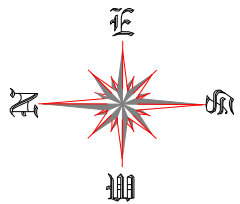



DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.

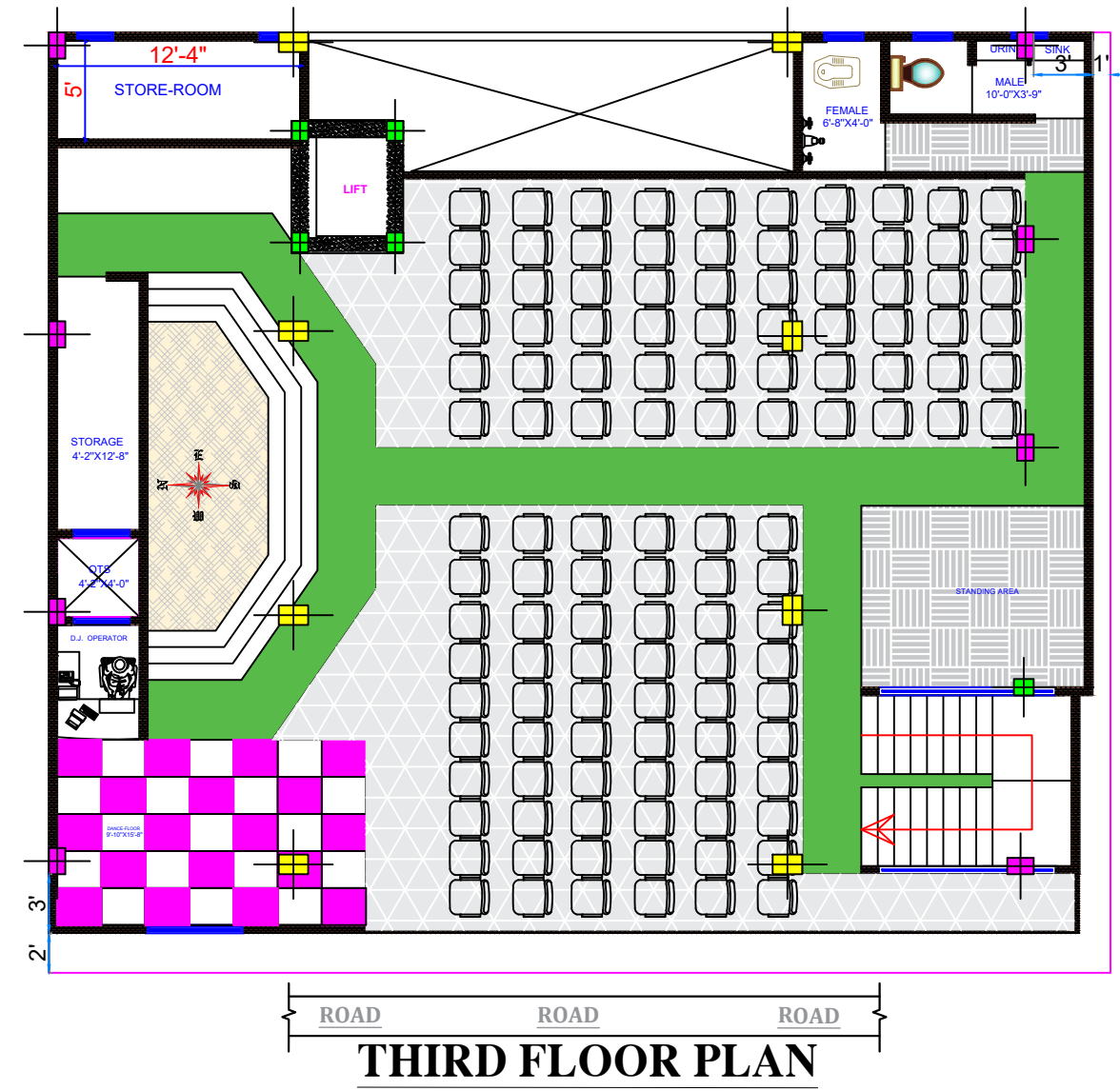
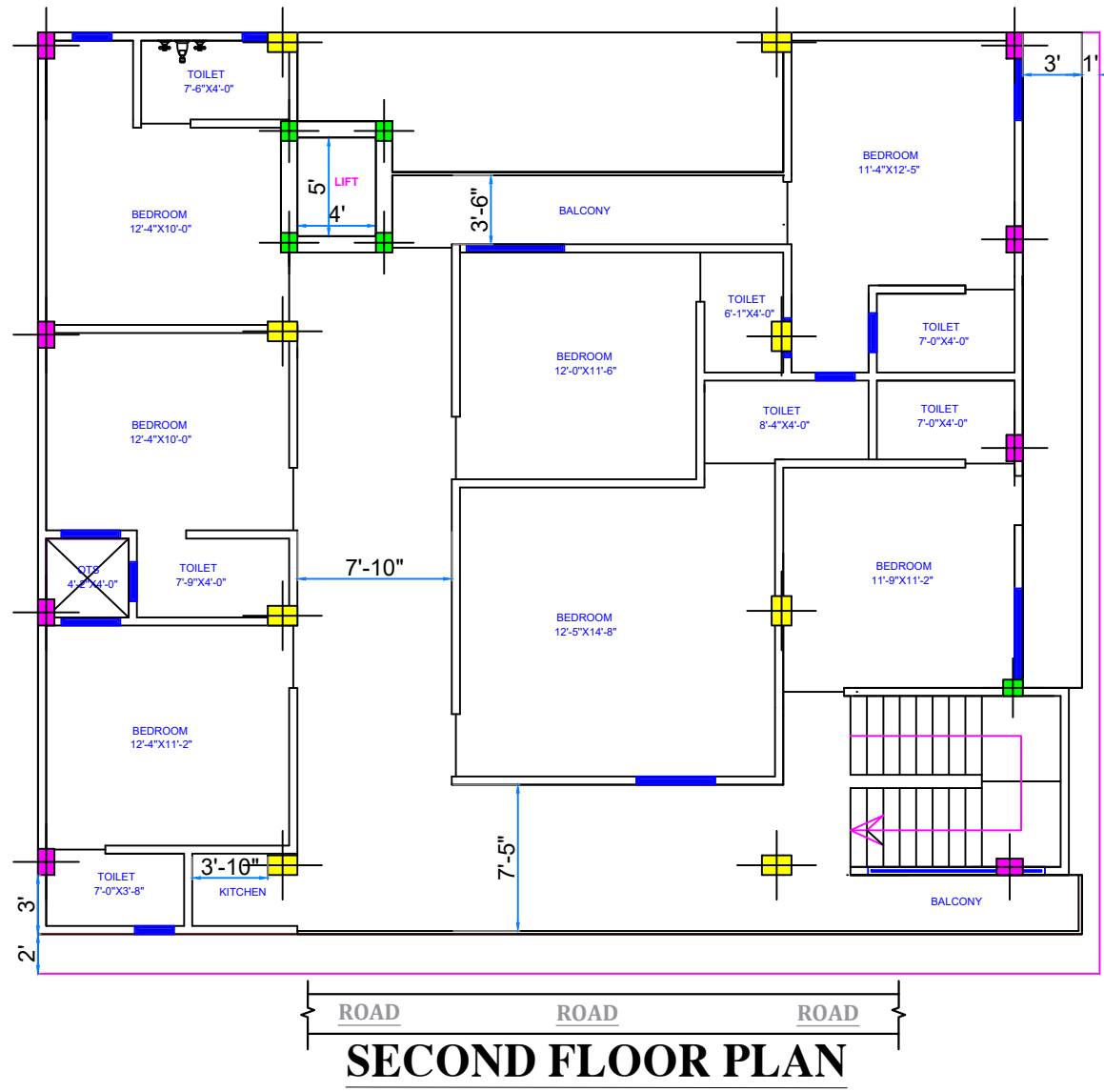
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|----------------------|--|
| <i>PROJECT :</i> | <i>Proposed Residential Layout For Mr. Rajesh JI</i> |
| <i>TITLE :</i> | 1.FLOOR PLAN |
| <i>Date of Issue</i> | <i>22/02/2026</i> |
| <i>CHECKED By</i> | <i>Er. R.K</i> |
| <i>Drawn By</i> | <i>Er. R.K</i> |

Phones: +918789740806
 Email : Designhousemaker@gmail.com



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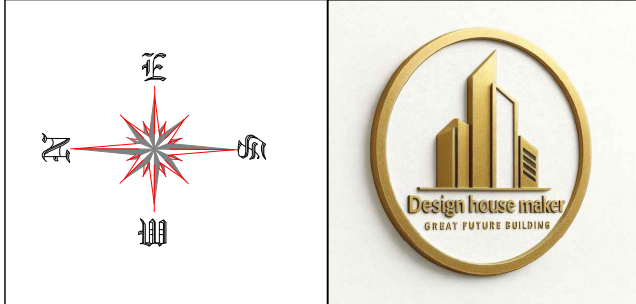


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

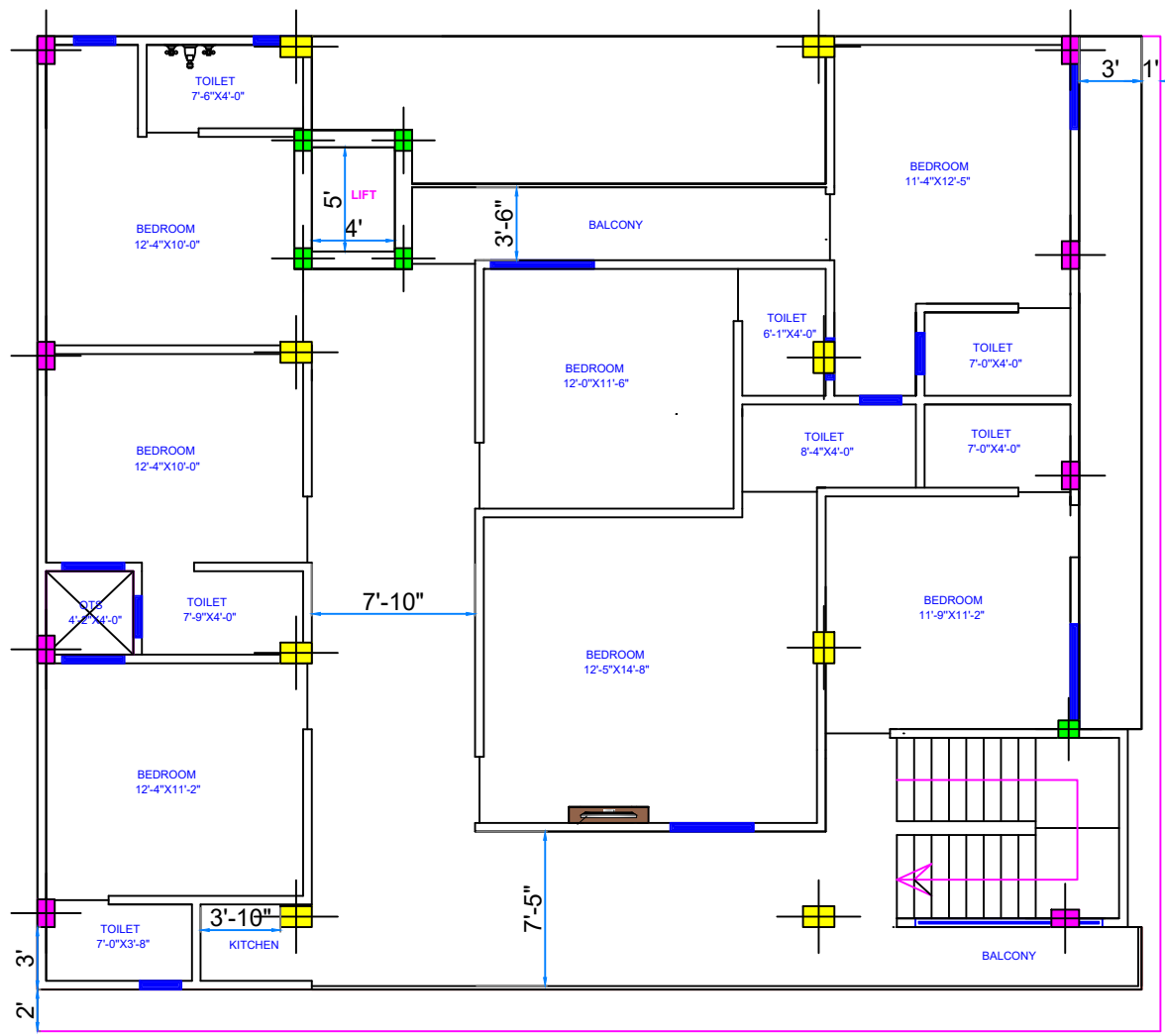
Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



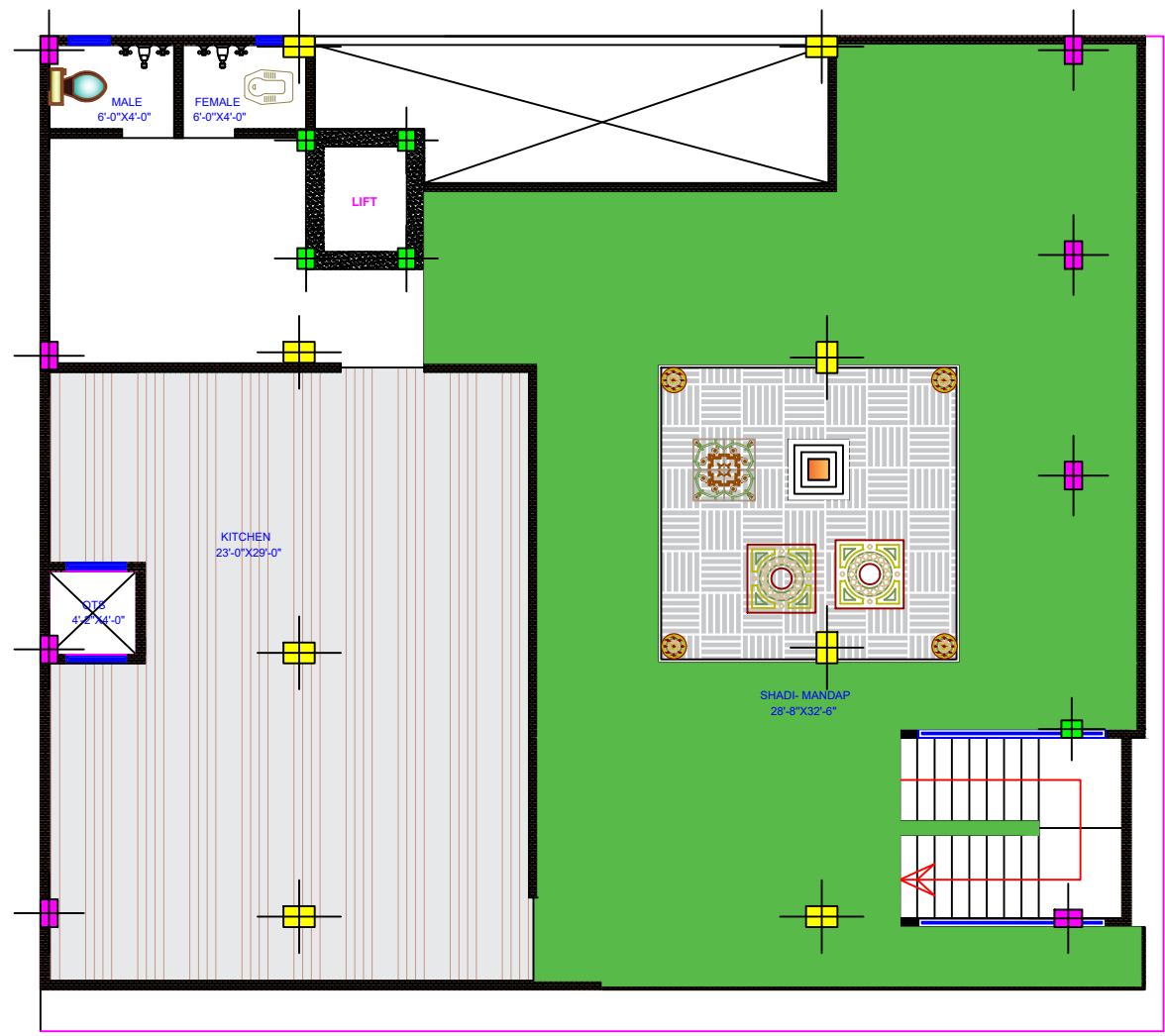
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|---------------|---|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 1.FLOOR PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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 Email :
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ROAD ROAD ROAD
FOURTH FLOOR PLAN



