Verified RealEstate™

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+91 9996 12 9996
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- ALL DIMENSIONS ARE IN FEET.
- ALL CONCRETE WORK SHALL BE CARRIED OUT AS PER IS 456 - 2000.
- USE MIX M25 FOR COLUMN AND FOOTING VOLUME BATCHING THE MIX RATIO 1 : 1 : 2
- USE MIX M20 FOR ALL ROOF BEAM SLABS. (USE READY MIX OR VOLUME BATCH) SHALL NOT LESS THAN 340Kg/cum AND VOLUME BATCHING THE MIX SHALL BE 1: 1.5:3. AND WATER CEMENT RATIO NOT EXCEED 0.4
- CLEAR COVER TO THE REINFORCEMENT FOR FOOTING 50mm, COLUMN 40mm, BEAM:30mm, SLAB:20mm.
- HIGH YIELD DEFORMED BARS CONFIRMING IS-1786-1985 BE USED. Fe - 500 GRADE.
- DISTANCE BETWEEN THE STRUCTURAL MEMBERS MUST BE CHECKED WITH ARCHITECTS DRAWING.
- DIMENSION OF ELEVATION, PROJECTION, CU BOARD, BALCONY SIZE SHALL BE CHECKED WITH ARCHITECTURAL DRAWING.
- DE-SHUTTERING OF FORM WORK SHALL BE CARRIED OUT AS FOLLOWS:
  COLUMNS AND WALL SIDES: 24 HOURS,
  BEAM & SLAB:
  SPANNING UP TO 6 m – 14 DAYS.
  SPANNING OVER 6 m – 21 DAYS.
- .A MINIMUM OF 21 DAYS WATER CURING REQUIRED FOR ALL CONCRETE STRUCTURES & IT'S RESPONSIBILITY OF OWNER AND CONTRACTOR.
- MUST TAKE CONCRETE(WHILE CONCRETING) SAMPLE AND MAKE MOULD AS CUBE FOR CONCRETE TEST AT REQUIRED TIME.
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- FOUNDATION DESIGNED FOR - STILT FLOOR + FIVE FLOOR ONLY + HEAD ROOM + OHT.
- SOIL REPORT :- S.B.C. 330.00 kN/M ^{2}
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Drawn and Design : NEDUNCHEZHIAN

Date : 20-04-2026 | Chd : BALAJI.M

Drg No:D/Jobs/G+5 Apartment /Column,Footing, Grade beam And Roof Beam, Roof Slab Structural Layout And Details.

PROJECT: PROPOSED RSIDENTIAL BUILDING AT COIMBATORE.

TITLE:GRADE BEAM LAYOUT AND SECTION DETAILS.

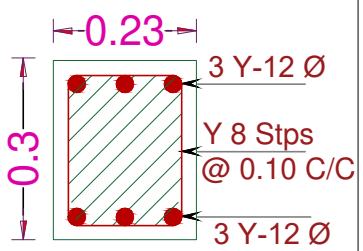
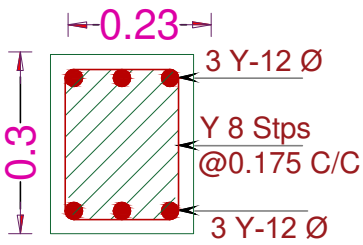
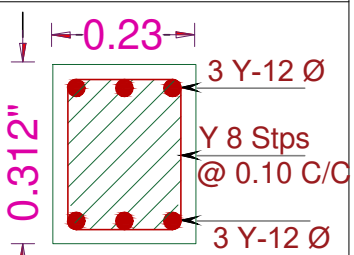
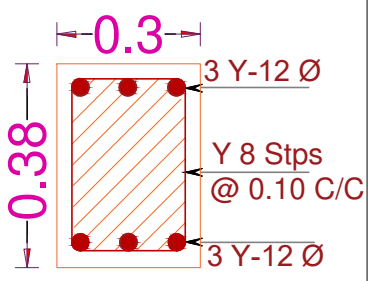
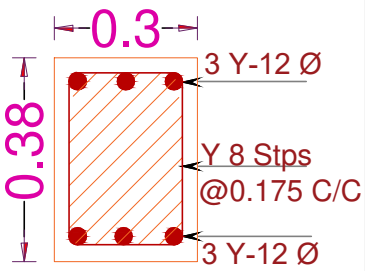
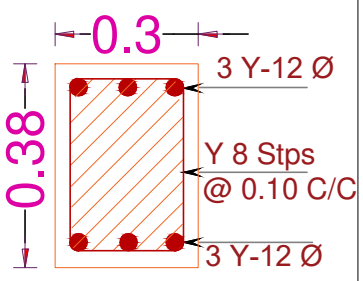
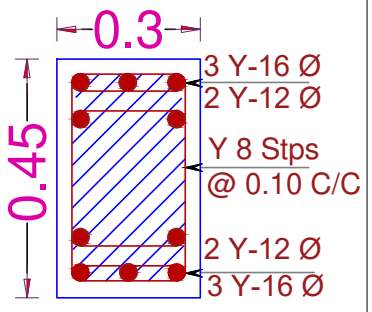
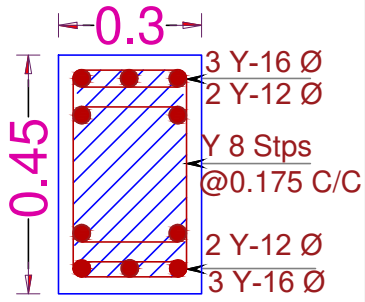
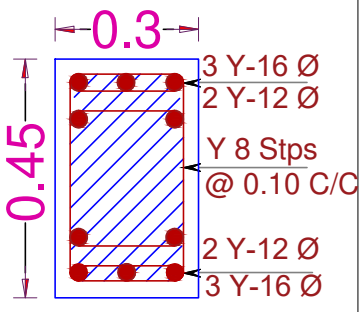
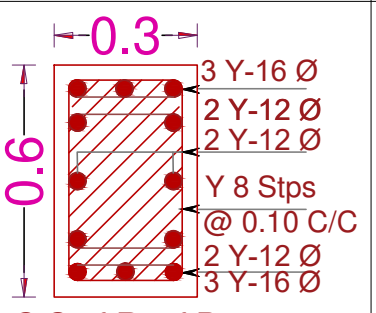
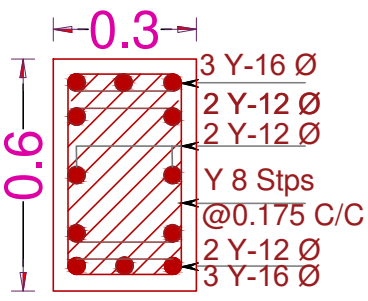
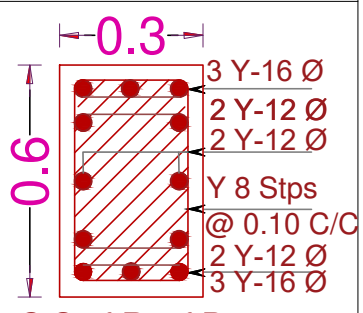
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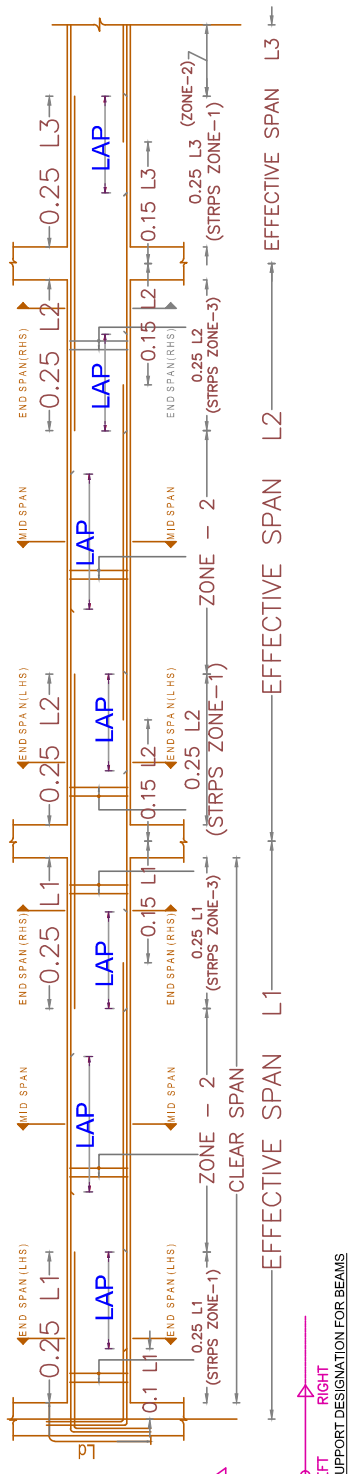
Er.BALAJI.M.E.,(struct).,

