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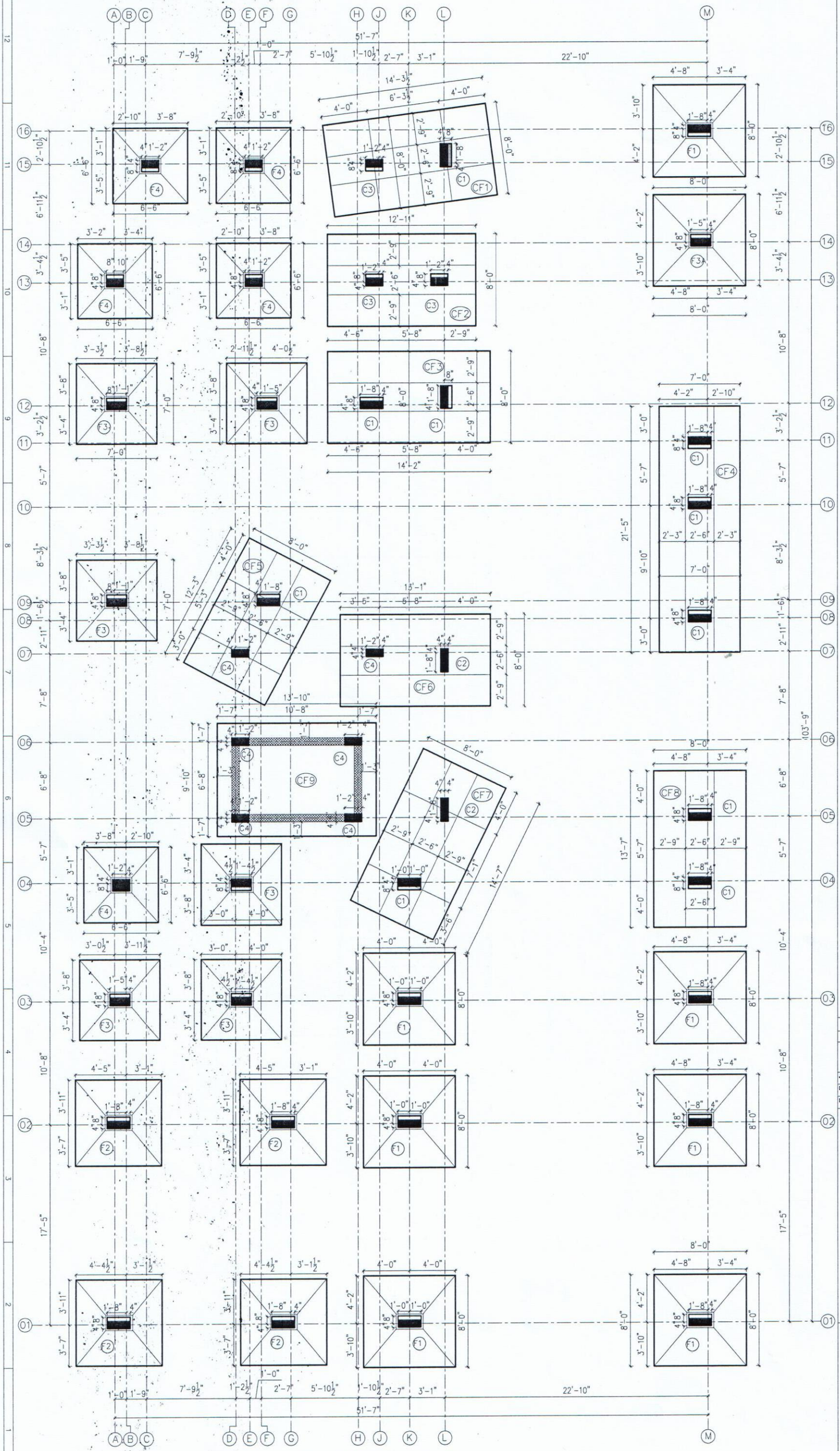
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

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NOTES:

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2. This drg shall be read in conjunction with relevant architectural drawings
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6. REINFORCEMENT :
   TOR STEEL for ø8mm & above conforming to IS 1786 (latest revision)
7. Clear concrete cover to main bars :
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   For Raft Beam : 75mm,For Raft slab : 50mm
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REV.	DATE	REVISION NOTE NO	SIGN	CHKD
-	-	-	-	-

