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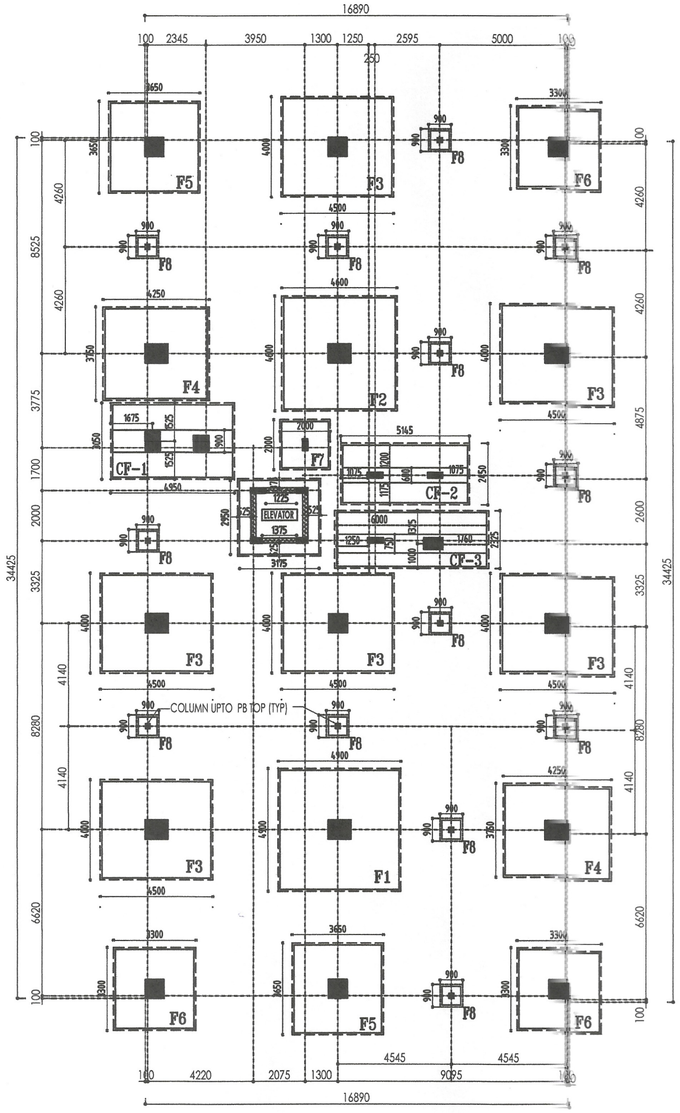
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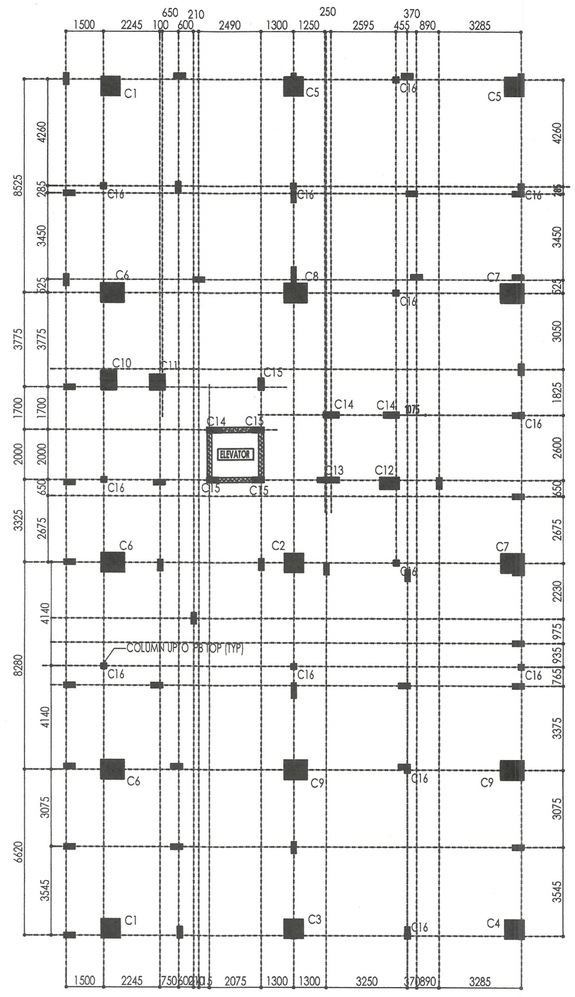