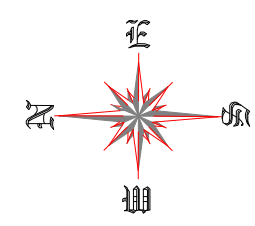
ROAD ROAD ROAD
FIFTH FLOOR PLAN

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



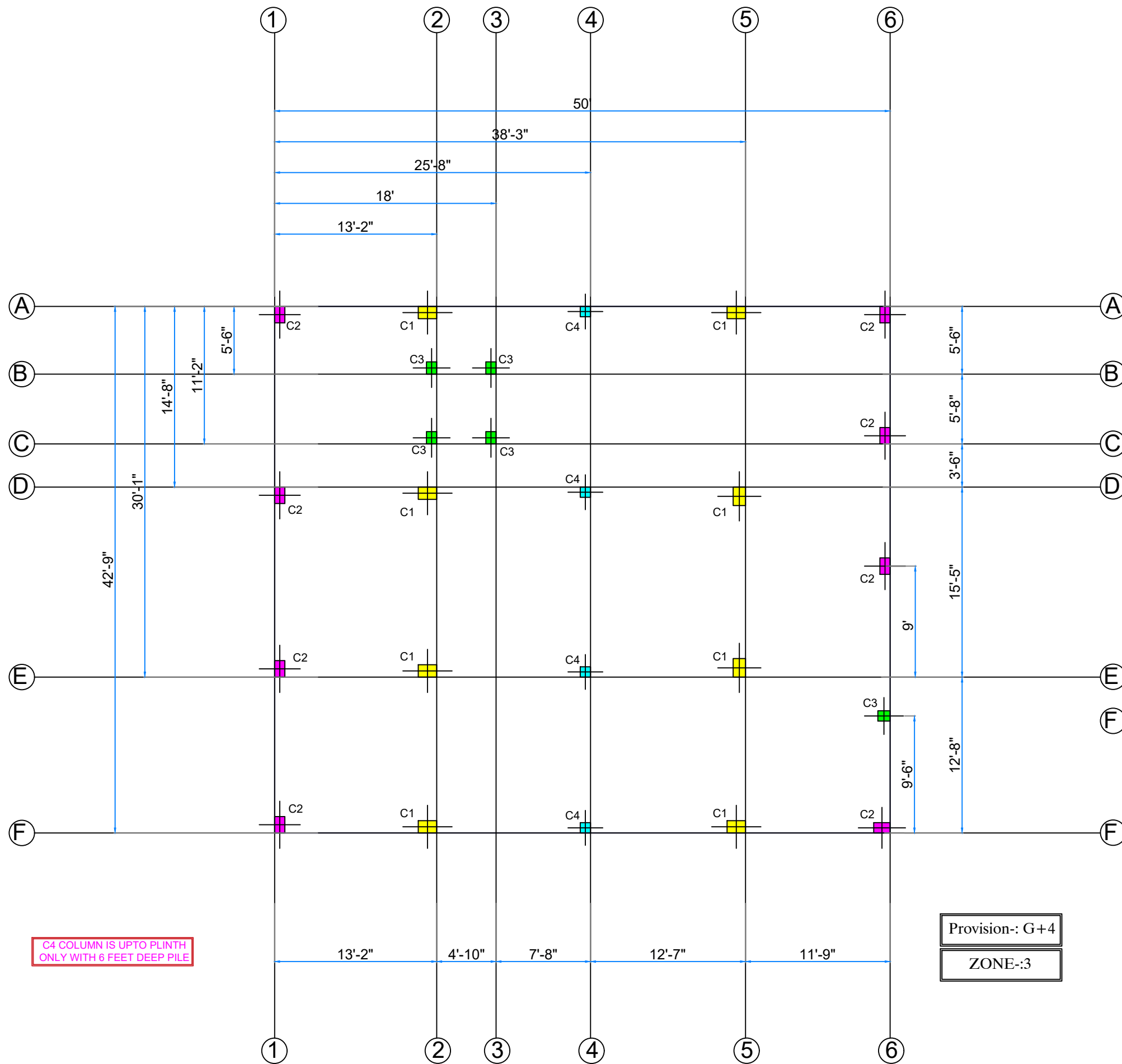
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|---------------|---|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 1.FLOOR PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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 Email :
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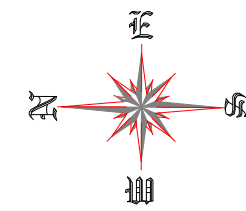


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : *2. Column centerline plan*

Date of Issue *22/02/2026*

CHECKED By *Er. R.K*

Drawn By *Er. R.K*

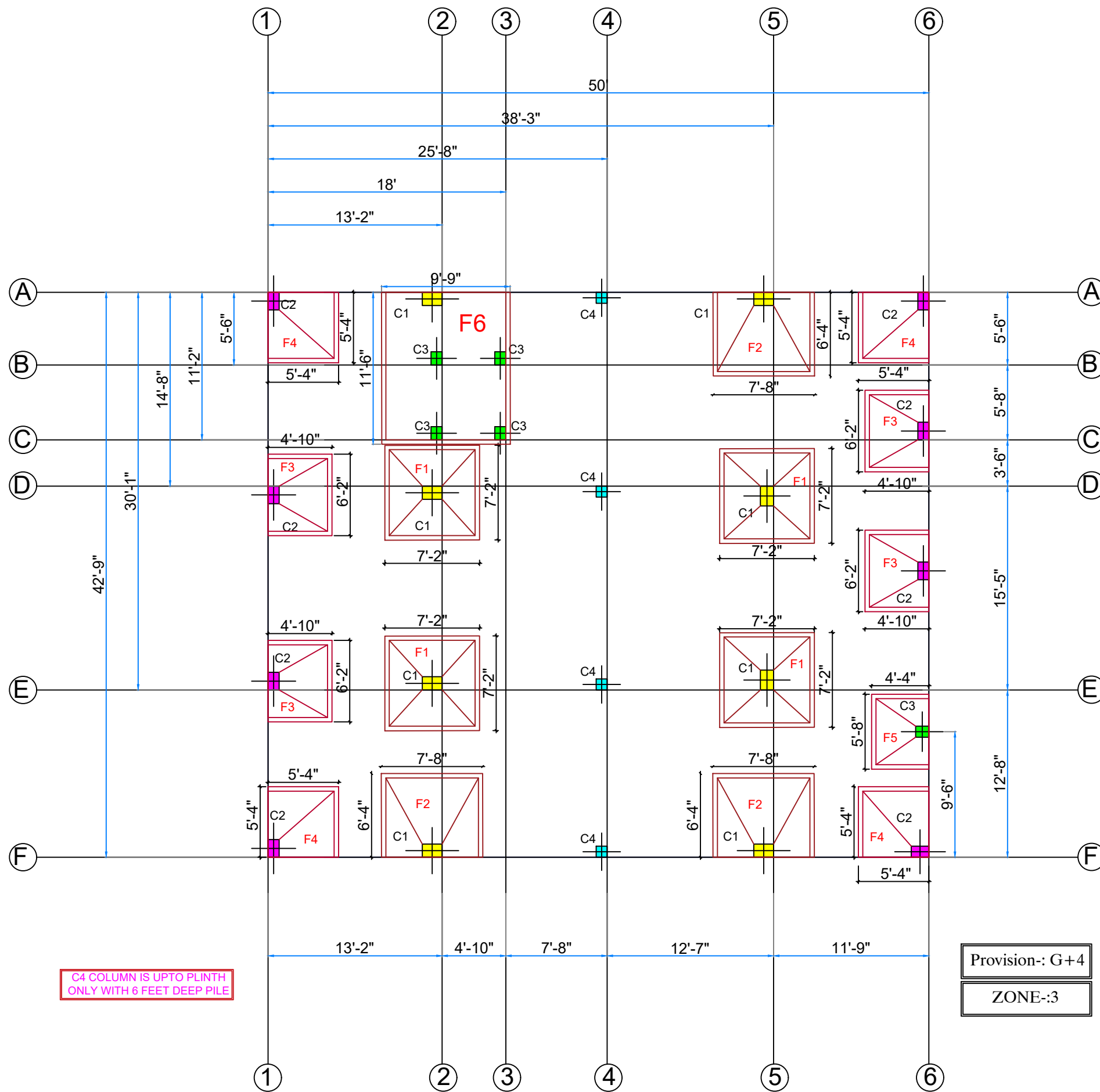
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C4 COLUMN IS UPTO PLINTH ONLY WITH 6 FEET DEEP PILE

Provision:- G+4

ZONE:-3

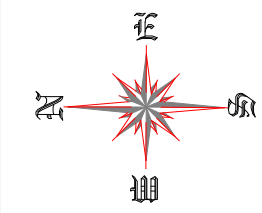
---ROAD---
FOUNDATION LINE

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



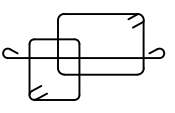
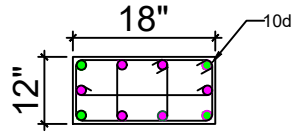
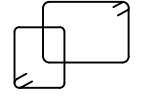
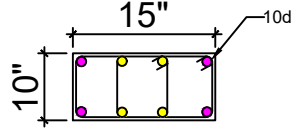

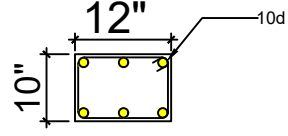

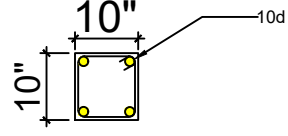
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|---------------|--|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 3.FOUNDATION PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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Designhousemaker@gmail.com



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| SCHEDULE OF COLUMN | | | | |
|--------------------|-----------|--|--|---|
| TYPE | SIZE | MAIN BAR | RINGS | SECTION |
| C1 | 12" x 18" | <ul style="list-style-type: none"> 4 NOS 20 mm TMT 6 NOS 16 mm TMT |  8 mm TMT 6" C/C |  |
| C2 | 10" x 15" | <ul style="list-style-type: none"> 4 NOS 16 mm TMT 4 NOS 12 mm TMT |  8 mm TMT 6" C/C |  |
| C3 | 10" x 12" | <ul style="list-style-type: none"> 6 NOS 12 mm TMT |  8 mm TMT 6" C/C |  |
| C4 | 10" x 10" | <ul style="list-style-type: none"> 4 NOS 12 mm TMT |  8 mm TMT 6" C/C |  |

| SCHEDULE OF REINFORCEMENT FOR FOOTINGS | | | | | | | |
|--|----------------|--------|--------|--------|--------|------------------------------|------------------------------|
| TYPE | EXCAVATION | L (IN) | B (IN) | t (IN) | D (IN) | REINFORCEMENT IN L DIRECTION | REINFORCEMENT IN B DIRECTION |
| F1 | 7'-2" X 7'-2" | 6'-6" | 6'-6" | 12" | 2'-0" | 10 TMT 5" C/C | 10 TMT 5" C/C |
| F2 | 6'-4" X 7'-8" | 6'-0" | 7'-0" | 12" | 2'-0" | 10 TMT 5" C/C | 10 TMT 5" C/C |
| F3 | 6'-2" X 4'-10" | 5'-6" | 4'-6" | 12" | 2'-0" | 10 TMT 5" C/C | 10 TMT 5" C/C |
| F4 | 5'-4" X 5'-4" | 5'-0" | 5'-0" | 12" | 2'-0" | 10 TMT 5" C/C | 10 TMT 5" C/C |
| F5 | 5'-8" X 4'-4" | 5'-0" | 4'-0" | 12" | 2'-0" | 10 TMT 5" C/C | 10 TMT 5" C/C |
| F6 | 11'-6" X 9'-9" | 11'-2" | 9'-1" | | 2'-0" | 10 TMT 5" C/C | 10 TMT 5" C/C |

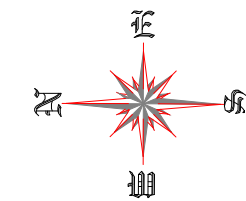
Note: The depth of foundation will be according to the site conditions.

DESIGN DETAILS

- CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
- Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
- All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
- The lap length of 50D should be ensured
- The plinth beam should be tested or pedestal only
- The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : *4.Foundation/Column Schedule*

Date of Issue *22/02/2026*

CHECKED BY *Er. R.K*

Drawn By *Er. R.K*

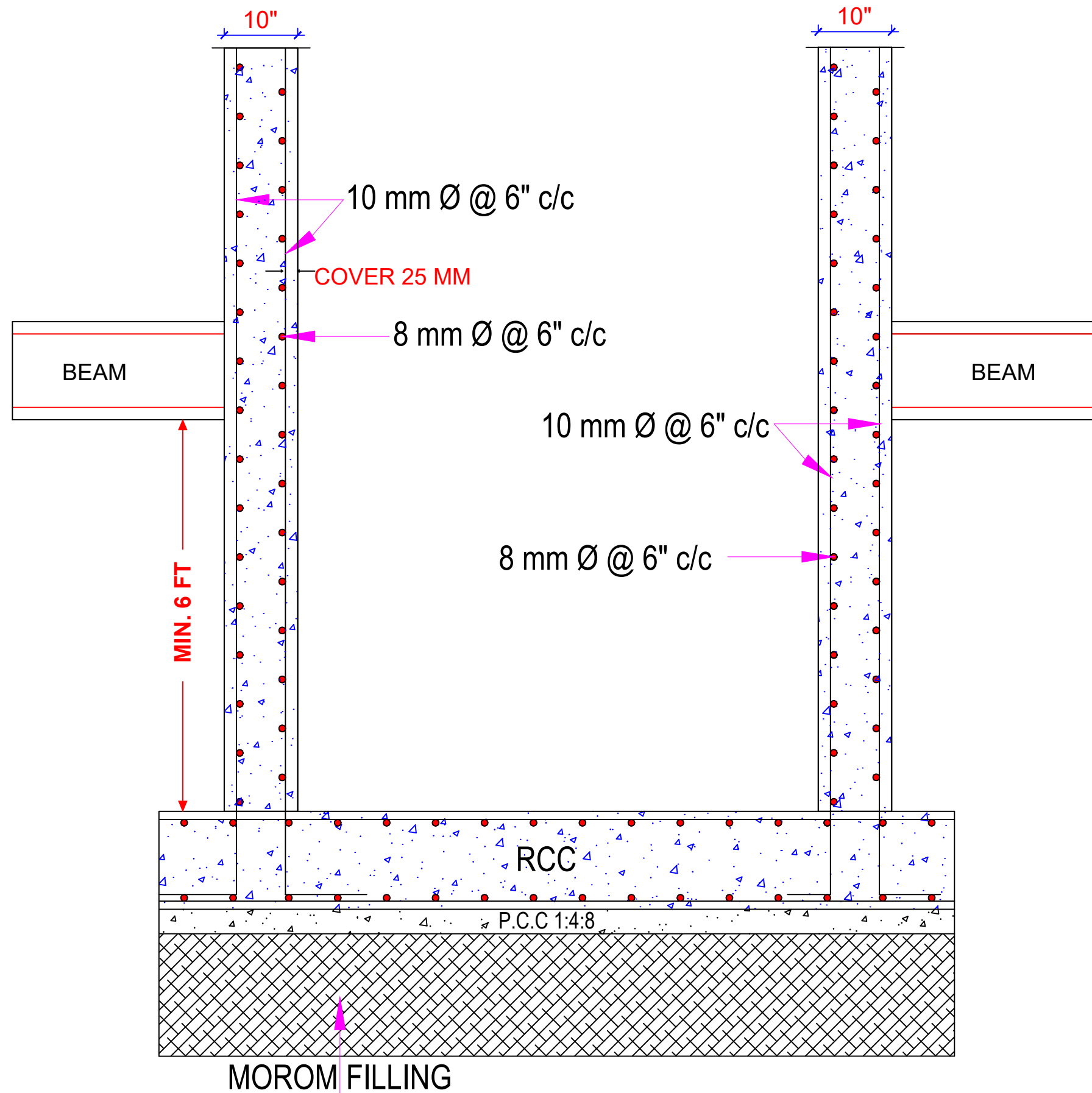
Phones: [+918789740806](tel:+918789740806)