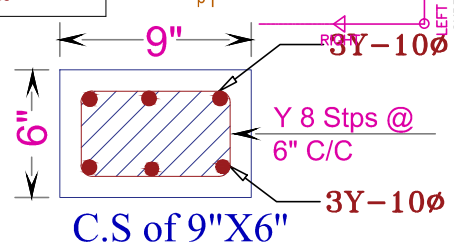
SAI STRUCTURAL DESIGNS

55,4th CROSS STREET,KALLURI NAGAR, PEELAMEDU, COIMBATORE-04.

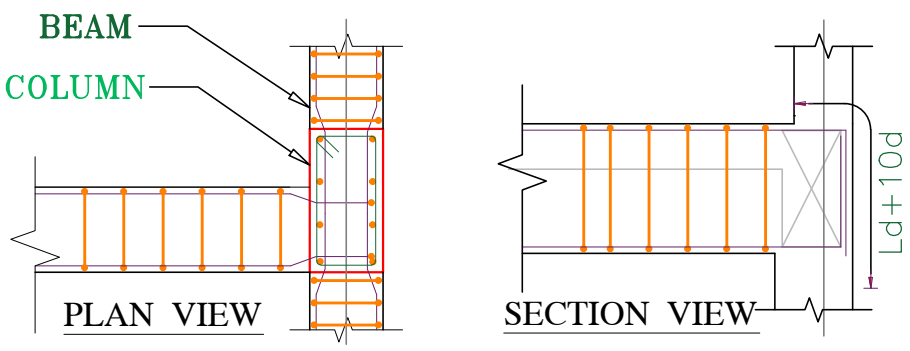
GRADE BEAM REINFORCEMENT DETAILS:-

Sl.No	Size	Name	L.H.S	MID	R.H.S
1.	0.23 X 0.3	G.B- 1	 C.S of Grade Beam	 C.S of Grade Beam	 C.S of Grade Beam
2.	0.3 X 0.38	G.B- 2	 C.S of Grade Beam	 C.S of Grade Beam	 C.S of Grade Beam
3.	0.3 X 0.45	G.B- 3	 C.S of Grade Beam	 C.S of Grade Beam	 C.S of Grade Beam
4.	0.3 X 0.6	G.B- 4	 C.S of Roof Beam	 C.S of Roof Beam	 C.S of Roof Beam

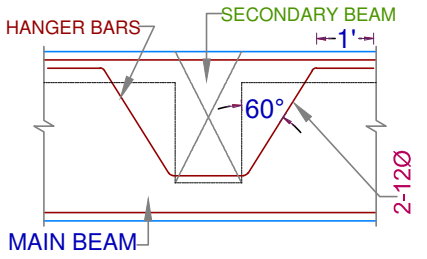




C.S of 9"X6" Size Tie Beam.



