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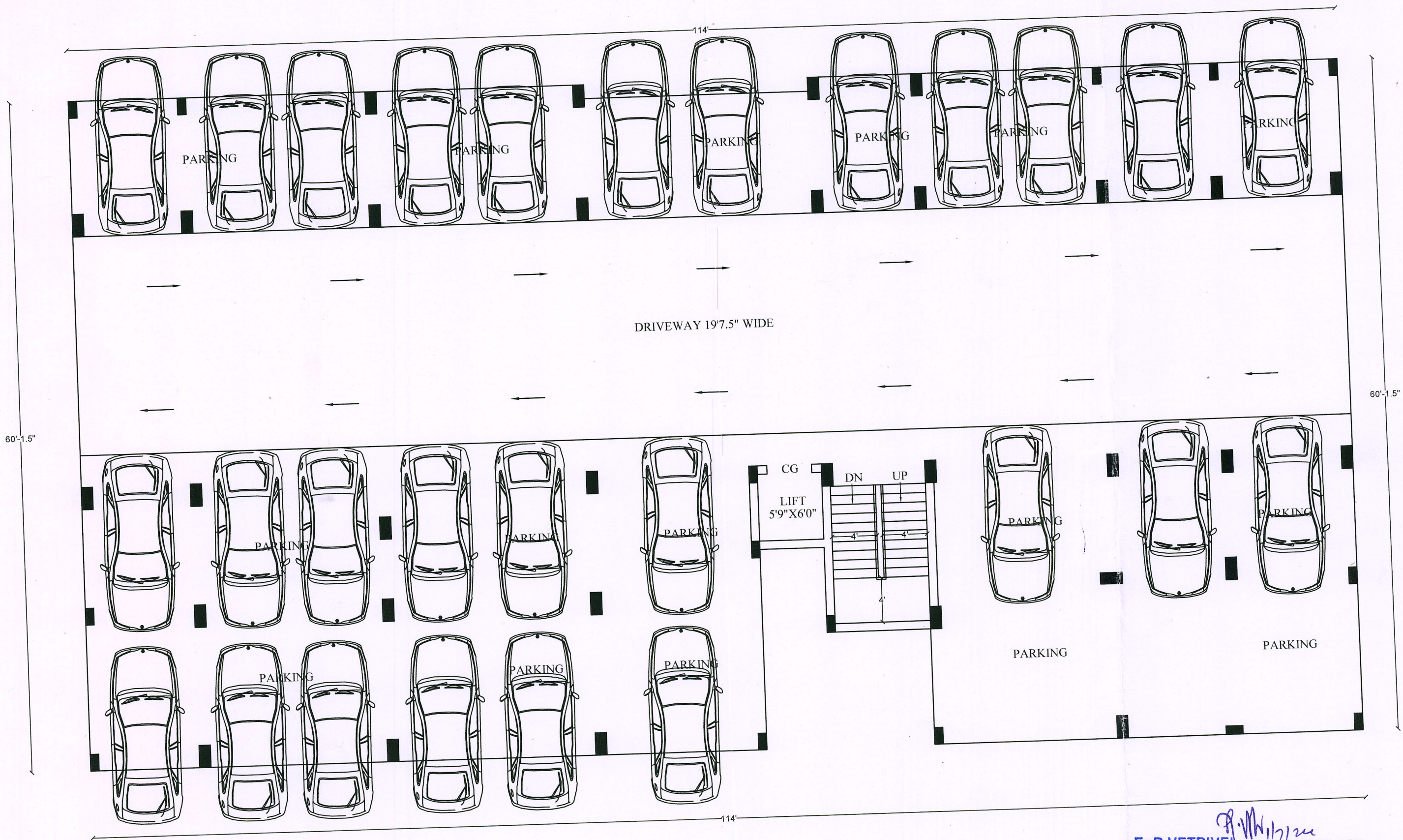
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Official Property Record

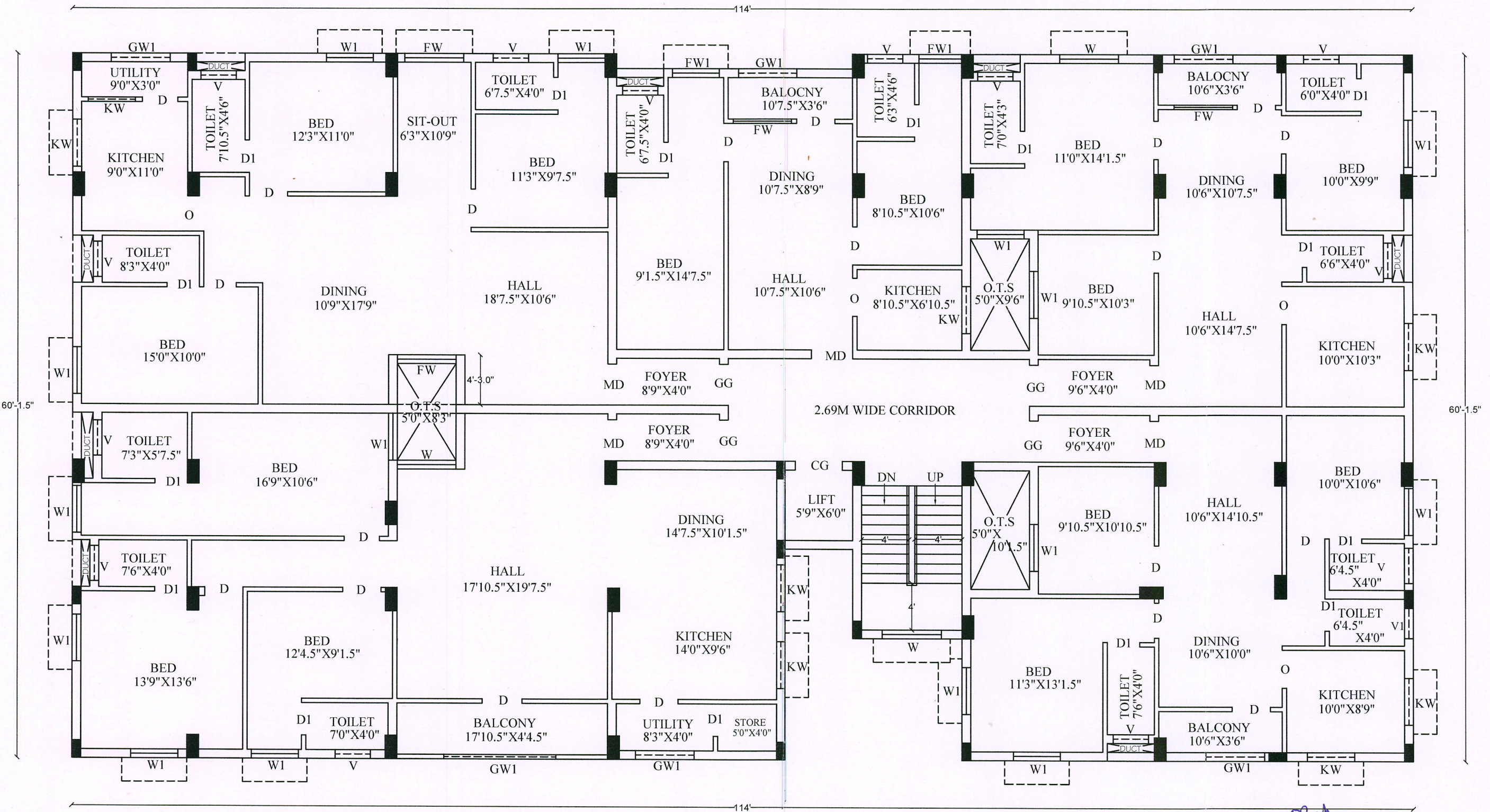




STLIT FLOOR PLAN
(PARKING)

[Signature]
Er.R.VETRIVEL, M.Tech(Struct), F.I.V., C.E(I).
Govt. Approved Panel Engineer Class-1A,
Registered Structural Engineer,
Reg. No: SE/Gr. 1/DTCP / TRICHY / June - 2024 / 013
D - 382, Gandhiyadigal Street,
Annanagar, Tennur, Trichy - 17.
Cell : 97893 33245.





TYPICAL FLOOR PLAN
(FIRST, SECOND & THIRD FLOOR)

Er.R.VETRIVEL, M.Tech (Struct), F.I.V., C.E(I),
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Registered Structural Engineer,
Reg. No: SE/Gr. 1/DTCP/TRICHY/June-2024/123
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Annanagar, Tennur, Trichy - 17.
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COLUMN CENTRE LINE MARKING

CONSTRUCTION OF
RESIDENTIAL
APARTMENT BUILDING
FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

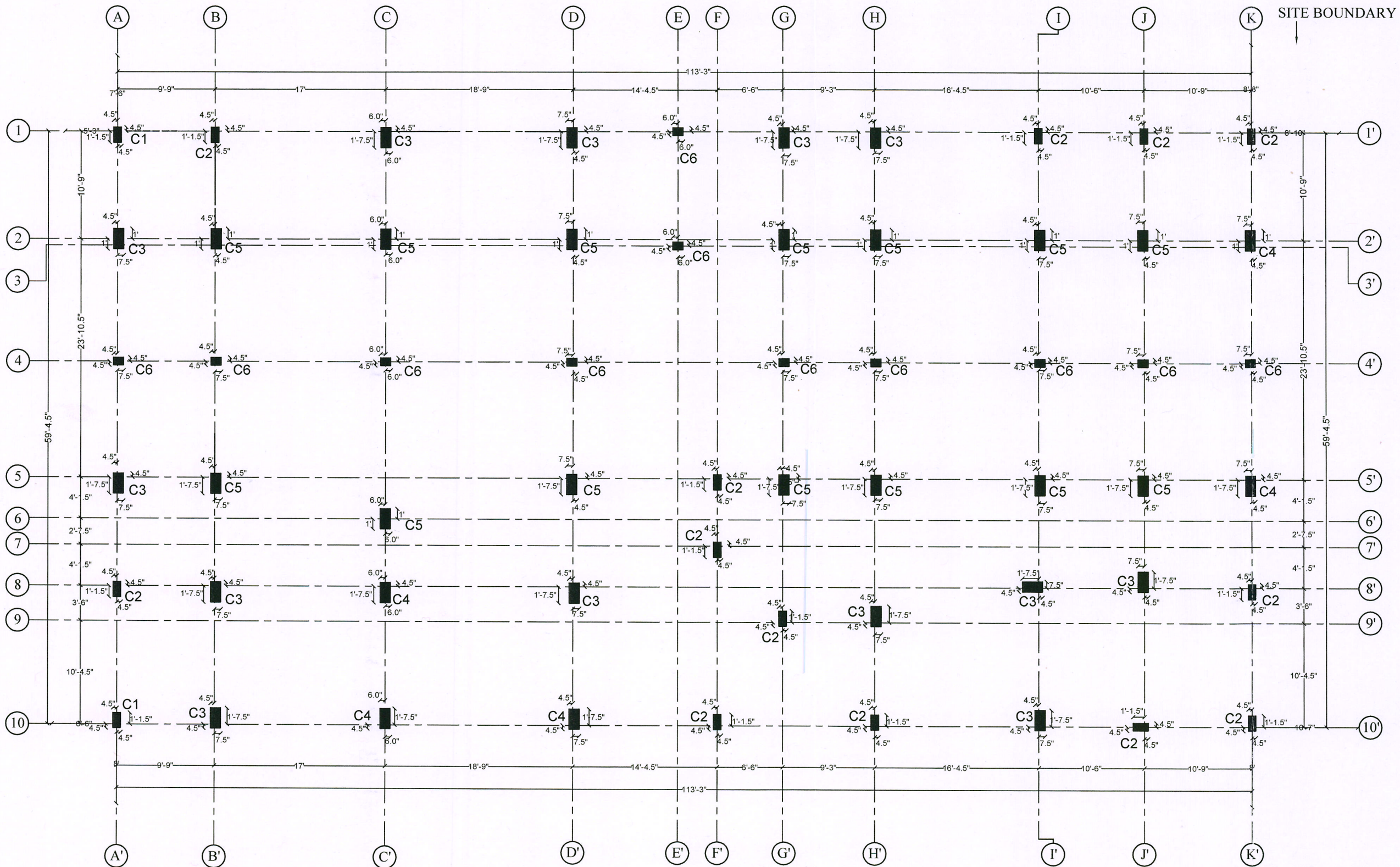
DRAWING TITLE
COLUMN CENTRE LINE
MARKING



