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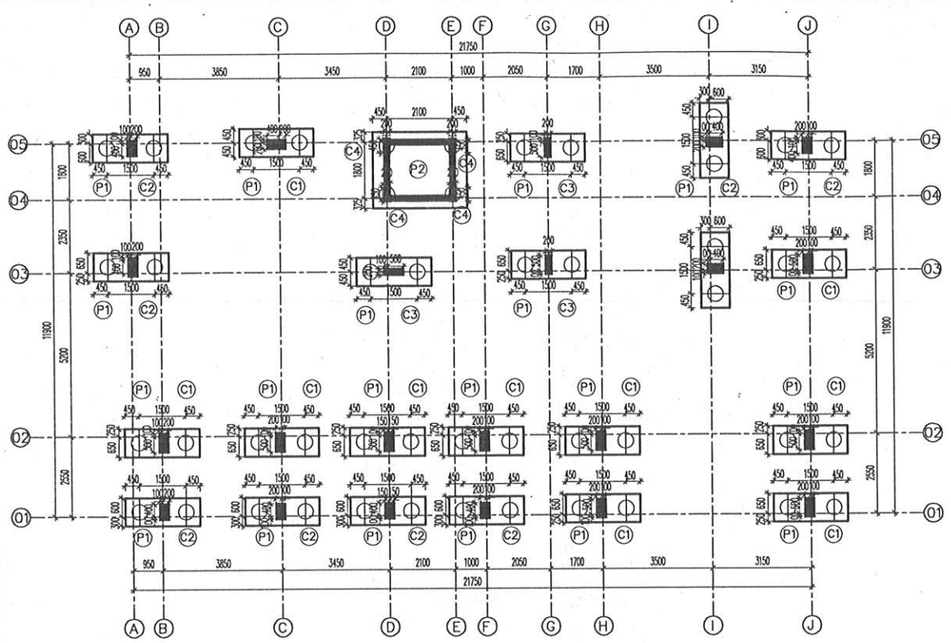
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996

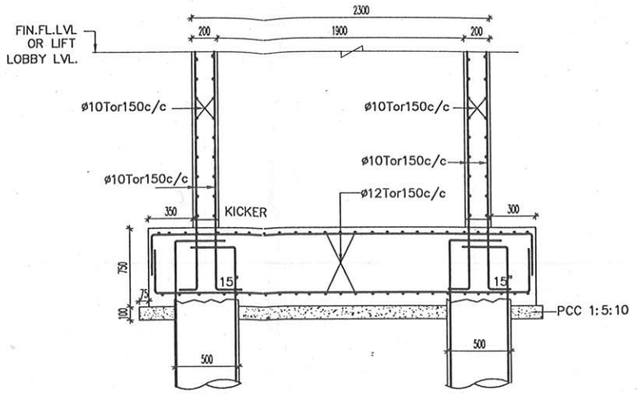
Official Property Record

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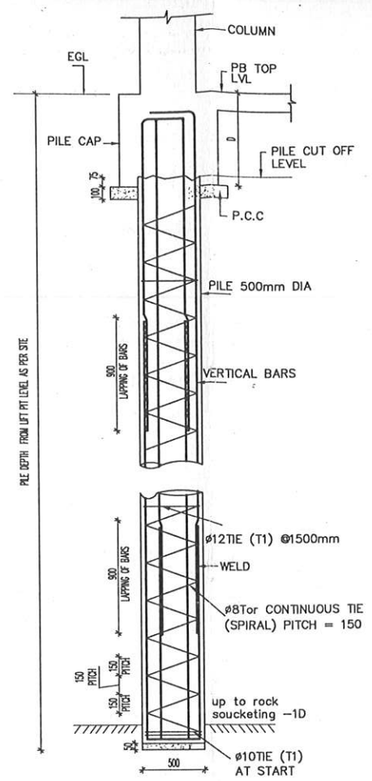




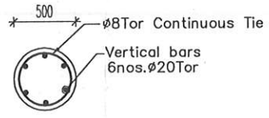
PILE FOUNDATION LAYOUT



(LIFT PIT– PILE GROUPS–P2) (TYPICAL)



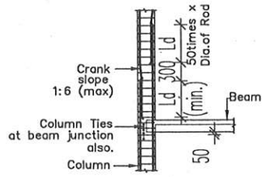
DETAIL OF PILE
BORED CAST IN SITU PILE(500ø)



