

**Our Services**  
 Architecture Design  
 Structure Design  
 Interior Design  
 Estimating & Costing  
 Building Construction With Material

Outer Wall- 10"  
 Inner Wall- 05"

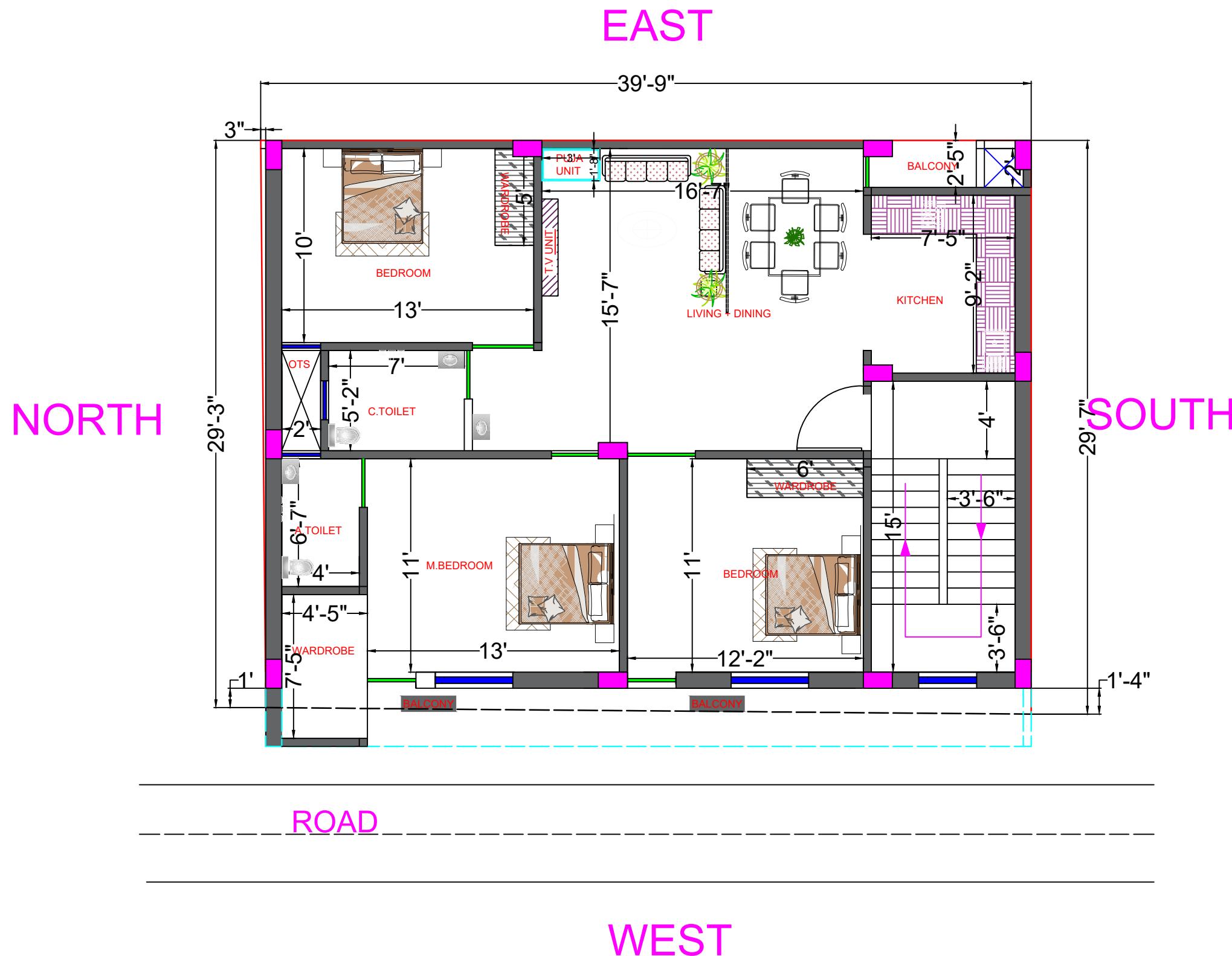
**Details Of Stair:-**  
 Ceiling Height :- 10'  
 Height Of Stair:- 5'  
 Height Of Riser:- 6"  
 Width Of Trade :- 10"  
 Width Of Stair :- 3'-6"  
 Width Of Landing :- 3'-6"  
 Steps Of Stair :- 18

CLIENT :- Mr. KUNAL BHASKAR

PROJECT : GROUND FLOOR PLAN

|               |                           |        |          |
|---------------|---------------------------|--------|----------|
| SCALE:-       | 1:100                     | ISSUED | 30.10.25 |
| Plan Number:- | 01                        |        |          |
| Design By     | Ar. Soni Kumari           |        |          |
| Checked By    | Er. Jayprakash Kumar      |        |          |
| Approved By   | Jaypro Infratech Pvt.Ltd. |        |          |

Jaypro Infratech Pvt.Ltd.  
 Office Address: 1st Floor, Pandooi  
 Place, Boring Road, Patna- 80001



**Our Services**  
 Architecture Design  
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Outer Wall- 10"  
 Inner Wall- 05"

| SCHEDULE OF DOOR & WINDOWS |      |   |               |
|----------------------------|------|---|---------------|
| SP                         | L    | B | H             |
|                            |      |   | SILL H.       |
| MD                         | 4'0" |   | 07'00" 00'00" |
| D                          | 3'6" |   | 07'00" 00'00" |
| D1                         | 3'0" |   | 07'00" 00'00" |
| D2                         | 2'6" |   | 07'00" 00'00" |
| W1                         | 4'0" |   | 04'00" 03'00" |
| W2                         | 3'0" |   | 04'00" 03'00" |
| V                          | 2'0" |   | 01'06" 08'06" |

**Details Of Stair:-**  
 Ceiling Height :- 10'  
 Height Of Stair:- 5'  
 Height Of Riser:- 6"  
 Width Of Trade :- 10"  
 Width Of Stair :- 3'-6"  
 Width Of Landing :- 3'-6"  
 Steps Of Stair :- 18

