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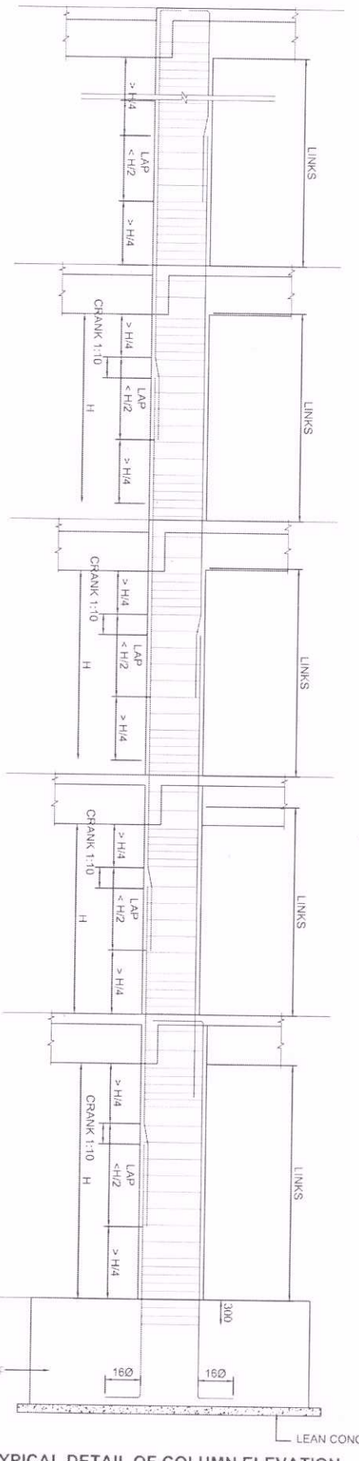
# RERA Document

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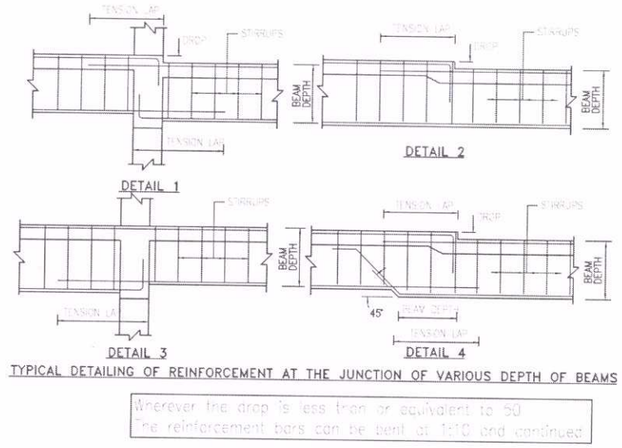
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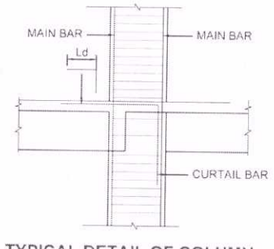



TYPICAL DETAIL OF COLUMN ELEVATION

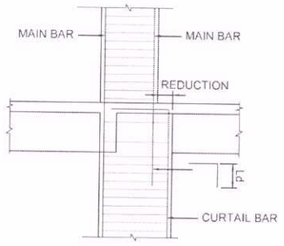



TYPICAL DETAILING OF REINFORCEMENT AT THE JUNCTION OF VARIOUS DEPTH OF BEAMS

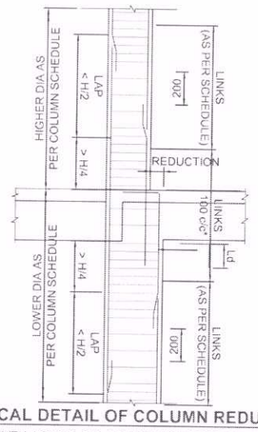
Wherever the drop is less than or equivalent to 50
the reinforcement bars can be bent at 1:10 and continued



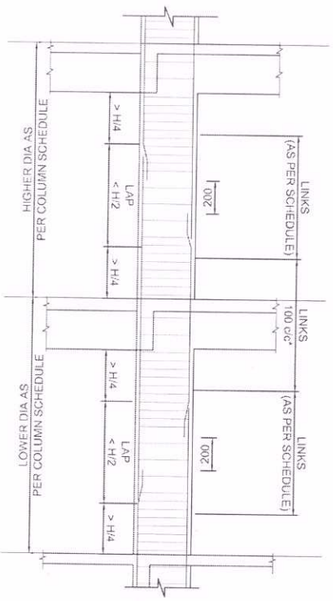

TYPICAL DETAIL OF COLUMN MAIN STEEL CURTAILMENT



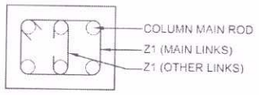

TYPICAL DETAIL OF COLUMN REDUCTION
(WITH OUT CHANGE IN DIA AND NUMBER OF BARS)



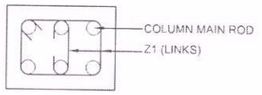

TYPICAL DETAIL OF COLUMN REDUCTION
(WITH LOWER DIA BELOW AND HIGHER DIA ABOVE )



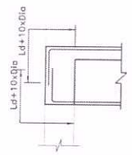

SPLICING DETAILS OF COLUMN
(WITH LOWER DIA BELOW AND HIGHER DIA ABOVE )



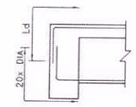

Z1- Special confining reinforcement



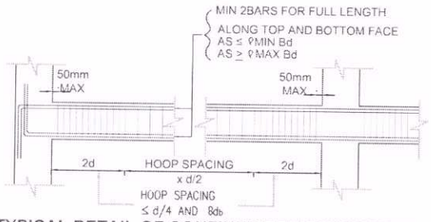

Z2 - Remaining zone reinforcement



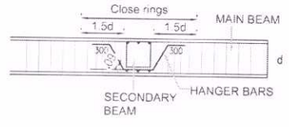

TYPICAL BEAM ANCHORAGE DETAILS
TYPE-1 BEAM RESTING ON COLUMN




TYPICAL BEAM ANCHORAGE DETAILS
TYPE-2 BEAM RESTING ON BEAM




TYPICAL DETAIL OF CONFINED REINFORCEMENT
(IN BEAMS)




TYPICAL DETAIL OF HANGER BARS

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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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| | | | | |
| 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 | 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.

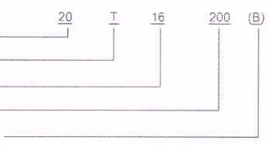
b) Cranking of column bars should not exceed a slops of 1 in 10 wherever possible, not more than 50% of column bars should be spliced at one section. All column splices shall be based on tension lap lengths.

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.


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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 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

REVISIONS

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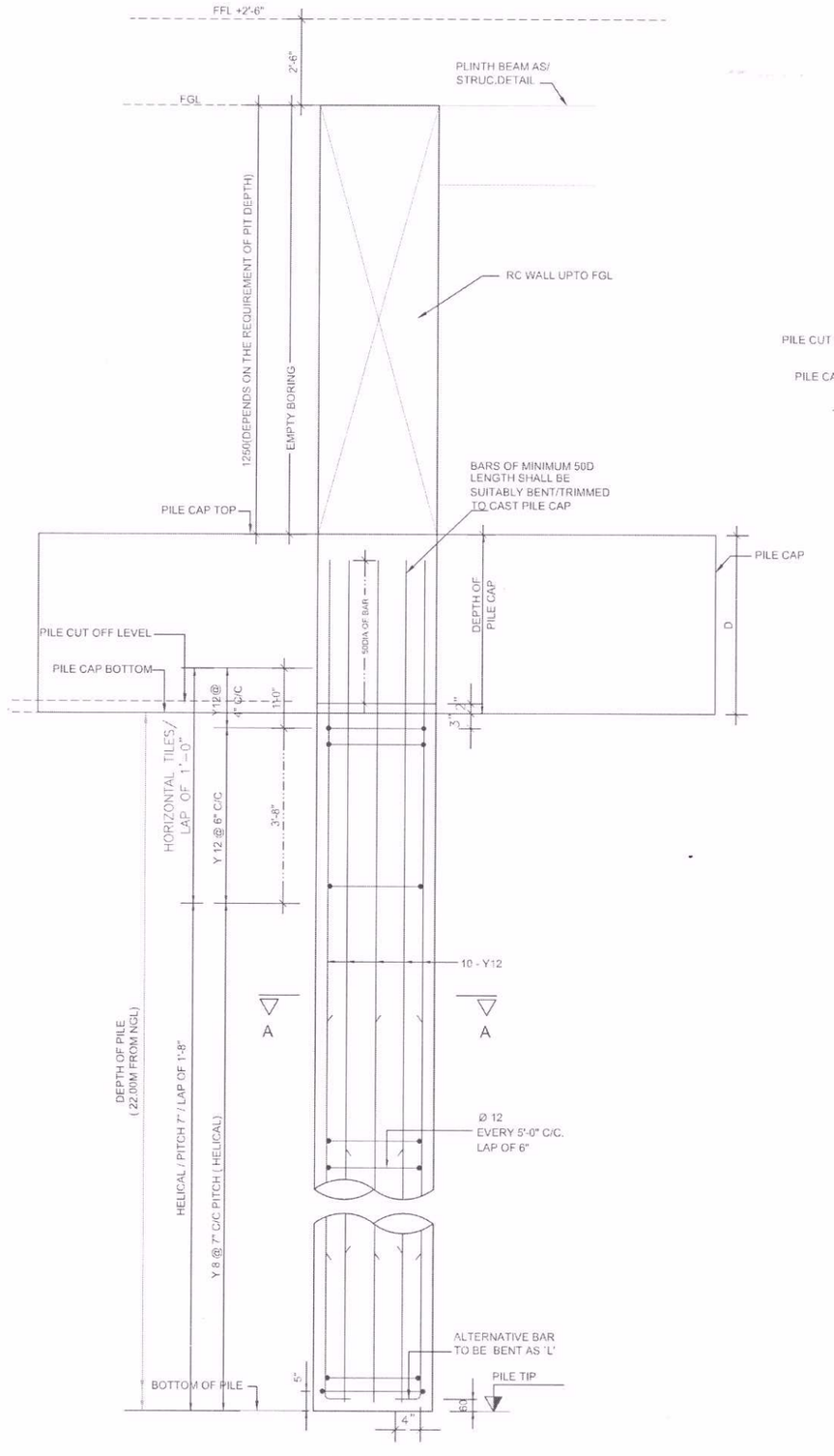
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| Drawn | K.LOGANATHAN |
| Checked/ Approved | K.LOGANATHAN |
| Date | 15-05-2025 |
| Sheet Size | A3 |
| Scale | 1:100 |

Drawing Title: PILE DETAILS

Drawing Number: PB/STR -001B Rev 00

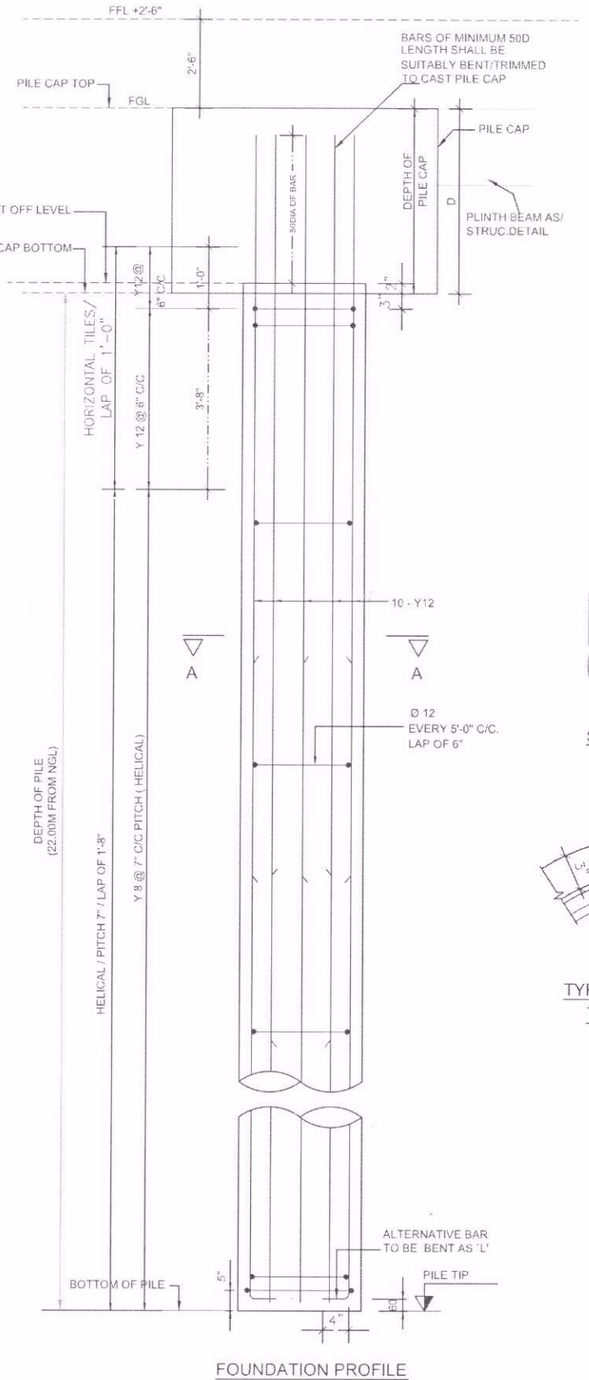

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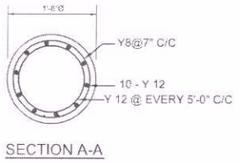

FOUNDATION PROFILE

RC DETAIL OF 1'-8"Ø PILE AT LIFT WELL

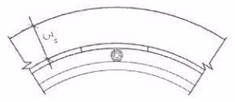



FOUNDATION PROFILE

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**

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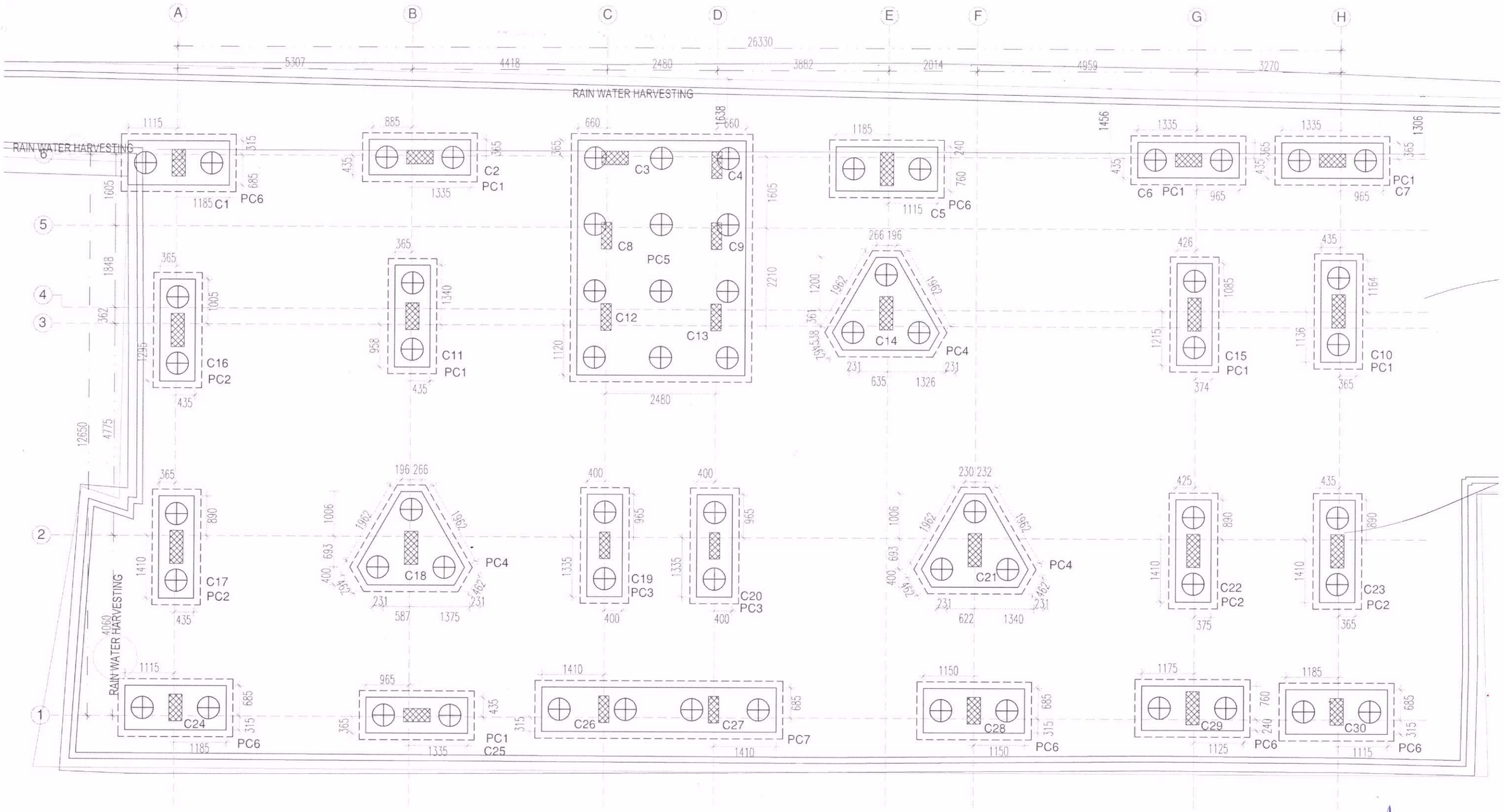
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| Designed | K.LOGANATHAN | Date 15-05-2025 |
| Drawn | K.LOGANATHAN | Sheet Size A3 |
| Checked/ Approved | K.LOGANATHAN | Scale 1:100 |

