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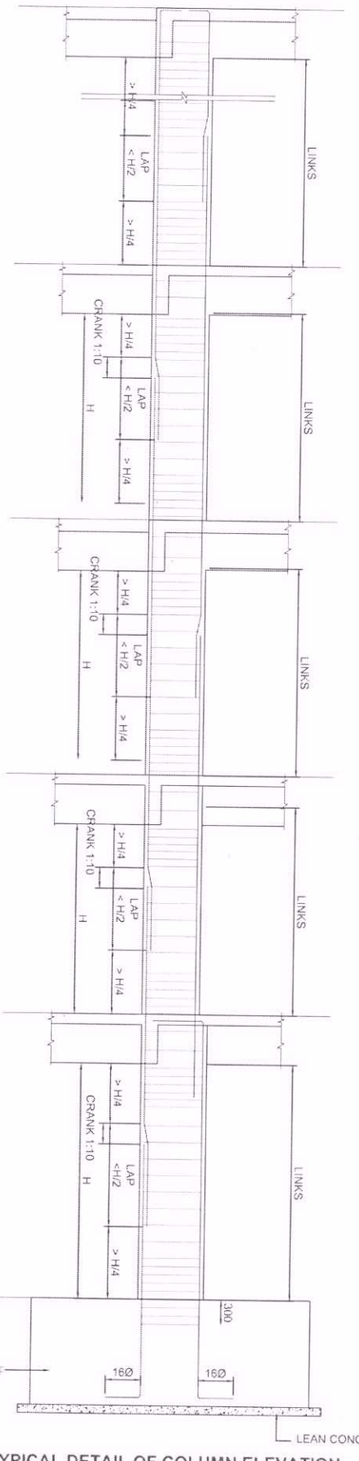
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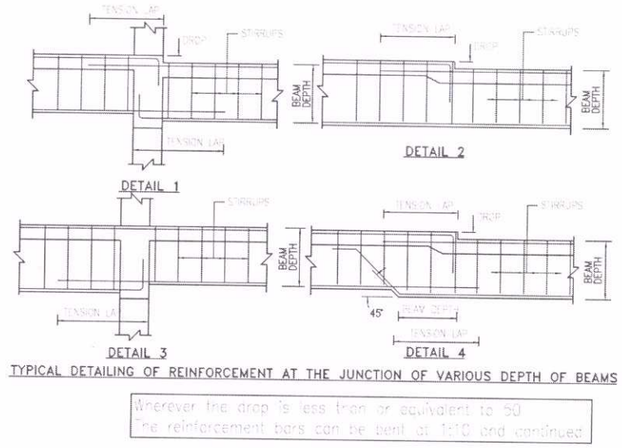
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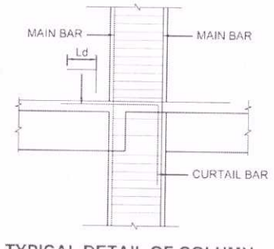


TYPICAL DETAIL OF COLUMN ELEVATION

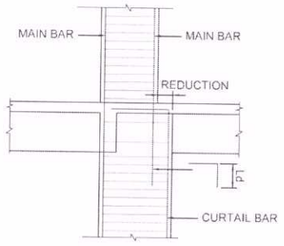


TYPICAL DETAILING OF REINFORCEMENT AT THE JUNCTION OF VARIOUS DEPTH OF BEAMS

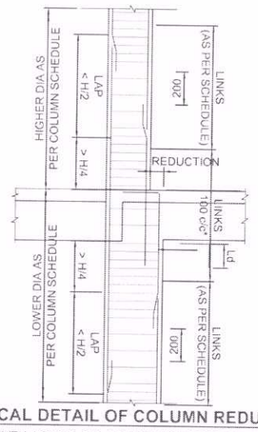
Wherever the drop is less than or equivalent to 50
the reinforcement bars can be bent at 1:10 and continued



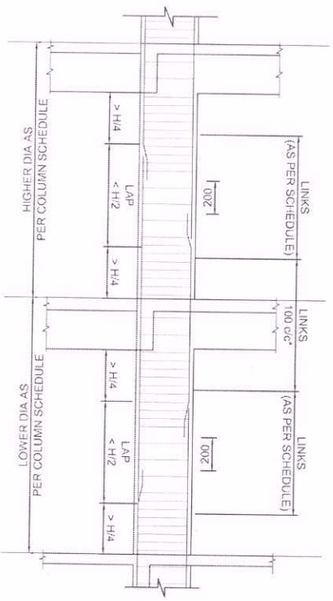
TYPICAL DETAIL OF COLUMN MAIN STEEL CURTAILMENT



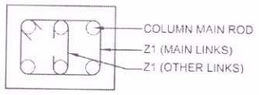
TYPICAL DETAIL OF COLUMN REDUCTION
(WITH OUT CHANGE IN DIA AND NUMBER OF BARS)



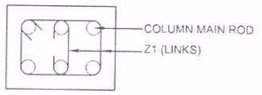
TYPICAL DETAIL OF COLUMN REDUCTION
(WITH LOWER DIA BELOW AND HIGHER DIA ABOVE)



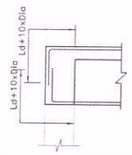
SPLICING DETAILS OF COLUMN
(WITH LOWER DIA BELOW AND HIGHER DIA ABOVE)



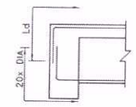
Z1- Special confining reinforcement



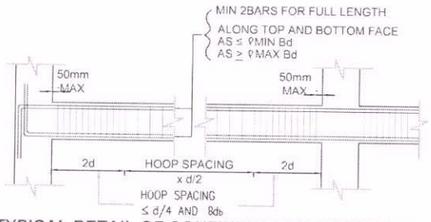
Z2 - Remaining zone reinforcement



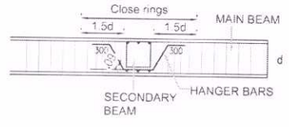
TYPICAL BEAM ANCHORAGE DETAILS
TYPE-1 BEAM RESTING ON COLUMN



TYPICAL BEAM ANCHORAGE DETAILS
TYPE-2 BEAM RESTING ON BEAM



TYPICAL DETAIL OF CONFINED REINFORCEMENT
(IN BEAMS)



TYPICAL DETAIL OF HANGER BARS

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:
1. All Dimensions are in feet & inches.
2. Grade of Concrete shall be M25
3. Clear cover to main reinforcement shall be as follows:
   a) Walls = 20 mm. b) Slab = 20 mm. C) Pile Cap = 50 mm
   d) Beams = 20 mm e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered, unless otherwise specified
5. P.C.C levelling Course 1:3:6 below Pile Cap and Tie Beam
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-8") before going for actual piling
8. This structure is Designed 'STILT+5'
9. Seismic Considered in Design

REVISIONS				
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REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S=05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS			
Designed K.LOGANATHAN	Date 15-05-2025	Drawing Title	PILE DETAILS
Drawn K.LOGANATHAN	Sheet Size A3	Drawing Number	PB/STR -001A
Checked/ Approved K.LOGANATHAN	Scale 1:100	Rev	00

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STRUCTURAL ENGINEER:

GENERAL NOTES

These general notes apply to all drawings. The standard provisions specified here under shall apply to all relevant portions of the structural works & shall form part of this contract.

1. VERIFICATION OF DIMENSIONS & LEVELS

The Contractor shall verify all dimensions & levels on site, & resolve all discrepancies with Architect or Engineer prior to commencement of work. Drawing indicates general & typical details of construction. Where conditions are of similar character to details shown & although not spcifically indicated, similar details of construction shall be used & subjected to review by the Engineer.

2. INCORPORATION OF M&E REQUIREMENTS IN THE STRUCTURE

The Contractor shall be solely responsible for ensuring total coordination of Structural, M&E penetrations drawings of services & submit such shop drawings to the Architect/Engineer for review & approval prior to commencement of work. These shop drawings shall incorporate all mechanical, electrical & sanitary works to embedded in concrete & all openings for all pipe or duct works, based on the requirements of M&E drawings in his possession.

He shall check & resolve all discrepancies with the respective Engineer prior to placement of concrete.

3. LEAN CONCRETE FOR SUSPENDED STRUCTURES

Unless otherwise stated, 50mm thick lean concrete with a minimum 28days cube strength of 10N/mm2 shall be provided on all soil surfaces forming the underside of structural concrete members.

4. STRUCTURAL ELEMENTS ON GRADE

Unless otherwise stated, a single layer of 0.25mm (heavy duty) polythene sheet, or equivalent thermoplastic material, laid over a compacted 150mmthick layer of hardcore blinded with sand to prevent grout loss by seepage into the ground shall be provided on all soil surfaces forming the underside of the non-suspended slabs.

5. SUBGRADE UNDER STRUCTURAL ELEMENTS

Where, the Contractor requires removal & subsequent backfill of sub grade prior to casting of pile cap/wall/beam/slab, he shall ensure that the backfill is of approved material & the compaction of backfill is carried out in 150mm layers. The Contractor shall exercise proper skill & care to avoid damage to adjacent installed structures arising from his construction sequence.

7. CONSTRUCTION LOAD & SHORING

Construction live load imposed on any single floor shall not exceed the design load of the floor otherwise approved by the Engineer.

No allowance has been made in the design of the beams/walls for the support of temporary scaffolding. The contractor shall ensure that the loads on these beams do not exceed the design load & if necessary the contractor shall strengthen the beams to support the construction loads.

8. STARTER BARS FOR WALLS & COLUMNS

Starter bars from the structural floor system for RC walls, & columns shall correspond in number & size to the reinforcement in the wall or column in which they are to embedded. All starter bars for work not carried out within one month after placement shall be protected with cement wash coating.

Prior to concreting works, the cement wash coatings or other existing coatings shall be removed to the satisfaction of the Engineer.

9. STANDARDS & CODES OF PRACTICE

Where applicable all materials & workmanship shall conform to the latest issue of the relevant Indian standards or the following British standards

(A) IS516 Method of test for strength of concrete.

(B) IS1566 Specification for hard drawn steel wire fabric for concrete reinforcement.

(C) IS1786 Specification for high strength deformed steel bars & wires for concrete reinforcement.

(D) IS432 Specification for mild steel & medium tensile steel bars & hard drawn steel wire for concrete reinforcement.

(E) IS2911 Code of practice for design and construction of file foundations.

(F) IS4326 Code of practice for earthquake resistant design & construction of buildings.

(G) IS9103 Specification for admixtures for concrete.

(H) IS456 Plain and reinforced concrete code of practise.

(I) IS800 Code of practise for General construction of steel.

(J) IS13920 Ductile Detailing of Reinforced Concrete Structures, Subjected to Seismic Forces

10. CONCRETE

The structural elements shall have the minimum 28days compressive cube strength as specified below:

Lean concrete : M10/15 (15 N/mm2)

Beam & Slab : M25 (25/N/mm2)

Columns & Walls : M25 (25 N/mm2)

Footings : M25 (25 N/mm2)

11. CONSTRUCTION JOINTS

a) For a vertical construction joint, a stopping board shall be fixed previously at the pre determined position and shall be properly stayed for sufficient lateral rigidity to prevent its displacement or bulging when concrete is compacted against it.

b) Concreting shall be continued right up to the board.

c) The board shall not be removed before the expiry of the specified period for removal of vertical forms.

d) Before resuming work at a construction joint where the concrete has not yet fully hardened, all laitance shall be removed thoroughly, care being taken to avoid dislodgement of coarse aggregates.

e) When work has to be resumed on a surface, which has hardened, the surface shall be thoroughly hacked, swept clean, wetted and covered with a layer of neat cement grout. The neat cement grout shall be followed by 15 mm thick layer of mortar mixed in the same proportion as in the concrete and concreting resumed immediately thereafter.

f) The first batch of concrete shall be rammed against the old work to avoid formation of any stone pockets, particular attention being paid to corners and close spots.

g) Fresh concrete should be throughly vibrated near construction joints so that mortar from the new concrete flows between large aggregates and develop proper bond with old concrete.

CONSTRUCTION JOINT IN STRUCTURAL ELEMENTS-

1) SLABS : AT MIDDLE ONE THIRD OF SPAN

2) BEAMS : AT MIDDLE ONE THIRD OF SPAN IF ANY CROSS BEAMS ARE LOCATED IN THE REGION THE JOINT SHALL BE LOCATED TWO TIMES THE WIDTH OF THE BEAM AWAY FROM THE BEAM.

3) RETAINING WALL : AT THE PROJECTION OF THE WALL AND FOOTING WITH A KEY JOINT AND AT MIDDLE OF VERTICAL SPAN, VERTICAL JOINTS TO BE AVOIDED.

4) RAFT SLAB : AT MIDDLE ONE THIRD OF THE SPAN.

5) CANTILEVERS . CONSTRUCTION JOINT SHALL NOT BE PROVIDED IN CANTILEVERS

12. STEEL REINFORCEMENT

The minimum yield strength of steel reinforcement shall be as follows:

High tensile deformed bar = 500 N/mm2

Steel fabric = 500 N/mm2

Bars of size 8mm diameter & larger shall be high tensile deformed bars, unless otherwise shown.

13. COVER

Unless otherwise stated, the concrete cover to all reinforcement bars shall be not less than :

Exposed to weather or in contact with earth

but pour against form	35mm
Concrete pour against earth	50mm
Slabs	20mm or bar diameter (which ever is greater)
Foundations	50mm or bar diameter (which ever is greater)
Beams	25mm or bar diameter (which ever is greater)
Columns	40mm or bar diameter (which ever is greater)
Shear Wall	30mm or bar diameter (which ever is greater)

14. UNLESS STATED OTHERWISE LAPPING/ANCHORAGE LENGTH (TENSION/COMPRESSION) OF REINFORCEMENT TO BE AS FOLLOWS:

CONC. MIX	BAR TYPE	BAR DIAMETER								
		8	10	12	16	20	25	32	40	
20	HYSD	400	500	600	800	1000	1250	1600	2000	
25	HYSD	350	450	500	650	850	1050	1300	1650	
30	HYSD	300	400	500	650	800	1000	1250	1550	
35	HYSD	300	350	400	550	700	850	1100	1350	
40/50	HYSD	300	300	400	500	600	750	1000	1200	

a) No splices shall be made at points of maximum stress. e.g., Top bars is Beams and Slabs should be spliced at mid span and bottom bars at supports. Splices shall be staggered wherever possible.

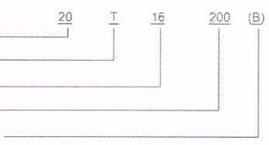
b) Cranking of column bars should not exceed a slops of 1 in 10 wherever possible, not more than 50% of column bars should be spliced at one section. All column splices shall be based on tension lap lengths.

c) If the percentage of reinforcement in column is more than 4%, then, not more than 30% of total number of bars in column can be lapped at any one section. If more than 30% of total bars are required to be lapped at one level, the lapping position of the bars shall be staggered, to ensure that lapped bars at any section does not exceed 30% of the total bars.

d) If the percentage of column reinforcement is less than 4% then, not more than 50% of number of bars can be lapped at any one section.

e) If the percentage of column reinforcement is less than 2% then, if necessary all the bars can be lapped at the same position with required tension lap length.

15. BAR NOTATION



16. FLOOR RENDERING

Thickness of screed rendering/mass concrete topping exceeding 50mm shall reinforcement with one layer of mesh Ø 6.

17. MOVEMENT CRACKS

All visible cracks in newly cast concrete shall be sealed by pressure grouting before application of finishes.

18. EARTHWORK & CONSTRUCTION BELOW EXISTING GROUND LEVEL

All earthworks shall be in accordance with the requirements of structural and architectural drawings and specifications.

The contractor shall allow in his tender for all necessary temporary works such as sheet pile wall etc., for the excavation and construction of basements and other underground works. The contractor shall be responsible for temporary works. All temporary works shall be designed by a professional engineer . The contractor shall submit the design calculation and drawings of temporary works to the Engineer or Architect prior to the commencement of excavation works.

For all excavations including but not limited to pilecaps , pits and trenches below ground level , culverts, basements and drain / pipe trenches . The contractor shall be responsible for the design and provision of adequate shoring and strutting to the satisfaction of the Engineer. Details of the shoring and strutting shall be submitted to the Engineer prior to the commencement of excavation works.

19. CENTERING & SHUTTERING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND PROVISION OF ADEQUATE SHUTTERING,SCAFFOLDING AND SUPPORTING.

20. COLUMN & BEAM REINFORCEMENT DETAILS

COLUMN & BEAM STIRRUPS HOOKS TO BE BENT INWARD, KEPT STRAIGHT WILL NOT BE ALLOWED.

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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NOTES:

1. All Dimensions are in feet & inches.
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3. Clear cover to main reinforcement shall be as follows; a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm d) Beams = 20 mm e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered unless otherwise specified
5. P.C.C leveling Course 1:3:6 below Pile Cap and Tie Beam
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-8") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

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REV.	DATE	DESCRIPTION	CHKD	APP.
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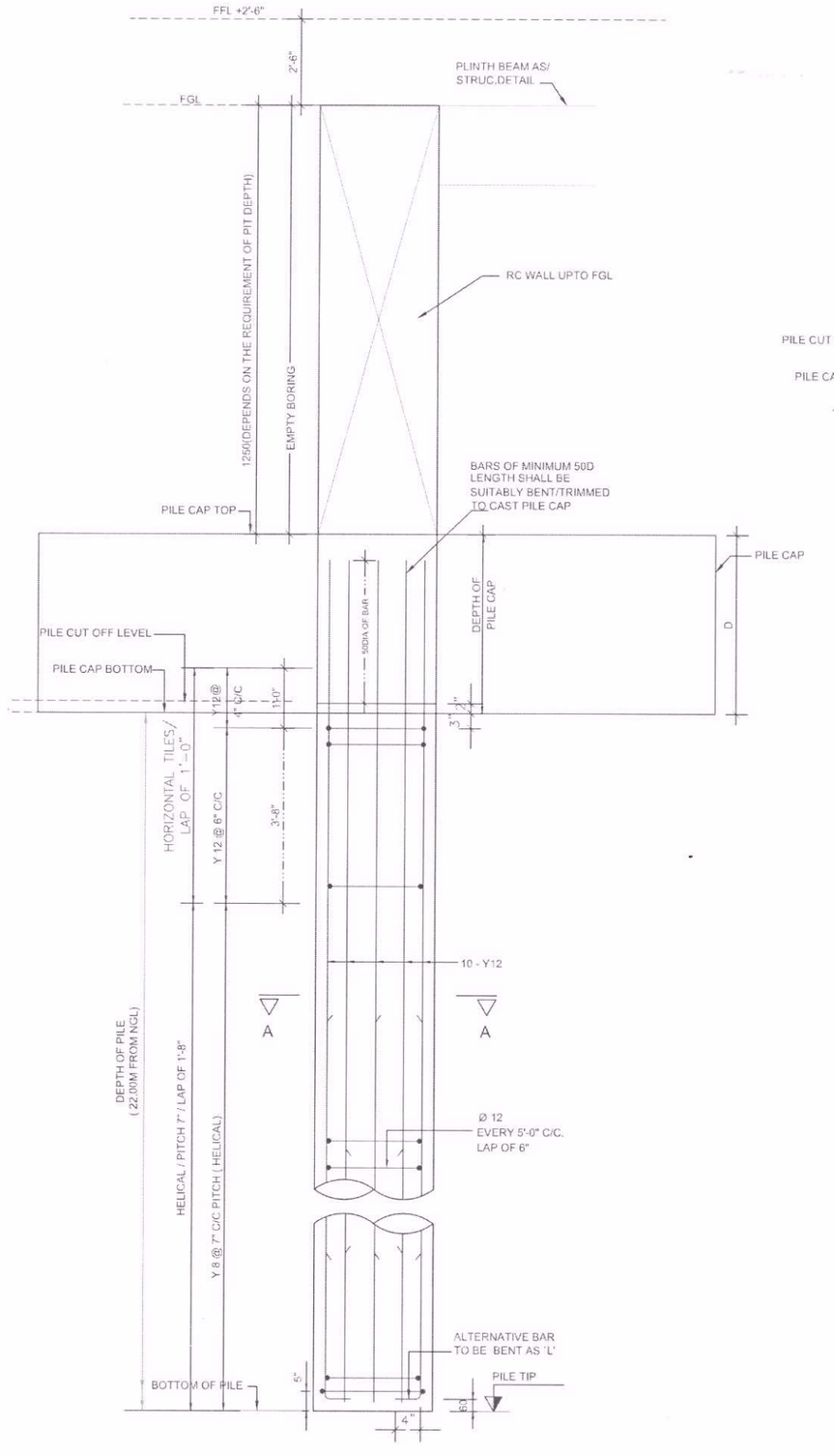
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Drawn	K.LOGANATHAN
Checked/ Approved	K.LOGANATHAN
Date	15-05-2025
Sheet Size	A3
Scale	1:100