TYPICAL BEAM COLUMN JUNCTION DETAIL



DET. OF HANGER BARS IN MAIN BEAM

NOTE:-
IF BASEMENT HEIGHT IS MORE THAN 2'6", MUST PROVIDE THE TIE BEAM AT THE TOP OF BASEMENT.

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Drawn and Design : NEDUNCHEZHIAN

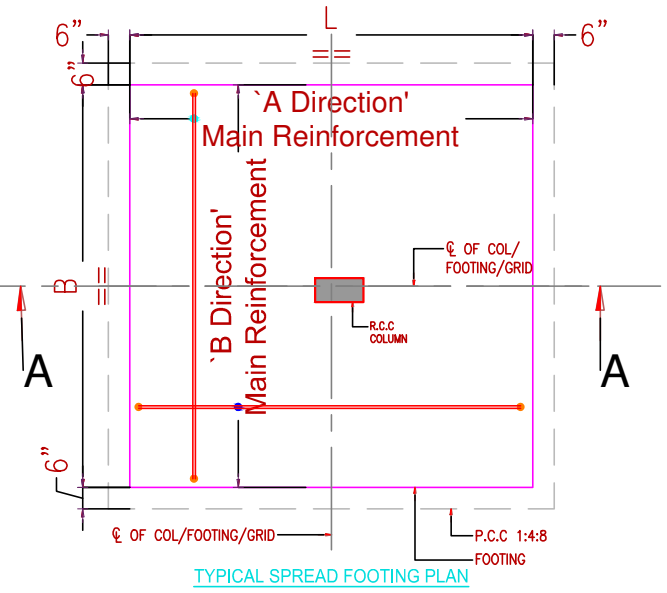
Date : 20-04-2026 | Chd : BALAJI.M

Drg No:D/Jobs/G+5 Apartment /Column,Footing, Grade beam And Roof Beam, Roof Slab Structural Layout And Details.

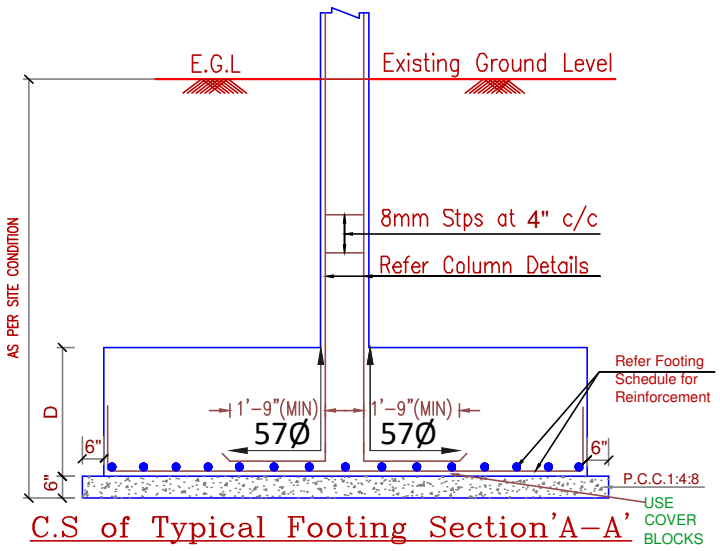
PROJECT: PROPOSED RESIDENTIAL BUILDING AT COIMBATORE.

TITLE:- GRADE BEAM C.S. AND REINFORCEMENT DETAILS.

Structural consultant:-
Er.BALAJI.M.E.,(struct).,
SAI STRUCTURAL DESIGNS
55,4th CROSS STREET,KALLURI NAGAR,
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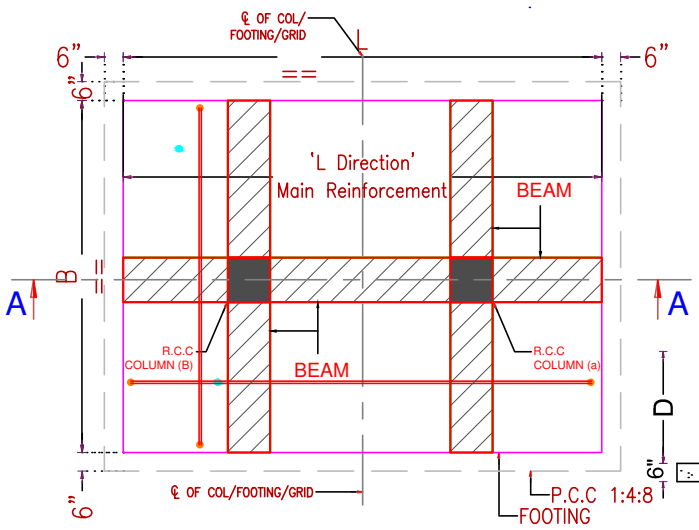


TYPICAL SPREAD FOOTING PLAN

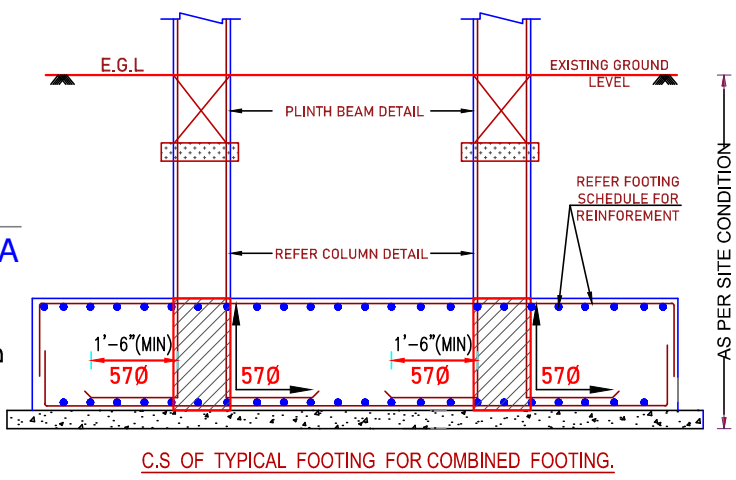


C.S of Typical Footing Section'A-A'