**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
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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 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. |

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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

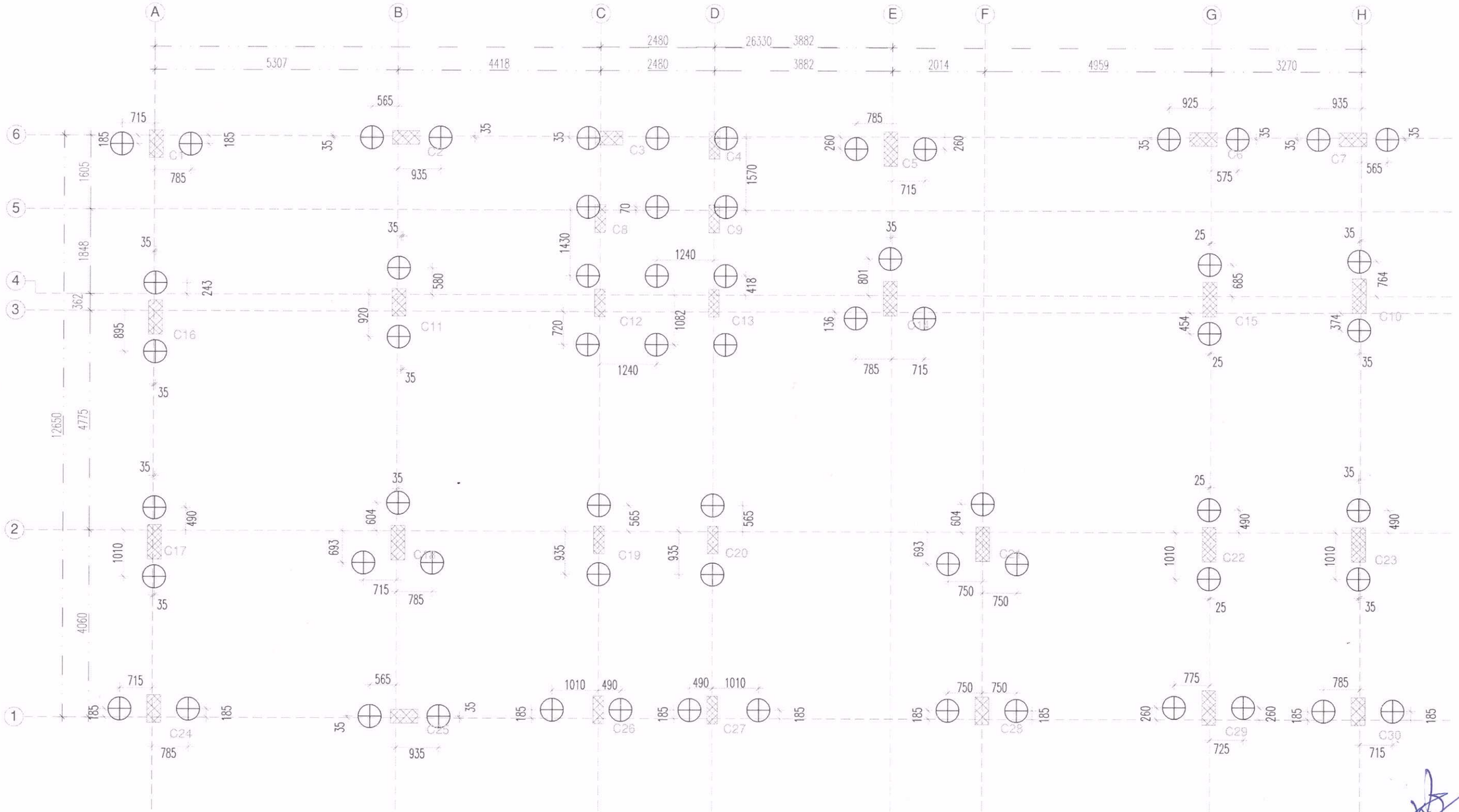
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| Designed: K.LOGANATHAN | Date: 15-05-2025 |
| Drawn: K.LOGANATHAN | Sheet Size: A3 |
| Checked/ Approved: K.LOGANATHAN | Scale: 1:100 |

**Drawing Title** PILE CAP LAYOUT (01 OF 02)

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


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STRUCTURAL ENGINEER:




PILECENTRELINE LAYOUT

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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
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9. Seismic Considered in Design

| REVISIONS | | | | |
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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.

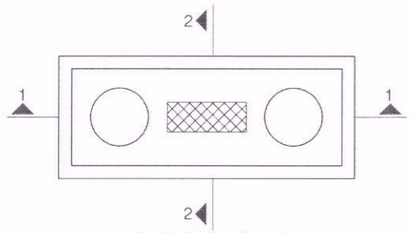
| DRAWING DETAILS | | |
|---|---|---|
| Designed K.LOGANATHAN | Date | 15-05-2025 |
| Drawn K.LOGANATHAN | Sheet Size | A3 |
| Checked/ Approved K.LOGANATHAN | Scale | 1:100 |

**Drawing Title** PILE CENTRELINE LAYOUT (02 OF 02)

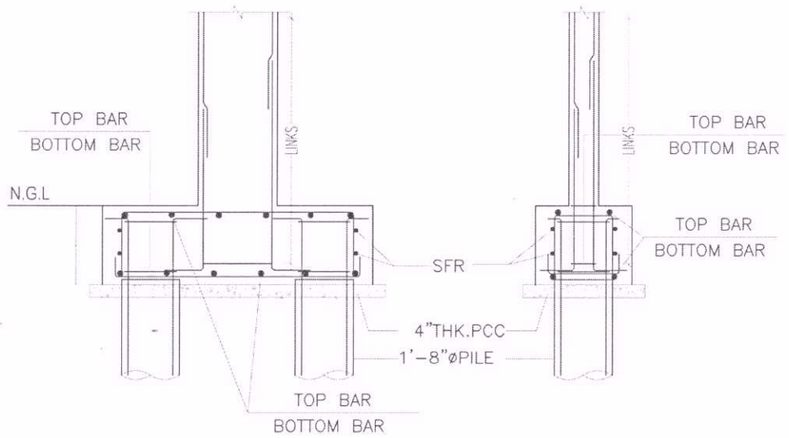
**Drawing Number** PB/STR -002 **Rev** 00

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STRUCTURAL ENGINEER:



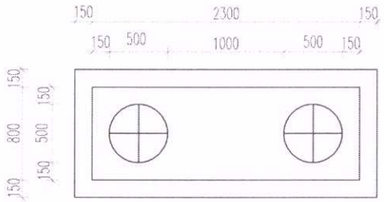

PILE CAP - PLAN



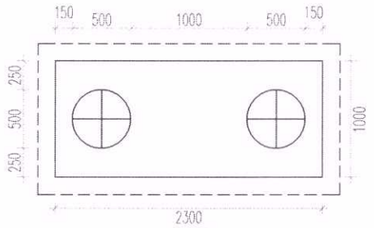

SECTION 1-1
(SCALE 1:50)

SECTION 2-2
(SCALE 1:50)

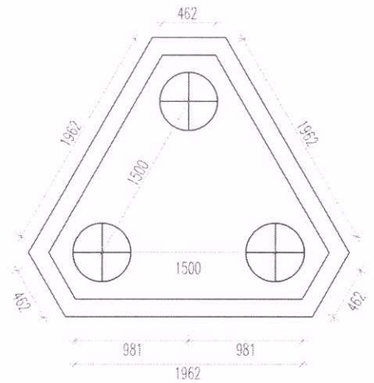
DETAIL OF PC (Typ.)



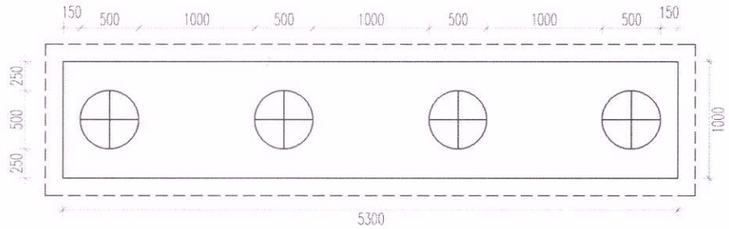

PC-1, PC-2, PC-3



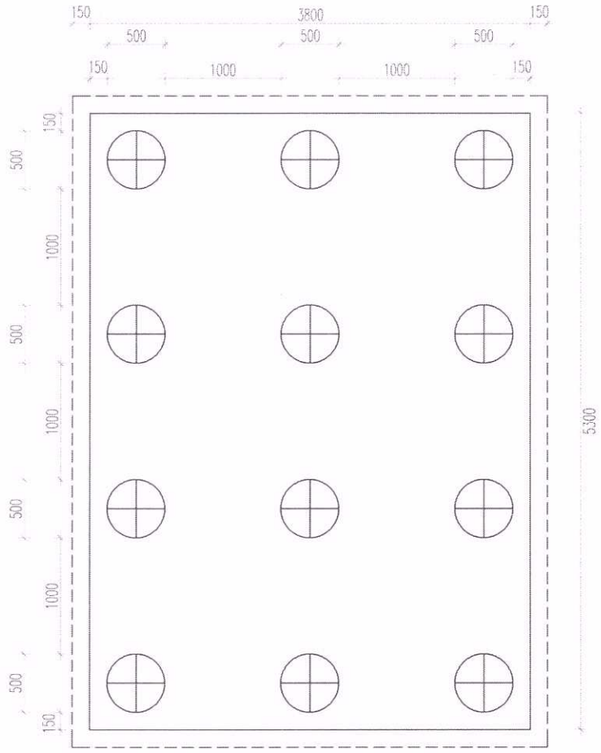

PC6




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 |

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

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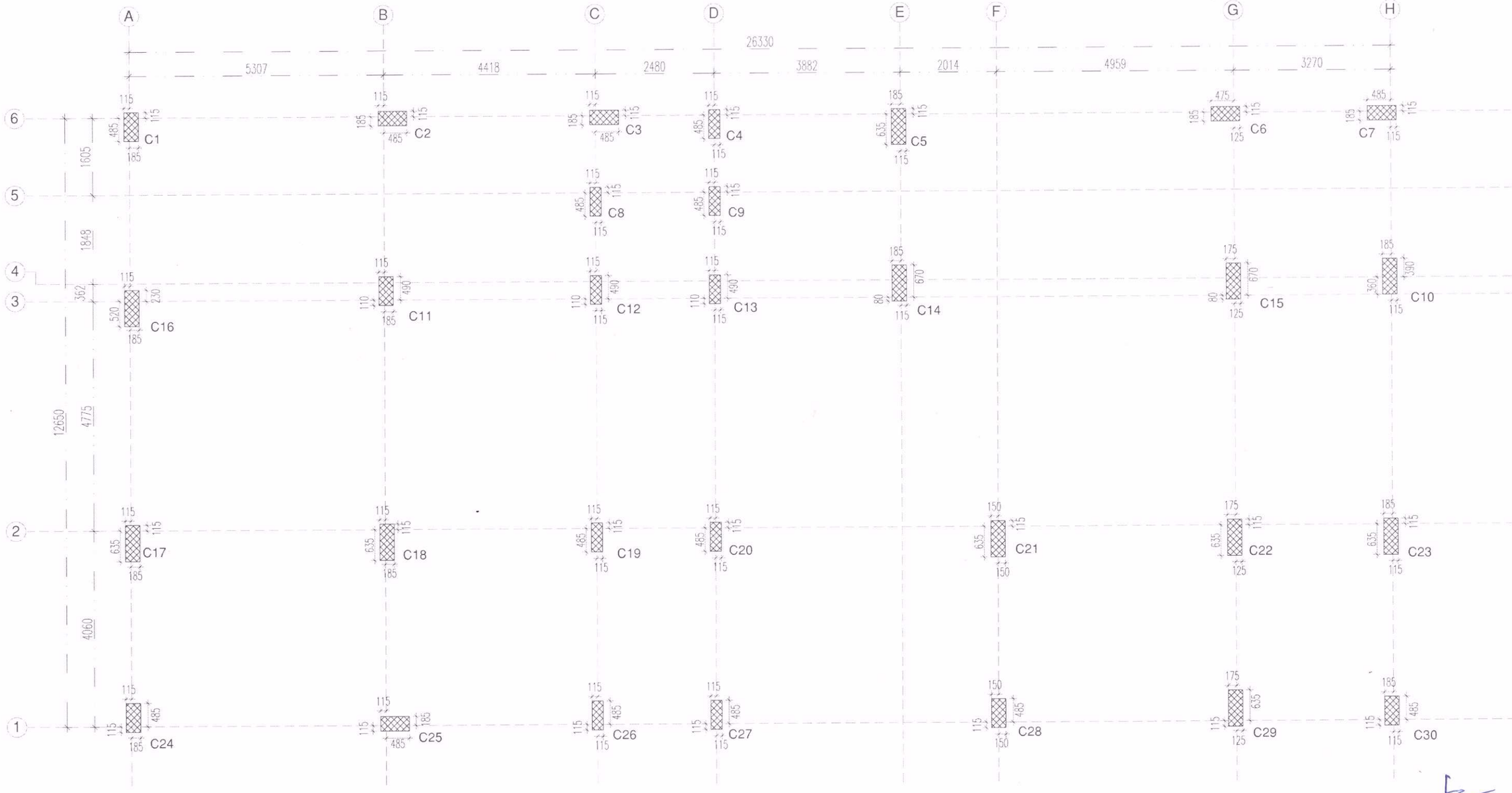
Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

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

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

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STRUCTURAL ENGINEER:




## COLUMN LAYOUT UPTO GROUND FLOOR ROOF


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| 00 | 15-05-2025 | GOOD FOR CONSTRUCTION | LOGA | LOGA |
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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

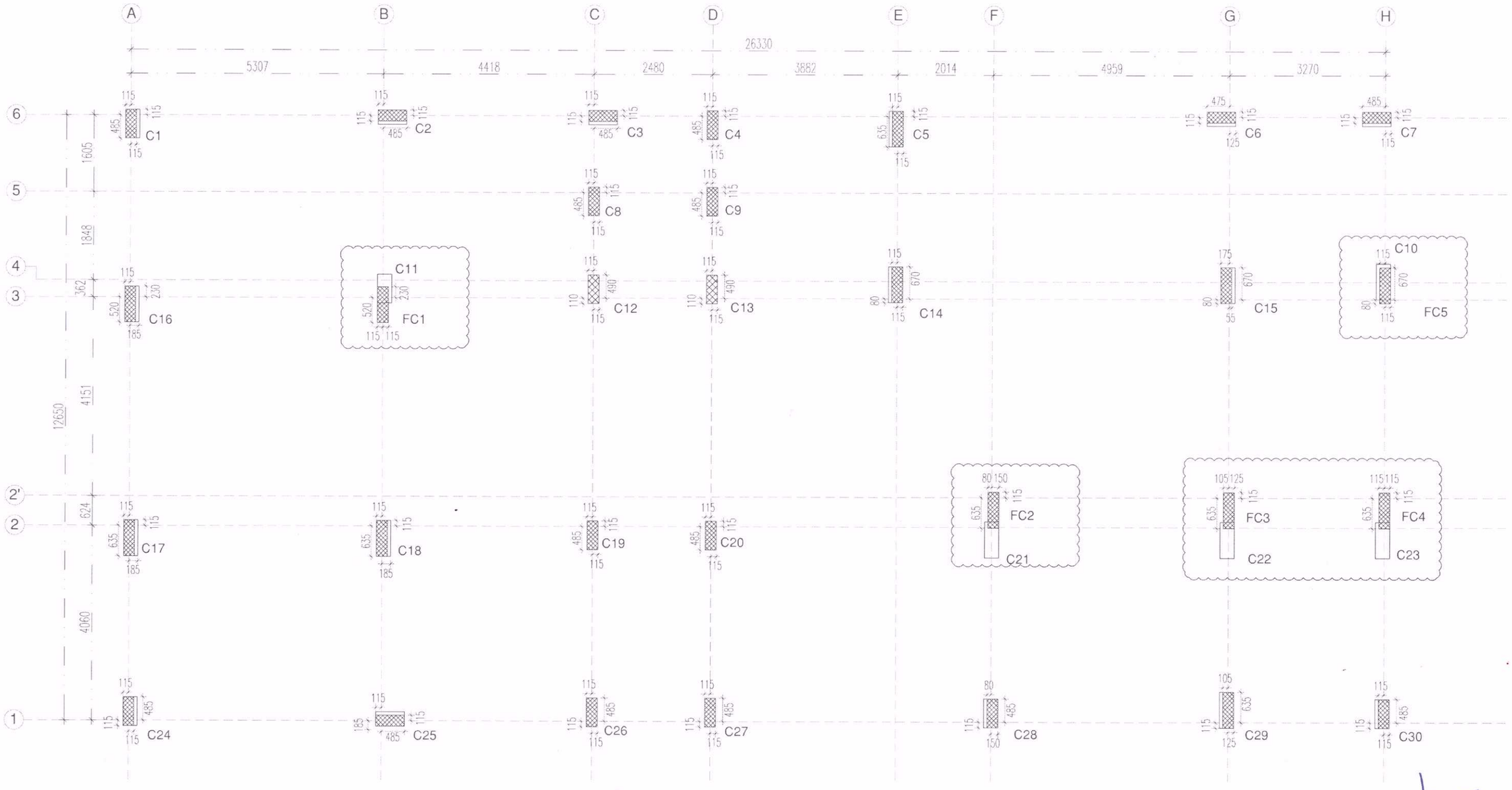
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| Designed K.LOGANATHAN | Date 15-05-2025 |
| Drawn K.LOGANATHAN | Sheet Size A3 |
| Checked/ Approved K.LOGANATHAN | Scale 1:100 |