Email : Designhousemaker@gmail.com



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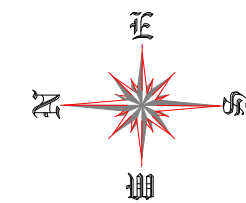
**RCC SHEAR WALL
LIFT PIT DETAILS**

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
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5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : *5.Foundation Section Details*

Date of Issue : *22/02/2026*

CHECKED By : *Er. R.K*

Drawn By : *Er. R.K*

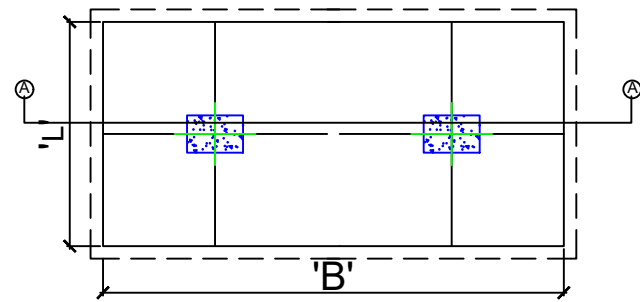
Phones: **+918789740806**

Email : Designhousemaker@gmail.com

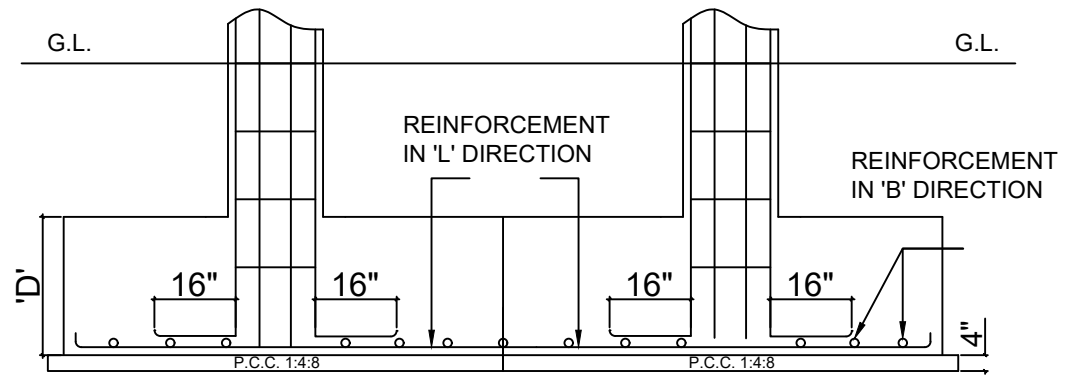


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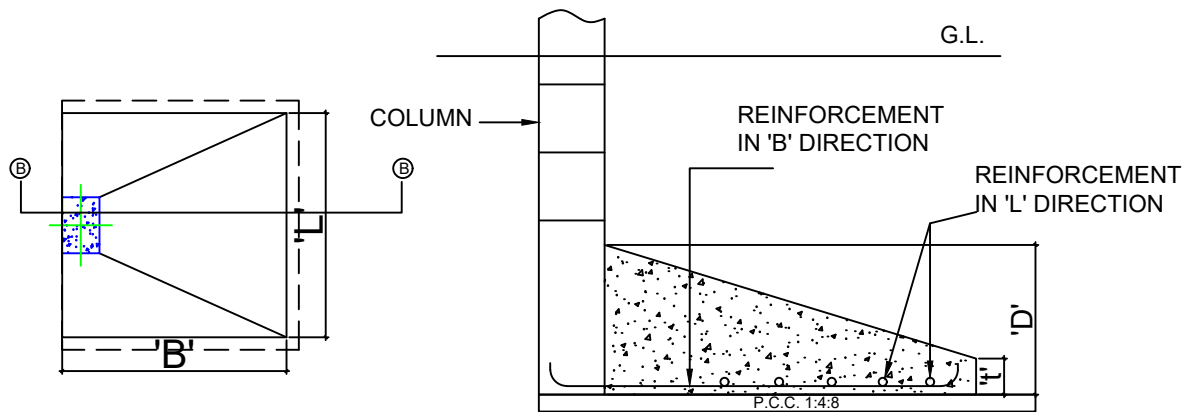


PLAN
TYPICAL DETAIL OF COMBINED
FOOTING OF COLUMN



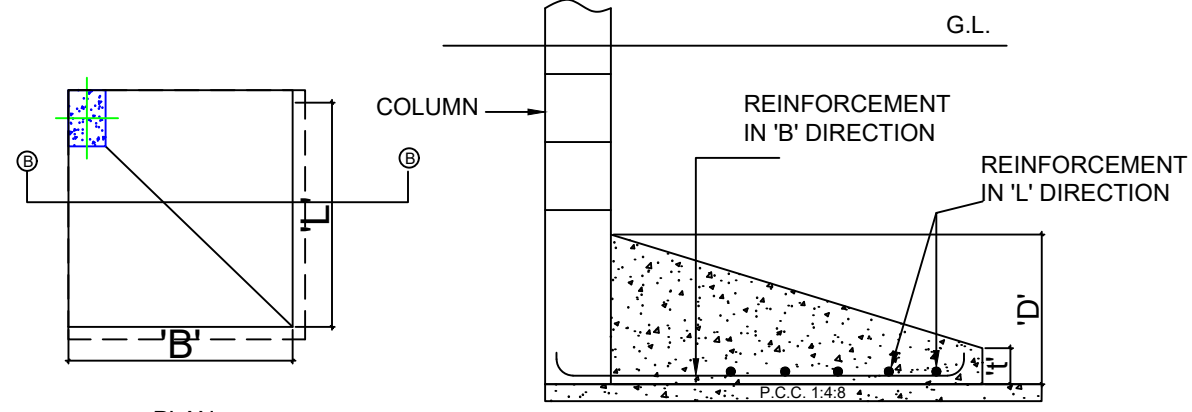
SECTION A-A

FOUNDATION SCHEDULE



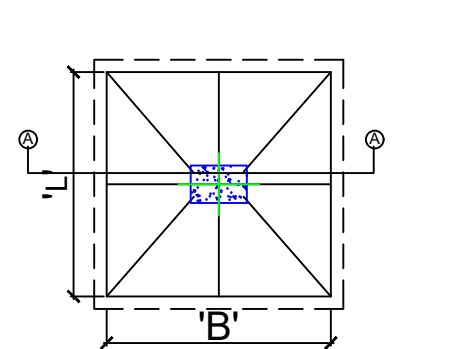
PLAN
TYPICAL FOOTING DETAIL OF
CORNER WALL COLUMNS

SECTION B-B

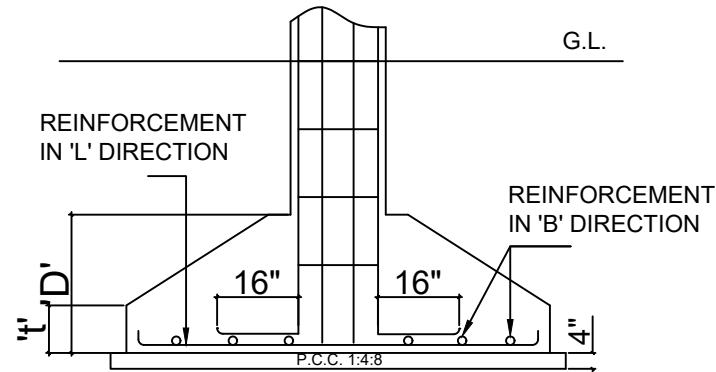


PLAN
TYPICAL FOOTING DETAIL OF
CORNER WALL COLUMNS

SECTION B-B



PLAN
TYPICAL FOOTING DETAIL OF COLUMN



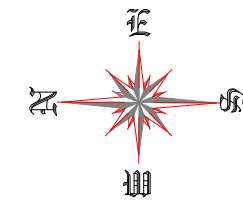
SECTION A-A

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout
For Mr. Rajesh JI*

TITLE : *5.Foundation Section Details*

Date of Issue : *22/02/2026*

CHECKED By : *Er. R.K*

Drawn By : *Er. R.K*

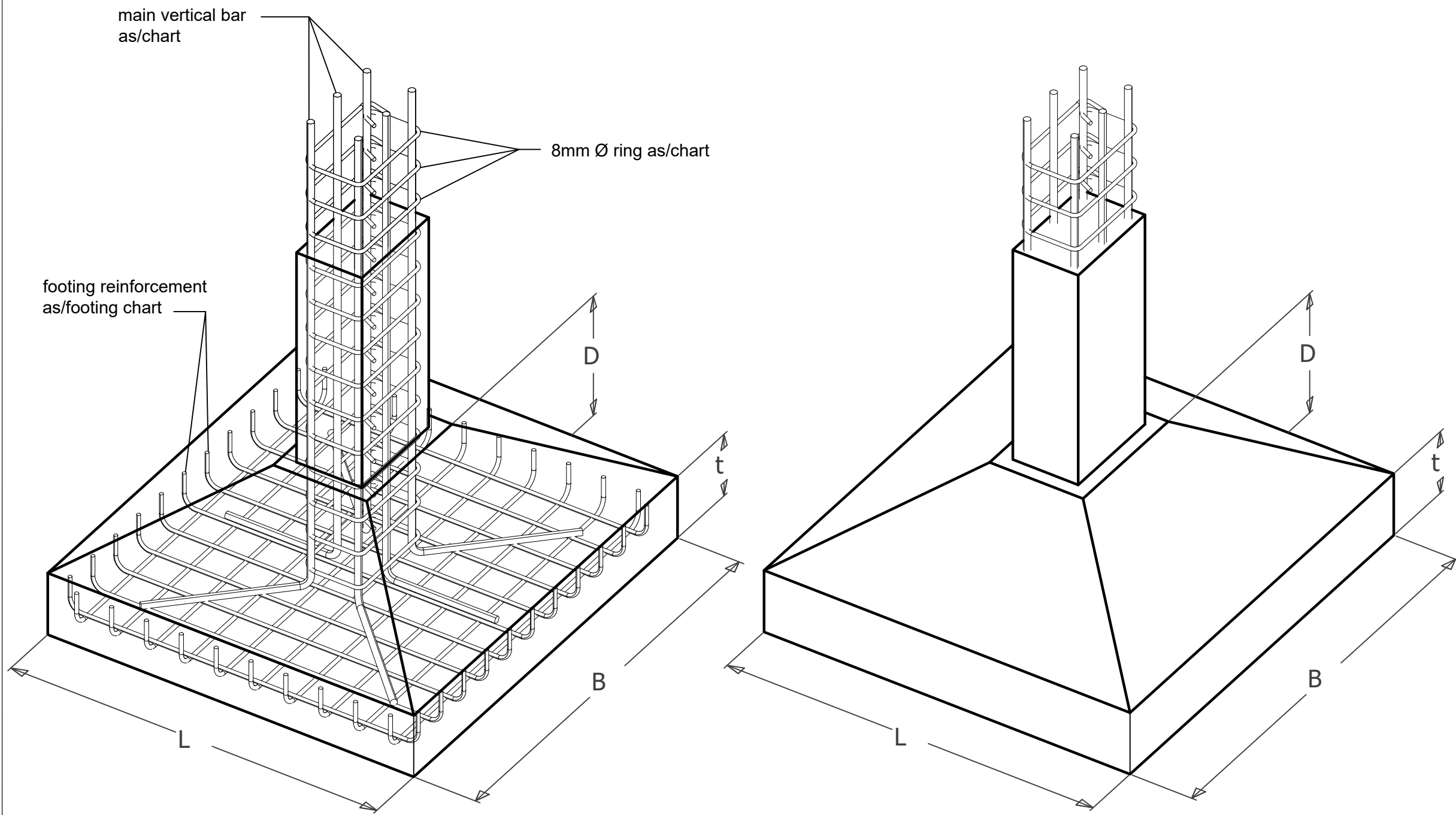
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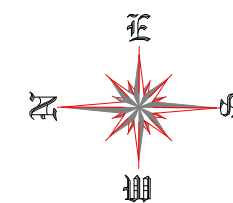


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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NOTE

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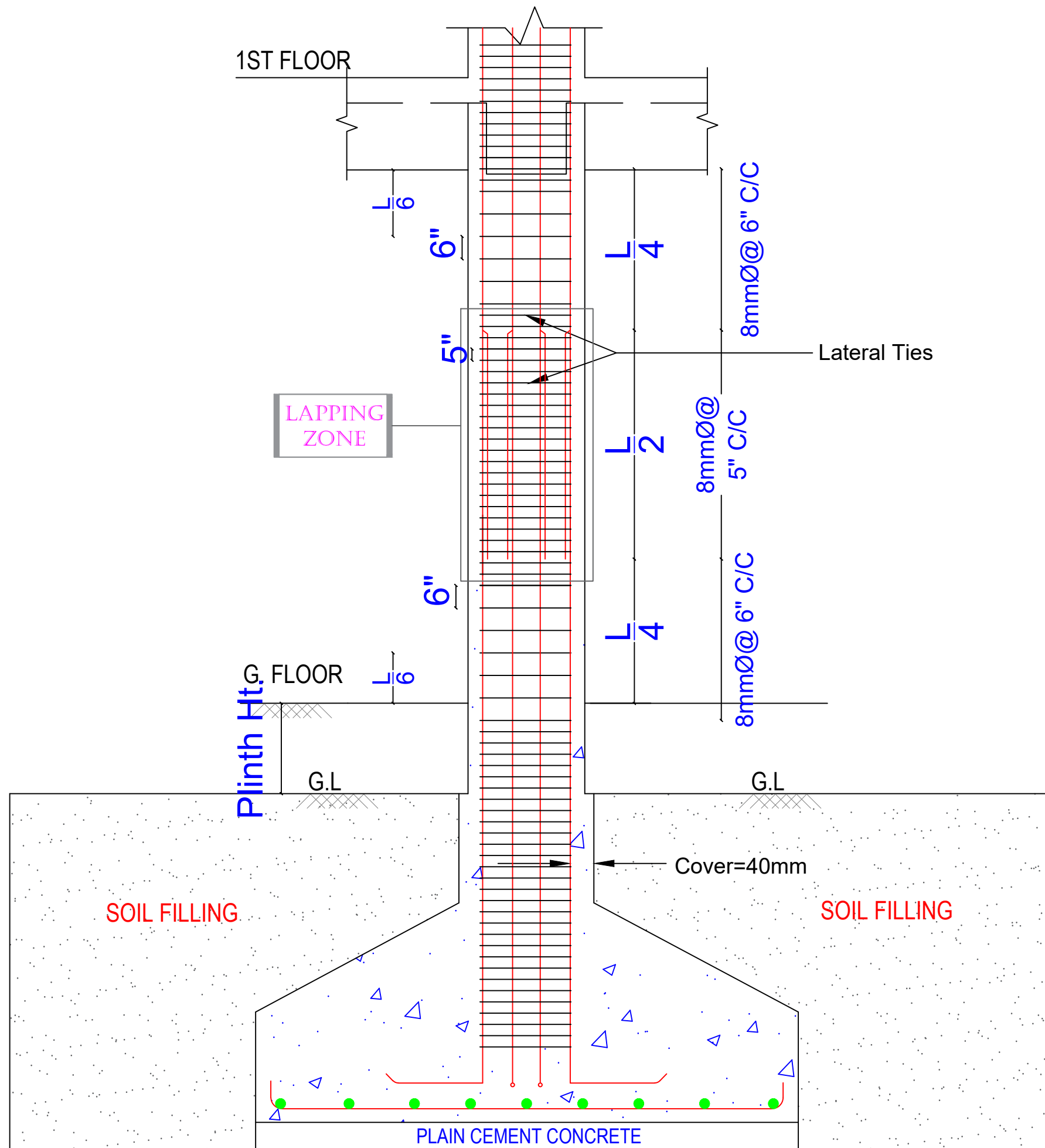
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| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 5A.Foundation 3D Section |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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Email :
Designhousemaker@gmail.com