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Annanagar, Tennur, Trichy - 17.
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NOTE:

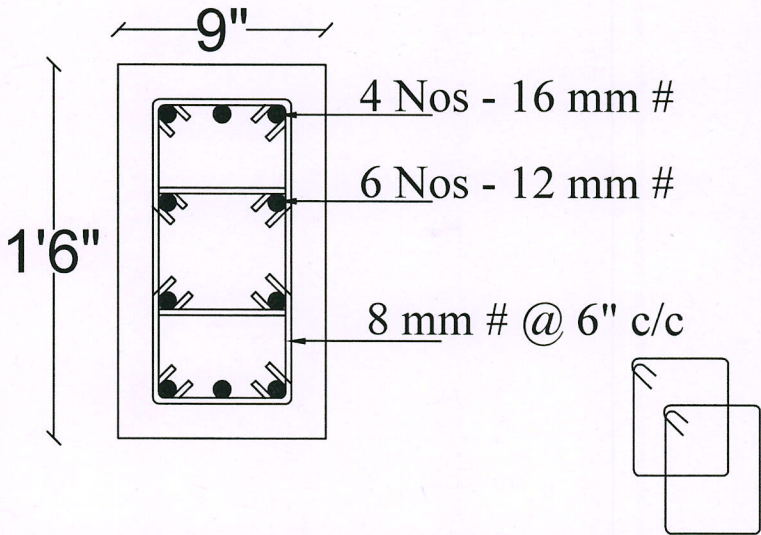
Concrete Grade = M30
Grade of Steel = Fe550
Clear Cover for Column = 40mm
Clear Cover for Footing = 50mm



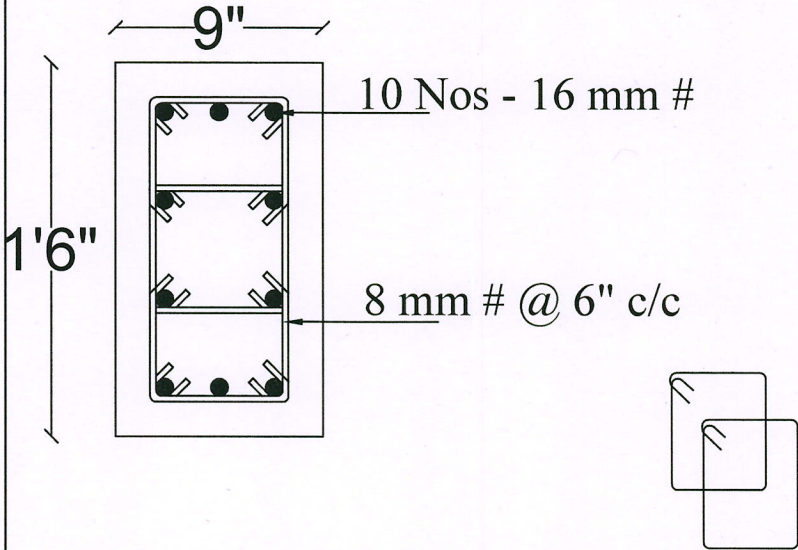
COLUMN CROSS SECTION DETAILS

SHEET NO: 04

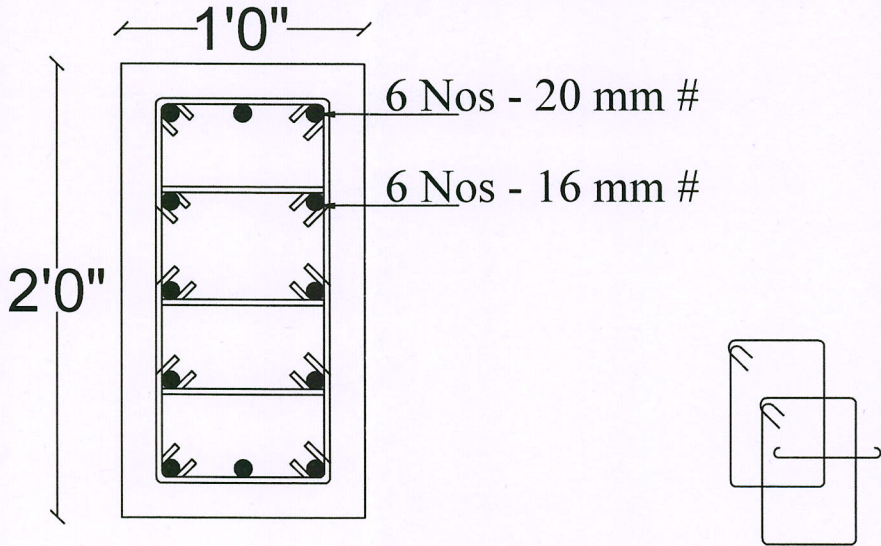
C1 - 750 KN / 2 NOS



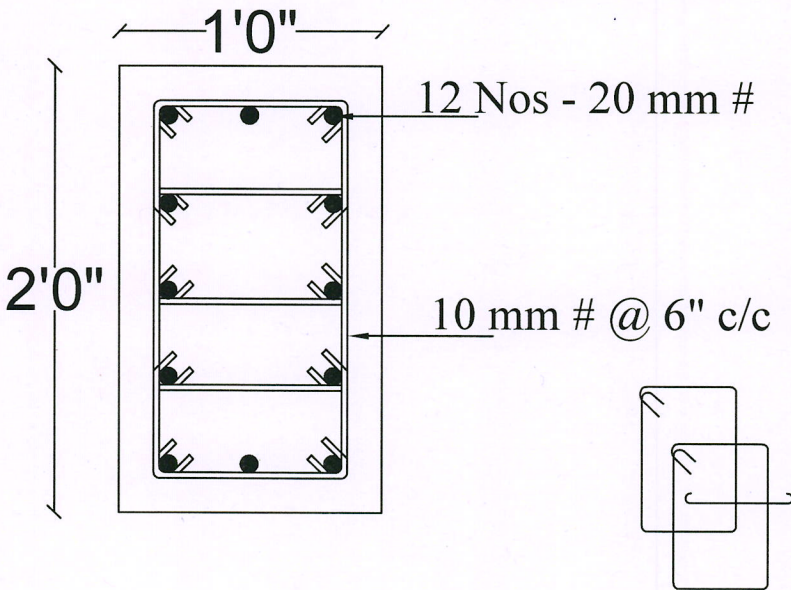
C2 - 1250 KN / 7NOS



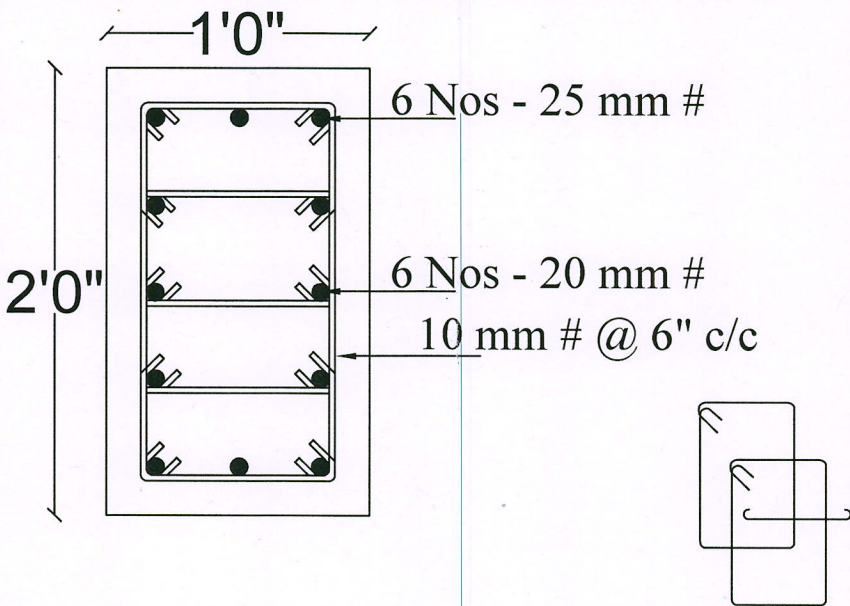
C3 - 1600 KN / 13 NOS



C4 - 2200 KN / 7NOS

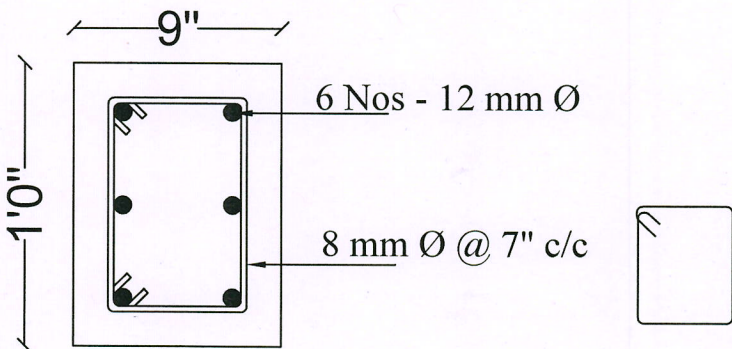


C5 - 2600 KN / 14NOS



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C5- Stub column upto G.L



REMOVAL OF FORM WORKS AFTER CASTING CONCRETE

- A) FOR COLUMNS & BEAM SIDES - 24 Hours
- B) FOR ROOF SLABS BOTTOM
- i) CLEAR SPAN LESS THAN 4.5M - 7 DAYS
- ii) CLEAR SPAN MORE THAN 4.50M - 14 DAYS
- B) FOR ROOF BEAMS BOTTOM
- i) CLEAR SPAN LESS THAN 6M - 14 DAYS
- ii) CLEAR SPAN MORE THAN 6M - 21 DAYS

