

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

Outer Wall- 10"
Inner Wall- 05"

Details Of Stair:-
Celling 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.

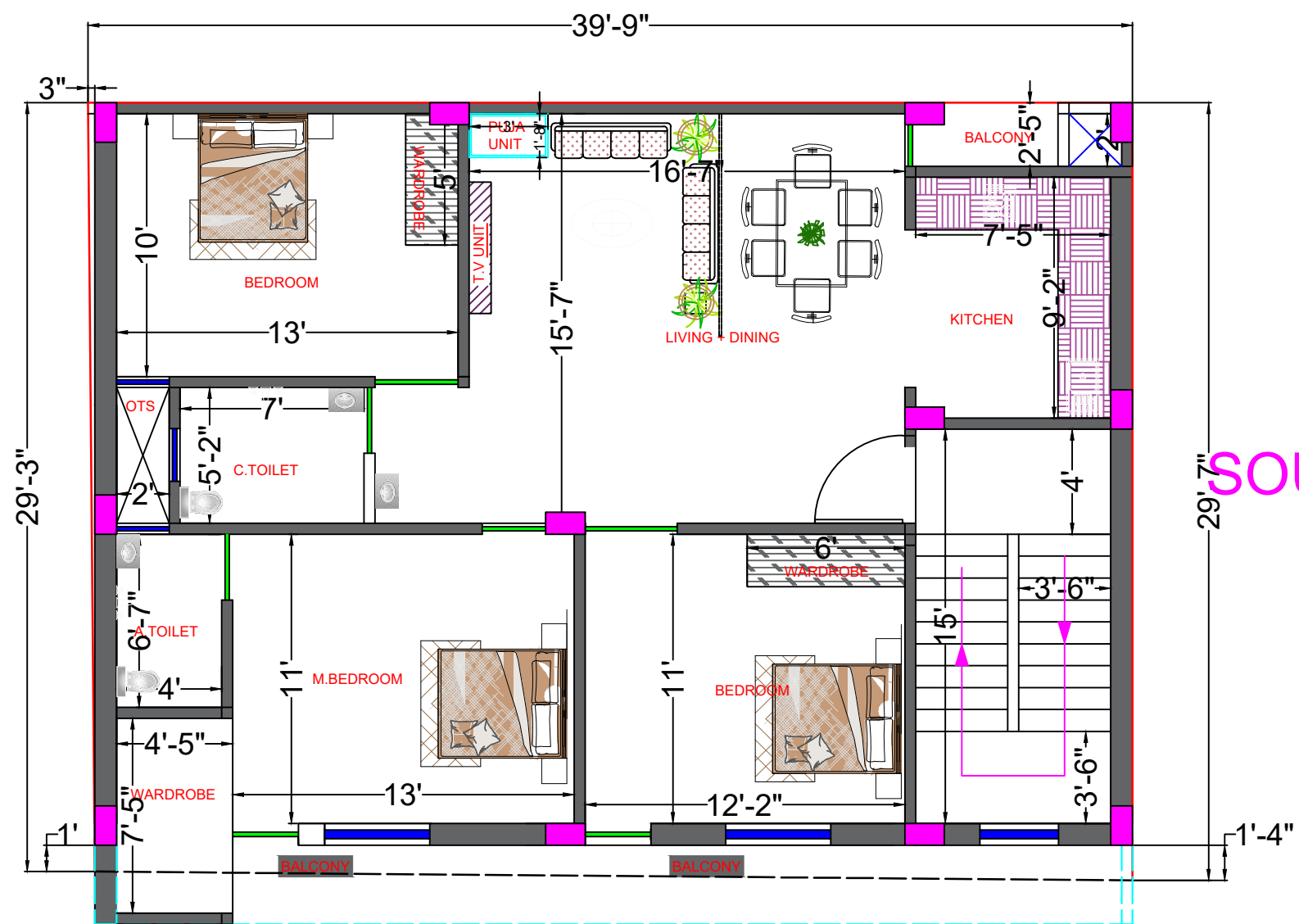
Office Address: 1st Floor, Pandooi
Place, Boring Road, Patna- 80001

NORTH

EAST

SOUTH

WEST



ROAD

Our Services
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Structure Design
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Outer Wall- 10"
Inner Wall- 05"