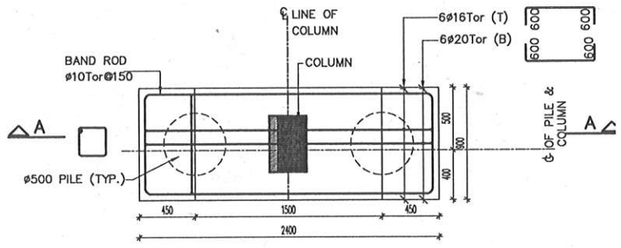
C.S.OF PILE

SCHEDULE OF COLUMNS
(CONCRETE GRADE – M30)

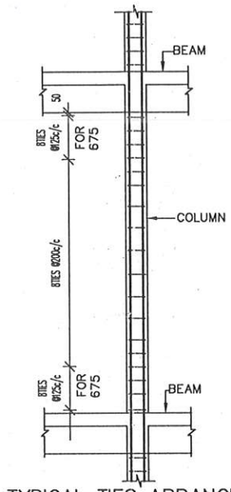
TYPE	COLUMN REINFORCEMENT						
	GROUND FLOOR	1ST FLOOR	2ND FLOOR	3RD FLOOR	4TH FLOOR	5TH FLOOR	STIRRUPS
C1	12–ø20 (300 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	ø8Tor
C2	10–ø20 (300 / 500)	10–ø20 (200 / 500)	10–ø20 (200 / 500)	10–ø20 (200 / 500)	10–ø20 (200 / 500)	10–ø20 (200 / 500)	ø8Tor
C3	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	12–ø20 (200 / 600)	ø8Tor
C4	8–ø20 (200 / 450)	8–ø20 (200 / 450)	8–ø20 (200 / 450)	8–ø20 (200 / 450)	8–ø20 (200 / 450)	8–ø20 (200 / 450)	ø8Tor



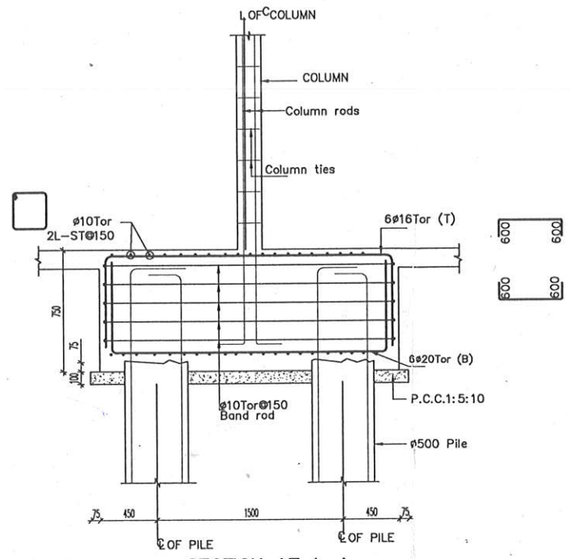
SPLICE WITH UPPER BARS CRANKED INTO POSITION INSIDE LOWER BARS



PLAN OF –PC1 FOR P1
TWO PILE CAP (TYPICAL–NTS)



TYPICAL TIES ARRARNGEMENT IN COLUMN



SECTION AT A–A

Notes :

1. All dimensions are in millimetres.
2. This drawing shall be read in conjunction with relevant architectural drawing.
3. All dimensions shall be checked and verified before execution of works.
4. Concrete mix as shown :
   for Pile – M40 (Cement Content 400 kg/m3)
   for Pile Cap & PB – M35 (Cement Content 380kg/m3)
   * Contractor / Client shall send us cube test results to substantiate the concrete mix grade.
   * If ready mixed concrete is being used, client/contractor shall cast concrete cubes independently at site and send cube results thus obtained to us.
5. Reinforcement : TOR STEEL for ø8mm & above conforming to IS 1786 (latest revision)
6. Clear concrete cover to main bars :
   for footings – 50mm ; for columns – 40mm;
   for pile – 50mm , for pile cap – 75mm ;
   For plinth beams – 25mm
7. Use stone aggregates and sand conforming to IS 383(latest revision)
   stone aggregate size – 20mm and down grade
8. Use good water for concrete mixing and curing conforming to IS 456(latest revision)
10. Use ordinary portland cement conforming to IS 8112 (latest revision) for 43 grade cement & IS 12269 (latest revision) for 53 grade cement.
11. Piles shall be bored and under reamed as accurately as possible.
12. For construction of piles (Boring and under reaming control of alignment, method of concreting, finishing pile heads, estimation of concrete quantity, etc.) Refer I.S 2911 (PART–III) latest edition.
13. The centering and shuttering to support structural concrete must be sufficiently strong and rigidly braced.Horizontal ties shall be provided at every 1.5m height.
14. The stability of supports and strength of the centering and formwork should be ensured by the Contractor and Site Engineer before placing concrete.
15. Piles are designed for loads from G floor+ 5 floors+weight of pile cap.