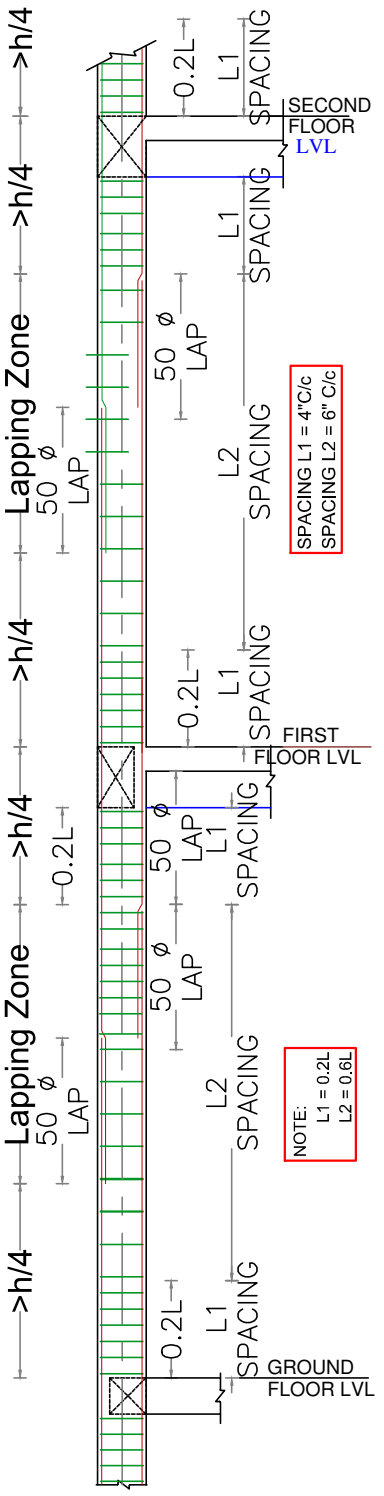
DEPTH OF FOUNDATION
- 3.3m BELOW THE NGL.
- ALSO REFER THE SOIL TEST REPORT.



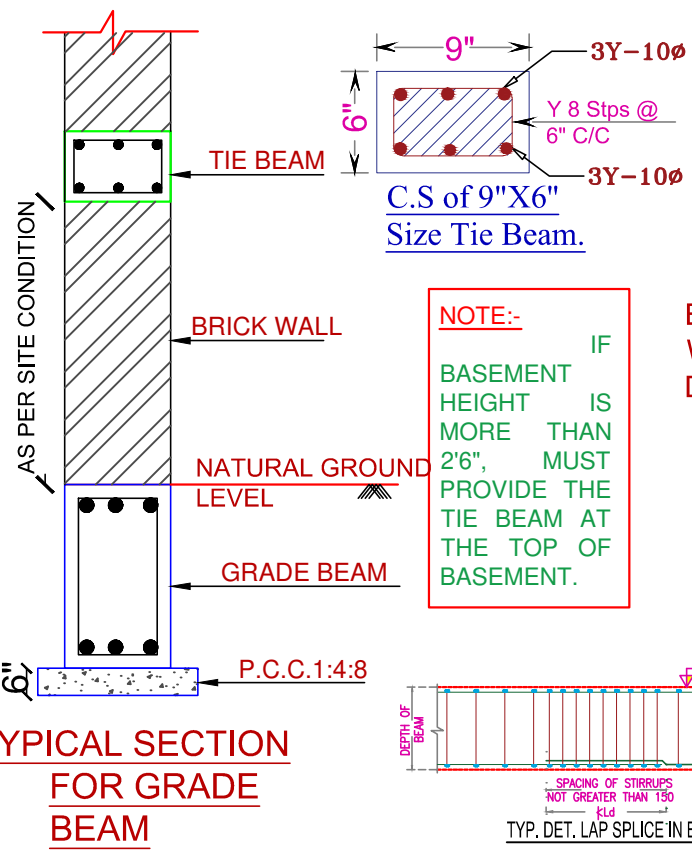
TYPICAL COMBINED FOOTING PLAN



C.S OF TYPICAL FOOTING FOR COMBINED FOOTING.



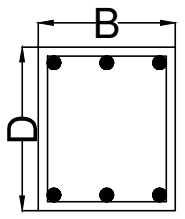
TYPICAL COLUMN SECTION DETAIL



C.S of 9"X6" Size Tie Beam.

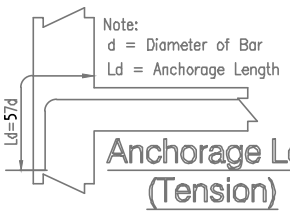
TYPICAL SECTION FOR GRADE BEAM

NOTE:-
IF BASEMENT HEIGHT IS MORE THAN 2'6", MUST PROVIDE THE TIE BEAM AT THE TOP OF BASEMENT.

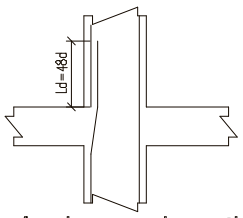


● - 6 X 12mm Ø
C.S.OF BEAM

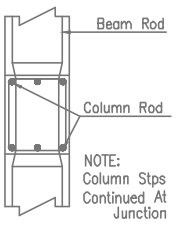
B - BREATH OF COLUMN
W- WIDTH OF COLUMN
D - DEPTH OF FOOTING



Anchorage Length (Tension)

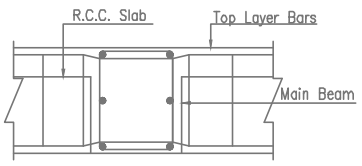


Anchorage Length (Compression)