FOUNDATION LAYOUT

JOB NO : -	DRAWN : -
DRG.NO: S-01	DESIGNED : -
DATE : -	

PROJECT :

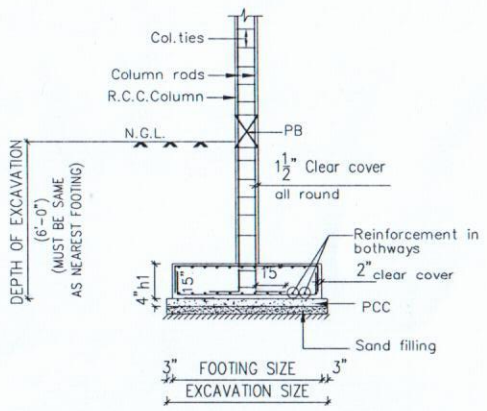
PLAN SHOWING THE PROPOSED RESIDENTIAL APARTMENTS STILT+5 FLOOR BUILDING AT PERUMALPURAM, TIRUNELVELI.

STRUCTURAL CONSULTANT

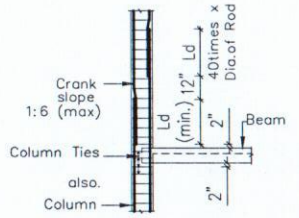
Er. P. RATHAN, B.E (Civil), M.E (Struct), M.I.E., C.Engg.,
Registered Structural Engineer Grade-I (SE)
DTCP Reg No: CGLRGN/SE/GR-I/2019/07/022
S.S. Manians Apartment,
No.5/13, Thambiah Road Extn.,
West Mambalam, Chennai-600 033.

SCHEDULE OF FOOTING & SCHEDULE OF COLUMNS (MIX: 30)

TYPE	FOOTING SIZE	DEPTH	FOOTING REINFORCEMENT		COLUMN REINFORCEMENT						
		h1	L	B	GROUND FLOOR	1st FLOOR	2nd FLOOR	3rd FLOOR	4th FLOOR	5th FLOOR	STIRRUPS
F1	8'-0"X8'-0"	21"	TOP ø10Tor@8" / BOTTOM ø12Tor@4"	TOP ø10Tor@8" / BOTTOM ø12Tor@4"	12-ø20	12-ø20	8-ø20+4ø16(b)	8-ø20+4ø16(b)	12ø16	12ø16	ø8Tor
F2	7'-6"X7'-6"	21"	TOP ø10Tor@8" / BOTTOM ø12Tor@4"	TOP ø10Tor@8" / BOTTOM ø12Tor@4"	8-ø20+4ø16(b)	8-ø20+4ø16(b)	8-ø20+4ø16(b)	12ø16	12ø16	12ø16	ø8Tor
F3	7'-0"X7'-0"	21"	TOP ø10Tor@10" / BOTTOM ø12Tor@5"	TOP ø10Tor@10" / BOTTOM ø12Tor@5"	10ø16	10ø16	10ø16	10ø16	10ø16	10ø16	ø8Tor
F3A	8'-0"X8'-0"	21"	TOP ø10Tor@10" / BOTTOM ø12Tor@5"	TOP ø10Tor@10" / BOTTOM ø12Tor@5"	10ø16	10ø16	10ø16	10ø16	10ø16	10ø16	ø8Tor
F4	6'-6"X6'-6"	18"	TOP ø10Tor@8" / BOTTOM ø12Tor@4"	TOP ø10Tor@8" / BOTTOM ø12Tor@4"	4-ø20+4-ø16	4-ø20+4-ø16	8-ø16	8-ø16	8-ø16	8-ø16	ø8Tor
C1	COMBINED FOOTING & LIFT REFER SECTION DETAIL.				12-ø20	12-ø20	8-ø20+4ø16(b)	8-ø20+4ø16(b)	12ø16	12ø16	ø8Tor
C2					12-ø20	12ø16	12ø16	12ø16	12ø16	12ø16	ø8Tor
C3					4-ø20+4-ø16	4-ø20+4-ø16	8-ø16	8-ø16	8-ø16	8-ø16	
C4					8-ø16	8-ø16	4-ø16+4-ø12	4-ø16+4-ø12	4-ø16+4-ø12	4-ø16+4-ø12	