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

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9. Seismic Considered in Design

| REVISIONS | | | | |
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| 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
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9. Seismic Considered in Design

| REVISIONS | | | | |
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| 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 SCHEDULE (01 OF 05)

**Drawing Number** PB/STR -006 00

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

# COLUMN SCHEDULE

All columns: M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150

| Level | C9 | C10 | C11 | C12, C13 | C14, C15 | C16 | C17 |
|---|---|---|---|---|---|---|---|
| HEAD ROOM ROOF TO FIFTH FLOOR ROOF | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊙T16 ○T12; 8-T16 + 2-T12 | | | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊙T16 ○T12; 4-T16 + 6-T12 | | | |
| FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊙T16 ○T12; 8-T16 + 2-T12 | | | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊙T16 ○T12; 4-T16 + 6-T12 | 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; ⊖T20 ⊙T16; 8-T20 + 6-T16 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 750; ⊖T20 ⊙T16; 12-T20 + 2-T16 |
| FOURTH FLOOR ROOF TO THIRD FLOOR ROOF | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊖T20 ⊙T16; 8-T20 + 2-T16 | | | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊙T16 ○T12; 4-T16 + 6-T12 | 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; ⊖T20; 14-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 750; ⊖T20 ⊙T16; 12-T20 + 2-T16 |
| THIRD FLOOR ROOF TO SECOND FLOOR ROOF | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊖T20; 10-T20 | | | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊙T16 ○T12; 4-T16 + 6-T12 | 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; 8-T25 + 6-T20 |
| SECOND FLOOR ROOF TO FIRST FLOOR ROOF | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊗T25 ⊖T20; 4-T25 + 6-T20 | | | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊖T20 ⊙T16; 4-T20 + 6-T16 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 750; ⊗T25; 14-T25 | 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; 12-T25 + 2-T20 |
| FIRST FLOOR ROOF TO GROUND FLOOR ROOF | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊗T25 ⊖T20; 4-T25 + 6-T20 | | | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊖T20 ⊙T16; 8-T20 + 2-T16 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 750; ⊗T25; 14-T25 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 750; ⊗T25; 14-T25 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 750; ⊗T25; 14-T25 |
| GROUND FLOOR ROOF TO N.G.L | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊗T25 ⊖T20; 4-T25 + 6-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25 ⊖T20; 8-T25 + 8-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 600; ⊖T20; 12-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊖T20 ⊙T16; 8-T20 + 2-T16 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25; 16-T25 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25 ⊖T20; 14-T25 + 2-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25 ⊖T20; 14-T25 + 2-T20 |
| N.G.L TO PILECAP BOTTOM | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊗T25 ⊖T20; 4-T25 + 6-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25 ⊖T20; 8-T25 + 8-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 600; ⊖T20; 12-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 230 x 600; ⊖T20 ⊙T16; 8-T20 + 2-T16 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25; 16-T25 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25 ⊖T20; 14-T25 + 2-T20 | M25 : Fe550 , COVER = 40MM; LINKS T8 @ 150; 300 x 750; ⊗T25 ⊖T20; 14-T25 + 2-T20 |
| COLUMN MARKED | C9 | C10 | C11 | C12, C13 | C14, C15 | C16 | C17 |

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'-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 (02 OF 05)
Drawing Number: PB/STR -006 — Rev 00

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# COLUMN SCHEDULE

| COLUMN MARKED | C18 | C19 | C20 | C21 | C22 | C23 | C24 |
|---|---|---|---|---|---|---|---|
| HEAD ROOM ROOF TO FIFTH FLOOR ROOF | | M25 : Fe550 , COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>ΦT20 ⊙T16<br>4-T20 + 6-T16 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊙T16<br>10-T16 | | | | |
| FIFTH FLOOR ROOF TO FOURTH FLOOR ROOF | M25 : Fe550 , COVER = 40MM<br>LINKS T8 @ 150<br>230 / 750<br>⊙T16 OT12<br>4-T16 + 10-T12 | M25 . Fe550 , COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>ΦT20 ⊙T16<br>4-T20 + 6-T16 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊙T16<br>10-T16 | | | | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>ΦT20 ⊙T16<br>4-T20 + 6-T16 |
| FOURTH FLOOR ROOF TO THIRD FLOOR ROOF | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 750<br>⊙T16 OT12<br>4-T16 + 10-T12 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>ΦT20 ⊙T16<br>4-T20 + 6-T16 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>ΦT20 ⊙T16<br>4-T20 + 6-T16 | | | | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25 ΦT20<br>4-T25 + 6-T20 |
| THIRD FLOOR ROOF TO SECOND FLOOR ROOF | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 750<br>ΦT20 ⊙T16<br>4-T20 + 10-T16 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25 ΦT20<br>4-T25 + 6-T20 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>ΦT20 ⊙T16<br>8-T20 + 2-T16 | | | | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25 ΦT20<br>4-T25 + 6-T20 |
| SECOND FLOOR ROOF TO FIRST FLOOR ROOF | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 750<br>ΦT20 ⊙T16<br>8-T20 + 6-T16 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25 ΦT20<br>8-T25 + 2-T20 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | | | | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25 ΦT20<br>6-T25 + 4-T20 |
| FIRST FLOOR ROOF TO GROUND FLOOR ROOF | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 750<br>⊗T25 ΦT20<br>12-T25 + 2-T20 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | | | | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25 ΦT20<br>10-T25 |
| GROUND FLOOR ROOF TO N.G.L | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>⊗T25 ΦT20<br>12-T25 + 4-T20 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>⊗T25 ΦT20<br>14-T25 + 2-T20 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>ΦT20 ⊙T16<br>14-T20 + 2-T16 | M25 : Fe550 COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>ΦT20 ⊙T16<br>4-T20 + 12-T16 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 600<br>⊗T25<br>12-T25 |
| N.G.L TO PILECAP BOTTOM | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>⊗T25 ΦT20<br>12-T25 + 4-T20 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | M25 . Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>230 / 600<br>⊗T25<br>10-T25 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>⊗T25 ΦT20<br>14-T25 + 2-T20 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>ΦT20 ⊙T16<br>14-T20 + 2-T16 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 750<br>ΦT20 ⊙T16<br>4-T20 + 12-T16 | M25 : Fe550 . COVER = 40MM<br>LINKS T8 @ 150<br>300 / 600<br>⊗T25<br>12-T25 |

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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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

| 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 (03 OF 05)

**Drawing Number**: PB/STR -006

Rev: 00

STRUCTURAL ENGINEER:

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Mobile: +91 94454 50525

COLUMN SCHEDULE

# COLUMN SCHEDULE

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

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

Drawing Title: COLUMN SCHEDULE (04 OF 05)
Drawing Number: PB/STR -006
Rev 00

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Mobile: +91 94454 50525

COLUMN SCHEDULE

# COLUMN SCHEDULE

| COLUMN MARKED | 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 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.
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

| 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 |

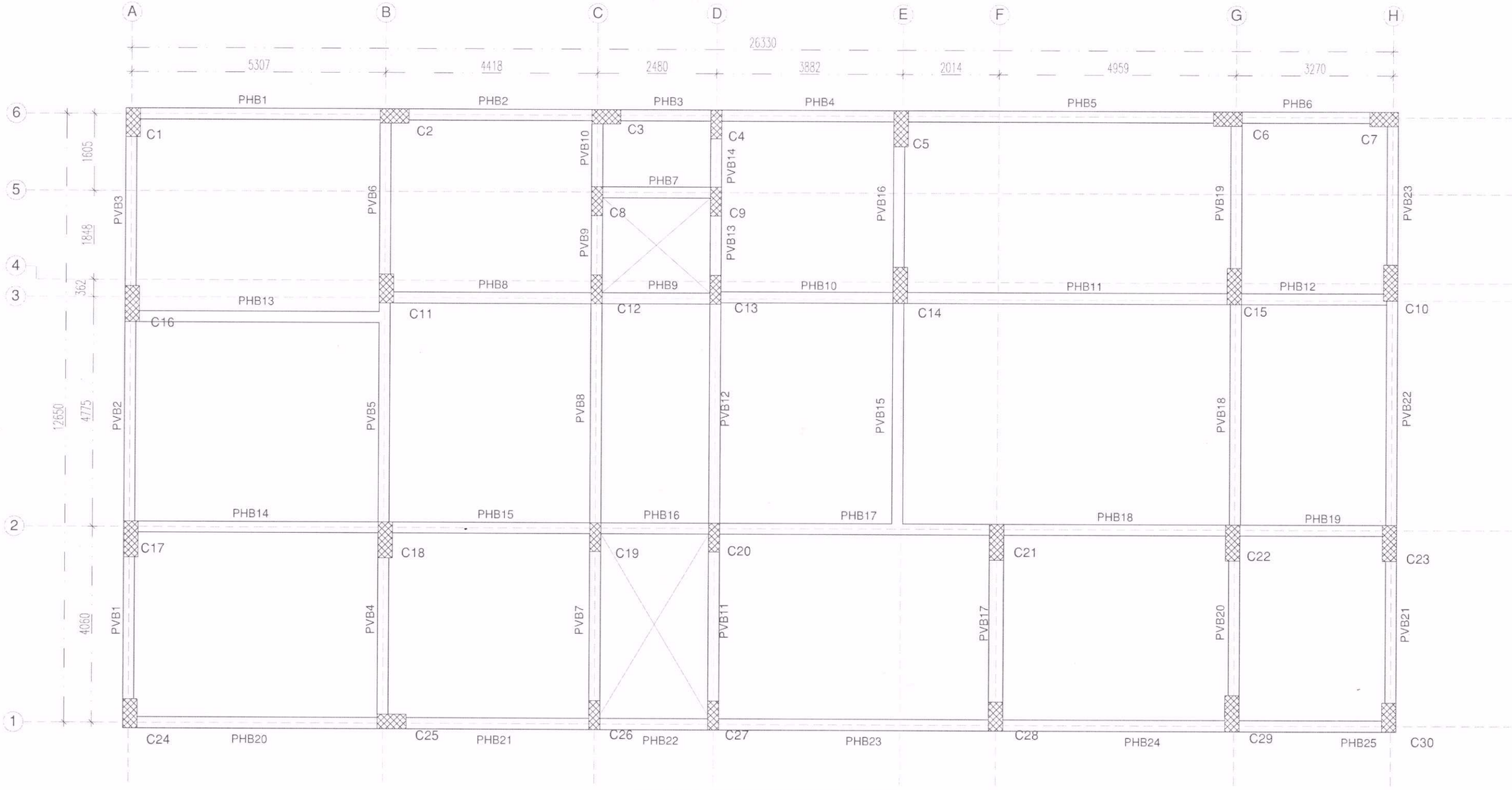
Drawing Title: COLUMN SCHEDULE (05 OF 05)

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




## PLINTH BEAM FRAMING PLAN

Notes:

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


K. LOGANATHAN, M.E.,
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Mobile : +91 94454 50525
STRUCTURAL ENGINEER.


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 = 25 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 | | | | |
|---|---|---|---|---|
| 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.

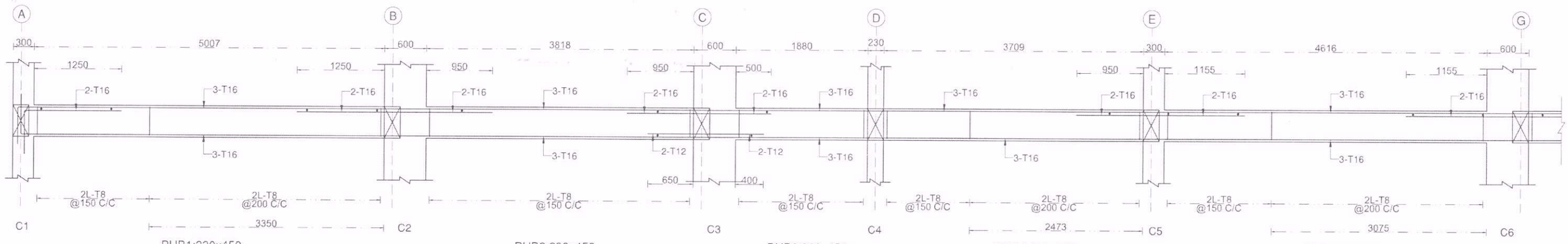
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| Checked/ Approved: K.LOGANATHAN | Scale: 1:100 |

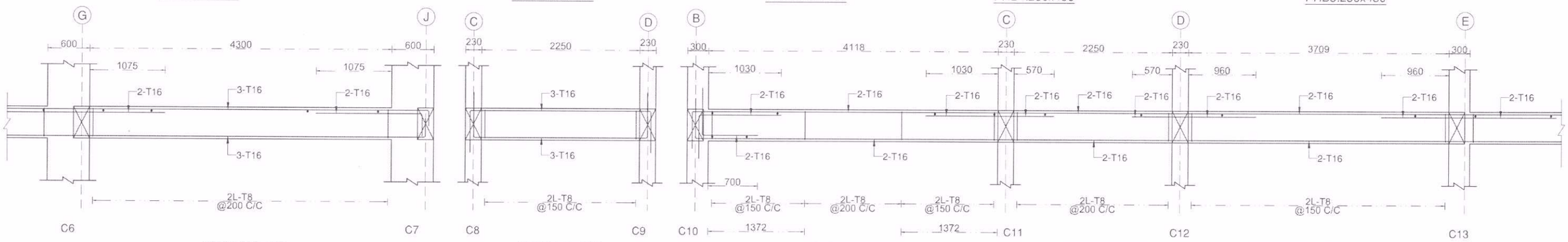
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Drawing Number: PB/STR -007 Rev: 00

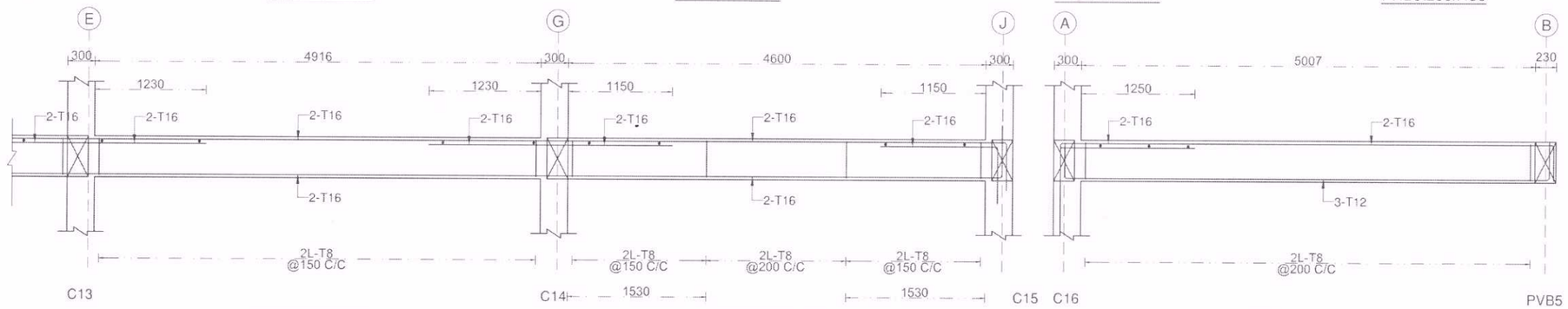

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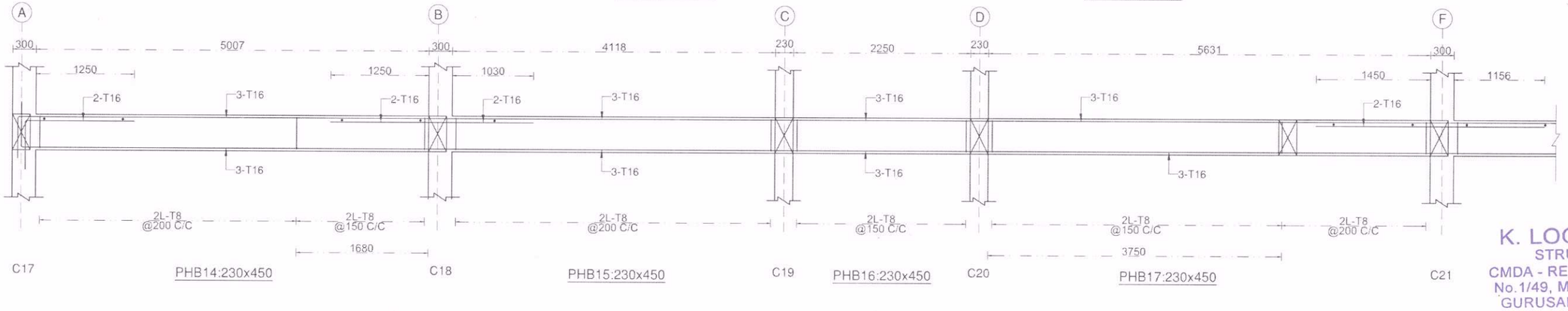

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PHB6:230x450 PHB7:230x450 PHB8:230x450 PHB9:230x450 PHB10:230x450




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




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

K. LOGANATHAN, M.E.,
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CMDA - REG. No: SE / GR-I / 19/12/226
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Mobile: +91 94864 50525
STRUCTURAL ENGINEER