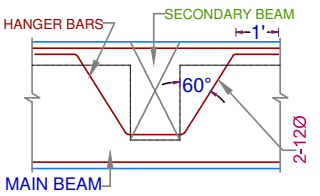
Plan of Column - - Beam Junction

DUCTILE DETAILS;-

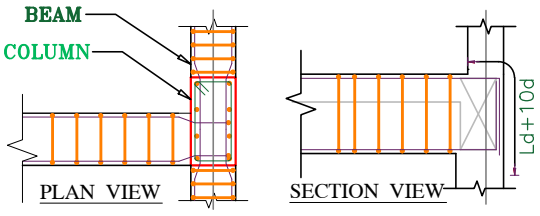


Section Detail of Main Beam & Secondary Beam Junction

TYP. DET. LAP SPLICE IN BEAMS



DET. OF HANGER BARS IN MAIN BEAM



TYPICAL BEAM COLUMN JUNCTION DETAIL

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Drawn and Design : NEDUNCHEZHIAN
Date :20-04-2026 | Chd : BALAJI.M

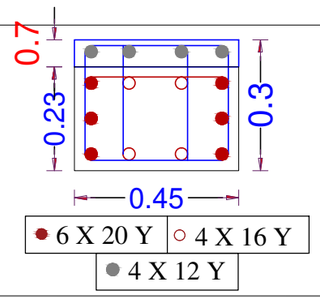
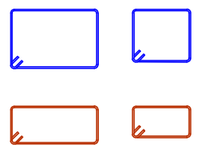
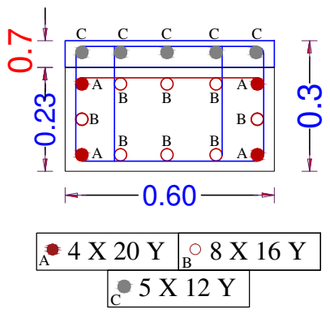
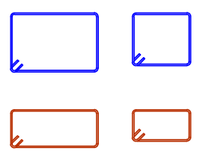
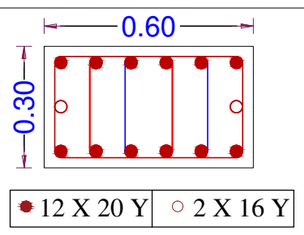
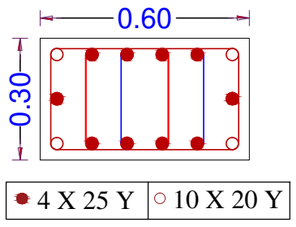
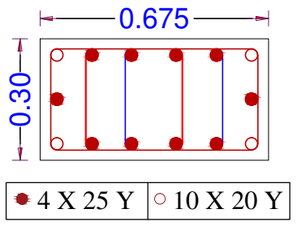
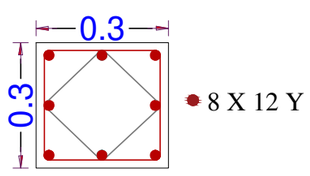
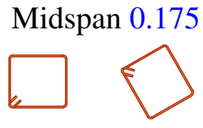
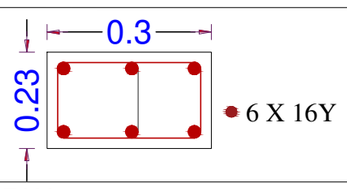
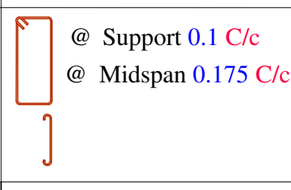
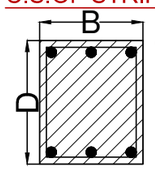
Drg No:D/Jobs/G+5 Apartment /Column,Footing, Grade beam And Roof Beam, Roof Slab Structural Layout And Details.

PROJECT: PROPOSED RESIDENTIAL BUILDING AT COIMBATORE.

TITLE: TYPICAL CROSS SECTION DETAIL FOR FOOTING, COLUMN , GRADE BEAM.

STRUCTURAL CONSULTANT:-
Er.BALAJI.M.E.,(struct).,
SAI STRUCTURAL DESIGNS
55,4th CROSS STREET,KALLURI NAGAR, PEELAMEDU,
COIMBATORE-04.

COLUMN AND FOOTING REINFORCEMENT SCHEDULE:-

SL.NO	COLUMN SCHEDULE				FOOTING SCHEDULE				
	TYPE	COLUMN SIZE	COLUMN REINFORCEMENT	COLUMN RINGS 8 mm Ø BARS	SIZE L x B	DEPTH (TOTAL) D	STEEL STEEL (a) & (b)	SECTION	GRID NO THE GRID NUMBERS INDICATED REFER TO COLUMN GRID LOCATIONS.
1.	C1F1	0.3 X 0.45		@ Support 0.1 C/c @ Midspan 0.175 C/c 	2.0 X 2.0	0.600	12 # @ 0.125 C/c TOP & BOTTOM	A - A	B - 4, C - 4, D - 6, A - 7, B - 14, C - 14, D - 16, A - 17 Nos - 8
2.	C2F2	0.3 X 0.60		@ Support 0.1 C/c @ Midspan 0.175 C/c 	2.3 X 2.3	0.600	12 # @ 0.125 C/c TOP & BOTTOM	A - A	A - 1, C - 1, F - 1, A - 2,A - 3, C - 3, A - 6, A -9, B - 9, C -10, A - 12, A - 13 C - 13, A - 16, A -21, B - 21 Nos - 16
3.	C3F3	0.3 X 0.60		@ Support 0.1 C/c @ Midspan 0.175 C/c 	2.6 X 2.6	0.750	12 # @ 0.125 C/c TOP & BOTTOM	A - A	C - 2, E - 3, A - 11, C - 11, C - 12, E -12, E - 13, E - 15, C - 19, A - 19, Nos - 10
4.	C4F4	0.3 X 0.60		@ Support 0.1 C/c @ Midspan 0.175 C/c 	3.0 X 3.0	0.850	12 # @ 0.125 C/c TOP & BOTTOM	A - A	E - 1, F - 2, E - 5, F - 5, C - 7,F - 8, E - 10,F -11, F - 12, F - 15,C -17, F - 18, E - 20, E - 21, F -21. Nos - 15
5.	C5F4	0.3 X 0.675		@ Support 0.1 C/c @ Midspan 0.175 C/c 	3.0 X 3.0	0.850	12 # @ 0.125 C/c TOP & BOTTOM	A - A	E - 2, E - 7, E - 11, E - 17, C -4. Nos - 5
6.	C6F6	0.3 X 0.675		@ Support 0.1 C/c @ Midspan 0.175 C/c 	1.2 X 1.2	0.30	10 # @ 0.125 C/c	A - A	F' - 1, F' - 2, F' - 3, F'-5, F' - 7, F' - 10, F' - 11, F' - 12, F' - 13 , F' - 15, F' - 18, F' - 20, F' - 21. Nos - 13
7.	C7F7	0.23 X 0.3			1.7 X 1.7	0.450	12 # @ 0.125 C/c	A - A	D - 5, E - 6, D - 15, E - 16 Nos - 04
8.	CF-1	C.S.OF STRIP BEAM  - 6 X 12mm Ø B - BREATH OF COLUMN W- WIDTH OF COLUMN D - DEPTH OF FOOTING		REFER FOOTING AXIS LAYOUT		0.750	10 # @ 0.125 C/c TOP 12 # @ 0.125 C/c BOTTOM	A - A	