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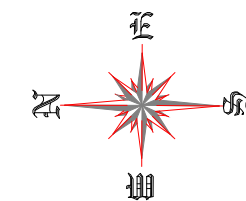
VERTICAL SECTION OF COLUMN

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JJ*

TITLE : **6. TYPICAL COLUMN SECTION**

Date of Issue : *22/02/2026*

CHECKED By : *Er. R.K*

Drawn By : *Er. R.K*

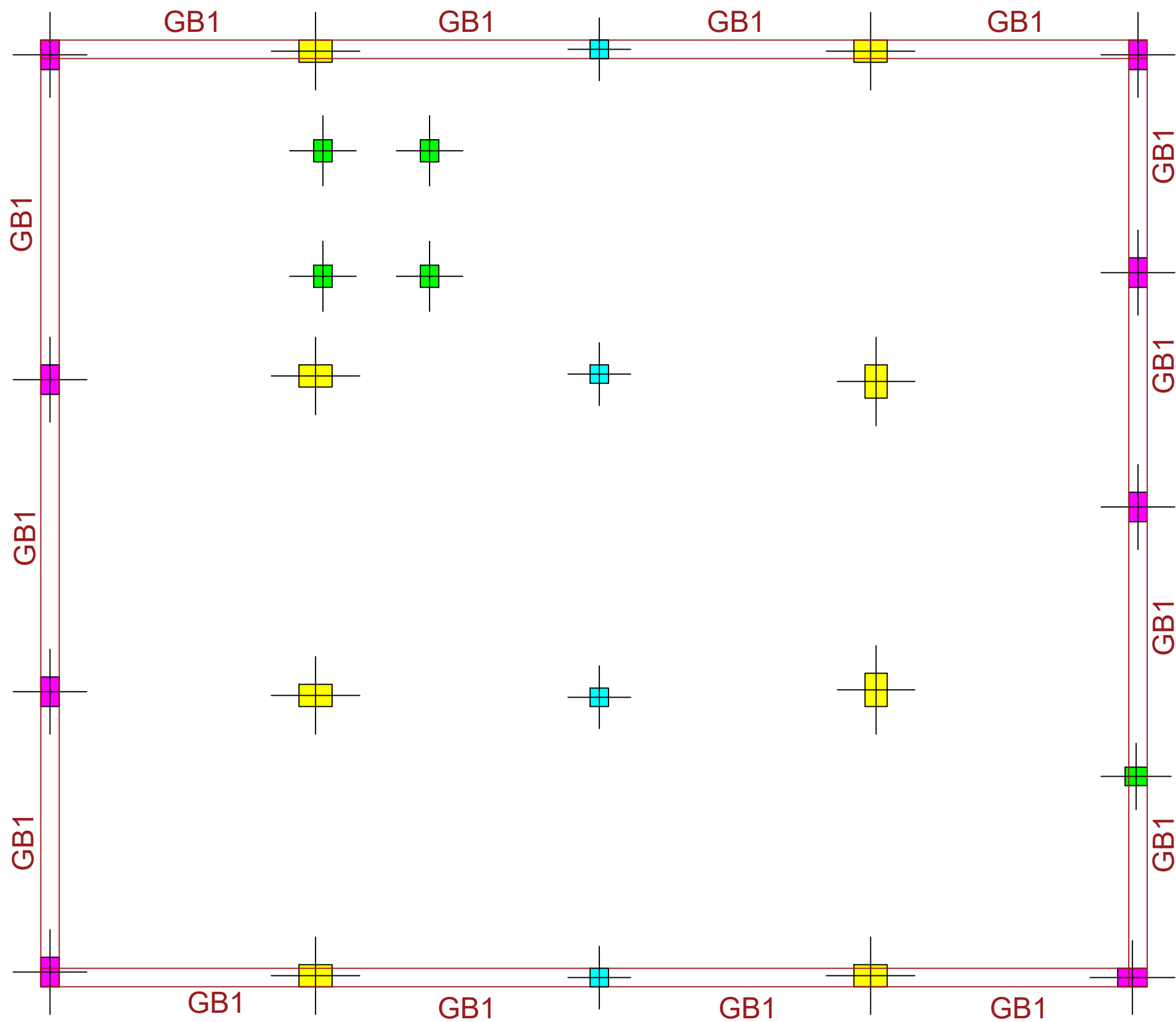
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---ROAD---
GROUND BEAM PLAN

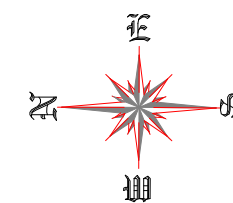
| SCHEDULE OF GROUND BEAM | | | | | | | |
|-------------------------|-----------|--------------|-----------------|-----------------|--------------|--------------|--------------|
| NAME | SIZE (IN) | REIN. AT TOP | REIN. AT BOTTOM | EXTRA AT BOTTOM | EXTRA AT TOP | RINGS | |
| | | | | | | UP TO L/3 | AFTER L/3 |
| GB1 | 10" x 10" | 2-12 TMT | 2-12 TMT | - | - | 8 # @ 5" C/C | 8 # @ 6" C/C |

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JJ*

TITLE : **6. TYPICAL COLUMN SECTION**

Date of Issue : *22/02/2026*

CHECKED By : *Er. R.K*

Drawn By : *Er. R.K*

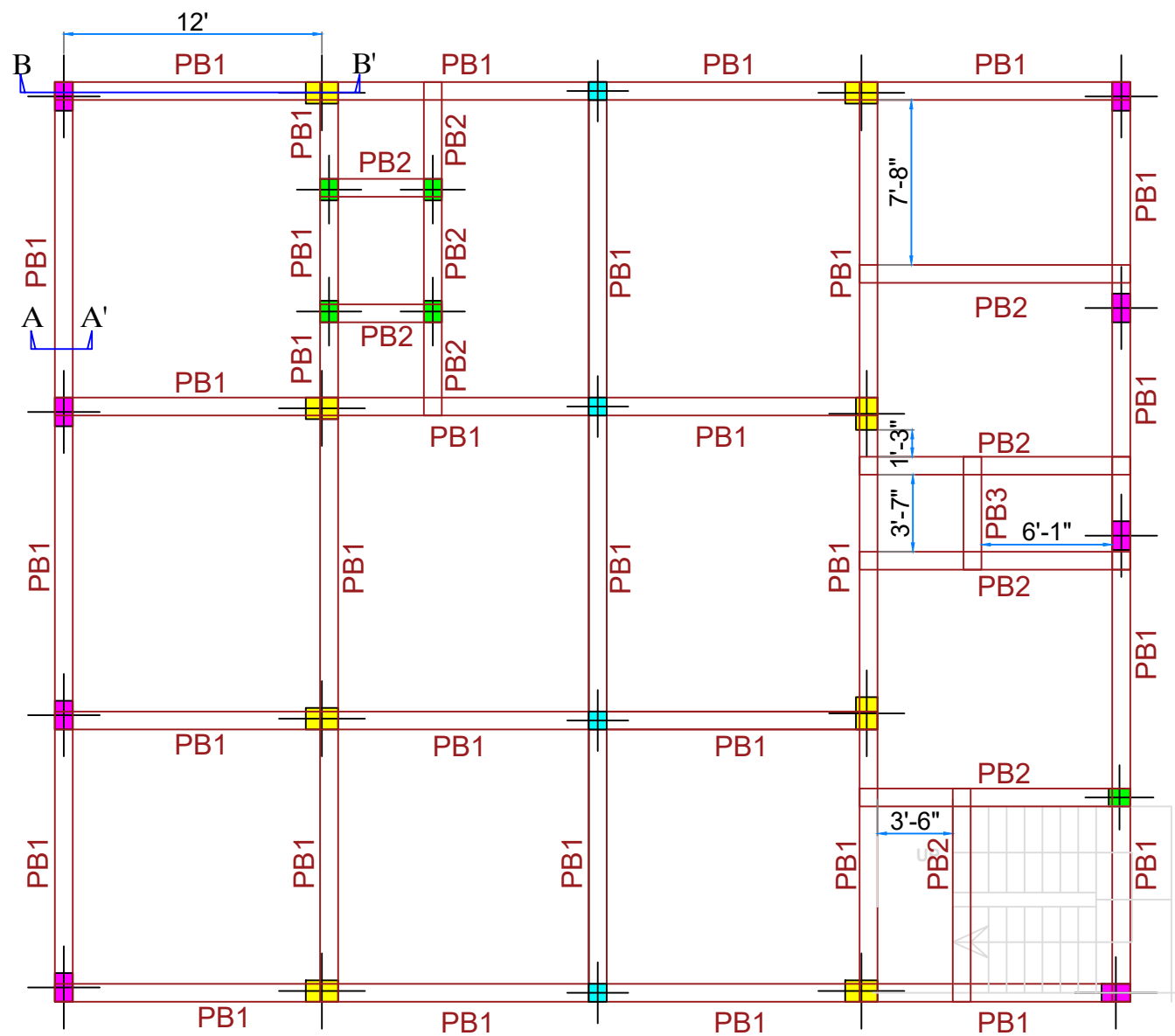
Phones: +918789740806

Email : Designhousemaker@gmail.com



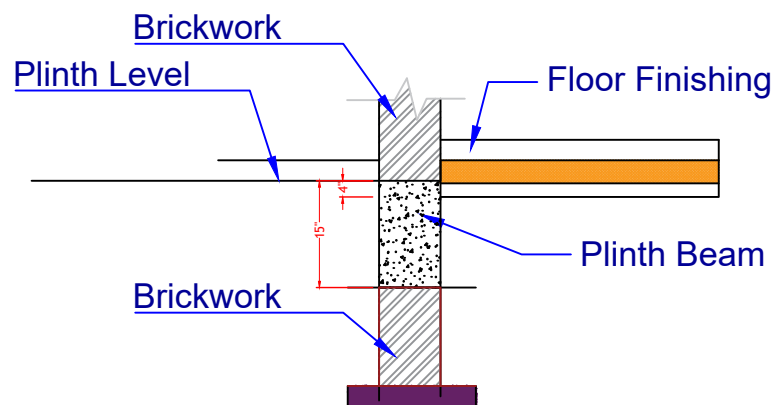
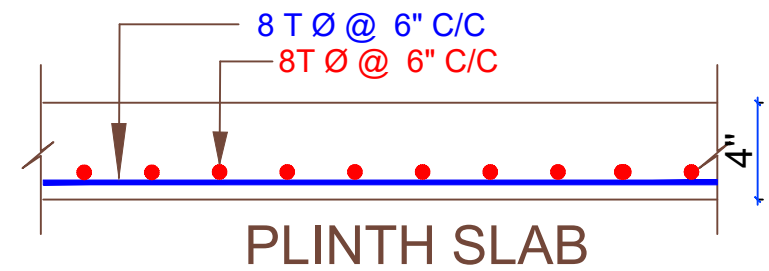
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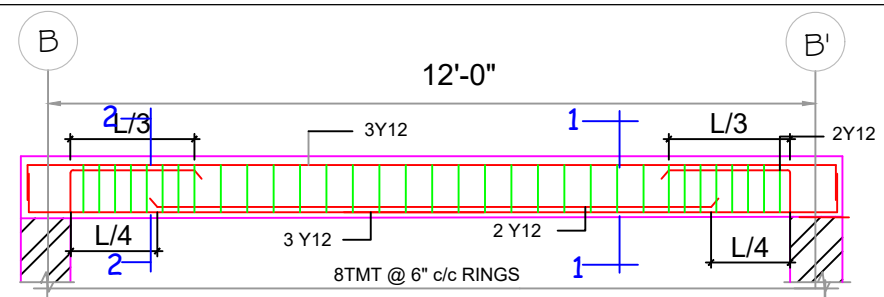


---ROAD---
PLINTH BEAM PLAN

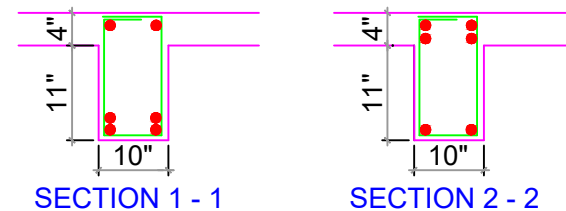
| SCHEDULE OF PLINTH BEAM | | | | | | | |
|-------------------------|-----------|--------------|-----------------|-----------------|--------------|--------------|--------------|
| NAME | SIZE (IN) | REIN. AT TOP | REIN. AT BOTTOM | EXTRA AT BOTTOM | EXTRA AT TOP | RINGS | |
| | | | | | | UP TO L/3 | AFTER L/3 |
| PB1 | 10" x 15" | 3-12 TMT | 3-12 TMT | 2-12 TMT | 2-12 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |
| PB2 | 10" x 12" | 2-12 TMT | 2-12 TMT | 2-12 TMT | 2-12 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |
| PB3 | 10" x 12" | 2-12 TMT | 2-12 TMT | 2-10 TMT | 2-10 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |



Section AA'



BEAM SECTION B-B'