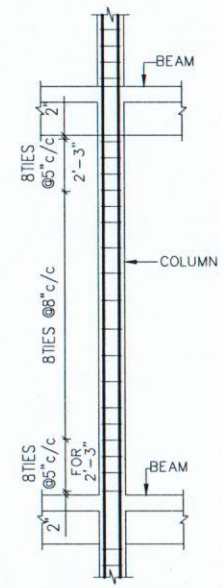
VERTICAL SECTION THROUGH COLUMN FOOTING FOR TAPPER



SPLICE WITH UPPER BARS CRANKED INTO POSITION INSIDE LOWER BARS

NOTE:

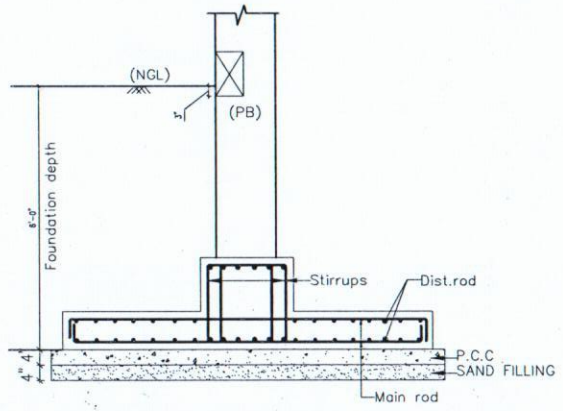
(St)–Straight Rod
(4L–ST)–4Legged Stirrups



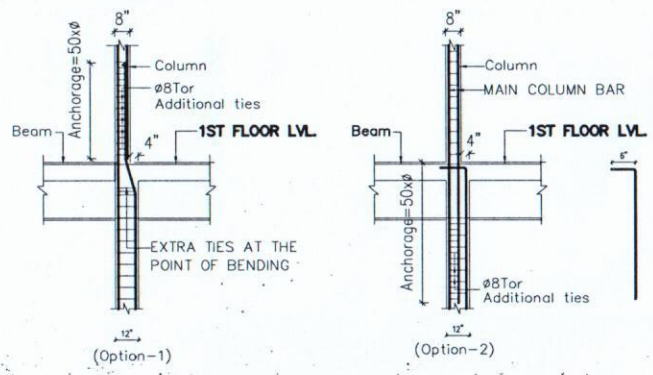
TYPICAL TIES ARRANGEMENT IN COLUMN

NOTES:

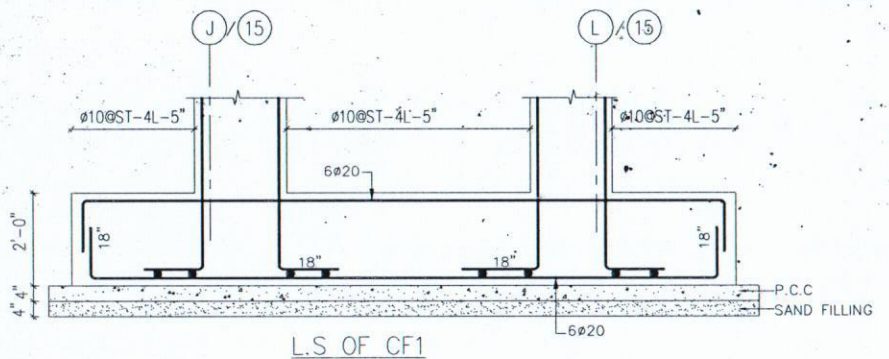
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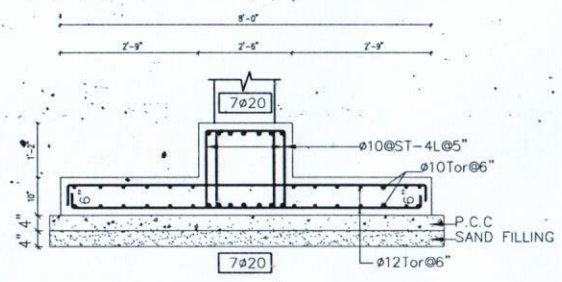
TYPICAL VERTICAL SECTION (COMBINED FOOTING)