NOTE:

- **COLUMN JACKETING SHALL BE DONE ONLY UP TO THE TOP LEVEL OF THE GRADE BEAM.**
- **STOP THE COLUMN C6F6 AT TOP OF GRADE BEAM LEVEL**
- **FOOTING SIZE OF COLUMN IN GRID "E-3 & C-19" CHANGES KINDLY REFER THE FOOTING AXIS LAYOUT**

REFERENCE:-

- ALL DIMENSIONS ARE IN FEET.
- ALL CONCRETE WORK SHALL BE CARRIED OUT AS PER IS 456 - 2000.
- USE MIX M25 FOR COLUMN AND FOOTING VOLUME BATCHING THE MIX RATIO 1 : 1 : 2
- USE MIX M20 FOR ALL ROOF BEAM SLABS. (USE READY MIX OR VOLUME BATCH) SHALL NOT LESS THAN 340Kg/cum AND VOLUME BATCHING THE MIX SHALL BE 1: 1.5:3. AND WATER CEMENT RATIO NOT EXCEED 0.4
- CLEAR COVER TO THE REINFORCEMENT FOR FOOTING 50mm, COLUMN 40mm, BEAM:30mm, SLAB:20mm.
- HIGH YIELD DEFORMED BARS CONFIRMING IS-1786-1985 BE USED. Fe - 500 GRADE.
- DISTANCE BETWEEN THE STRUCTURAL MEMBERS MUST BE CHECKED WITH ARCHITECTS DRAWING.
- DIMENSION OF ELEVATION, PROJECTION, CU BOARD, BALCONY SIZE SHALL BE CHECKED WITH ARCHITECTURAL DRAWING.
- DE-SHUTTERING OF FORM WORK SHALL BE CARRIED OUT AS FOLLOWS:
- COLUMNS AND WALL SIDES: 24 HOURS,

- .A MINIMUM OF 21 DAYS WATER CURING REQUIRED FOR ALL CONCRETE STRUCTURES & IT'S RESPONSIBILITY OF OWNER AND CONTRACTOR.
- MUST TAKE CONCRETE(WHILE CONCRETING) SAMPLE AND MAKE MOULD AS CUBE FOR CONCRETE TEST AT REQUIRED TIME.
- IF FLOOR TO FLOOR IM S MORE THAN 10' FEET MUST INFORMED TO THE STRUCTURAL ENGINEER FOR FURTHER ASSISTANCE.
- STRUCTURAL ENGINEERS RESPONSIBILITY IS LIMITED TO DESIGN & ISSUAL OF STRUCTURAL DRAWING ONLY.
- ONUS OF CONSTRUCTION LIES WITH CONTRACTOR / OWNER.
- FOUNDATION DESIGNED FOR - STILT FLOOR + FIVE FLOOR ONLY + HEAD ROOM + OHT.
- BUILDING DESIGN FOR CHAMBER BRICKS ONLY.
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- REST OF FOUNDATION IS ON HARD STRATA. CONFIRM BEFORE PLACING THE P.C.C. FOR FOOTING.

Drawn and Design : NEDUNCHEZHIAN

Date : 20-04-2026 Chd : BALAJI.M

Drg No:D/Jobs/G+5 Apartment /Column,Footing, Grade beam And Roof Beam, Roof Slab Structural Layout And Details.

PROJECT: PROPOSED RESIDENTIAL BUILDING AT COIMBATORE.