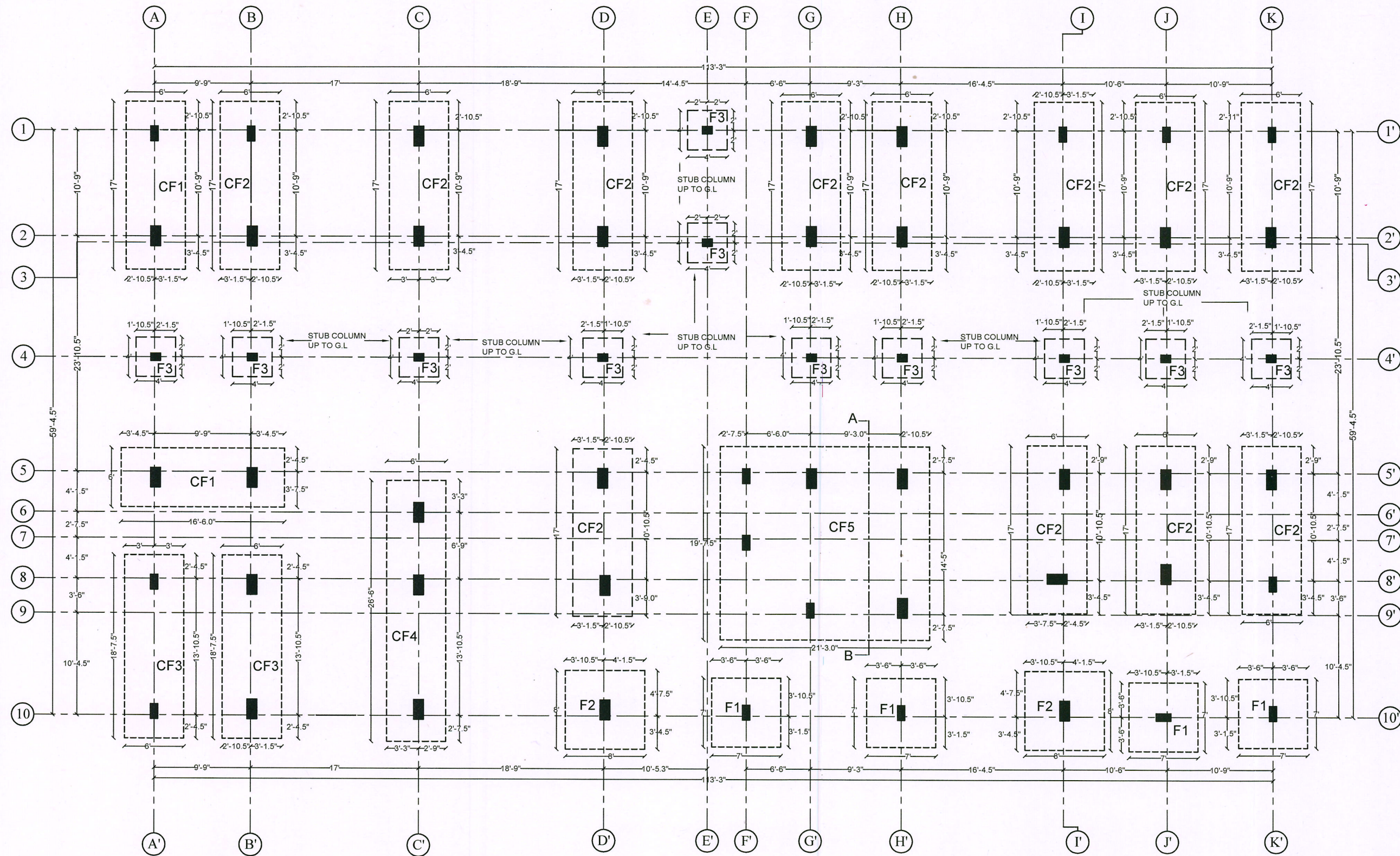
NOTE :

RCC MIX = M30
Reinforcement = Fe550
Clear Cover for Column = 40mm
Clear Cover for Footing = 50mm

FOOTING MARKING

CONSTRUCTION OF
RESIDENTIAL
APARTMENT BUILDING
FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

DRAWING TITLE
FOOTING MARKING

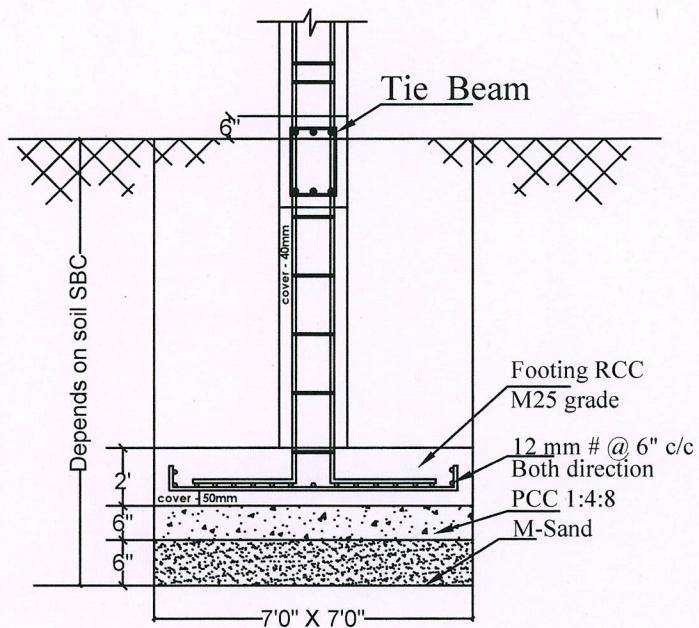


R.V. 1/7/24
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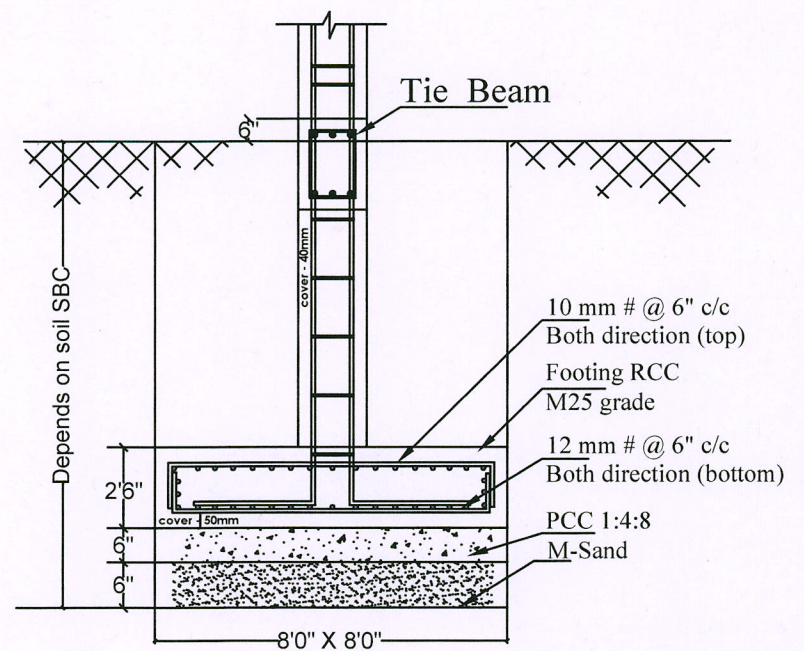
NOTE:

Concrete Grade = M30
Grade of Steel = Fe550
Clear Cover for Column = 40mm
Clear Cover for Footing = 50mm

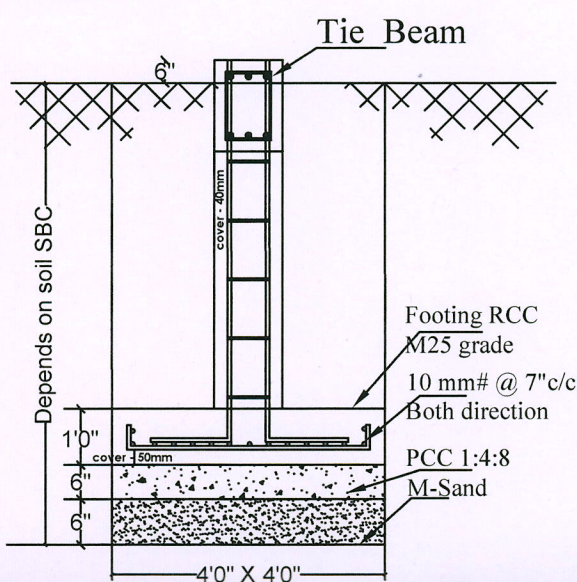
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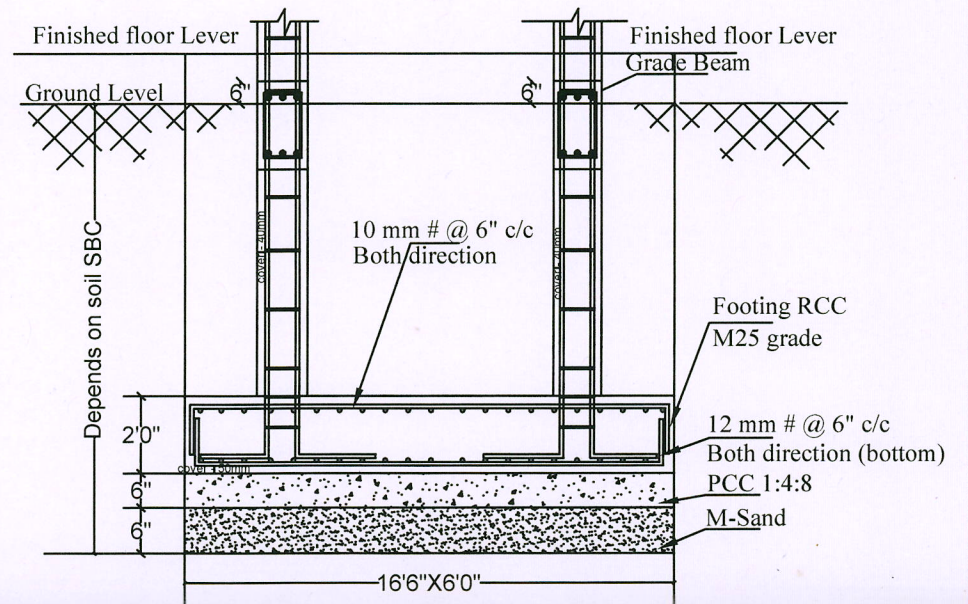
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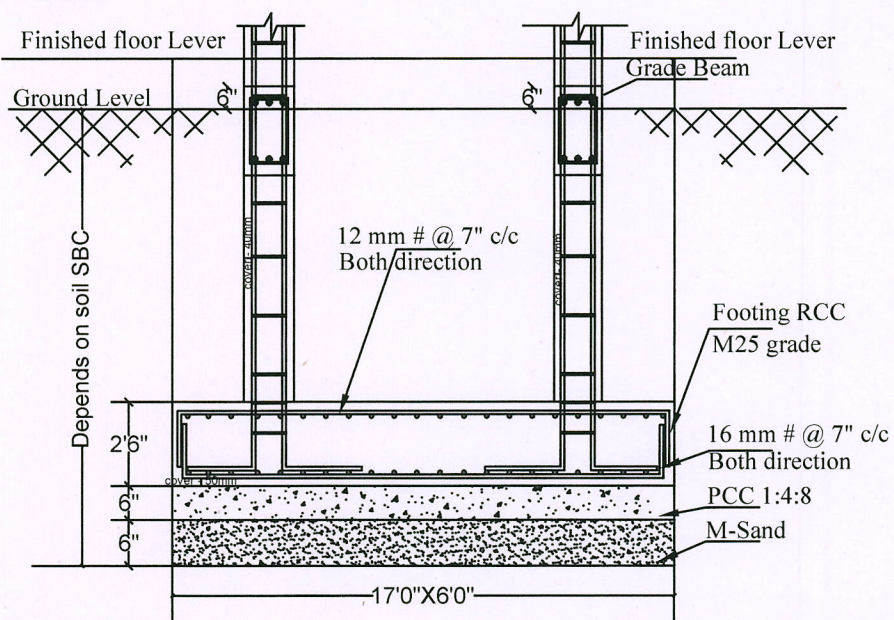
F3 - STUB COLUMN