Drawing Title: PILE DETAILS

Drawing Number: PB/STR -001B Rev 00

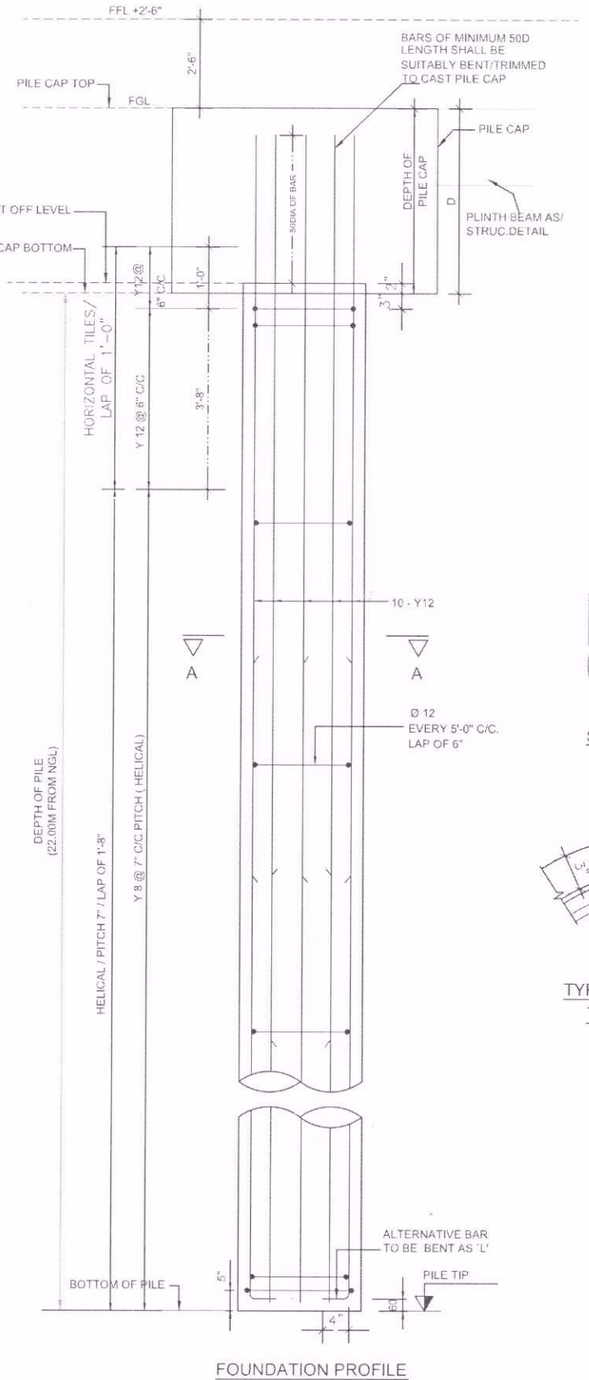
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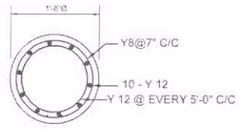
FOUNDATION PROFILE

RC DETAIL OF 1'-8"Ø PILE AT LIFT WELL

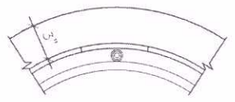


FOUNDATION PROFILE

RC DETAIL OF 1'-8"Ø PILE



SECTION A-A



DETAIL- X

TYP. DETAIL OF LAP AT TIE LOCATION

TABLE-1 (CONSTRUCTION RELATED POINTS)

1. THE SOIL STRATA SHOULD BE RECORDED DURING THE PILE BORING.
2. THE PILE BORE HOLE SHOULD BE CLEANED BEFORE PLACING THE CONCRETE. THE TIME INTERVAL BETWEEN THE FINAL CLEANING UP AND PLACING CONCRETE SHOULD NOT EXCEED SIX HOURS. IN CASE OF ANY DELAY, THE DEPTH OF THE PILE BOTTOM SHOULD BE CHECKED AGAINST THE MEASURED DRILLED DEPTH BEFORE PLACING THE CONCRETE TO ENSURE THAT NO SOIL HAS FALLEN IN THE HOLE.
3. THE CONCRETE USED FOR PILING WORKS SHALL HAVE A SLUMP OF 150 T0 180mm.
4. THE VOLUME OF CONCRETE PLACING RECORDS SHOULD BE PROPERLY MAINTAINED.
5. THE PILE BORE SHALL BE WASHED WTH MUD CIRCULATION. WASHING OF PILE TO BE FOLLOWED AS PER APPROVED METHOD STATEMENT, BEFORE PLACING THE REINFORCEMENT. THE WASHING SHALL BE REPEATED AFTER PLACING THE REINFORCEMENT ALSO.
6. BENTONITE USED FOR MUD CIRCULATION SHALL BE OF FIRST QUALITY.
7. ALL HORIZONTAL TIES TO BE TACK WELDED.

NOTES :

1. ALL DIMENSIONS ARE IN INCHESS AND LEVELS ARE IN FEETS UNLESS STATED OTHERWISE
2. GRADE OF CONCRETE DESIGN MIX SHALL BE M30
3. MINIMUM CEMENT CONTENT SHALL BE 400 Kg/M^3 AND WATER CEMENT RATIO (INCLUDING WATER CONTAINED IN AGGREGATES) SHOULD NOT EXCEED 0.45
4. 20 MM AND DOWN SIZE AGGREGATES AND OPC/SLAG CEMENT SHALL BE USED FOR PILE CONCRETING
5. CLEAR COVER TO ALL REINFORCEMENT SHALL BE 75mm ON ALL SIDES
6. LAP LENGTH FOR VERTICAL REINFORCEMENT IN PILES SHALL BE 50 TIMES THE DIA OF THE BAR, AND SHALL BE STAGGERED.
7. TIES AND LAPS SHALL BE TACK WELDED
8. E6013 ELECTRODE SHALL BE USED FOR WELDING
9. PILES SHALL NOT DEVIATE MORE THAN 75mm FROM THEIR DESIGNED POSITION.
10. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE LATEST ARCHITECTURAL DRAWINGS.
11. GRADE OF STEEL REINFORCMENT IN PILE SHOULD BE Fe-500 (fy-500N/mm^2.
12. PILE CUT OFF LEVEL IS AS INDICATED IN THE DRAWING.
13. IN CASE AT PILE CUTOFF LEVEL, THE QUALITY OF CONCRETE OF PILE IS NOT SOUND AND CONTAMINATED WITH SLUSH, THEN THE PILE IS TO BE BROKEN TILL THE CONCRETE IS FOUND TO BE SOUND AND UNCONTAMINATED AND THE PILE HAS TO BE GROWN BACK TILL CUT OFF LEVEL
14. IN CASE OF HELICAL REINFORCEMENT, IN PLACE OF HORIZONTAL INDIVIDUAL TIES, THE PITCH SHALL BE THE SAME SPACING AS SHOWN FOR HORIZONTAL TIES AND LAP LENGTH SHALL BE 50D.

ENSURE A PILE CAPACITY OF 110 MT BEFORE GOING FOR ACTUAL PILING

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
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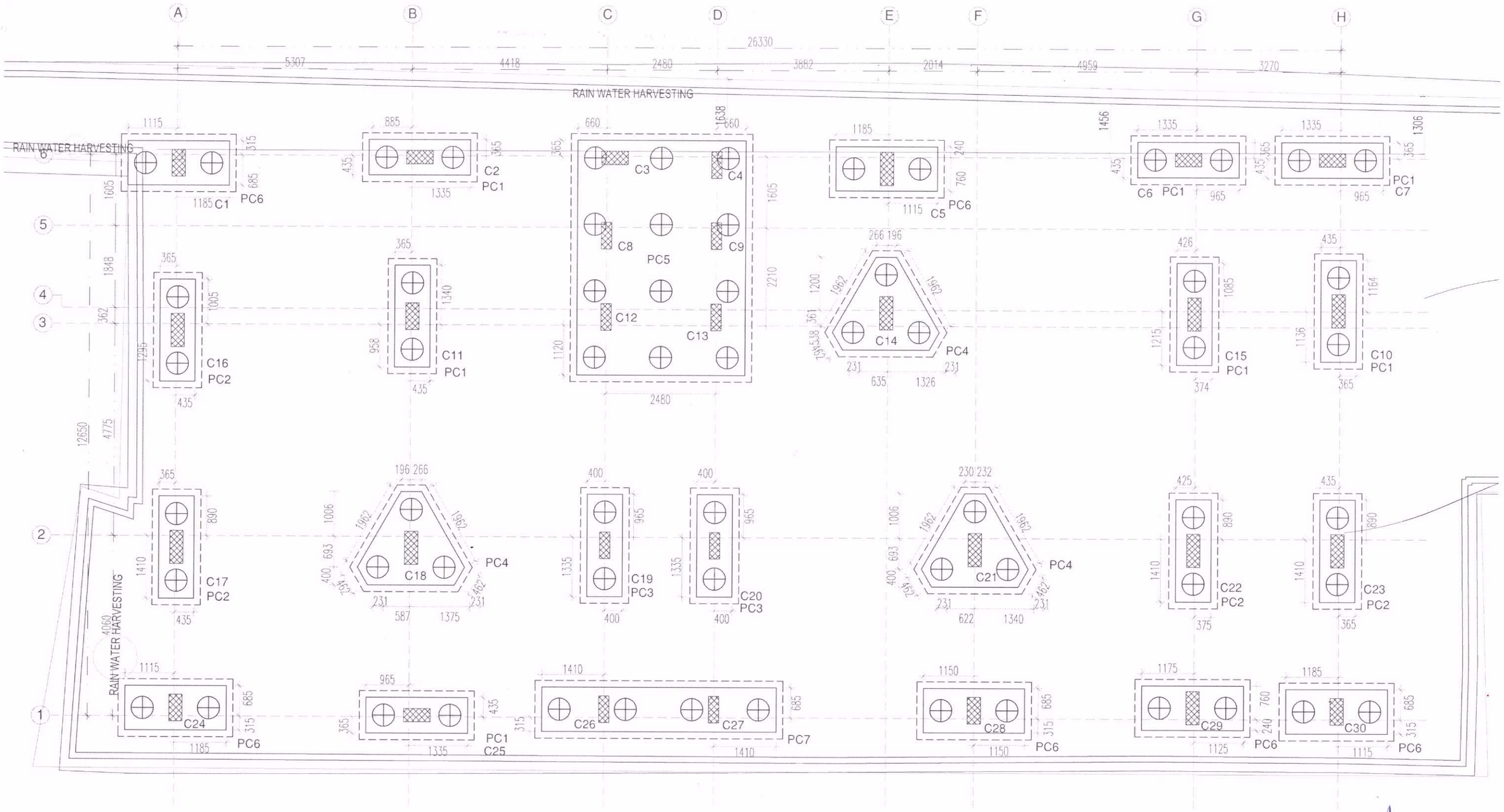
DRAWING DETAILS		
Designed	K.LOGANATHAN	Date 15-05-2025
Drawn	K.LOGANATHAN	Sheet Size A3
Checked/ Approved	K.LOGANATHAN	Scale 1:100

Drawing Title PILE DETAILS

Drawing Number PB/STR -002 Rev. 00

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STRUCTURAL ENGINEER:



PILECAP LAYOUT

PILE LEGEND

PILE DIA	PILE MARK
500	⊖

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
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NOTES:

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2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows:
   a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm
   d) Beams = 20 mm e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered, unless otherwise specified
5. P.C.C leveling Course 1:3:6 below Pile Cap and Tie Beam
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-6") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

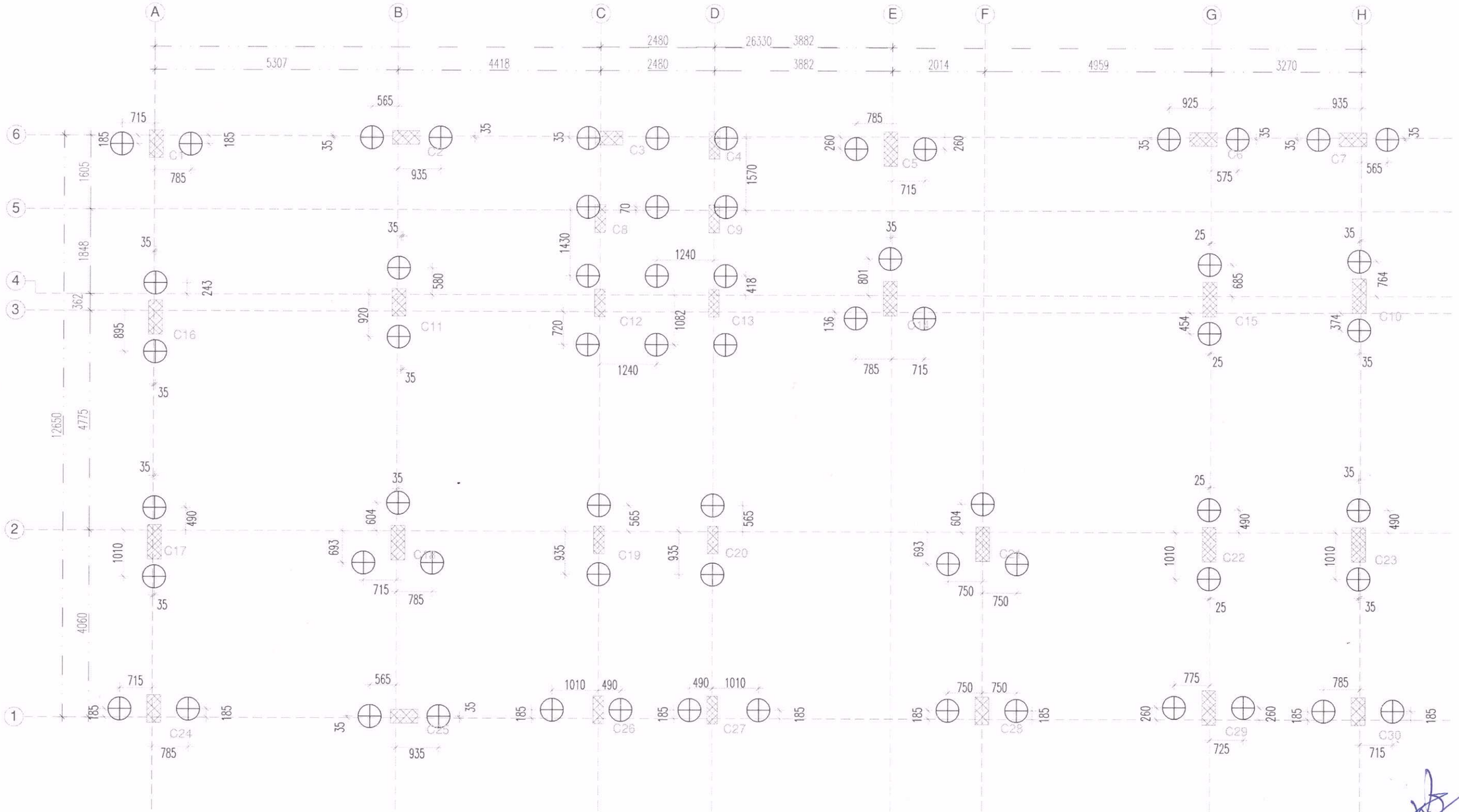
Designed: K.LOGANATHAN	Date: 15-05-2025
Drawn: K.LOGANATHAN	Sheet Size: A3
Checked/ Approved: K.LOGANATHAN	Scale: 1:100

Drawing Title PILE CAP LAYOUT (01 OF 02)

Drawing Number PB/STR -002 Rev 00

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STRUCTURAL ENGINEER:



PILECENTRELINE LAYOUT

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:

1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows:
   a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm
   d) Beams = 20 nim e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered, unless otherwise specified
5. P.C.C leveling Course 1:3:6 below Pile Cap and Tie Beam
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-6") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

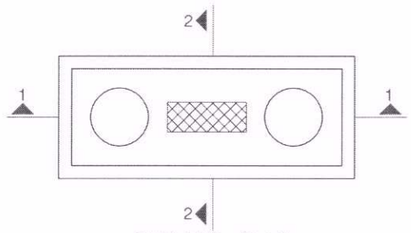
DRAWING DETAILS		
Designed K.LOGANATHAN	Date	15-05-2025
Drawn K.LOGANATHAN	Sheet Size	A3
Checked/ Approved K.LOGANATHAN	Scale	1:100

Drawing Title PILE CENTRELINE LAYOUT (02 OF 02)

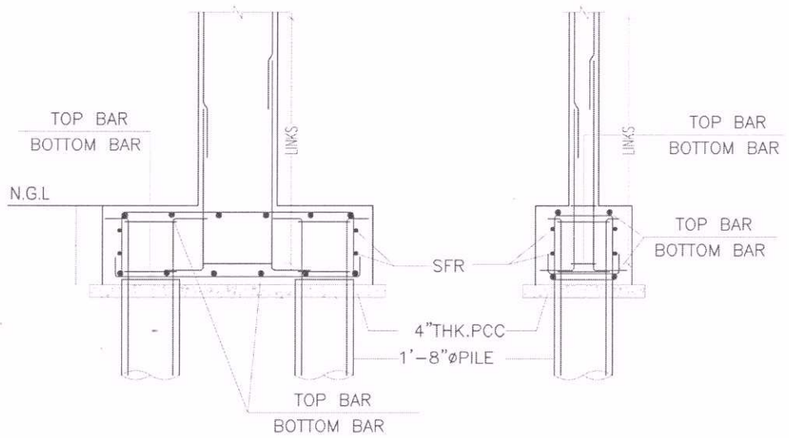
Drawing Number PB/STR -002 **Rev** 00

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STRUCTURAL ENGINEER:



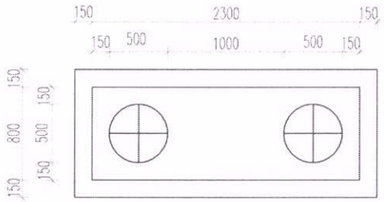
PILE CAP - PLAN



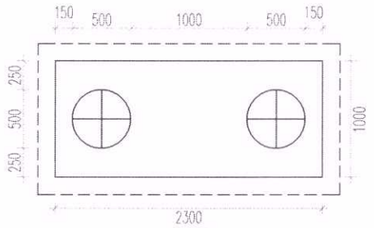
SECTION 1-1
(SCALE 1:50)

SECTION 2-2
(SCALE 1:50)

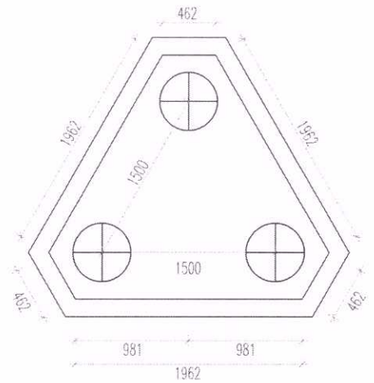
DETAIL OF PC (Typ.)