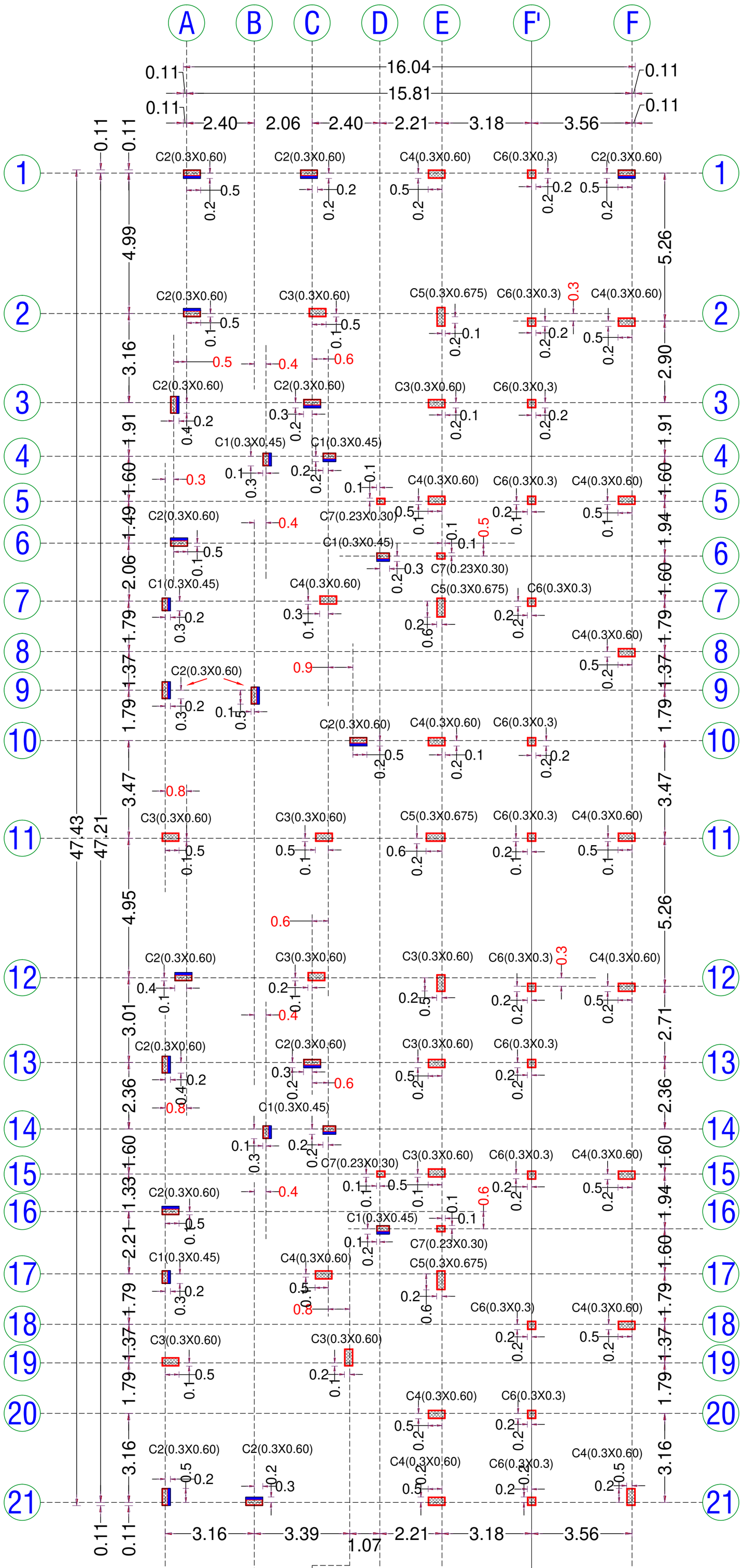
TITLE: COLUMN & FOOTING REINFORCEMENT DETAILS.

STRUCTURAL CONSULTANT:-

Er.BALAJI.M.E.,(struct).,

SAI STRUCTURAL DESIGNS

55,4th CROSS STREET,KALLURI NAGAR, PEELAMEDU, COIMBATORE-04.



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Drawn and Design : NEDUNCHEZHIAN

Date : 20-04-2026 Chd : BALAJI.M

Drg No:D/Jobs/G+5 Apartment /Column,Footing, Grade beam And Roof Beam, Roof Slab Structural Layout And Details.

PROJECT: PROPOSED RSIDENTIAL BUILDING AT COIMBATORE.

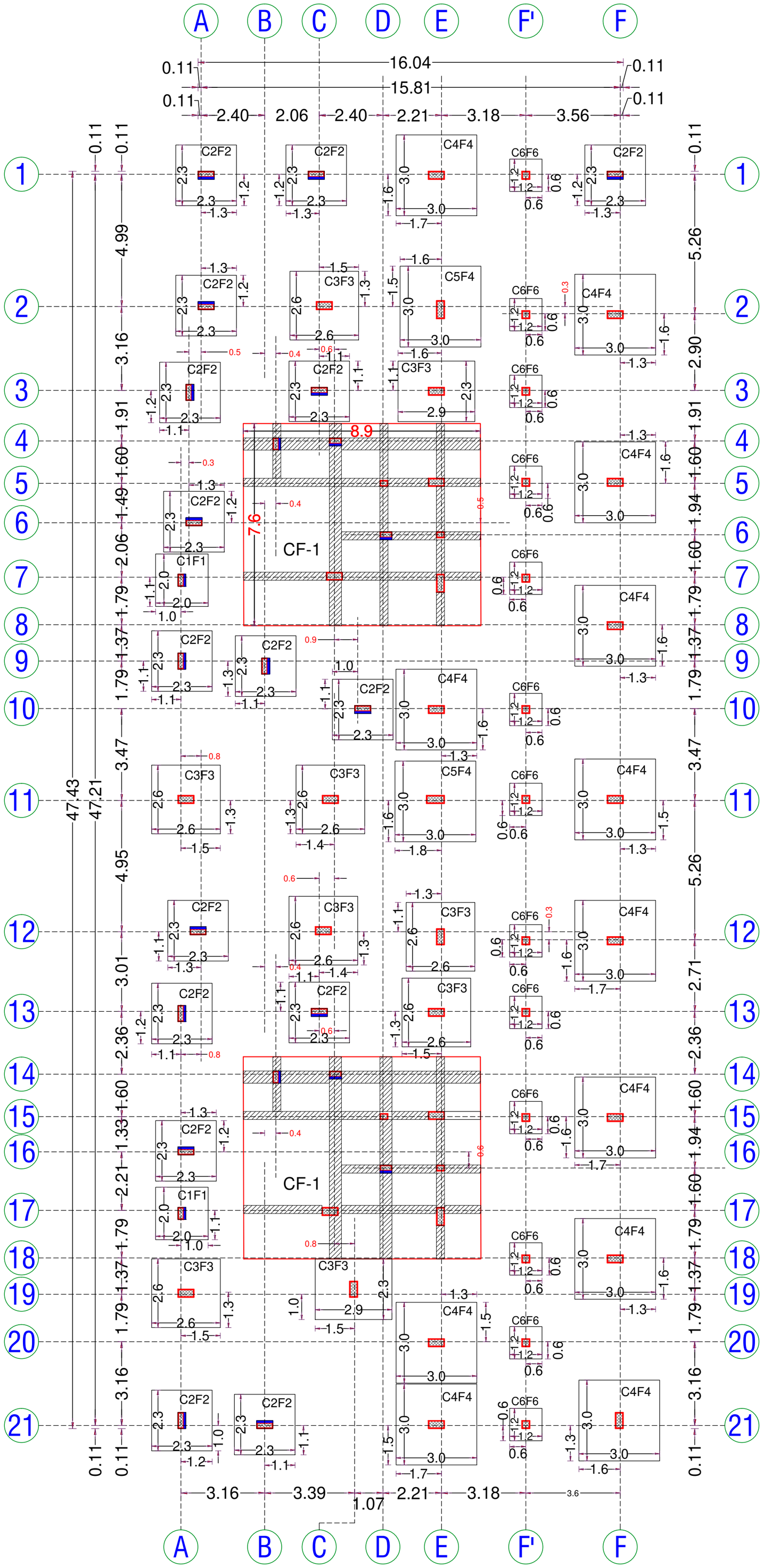
TITLE:COLUMN AXIS LAYOUT AND DETAILS.