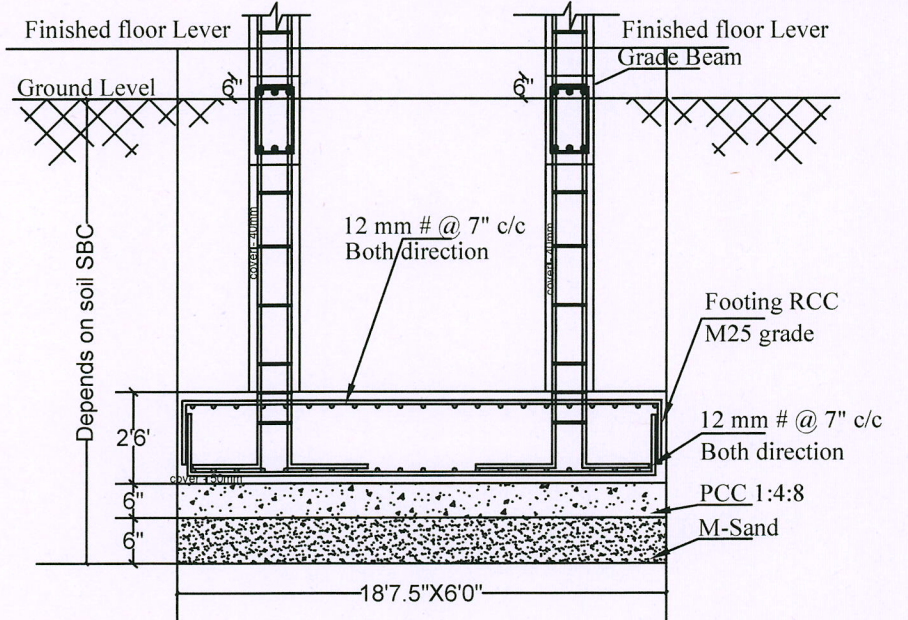
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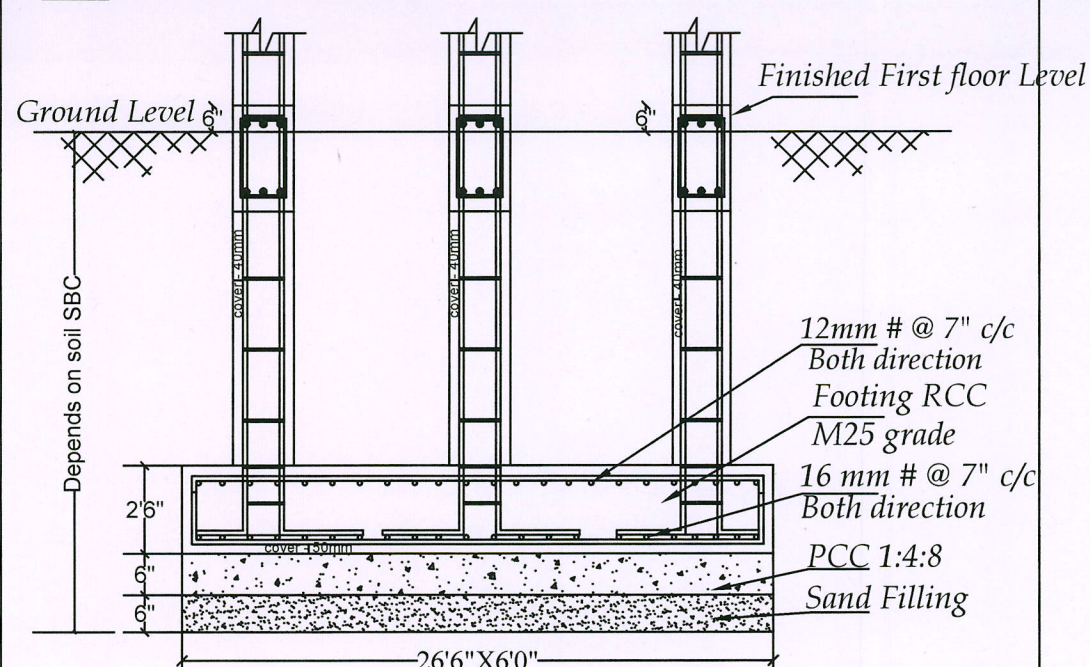
CF2



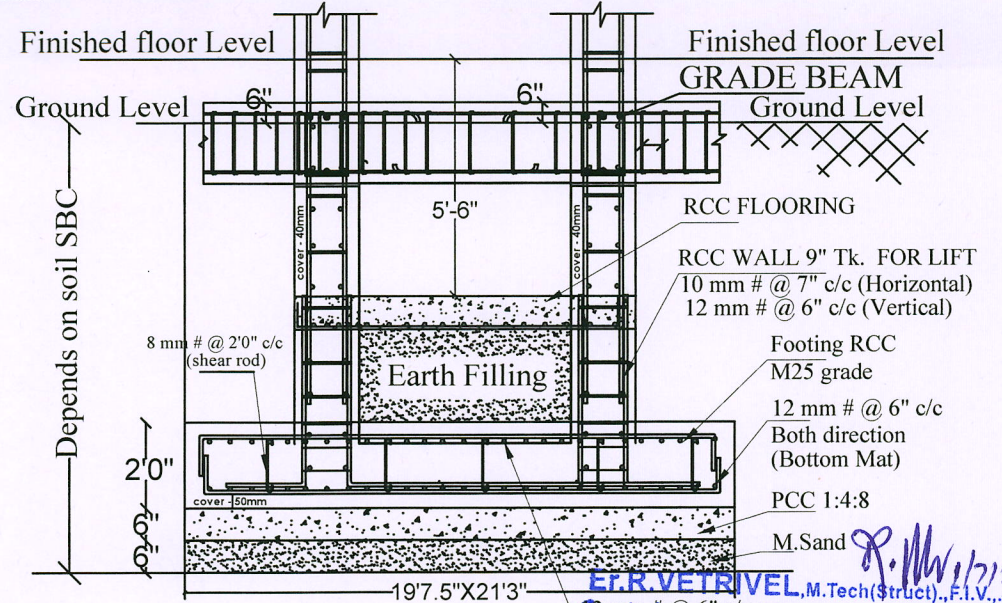
CF3



CF4



CF5



GRADE BEAM DESIGN

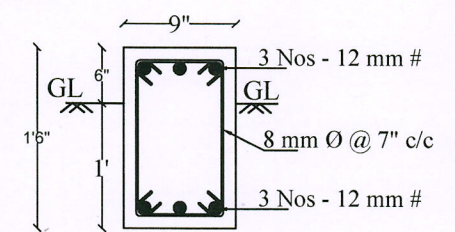
SHEET NO: 07

CONSTRUCTION OF
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FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

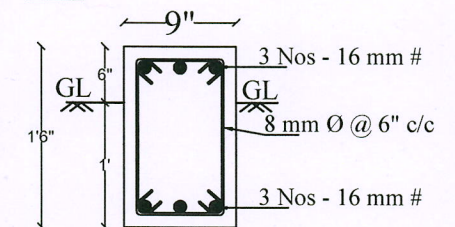
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GRADE BEAM DESIGN



GB1

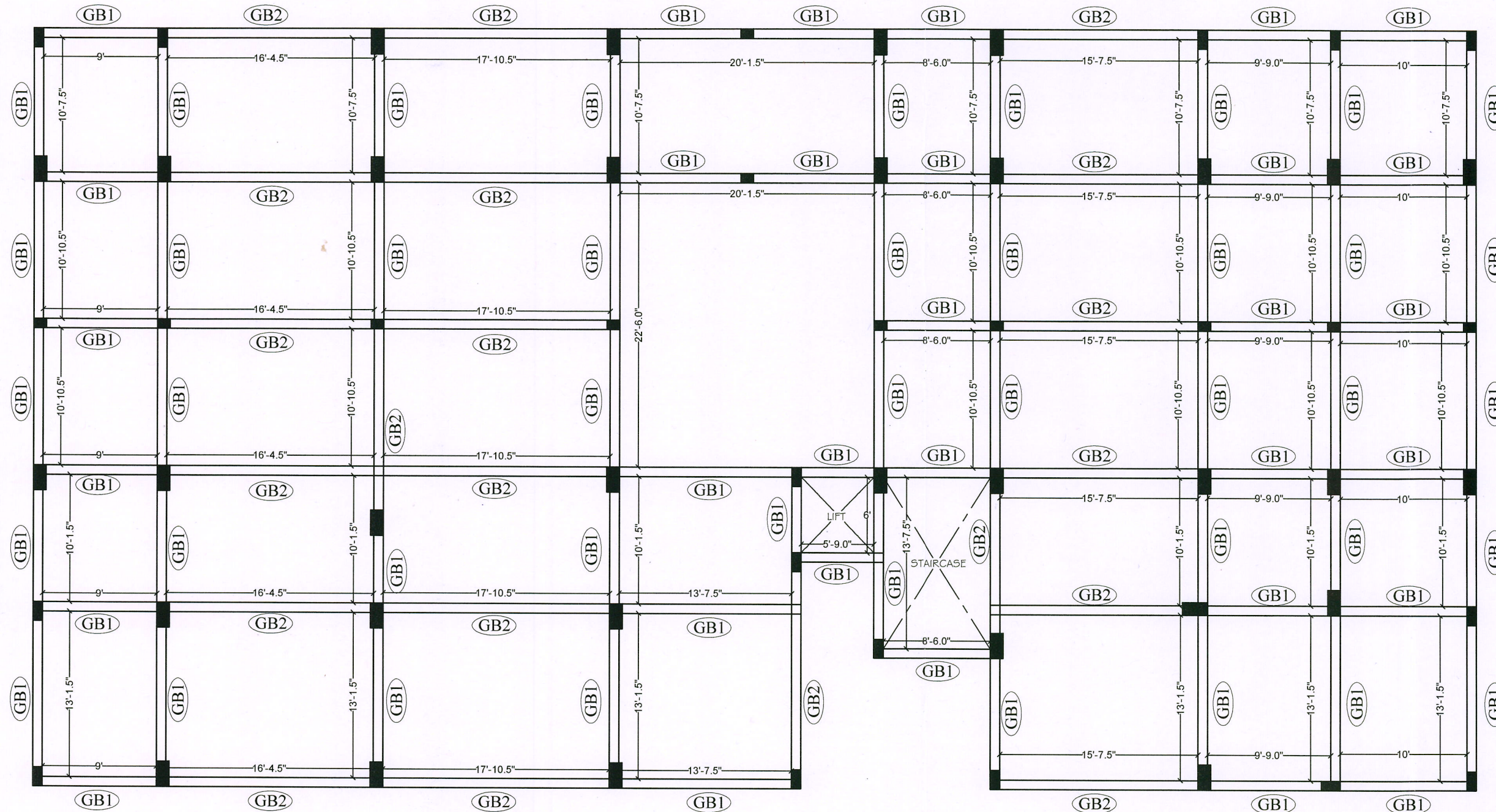


GB2



NOTE:

Concrete Grade = M25
Grade of Steel = Fe550
Clear Cover for Column = 40mm
Clear Cover for Beam = 25mm



[Signature]
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STILT, FIRST, SECOND & THIRD FLOOR
ROOF BEAM DESIGN

SHEET NO: 08

CONSTRUCTION OF
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APARTMENT BUILDING
FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

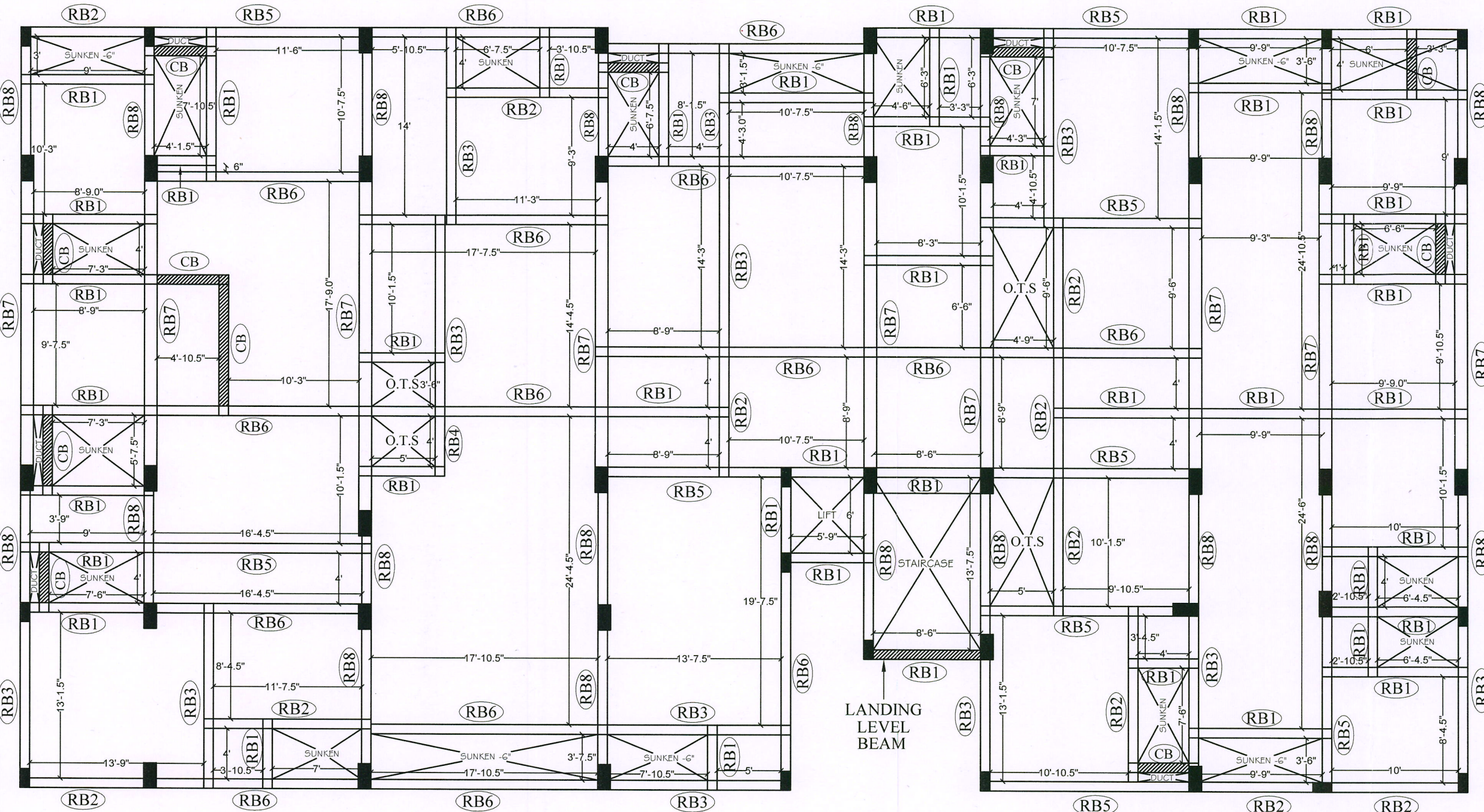
DRAWING TITLE
ROOF BEAM DESIGN



Er. R. Vetrivel
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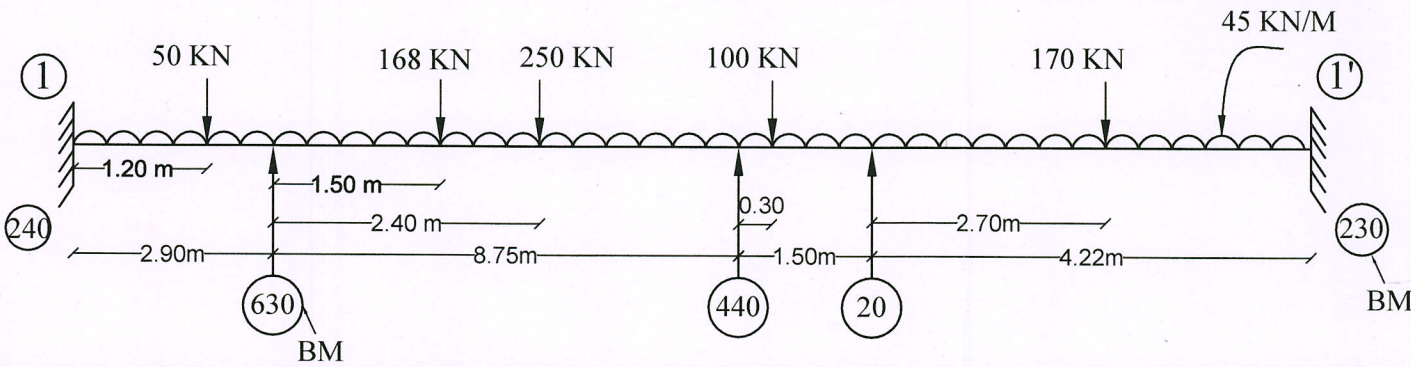
NOTE:

Concrete Grade = M30
Grade of Steel = Fe550
Clear Cover for Slab = 20mm
Clear Cover for Beam = 25mm



CROSS SECTION @ MID SPAN	CROSS SECTION @ SUPPORT	CROSS SECTION @ MID SPAN	CROSS SECTION @ SUPPORT
RB1	RB1	RB4 - Cantilever Beam	RB4 - Cantilever Beam
RB2	RB2	RB5	RB5
RB3	RB3	RB6	RB6
RB7	RB7	Concealed Beam	NOTE: RCC MIX = M30 Reinforcement = Fe550 Clear Cover for Beam = 25mm Clear Cover for Slab = 20mm

BEAM LOADS AND BENDING MOMENT ANALYSIS (maximum load)



STILT, FIRST, SECOND & THIRD FLOOR
ROOF SLAB DESIGN

SHEET NO: 10

CONSTRUCTION OF
RESIDENTIAL
APARTMENT BUILDING
FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

DRAWING TITLE
ROOF SLAB DESIGN

ROOF SLAB DETAILS:-

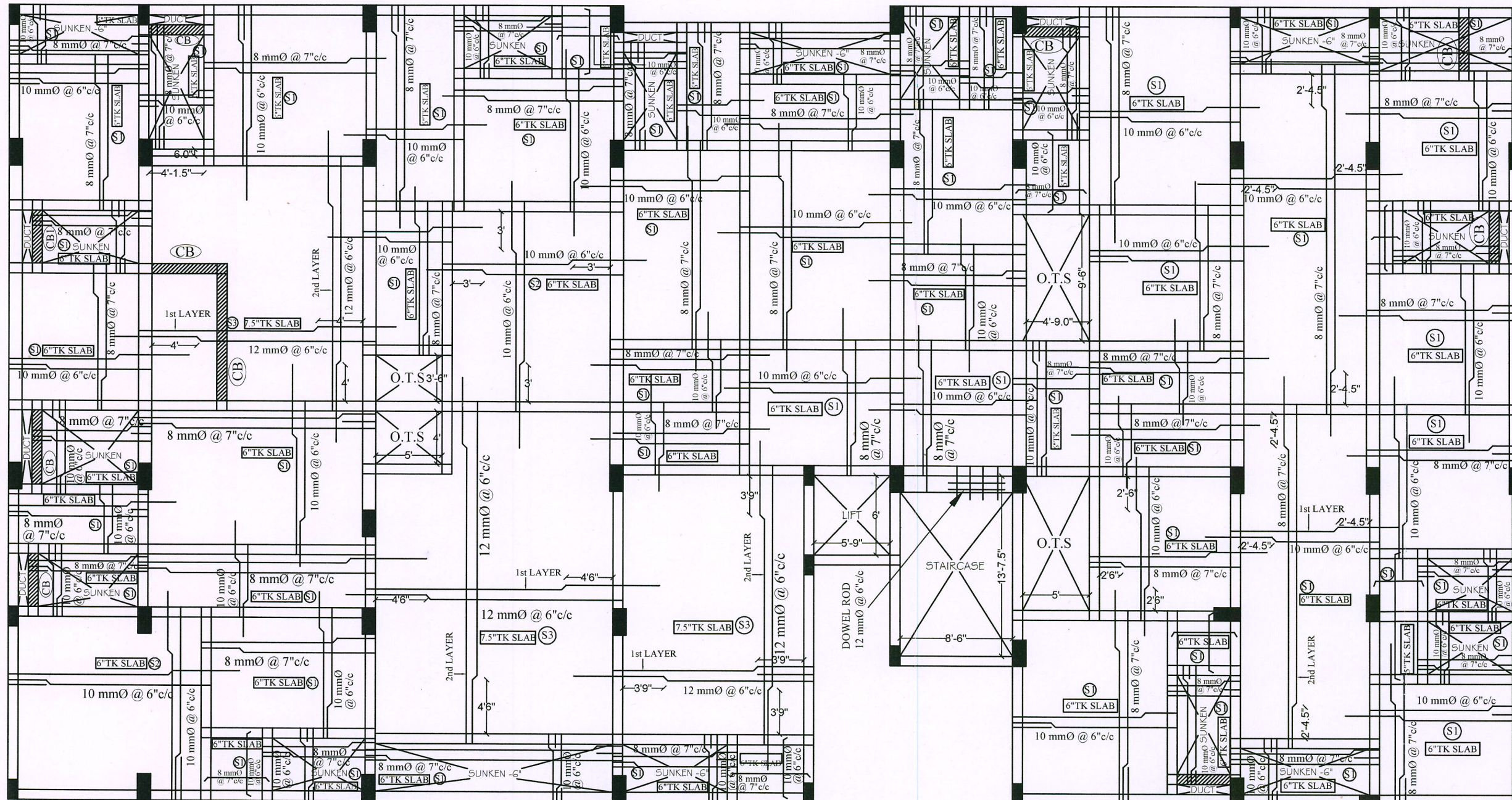
SYMBOL	SLAB THICKNESS	REINFORCEMENT DETAILS
(S1)	6"	10 mm Ø @ 6" c/c (shorter) 8 mm Ø @ 7" c/c (longer)
(S2)	6"	10 mm Ø @ 6" c/c (shorter) 10 mm Ø @ 6" c/c (longer)
(S3)	7.5"	12 mm Ø @ 6" c/c (shorter) 12 mm Ø @ 6" c/c (longer)