–	–	–	–	XXX
REV.	DATE	REVISION NOTE NO	SIGN	CHKD

PILE FOUNDATION LAYOUT

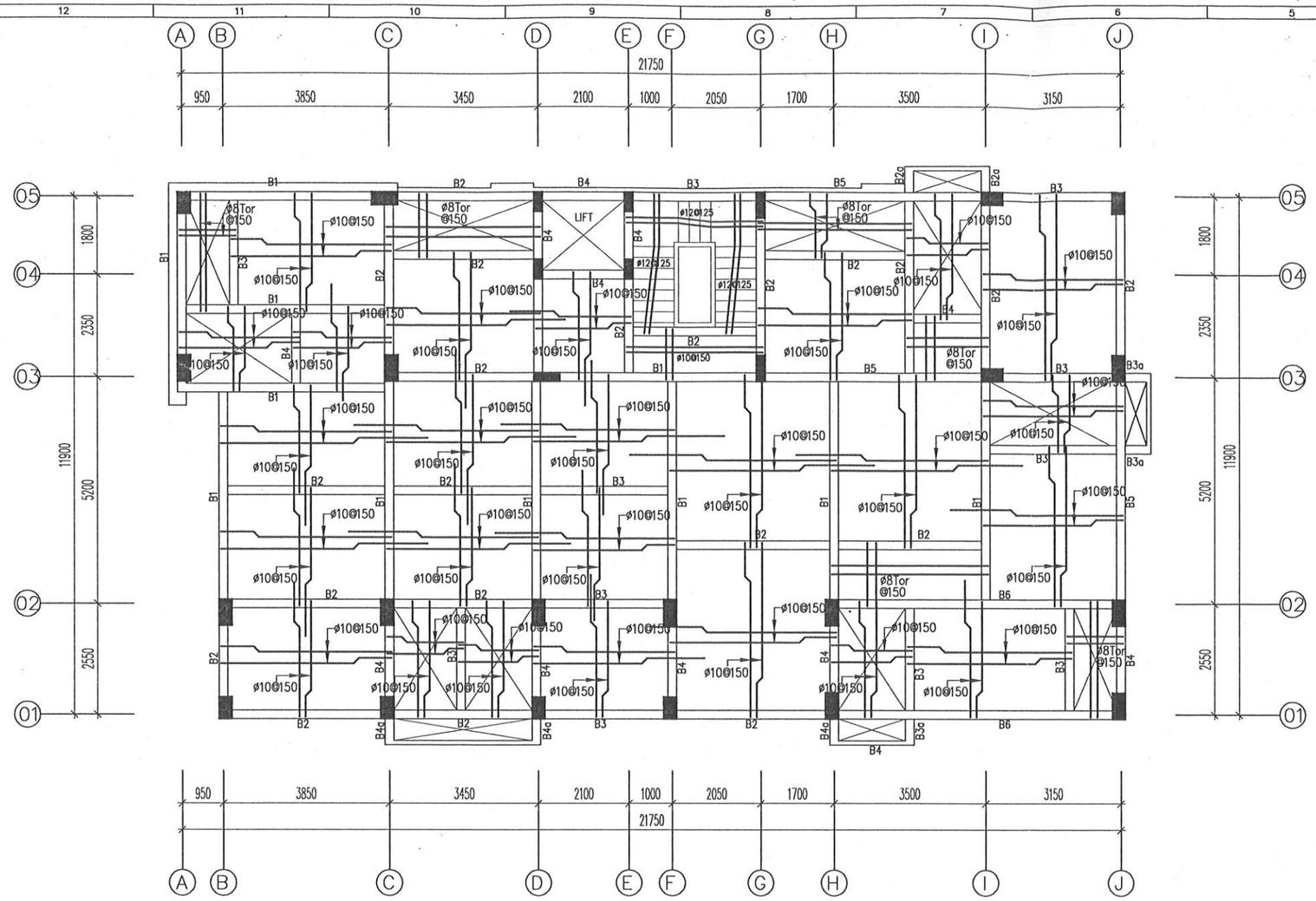
JOB NO : –	DRAWN : –
DRG.NO: 01	DESIGNED : –
DATE : –	

PROJECT :

PLAN SHOWING THE PROPOSED CONSTRUCTION OF STILT + 5 FLOORS RESIDENTIAL BUILDING WITH 10 DWELLING UNITS AT PLOT NOS: 85 AND 86, NEW DOOR NO: 17, OLD DOOR NOS: 85 AND 86, A.V.M. AVENUE 4TH STREET, VIRUGAMBAKKAM, CHENNAI - 600092. COMPRISED ON T.S.NO: 69, BLOCK NO: 16, VIRUGAMBAKKAM VILLAGE, MAMBALAM GUINDY TALUK, CHENNAI DISTRICT, GREATER CHENNAI CORPORATION, DIVISION NO: 128, ZONE NO: 10.

