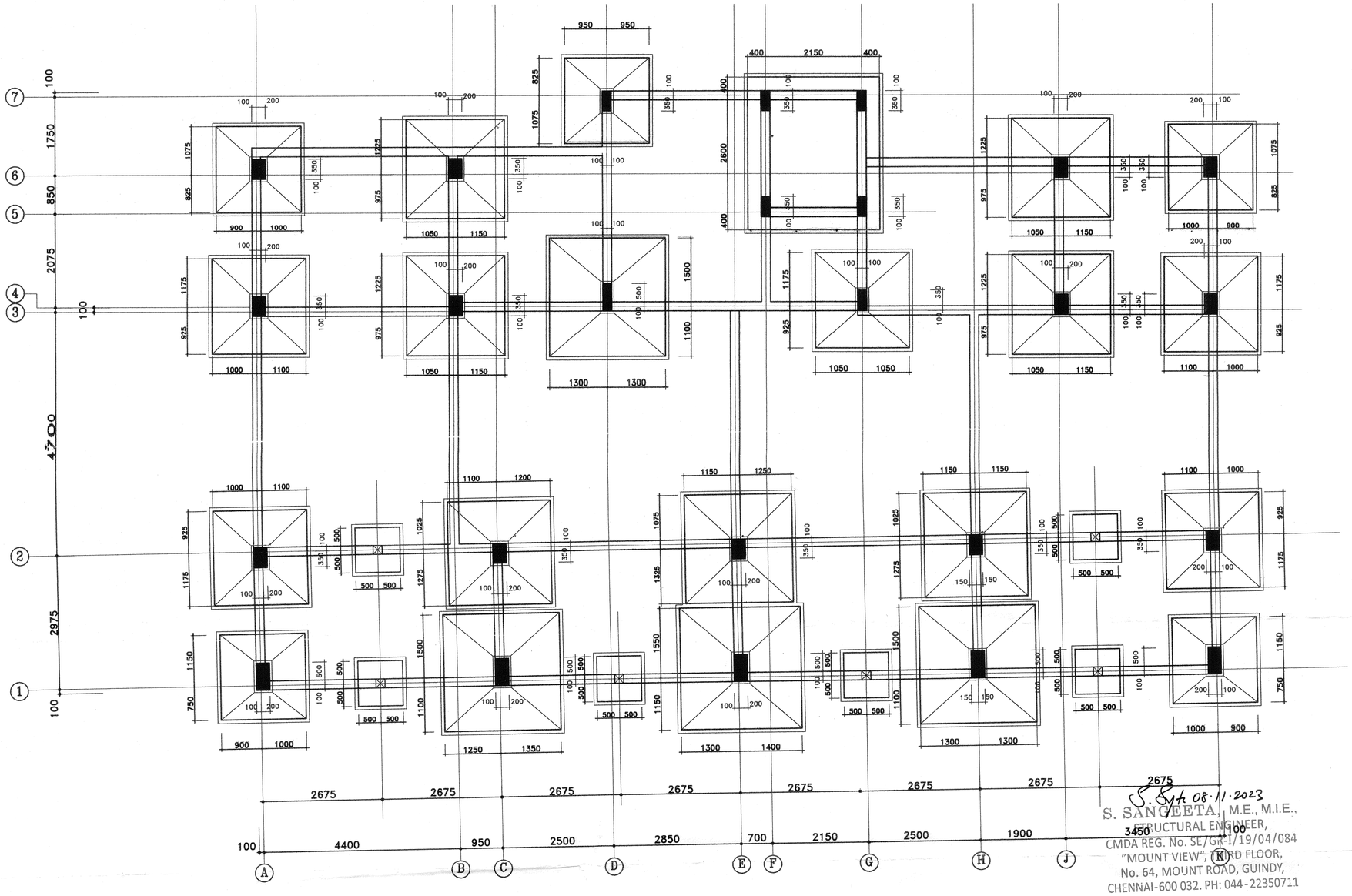
200 X 375



Typical details of column footing



Typ. det. of stub column footing



Lay out of foundation

S. Sgt 08.11.2023
S. SANGEETA, M.E., M.I.E.,
STRUCTURAL ENGINEER,
CMDA REG. No. SE/GR-1/19/04/084
"MOUNT VIEW"; (K)RD FLOOR,
No. 64, MOUNT ROAD, GUINDY,
CHENNAI-600 032. PH: 044-22350711