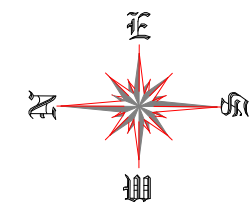


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : *7.PLINTH BEAM PLAN*

Date of Issue *22/02/2026*

CHECKED By *Er. R.K*

Drawn By *Er. R.K*

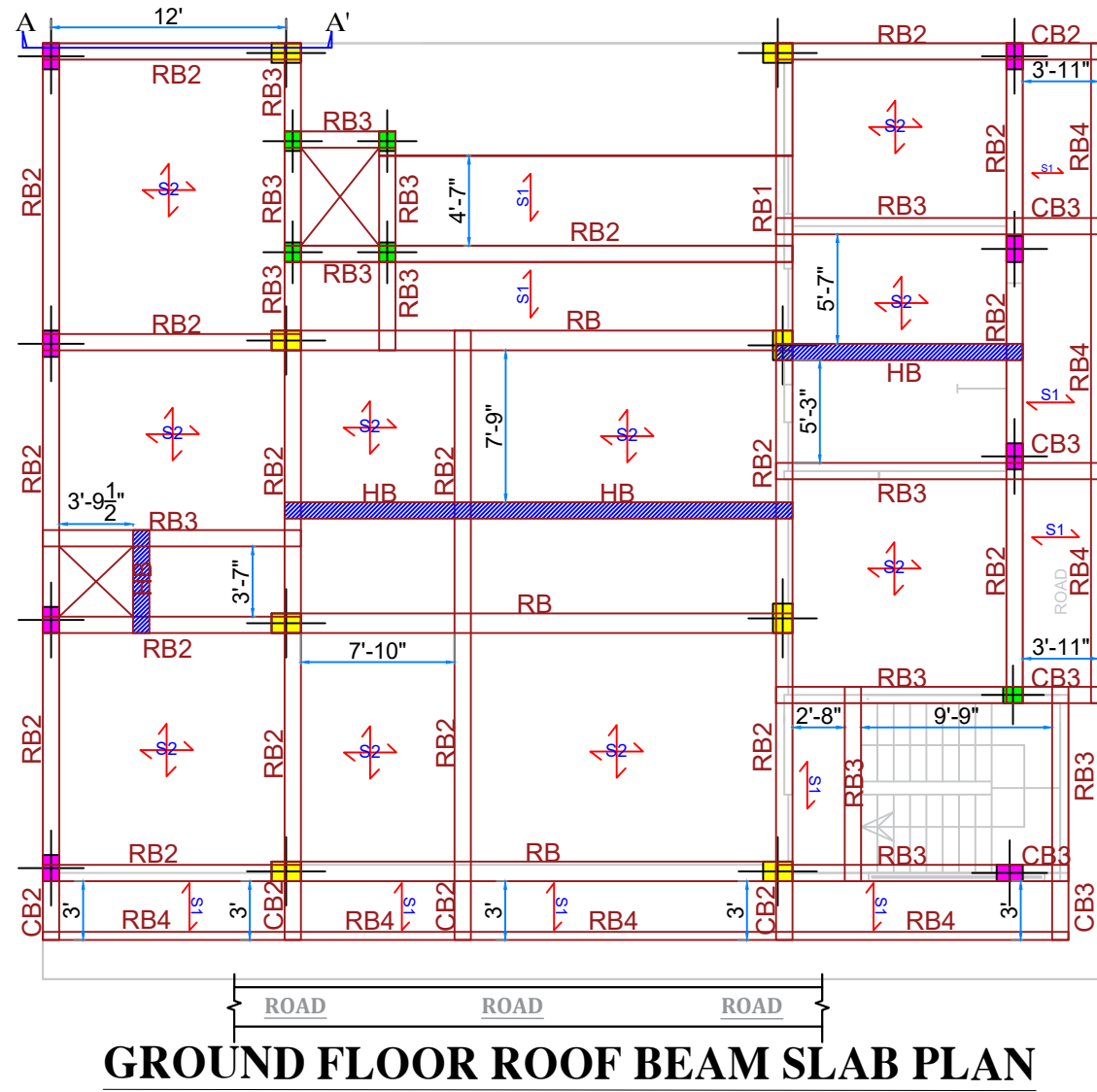
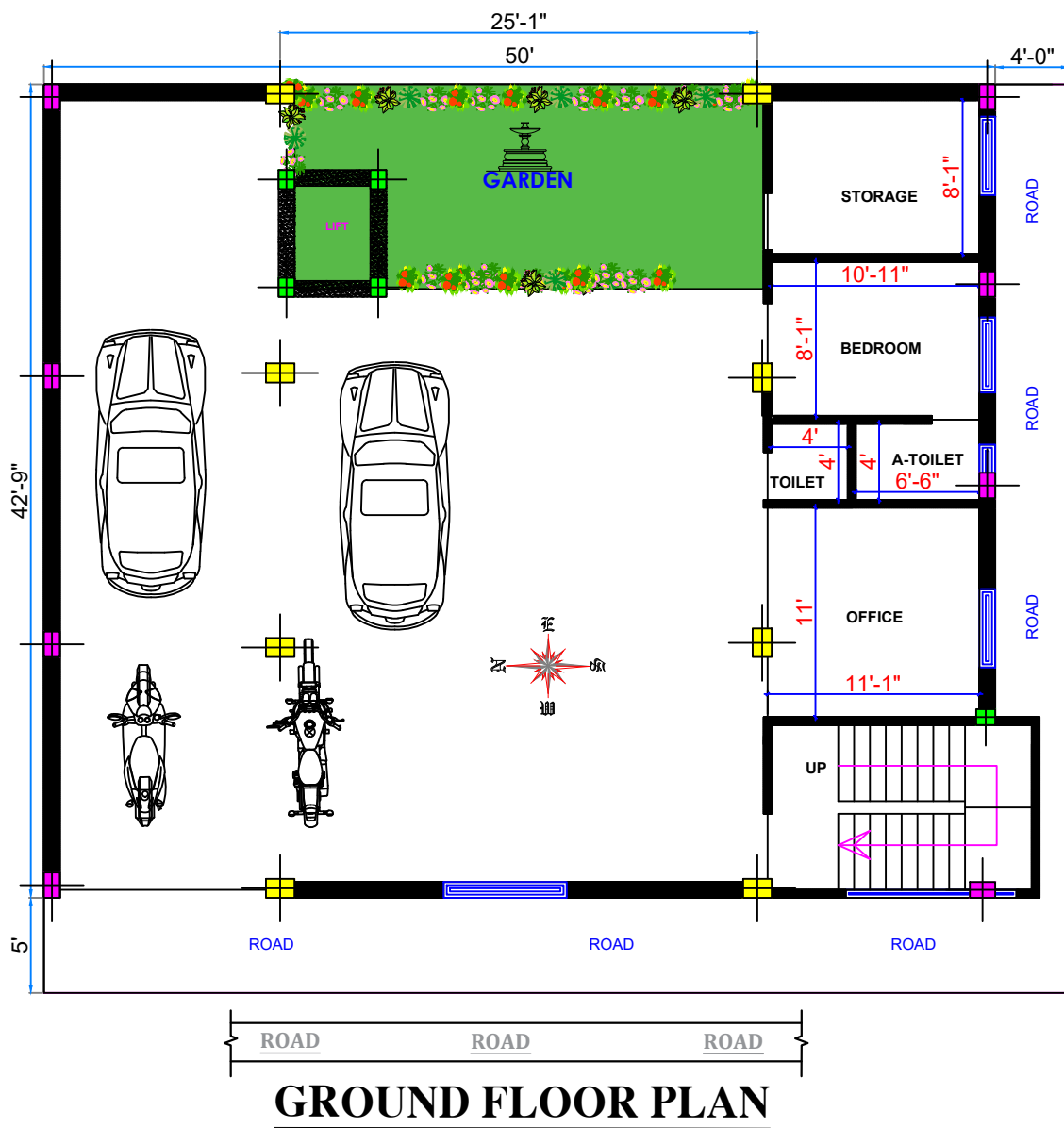
Phones: +918789740806

Email : Designhousemaker@gmail.com



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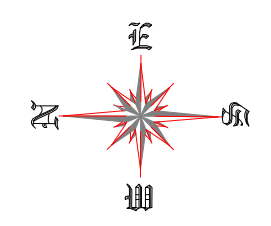


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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NOTE

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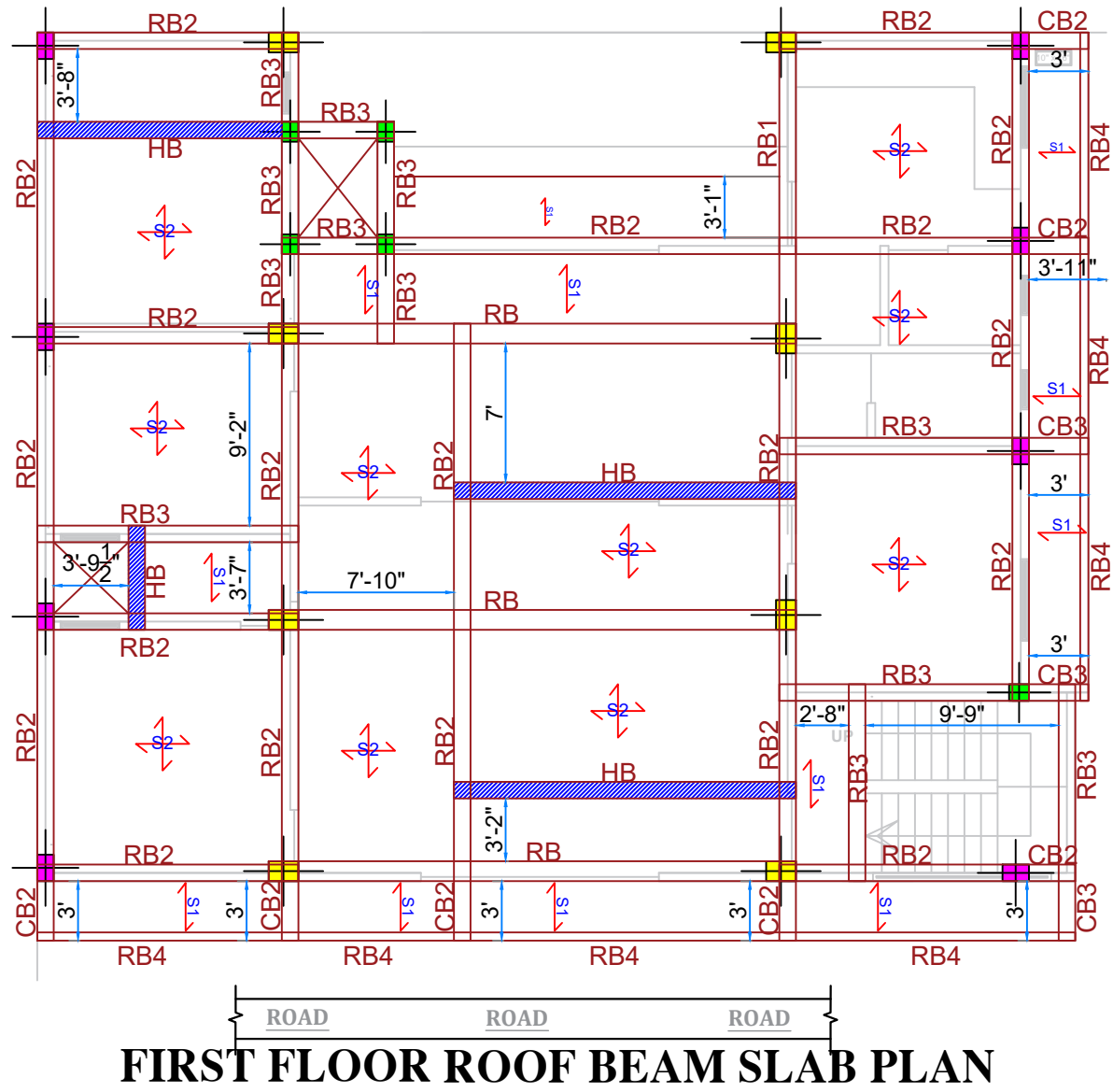
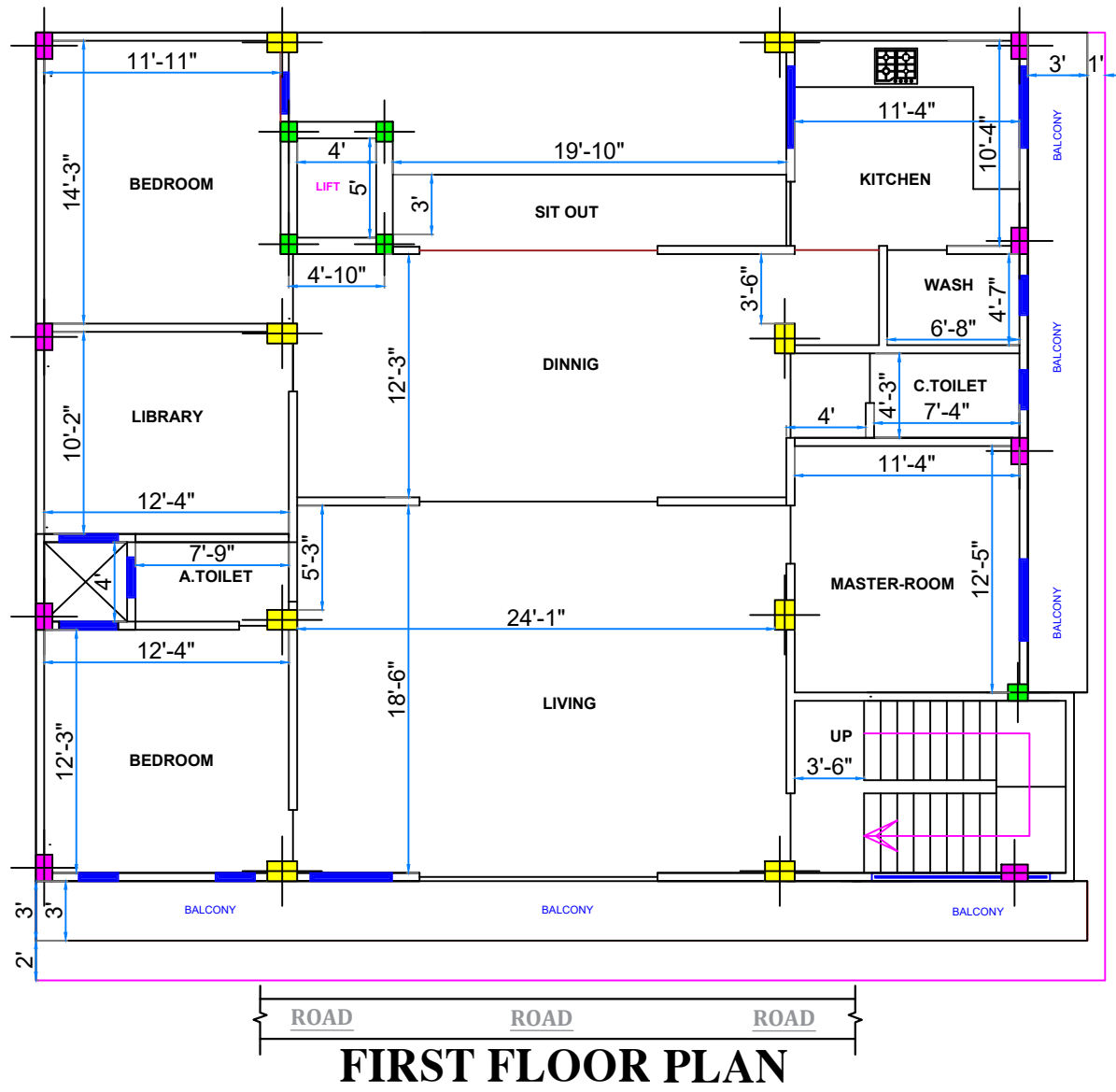
| | |
|---------------|--|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 8A. ROOF BEAM PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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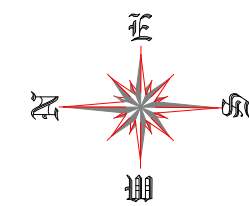