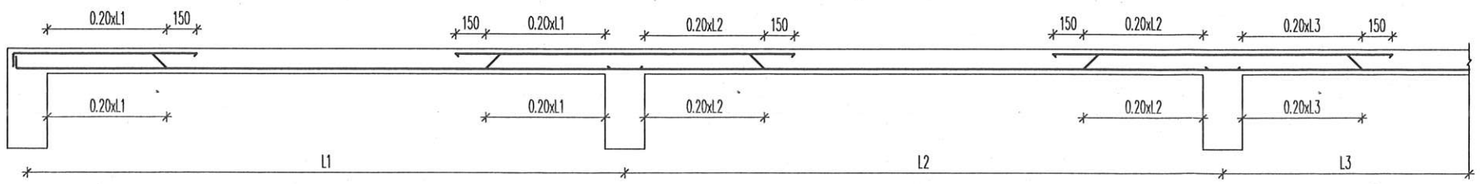
STRUCTURAL CONSULTANT

Er. P. RAMAN, B.E (CIVIL), M.E (Struct), M.I.E., C.Engg.,
Registered Structural Engineer Grade - I (SE)
CMDA Registration No: SE/GR - I/19/02/006
S.S Maniens Apartments,
No.5/13, Thambiah Road Extn.,
West Mambalam, Chennai-600 033.

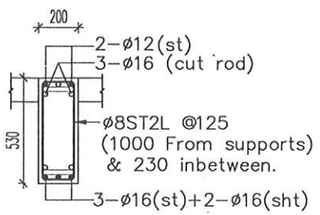


SLAB BEAM LAYOUT

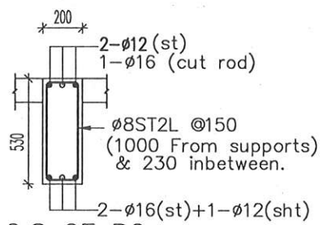
ALL SLAB THICKNESS IS 125MM, UNLESS SPECIFIED.



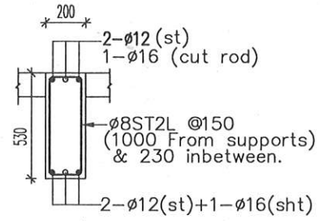
TYPICAL SLAB ROD BENDING DETAILS.



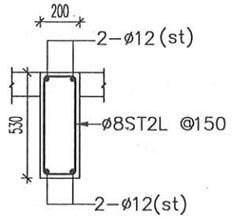
C.S OF B1



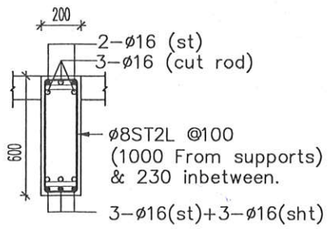
C.S OF B2



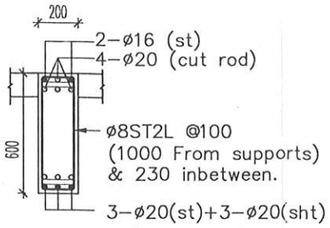
C.S OF B3



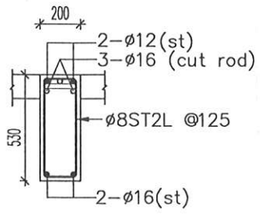
C.S OF B4



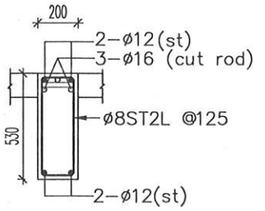
C.S OF B5



C.S OF B6



C.S OF B2a



C.S OF B3a/B4a

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REV.	DATE	REVISION NOTE NO	SIGN	CHKD

SLAB BEAM LAYOUT

JOB NO : –	DRAWN : –
DRG.NO: 02	DESIGNED : –
DATE : –	

PROJECT :

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