STRUCTURAL CONSULTANT:-

Er.BALAJI.M.E.,(struct).,

SAI STRUCTURAL DESIGNS

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Drawn and Design : NEDUNCHEZHIAN

Date : 20-04-2026 Chd : BALAJI.M

Drg No:D/Jobs/G+5 Apartment /Column,Footing, Grade beam And Roof Beam, Roof Slab Structural Layout And Details.

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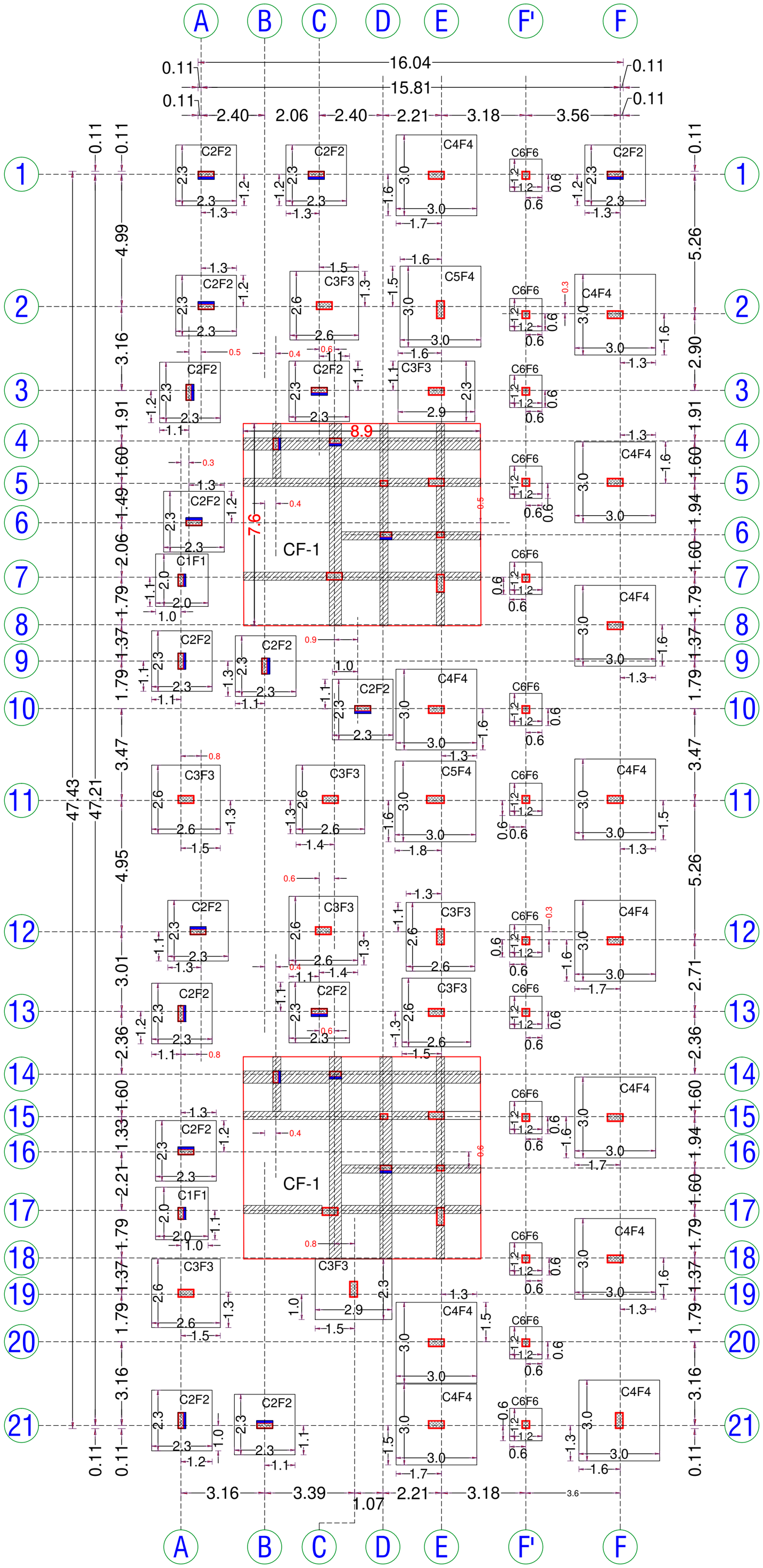
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THE LANDLENS SUITE

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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3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai 600 097, India
hello@verified.realestate
+91 9996 12 9996

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.