NOTE:

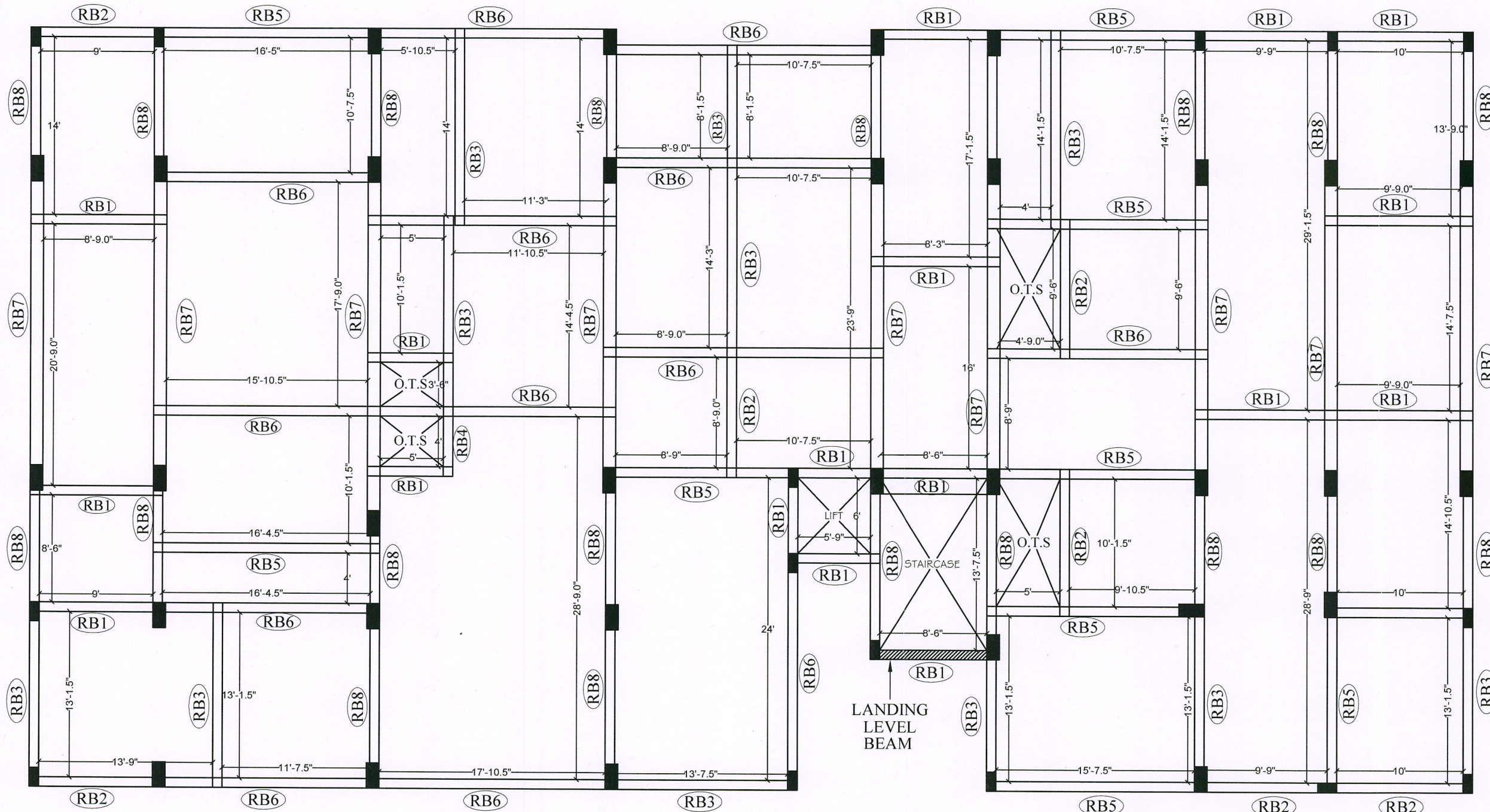
Concrete Grade = M30
Grade of Steel = Fe550
Clear Cover for Beam = 25mm
Clear Cover for Slab = 20mm



Er.R.VETTEL, M.Tech(Struct), F.I.V., C.E(I).
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TERRACE FLOOR
ROOF BEAM DESIGN



SHEET NO: 11

CONSTRUCTION OF
RESIDENTIAL
APARTMENT BUILDING
FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

DRAWING TITLE
ROOF BEAM DESIGN
(TERRACE FLOOR)



Er. R. Vetrivel
Er. R. VETRIVEL, M.Tech (Struct), F.I.V., C.E(I).
Govt. Approved Panel Engineer Class-1A,
Registered Structural Engineer,
Reg. No: SE/Gr. 1/DTCP/TRICHY/June-2024/013
D-382, Gandhiyadigal Street,
Annanagar, Tennur, Trichy - 17.
Cell : 97893 33245.

NOTE:

Concrete Grade = M30
Grade of Steel = Fe550
Clear Cover for Slab = 20mm
Clear Cover for Beam = 25mm

TERRACE FLOOR
ROOF SLAB DESIGN

SHEET NO: 12

CONSTRUCTION OF
RESIDENTIAL
APARTMENT BUILDING
FOR GANESH BUILDERS
@ THILLAI NAGAR TRICHY

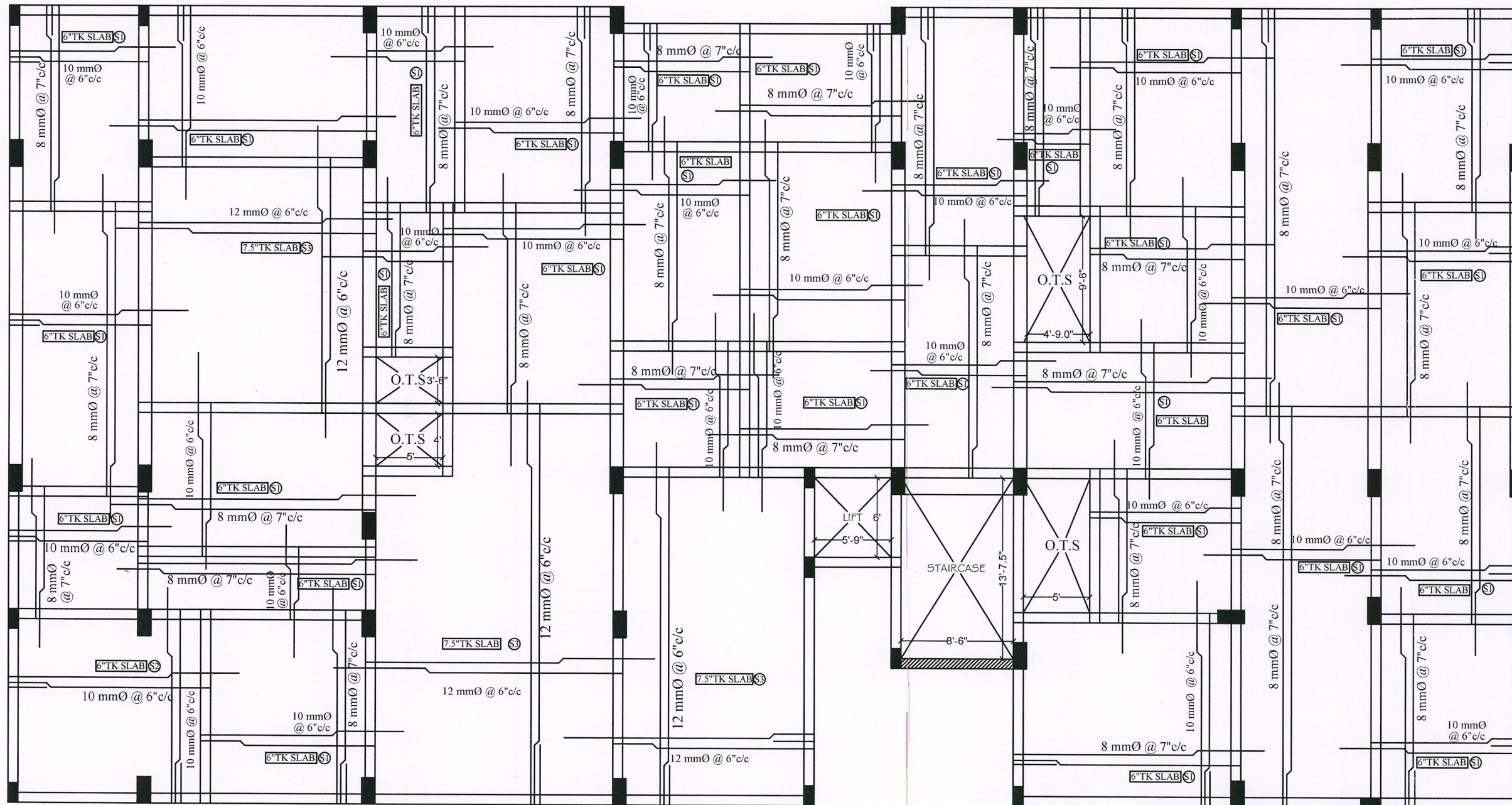
DRAWING TITLE
ROOF SLAB DESIGN
(TERRACE FLOOR)



R. Vetrivel
Er.R.VETRIVEL, M.Tech(Struct), F.I.V., C.E(I).
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Registered Structural Engineer,
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Annanagar, Tennur, Trichy - 17.
Cell : 97893 33245.