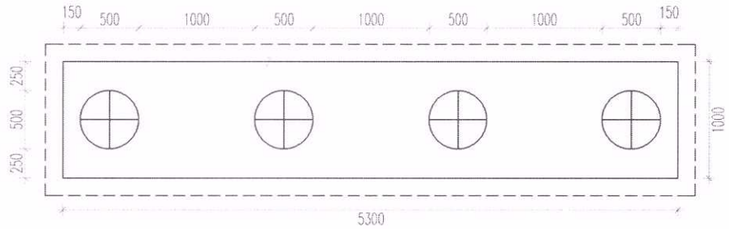
PC-1, PC-2, PC-3



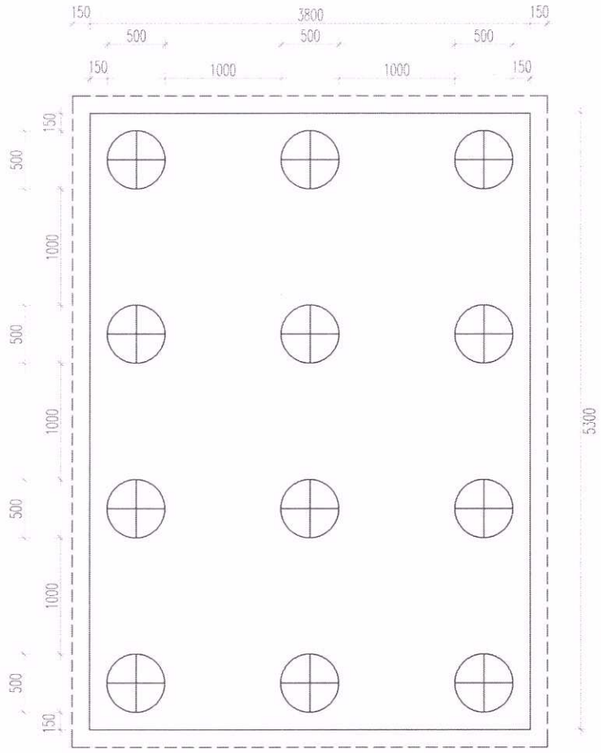
PC6



PC-4



PC7



PC-5

PILE CAP SCHEDULE

PILE CAP MARK	COLUMN MARK	PILES	DIMENSIONS			REINFORCEMENT				SFR
						BOTTOM		TOP		
			L	B	D	ALONG L	ALONG B	ALONG L	ALONG B	
PC1	C2,C6, C7,C11,C25,	2-500 DIA.	2300	800	750	T25@125 C/C	T16@125 C/C	T12@200 C/C	T12@200 C/C	2-T12
PC2	C10, C15,C16,C17, C22,C23	2-500 DIA.	2300	800	750	T20@125 C/C	T16@125 C/C	T12@200 C/C	T12@200 C/C	2-T12
PC3	C19,C20	2-500 DIA.	2300	800	750	T20@100 C/C	T16@125 C/C	T12@200 C/C	T12@200 C/C	2-T12
PC4	C14, C18, C21	3-500 DIA.	Refer Layout		750	T25@125 C/C	T20@100 C/C	T12@200 C/C	T12@200 C/C	2-T12
PC5	C3,C4,C8, C9,C12,C13	12-500 DIA.	5300	3800	750	T20@125 C/C	T16@125 C/C	T16@125 C/C	T12@200 C/C	2-T12
PC6	C1,C5,C24,C28, C29,C30	2-500 DIA.	2300	1000	750	T20@125 C/C	T16@125 C/C	T12@200 C/C	T12@200 C/C	2-T12
PC7	C26,C27	4-500 DIA.	5300	1000	750	T20@125 C/C	T16@125 C/C	T12@200 C/C	T12@200 C/C	2-T12

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:
1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows:
   a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm
   d) Beams = 20 mm e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered, unless otherwise specified
5. P.C.C leveling Course 1:3:6 below Pile Cap and Tie Beam
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-6") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

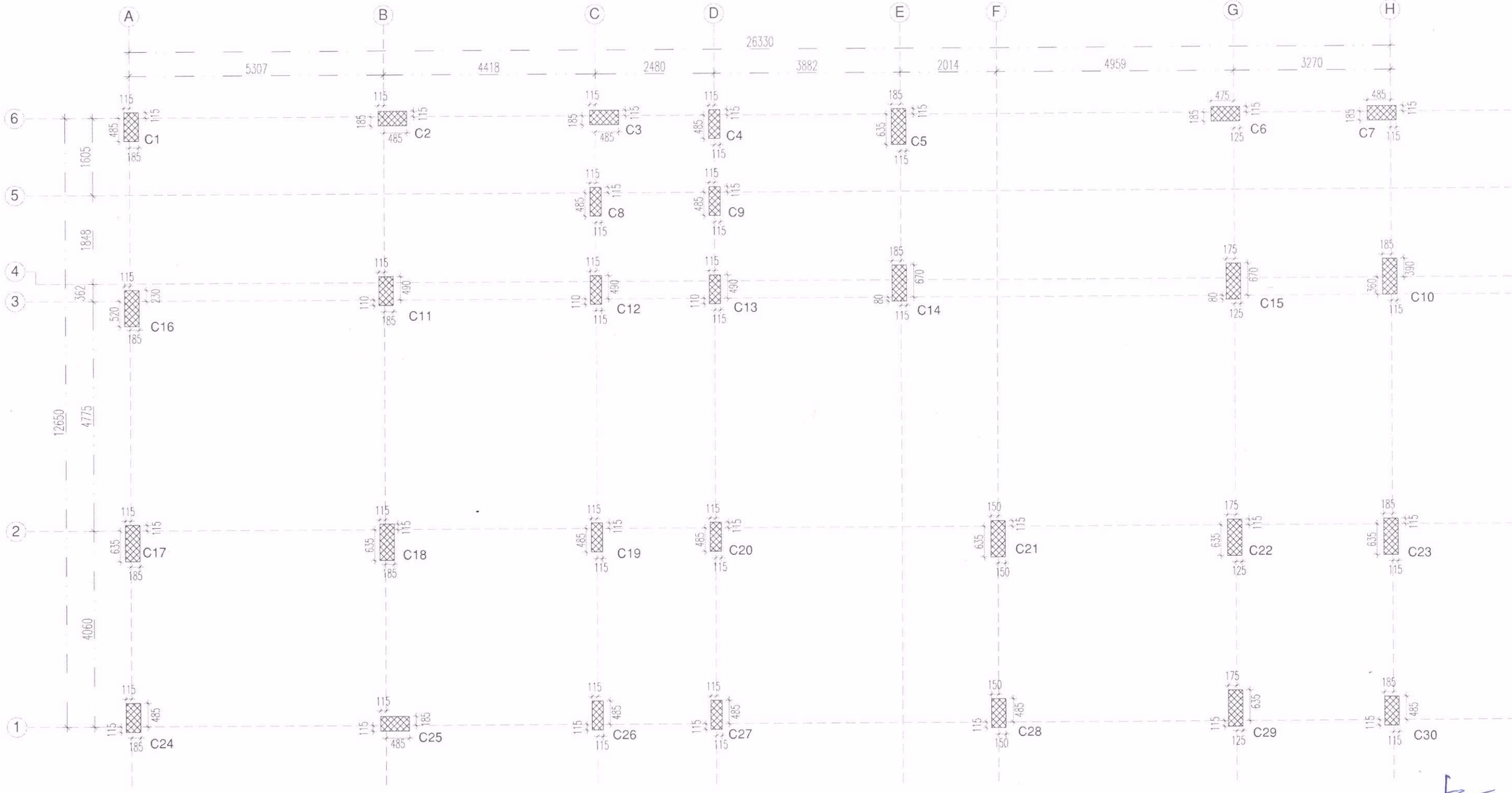
Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS			
Designed	K.LOGANATHAN	Date	15-05-2025
Drawn	K.LOGANATHAN	Sheet Size	A3
Checked/ Approved	K.LOGANATHAN	Scale	1:100

Drawing Title: PILE CAP DETAILS
Drawing Number: PB/STR -003
Rev: 00

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STRUCTURAL ENGINEER:



COLUMN LAYOUT UPTO GROUND FLOOR ROOF

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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NOTES:

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REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

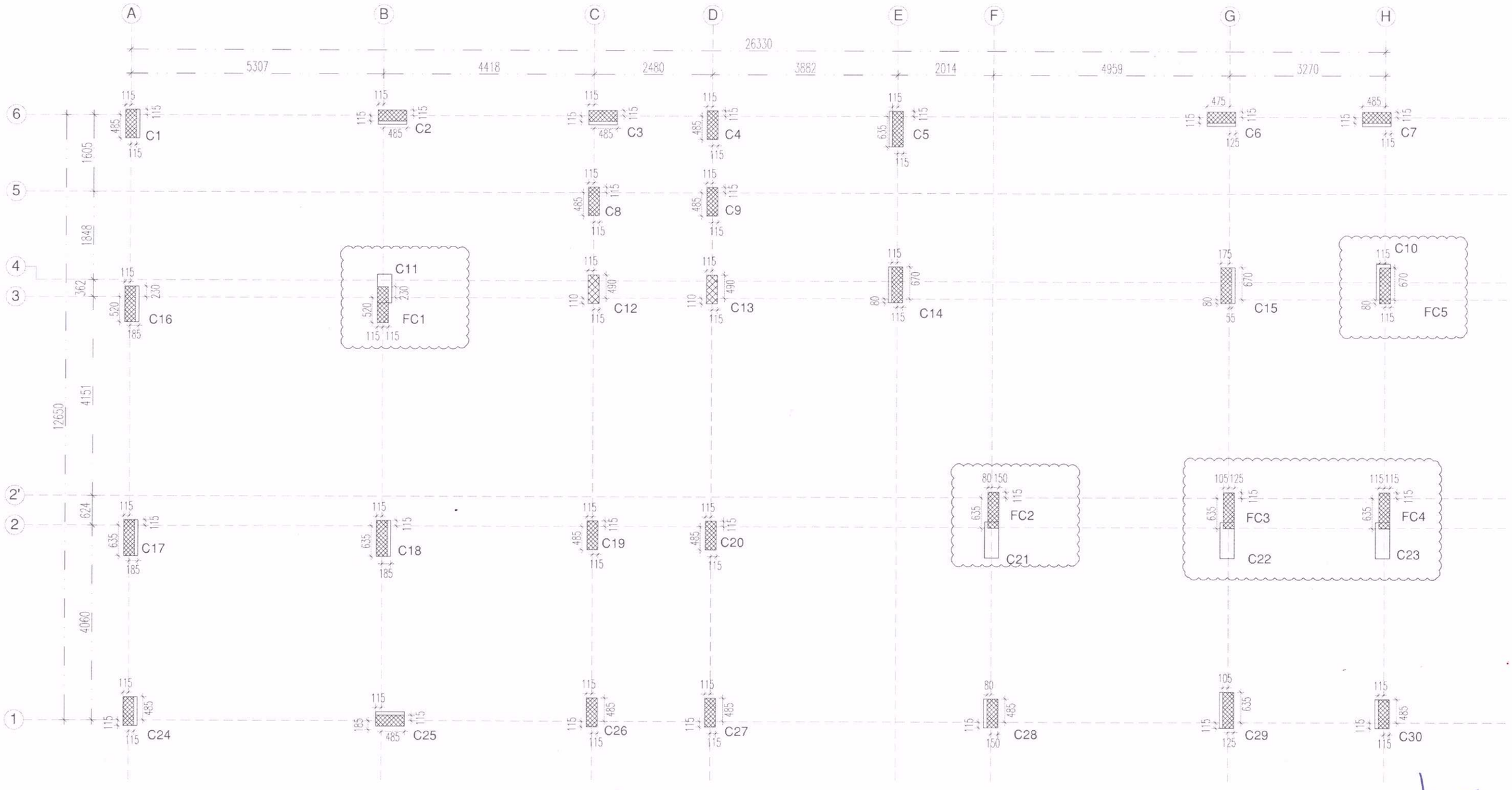
Designed K.LOGANATHAN	Date 15-05-2025
Drawn K.LOGANATHAN	Sheet Size A3
Checked/ Approved K.LOGANATHAN	Scale 1:100

Drawing Title: COLUMN LAYOUT UPTO GROUND FLOOR ROOF

Drawing Number: PB/STR -004 Rev 00

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STRUCTURAL ENGINEER:



COLUMN LAYOUT ABOVE GROUND FLOOR ROOF

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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NOTES:

1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
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5. P.C.C levelling Course 1:3:6 below Pile Cap and Tie Beam
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7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-6") before going for actual piling
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9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

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Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS		
Designed K.LOGANATHAN	Date 15-05-2025	
Drawn K.LOGANATHAN	Sheet Size A3	
Checked/ Approved K.LOGANATHAN	Scale 1:100	

Drawing Title
COLUMN LAYOUT UPTO GROUND FLOOR ROOF

Drawing Number PB/STR -005 Rev 00

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STRUCTURAL ENGINEER:

HEAD ROOM ROOF TO FIFTH FLOOR ROOF	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12
FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12
FOURTH FLOOR ROOF TO THIRD FLOOR ROOF	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12
THIRD FLOOR ROOF TO SECOND FLOOR ROOF	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12
SECOND FLOOR ROOF TO FIRST FLOOR ROOF	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T16 + 2-T12
FIRST FLOOR ROOF TO GROUND FLOOR ROOF	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T20 + 2-T16	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	8-T20 + 2-T16
GROUND FLOOR ROOF TO N.G.L	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	10-T20 + 2-T16	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	10-T20 + 2-T16
N.G.L TO PILECAP BOTTOM	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	10-T25 + 2-T20	M25 , Fe550 , COVER = 40MM	LINKS	T8 @ 150	10-T25 + 2-T20
COLUMN MARKED	C1	C2	C3	C4	C5	C6	C7	C8

COLUMN SCHEDULE

NOTES:

1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows: a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm d) Beams = 20 mm e) Column = 40mm.
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6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22/meter, Dia =1'-6") before going for actual piling
8. This structure is Designed ' STILT+5 "
9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS		
Designed K.LOGANATHAN	Date	15-05-2025
Drawn K.LOGANATHAN	Sheet Size	A3
Checked/ Approved K.LOGANATHAN	Scale	1:100

Drawing Title COLUMN SCHEDULE (01 OF 05)

Drawing Number PB/STR -006 00

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K. LOGANATHAN, M.E.
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
STRUCTURAL ENGINEER
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

COLUMN SCHEDULE

All filled cells: M25 : Fe550, COVER = 40MM; LINKS T8 @ 150. Sizes are given in mm.

LEVEL	C9	C10	C11	C12, C13	C14, C15	C16	C17
HEAD ROOM ROOF TO FIFTH FLOOR ROOF	230 × 600; 8-T16 + 2-T12			230 × 600; 4-T16 + 6-T12			
FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF	230 × 600; 8-T16 + 2-T12			230 × 600; 4-T16 + 6-T12	230 × 750; 8-T25 + 6-T20	230 × 750; 8-T20 + 6-T16	230 × 750; 12-T20 + 2-T16
FOURTH FLOOR ROOF TO THIRD FLOOR ROOF	230 × 600; 8-T20 + 2-T16			230 × 600; 4-T16 + 6-T12	230 × 750; 8-T25 + 6-T20	230 × 750; 14-T20	230 × 750; 12-T20 + 2-T16
THIRD FLOOR ROOF TO SECOND FLOOR ROOF	230 × 600; 10-T20			230 × 600; 4-T16 + 6-T12	230 × 750; 14-T25	230 × 750; 8-T25 + 6-T20	230 × 750; 8-T25 + 6-T20
SECOND FLOOR ROOF TO FIRST FLOOR ROOF	230 × 600; 4-T25 + 6-T20			230 × 600; 4-T20 + 6-T16	230 × 750; 14-T25	230 × 750; 14-T25	230 × 750; 12-T25 + 2-T20
FIRST FLOOR ROOF TO GROUND FLOOR ROOF	230 × 600; 4-T25 + 6-T20			230 × 600; 8-T20 + 2-T16	230 × 750; 14-T25	230 × 750; 14-T25	230 × 750; 14-T25
GROUND FLOOR ROOF TO N.G.L	230 × 600; 4-T25 + 6-T20	300 × 750; 8-T25 + 8-T20	300 × 600; 12-T20	230 × 600; 8-T20 + 2-T16	300 × 750; 16-T25	300 × 750; 14-T25 + 2-T20	300 × 750; 14-T25 + 2-T20
N.G.L TO PILECAP BOTTOM	230 × 600; 4-T25 + 6-T20	300 × 750; 8-T25 + 8-T20	300 × 600; 12-T20	230 × 600; 8-T20 + 2-T16	300 × 750; 16-T25	300 × 750; 14-T25 + 2-T20	300 × 750; 14-T25 + 2-T20

NOTES:

1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows:
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8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS

REV.	DATE	DESCRIPTION	CHKD	APP.
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA

N, S, E, W

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

Designed: K.LOGANATHAN	Date: 15-05-2025
Drawn: K.LOGANATHAN	Sheet Size: A3
Checked/ Approved: K.LOGANATHAN	Scale: 1:100

Drawing Title: COLUMN SCHEDULE (02 OF 05)

Drawing Number: PB/STR -006

Rev: 00

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STRUCTURAL ENGINEER:
K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

COLUMN SCHEDULE

COLUMN MARKED	C18	C19	C20	C21	C22	C23	C24
HEAD ROOM ROOF TO FIFTH FLOOR ROOF		M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊕T20 ⊙T16 4-T20 + 6-T16	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊙T16 10-T16				
FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 ⊙T16 ○T12 4-T16 + 10-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊕T20 ⊙T16 4-T20 + 6-T16	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊙T16 10-T16				M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊕T20 ⊙T16 4-T20 + 6-T16
FOURTH FLOOR ROOF TO THIRD FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 ⊙T16 ○T12 4-T16 + 10-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊕T20 ⊙T16 4-T20 + 6-T16	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊕T20 ⊙T16 4-T20 + 6-T16				M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 ⊕T20 4-T25 + 6-T20
THIRD FLOOR ROOF TO SECOND FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 ⊕T20 ⊙T16 4-T20 + 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 ⊕T20 4-T25 + 6-T20	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊕T20 ⊙T16 8-T20 + 2-T16				M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 ⊕T20 4-T25 + 6-T20
SECOND FLOOR ROOF TO FIRST FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 ⊕T20 ⊙T16 8-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 ⊕T20 8-T25 + 2-T20	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25				M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 ⊕T20 6-T25 + 4-T20
FIRST FLOOR ROOF TO GROUND FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 ⊗T25 ⊕T20 12-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25				M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 ⊕T20 10-T25
GROUND FLOOR ROOF TO N.G.L	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 750 ⊗T25 ⊕T20 12-T25 + 4-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 750 ⊗T25 ⊕T20 14-T25 + 2-T20	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 750 ⊕T20 ⊙T16 14-T20 + 2-T16	M25 : Fe550 COVER = 40MM LINKS T8 @ 150 300 × 750 ⊕T20 ⊙T16 4-T20 + 12-T16	M25 : Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 600 ⊗T25 12-T25
N.G.L TO PILECAP BOTTOM	M25 : Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 750 ⊗T25 ⊕T20 12-T25 + 4-T20	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25	M25 . Fe550 . COVER = 40MM LINKS T8 @ 150 230 × 600 ⊗T25 10-T25	M25 : Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 750 ⊗T25 ⊕T20 14-T25 + 2-T20	M25 : Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 750 ⊕T20 ⊙T16 14-T20 + 2-T16	M25 : Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 750 ⊕T20 ⊙T16 4-T20 + 12-T16	M25 : Fe550 . COVER = 40MM LINKS T8 @ 150 300 × 600 ⊗T25 12-T25

NOTES:

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6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-8") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS

REV.	DATE	DESCRIPTION	CHKD	APP.
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA

N / W / E / S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

Designed: K.LOGANATHAN	Date: 15-05-2025
Drawn: K.LOGANATHAN	Sheet Size: A3
Checked/ Approved: K.LOGANATHAN	Scale: 1:100

Drawing Title: COLUMN SCHEDULE (03 OF 05)

Drawing Number: PB/STR -006

STRUCTURAL ENGINEER:

Rev: 00

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K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No. SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

COLUMN SCHEDULE

COLUMN SCHEDULE

LEVEL	C25	C26	C27	C28	C29	C30	FC1
HEAD ROOM ROOF TO FIFTH FLOOR ROOF		M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T20, T16 4-T20 + 6-T16				
FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T20, T16 4-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16, T12 8-T16 + 2-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T16, T12 8-T16 + 6-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16, T12 4-T16 + 6-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T20, T16 4-T20 + 10-T16
FOURTH FLOOR ROOF TO THIRD FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16, T12 8-T16 + 2-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T16, T12 8-T16 + 6-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16, T12 4-T16 + 6-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T20, T16 4-T20 + 10-T16
THIRD FLOOR ROOF TO SECOND FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T20, T16 8-T20 + 2-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T20, T16 4-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T20, T16 4-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T20, T16 4-T20 + 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T16, T12 8-T16 + 2-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T25, T20 4-T25 + 10-T20
SECOND FLOOR ROOF TO FIRST FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25 10-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 8-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 6-T25 + 4-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T20, T16 4-T20 + 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T25, T20 8-T25 + 6-T20
FIRST FLOOR ROOF TO GROUND FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25 10-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 8-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25 10-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T25, T20 12-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 8-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 750 T25, T20 8-T25 + 6-T20
GROUND FLOOR ROOF TO N.G.L	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 600 T25, T20 10-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 8-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 600 T25 12-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 750 T25, T20 12-T25 + 4-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 600 T25, T20 8-T25 + 4-T20	
N.G.L TO PILECAP BOTTOM	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 600 T25, T20 10-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 4-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 × 600 T25, T20 8-T25 + 2-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 600 T25 12-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 750 T25, T20 12-T25 + 4-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 300 × 600 T25, T20 8-T25 + 4-T20	
COLUMN MARKED	C25	C26	C27	C28	C29	C30	FC1

NOTES:

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6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-8") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N
W E
S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

Designed: K.LOGANATHAN	Date: 15-05-2025
Drawn: K.LOGANATHAN	Sheet Size: A3
Checked/ Approved: K.LOGANATHAN	Scale: 1:100

Drawing Title: COLUMN SCHEDULE (04 OF 05)

Drawing Number: PB/STR -006

Rev: 00

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K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525
STRUCTURAL ENGINEER:

COLUMN SCHEDULE

	FC2	FC3	FC4	FC5
HEAD ROOM ROOF TO FIFTH FLOOR ROOF				
FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T20, T16) 4-T20 + 10-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 4-T16 + 10-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 4-T16 + 10-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 4-T16 + 10-T12
FOURTH FLOOR ROOF TO THIRD FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T20) 14-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T20, T16) 8-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 4-T16 + 10-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 4-T16 + 10-T12
THIRD FLOOR ROOF TO SECOND FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T20) 14-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T20, T16) 8-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 12-T16 + 2-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 4-T16 + 10-T12
SECOND FLOOR ROOF TO FIRST FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T25, T20) 4-T25 + 10-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T20, T16) 8-T20 + 6-T16	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 12-T16 + 2-T12	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T16, T12) 8-T16 + 6-T12
FIRST FLOOR ROOF TO GROUND FLOOR ROOF	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T25) 14-T25	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T25, T20) 8-T25 + 6-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T25, T20) 4-T25 + 10-T20	M25 : Fe550 , COVER = 40MM LINKS T8 @ 150 230 x 750 (T25, T20) 8-T25 + 6-T20
GROUND FLOOR ROOF TO N.G.L				
N.G.L TO PILECAP BOTTOM				
COLUMN MARKED	FC2	FC3	FC4	FC5