Notes:

1. This drawing should be read along with the architectural drawings
2. Grade of concrete for all Rcc items of work unless otherwise specified shall be M25.
3. Clear cover to steel shall be
   - 50mm for footings
   - 40mm for columns
   - 25mm for R.c.wall & beams
   - 15mm for slabs
4. 'Y' Denotes Fe500 steel conforming to I.S 1786 – 1985
5. Lap length for all bars shall be 50 times the dia of the bars.
7. Foundation is designed for Stilt + 5 upper floors only.
8. Safe bearing capacity of soil assumed as 250 KN/m² as per soil test report.

Project: Residential Building, At Besant nagar, Chennai –600 090.		Scale: 1 : 50.	Consultant & Project Management: LANCOR HOLDINGS PVT. LTD. No 58, G.N.Chetty road, T.Nagar, Chennai –600 017. Arihent, VTN Square, 2nd floor,	Architects: NATARAJ & VENKAT ASSOCIATES. No: 18 , 3rd, Seaward Road, Valmiki Nagar, Thiruvanmiyur, Chennai – 600 041.	Structural Consultant: V. SANGAMESWARAN CONSULTING ENGINEERS 'MOUNT VIEW' Third floor 64, Mount road, Guindy, Chennai – 600 032.
		Date: 6. November. 2023.			

Details of Foundation (1/2)

Designed	Drawn	Checked	Job. No.	Drg. No.
S.Sangeeta	S.Vijayalakshmi	S.S	2943	S1

Schedule of Footings

Sl.no.	C o l u m n s	No.off	Excavation size	Footing size	Depth D	Depth d	Reinforcement in each direction
1	C1 C2 D4 E1	4	2750 X 2750	2600 X 2600	900	150	16nos – Y12
2	E2	1	2550 X 2550	2400 X 2400	900	150	15nos – Y12
3	H1 H2	2	2450 X 2450	2300 X 2300	750	150	15nos – Y12
4	B3 B6 G4 J3 J6	5	2350 X 2350	2200 X 2200	750	150	14nos – Y12
5	A2 A3 K2 K3	4	2250 X 2250	2100 X 2100	600	150	14nos – Y10
6	A1 A6 D7 K1 K6	5	2050 X 2050	1900 X 1900	600	150	12nos – Y10
7	F5 – F7 – G5 – G7	4	3100 X 3550	2950 X 3400	See separate detail		

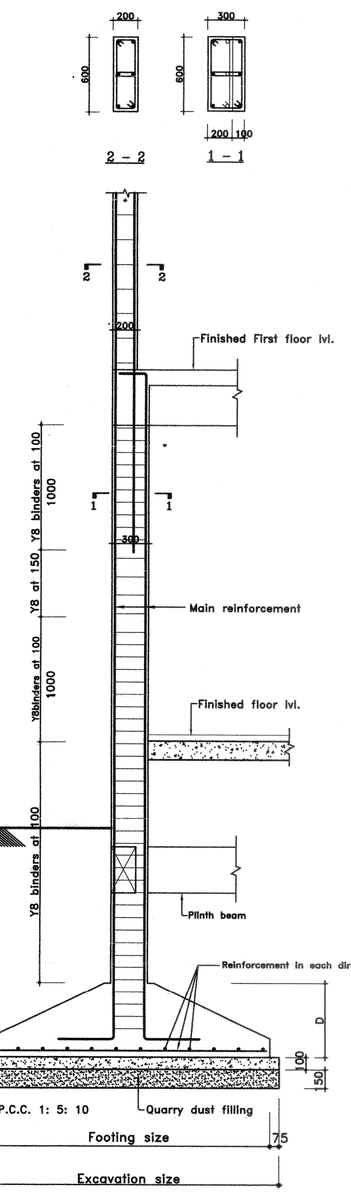
Schedule of Columns

Sl.no.	C o l u m n s	No.off	S i z e	Cross section	Main reinforcement	B i n d e r s
1	C1 H1	2	300 X 600		10 nos – Y25	Y8 at 200
2	E1	6	300 X 600		8 nos – Y25	Y8 at 200
3	A1 K1	2	300 X 600		6 nos – Y25	Y8 at 200
4	D4	1	200 X 600		8 nos – Y25	Y8 at 200
5	A6 B6 C2 E2 H2 J6 K6	7	300 X 450		6 nos – Y25	Y8 at 200
6	A2 A3 B3 J3 K2 K3	6	300 X 450		6 nos – Y20	Y8 at 200
7	D7 F5 F7 B3 J3 K3	6	200 X 450		6 nos – Y20	Y8 at 200