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

N W E S

**Project**

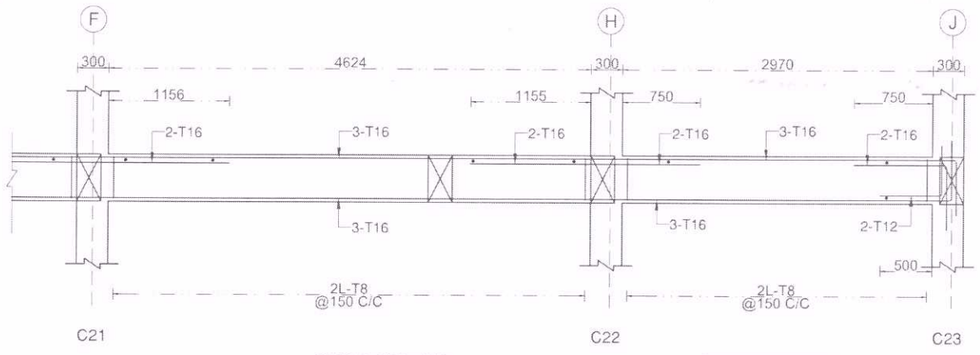
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| DRAWING DETAILS | | |
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| Designed: K.LOGANATHAN | Date: 15-05-2025 | |
| Drawn: K.LOGANATHAN | Sheet Size: A3 | |
| Checked/ Approved: K.LOGANATHAN | Scale: 1:100 | |

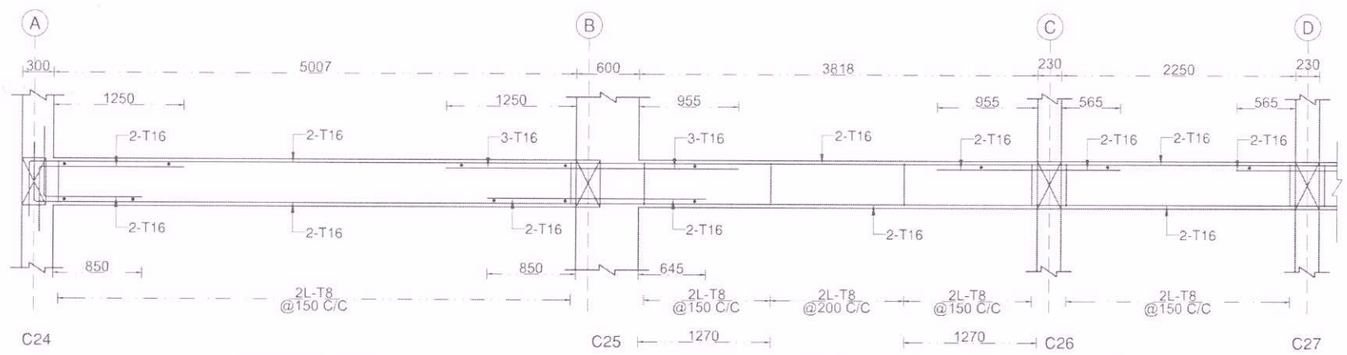
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**Drawing Number:** PB/STR -08 **Rev:** 00

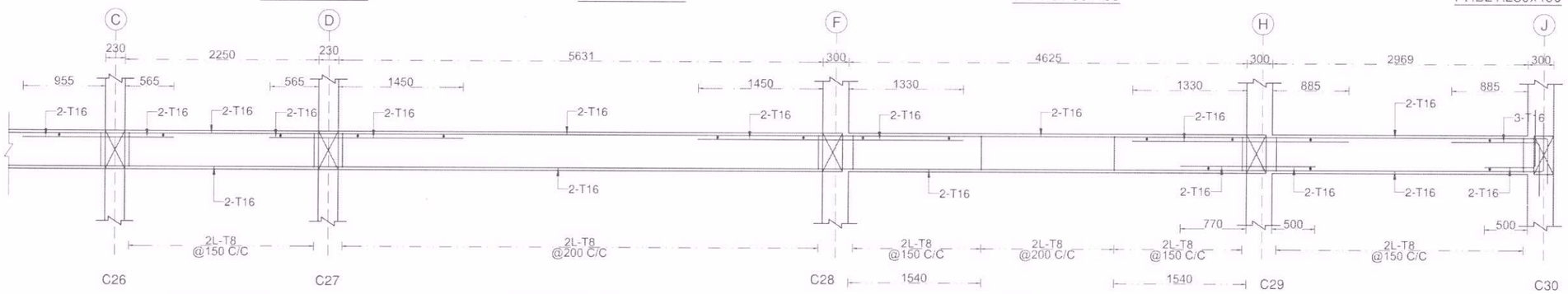
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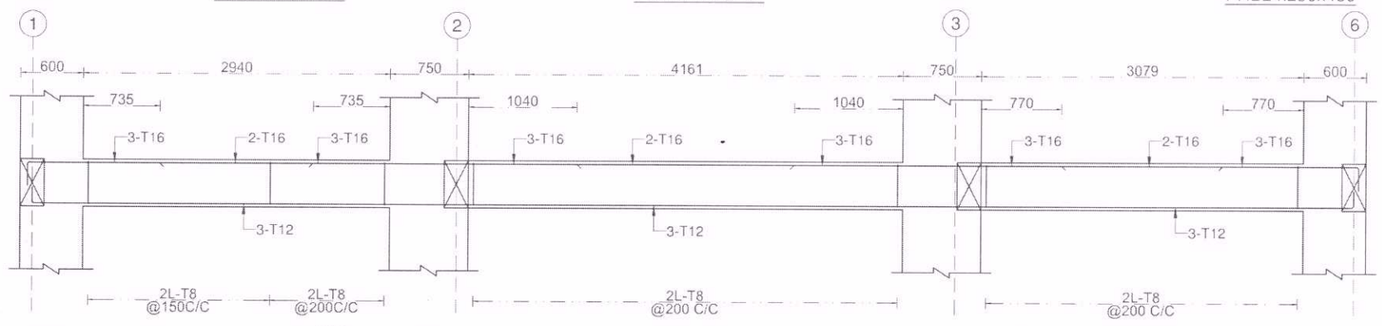

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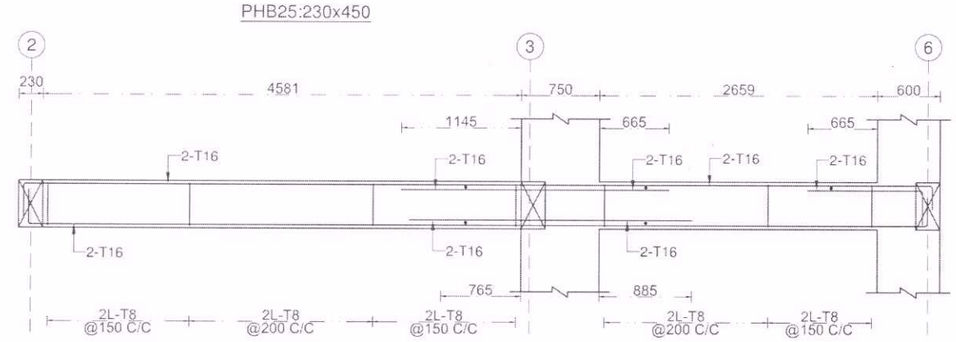

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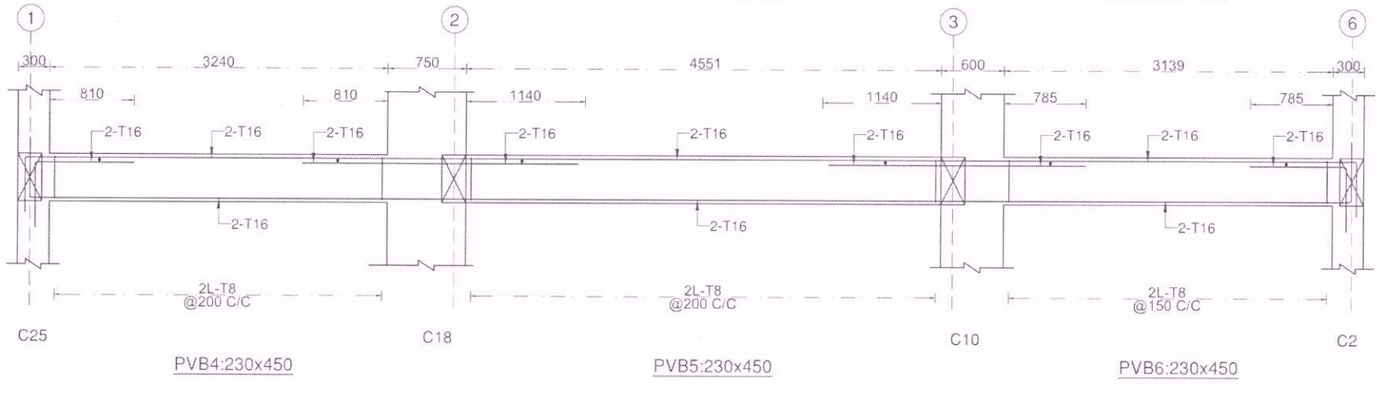

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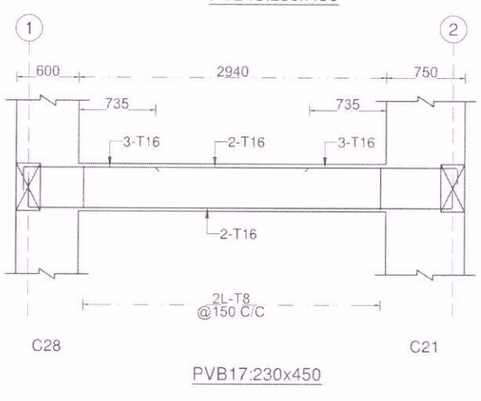

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PVB15:230x450 PVB16:230x450




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




PVB17:230x450

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
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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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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 | | | | |
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| 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

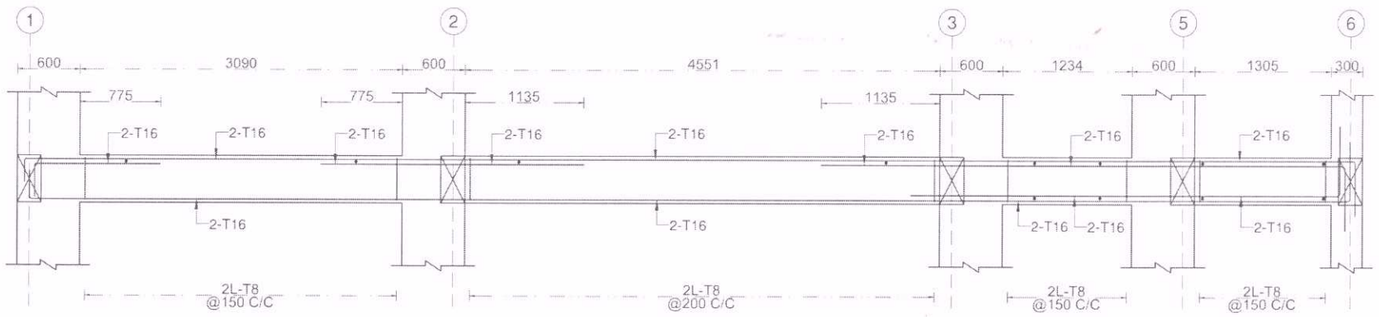
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| Checked/ Approved: K.LOGANATHAN | Scale: 1:100 |

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

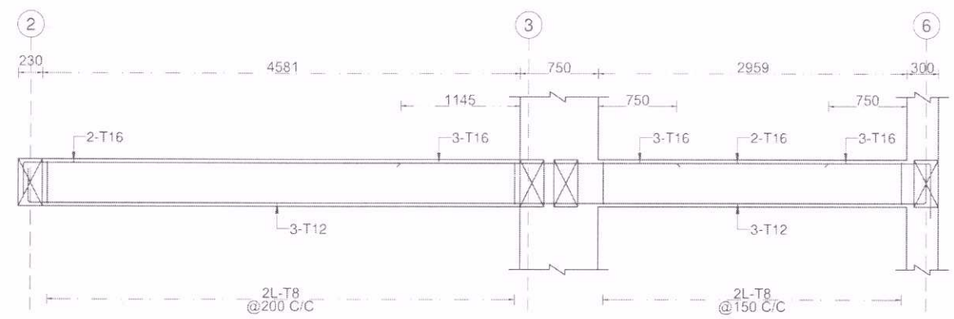
**Drawing Number** PB/STR -08 Rev 00

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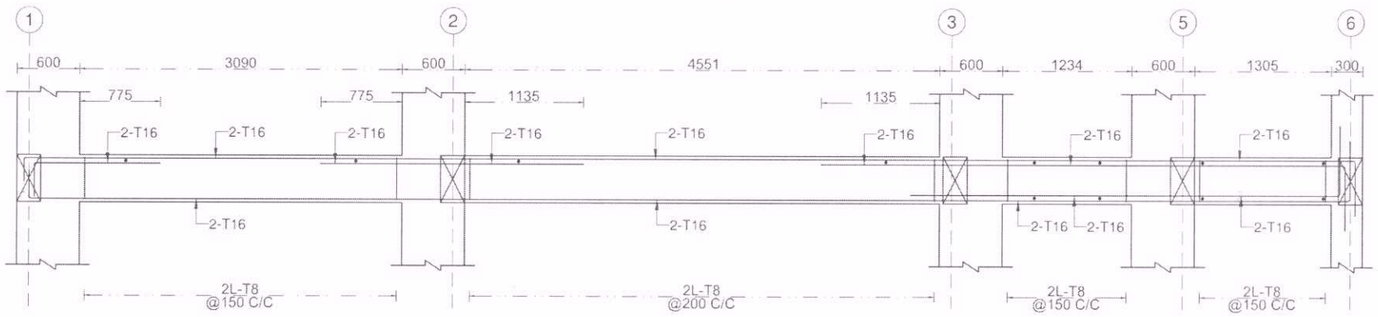
STRUCTURAL ENGINEER:



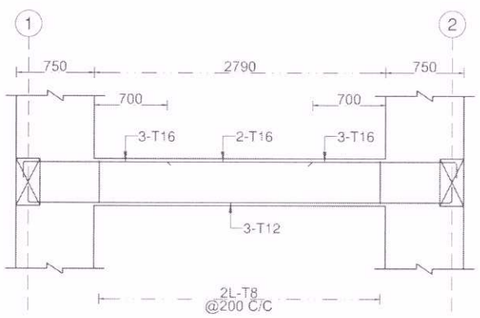

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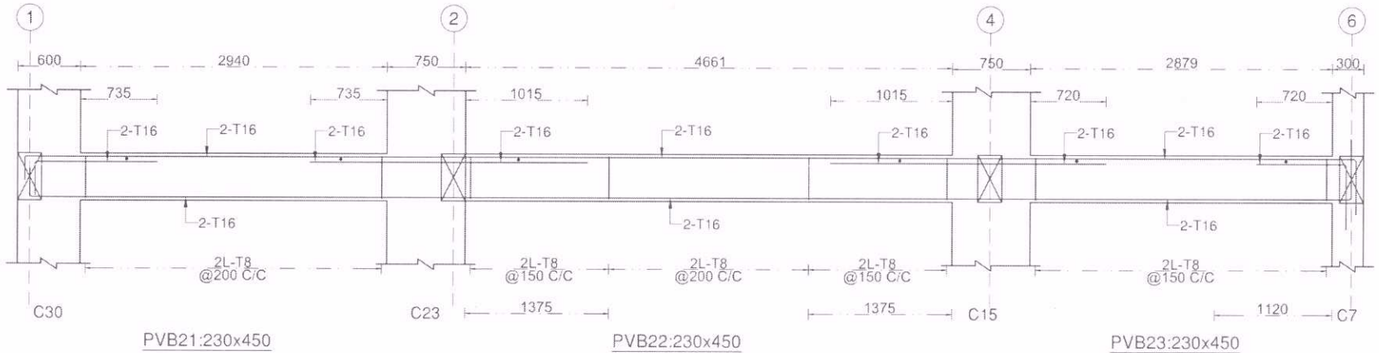

PVB18:230x450 PVB19:230x450




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




PVB20:230x450




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

K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
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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 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 | | | | |
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| 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