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
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NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: 91 94454 50525

NOTES:
1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows:
 a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm
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8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS

REV.	DATE	DESCRIPTION	CHKD	APP.
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA

N / S / E / W

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

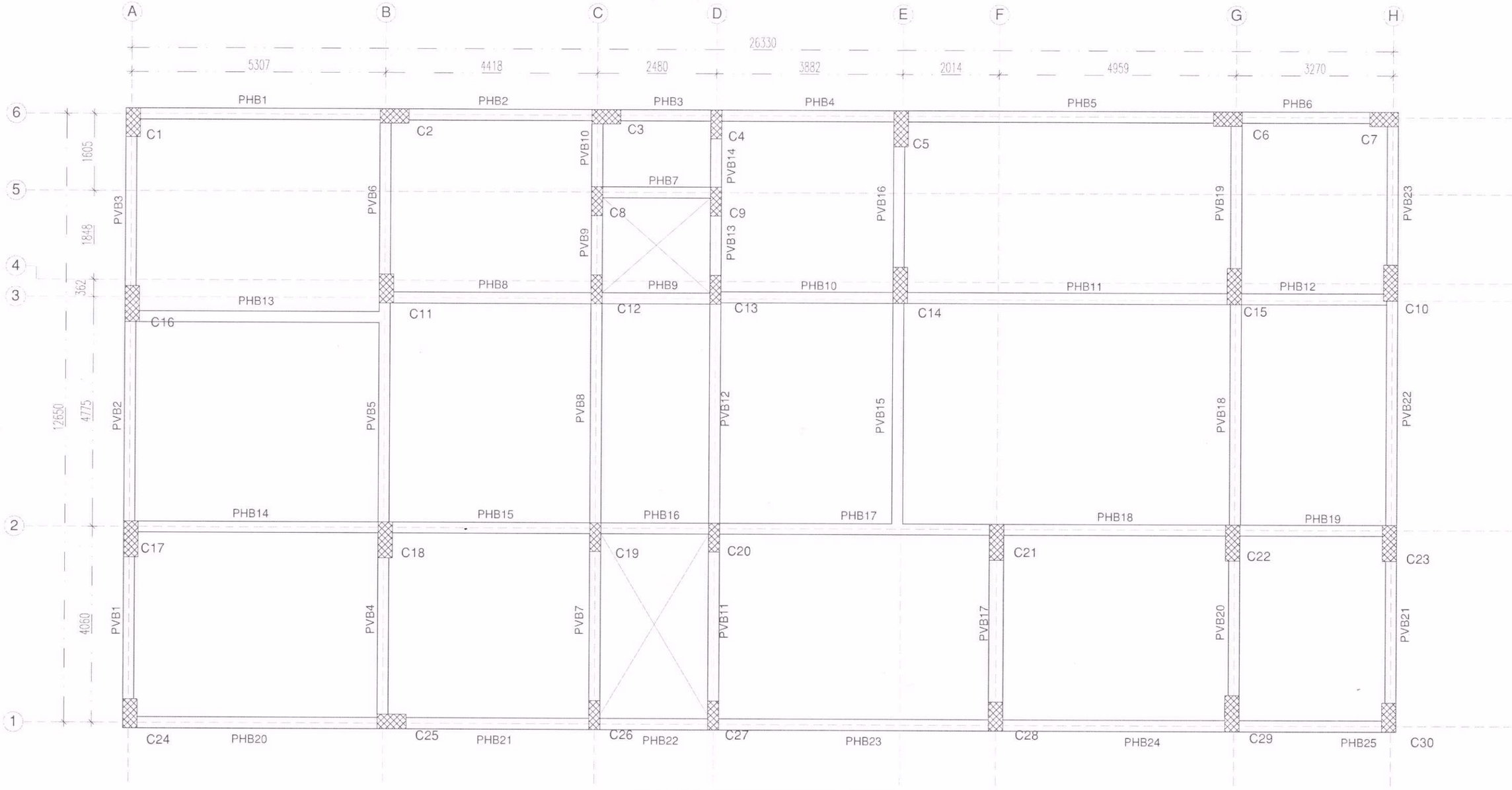
Designed: K.LOGANATHAN	Date: 15-05-2025
Drawn: K.LOGANATHAN	Sheet Size: A3
Checked/ Approved: K.LOGANATHAN	Scale: 1:100

Drawing Title: COLUMN SCHEDULE (05 OF 05)

Drawing Number: PB/STR -006 Rev 00

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STRUCTURAL ENGINEER:



PLINTH BEAM FRAMING PLAN

Notes:

1. All the beam dimensions are 230x450 unless otherwise specified

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STRUCTURAL ENGINEER
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NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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STRUCTURAL ENGINEER.

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N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

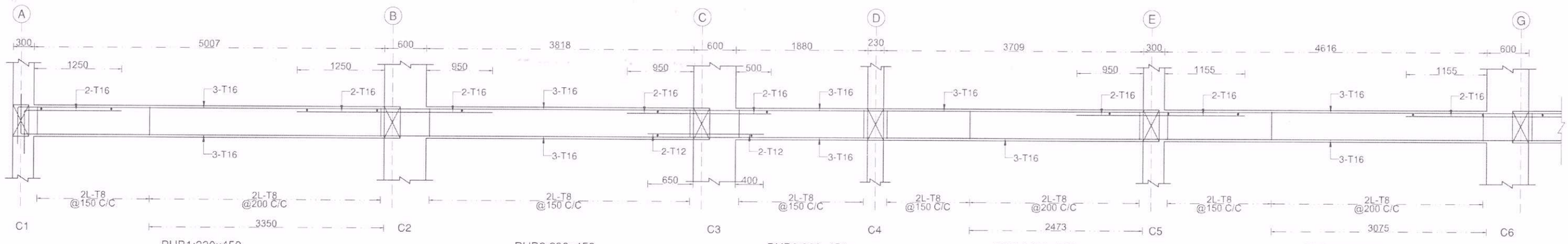
DRAWING DETAILS

Designed: K.LOGANATHAN	Date: 15-05-2025
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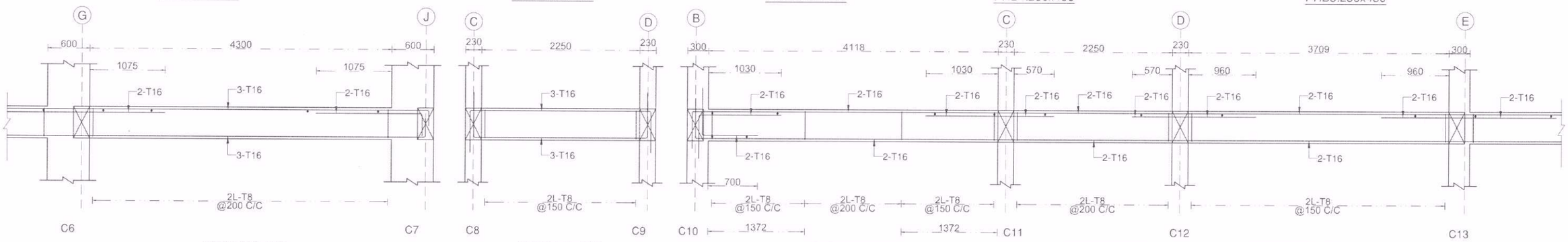
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Drawing Number: PB/STR -007 Rev: 00

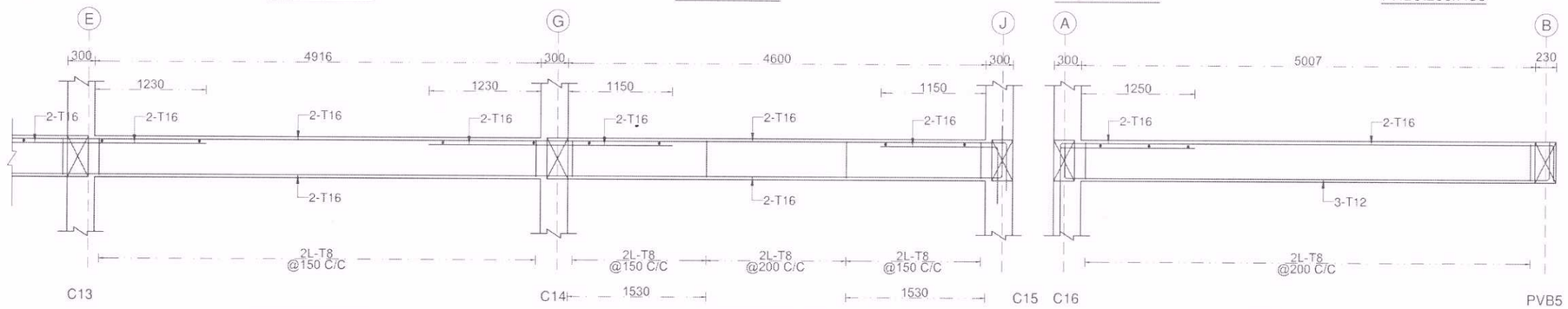
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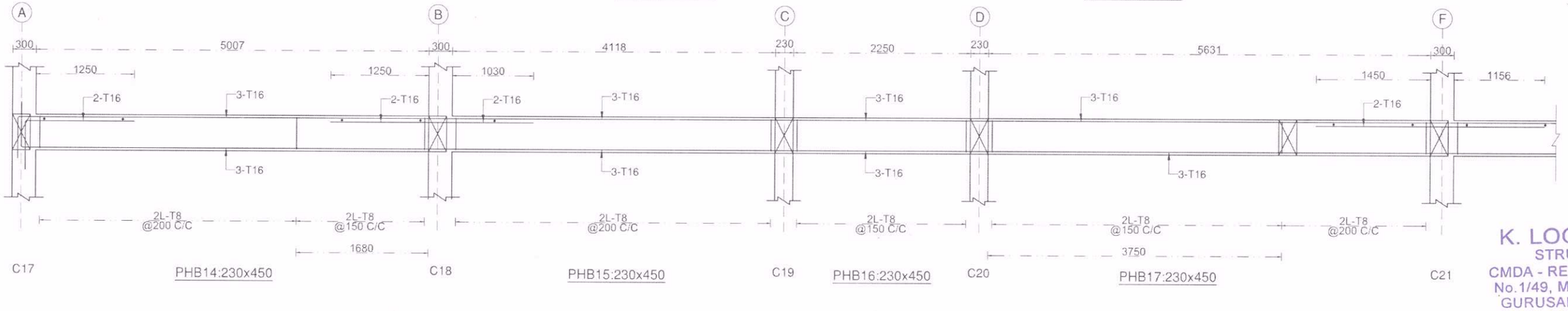
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PHB11:230x450 PHB12:230x450 PHB13:230x450



PHB14:230x450 PHB15:230x450 PHB16:230x450 PHB17:230x450

K. LOGANATHAN, M.E.,
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No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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STRUCTURAL ENGINEER

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REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
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N W E S

Project

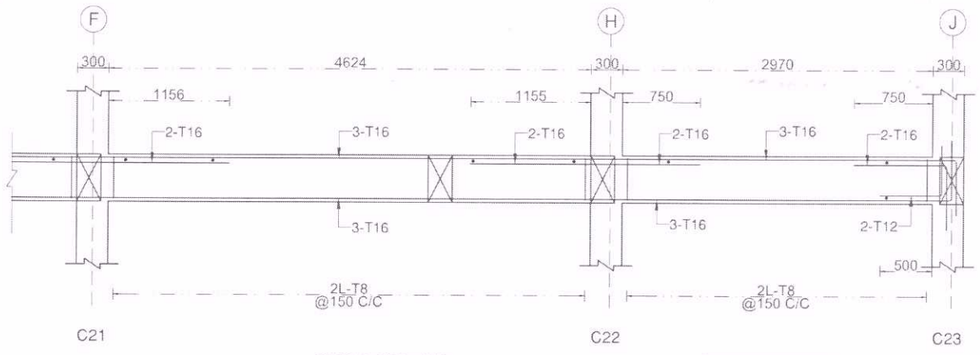
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

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Drawn: K.LOGANATHAN	Sheet Size: A3	
Checked/ Approved: K.LOGANATHAN	Scale: 1:100	

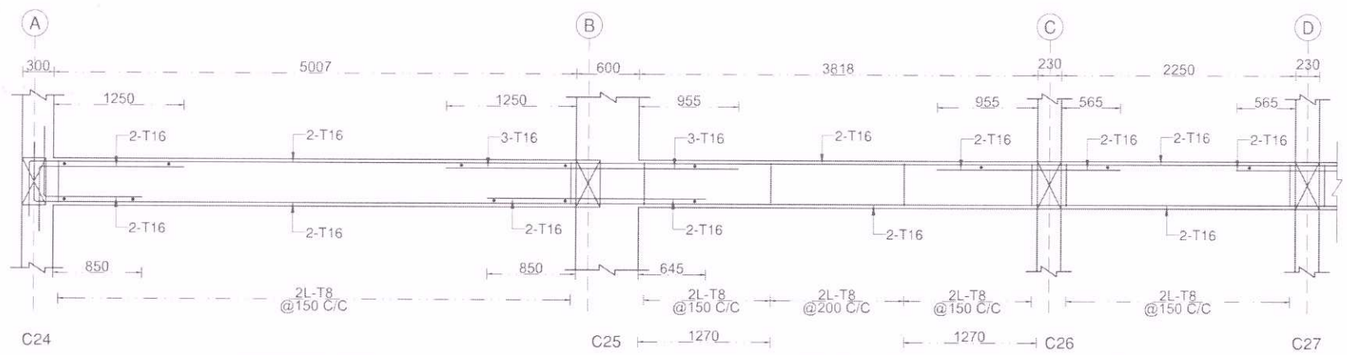
Drawing Title: PLINTH BEAM L.S(1 OF 3)

Drawing Number: PB/STR -08 **Rev:** 00

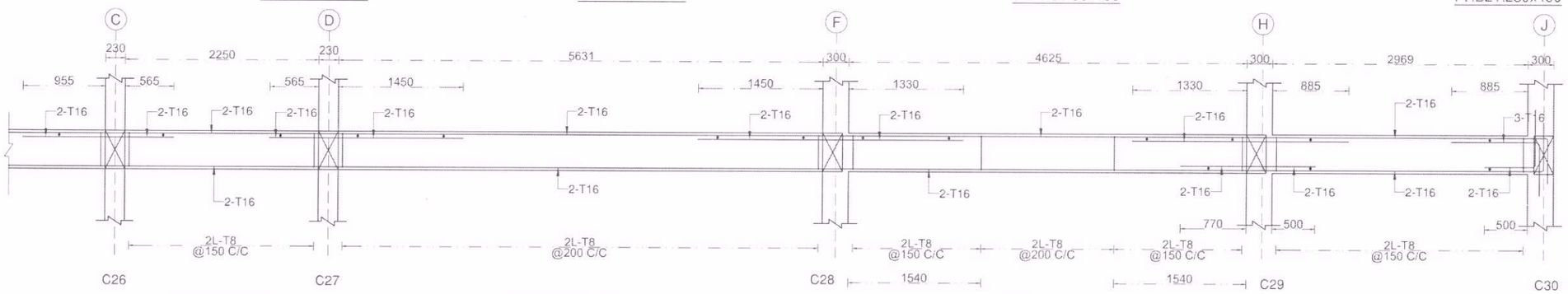
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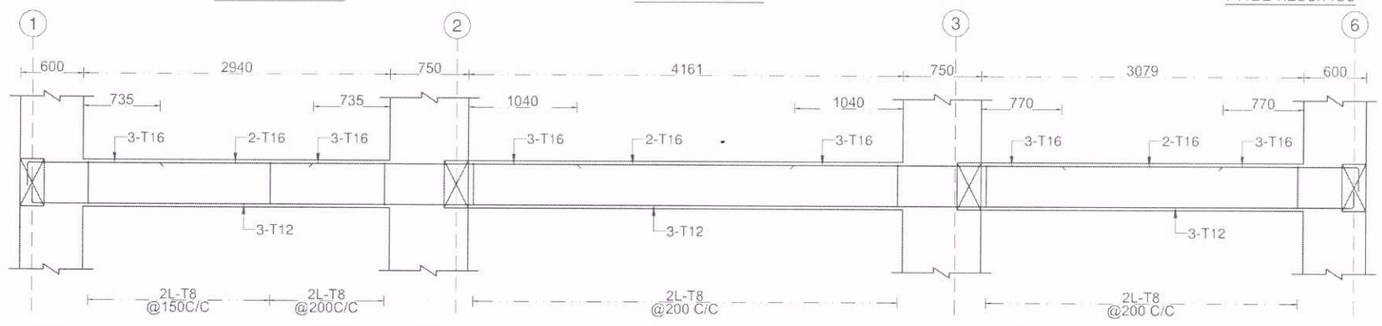
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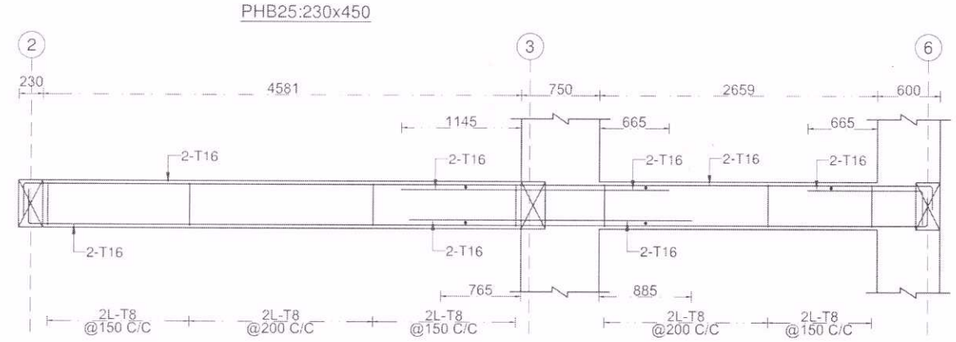
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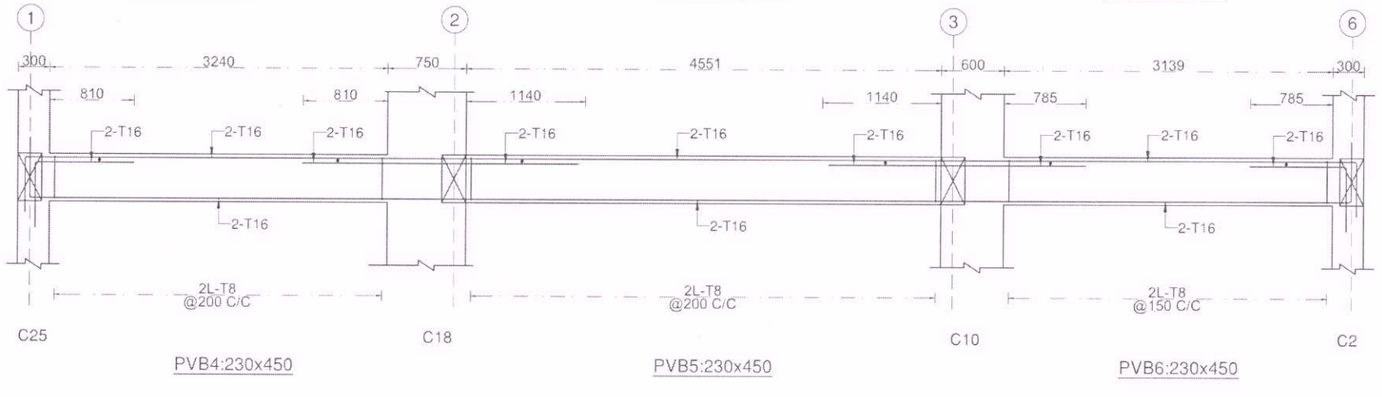
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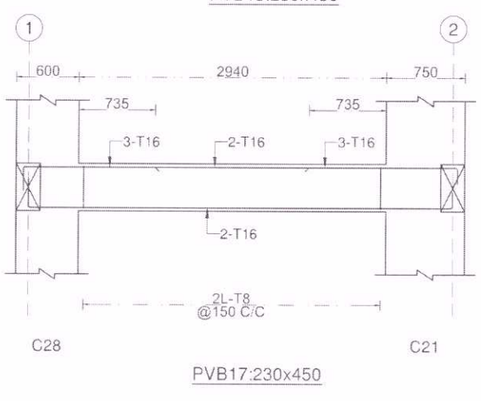
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PVB15:230x450 PVB16:230x450