ANCHORAGE DETAIL FOR REDUCTION IN SIZE OF COLUMN AT 1ST FLOOR LEVEL

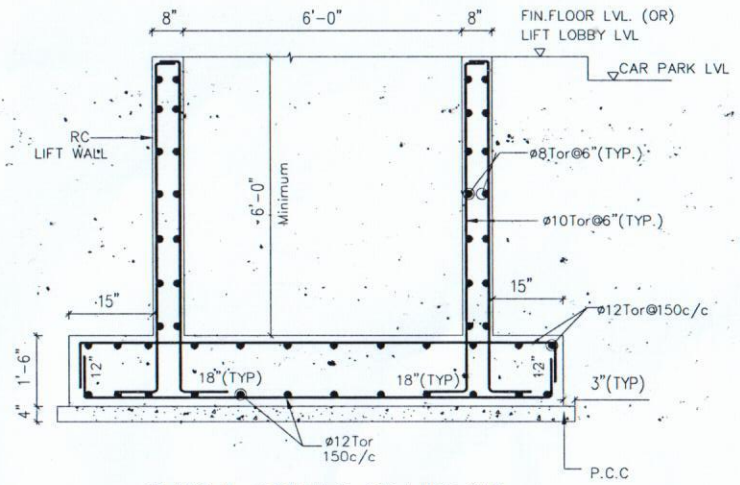


L.S OF CF1



C.S OF COMBINED FOOTING–CF1

SAME STEEL DETAILS FOLLOW FOR CF2 TO CF8



TYPICAL DETAILS OF LIFT PIT COMBINED FOOTING–CF9

REV.	DATE	REVISION NOTE NO	SIGN	CHKD
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COLUMN SCHEDULE AND FOOTING DETAILS.

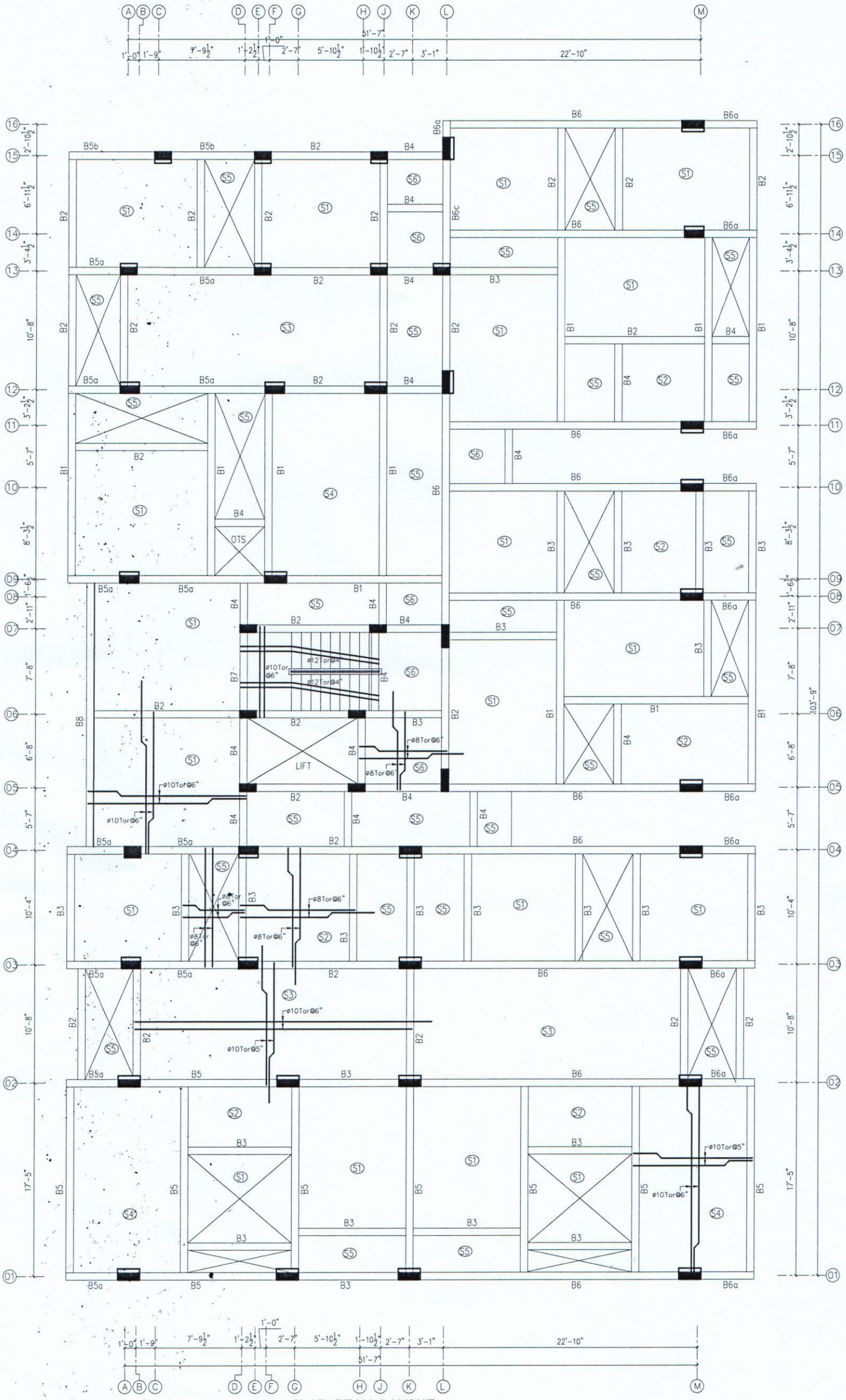
JOB NO : –	DRAWN : –
DRG.NO: S-02	DESIGNED : –
DATE : –	