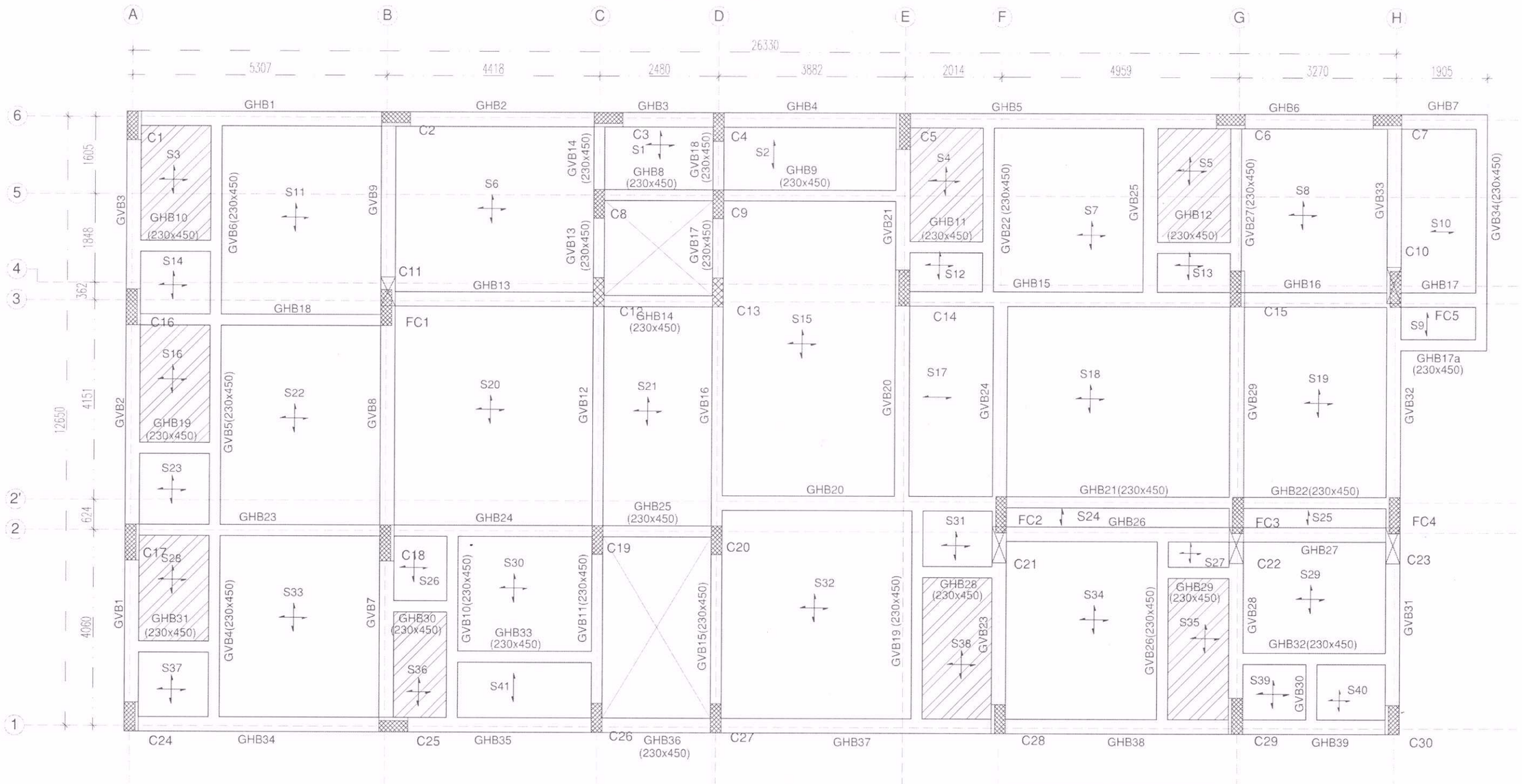
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| Designed K.LOGANATHAN | Date 15-05-2025 | |
| Drawn K.LOGANATHAN | Sheet Size A3 | |
| Checked/ Approved K.LOGANATHAN | Scale 1:100 | |

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


NOTES:

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

Project

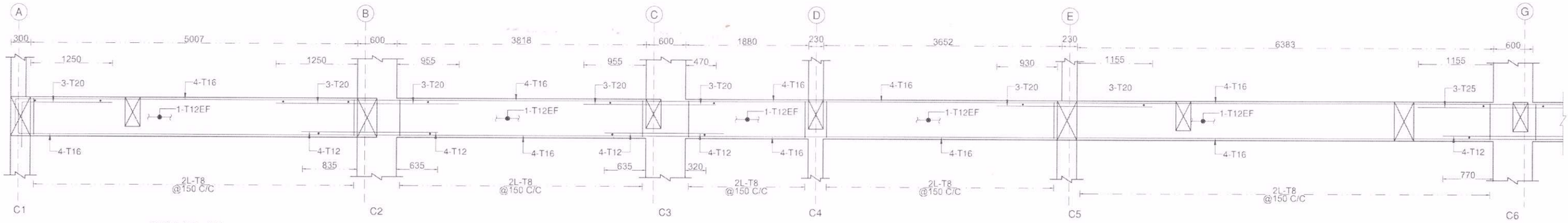
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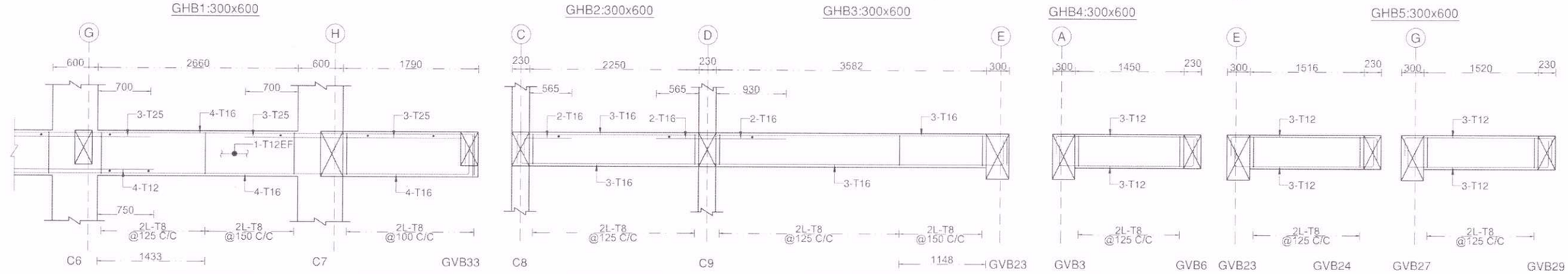
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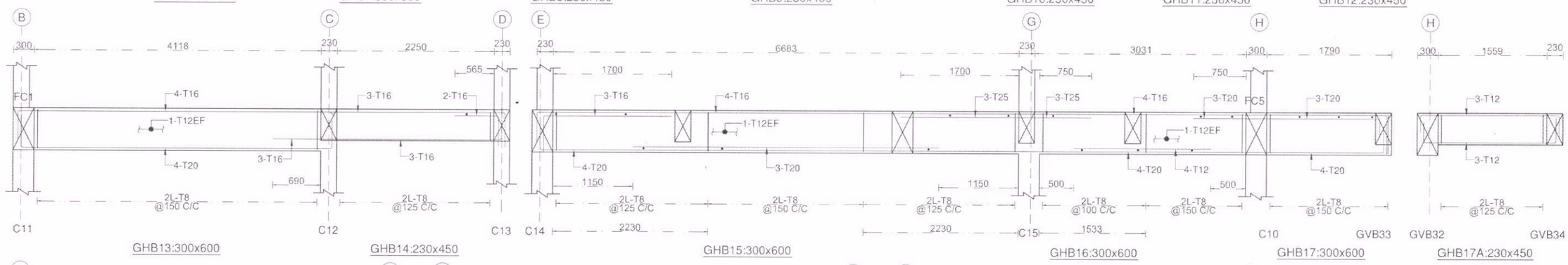
Drawing Title: GROUND FLOOR ROOF BEAM FRAMING PLAN

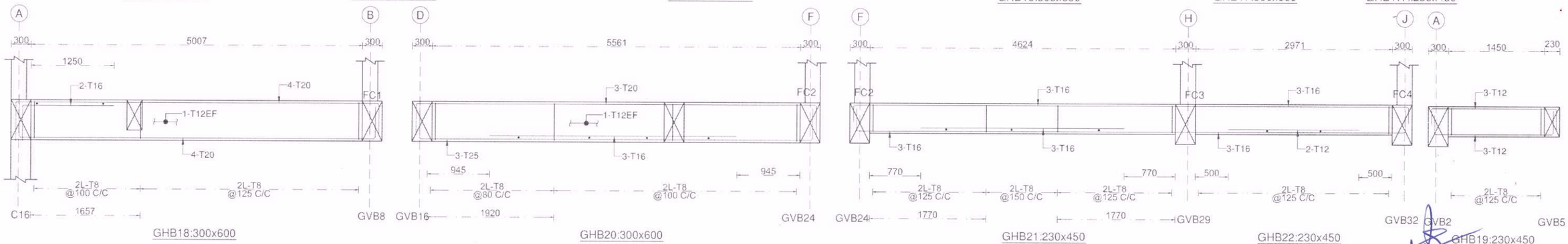
Drawing Number: PB/STR -009 Rev 00


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NOTES:

1. All Dimensions are in feet & inches.
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8. This structure is Designed ' STILT+5 '
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

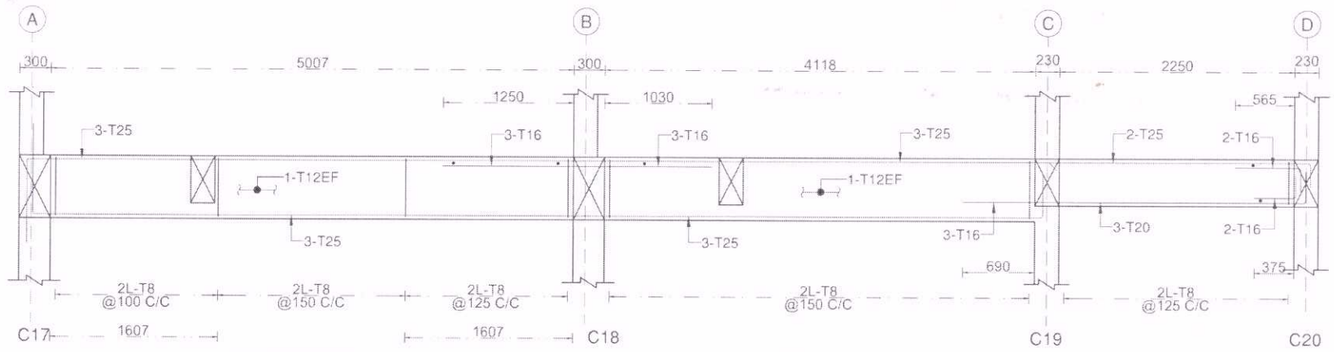
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| Designed: K.LOGANATHAN | Date: 30-07-2025 |
| Drawn: K.LOGANATHAN | Sheet Size: A3 |
| Checked/ Approved: K.LOGANATHAN | Scale: 1:100 |

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

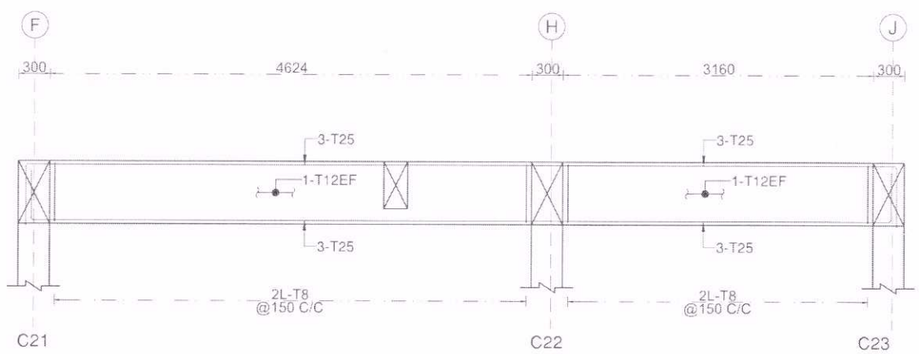
Drawing Number: PB/STR -010 Rev: 00

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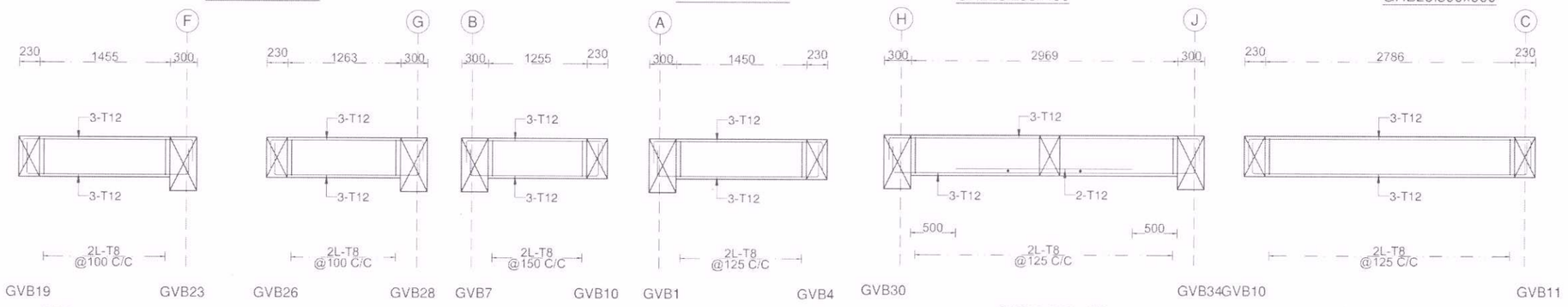
K. LOGANATHAN, M.E.,
STRUCTURAL ENGINEER
CMDA - REG. No: SE / GR-I / 19/12/226
STRUCTURAL ENGINEER
Old No. 1/49, MUNIYAPPAN KOIL STREET,
GURUSAMIPALAYAM, RASIPURAM,
NAMAKKAL - 637 403.
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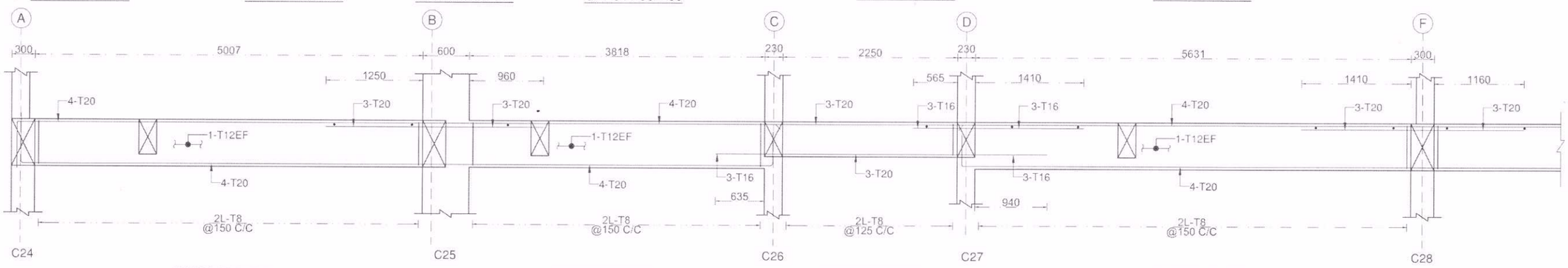

GHB23:300x600 GHB24:300x600 GHB25:230x450



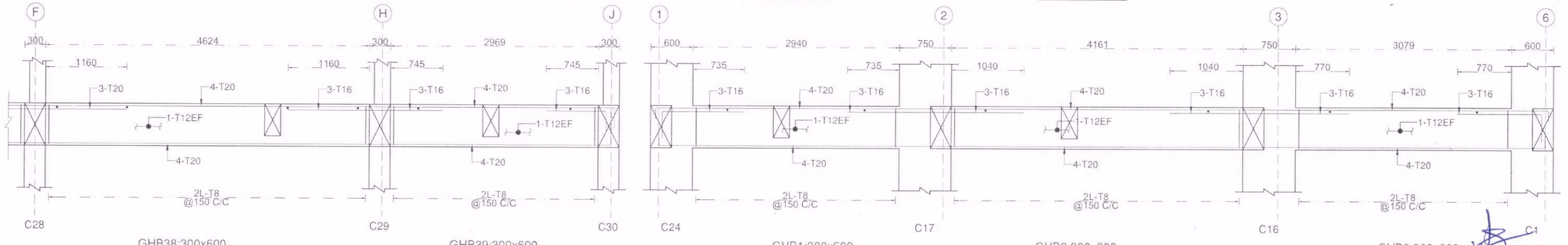

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GHB28:230x450 GHB29:230x450 GHB30:230x450 GHB31:230x450 GHB32:230x450 GHB33:230x450




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




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

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|---|---|---|---|---|
| | | | | |
| | | | | |
| 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

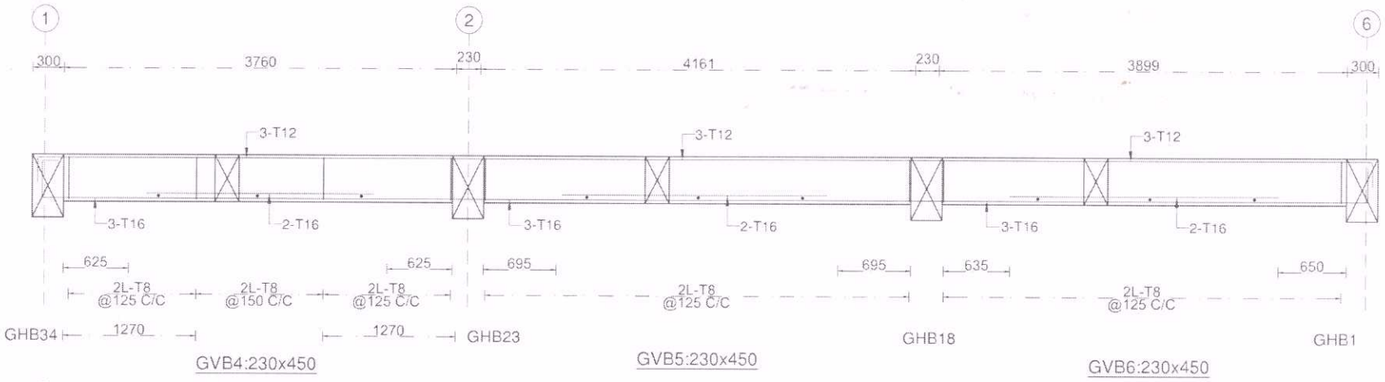
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| Drawn K.LOGANATHAN | Sheet Size A3 |
| Checked/ Approved K.LOGANATHAN | Scale 1:100 |