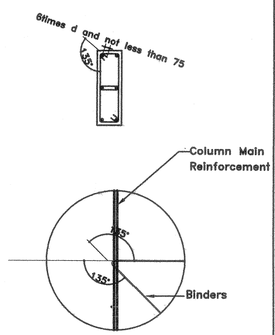
NOTES:

1. All hooks should be bent to an angle of 135 degree with a length 6 times the dia of column main rod and not less than 75.
2. Grade of concrete for all R.C.C. items of work shall be M25.
3. Lap length for all bars shall be 50 times the dia of the bars.
4. At any cross section of the member not more than 50 % of the bars should be lapped.
5. Laps shall be staggered with a minimum centre to centre distance of 1.3 times lap length of the bar in tendion and compression.
6. Laps in columns shall be provided at mid height and not at slab level.

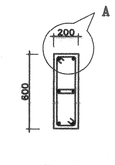
S. Sgta 08.11.2023
S. SANGEETA, M.E., M.I.E.,
STRUCTURAL ENGINEER,
CMDA REG. No. SE/GR-I/19/04/084
"MOUNT VIEW" THIRD FLOOR
NO. 64, MOUNT ROAD, GUINDY
CHENNAI-600 032. PH: 044-22350711



Splicing details for column bars

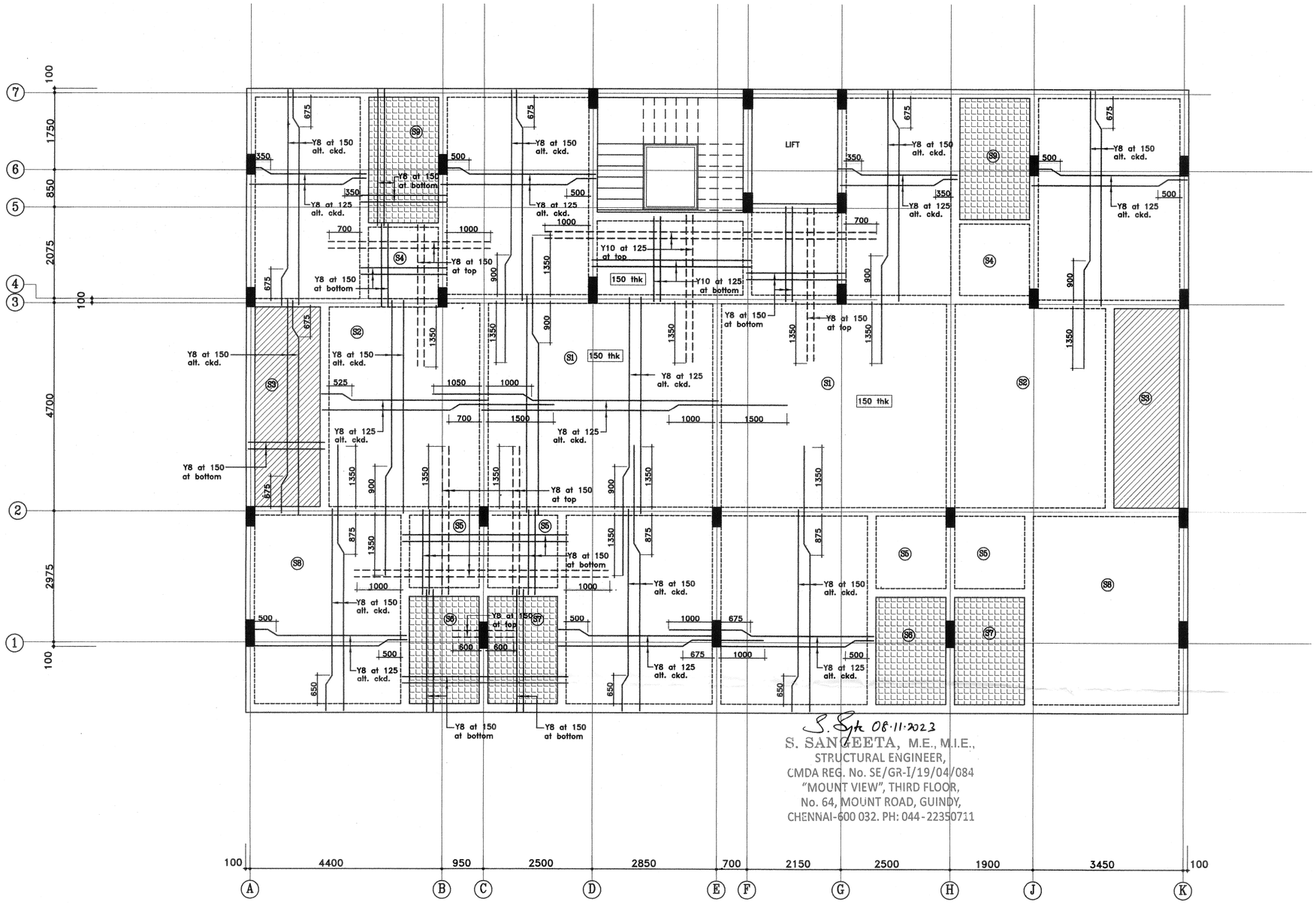


Detail At A



2 – 2

Project		Scale:	Consultant & Project Management	Architects	Structural Consultant	Details of Foundation (2/2)				
Residential Building At Besant nagar, Chennai –600 090.		1 : 50.	LANCOR HOLDINGS PVT. LTD. No 58, G.N.Chetty road, T.Nagar, Chennai –600 017. Arihant, VTN Square, 2nd floor,	NATARAJ & VENKAT ASSOCIATES. No: 18 , 3rd, Seaward Road, Valmiki Nagar, Thiruvanmiyur, Chennai – 600 041.	V. SANGAMESWARAN CONSULTING ENGINEERS 'MOUNT VIEW' Third floor 64, Mount road, Guindy, Chennai – 600 032.	Designed	Drawn	Checked	Job. No.	Drg. No.