PVB4:230x450 PVB5:230x450 PVB6:230x450



PVB17:230x450

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:
1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows:
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9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

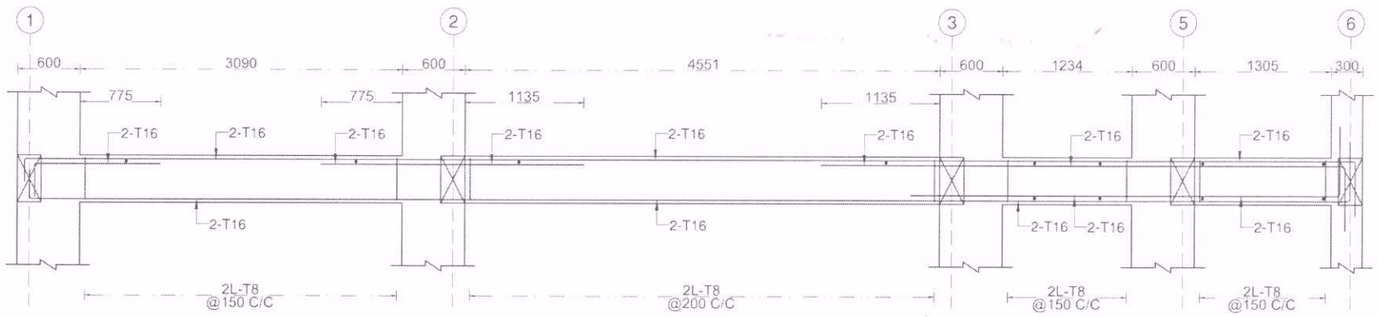
Designed	K.LOGANATHAN
Drawn	K.LOGANATHAN
Checked/ Approved	K.LOGANATHAN
Date	15-05-2025
Sheet Size	A3
Scale	1:100

Drawing Title PLINTH BEAM L.S(2 OF 3)

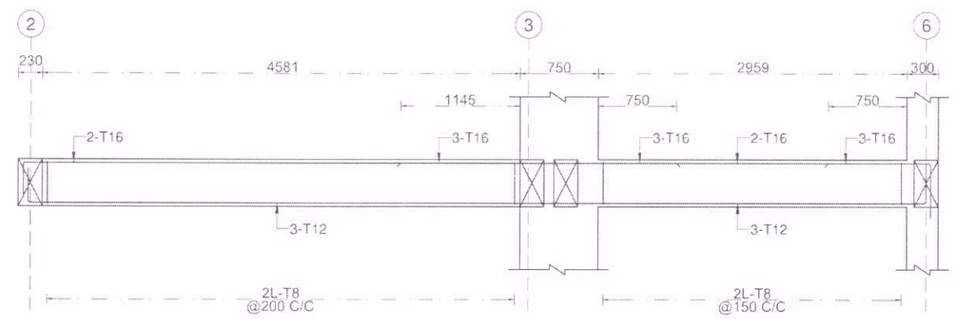
Drawing Number PB/STR -08 Rev 00

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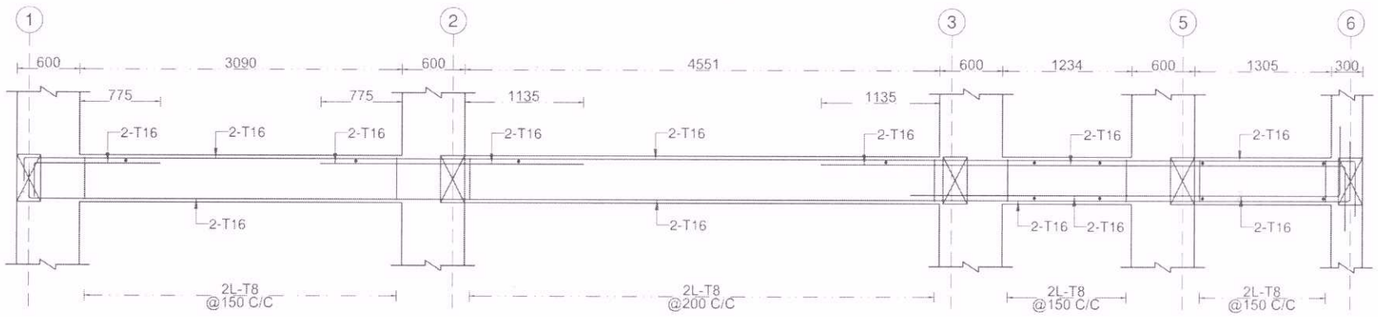
STRUCTURAL ENGINEER:



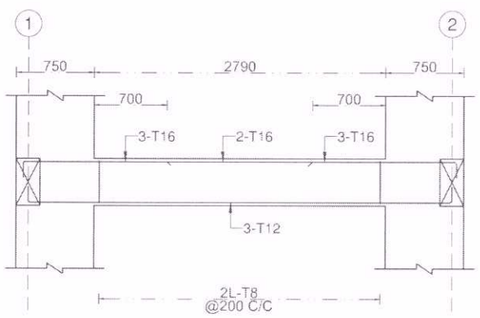
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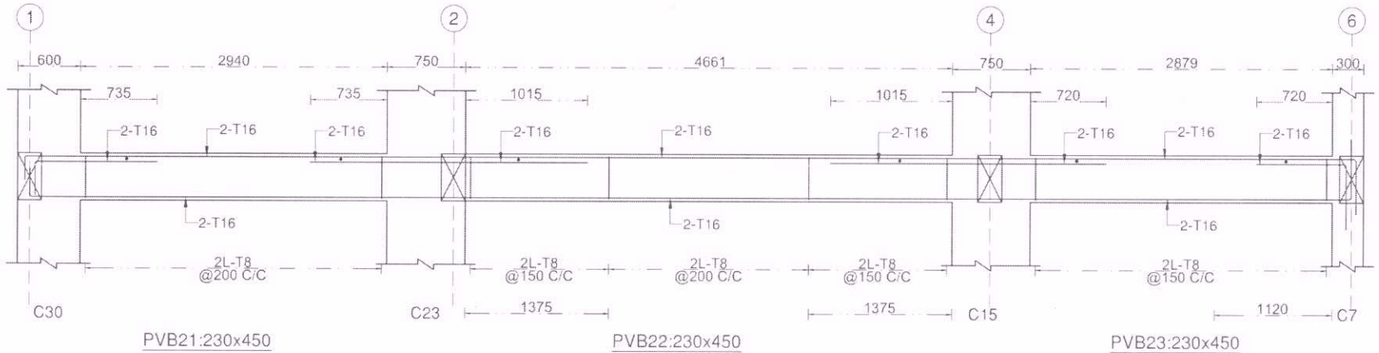
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PVB11:230x450 PVB12:230x450 PVB13:230x450 PVB14:230x450



PVB20:230x450



PVB21:230x450 PVB22:230x450 PVB23:230x450

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
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GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:

1. All Dimensions are in feet & inches.
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3. Clear cover to main reinforcement shall be as follows. a) Walls = 20 mm, b) Slab = 20 mm, C) Pile Cap = 50 mm d) Beams = 20 mm e) Column = 40mm.
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9. Seismic Considered in Design

REVISIONS				
00	15-05-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

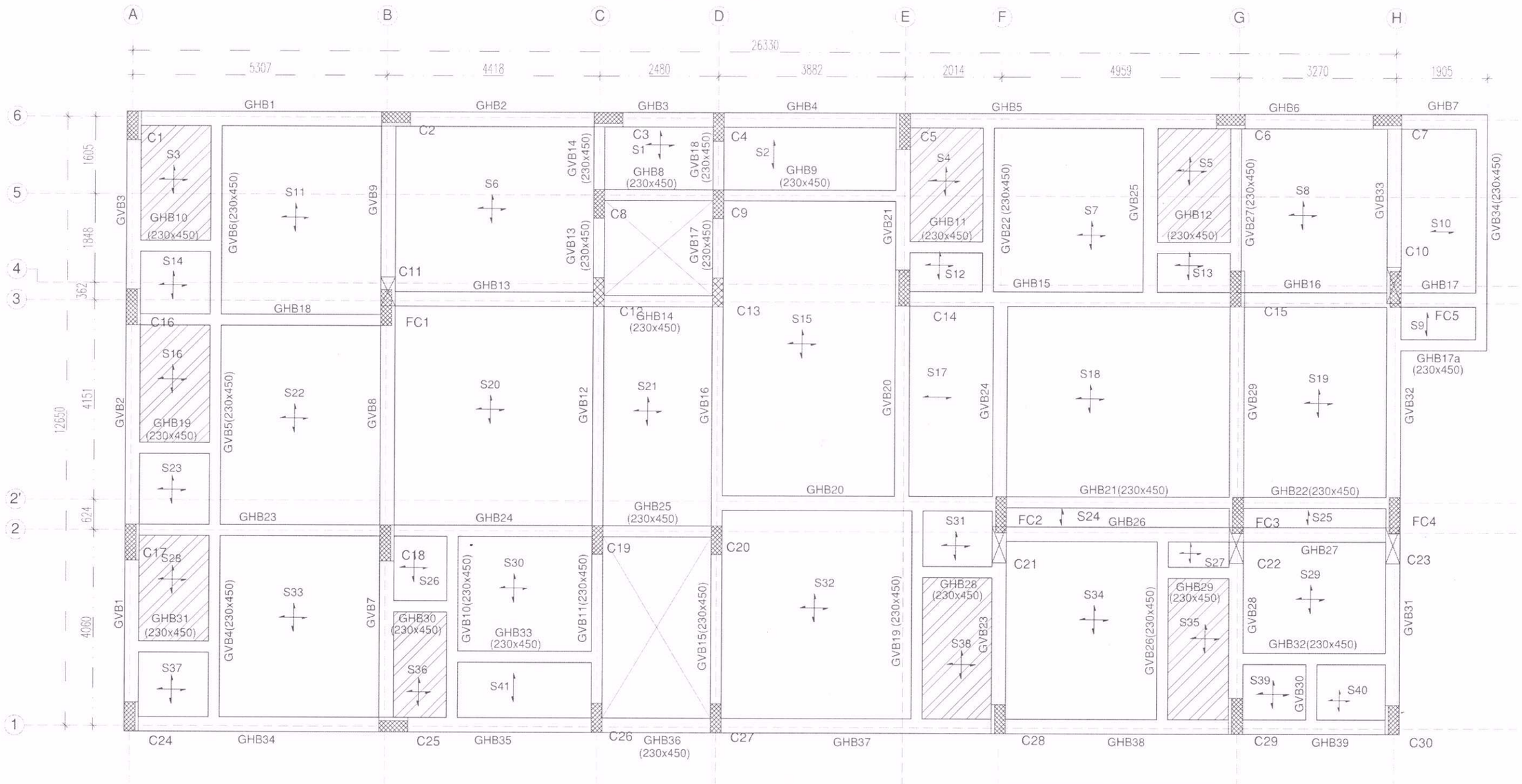
Designed K.LOGANATHAN	Date 15-05-2025	
Drawn K.LOGANATHAN	Sheet Size A3	
Checked/ Approved K.LOGANATHAN	Scale 1:100	

Drawing Title: PLINTH BEAM L.S(3 OF 3)

Drawing Number: PB/STR -08 Rev 00

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STRUCTURAL ENGINEER:



GROUND FLOOR ROOF BEAM FRAMING PLAN

GRADE OF CONCRETE M35

Notes:

1. All the beam dimensions are 300x600 unless otherwise specified
2. All the slab Thickness are 150 unless otherwise specified ▨ -10" Sunken

K. LOGANATHAN, M.E.,
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CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mob: +91 94454 50525
STRUCTURAL ENGINEER.

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REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

Project

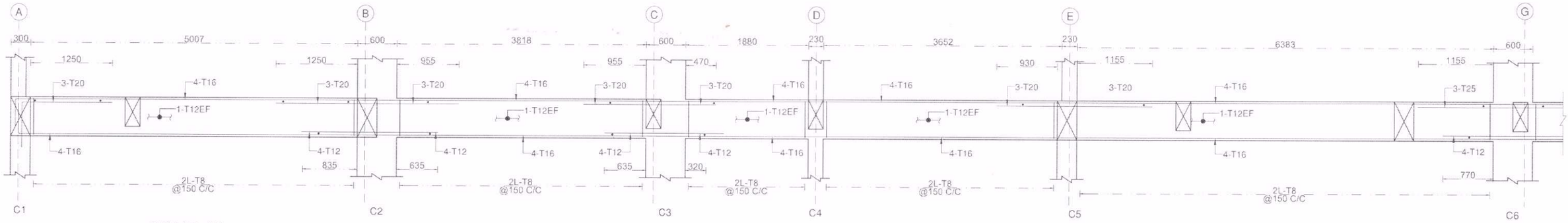
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

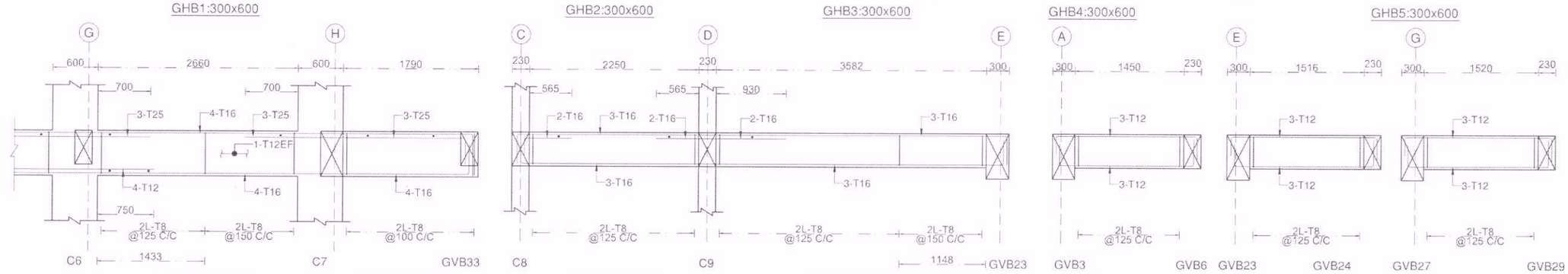
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Designed K.LOGANATHAN	Date 30-07-2025	
Drawn K.LOGANATHAN	Sheet Size A3	
Checked/ Approved K.LOGANATHAN	Scale 1:100	

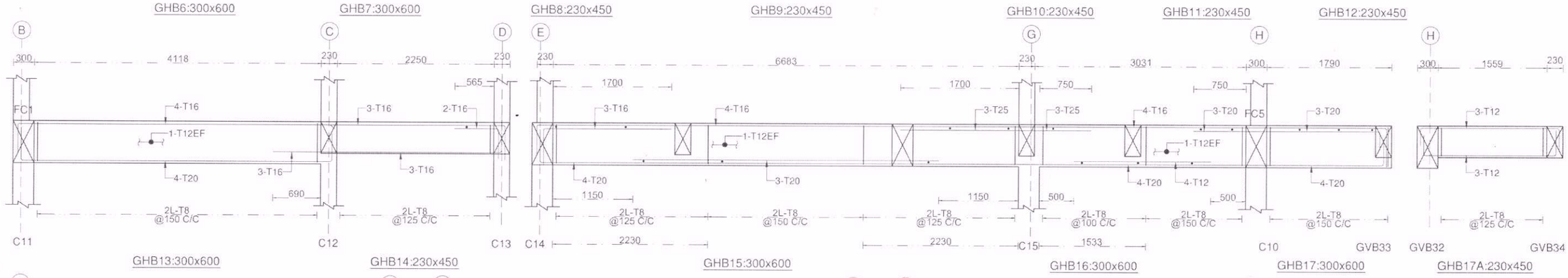
Drawing Title: GROUND FLOOR ROOF BEAM FRAMING PLAN

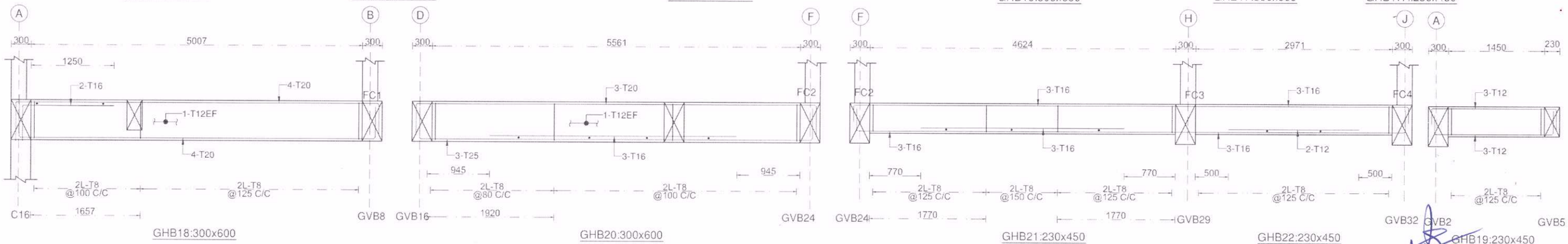
Drawing Number: PB/STR -009 Rev 00

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NOTES:

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9. Seismic Considered in Design

REVISIONS

REV.	DATE	DESCRIPTION	CHKD	APP.
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

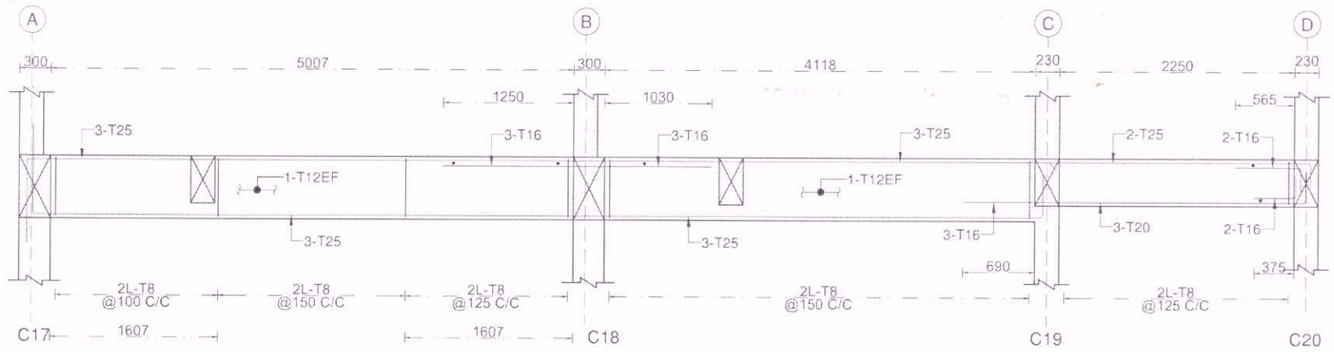
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Drawn	K.LOGANATHAN	Sheet Size A3
Checked/ Approved	K.LOGANATHAN	Scale 1:100

Drawing Title: GROUND FLOOR ROOF BEAM L.S.(1 OF 1)