Drawing Title: GROUND FLOOR ROOF BEAM LAYOUT

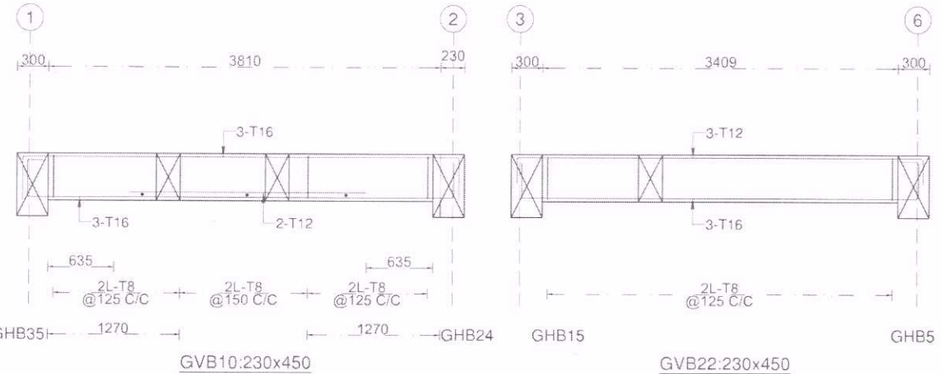
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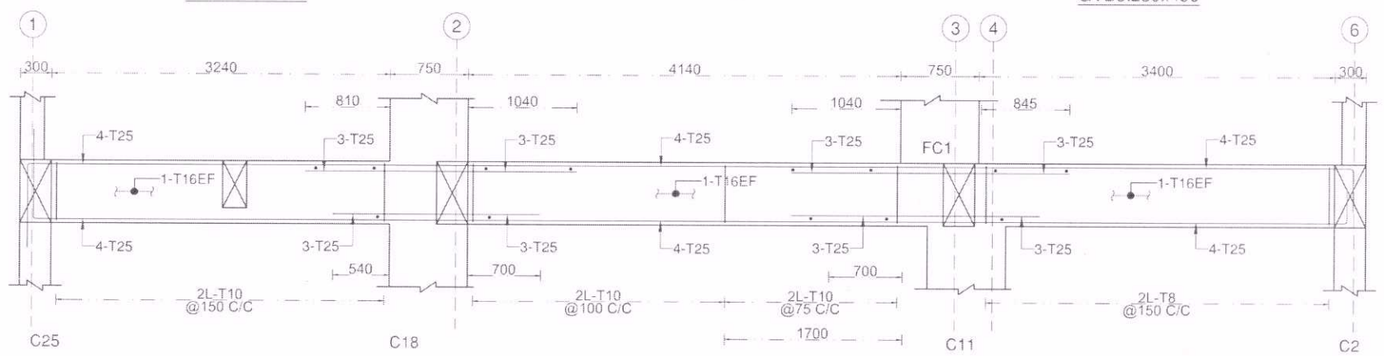
K. LOGANATHAN, M.E.,
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STRUCTURAL ENGINEER



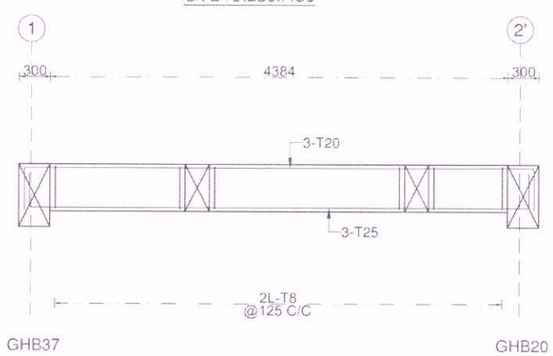

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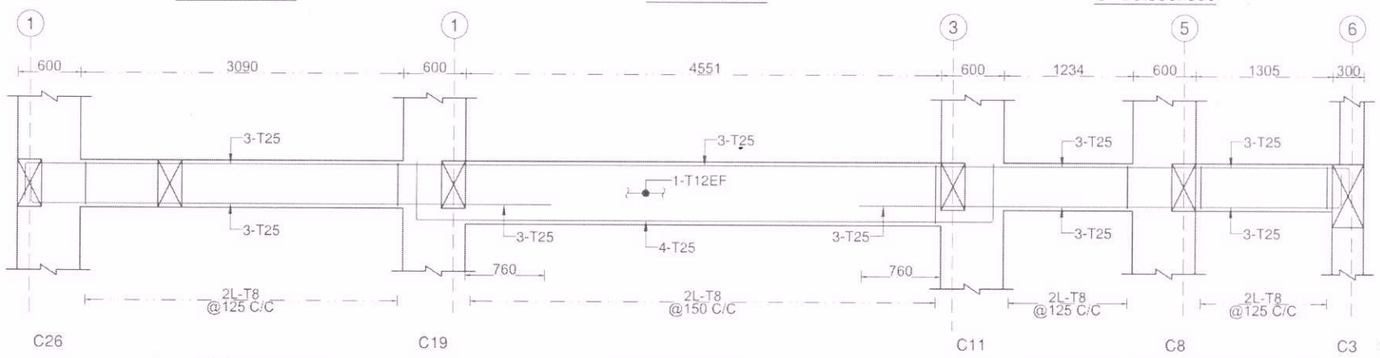

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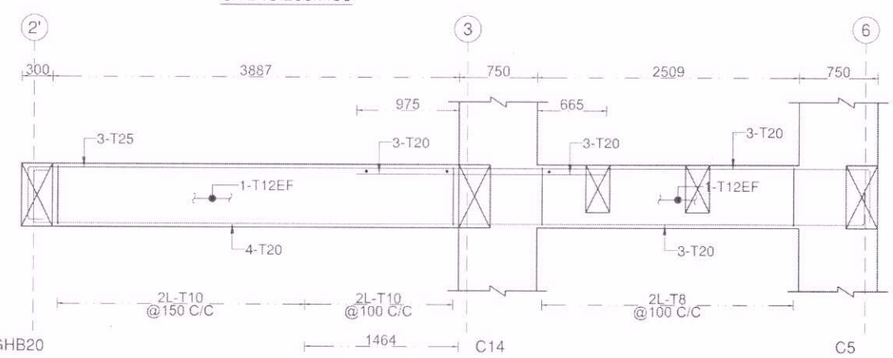

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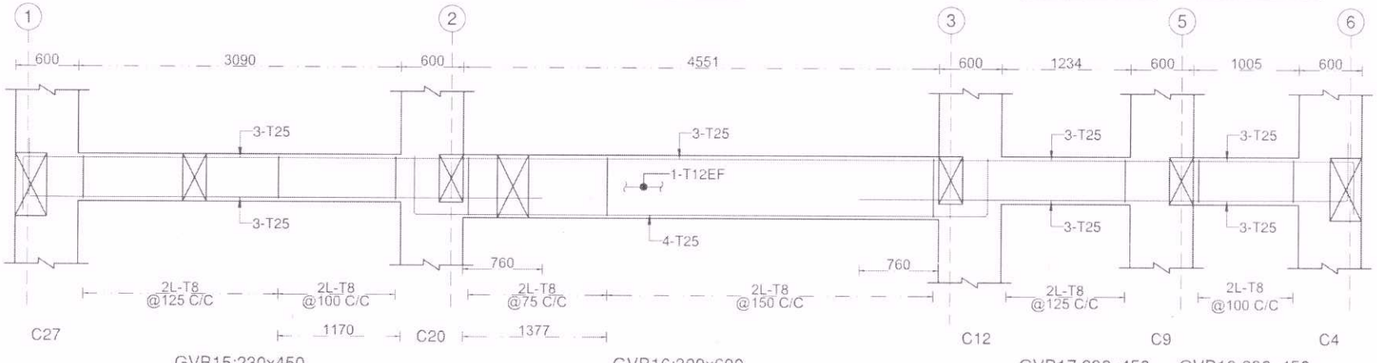

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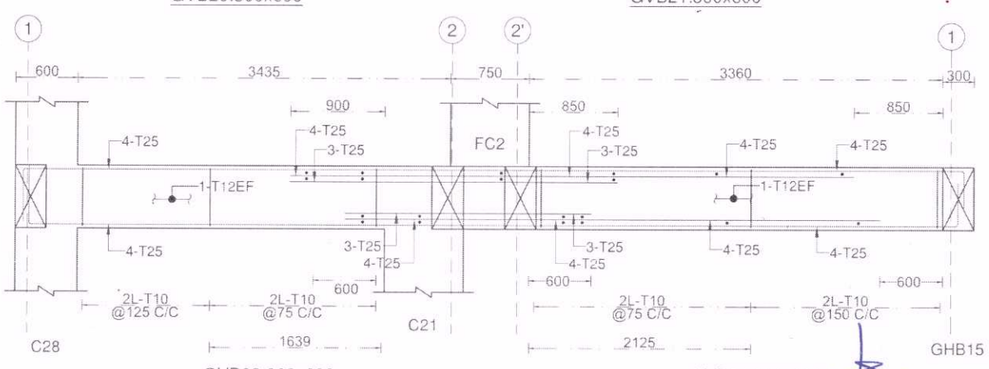

GVB11:230x450 GVB12:300x600 GVB13:230x450 GVB14:230x450




GVB20:300x600 GVB21:300x600




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




GVB23:300x600 GVB24:300x600

NOTES:

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

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.

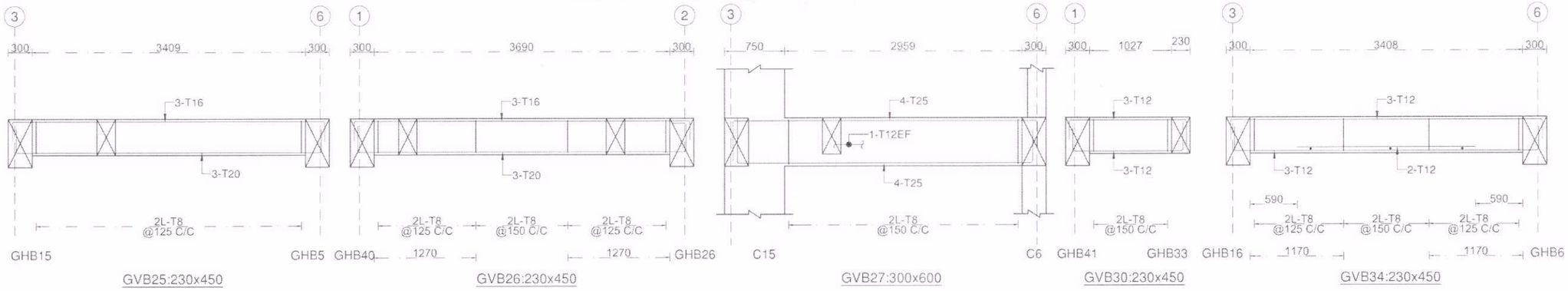
| DRAWING DETAILS | | |
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| Designed | K.LOGANATHAN | Date 30-07-2025 |
| Drawn | K.LOGANATHAN | Sheet Size A3 |
| Checked/ Approved | K.LOGANATHAN | Scale 1:100 |

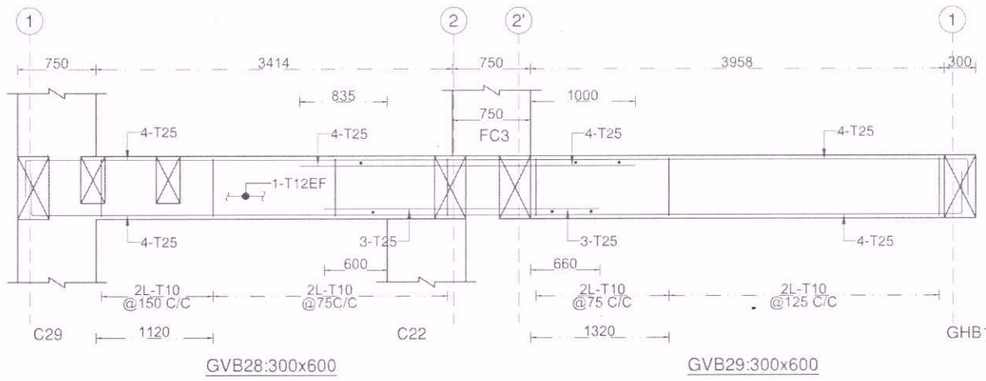
**Drawing Title** GROUND FLOOR ROOF BEAM LAYOUT

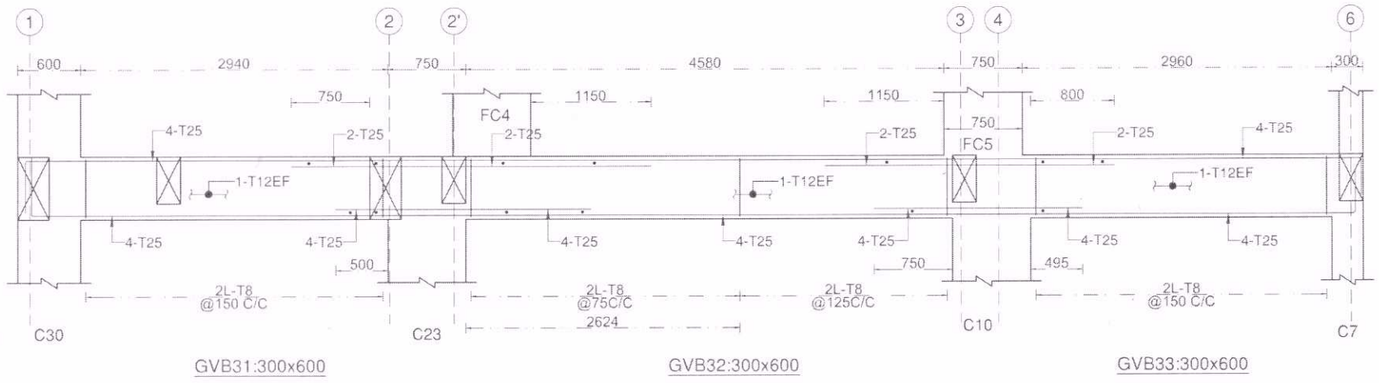
**Drawing Number** PB/STR -010 00

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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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7. Ensure a pile capacity of 110MT (Depth =22meter, Dia =1'-5") before going for actual piling.
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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.

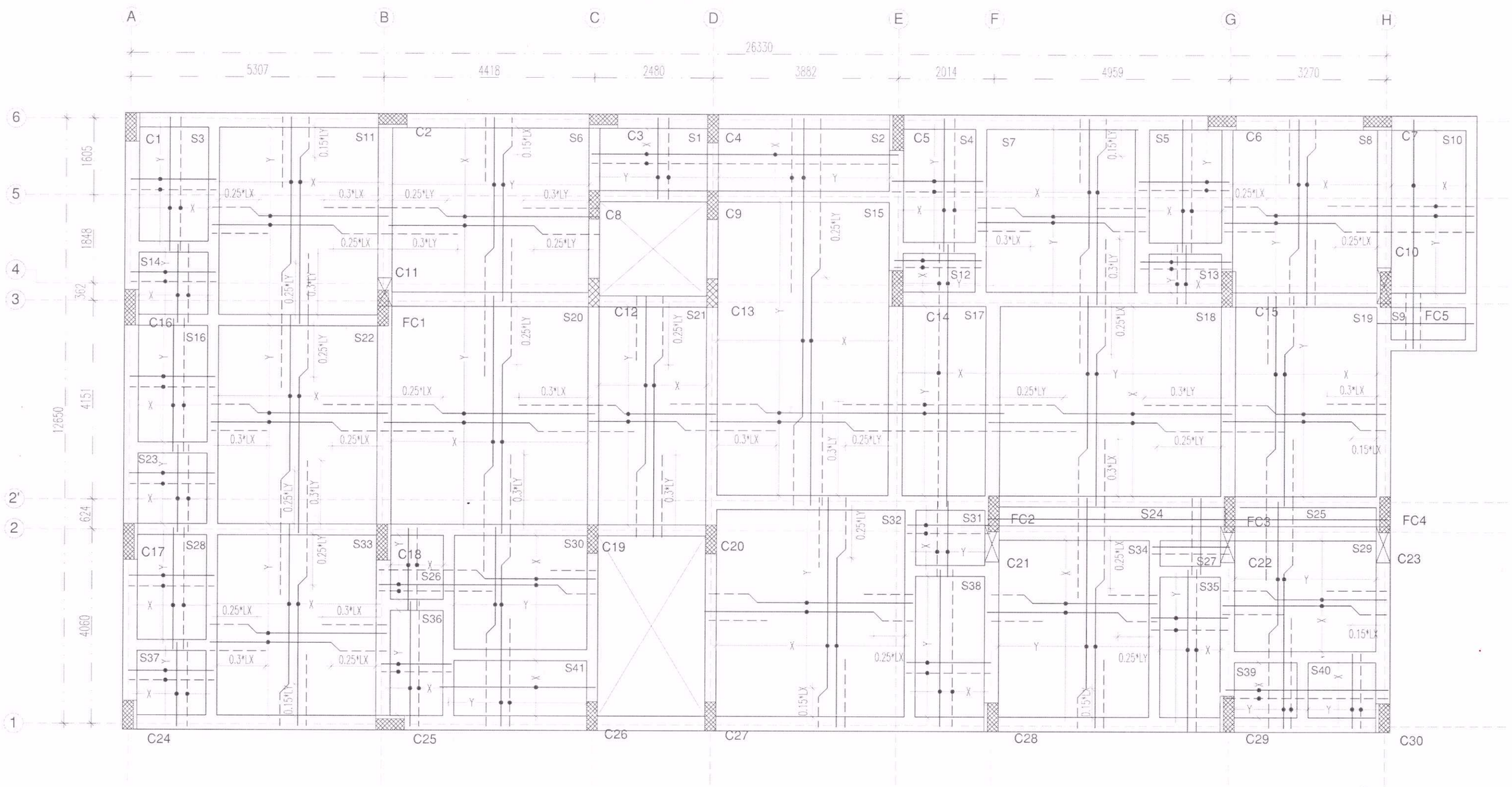
DRAWING DETAILS

| | |
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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 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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STRUCTURAL ENGINEER
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N W E S