CLIENT :- Mr. KUNAL BHASKAR

PROJECT :FIRST FLOOR PLAN

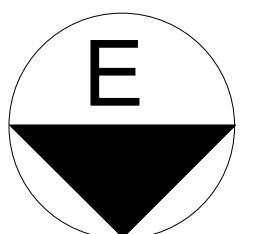
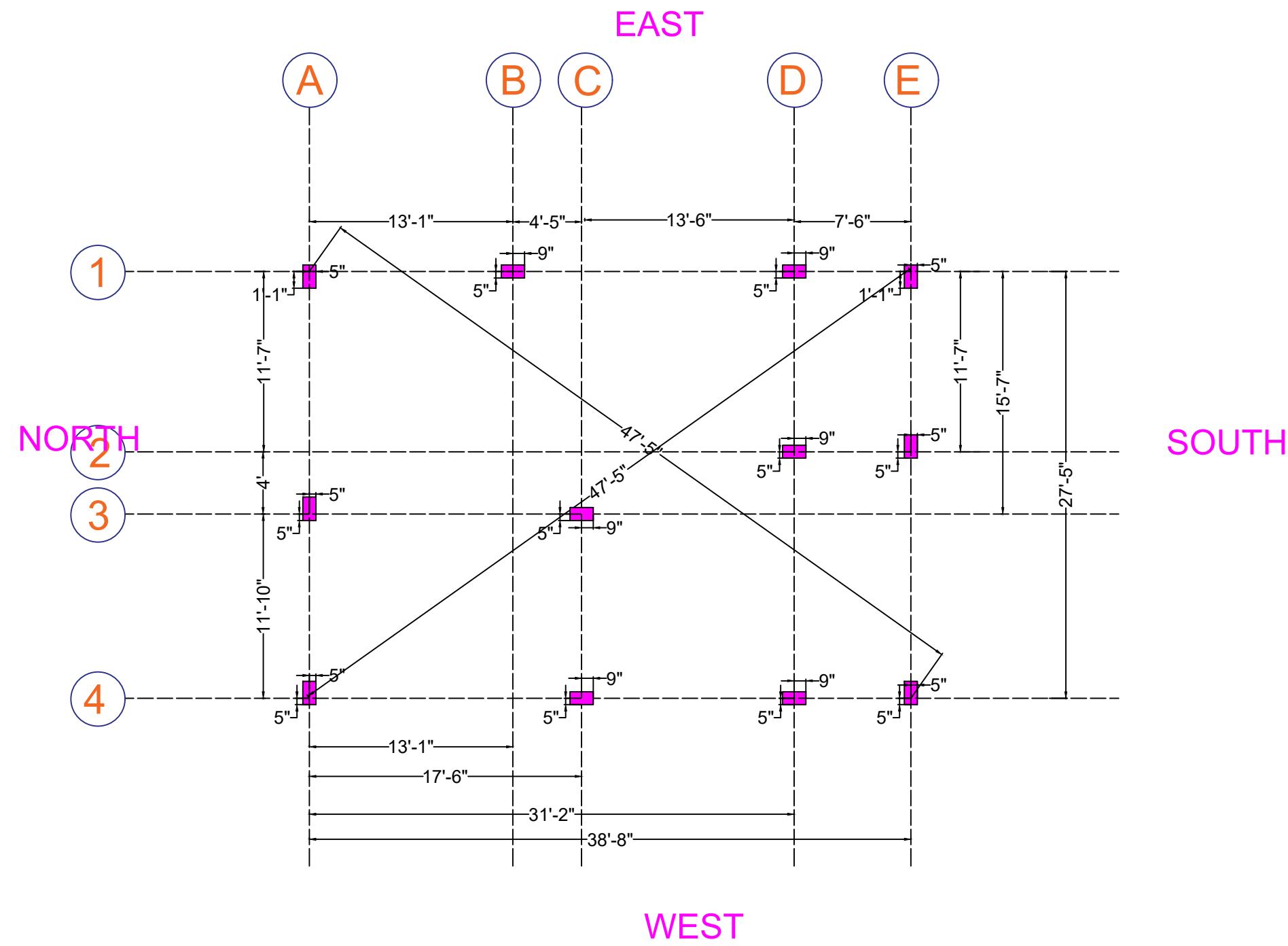
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| SCALE:-       | 1:100                     | ISSUED | 03.11.25 |
| Plan Number:- | 01                        |        |          |
| Design By     | Ar. Soni Kumari           |        |          |
| Checked By    | Er. Jayprakash Kumar      |        |          |
| Approved By   | Jaypro Infratech Pvt.Ltd. |        |          |

Jaypro Infratech Pvt.Ltd.

Office Address: 1st Floor, Pandooi Place, Boring Road, Patna- 80001

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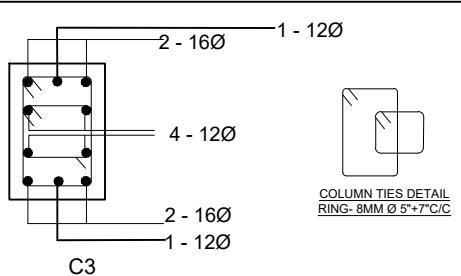
CLIENT :- Mr. KUNAL BHASKAR

PROJECT :- Column Layout Details

|               |                           |        |          |
|---------------|---------------------------|--------|----------|
| SCALE:-       | 1:100                     | ISSUED | 12.04.25 |
| Plan Number:- | 01                        |        |          |
| Design By     | Er. Rishav Kumar          |        |          |
| Checked By    | Er. Jayprakash Kumar      |        |          |
| Approved By   | Jaypro Infratech Pvt.Ltd. |        |          |

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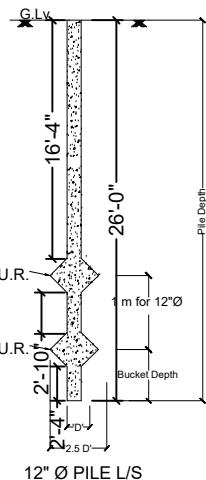
C3-(10"X18")

EAST

NORTH

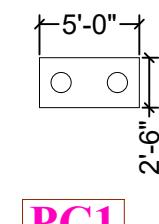
SOUTH

WEST

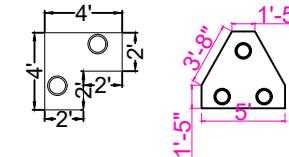


12"Ø Pile  
Ver. Rods as details  
8"Ø Circular Ring as details

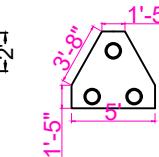
TYPICAL PILE C/S



PC1



PC2



PC3

### PILE DETAILS

| Pile | DIA | DEPTH | DIA OF UR | No. OF UR | STEEL    | RINGS          | No. of Piles |
|------|-----|-------|-----------|-----------|----------|----------------|--------------|
| PC-1 | 12" | 26ft  | 30"       | 2         | 5-T12 mm | T8 mm @ 8" c/c | 26           |

### PILE CAP DETAILS

| Pile Cap | Pile Dia | Pile Cap Size  | Pile Cap Depth (inch) | (Bottom Layer Mat)            |                                | (Top Layer Mat-Inverted)      |                                | Pile Group        |
|----------|----------|----------------|-----------------------|-------------------------------|--------------------------------|-------------------------------|--------------------------------|-------------------|
|          |          |                |                       | Main Steel (b') (Lower Level) | Dist. Steel (t') (Upper Level) | Main Steel (b') (Upper Level) | Dist. Steel (t') (Lower Level) |                   |
| Pc-1     | 12"      | 5x2x6"         | 18"                   | T10 @ 6" c/c                  | T8 @ 6" c/c                    | T10 @ 6" c/c                  | T8 @ 6" c/c                    | 8- 12"Ø Pile Grp. |
| Pc-2     | 12"      | 4x2"           | 18"                   | T10 @ 6" c/c                  | T8 @ 6" c/c                    | T10 @ 6" c/c                  | T8 @ 6" c/c                    | 4- 12"Ø Pile Grp. |
| Pc-3     | 12"      | 5x1.5x3.8x1.5" | 18"                   | T10 @ 6" c/c                  | T8 @ 6" c/c                    | T10 @ 6" c/c                  | T8 @ 6" c/c                    | 2- 12"Ø Pile Grp. |