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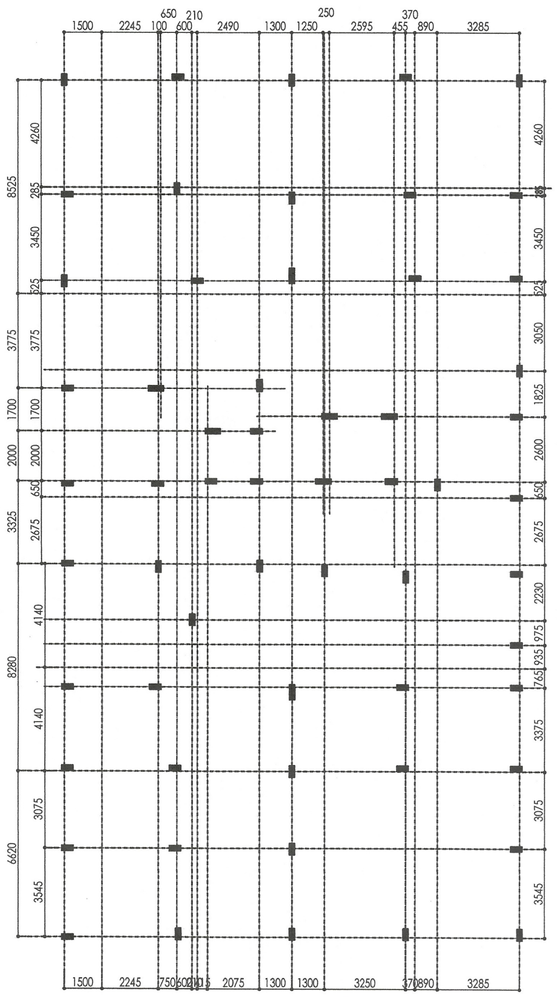
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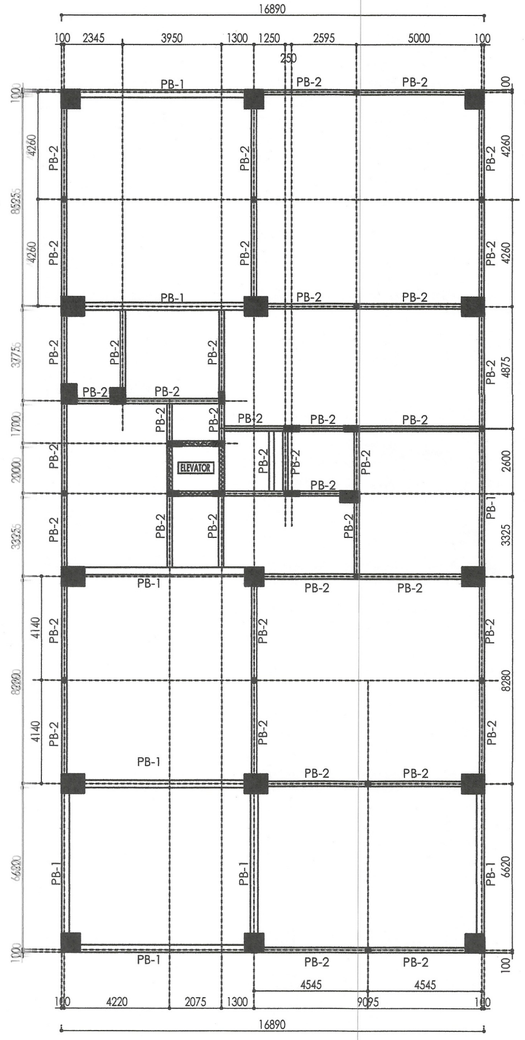
FOOTING LAYOUT