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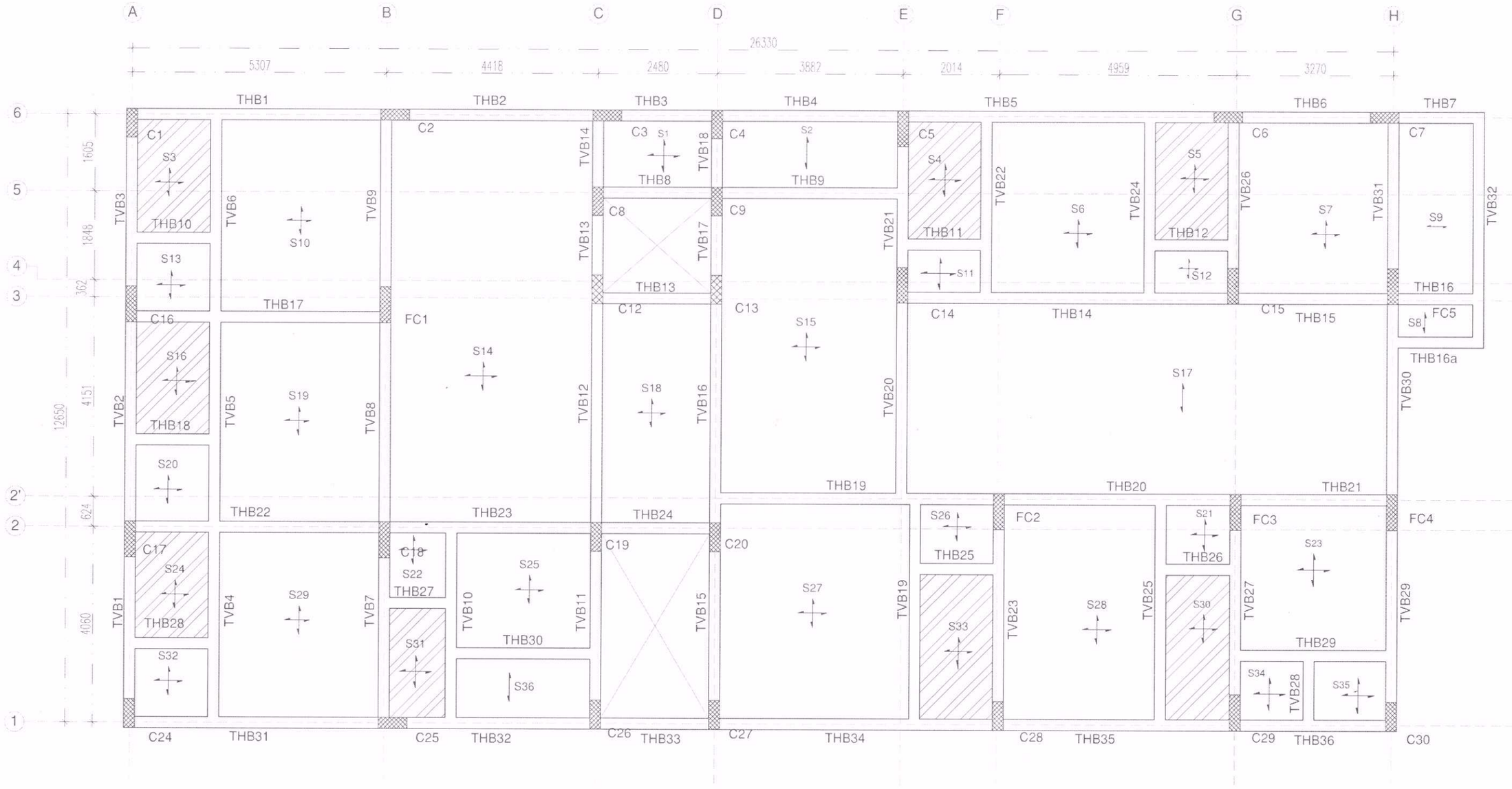
| DRAWING DETAILS | | |
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| Designed K.LOGANATHAN | Date | 30-07-2025 |
| Drawn K.LOGANATHAN | Sheet Size | A3 |
| Checked/ Approved K.LOGANATHAN | Scale | 1:100 |

**Drawing Title** GROUND FLOOR ROOF BEAM 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

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E-mail: logus588@gmail.com
Mobile: +91 94454 50525

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| 00 | 30-07-2025 | GOOD FOR CONSTRUCTION | LOGA | LOGA |

N W E S

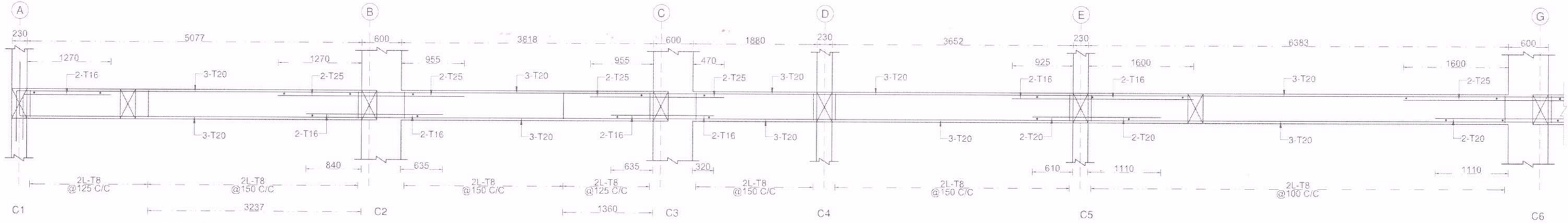
Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

DRAWING DETAILS

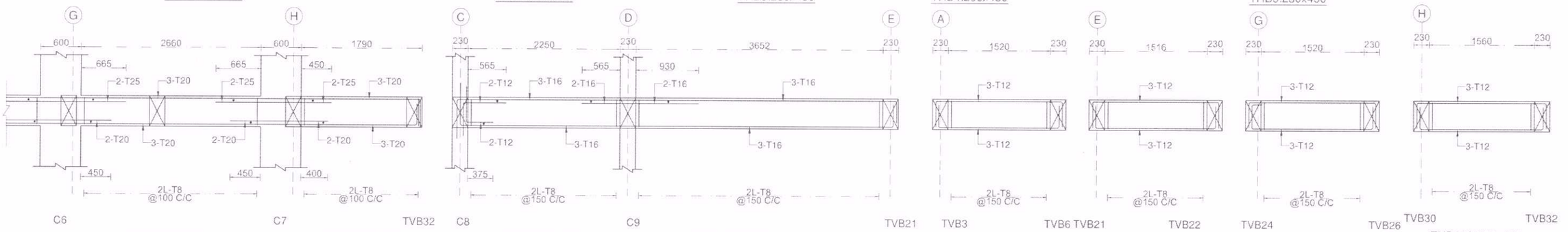
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| Designed | K.LOGANATHAN | Date 30-07-2025 |
| Drawn | K.LOGANATHAN | Sheet Size A3 |
| Checked/ Approved | K.LOGANATHAN | Scale 1:100 |

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

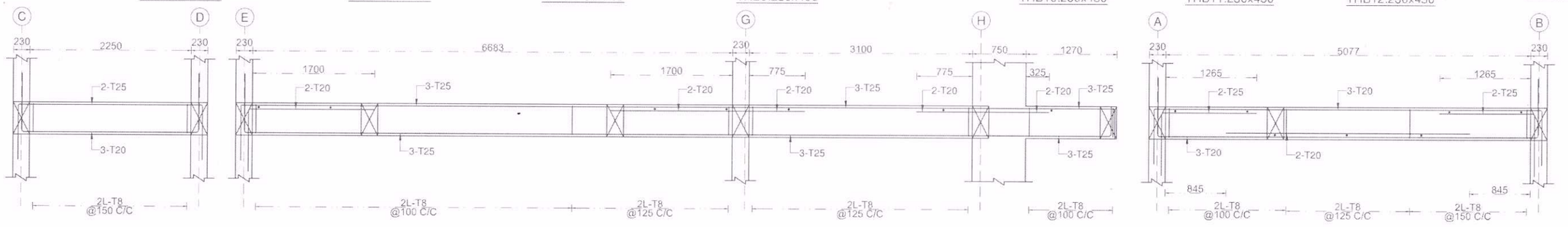
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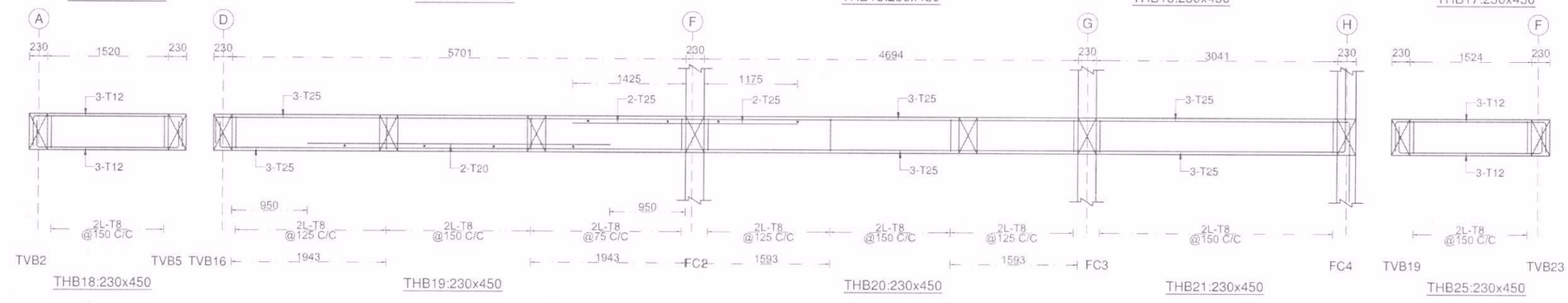

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THB6:230x450 THB7:230x450 THB8:230x450 THB9:230x450 THB10:230x450 THB11:230x450 THB12:230x450 THB16A:230x450




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




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

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UTHUKKAL - 637 403.
E.mail: logu8588@gmail.com
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| REVISIONS | | | | |
|---|---|---|---|---|
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| REV. | DATE | DESCRIPTION | CHKD | APP. |

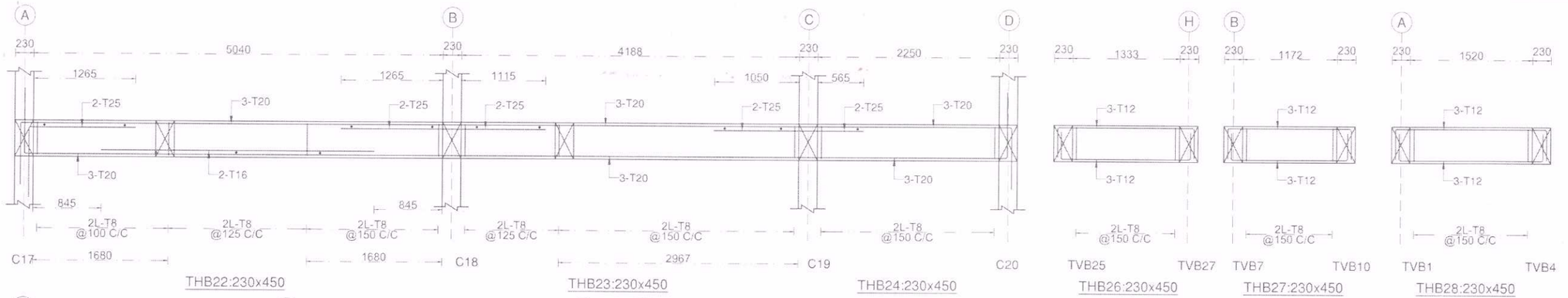
Project
PROPOSED CONSTRUCTION OF RESIDENTIAL BUILDING (S+05) AS COMPRISED IN OLD.NO. 173 & 171, NEW NO. 54/1 & 54, VINAI THEERTHA MUDALI STREET, VELLALA STREET, PURASAIWALKAM, CHENNAI -600084.

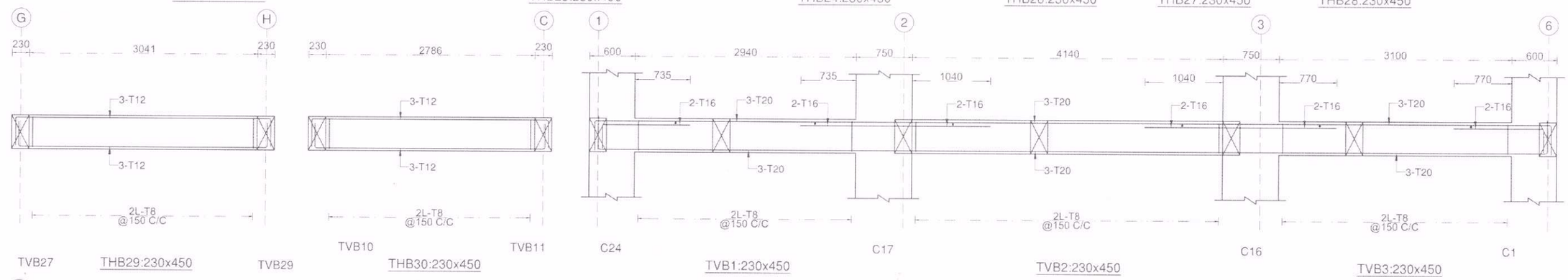
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| Checked/ Approved: K.LOGANATHAN | Scale: 1:100 | |

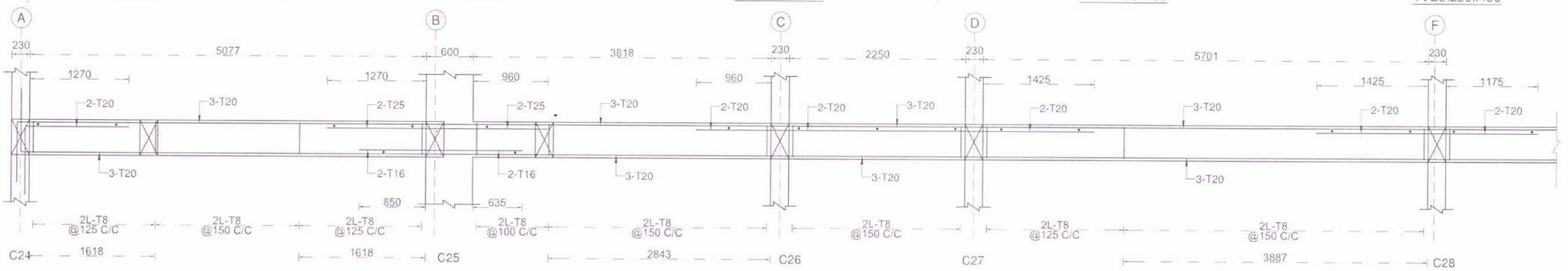
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Drawing Number: PB/STR -013 Rev 00

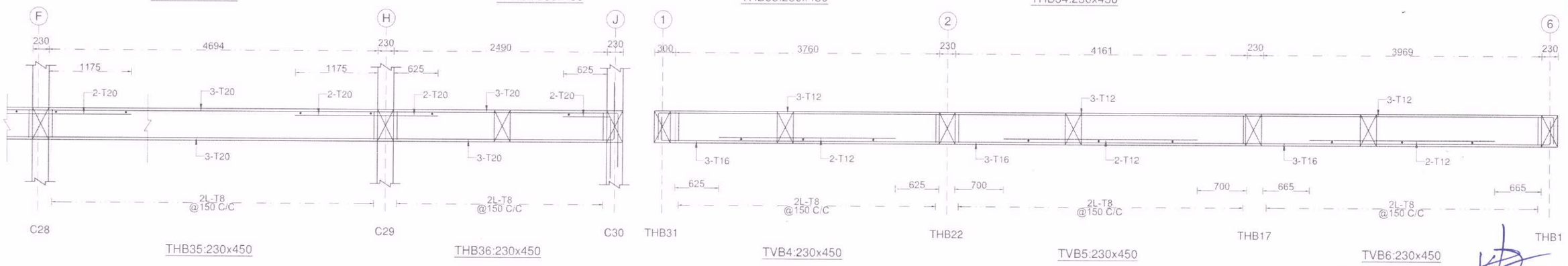
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STRUCTURAL ENGINEER