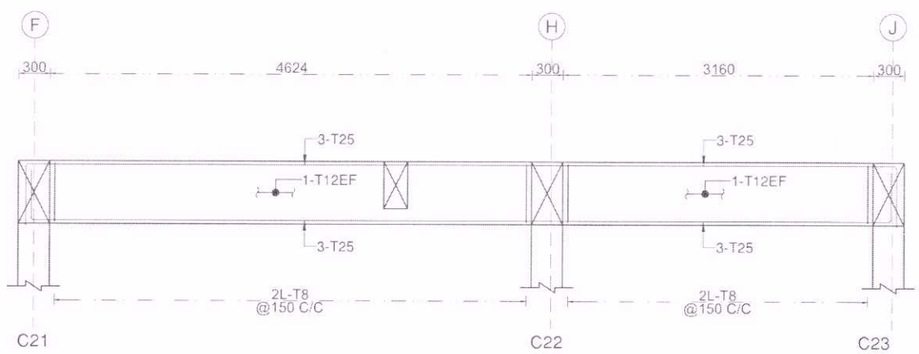
Drawing Number: PB/STR -010 Rev 00

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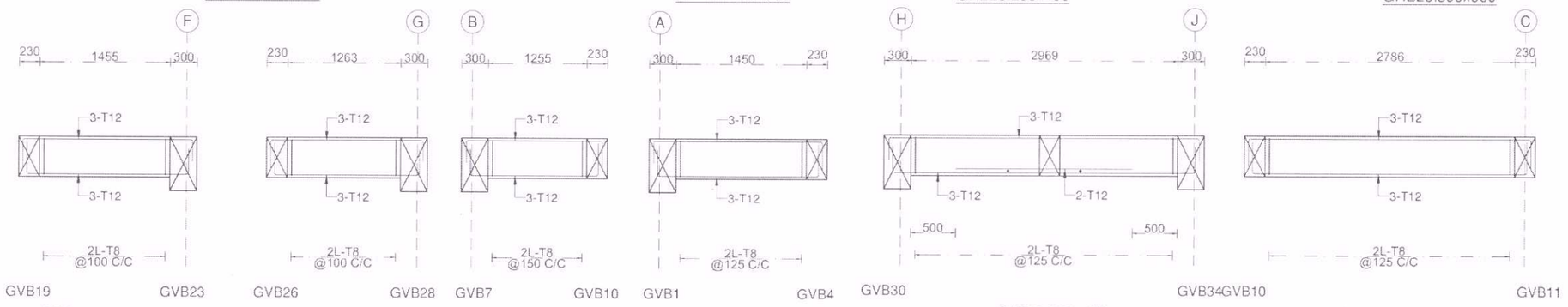
K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
STRUCTURAL ENGINEER
Old No. 1/49, MUNIYAPPAN KOIL STREET,
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NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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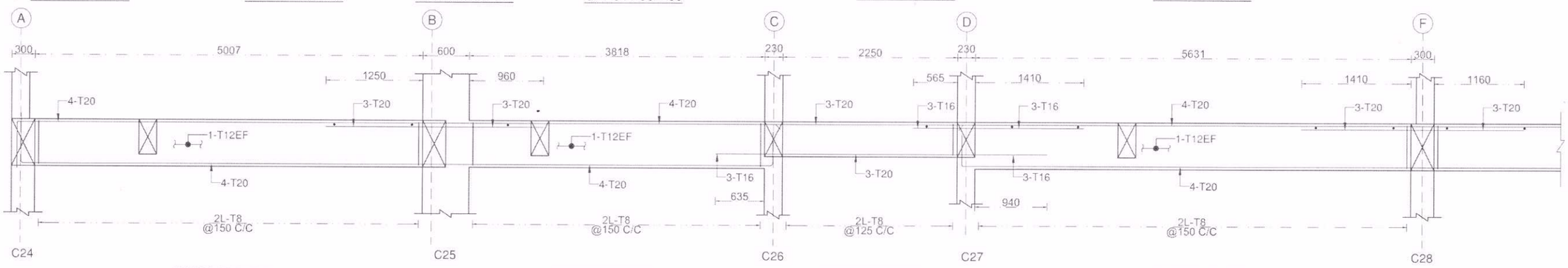
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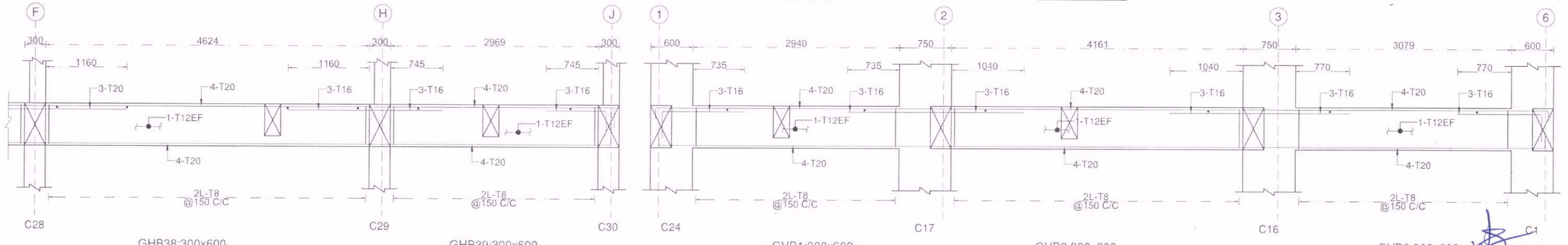
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GHB28:230x450 GHB29:230x450 GHB30:230x450 GHB31:230x450 GHB32:230x450 GHB33:230x450



GHB34:300x600 GHB35:300x600 GHB36:230x450 GHB37:300x600



GHB38:300x600 GHB39:300x600 GVB1:300x600 GVB2:300x600 GVB3:300x600

NOTES:
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REVISIONS

REV.	DATE	DESCRIPTION	CHKD	APP.
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

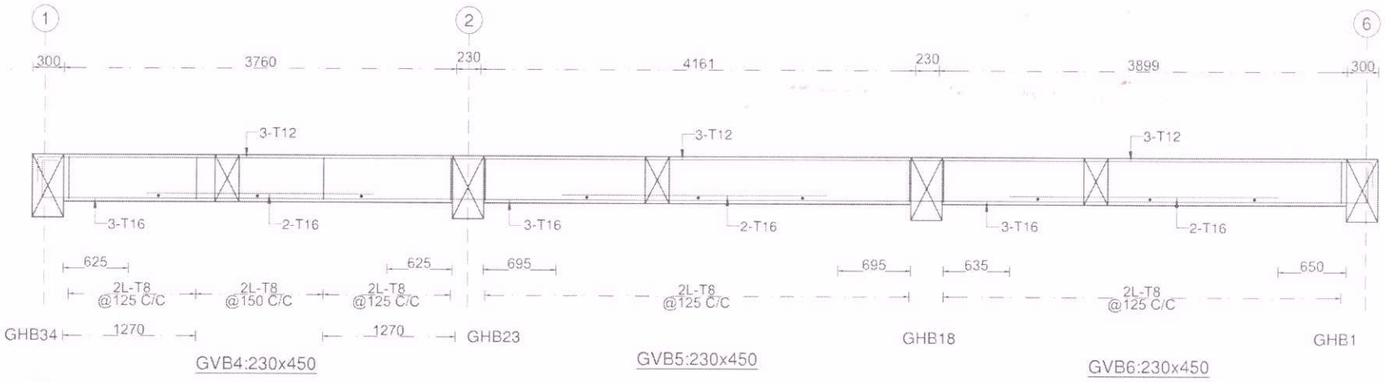
Designed	K.LOGANATHAN
Drawn	K.LOGANATHAN
Checked/ Approved	K.LOGANATHAN
Date	30-07-2025
Sheet Size	A3
Scale	1:100

Drawing Title: GROUND FLOOR ROOF BEAM LAYOUT

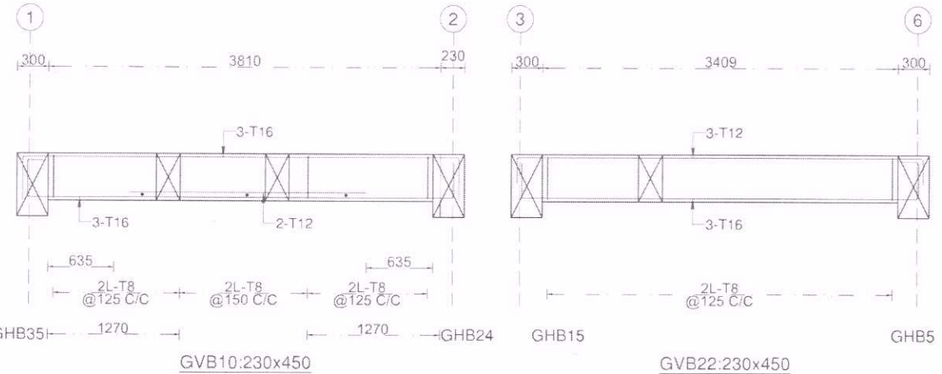
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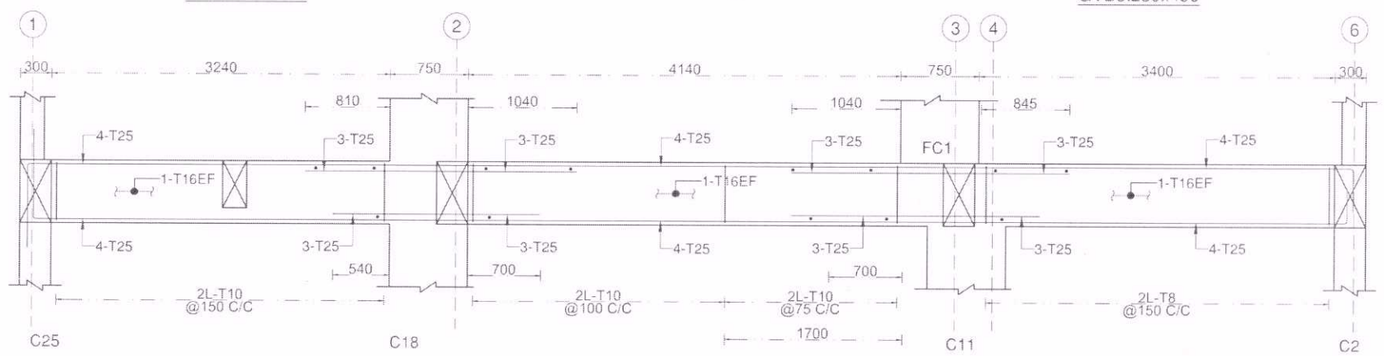
K. LOGANATHAN, M.E.,
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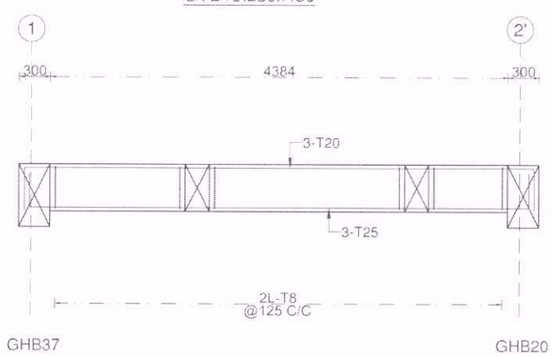
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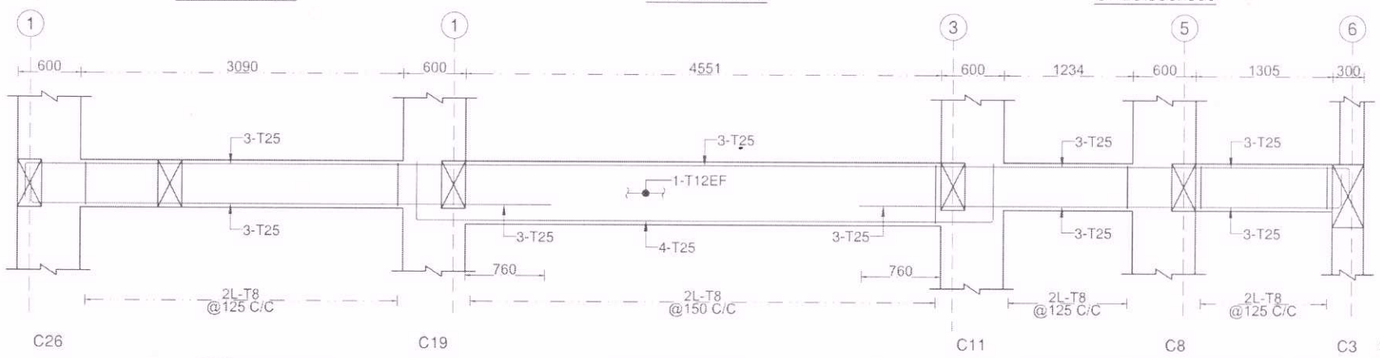
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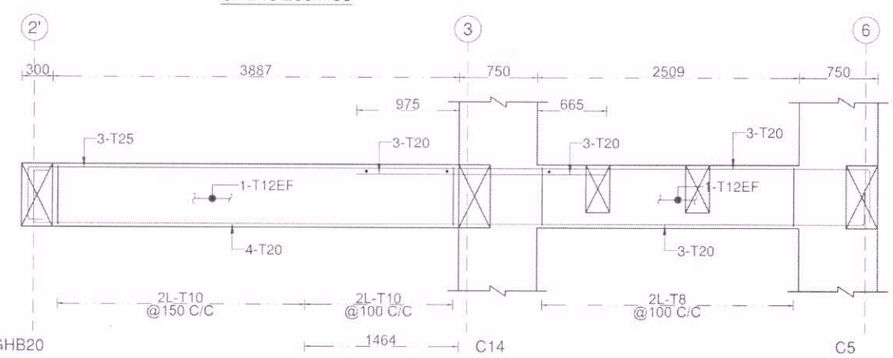
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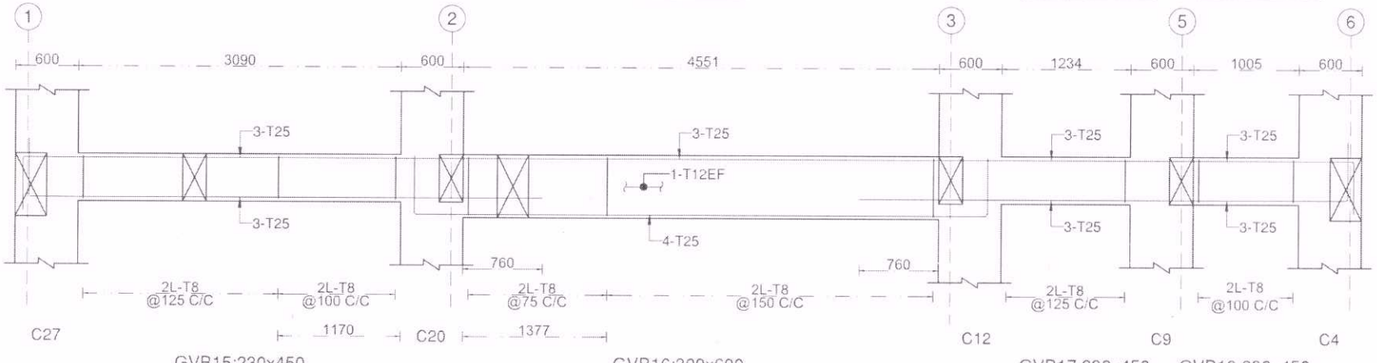
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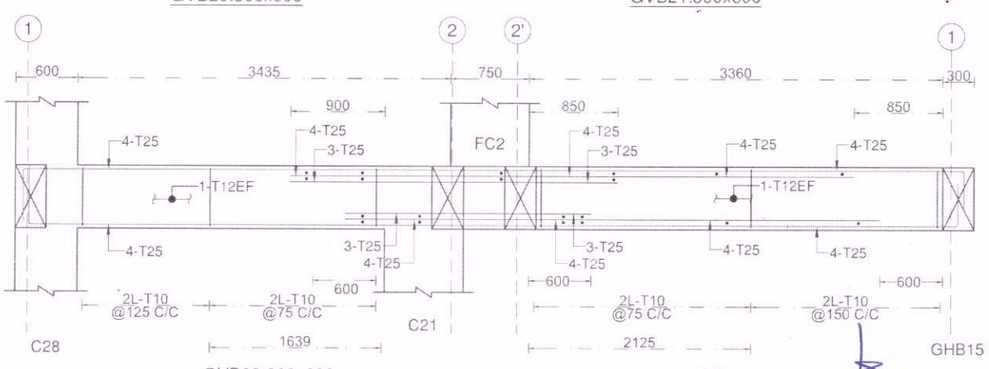
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GVB20:300x600 GVB21:300x600



GVB15:230x450 GVB16:300x600 GVB17:230x450 GVB18:230x450



GVB23:300x600 GVB24:300x600

NOTES:

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REVISIONS				
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REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

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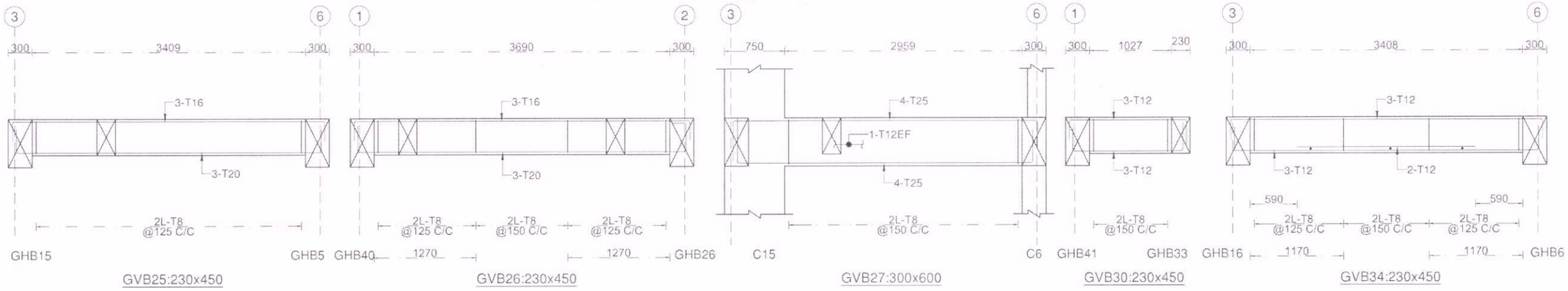
DRAWING DETAILS		
Designed	K.LOGANATHAN	Date 30-07-2025
Drawn	K.LOGANATHAN	Sheet Size A3
Checked/ Approved	K.LOGANATHAN	Scale 1:100

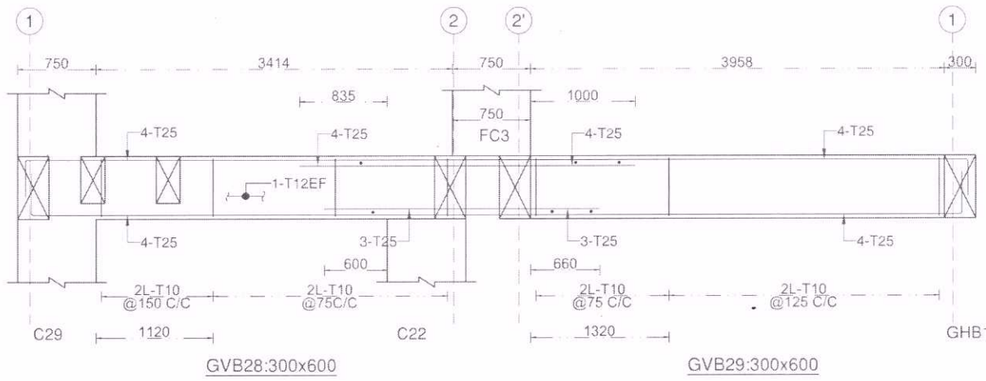
Drawing Title GROUND FLOOR ROOF BEAM LAYOUT

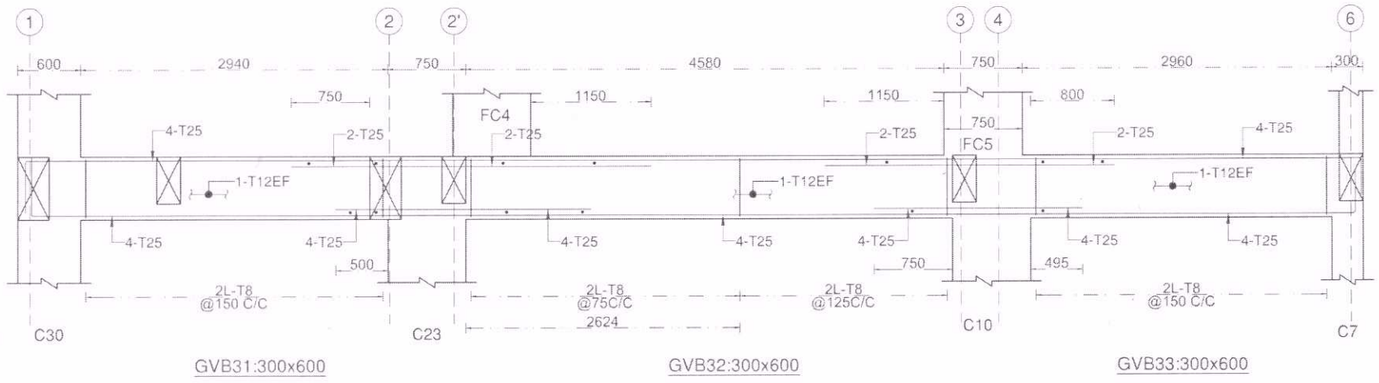
Drawing Number PB/STR -010 00

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STRUCTURAL ENGINEER
K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No. SE / GR-I / 19/12/226
NO. 1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525







GROUND FLOOR ROOF SLAB SCHEDULE

SLAB NUMBERS	THK	TYPE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		DISTRIBUTION
			SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SS CONT.	LS CONT.	
S1, S34	150	2-Way	T8 @ 150	T8 @ 150	--	T8 @ 150	T8 @ 150
S2. S9, S10, S17, S24, S25 S41	150	1-Way	T8 @ 150	--	T8 @ 150	--	T8 @ 150
S3. S5, S6, S7.S8,S11, S12, S13, S14.S18,S20,S22.S26 S27,S29,S30,S31, S32, S34, S36,S37, S38,S40	150	2-Way	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150
S4. S15, S21,S35	150	2-Way	T8 @ 150	T8 @ 150	T8 @ 150	--	T8 @ 150
S16, S19, S23,S28, S39	150	2-Way	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150

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STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
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NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:
1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25.
3. Clear cover to main reinforcement shall be as follows.
   a) Walls = 20 mm, b) Slab = 20 mm. C) Pile Cap = 50 mm
   d) Beams = 20 mm e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered, unless otherwise specified
5. P.C.C levelling Course 1:3:6 below Pile Cap and Tie Beam.
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-5") before going for actual piling.
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