NOTE:

Concrete Grade	= M30
Grade of Steel	= Fe550
Clear Cover for Slab	= 20mm
Clear Cover for Beam	= 25mm



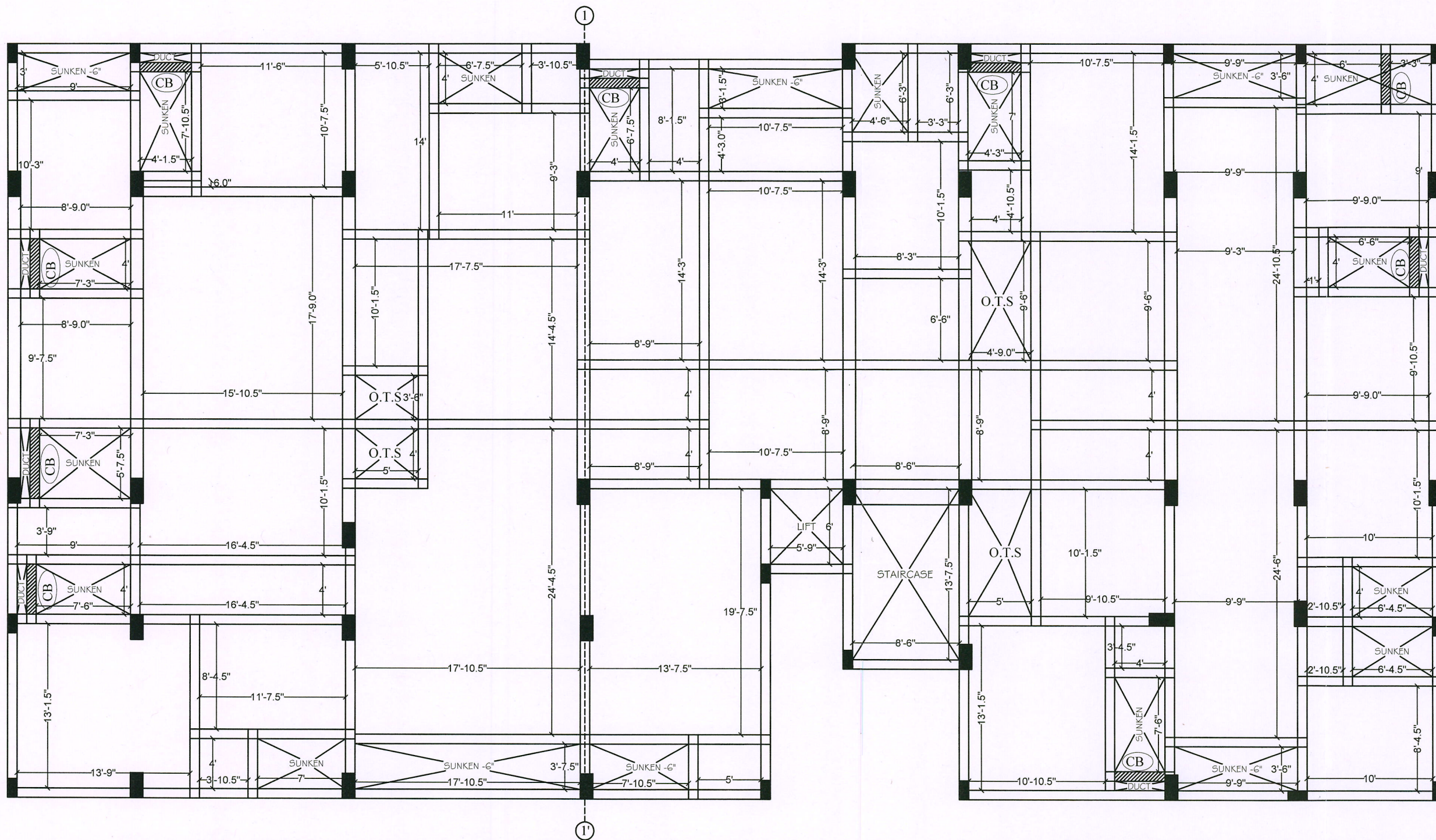
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BENDING MOMENT
ANALYSIS

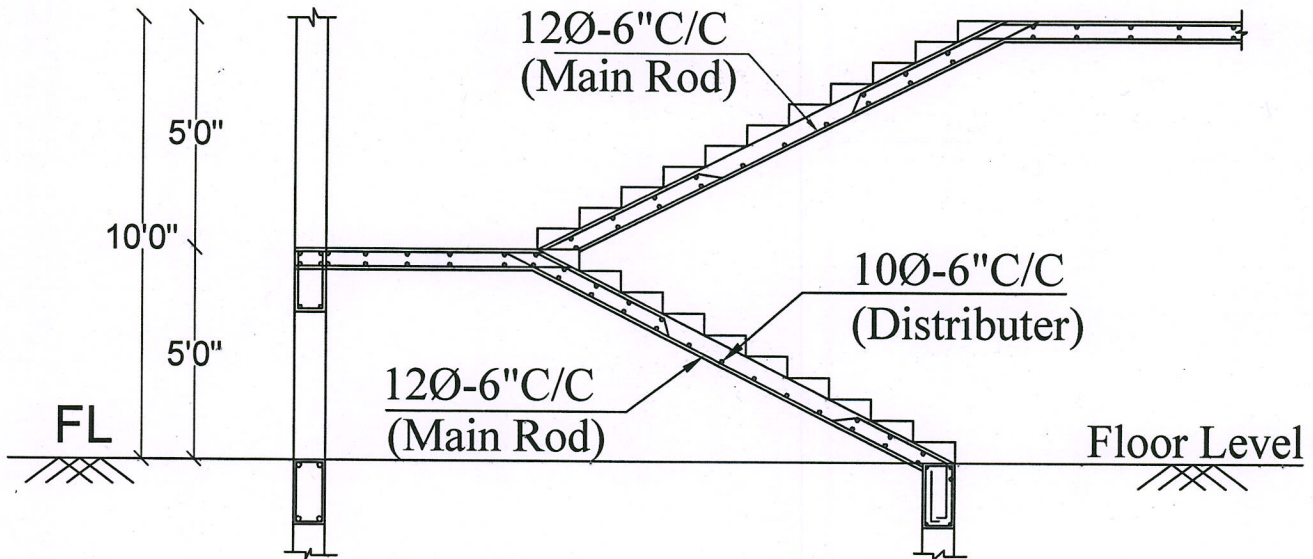


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D-382, Gandhivadigal Street,
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Cell : 97893 33245

NOTE:

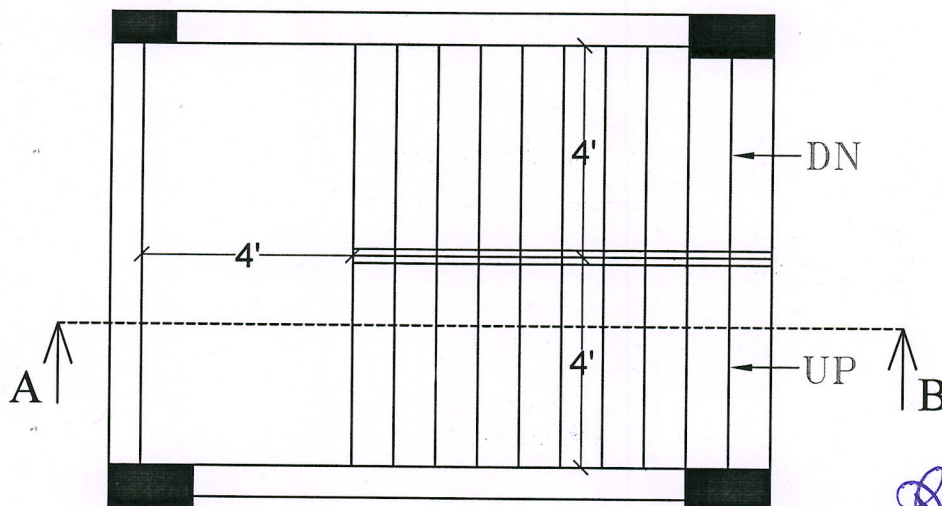
Concrete Grade = M30
Grade of Steel = Fe550
Clear Cover for Column = 40mm
Clear Cover for Footing = 50mm