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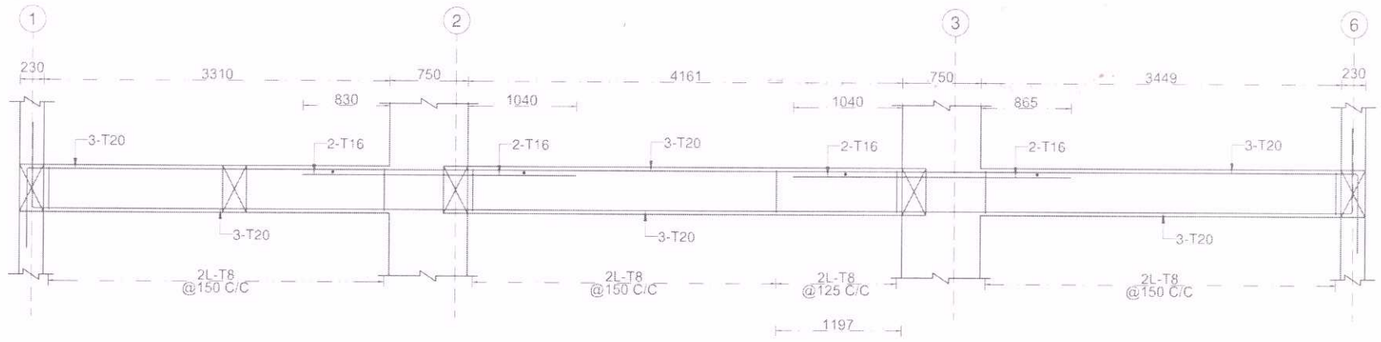
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**Drawing Title**
TYPICAL FLOOR ROOF BEAM L.S (2 OF 6)

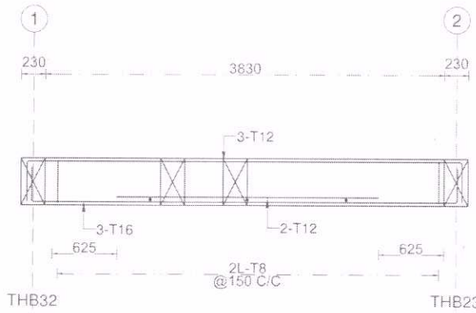
**Drawing Number**
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NAMAKKAL - 637 403.
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Mobile: +91 94454 50525

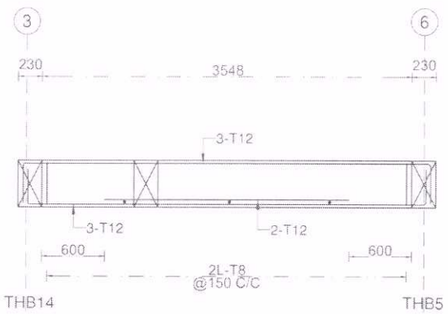



C25 TVB7:230x450 C18 TVB8:230x450 FC1 TVB9:230x450 C2



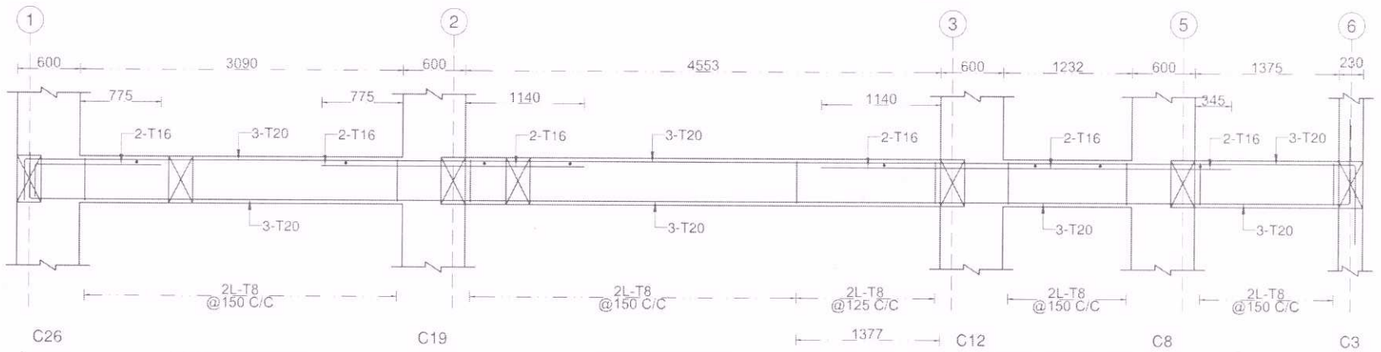

THB32 THB23

TVB10:230x450



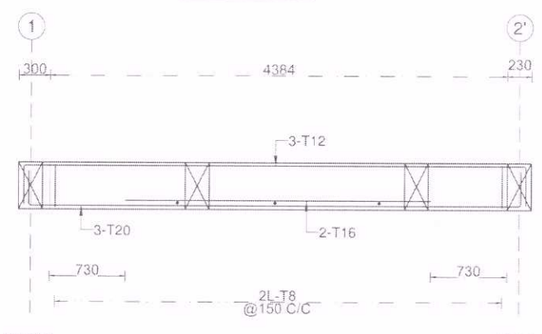

THB14 THB5

TVB22:230x450



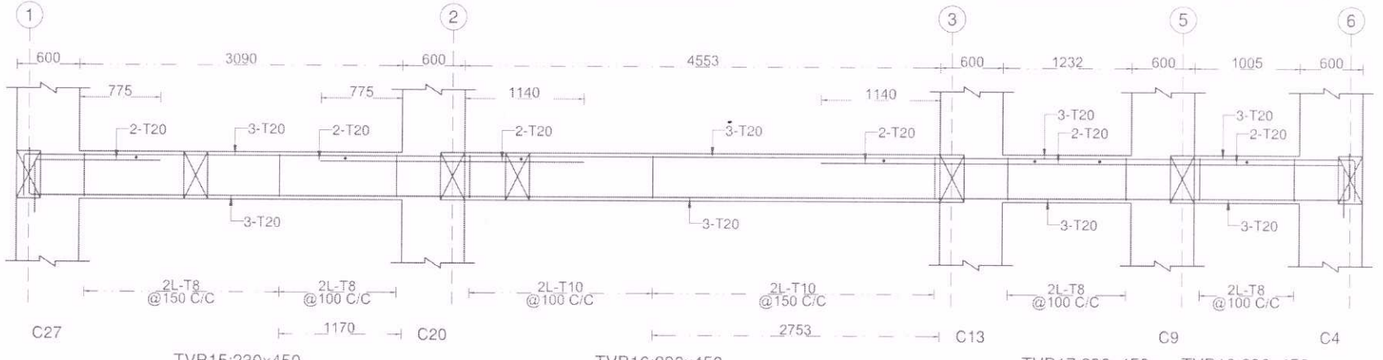

C26 C19 C12 C8 C3

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



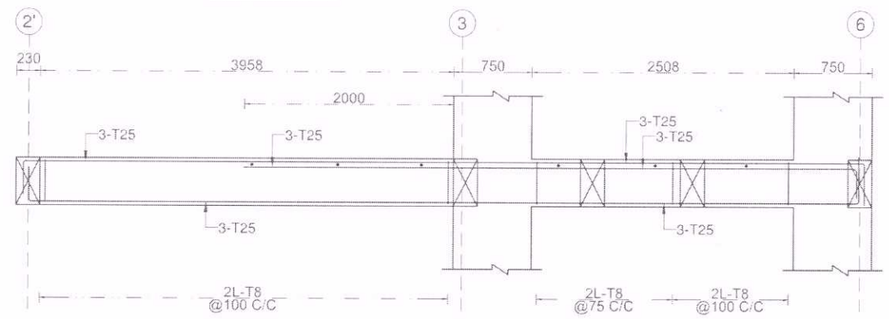

THB34 THB19

TVB19:230x450



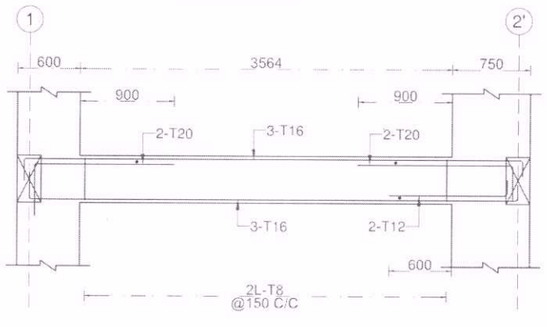

C27 C20 C13 C9 C4

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



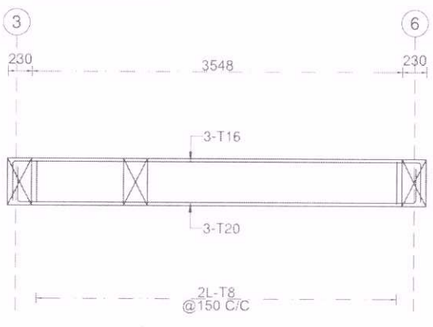

THB19 C14 C5

TVB20:230x450 TVB21:230x450



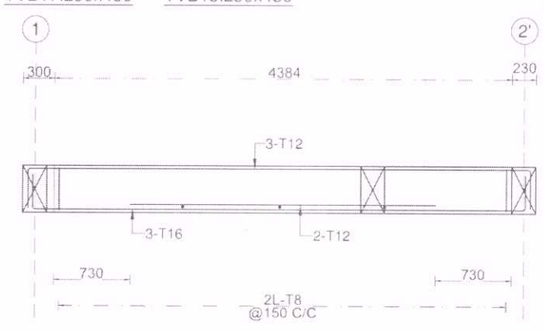

C28 FC2

TVB23:230x450



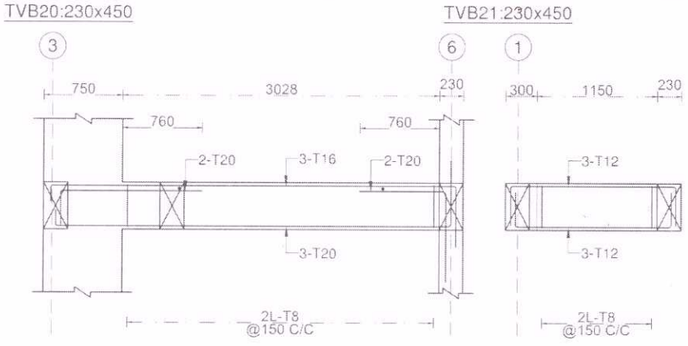

THB14 THB5

TVB24:230x450




THB35 THB20

TVB25:230x450




C15 C6 THB38 THB30

TVB26:230x450 TVB28:230x450

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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.

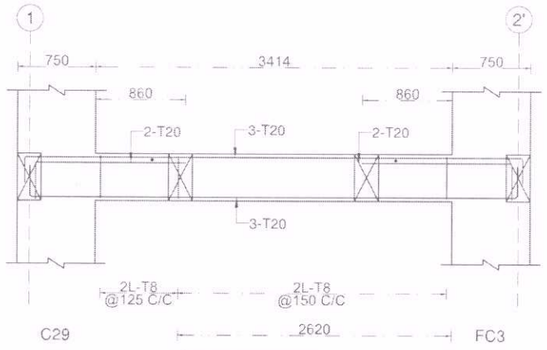
| DRAWING DETAILS | | |
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| Designed K.LOGANATHAN | Date 30-07-2025 | |
| Drawn K.LOGANATHAN | Sheet Size A3 | |
| Checked/ Approved K.LOGANATHAN | Scale 1:100 | |

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

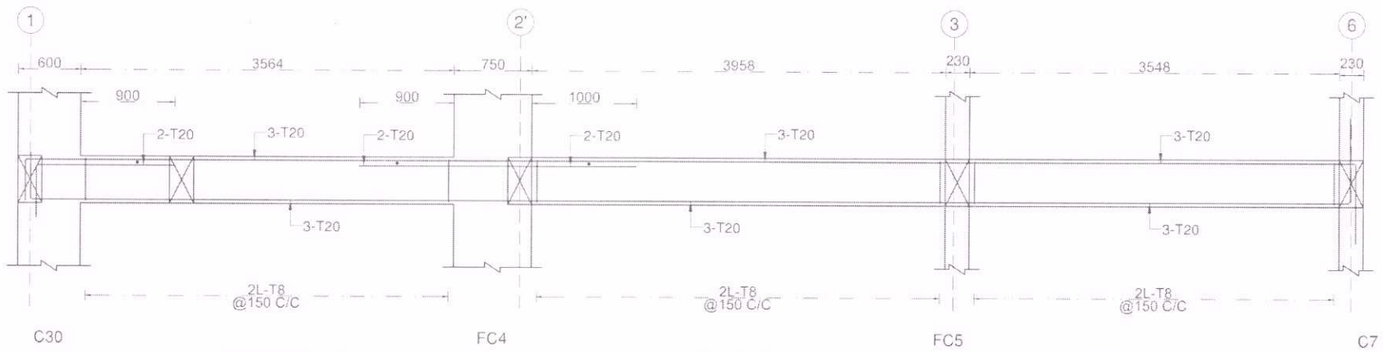
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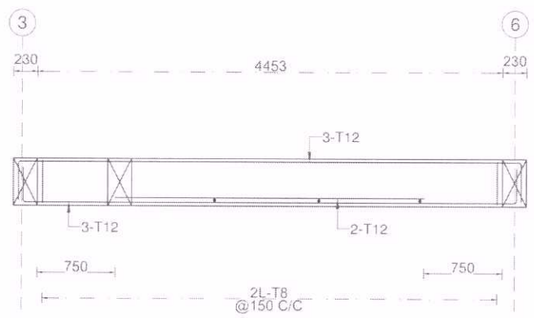

TVB27:230x450




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 |


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DRAWING DETAILS

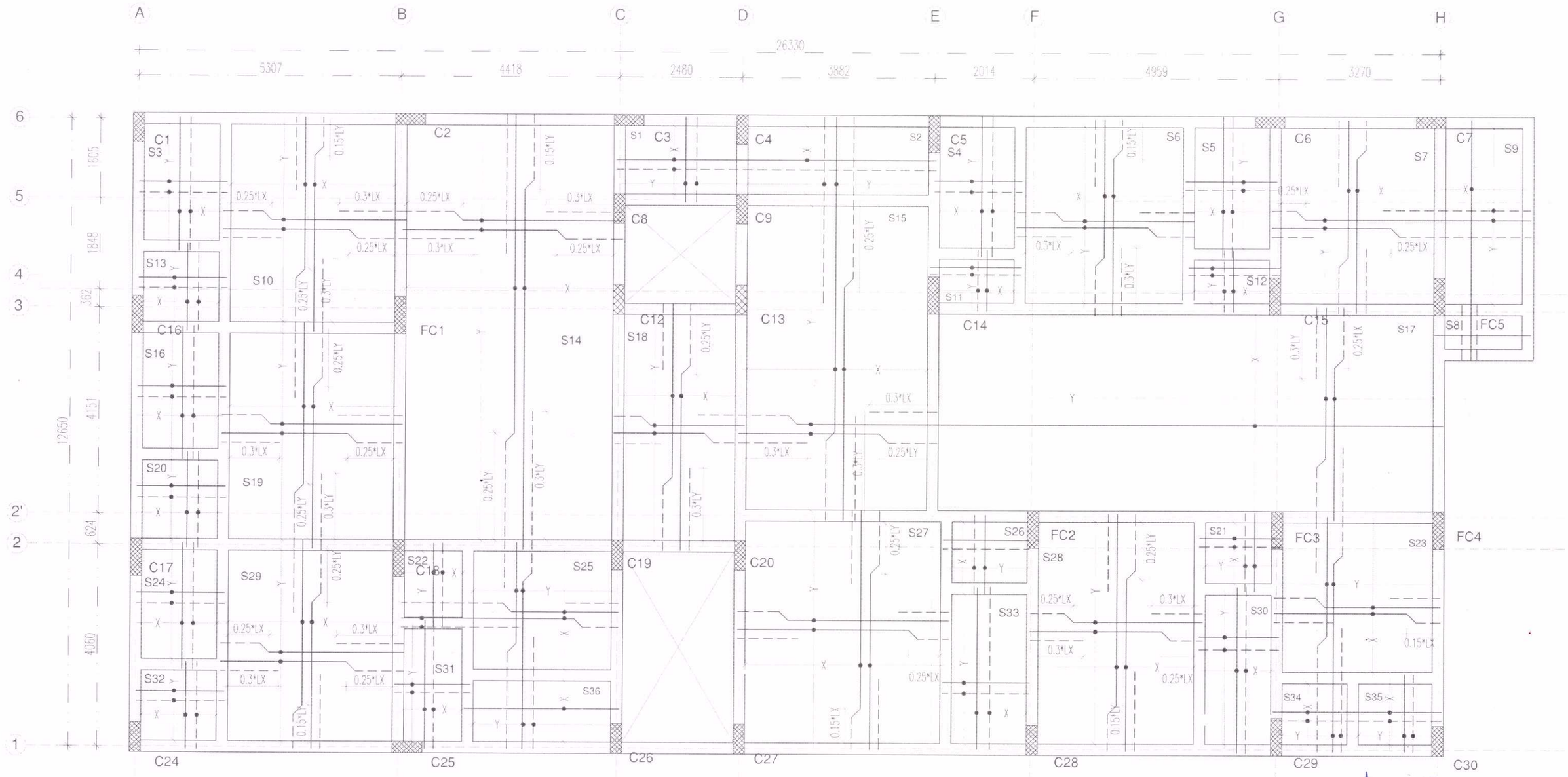
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Drawing Title
TYPICAL FLOOR ROOF BEAM L.S& STEEL SCHEDULE (4 OF 4)

Drawing Number PB/STR -013 Rev 00


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TYPICAL FLOOR ROOF BEAM STEEL LAYOUT


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


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THE LANDLENS SUITE

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

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

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

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

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

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

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

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

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

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

FREE TOOLS · NO ACCOUNT NEEDED

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

## Records and verification

The registers themselves, read for you.

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

## Value and duty

What it is worth and what it costs to register.

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

## Zoning and land use

What the plan says can happen on this land.

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

## Registers and directories

Who holds it, and which office keeps the record.

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

**Every free tool**
/tools

**Services we run for you**
/services

**The LandLens suite**
/landlens/one

Verified RealEstate™

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

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

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