PROJECT :

PLAN SHOWING THE PROPOSED RESIDENTIAL APARTMENTS STILT+5 FLOOR BUILDING AT PERUMALPURAM, TIRUNELVELI.

STRUCTURAL CONSULTANT

E.P. RAMAN, B.E (Civil), M.E (Struct), M.I.E., C.Engg.,
Registered Structural Engineer Grade-I (SE)
DTCP Reg No: CGLRGN/SE/GR-I/2019/07/022
S.S. Manians Apartment,
No.5/13, Thambiah Road Extn.,
West Mambalam, Chennai-600 033.



SLAB BEAM LAYOUT

(ALL SLAB THICKNESS IS 5", UNLESS SPECIFIED)

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REV.	DATE	REVISION NOTE NO	SIGN	CHKD
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SLAB BEAM LAYOUT

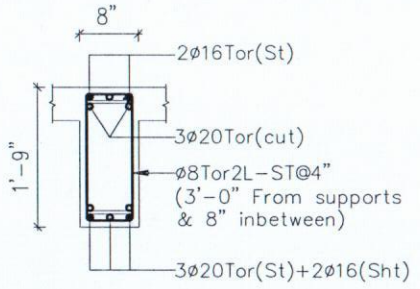
JOB NO : -	DRAWN : MUTHU
DRG.NO: S-03	DESIGNED : -
DATE : -	

PROJECT :

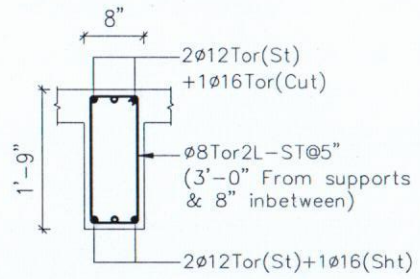
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STRUCTURAL CONSULTANT

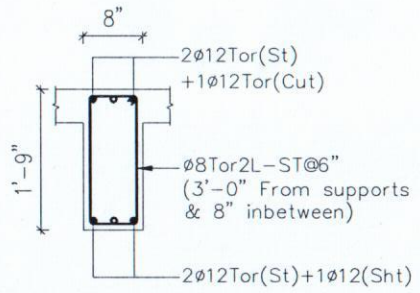
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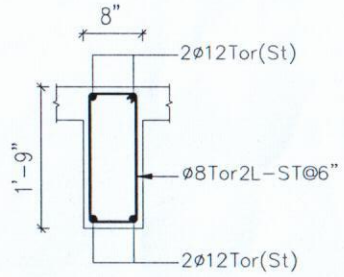
C.S OF BEAM-B1