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**TECHNICAL NOTES & INSTRUCTIONS:**

- NOTES AND INSTRUCTIONS INDICATED BELOW SHALL BE FOLLOWED WITH DUE RESPONSIBILITY BY ENGINEER IN CHARGE DURING EXECUTION OF THE PROJECT.
- THE DRAWINGS CONTAINING THE DESIGN INFORMATION ARE THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOT REMOVE THE DRAWINGS FROM THE WORK SITE.
- ALL DRAWINGS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
- ONLY STEEL SHUTTERING CENTERING SHALL BE USED AT WORK SITE FOR CONSTRUCTION OF R.C.C. FRAMES & DRAINS.
- QUALITY OF CEMENT AND PROPORTION OF MATERIALS TO BE USED IN CONCRETING I.E. WATER / CEMENT / SAND / CHIPS SHALL BE STRICTLY AS PER DESIGN MIX REPORT.
- IN CASE OF PILE FOUNDATION HAVING HIGH WATER TABLE USE BENTONITE SOLUTION, CASING AND SHUTTERING SHALL BE SPANNED AND THE ENGINEER IN CHARGE SHALL TAKE FINAL DECISION AS PER ACTUAL SITE CONDITION.
- ALL CONCRETE SHALL BE MACERATED, MIXED AND PLACED BY COMPACTOR BY VIBRATOR.
- DO NOT USE VIBRATOR FOR CONCRETE TO AVOID REINFORCEMENT BENDING.
- FOR FOUNDATION = 50, PILE CAP = 75, COLUMN = 40, BEAM = 30 AND SLAB = 25mm HALL BE PROVIDED.
- PROVIDE PROTECTION FOR R.C.C. SLAB / COLUMN FOUNDATION B/W PLASTER ITC. SHALL BE PROVIDED.
- PROPER ARRANGEMENT FOR SOAKING OF BRICKS SHALL BE ENSURED BY FIELD ENGRS.
- BEFORE PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPANNED OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONCRETE.
- REINFORCEMENT LENGTH SHALL BE MEASURED FROM CUT OFF LV / EXISTING G.L.
- LDT - EFFECTIVE DEVELOP LENGTH CONSIDERING TENSION 40X BAR Dia.
- LDC - EFFECTIVE DEVELOP LENGTH CONSIDERING COMPRESSION 39X BAR Dia.
- LAP SPICE IN BEAM SPAN LESS THAN 12M SHALL BE PROVIDED AS APPROVED STR. DRG.
- LAP SPICE IN BEAM SPAN GREATER THAN 12M SHALL BE PROVIDED AS APPROVED STR. DRG.
- GRID LINE SHOWS/C OF WALES.
- THE CENTER OF BEAMS & SLAB BEAMS & SLAB SHALL BE SO ASSEMBLED AS TO PROVIDE CAMBER AS FOLLOWS -

  - CAMBER FOR NORMAL BEAMS SHALL BE 1 IN 250 OF THE SPAN OR JAMB PER METER OF SPAN.
  - FOR CANTILEVER BEAMS SLAB CAMBER AT THE FREE END SHALL BE SPAN / 50 OF THE PROJECT LENGTH.
  - REINFORCED CONCRETE FORM WORK SHALL BE CHECKED PROPERLY TO AVOID ANY DEFLECTION.
  - REINFORCED CONCRETE FORM WORK SHALL BE CHECKED BY E.E./A.E.
  - IN FRAME STRUCTURE ALL EXTERNAL STAIR WALL SHALL BE 10MM THICK AND INTERNAL WALL 8MM THICK EXCEPT 12MM.
  - NECESSARY ARRANGEMENTS SHALL BE MADE FOR PLINTH PROTECTION OF BUILDING AT LEVEL DECIDED BY E.E. TO AVOID WATER LOGGING AROUND BUILDING THE WIDTH SHALL BE DECIDED BY E.E.
  - WATER PROOFING COMPOUND SHALL BE USED IN CASTING OF SUNKEN SLAB & TERRACE FLOOR SLAB TO PREVENT SEEPAGE.
  - ALL CONCRETE MIXES GRADE M-25 HAVING MINIMUM CEMENT CONTENT 300 kg/m<sup>3</sup>, Max. W/C = 0.5 FOR COARSE AGGREGATE 20 mm SIZE CASTING SHOULD BE DONE AS PER MIX DESIGN.
  - OR T INDICATES USD BARS OF GRADE Fe-500.

THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.

**NOTES -**

- ALL CONCRETE MIX M-25 UNLESS OTHERWISE SPECIFIED.
- ALL TON STEEL YIELD STRENGTH 500 N/mm<sup>2</sup>.
- CLEAR COVER TO MAIN STEEL 50 MM IN PILES 40mm IN COLUMN.
- DEPTH OF PILES SHALL BE MEASURED FROM CUT OFF LV / EXISTING G.L. WHICH EVER IS LOWER.
- CUT - OFF LV. OF ALL PILES SHALL BE AT BOTTOM OF PILE CAP ITSELF.
- PILE SHALL BE CASTED 300 MM ABOVE CUT OFF LV. THEN IT SHALL BE CHIPPED OFF UPTO CUT OFF LV.
- 500 MM LENGTH OF MAIN BAR FROM PILE EXTEND BEYOND CUT OFF LV. TO BE EMBEDDED INTO PILE CAPS.
- CENTRE OF PILE GROUP SHALL MATCH WITH CENTER OF COLUMN.