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



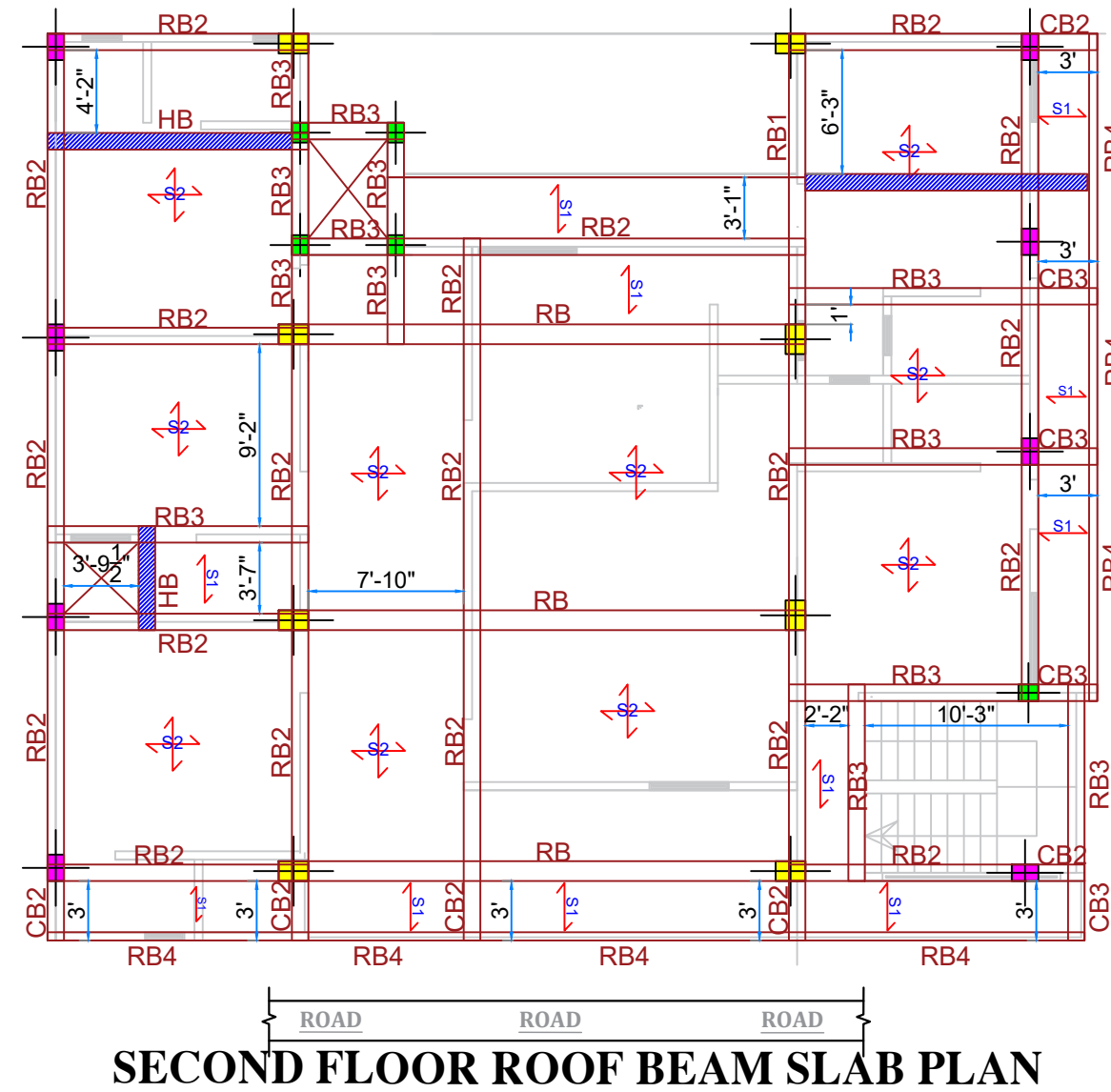
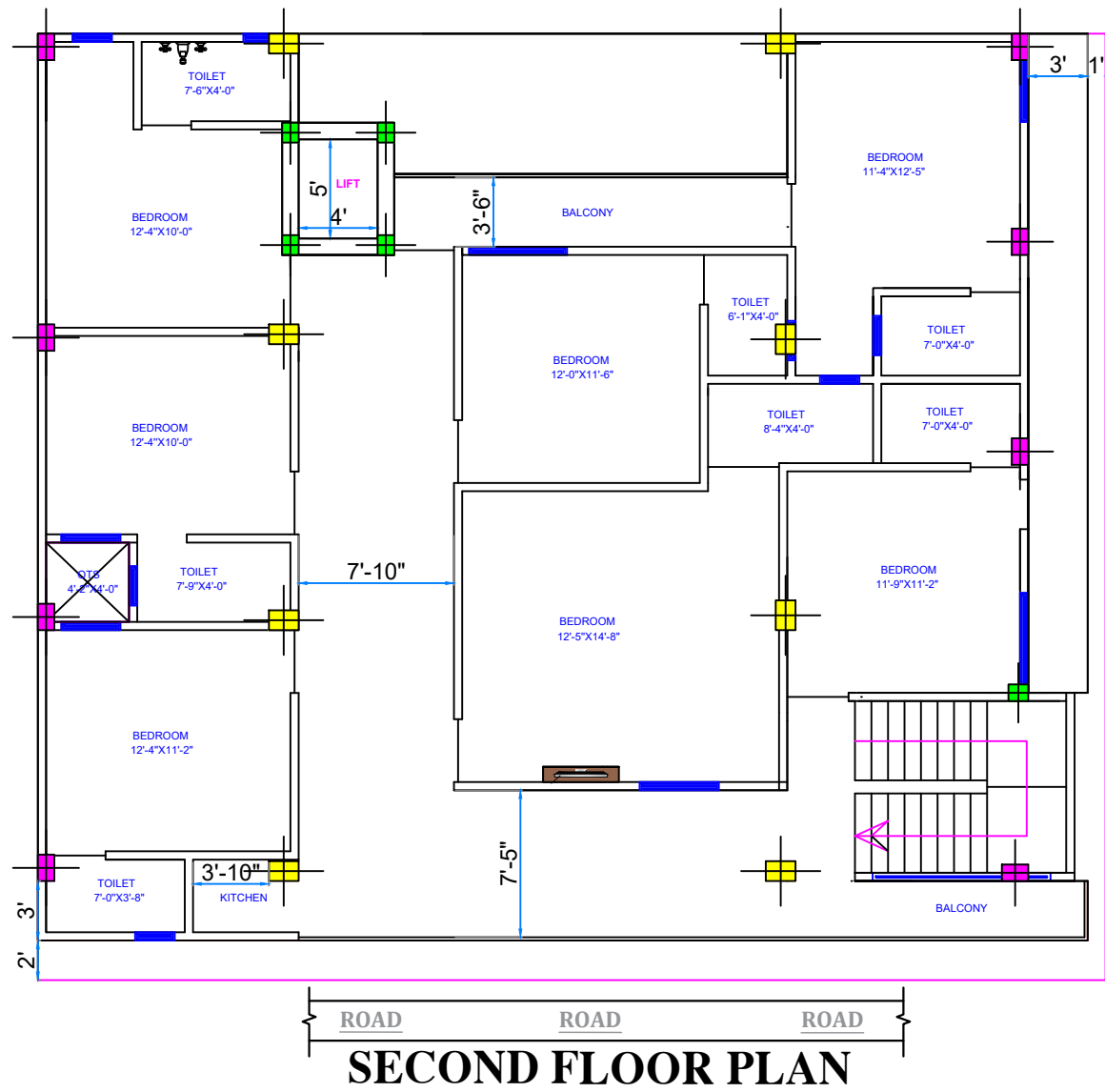
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|---------------|--|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 8B. ROOF BEAM PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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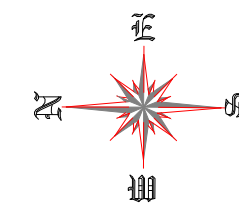


DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



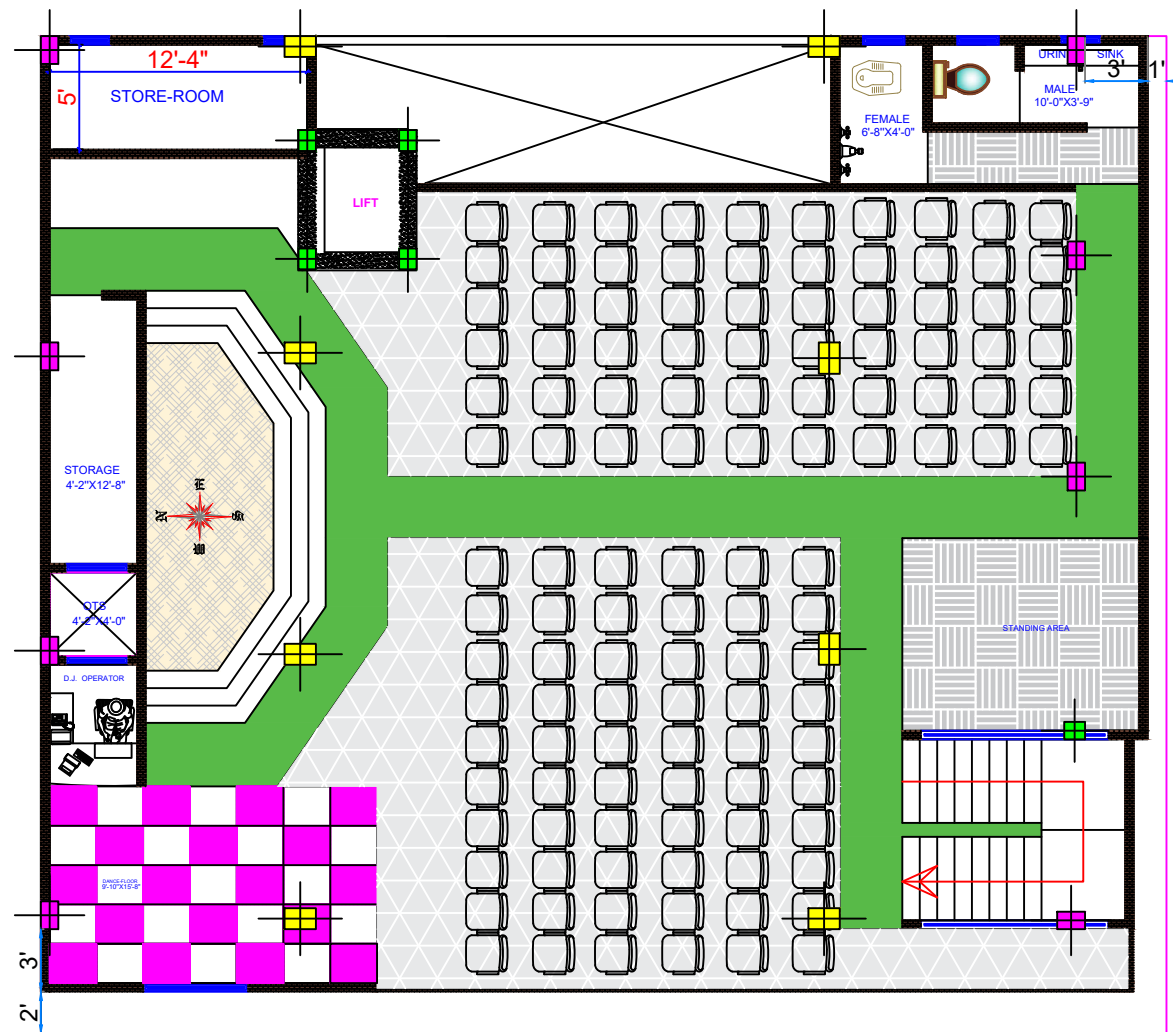
| | |
|---------------|--|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 8C. ROOF BEAM PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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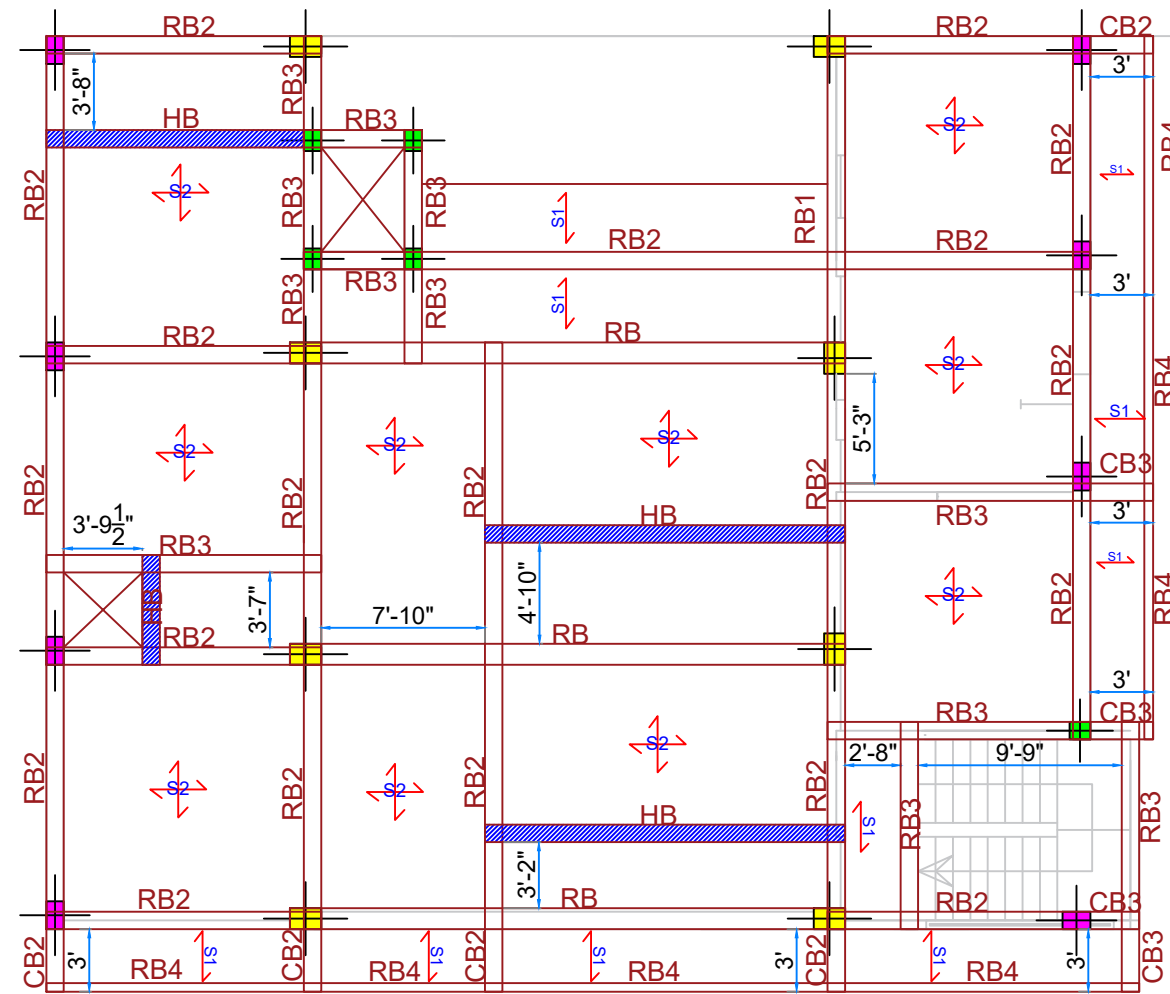


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THIRD FLOOR PLAN



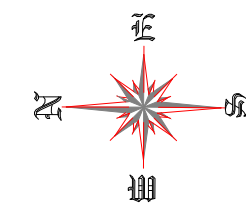
THIRD FLOOR ROOF BEAM SLAB PLAN

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
4. The lap length of 50D should be ensured
5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : **8C. ROOF BEAM PLAN**