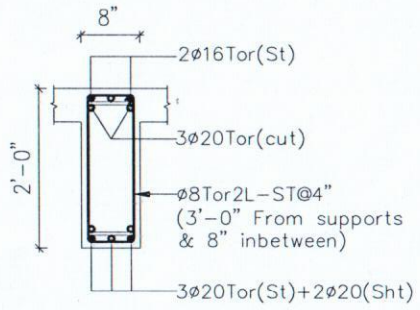
C.S OF BEAM-B2



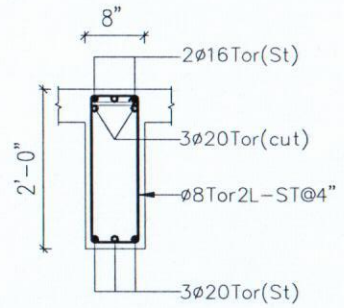
C.S OF BEAM-B3



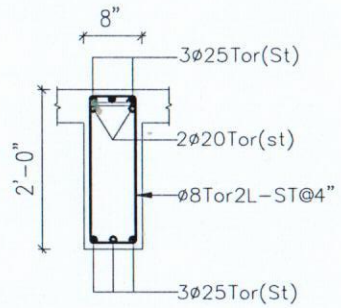
C.S OF BEAM-B4



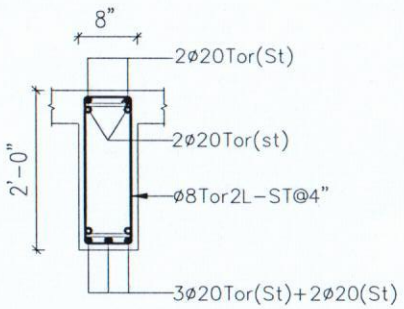
C.S OF BEAM-B5



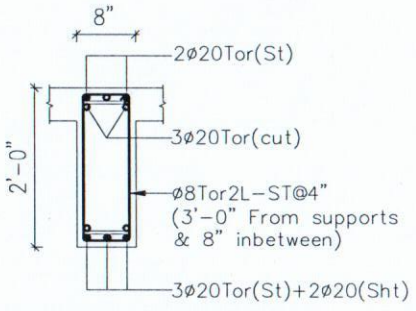
C.S OF BEAM-B5a



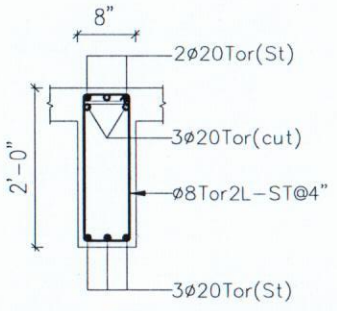
C.S OF BEAM-B5b



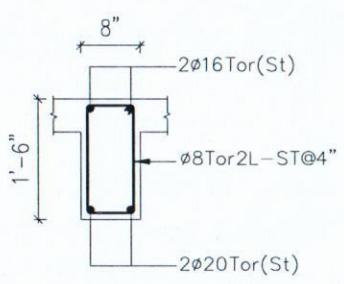
C.S OF BEAM-B6c



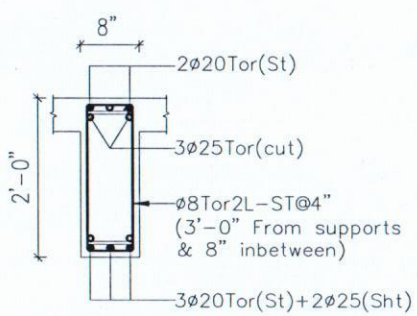
C.S OF BEAM-B6



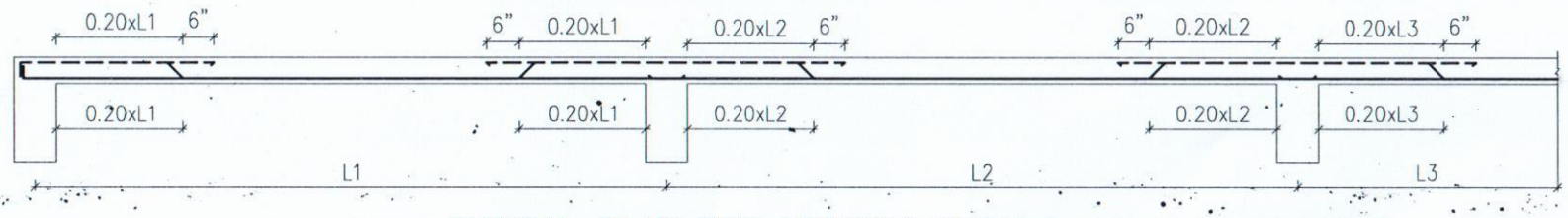
C.S OF BEAM-B6a



C.S OF BEAM-B7



C.S OF BEAM-B8



TYPICAL SLAB ROD BENDING DETAILS.

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-	-	-	-	-
REV.	DATE	REVISION NOTE NO	SIGN	CHKD

RCC DETAILS OF BEAM.

JOB NO : -	DRAWN : -
DRG.NO: S-04	DESIGNED : -
DATE : -	

PROJECT :

PLAN SHOWING THE PROPOSED RESIDENTIAL APARTMENTS STILT+5 FLOOR BUILDING AT PERUMALPURAM, TIRUNELVELI.

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3/350/2 Mettukuppam,
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