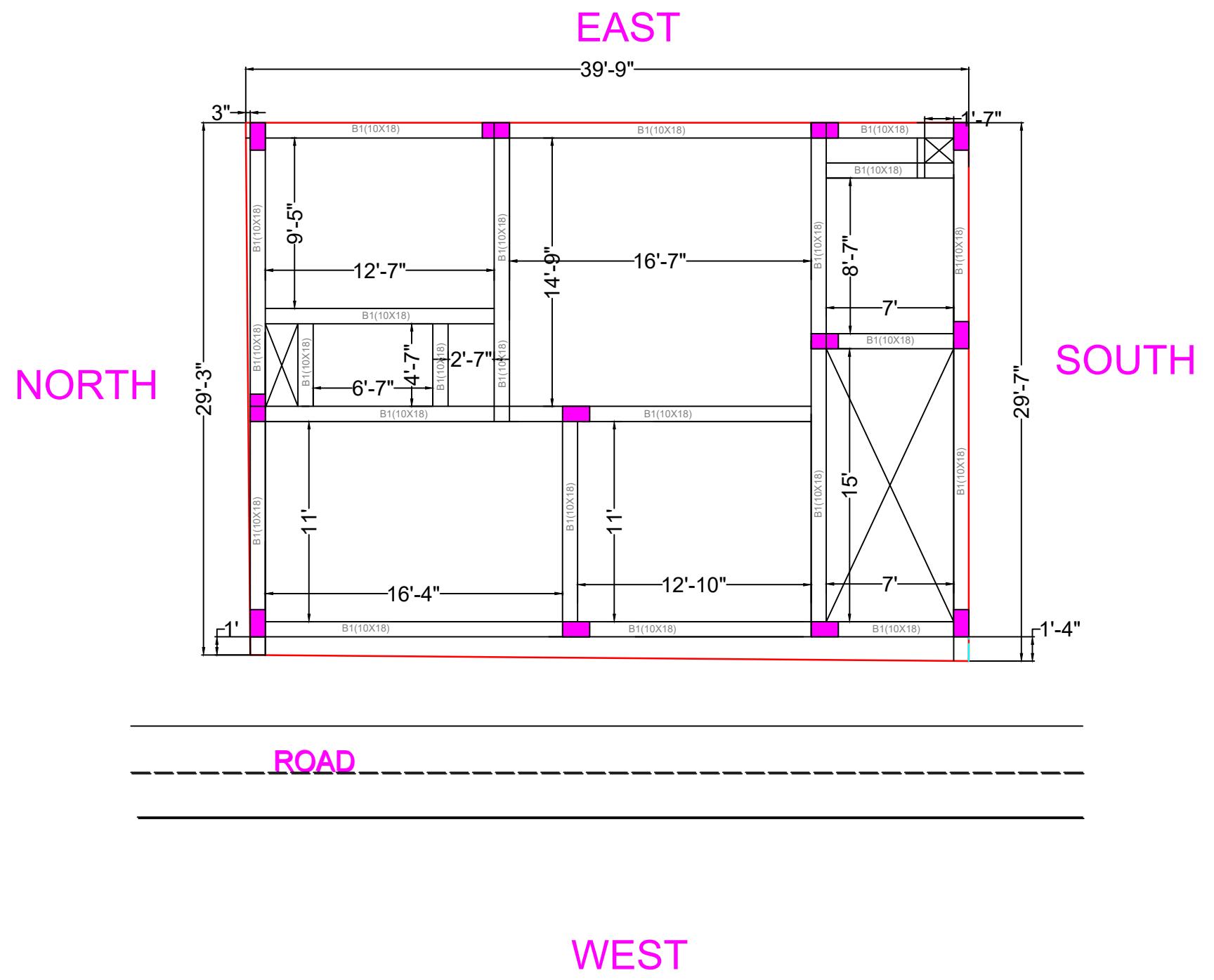
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Client :- Mr. KUNAL BHASKAR

Design :- PILE & PILE CAP DETAILS

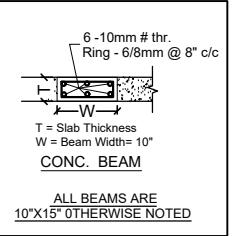
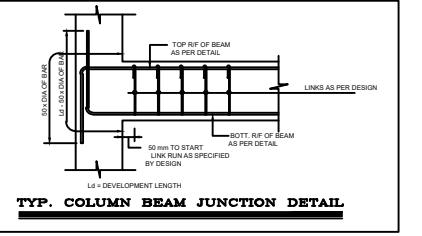
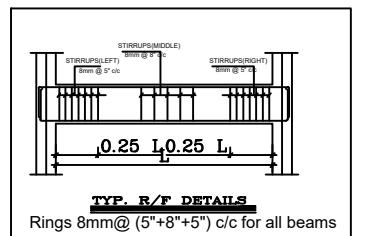
| SCALE :     | 1:100                      | Issue | 12.04.2025 |
|-------------|----------------------------|-------|------------|
| Plan Number | 01                         |       |            |
| Design By   | Er.Rishav Kumar            |       |            |
| Checked By  | Er.Jayprakash Kumar        |       |            |
| Approved By | Jaypro infratech Pvt. Ltd. |       |            |

JAYPRO INFRATECH PVT. LTD.  
Office Address: 1st Floor, Pandooi Place, Boring Road, Patna- 80001



**TYP. BEAM SECTION**  
Rings 8mm@ (5"+8"+5") c/c for all beams

| BEAM REINFORCEMENT INDEX |      |     |               |              |             |              |           |           |
|--------------------------|------|-----|---------------|--------------|-------------|--------------|-----------|-----------|
| BEAM MKD                 | SIZE |     | REINFORCEMENT |              |             |              | STIRRUPS  |           |
|                          |      |     | TOP REINF.    |              | BOT. REINF. |              |           |           |
|                          | B    | D   | TOP.M (t1)    | TOP.EXT (t2) | BOT.M (b1)  | BOT.EXT (b2) | S1        | S2        |
| B3                       | 10"  | 18" | 2-T16         | 2-T12        | 3-T16       | 2-T12        | T8@5" c/c | T8@5" c/c |



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Mr KUNAI BHASKAR

#### GROUND FLOOR TIE BEAM

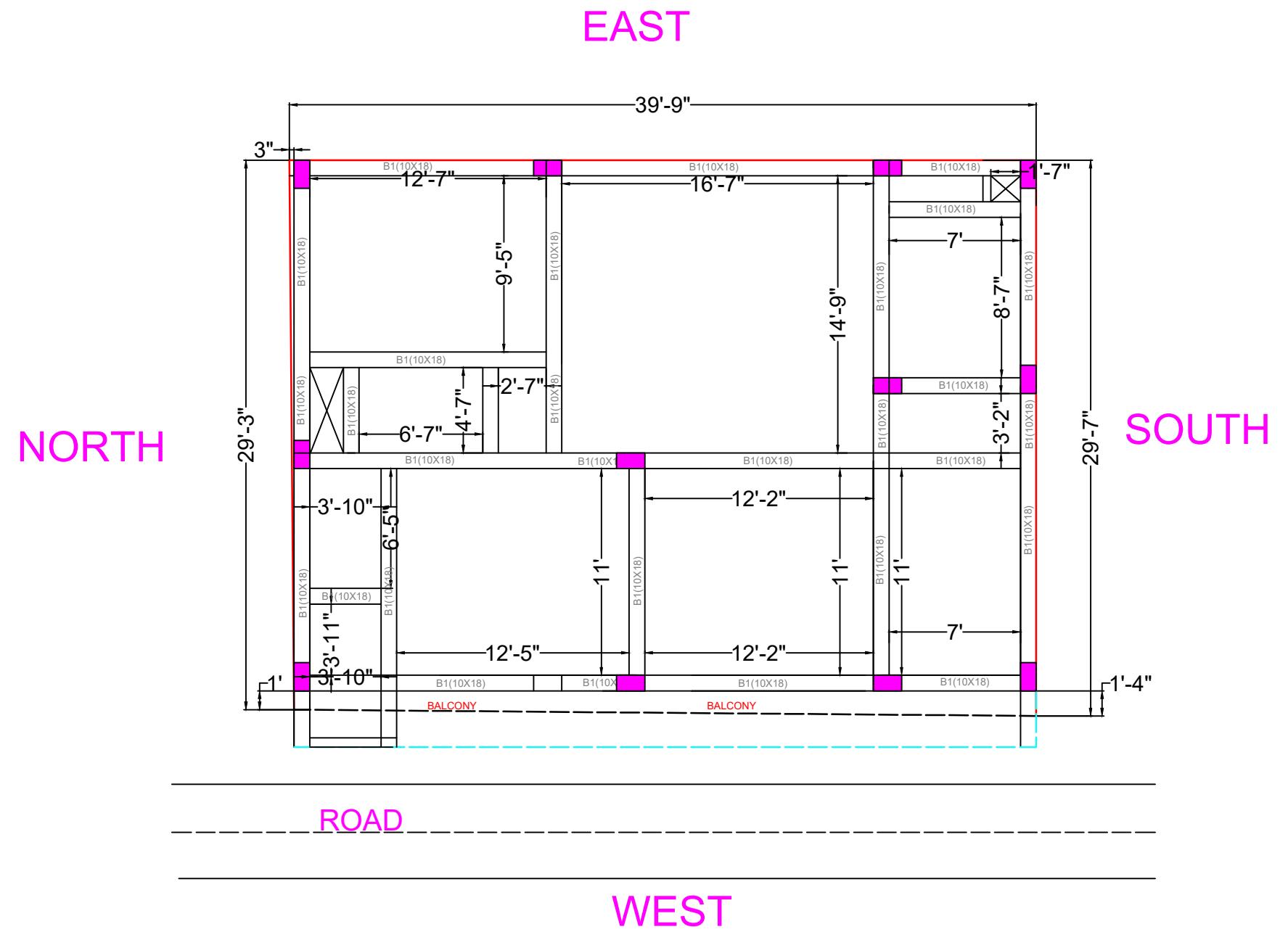
|                            |                     |           |
|----------------------------|---------------------|-----------|
| 1:100                      | <del>RELEASER</del> | 07.4.2025 |
| 01                         |                     |           |
| Ar. Soni Kumari            |                     |           |
| Er. Jayprakash kumar       |                     |           |
| Jaypro infratech Pvt. Ltd. |                     |           |