Date of Issue : *22/02/2026*

CHECKED By : *Er. R.K*

Drawn By : *Er. R.K*

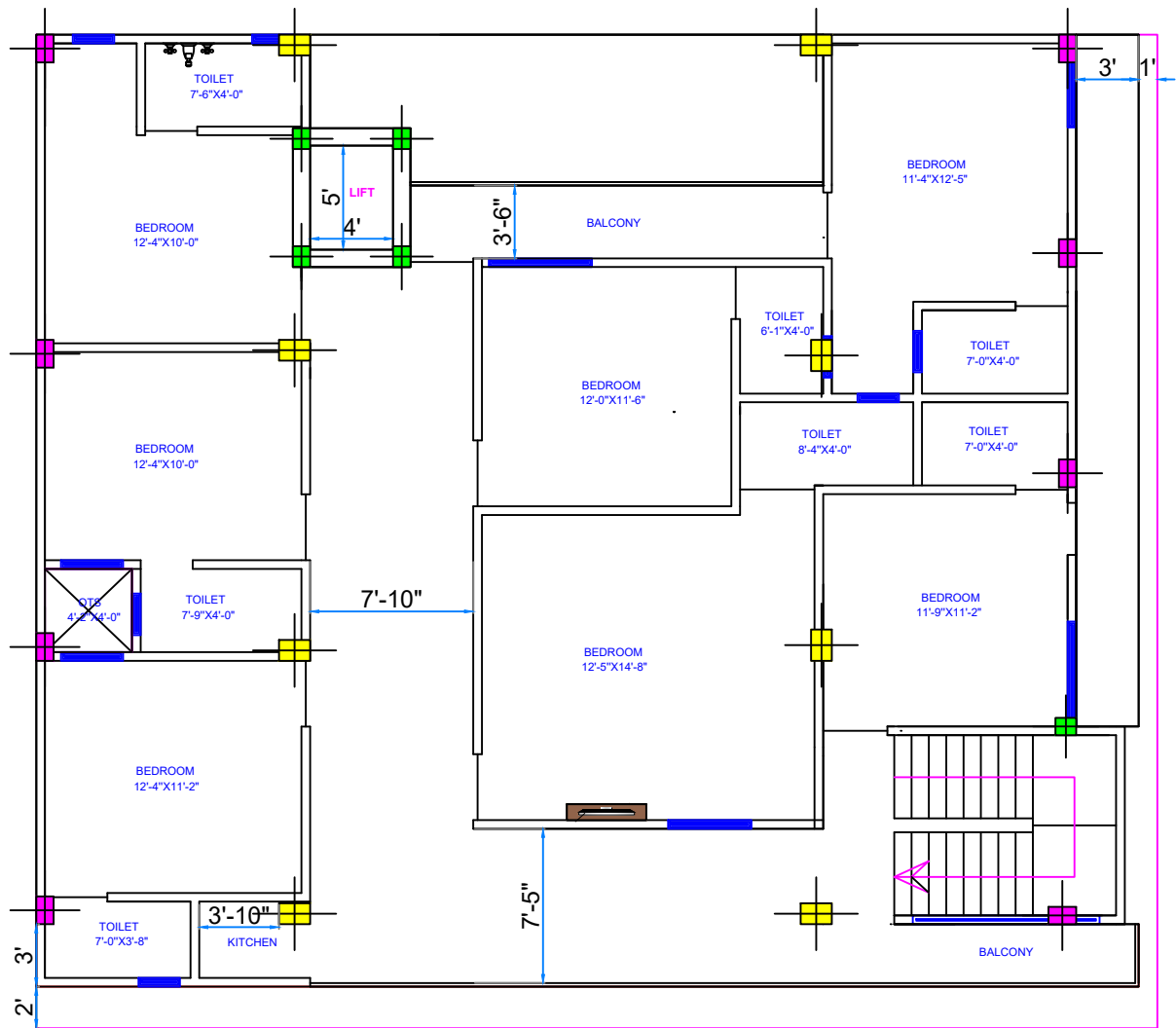
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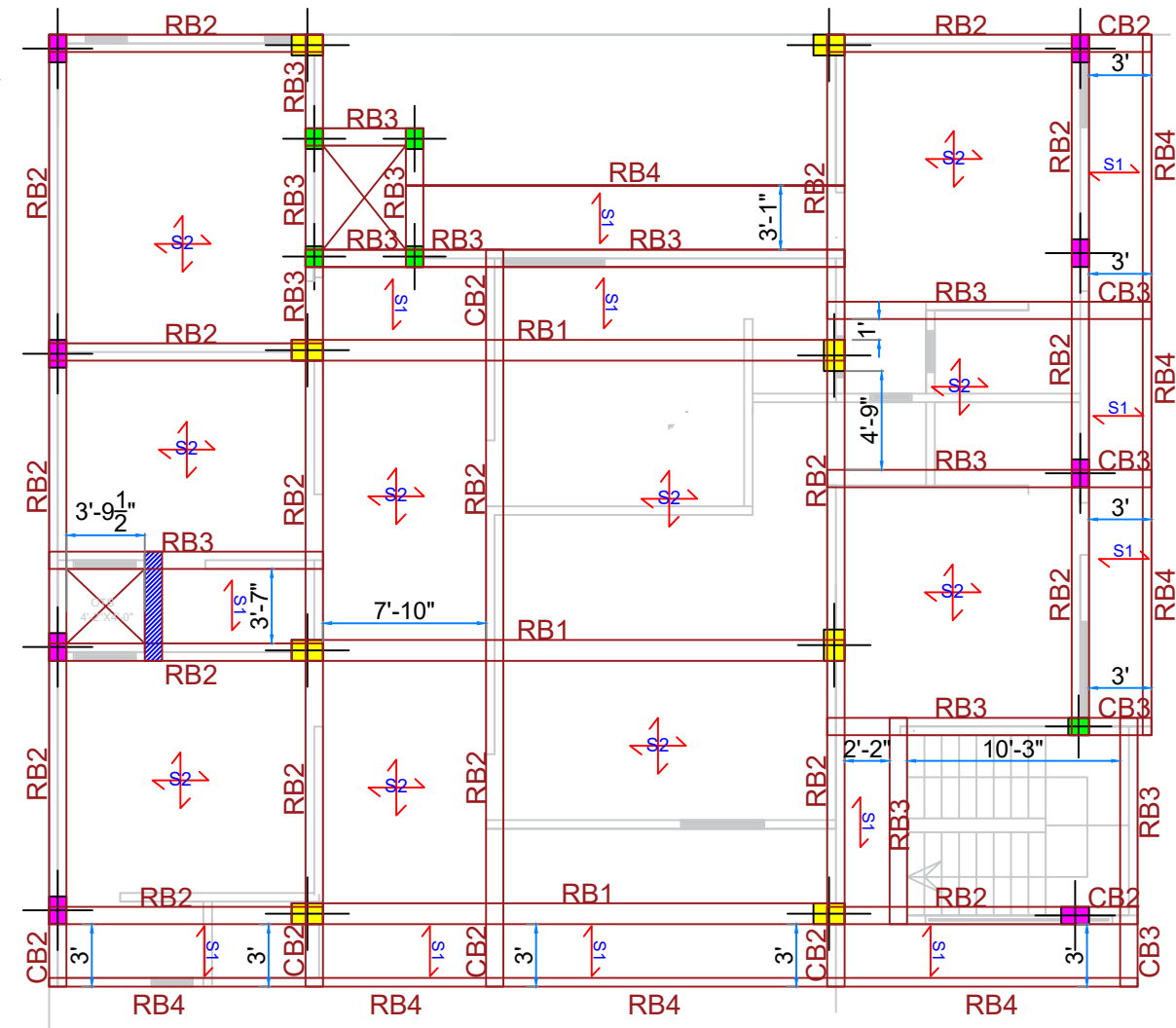


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FOURTH FLOOR PLAN



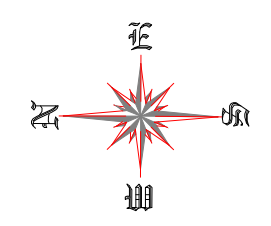
FOURTH FLOOR ROOF BEAM SLAB PLAN

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
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5. The plinth beam should be tested or pedestal only
6. The plinth beam should be in perfect horizontal beam .

NOTE

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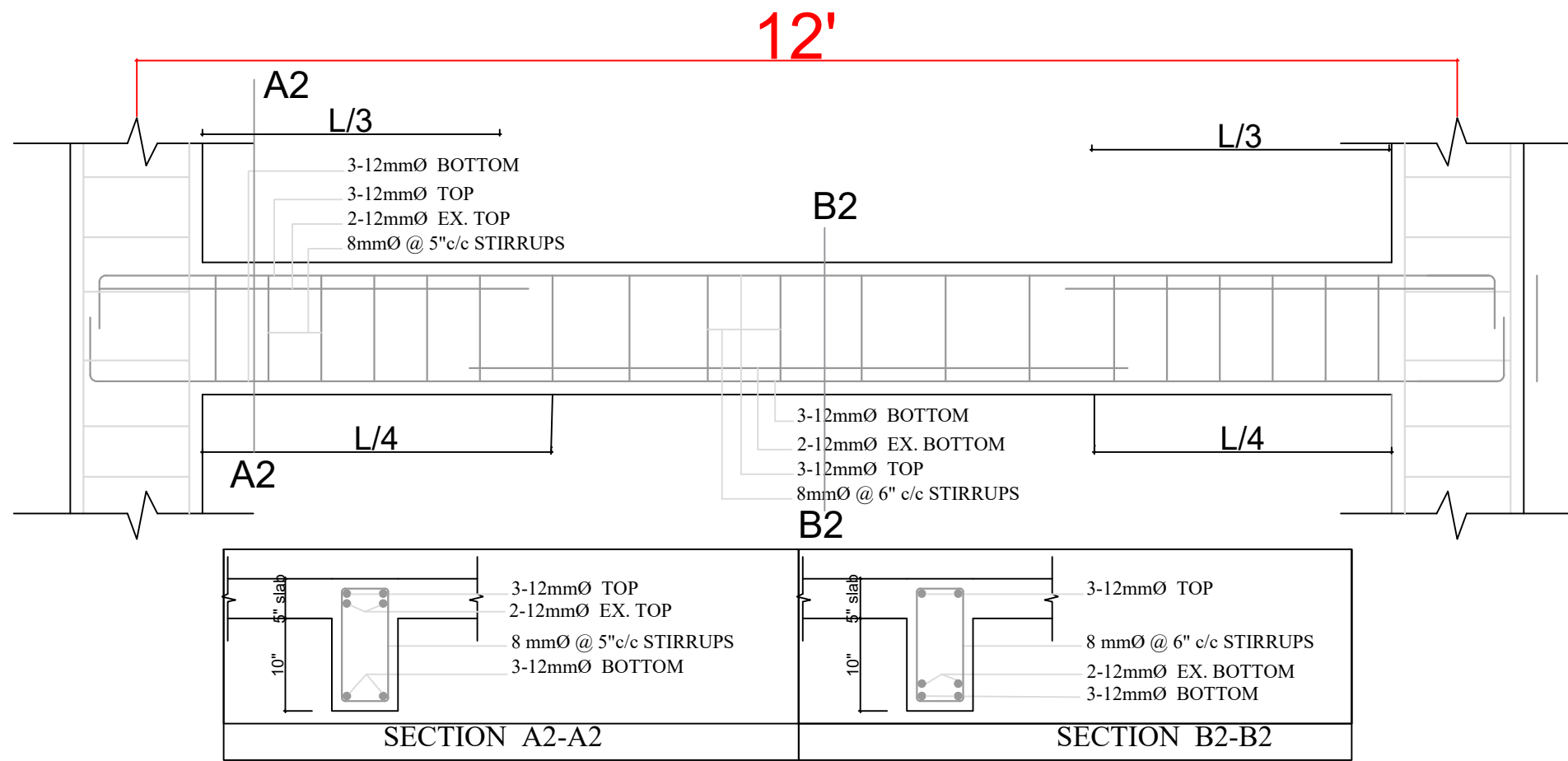
| | |
|---------------|--|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 8D. ROOF BEAM PLAN |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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TYPICAL PLAN AND SECTION B-B'

SCHEDULE OF ROOF BEAM

| NAME | SIZE (IN) THICKNESS X DEPTH | REIN. AT TOP | REIN. AT BOTTOM | EXTRA BOTTOM | EXTRA TOP | RINGS | |
|------|--------------------------------|--------------|-----------------|--------------|-----------|--------------|--------------|
| | | | | | | UP TO L/3 | AFTER L/3 |
| RB | 12" x 18" | 2-20 TMT | 2-20 TMT | 2-16 TMT | 2-16 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |
| RB1 | 10" x 18" | 2-16 TMT | 3-16 TMT | 2-12 TMT | 2-12 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |
| RB2 | 10" x 15" | 3-12 TMT | 3-12 TMT | 2-12 TMT | 2-12 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |
| RB3 | 10" x 15" | 2-12 TMT | 3-12 TMT | 2-12 TMT | 2-12 TMT | 8 # @ 5" C/C | 8 # @ 6" C/C |
| RB4 | 5" x 15" | 2-12 TMT | 2-12 TMT | - | - | 8 # @ 5" C/C | 8 # @ 6" C/C |
| CB2 | 10" x 15" | 3-12 TMT | 3-12 TMT | - | 2-12 TMT | 8 # @ 4" C/C | 8 # @ 5" C/C |
| CB3 | 10" x 15" | 2-12 TMT | 3-12 TMT | - | 2-12 TMT | 8 # @ 4" C/C | 8 # @ 5" C/C |
| HB | 10" x 5" | 2-12 TMT | 2-12 TMT | - | - | 8 # @ 5" C/C | 8 # @ 6" C/C |

SLAB DETAILS

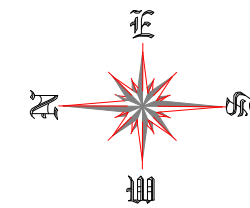
| SLAB NO. | THK. (IN) | SHORT SPAN | LONG SPAN | REMARK |
|----------|-----------|---------------|---------------|---------|
| S1 | 5" | 10 Ø @ 6" C/C | 8 Ø @ 7" C/C | One Way |
| S2 | 5" | 10 Ø @ 6" C/C | 10 Ø @ 6" C/C | Two Way |

DESIGN DETAILS

- CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
- Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
- All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
- The lap length of 50D should be ensured
- The plinth beam should be tested or pedestal only
- The plinth beam should be in perfect horizontal beam .

NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : **9. ROOF BEAM SCHEDULE AND SECTION**