		Date: 7. November. 2023.				S.Sangeeta	S.Vijayalakshmi	S.S	2943	S2



S. Sgt 08.11.2023

S. SANGEETA, M.E., M.I.E.,
STRUCTURAL ENGINEER,
CMDA REG. No. SE/GR-I/19/04/084
"MOUNT VIEW", THIRD FLOOR,
No. 64, MOUNT ROAD, GUINDY,
CHENNAI-600 032. PH: 044-22350711

Lay-out of Ttpical floor slabs and beams

Slab sunk by 250mm

Slab sunk by 150mm

All slabs 125mm thick unless otherwise specified

Project: Residential Building, At Besant nagar, Chennai –600 090.		Scale: 1 : 50.	Consultant & Project Manegement: LANCOR HOLDINGS PVT. LTD. No 58, G.N.Chetty road, T.Nagar, Chennai –600 017. Arihent, VTN Square, 2nd floor,	Architects: NATARAJ & VENKAT ASSOCIATES. No: 18 , 3rd, Seaward Road, Valmiki Nagar, Thiruvanmiyur, Chennai – 600 041.	Structural Consultant: V. SANGAMESWARAN CONSULTING ENGINEERS 'MOUNT VIEW' Third floor 64, Mount road, Guindy, Chennai – 600 032.	Details of Typical floor slabs and beams	
		Date: 7. November. 2023.				Designed: S.Sangeeta	Drawn: S.Vijayalakshmi
						Checked: S.S	Job. No.: 2943
							Drg. No.: ST

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Vastu & Property Management Tools

Home Vastu Shastra, Plot Vastu Shastra, Property Management

Verified RealEstate™

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We're honored to be part of your
real estate journey

3/350/2 Mettukuppam,
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+91 9996 12 9996
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