**JAYPRO INFRATECH PVT. LTD.**

**TECHNICAL NOTES & INSTRUCTIONS:-**

- NOTES AND INSTRUCTIONS INDICATED BELOW SHALL BE FOLLOWED WITH DUE RESPONSIBILITY BY ENGINEER IN CHARGE DURING EXECUTION OF THE PROJECT.
- THE DRAWINGS CONTAINING THE DESIGN INFORMATION, CONSTRUCTION, AND STRUCTURAL DRAWINGS OF THE BUILDING / STRUCTURE ENCLOSED, BEFORE EXECUTION AND AMBIGUITY IF ANY NOTICED BY THEM SHALL BE REPORTED TO CONSULTANT FOR NECESSARY ACTION.
- ALL CONCRETE SHALL BE MACHINE MIXED AND PLACED BY CONCRETE PUMP.
- ONLY STEEL SHUTTERING / CENTERING SHALL BE USED AT WORK SITE FOR CONSTRUCTION OF R.C.C. FRAMES / DRAINS.
- QUALITY AND PROPORTION OF MATERIALS TO BE USED IN CONCRETING I.E. WATER / CEMENT / SAND - CHIPS SHALL BE STRICTLY AS PER DESIGN MIX REPORT.
- THE CONCRETE MIXTURE SHALL BE PLACED AND FINISHED IN A WORK SITE SHALL CONFORM THE ACCEPTANCE CRITERIA AS MENTIONED IN I.S. 456:2000.
- COVER BLOCK WITH PROPER SIZE & SPECIFIED STRENGTH SHALL BE PROVIDED IN SLAB / BEAM / COLUMN / PILE CAPS AS PER DESIGN. THE COVER BLOCKS SHALL BE TIED WITH REINFORCEMENT.
- COVER BLOCKS SHALL BE PROPERLY TIED WITH THE REINFORCEMENT FOR FIXITY DURING CONCRETING.
- IN CASE OF PILE FOUNDATION IT IS ESSENTIAL TO HAVE ACTUAL PILE LOAD TEST REPORT ALONG WITH PILE CAPACITY BASED ON SOIL PARAMETERS. SO IT IS INSTRUCTED TO GET THE ACTUAL PILE LOAD TEST REPORT BEFORE EXECUTION AND REPORT TO CONSULTANT FOR REVIEW AND APPROVAL.
- IN CASE OF PILE FOUNDATION HAVING HIGH WATER TABLE USE BENTONITE SOLUTION, CASING AND PILE CAPS SHALL BE PROTECTED FROM CORROSION, THE ENGINEER IN CHARGE SHALL TAKE FINAL DECISION AS PER ACTUAL SITE CONDITION.
- ALL CONCRETE SHALL BE MACHINE MIXED AND PLACED BY CONCRETE PUMP BY VIBRATOR.
- NON-MACHINED CONCRETE FOR PILE CAPS & COLUMN FOR ALL REINFORCEMENT.
- FOR FOUNDATION = 50, PILE CAP = 75, COLUMN = 40, BEAM = 30 AND SLAB = 25mm HALL BE PROVIDED.
- PROVIDE PROPER R.C.C. SLAB / COLUMN FOUNDATION / B/W PLASTER ETC. IT SHALL BE PROVIDED.
- PROPER ARRANGEMENT FOR SOAKING OF BRICKS SHALL BE ENSURED BY FIELD ENGRS.
- BEFORE PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONCRETE.
- REINFORCEMENT LENGTH SHALL BE AS PER DESIGN AND MEASURED BY ENGR IN CHARGE.
- LDT = EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 40X BAR DIA.
- LDC = EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION 30% BAR DIA.
- LAP SPLICING OF REINFORCEMENT FOR ALL REINFORCEMENT SHALL BE STAGGERED. IT SHALL BE WITHIN THE LAP ZONE AS SHOWN IN THE DRAWING. LAP LENGTH SHALL NOT BE LESS THAN 300MM. THE LENGTH OF LAP SHALL BE AS PER APPROVED STR. DRG.
- LAP SPLICING OF BEAMS/SLAB FORM WORK SHALL BE PROVIDED AS PER FOLLOWED.
- GRID LINE SHOWS/C OF WALES.
- THE REINFORCEMENT FOR NORMAL BEAMS & SLAB SHALL BE ASSEMBLED AS TO PROVIDE CAMBER AS FOLLOWS -
- CAMBER FOR NORMAL BEAMS SHALL BE 1/250 OF THE SPAN OR 1MM PER METER OF SPAN.
- FOR CANTELEVER BEAMS SLAB CAMBER AT THE FREE END SHALL BE SPAN / 50 OF THE PROJECT LENGTH.
- REINFORCEMENT FOR FORM WORK SHALL BE PROVIDED AS PER APPROVED STR. DRG.
- REINFORCEMENT FOR FORM WORK SHALL BE PROVIDED AS PER APPROVED STR. DRG.
- IN FRAME STRUCTURE ALL EXTERNAL STAIR WALL SHALL BE 10MM THICK AND INTERNAL WALL 8MM THICK AS EXPLAINED IN THE DRAWING.
- NECESSARY ARRANGEMENTS SHALL BE MADE FOR PLINTH PROTECTION OF BUILDING AT LEVEL DECIDED BY E.E. TO AVOID WATER LOGGING IN AROUND BUILDING. THE WIDTH SHALL BE DECIDED BY E.E.
- WATER PROOFING COMPOUND SHALL BE USED IN CASTING OF SUNKEN SLAB & TERRACE FLOOR SLAB TO PREVENT SEEPAGE.
- ALL CONCRETE SHALL BE GRADE M 20 HAVING MINIMUM CEMENT CONTENT 300 kg/m<sup>3</sup>. MAX. W/C = 0.5 FOR COARSE AGGREGATE 20 mm SIZE. CASTING SHOULD BE DONE AS PER MIX DESIGN.
- OR T INDICATES USD BARS OF GRADE Fe 500.

THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.



**NOTES:-2**

- ALL DIMENSIONS ARE IN FEET AND INCHES.
- ALL CONCRETE MIX M20 UNLESS OTHERWISE SPECIFIED.
- ALL TIR STEEL YIELD STRENGTH 500 N/mm.
- ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
- CLEAR COVER TO MAIN STEEL 40 MM IN PILES, 20mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
- ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.
- ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.
- WHEREVER SHOWN BEAM BAR SHALL BE ANCHORED INTO COLUMN UP TO A LENGTH EQUAL TO 50X BAR DIA DISTANCE MEASURED FROM COLUMN FACE.
- BARS TO BE CUT & BENT NEAR OPENINGS/POCKETS.

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**CLIENT :-** Mr. KUNAL BHASKAR  
**PROJECT :-** FIRST FLOOR SLAB BEAM  
**SCALE :** 1:100 **01** 07.4.2025  
**Design By:** Ar. Soni Kumar  
**Checked By:** Er. Jayprakash Kumar  
**Approved By:** Jaypro infratech Pvt. Ltd.

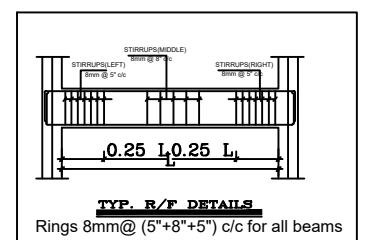
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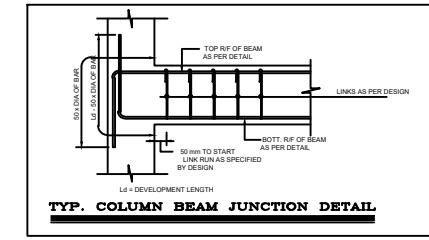
**TYP. BEAM SECTION**  
Rings 8mm@ (5"+8"+5") c/c for all beams

**BEAM REINFORCEMENT INDEX**

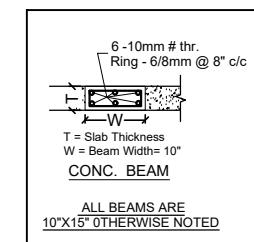
| BEAM MKD | SIZE | REINFORCEMENT |              |             |               | STIRRUPS  |           |
|----------|------|---------------|--------------|-------------|---------------|-----------|-----------|
|          |      | TOP. REINF.   | BOT. REINF.  | BOT. M (b1) | BOT. EXT (b2) | S1        | S2        |
| B        | D    | TOP.M (t1)    | TOP.EXT (t2) | BOT.M (b1)  | BOT.EXT (b2)  | T8@5" c/c | T8@5" c/c |
| B3       | 10"  | 18"           | 2-T16        | 2-T12       | 3-T16         | 2-T12     | T8@5" c/c |



**TYP. R/F DETAILS**  
Rings 8mm@ (5"+8"+5") c/c for all beams



**TYP. COLUMN BEAM JUNCTION DETAIL**



**ALL BEAMS ARE 10"X15" OTHERWISE NOTED**

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Mr. KUNAL BHASKAR

## GROUND FLOOR SLAB REINF.. DETAIL

1:100 ISSUED 13.07.25

Digitized by srujanika@gmail.com

Figure 1. Schematic diagram of the experimental setup.

11. **What is the primary purpose of the *Journal of Clinical Endocrinology and Metabolism*?**

---

**JAYPRO INFRATECH PVT. LTD.**

Office Address: 1st Floor, Bendosi

ALL DIMENSIONS ARE IN FEET AND INCHES  
ALL CONCRETE MIX M:20 UNLESS OTHERWISE SPECIFIED.  
ALL TOL STEEL YIELD STRENGTH 500 N/mm .  
ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.  
CLEAR COVER TO MAIN STEEL 40 MM IN PILES, 20mm IN SLAB,  
25mm IN BEAM, 40mm IN COLUMN.  
ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.  
ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE  
ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE  
BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS.  
ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED  
OUT SHALL BE 8tor @250C/C.  
THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.  
WHEREVER SHOWN BEAM BAR SHALL BE ANCHORED INTO  
COLUMN UPTO A LENGTH EQUAL TO 50X BAR DIA DISTANCE  
MEASURED FROM COLUMN FACE