STILT FLOOR & FLOATING COLUMN & LAYOUT



TYPICAL FLOOR COLUMN LAYOUT



PLINTH BEAM LAYOUT

NOTES:

* FOUNDATION DEPTH ASPER SITE CONDITIONS
* SBC TAKEN AS 350KN/SQM ASPER SOIL REPORT
* M25 CONCRETE USED
* FE 500 STEEL USED
* FOOTING COVER 50 MM
* COLUMN COVER 40 MM
* BEAM COVER 25 MM
* SLAB COVER 20 MM
* HORIZONTAL LAP LENGTH 50D
* VERTICAL LAP LENGTH 40D
* CONDUIT PIPES SHOULD NOT GO THROUGH COLUMN
* ALL DIMENTIONS ARE IN MM

S1 – 125MM THICK SLAB REINFORCEMENT:

MAIN STEEL – 8# @ 200 MM C/C

DISTRIBUTOR – 8# @ 200 MM C/C

PT BEAM REINFORCEMENT:

ASPER PT CONSULTANT PT BEAM REINFORCEMENT TO BE FINALAISED

STILT FLOOR COLUMN:

ASPER PT CONSULTANT COLUMN TO BE FINALAISED

FLOATING COLUMN:

ASPER PT CONSULTANT FLOATING COLUMN TO BE FINALAISED

TITLE:

PROPOSED ~~RESIDENTIAL~~ BUILDING AT TIRUNELVELI

DRWWING TITLE :

STRUCTURAL DETAILS FOR FOOTING, COLUMN, PLINTH BEAM ROOF BEAM & ROOF SLAB LAYOUT

CLIENT:

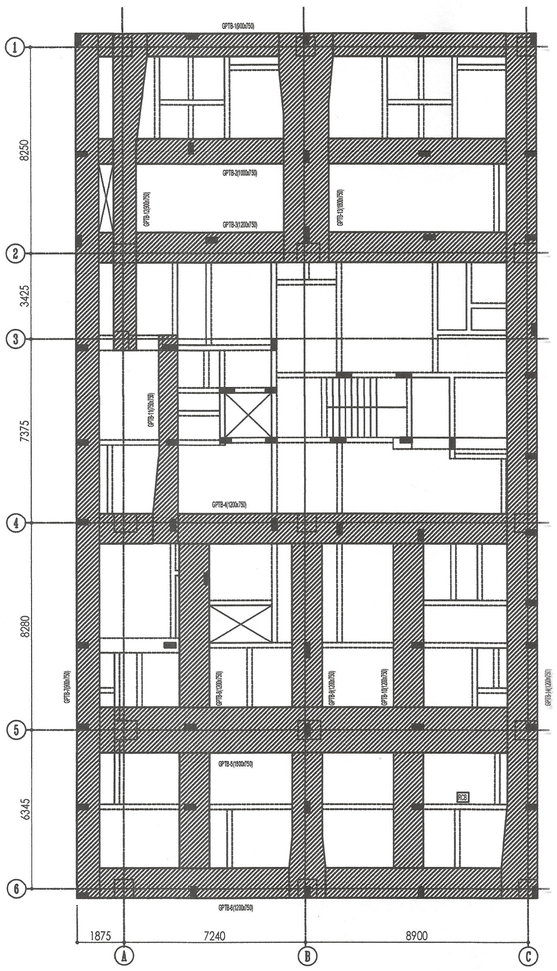
MR.S.R.SIVAUMAR DOSS MR.D.ARAVINTH PON PRABHU

DESIGNED	DRAWN	CHECKED	APPROVED	DATE :06.03.2025
JHS	JHS	AJD	SRS	R – 0

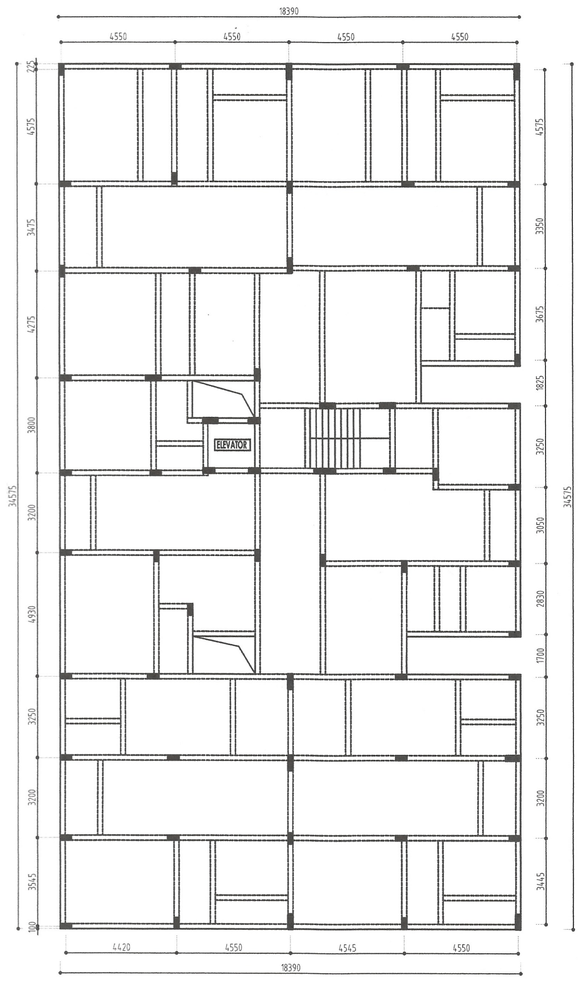
STRUCTURAL ENGINEER:

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B.E, A.M.I.E., MBA., M.E. (Structures)
Chartered Engineer (Civil)
Registered Structural Engineer
Reg. No. RSE/Gr-II/TVL/JUNE/2019/027
Ark Builders
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Maharaja Nagar Tirunelveli - 627 011

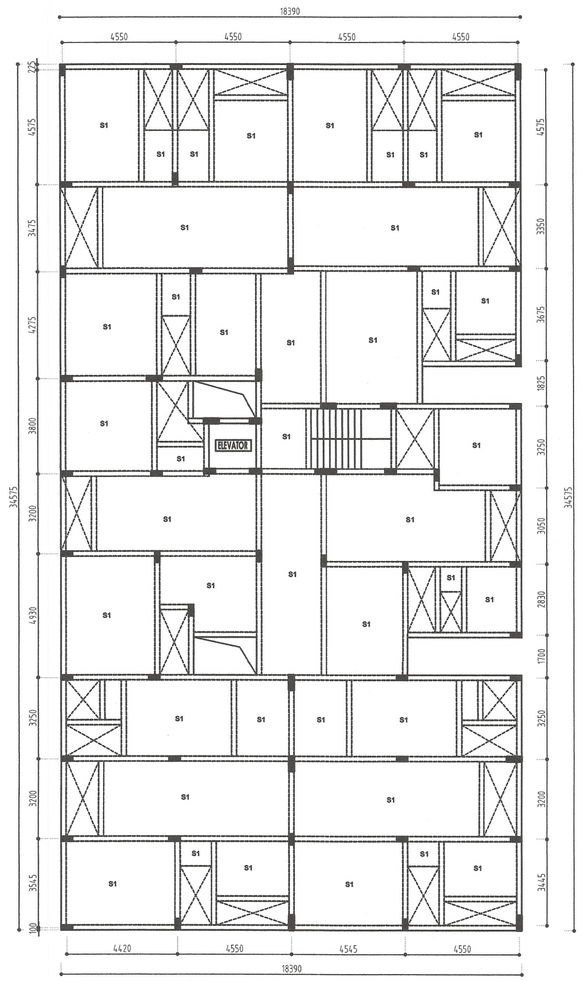
Sheet 1



STILT FLOOR ROOF LAYOUT PLAN. (POST-TENSIONED)

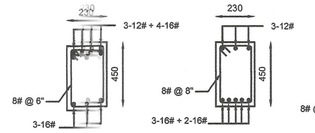


TYPICAL FLOOR BEAM LAYOUT

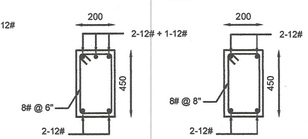


TYPICAL FLOOR SLAB LAYOUT

PB01



PB02



PLINTH BEAM REINFORCEMENT DETAILS

FOOTING SCHEDULE

TYPE	PIT SIZE (x x y)	FOOTING SIZE (a x b)	DEPTH (h)	FOOTING BOTTOM REBAR (BOTHWAYS)	FOOTING TOP REBAR (BOTHWAYS)
F1	4900 x 4900	4750 x 4750	1050	16 @ 100C/C	10 @ 150C/C
F2	4600 x 4600	4450 x 4450	950	16 @ 100C/C	10 @ 150C/C
F3	4000 x 4500	3850 x 4350	900	16 @ 115C/C	—
F4	3750 x 4250	3600 x 4100	900	16 @ 125C/C	—
F5	3650 x 3650	3500 x 3500	850	16 @ 125C/C	—
F6	3300 x 3300	3150 x 3150	700	12 @ 100C/C	—
F7	2000 x 2000	1850 x 1850	500	12 @ 125C/C	—
F10	900 x 900	750 x 750	200	10 @ 125C/C	—