Tread = 1'0"
Rise = 6"
Waist = 6" tk

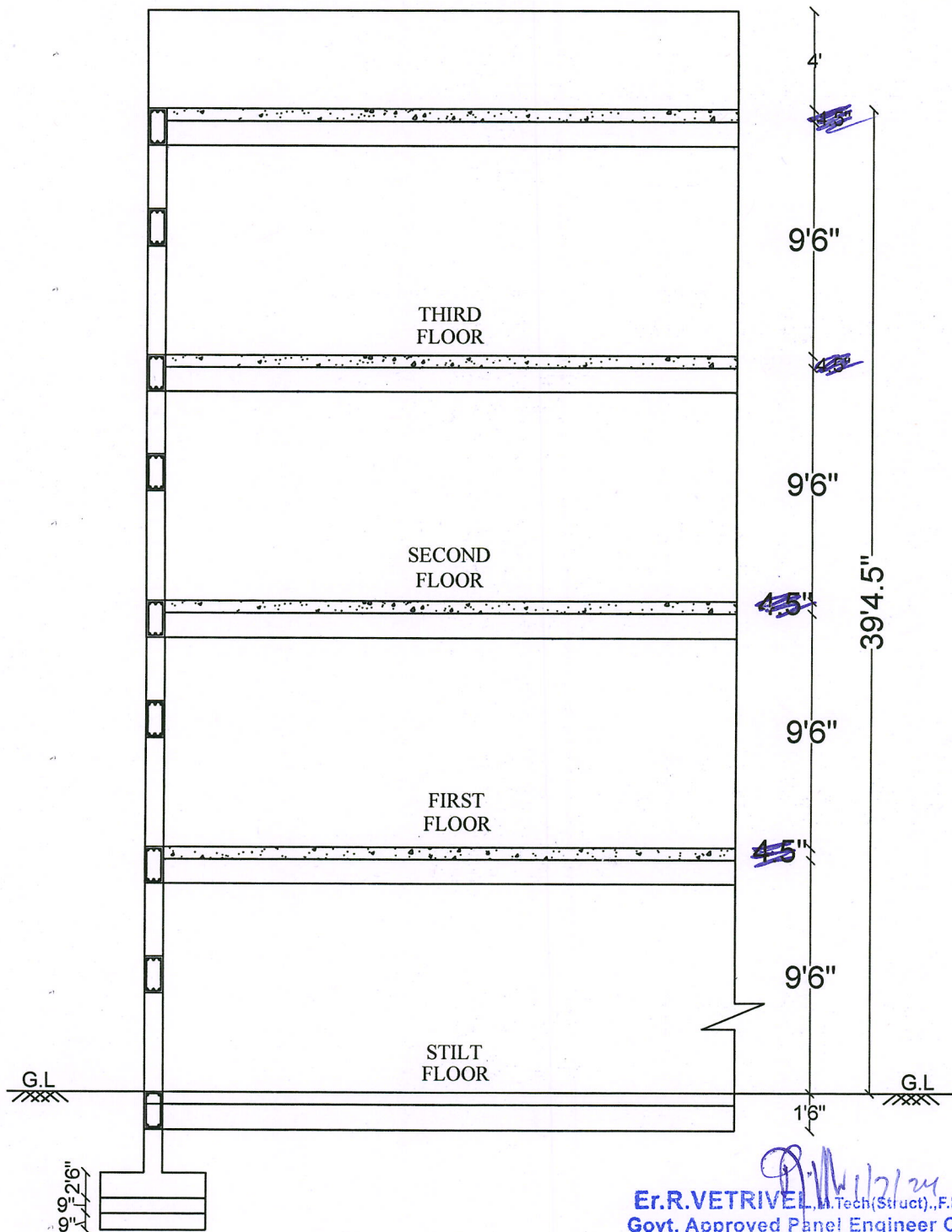
SECTION ON AB



PLAN

STAIRCASE DETAILS

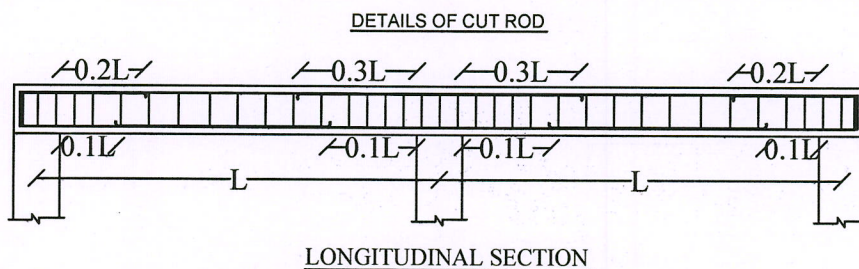
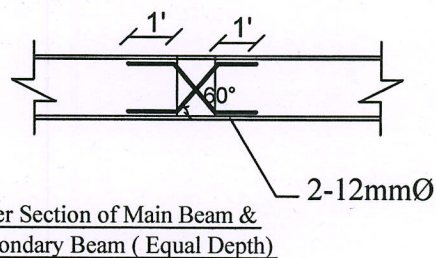
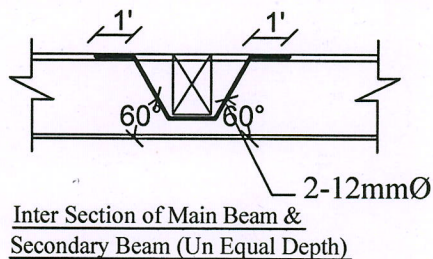
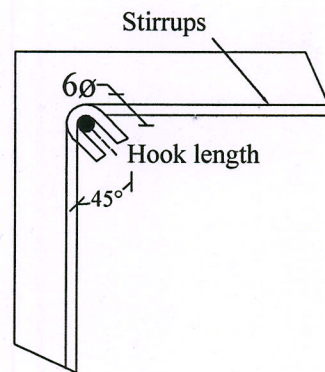
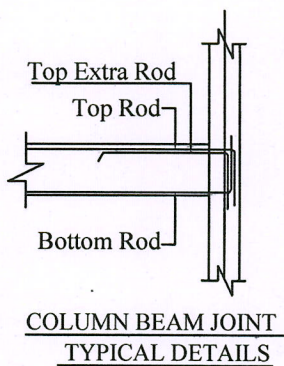
[Signature]
Er.R.VETRIVEL, M.Tech(Struct), F.I.V., C.E(I),
Govt. Approved Panel Engineer Class-1A,
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Reg. No: SE/Gr. 1/DTCP / TRICHY/ June-2024/013
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CROSS SECTION

Note: - REFER APPROVAL PLAN FOR TOTAL

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DEVELOPMENT LENGTH VALUES:

CONCRETE GRADE	STEEL GRADE	TENSION (EX: BEAM, etc.,)	COMPRESSION (EX: COLUMN, etc.,)
M 20	Fe 415	50 x d	40 x d
M 25	Fe 415	42 x d	36 x d
M 30	Fe 415	40 x d	34 x d
M 20	Fe 500	60 x d	48 x d
M 25	Fe 500	50 x d	40 x d
M 30	Fe 500	48 x d	38 x d

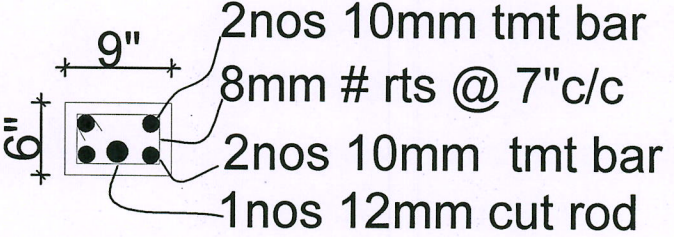
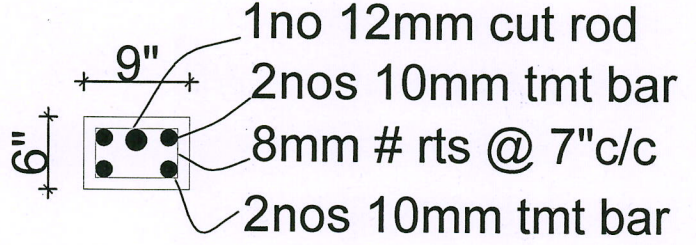
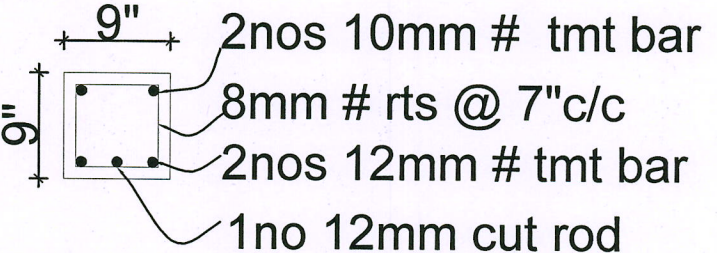
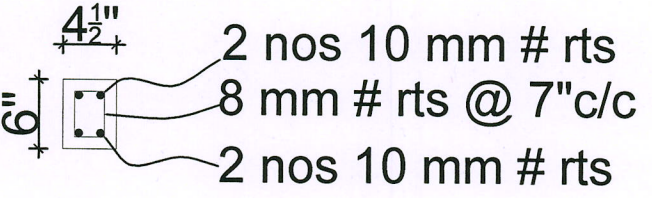
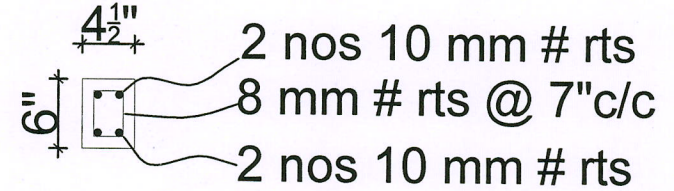
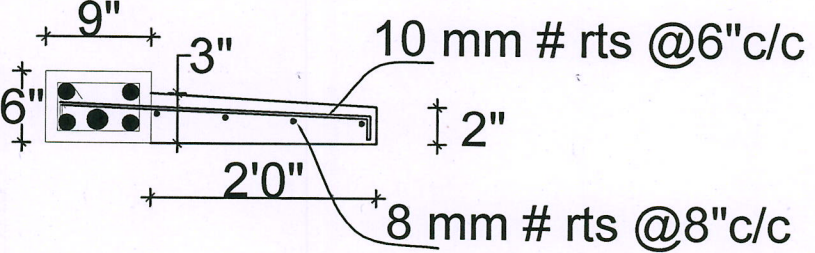
(MAXIMUM CEMENT CONTENT SHOULD BE 450 KGS/CU.M)
(SLUMP SHOULD BE 75 TO 100MM)

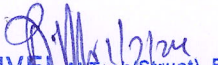
Er.R.VETRIVEL, M.Tech(Struct..F.I.V.,C.E.)
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Registered Structural Engineer,
Reg.No:SE/Gr.1/DTCR/TRICHY/June-2024/013
D-382, Gandhi Nagar Street,
Annanagar, Tennur, Trichy - 17.
Cell : 97893 33245.

GRADE	CEMENT/CUM	WATER CEMENT RATIO	SLUMP
M20	375 KGS	0.55	75 MM TO 100 MM
M25	400 KGS	0.50	
M30	425 KGS	0.45	
M35	425 KGS	0.45	
M40	450 KGS	0.40	

(NOTE:- IF SUPER PLASTICIZER IS USED, THE WATER CONTENT CAN BE REDUCED UPTO 20%)

LINTEL DESIGN

sl.no	SPAN	MID SECTION	SUPPORT SECTION
L1	UPTO 5'0" OPEN	 2nos 10mm tmt bar 8mm # rts @ 7"c/c 2nos 10mm tmt bar 1nos 12mm cut rod	 1no 12mm cut rod 2nos 10mm tmt bar 8mm # rts @ 7"c/c 2nos 10mm tmt bar
L2	6'0" - 8'0" OPEN	 2nos 10mm # tmt bar 8mm # rts @ 7"c/c 2nos 12mm # tmt bar 1no 12mm cut rod	 2nos 10mm # tmt bar 1no 12mm cut rod 8mm # rts @ 7"c/c 2nos 10mm # tmt bar
L3	UPTO 5'0" OPEN IN 4.5" WALL	 2 nos 10 mm # rts 8 mm # rts @ 7"c/c 2 nos 10 mm # rts	 2 nos 10 mm # rts 8 mm # rts @ 7"c/c 2 nos 10 mm # rts
	LINTEL CUM SUNSHADE	 10 mm # rts @ 6"c/c 8 mm # rts @ 8"c/c	


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 Cell : 97893 33245.

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NRI & Investment Services

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Compliance & Special Services

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Guideline Value, Apartment Composite Value, Stamp Duty & Registration Fees Calculator, Building Value Calculator, Capital Gains Calculator, Area Unit Converter, Length Unit Converter



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Encumbrance Certificate (EC) Search, Find Your SRO, Temple Property Check, WAQF Property Check, View Patta/Chitta, View FMB, Patta Analyzer, EC Analyzer



Zoning & Land Use Analysis

Land Use Zone Finder, CRZ Zone Check, Aquifer Zone Check, CBA Check, EWS Check, Road Width Check, Proposed Road Widening Check, FSI Calculator



Property Documentation & Workflow Tools

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