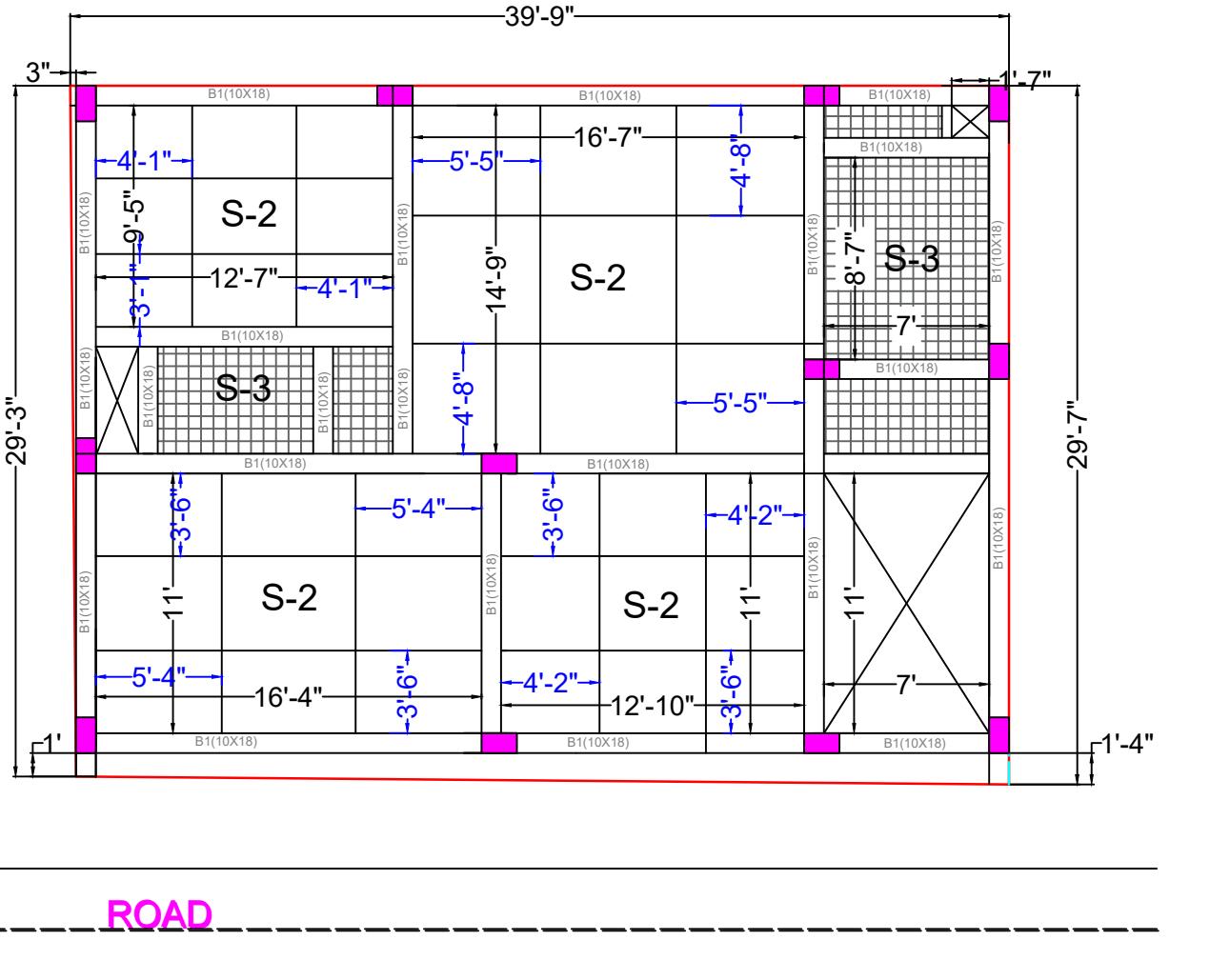
WEST

## ROAD

# NORTH

# SOUTH

## EAST



| SLAB | MAIN (Shorter Span-A) |         | Distr. (Longer Span-B) |         | SLAB TYPE   |
|------|-----------------------|---------|------------------------|---------|-------------|
|      | ROD (dia)             | SPACING | ROD (dia)              | SPACING |             |
| S-1  | T10 mm                | 6" c/c  | T8 mm                  | 6" c/c  | CRANK       |
| S-2  | T8 mm                 | 6" c/c  | T8 mm                  | 6" c/c  | CRANK       |
| S-3  | T8 mm                 | 6" c/c  | T8 mm                  | 6" c/c  | Double Lyr. |

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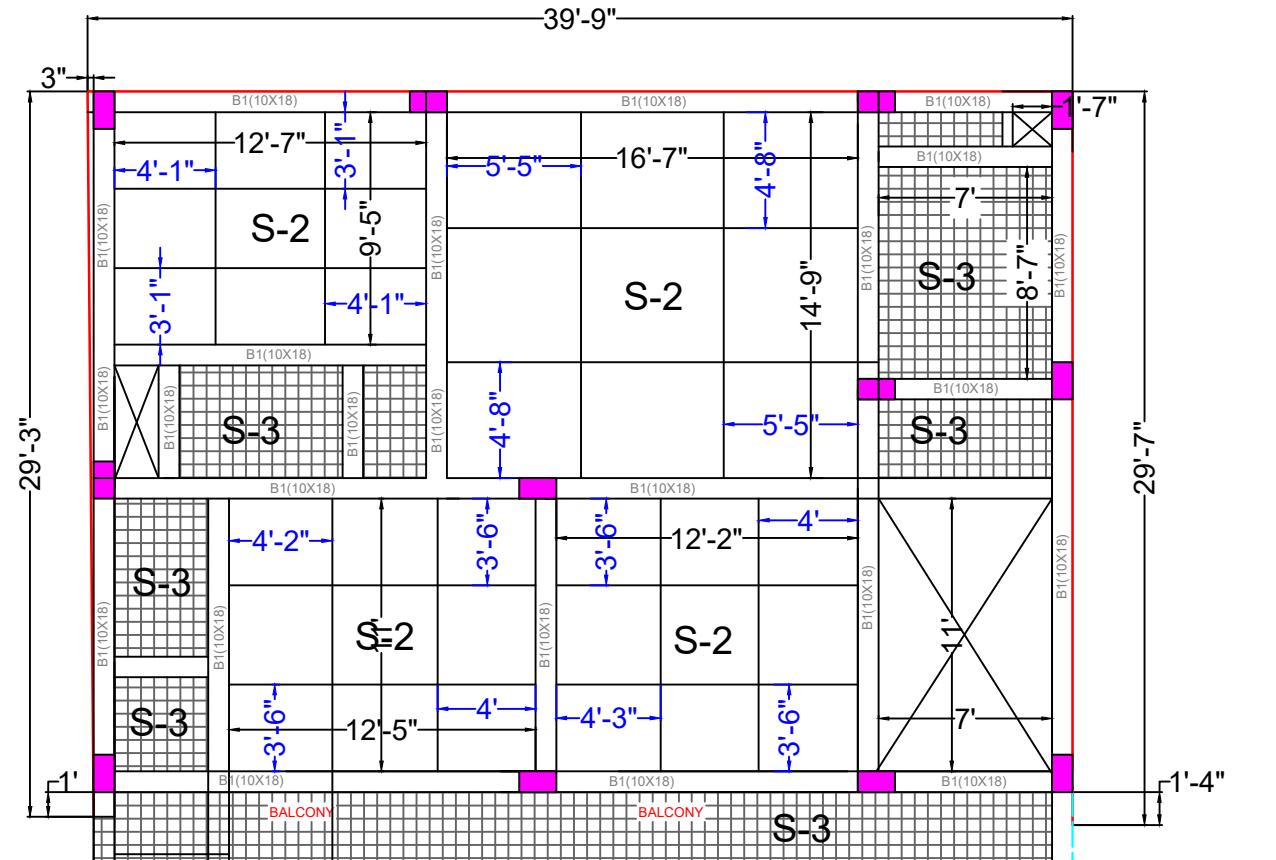
NORTH

EAST

SOUTH

ROAD

WEST



| SLAB | MAIN (Shorter Span-A) |         | Distr. (Longer Span-B) |         | SLAB TYPE   |
|------|-----------------------|---------|------------------------|---------|-------------|
|      | ROD (dia)             | SPACING | ROD (dia)              | SPACING |             |
| S-1  | T10 mm                | 6" c/c  | T8 mm                  | 6" c/c  | CRANK       |
| S-2  | T8 mm                 | 6" c/c  | T8 mm                  | 6" c/c  | CRANK       |
| S-3  | T8 mm                 | 6" c/c  | T8 mm                  | 6" c/c  | Double Lyr. |

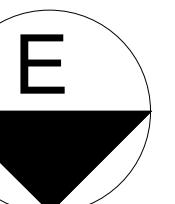
| NOTES:-   |  |
|---|--|
| 1. ALL DIMENSIONS ARE IN FEET AND INCHES  |  |
| 2. ALL CONCRETE MIX M:20 UNLESS OTHERWISE SPECIFIED.  |  |
| 3. ALL TOR STEEL YIELD STRENGTH 500 N/mm .  |  |
| 4. ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.  |  |
| 5. CLEAR COVER TO MAIN STEEL 40 MM IN PILES, 20mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.  |  |
| 6. ALL DIMENSIONS ARE TO BE READ NOT TO BE MEASURED.  |  |
| 7. ALL DIMENSIONS & DETAILS ARE TO BE VERIFIED WITH THE ARCHITECTURAL DRAWING AMBIGUITY IF ANY SHOULD BE BROUGHT TO THE NOTICE OF THE CONSULTING ENGINEERS. |  |
| 8. ALL DISTRIBUTION BARS WHEREVER REQUIRED BUT NOT CALLED OUT SHALL BE 8tor @250C/C.  |  |
| 9. THIS DRAWING SHALL BE READ WITH ARCHITECTURAL DRAWINGS.  |  |
| 10. WHEREVER SHOWN BEAM BAR SHALL BE ANCHORED INTO COLUMN UPTO A LENGTH EQUAL TO 50X BAR DIA DISTANCE MEASURED FROM COLUMN FACE                             |  |

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FOR ANY OTHER PURPOSE OTHER THAN FOR WHICH IT IS FURNISHED.  
ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.