COLUMN REINFORCEMENT DETAILS

Sl.No	Column ID	Column Size in M		Steel			Stirupps
		L	B	20#	25#	32#	
1	C1	0.75	0.75		16		8# - 175 C/C
2	C2	0.75	0.75		20		
3	C3	0.75	0.75		20		
4	C4	0.75	0.75		16		
5	C5	0.75	0.75		8	12	
6	C6	0.75	0.9		20		
7	C7	0.75	0.9		12	8	
8	C8	0.75	0.9		8	12	
9	C9	0.75	0.9		12	8	
10	C10	0.6	0.75	6	8		
11	C11	0.6	0.6		12		
12	C12	0.45	0.75	6	6		
13	C13	0.2	0.6	8			
14	C14	0.2	0.6	4	4		
15	C15	0.2	0.45	6			

COMBINED FOOTING SCHEDULE

TYPE	PIT SIZE (x X y)	RAFT SLAB			RAFT BEAM				
		DEPTH (H)	MAIN BAR SHORT SPAN	DISTRIBUTOR LONG SPAN	BEAM SIZE (B X D)	REINFORCEMENT (BOTTOM)	REINFORCEMENT (TOP)	REINFORCEMENT (WEB BAR)	STIRRUPS
CF1	REFER PLAN	550	12 @ 100 C/C	10 @ 200 C/C	900 x 900	10 Nos 20	6 Nos 20	2 Nos 12+ 2 Nos 12	4 LEG 12 @ 125 C/C
CF2	REFER PLAN	500	12 @ 125 C/C	10 @ 200 C/C	600 x 750	6 Nos 20	7 Nos 20	2 Nos 12+ 2 Nos 12	4 LEG 12 @ 125 C/C
CF3	REFER PLAN	600	12 @ 100 C/C	10 @ 200 C/C	750 x 900	9 Nos 25	6 Nos 25	2 Nos 12+ 2 Nos 12 + 2 Nos 12	6 LEG 12 @ 125 C/C

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CLIENT:

MR.S.R.SIVAUMAR DOSS MR.D.ARAVINTH PON PRABHU

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THE LANDLENS SUITE

Eight ways to know a piece of land before you pay for it.

This report covers one part of the picture. These cover the rest, drawn from the same government records, for any property in Tamil Nadu.

LandLens One
Ask anything about a property and get an answer grounded in live government records, with the sources shown.
/landlens/one

Verify My Land
Every record check run on one property and returned as a single report.
/landlens/verify-my-land

Legal Opinion
An advocate's written opinion on the title, built on the records we pull for it.
/landlens

One Map
Every layer on one map: the parcel, its boundary, zoning, water bodies and what sits around it.
/landlens/one/map

PriceMap
What land actually changed hands for around this plot, taken from the registered deeds.
/landlens/pricemap

Build Scope
What you are allowed to build here: floor space, height, coverage and setbacks.
/landlens/build-scope

Property Tracker
Watch a property and hear about it when something new is registered against it.
/landlens/property-tracker

Deal Room
Run the transaction in one place: documents, stamping, signatures and the parties.
/landlens/deal-room

FREE TOOLS · NO ACCOUNT NEEDED

Twenty-four checks you can run yourself, at no cost.

Records and verification

The registers themselves, read for you.

- Encumbrance Certificate
- Patta and Chitta
- Field Measurement Sketch
- EC Analyzer
- Bank charge check
- Court case search
- Seller background check
- Approval check by survey

Value and duty

What it is worth and what it costs to register.

- Guideline value by street
- Guideline value by survey
- Stamp duty and registration fees
- Capital gains
- Floor space index
- Area unit converter

Zoning and land use

What the plan says can happen on this land.

- Land use zone finder
- CMDA land use check
- Coastal regulation zone
- Master plan check
- Water bodies finder
- Airport height clearance

Registers and directories

Who holds it, and which office keeps the record.

- Find your registering office
- Temple property check
- Waqf property check
- RERA register

Every free tool
/tools

Services we run for you
/services

The LandLens suite
/landlens/one

Verified RealEstate™

Every claim in this document traces back to a government record.

- Legal opinions, due diligence and title verification
- Building plan, layout and sub-division approvals
- Completion and occupancy certificates, regularisation
- Escrow, negotiation and NRI property management
- Land survey, soil testing, architecture and construction

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Prepared from the registers named on the page each finding sits on. Where a register could not be read, this document says so in its place rather than leaving the gap to be read as a clean result.