Date of Issue *22/02/2026*

CHECKED By *Er. R.K*

Drawn By *Er. R.K*

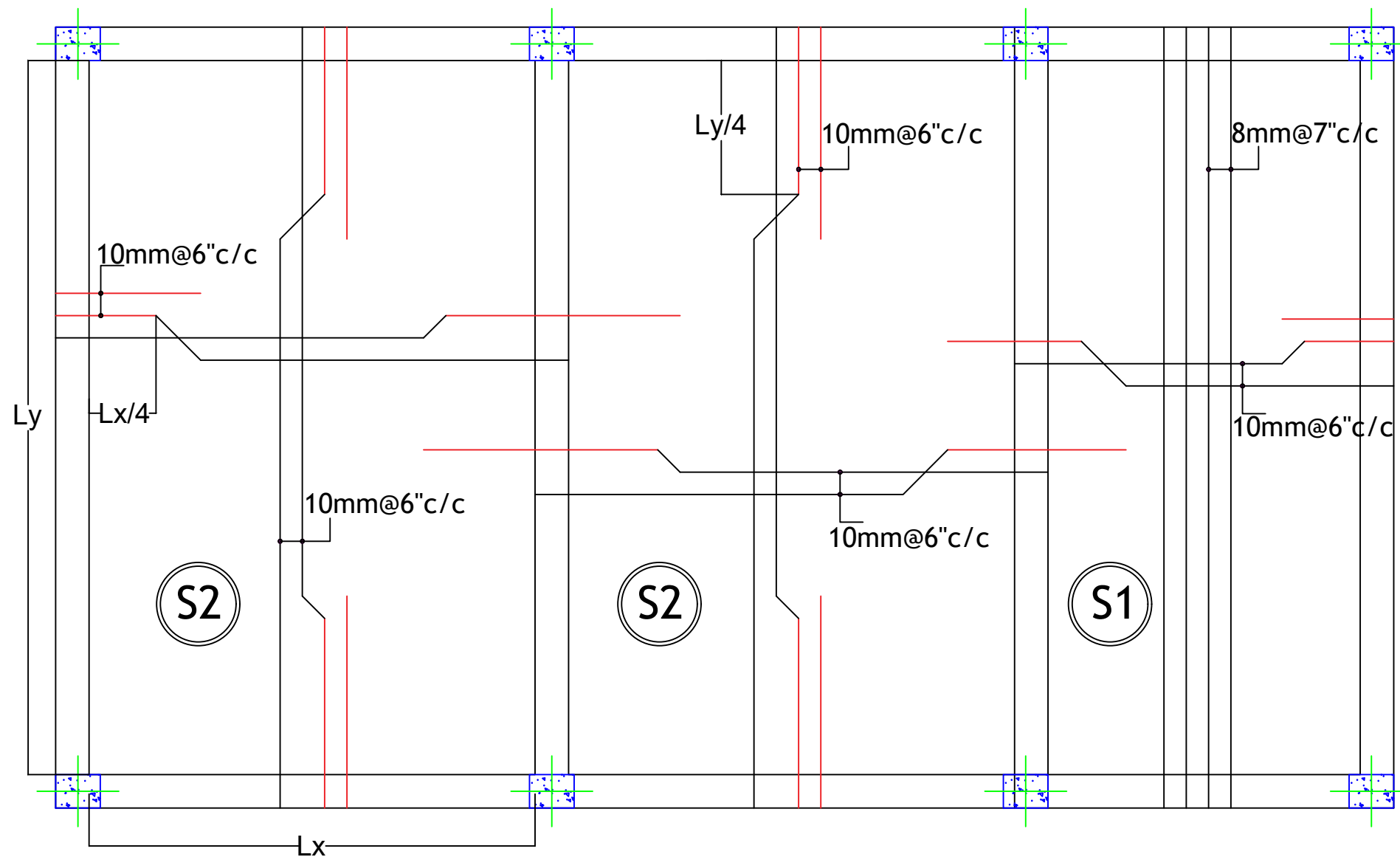
Phones: +918789740806

Email : Designhousemaker@gmail.com

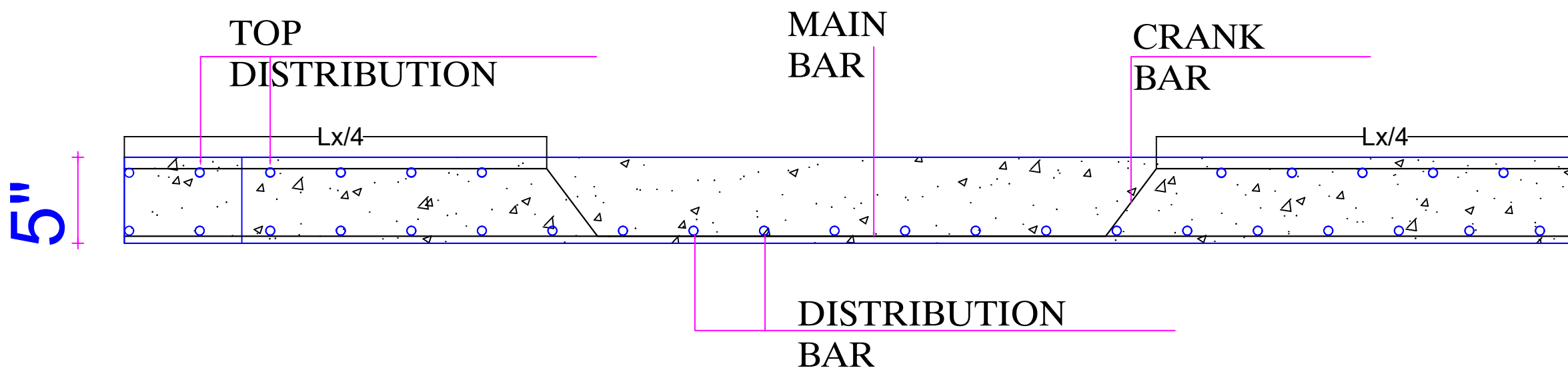


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TYPICAL SECTION VIEW OF SLAB PANEL



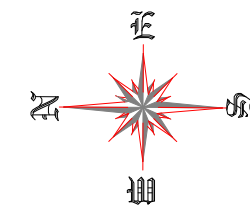
TYPICAL SECTION VIEW OF SLAB PANEL

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



| | |
|---------------|---|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 10.SLAB PLAN AND SECTION |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

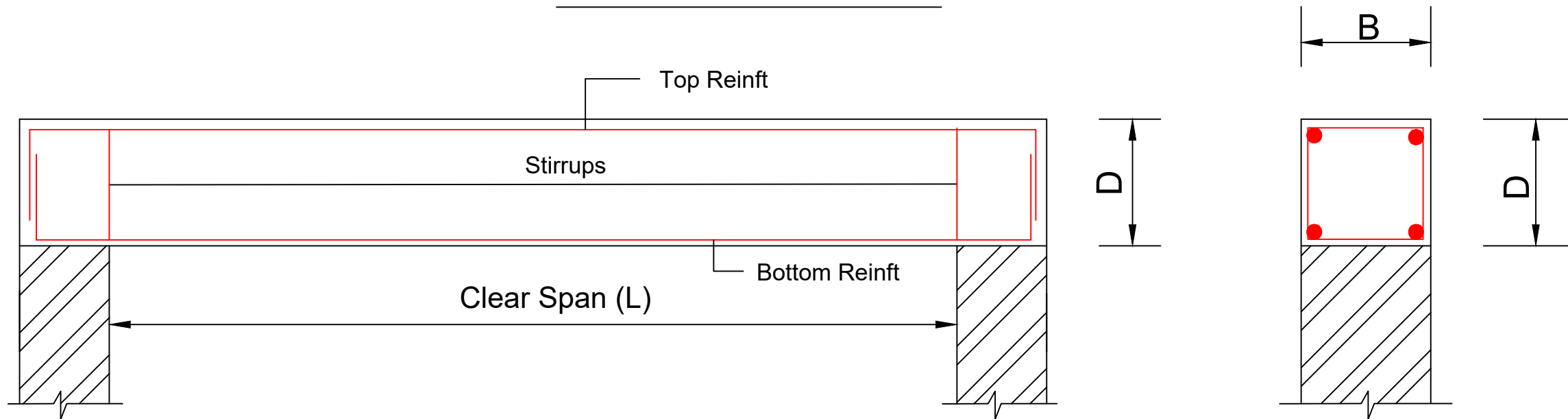
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LINTEL DETAILS



| Clear Span (L) (in) | Breadth(B) (in) | Depth(D) (in) | Top Reinf't | Bottom Reinf't | Links/ Stirrups |
|------------------------|--------------------|------------------|--------------|----------------|-------------------------|
| 3' | 10"/5" | 4"-5" | 2 NOS 10 TMT | 2 NOS 10 TMT | 8MM RINGS - @ 150MM c/c |
| 3' - 6' | 10"/5" | 5" | 2 NOS 12 TMT | 2 NOS 12 TMT | 8MM RINGS - @ 150MM c/c |
| 6' - 12' | 10"/5" | 6" | 2 NOS 12 TMT | 2 NOS 12 TMT | 8MM RINGS - @ 150MM c/c |
| 12' - 14' | 10"/5" | 7" | 3 NOS 12 TMT | 3 NOS 12 TMT | 8MM RINGS - @ 150MM c/c |

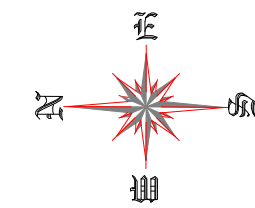
NOTE: LINTEL WILL BE AT 7' TO 8' HEIGHT ON ALL THE WALLS AS PER NEED
 NOTE: IF WALL BREADTH IS 10" THAN 10" WILL BE THE BREADTH OF LINTEL BEAM
 AND IF WALL BREADTH IS 5" THAN BREADTH OF LINTEL BEAM WILL BE 5".

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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PROJECT: *Proposed Residential Layout For Mr. Rajesh JI*

TITLE: **12.LINTEL DETAIL**

Date of Issue: *22/02/2026*

CHECKED By: *Er. R.K*

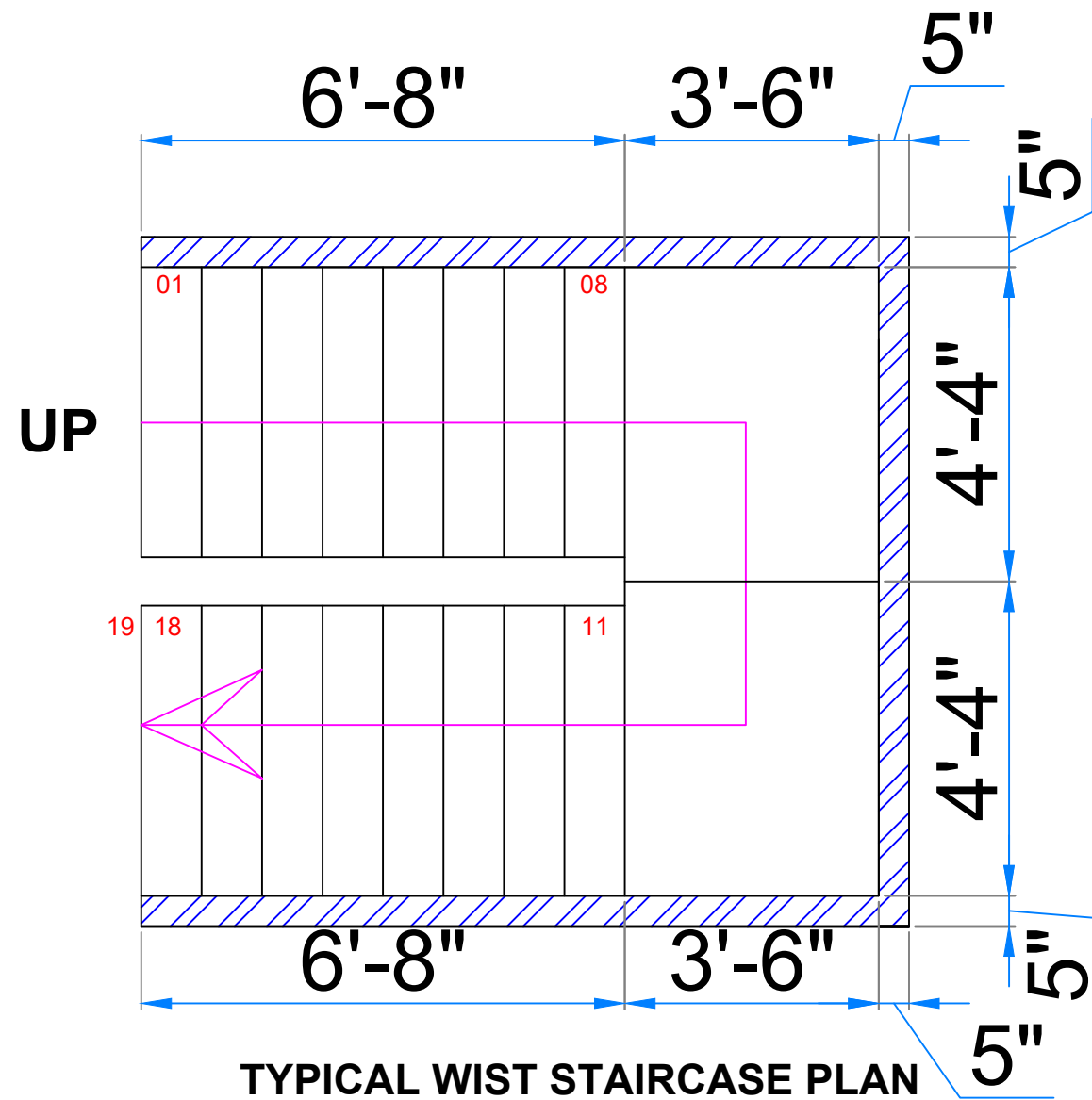
Drawn By: *Er. R.K*

Phones: [+918789740806](tel:+918789740806)
 Email : Designhousemaker@gmail.com

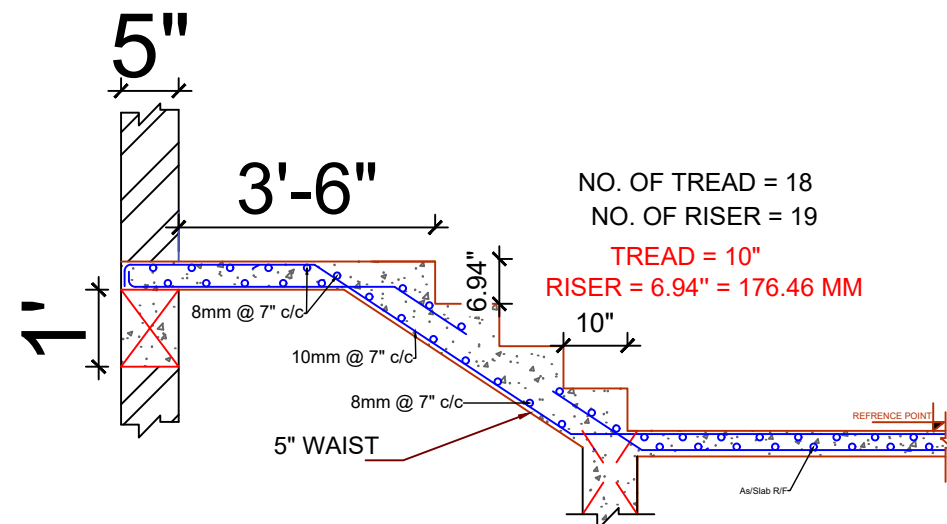


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TYPICAL WIST STAIRCASE PLAN



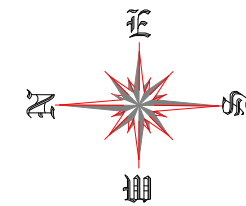
TYPICAL WAIST STAIRCASE RCC DETAILS
Clear Height 10'-7"

DESIGN DETAILS

1. CLEAR COVER TO REINFORCEMENT FOR FOOTINGS
40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
3. All the precautions such as Water cement ratio and workability of the concrete should be ensured at the site.
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NOTE

Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



PROJECT : *Proposed Residential Layout For Mr. Rajesh JI*

TITLE : **11. STAIRCASE DETAIL**

Date of Issue *22/02/2026*

CHECKED By *Er. R.K*

Drawn By *Er. R.K*

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#. CONCRETE.

AS PER IS 456 : 2000

IS 456-2000 CODE FOR PCC AND RCC .

THE MAXI. SIZES OF AGGREGATE USED IN RCC IS LIMITED TO 20 MM

HOWEVER 10 mm ,15 mm are also used, in some expectations 25 mm is also used .

#. REINFORCING STEEL

1. AS PER IS 800-2007

2. REINFORCEMENT SHALL BE USED TMT BARS .

3. TMT Bars - Thermo-Mechanical Treated Bars STEEL

4.TMT BAR GRADE Fe-500, Fe-550D OR HIGHER GRADE STEEL.

5.TMT steel bars from different brands like TATA, Jindal, JSW and more

#. TWO LAYERS OF BITUMENOUS PAPER TO BE PROVIDED ON SUPPORTS UNDER SLABS, BEAMS AND LINTELS.

#. STRUCTURE DRAWINGS ARE DESIGN ACCORDING TO IS CODE .

.LAPPING LENGTH SHOULD BE PROVIDED 48D -50D (D-DIA OF BAR) ,

#. MINIMUM SPACING BETWEEN LONGITUDINAL BARS SHOULD BE 2 INCHES OR 50 MM .

NOTE- Types of Formwork (Formwork removal time after casting of Concrete)

1. Vertical Formwork of Column, beam, and wall - 16 Hours to 24 hours

2.Props removal for beams and arches

#.Span length up to 6m -14 Days

#.Span length beyond 6m -21 Days

3.Props removal for slab

#.Span length up to 4.5m -7 days

#.Span length beyond 4.5m -14 days

NOTE- Curing Time For :

1. PCC (Plain Cement Concrete) - 14 days

2.RCC (Reinforced Cement Concrete) :- 10 days

3.FLOORING :- 10 days

4. Plastering & Pointing : - 7 days

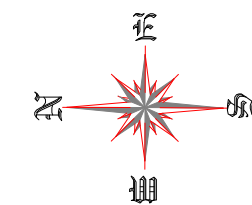
5. Brick & Stone Work :- 7 days

DESIGN DETAILS

- 1.CLEAR COVER TO REINFORCEMENT FOR FOOTINGS 40 mm, COLUMNS 40 mm, BEAMS 25 mm, SLAB 20 mm
Grade Rcc of concrete is M-20.
2. Reinforcement steel to be used is a IS1786 and grade of steel should be Fe -500 or Higher.
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Though the structural design was prepared as per room dimension it is important to check the center lines with respect to sizes of rooms before proceeding for excavation.



| | |
|---------------|--|
| PROJECT : | Proposed Residential Layout For Mr. Rajesh JI |
| TITLE : | 13.CONTRACTOR NOTES |
| Date of Issue | 22/02/2026 |
| CHECKED By | Er. R.K |
| Drawn By | Er. R.K |

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