CLIENT : - Mr. KUNAL BHASKAR

PROJECT : - FIRST FLOOR SLAB REINF.. DETAIL

|             |                            |        |          |
|-------------|----------------------------|--------|----------|
| SCALE :     | 1:100                      | ISSUED | 13.07.25 |
| Plan Number | 09                         |        |          |
| Design By   | Er. Kumari Neha Ranjan     |        |          |
| Checked By  | Er. Jayprakash Kumar       |        |          |
| Approved By | Jaypro Infratech Pvt. Ltd. |        |          |



TECHNICAL NOTES & INSTRUCTIONS:-  
 1) NOTES & INSTRUCTIONS INDICATED BELOW SHALL BE FOLLOWED WITH DUE RESPONSIBILITY BY ENGINEER IN-CHARGE DURING EXECUTION OF THE PROJECT.  
 2) THE ENGINEER IN-CHARGE SHALL STUDY IN DEPTH THE ARCHITECTURAL/STRUCTURAL DRAWINGS AND SHALL TAKE NECESSARY MEASURES TO ENSURE THAT THE PROJECT IS EXECUTED AS PER THE DRAWINGS AND IN ACCORDANCE WITH THE STANDARDS & CODES OF PRACTICE.  
 3) ONLY STEEL SHUTTERING / CENTERING SHALL BE USED AT WORK SITE FOR CONSTRUCTION OF SLAB.  
 4) QUALITY AND MIX PROPORTION OF MATERIALS TO BE USED IN CONCRETING I.E. WATER / CEMENT / SAND / CHIPS SHALL BE STRICTLY AS PER DESIGN MIX REPORT.  
 5) THE CONCRETE MIXTURE SHALL BE PLACED IN LAYERS AND SHALL NOT EXCEED 1.5 METER IN THICKNESS. THE CONCRETE SHALL CONFORM TO THE ACCEPTANCE CRITERIA AS MENTIONED IN I.S. 456: 2000.  
 6) CONCRETE MIXTURE SHALL BE PLACED IN LAYERS AND SHALL NOT EXCEED 1.5 METER IN THICKNESS. THE CONCRETE SHALL CONFORM TO THE ACCEPTANCE CRITERIA AS MENTIONED IN I.S. 456: 2000.  
 7) IN CASE OF PILE FOUNDATION IT IS ESSENTIAL TO HAVE ACTUAL PILE LOAD TEST REPORT ACTUAL PILE LOAD TEST REPORT BEFORE EXECUTION AND REPORT TO CONSULTANT TO GET THE ACTUAL PILE LOAD TEST REPORT.  
 8) PROPER ARRANGEMENT FOR DRAINING OF BRICKS SHALL BE ENSURED BY PROVIDING DRAINS.  
 9) PROPER PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONC. MIX.  
 10) IN CASE OF PILE FOUNDATION HAVING HIGHER SETTER TABLE USE CONCRETE MIX REPORT AND PLACEMENT OF REINFORCEMENT SHEET AS PER DESIGN.  
 11) ALL REINFORCEMENT SHALL BE PLACED IN CENTERING AND SHALL BE TIED AS PER ACTUAL SITE CONDITION.  
 12) NOMINAL COVER I.E. CLEAR CONCRETE COVER TO ALL REINFORCEMENTS INCLUDING UMBRELLA BARS SHALL BE 30 MM. PILE CAP 75, COLUMN 140, BEAM 30 AND SLAB 25mm.  
 13) PROPER PLACEMENT OF REINFORCEMENT SHEET AS PER DESIGN.  
 14) PROPER ARRANGEMENT FOR SPANNING OF BRICKS SHALL BE ENSURED BY PROVIDING DRAINS.  
 15) PROPER PLACEMENT OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONC. MIX.  
 16) REINFORCEMENT SHEET SHALL BE TIED AS PER DESIGN.  
 17) LD'S EFFECTIVE DEVELOPMENT LENGTH CONSIDERING TENSION 40X BAR DIA.  
 18) LD'S EFFECTIVE DEVELOPMENT LENGTH CONSIDERING COMPRESSION 40X BAR DIA.  
 19a) LAP SPICE: NOT MORE THAN 80% OF AREA OF STEEL (LONG) IN COLUMN BARS SHALL BE PROVIDED AS PER APPROVED DRAWING.  
 19b) LAP SPICE: NOT MORE THAN 80% OF AREA OF STEEL (LONG) IN BEAM BARS SHALL BE PROVIDED AS PER APPROVED DRAWING.  
 20) LONG SPAN < 6' - 2" (1.83M) LAP SHALL BE PROVIDED AS PER APPROVED DRAWING.  
 21) GRID LINE SHOWS CL. OF WALLS.  
 22) THE REINFORCEMENT SHEET SHALL BE TIED AS PER DESIGN.  
 23) PROVIDE CAMBER AS FOLLOWS :  
 a) CAMBER FOR BEAM 1" / 20 FT. (1/200) BEAM & SLAB SHALL BE SO ASSEMBLED AS TO PROVIDE CAMBER AS PER DESIGN.  
 b) CAMBER FOR SLAB 1/200 OF SPAN OR 1MM PER METER OF SPAN AT THE CENTRAL POINT.  
 24) REMOVAL OF FORM WORK SHALL BE AS PER STRIPPING SCHEDULE AS PRESCRIBED VIDE CL. 11.3 OF I.S. 456: 2000.  
 25) IN FRAME STRUCTURE ALL EXTERNAL STAIR WALL SHALL BE 10"THICK AND INTERNAL WALL SHALL BE 8"THICK.  
 26) NECESSARY ARRANGEMENTS SHALL BE MADE FOR PLINTH PROTECTION OF BUILDING AT LEVELS. PLINTH SHALL BE 10"THICK AND WATERPROOFED. ARRANGEMENTS FOR PLINTH WIDTH SHALL BE DECIDED AS PER ACTUAL SITE CONDITION BY ENGINEER IN-CHARGE.  
 27) WATERPROOFING COMING SHALL BE USED AS PER APPROVED DRAWING.  
 28) FLOOR SLAB TO PRECAST SLEEVES SHALL BE USED AS PER APPROVED DRAWING.  
 ALL DESIGN MIX CONCRETE & M:20 CONCRETE (M:20 CONCRETE) & 40 MM DIA REINFORCEMENT (40X18) MAX. AREA OF 1000 MM². 40 MM DIA REINFORCEMENT (40X18) & 40 MM DIA CASTING SHOULD BE DONE AS PER MY DESIGN.  
 # OR T INDICATES HYSD BARS OF GRADE Fe 500  
 THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.