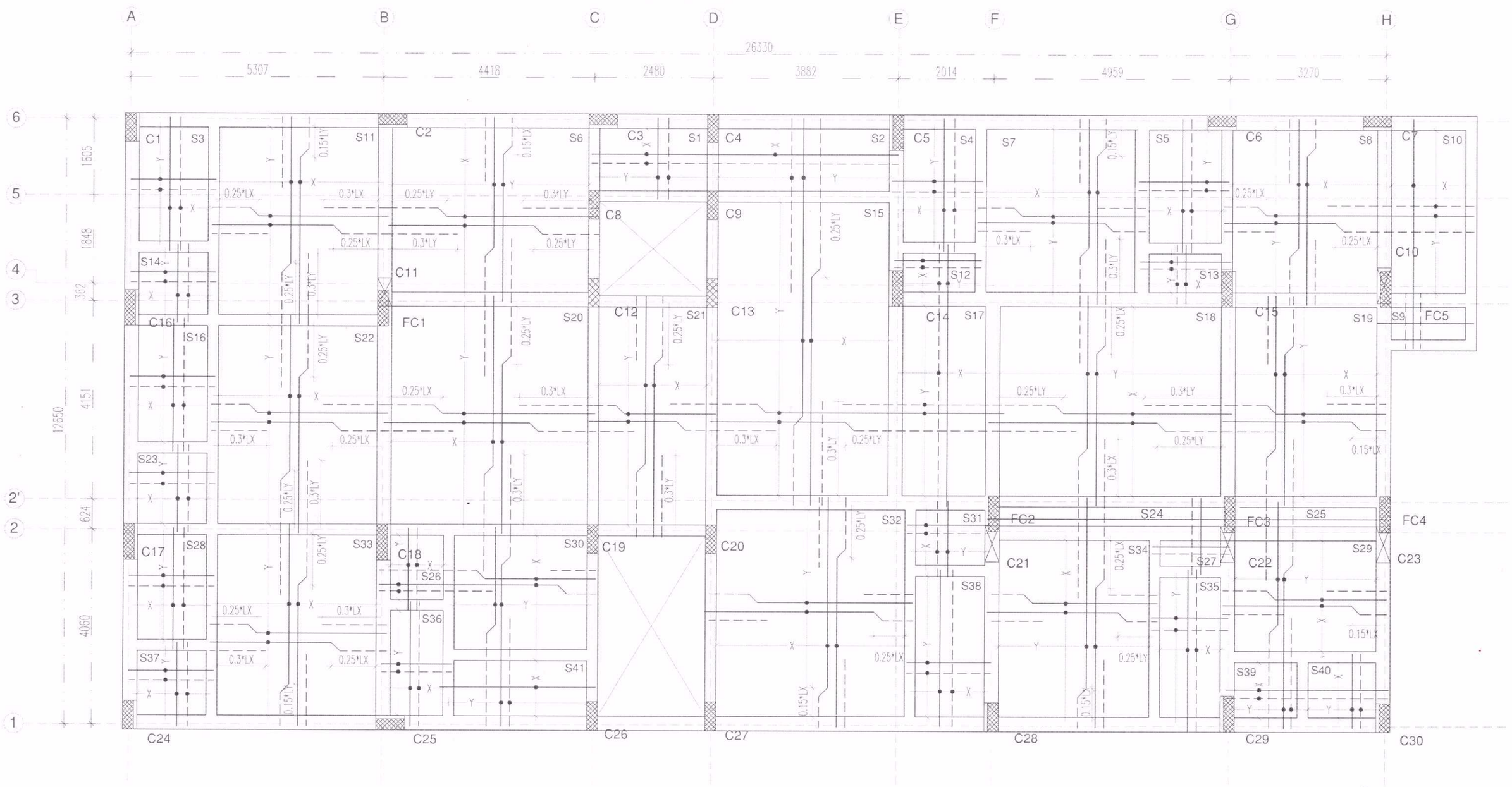
DRAWING DETAILS

Designed K.LOGANATHAN	Date 30-07-2025
Drawn K.LOGANATHAN	Sheet Size A3
Checked/ Approved K.LOGANATHAN	Scale 1:100

Drawing Title
GROUND FLOOR ROOF BEAM L.S&STEEL SCHEDULE(4 OF 4)
Drawing Number PB/STR -010 Rev 00

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STRUCTURAL ENGINEER:



GROUND FLOOR ROOF BEAM STEEL LAYOUT

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CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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NOTES:

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9. Seismic Considered in Design

REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

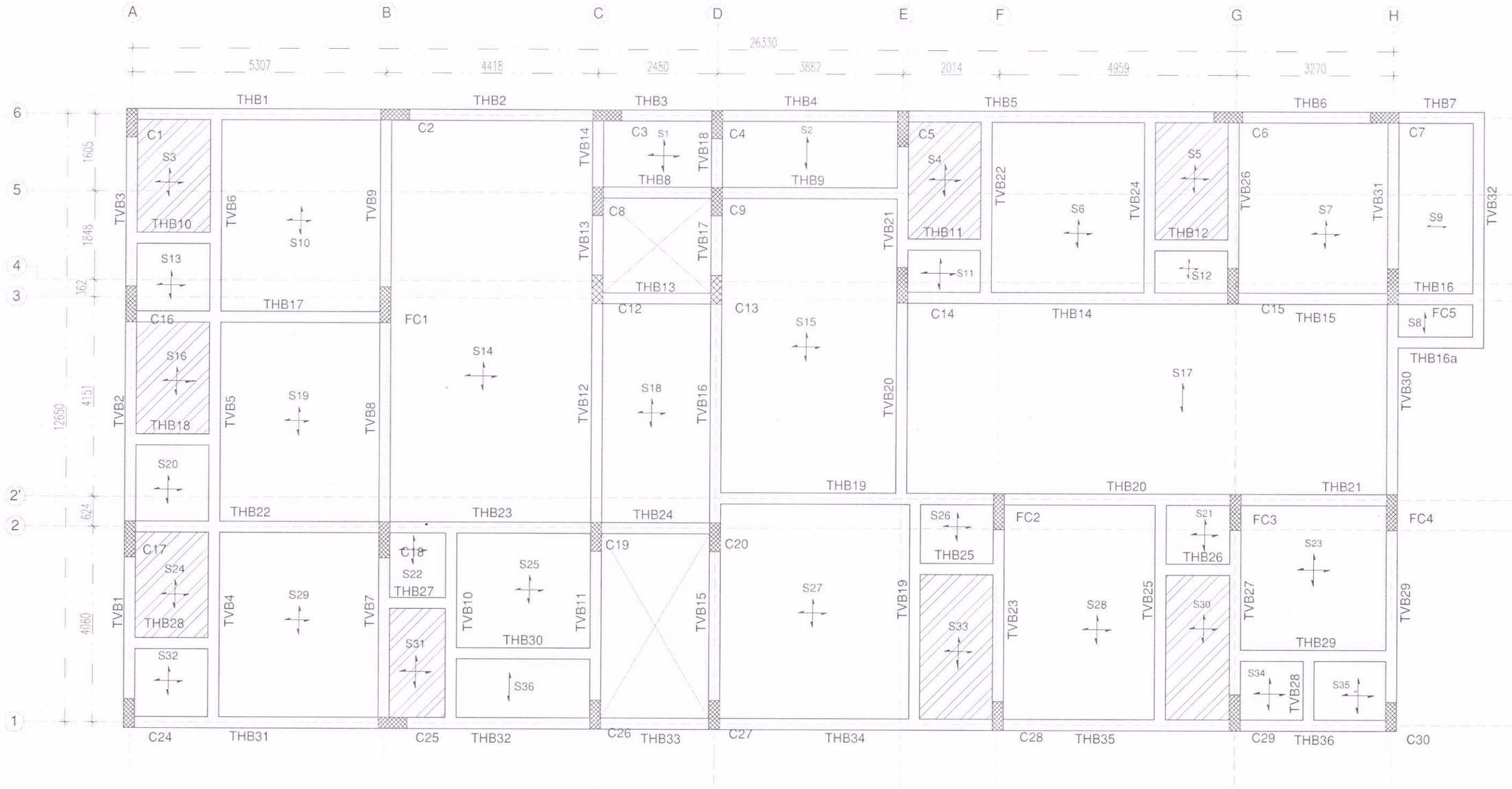
DRAWING DETAILS		
Designed K.LOGANATHAN	Date	30-07-2025
Drawn K.LOGANATHAN	Sheet Size	A3
Checked/ Approved K.LOGANATHAN	Scale	1:100

Drawing Title GROUND FLOOR ROOF BEAM STEEL SCHEDULE

Drawing Number PB/STR -011 Rev 00

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STRUCTURAL ENGINEER



Notes: TYPICAL FLOOR ROOF BEAM FRAMING PLAN

1.All the beam dimensions are 230x450 unless otherwise specified

2.All the slab Thickness are 150 unless otherwise specified ▨ -10" Sunken

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E-mail: logus588@gmail.com
Mobile: +91 94454 50525

NOTES:
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REVISIONS

REV.	DATE	DESCRIPTION	CHKD	APP.
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA

N W E S

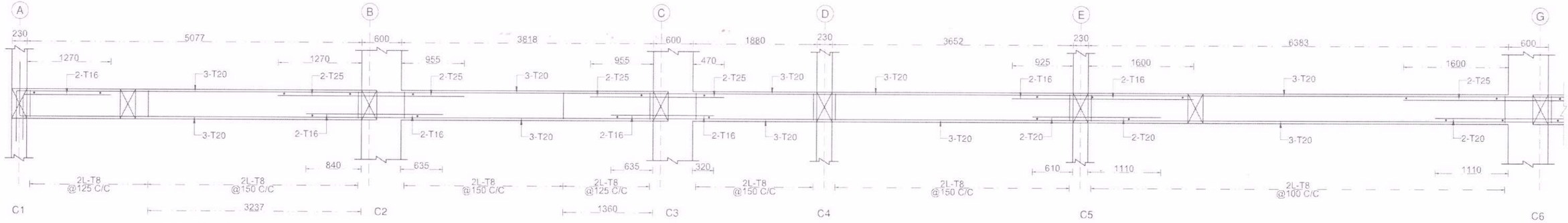
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PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

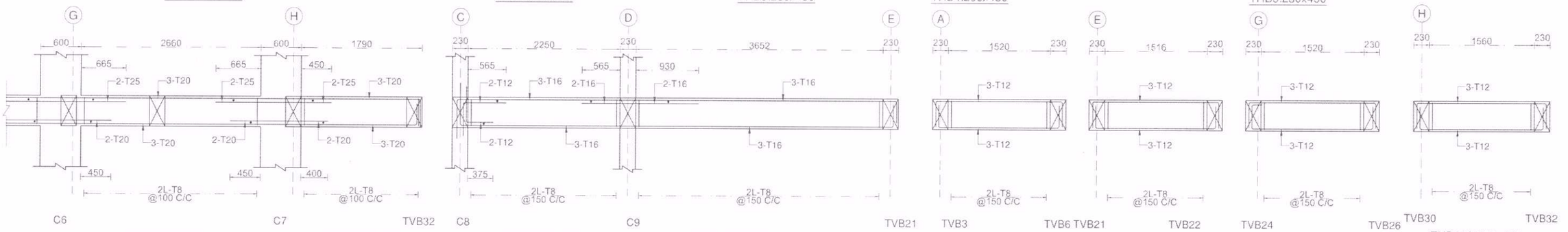
Designed	K.LOGANATHAN	Date 30-07-2025
Drawn	K.LOGANATHAN	Sheet Size A3
Checked/ Approved	K.LOGANATHAN	Scale 1:100

Drawing Title: TYPICAL FLOOR ROOF BEAM FRAMING PLAN
Drawing Number: PB/STR -012 Rev 00

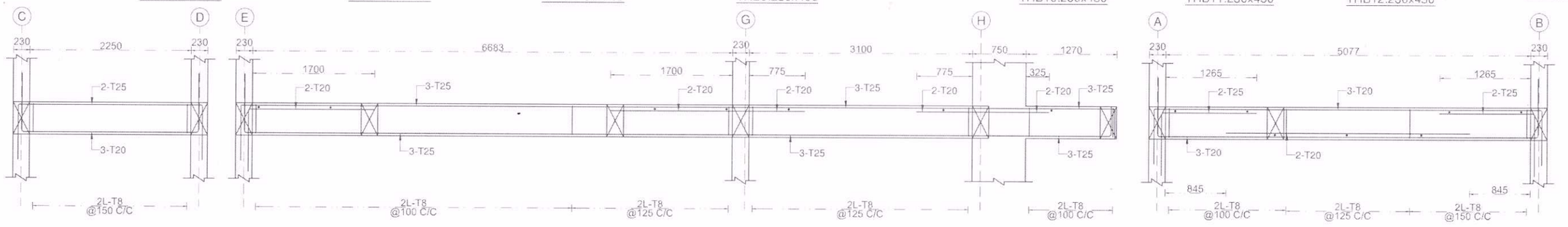
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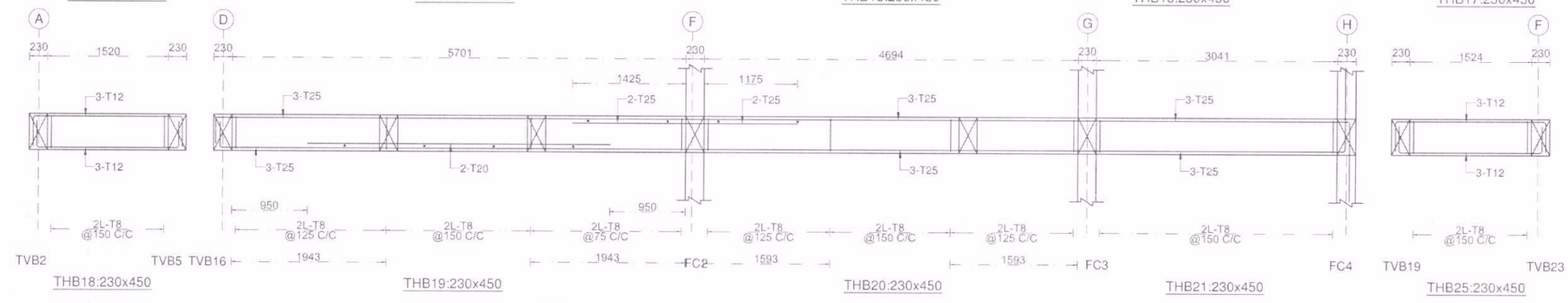
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THB6:230x450 THB7:230x450 THB8:230x450 THB9:230x450 THB10:230x450 THB11:230x450 THB12:230x450 THB16A:230x450



THB13:230x450 THB14:230x450 THB15:230x450 THB16:230x450 THB17:230x450



THB18:230x450 THB19:230x450 THB20:230x450 THB21:230x450 THB25:230x450

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
UTHUKKAL - 637 403.
E.mail: logu8588@gmail.com
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NOTES:
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8. This structure is Designed " STILT+5 "
9. Seismic Considered in Design

REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

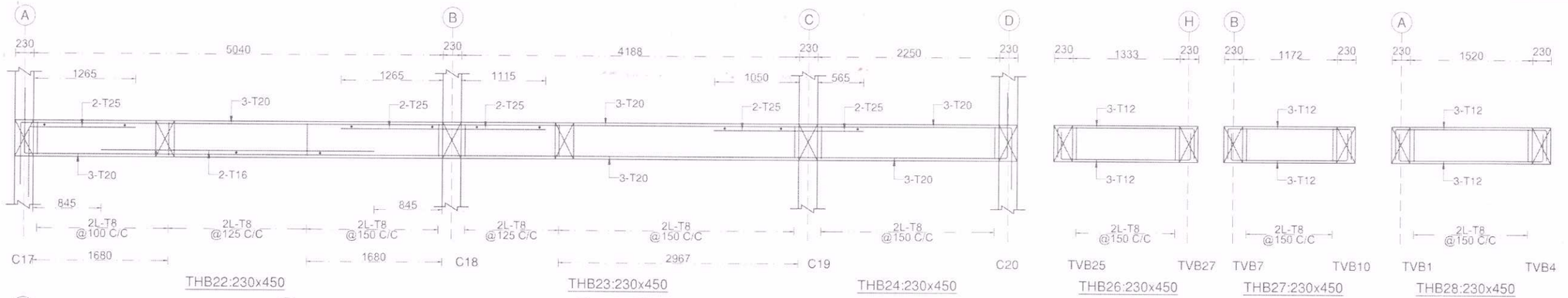
Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

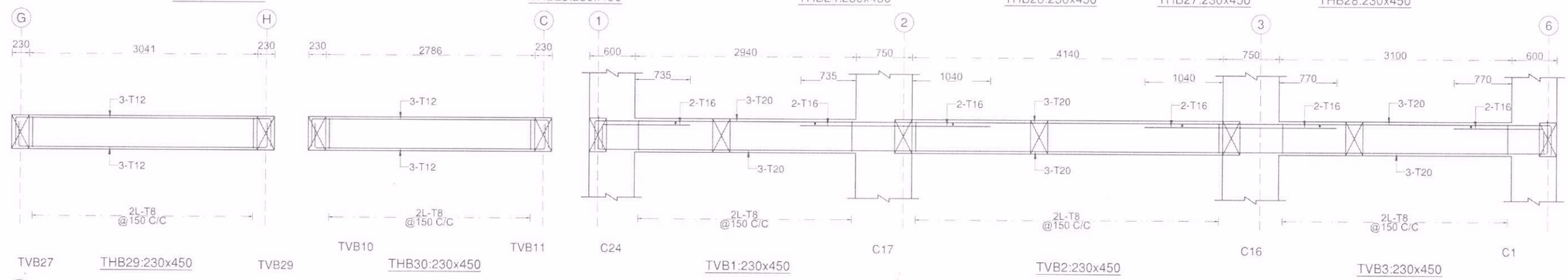
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Designed: K.LOGANATHAN	Date: 30-07-2025	
Drawn: K.LOGANATHAN	Sheet Size: A3	
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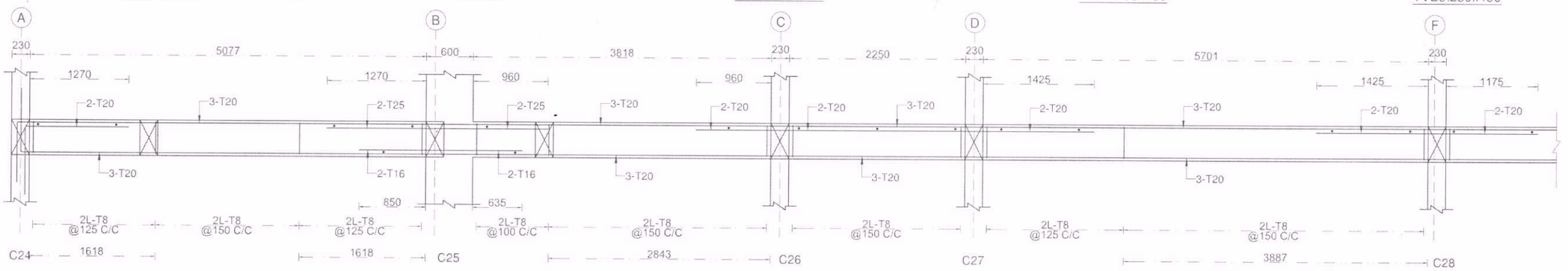
Drawing Title: TYPICAL FLOOR ROOF BEAM L.S (1 OF 3)
Drawing Number: PB/STR -013 Rev 00

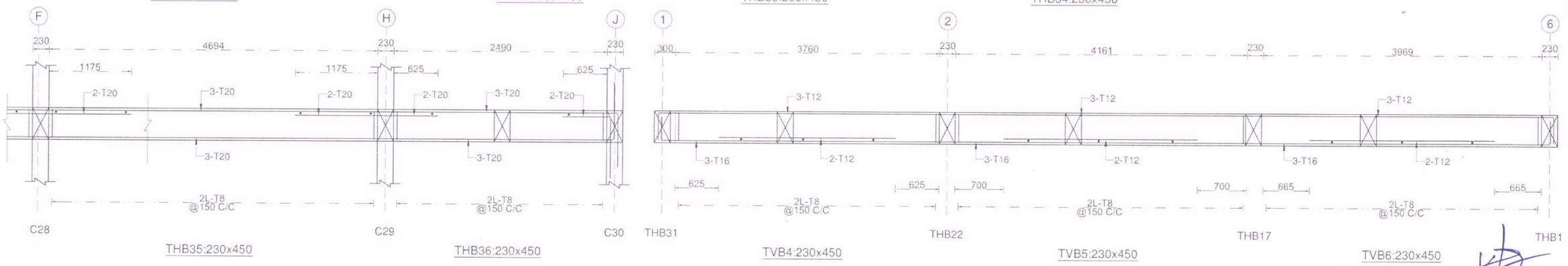
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STRUCTURAL ENGINEER









NOTES:

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6. 'T' denotes HYSD Bars (Fe 550).
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-6") before going for actual piling.
8. This structure is Designed : STILT+5
9. Seismic Considered in Design

REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project

PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

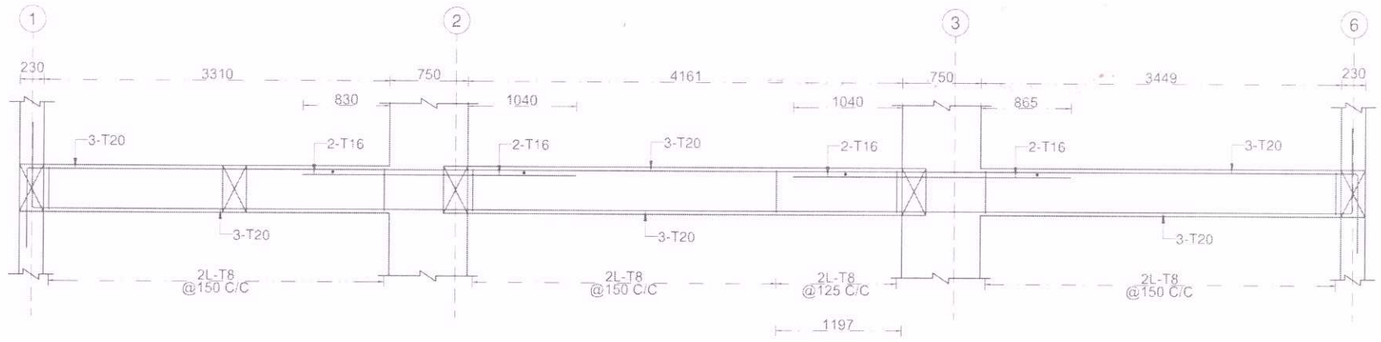
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Designed: K.LOGANATHAN	Date: 30-07-2025	
Drawn: K.LOGANATHAN	Sheet Size: A3	
Checked/ Approved: K.LOGANATHAN	Scale: 1:100	

Drawing Title
TYPICAL FLOOR ROOF BEAM L.S (2 OF 6)

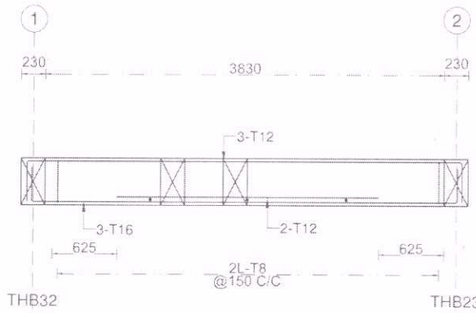
Drawing Number
PB/STR -013

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K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA PRCC No: SE / GR-I / 19/12/226
STRUCTURAL ENGINEER,
No. 1749, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
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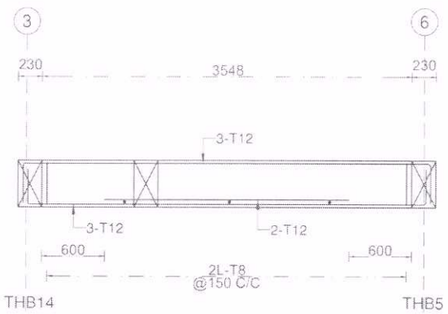


C25 TVB7:230x450 C18 TVB8:230x450 FC1 TVB9:230x450 C2



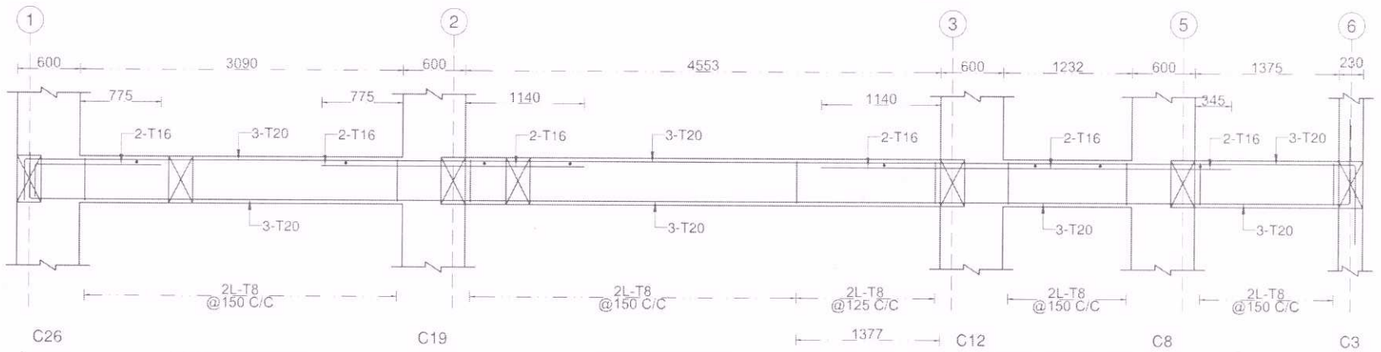
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TVB10:230x450



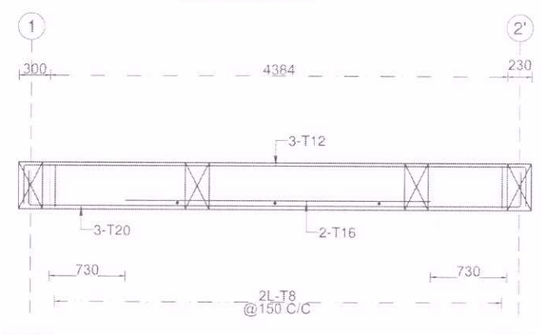
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TVB22:230x450



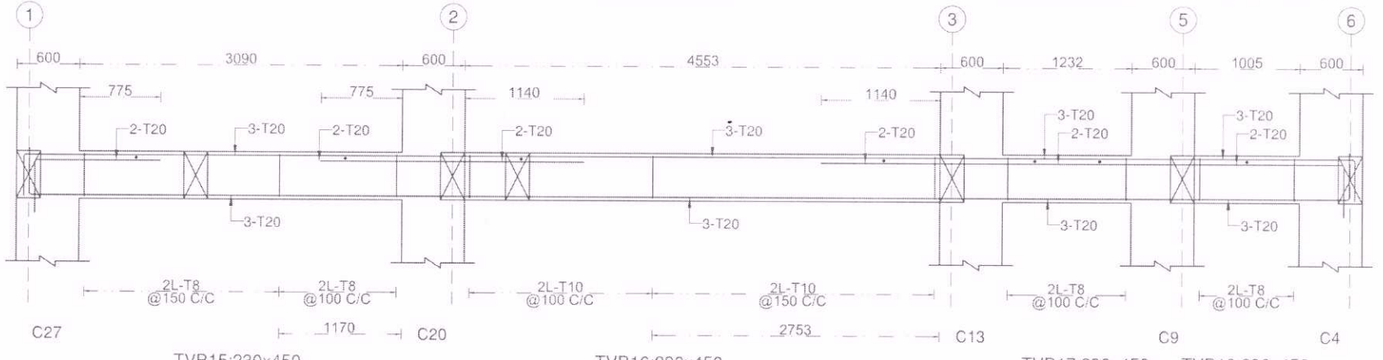
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TVB11:230x450 TVB12:230x450 TVB13:230x450 TVB14:230x450



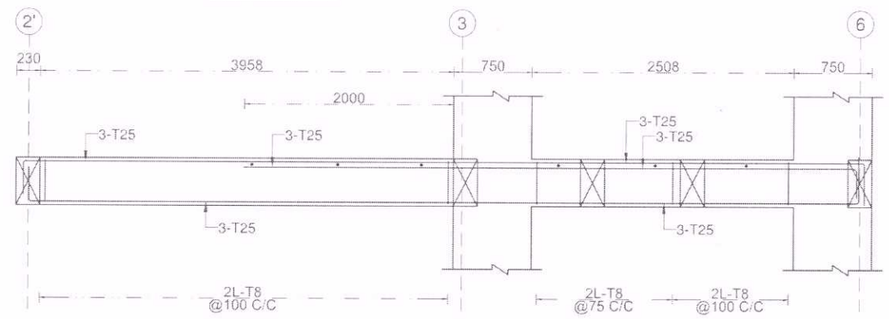
THB34 THB19

TVB19:230x450



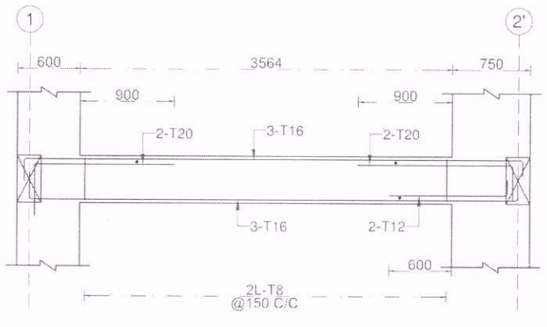
C27 C20 C13 C9 C4

TVB15:230x450 TVB16:230x450 TVB17:230x450 TVB18:230x450



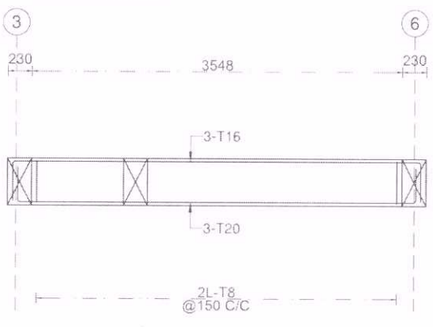
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TVB20:230x450 TVB21:230x450



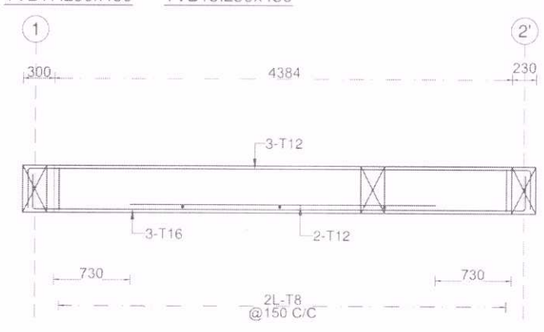
C28 FC2

TVB23:230x450



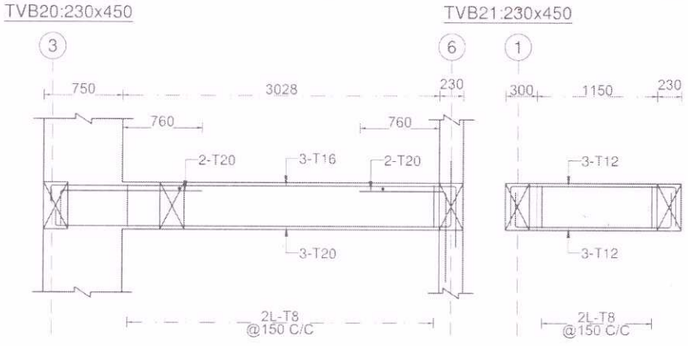
THB14 THB5

TVB24:230x450



THB35 THB20

TVB25:230x450



C15 C6 THB38 THB30

TVB26:230x450 TVB28:230x450

NOTES:

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N W E S

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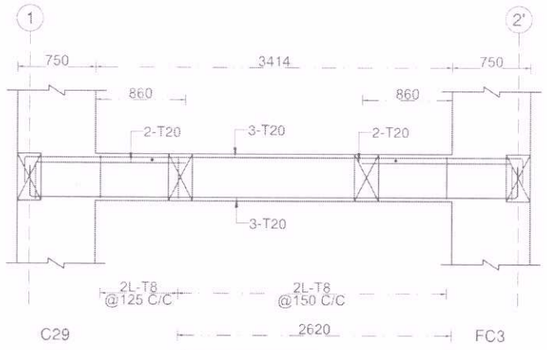
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Designed K.LOGANATHAN	Date 30-07-2025	
Drawn K.LOGANATHAN	Sheet Size A3	
Checked/ Approved K.LOGANATHAN	Scale 1:100	

Drawing Title: TYPICAL FLOOR ROOF BEAM L.S (2 OF 3)

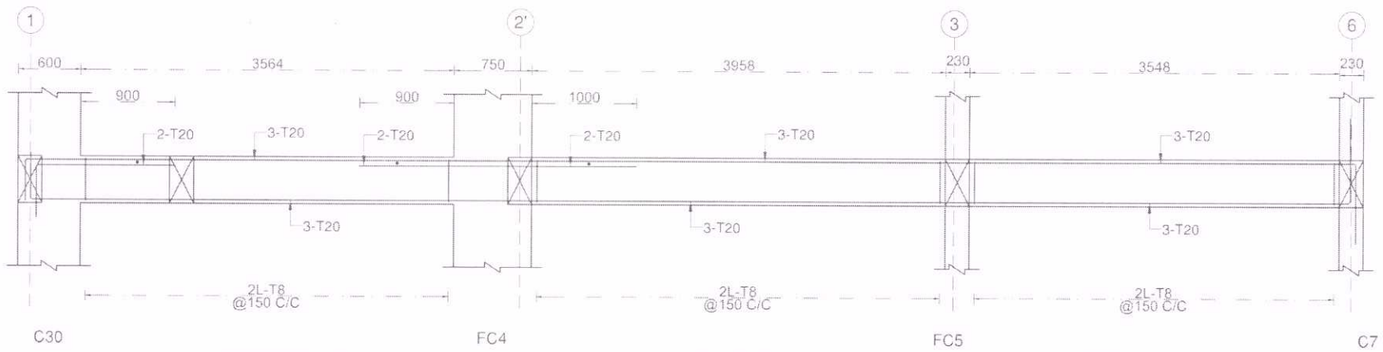
Drawing Number: PB/STR -013

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E.mail: logu8588@gmail.com
Mobile: +91 94454 50525



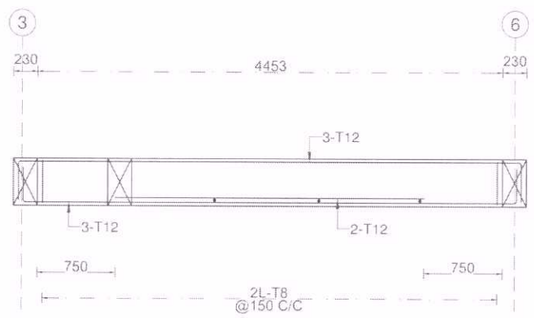
TVB27:230x450



TVB29:230x450

TVB30:230x450

TVB31:230x450



TVB32:230x450

TYPICAL FLOOR ROOF SLAB SCHEDULE

SLAB NUMBERS	THK	TYPE	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		DISTRIBUTION
			SHORT SPAN (BENT UP)	LONG SPAN (BENT UP)	SS CONT.	LS CONT.	
S1	150	2-Way	T8 @ 150	T8 @ 150	--	T8 @ 150	T8 @ 150
S2, S8, S9, S36	150	1-Way	T8 @ 150	--	T8 @ 150	--	T8 @ 150
S3, S5, S6, S7,S10, S11, S12 S13, S19, S21,S22, S23, S24 S25, S26, S27,S28, S29, S30 S31, S32, S33,S35	150	2-Way	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150
S4, S15, S18	150	2-Way	T8 @ 150	T8 @ 150	T8 @ 150	--	T8 @ 150
S14	150	2-Way	T10 @ 150	T10 @ 150	T8 @ 150	T8 @ 150	T8 @ 150
S16, S20, S34	150	2-Way	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150	T8 @ 150
S17	150	1-Way	T10 @ 150	--	T10 @ 150	--	T8 @ 150

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

NOTES:
1. All Dimensions are in feet & inches.
2. Grade of Concrete Ground Roof M35 & All others M25
3. Clear cover to main reinforcement shall be as follows a) Walls = 20 mm. b) Slab = 20 mm. C) Pile Cap = 50 mm d) Beams = 20 mm e) Column = 40mm.
4. All Laps Shall be 50 times Ø of bar & shall be staggered, unless otherwise specified
5. P.C.C levelling Course 1:3:6 below Pile Cap and Tie Beam
6. 'T' denotes HYSD Bars (Fe 550)
7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-6") before going for actual piling
8. This structure is Designed ' STILT+5 '
9. Seismic Considered in Design

REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

N W E S

Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD NO. 173 & 171, NEW NO: 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

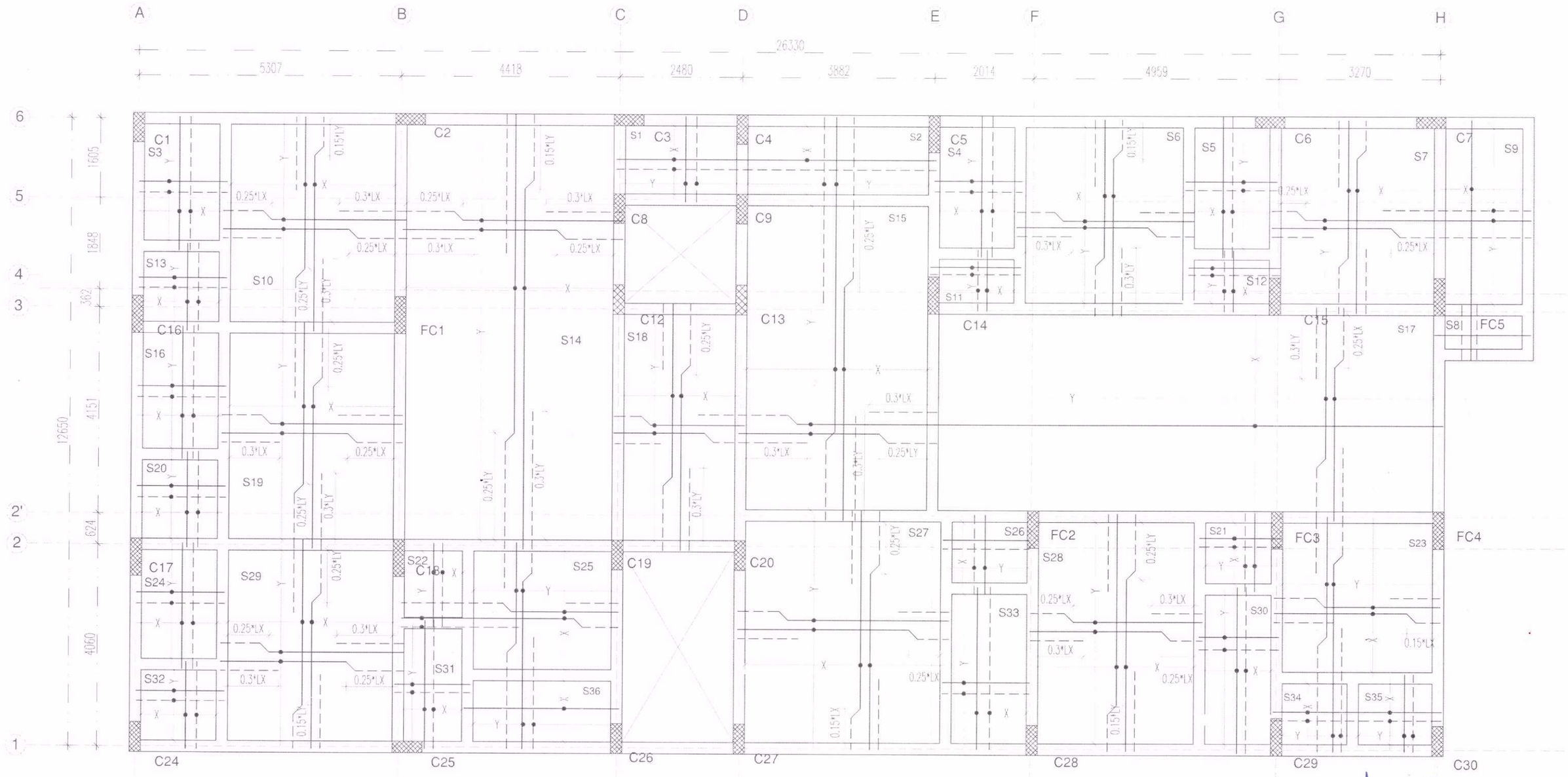
Designed K.LOGANATHAN	Date 30-07-2025	
Drawn K.LOGANATHAN	Sheet Size A3	
Checked/ Approved K.LOGANATHAN	Scale 1:100	

Drawing Title
TYPICAL FLOOR ROOF BEAM L.S& STEEL SCHEDULE (4 OF 4)

Drawing Number PB/STR -013 Rev 00

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STRUCTURAL ENGINEER:



TYPICAL FLOOR ROOF BEAM STEEL LAYOUT

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
No.1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
E.mail: logu8588@gmail.com
Mobile: +91 94454 50525

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REVISIONS				
00	30-07-2025	GOOD FOR CONSTRUCTION	LOGA	LOGA
REV.	DATE	DESCRIPTION	CHKD	APP.

Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

Designed: K.LOGANATHAN	Date: 30-07-2025
Drawn: K.LOGANATHAN	Sheet Size: A3
Checked/ Approved: K.LOGANATHAN	Scale: 1:100

Drawing Title: TYPICAL FLOOR ROOF BEAM STEEL LAYOUT
Drawing Number: PB/STR -014 Rev: 00

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STRUCTURAL ENGINEER:

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

Verified RealEstate
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.