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

Details Of Stair:-
Celling 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

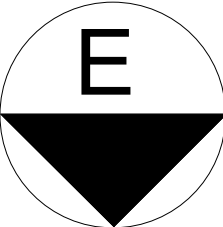
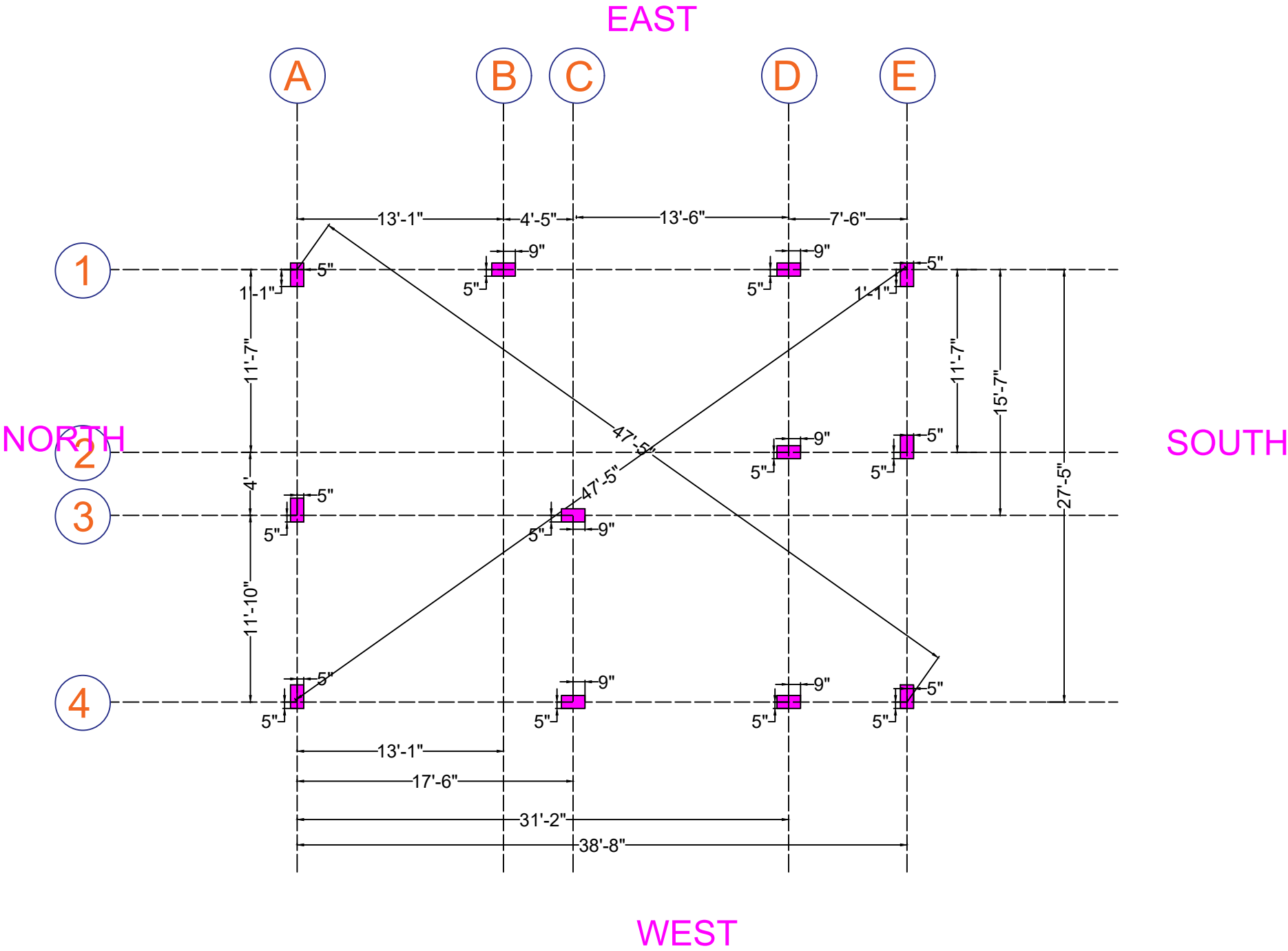
PROJECT :FIRST FLOOR PLAN

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.

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
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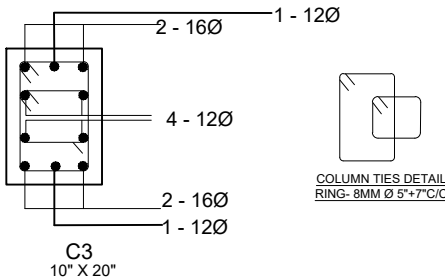
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CLIENT :- Mr. KUNAL BHASKAR

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.		

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



C3-(10"X18")

TECHNICAL NOTES & INSTRUCTIONS:-

- NOTES AND INSTRUCTIONS INDICATED BELOW SHALL BE FOLLOWED WITH DUE RESPONSIBILITY BY ENGINEER IN-CHARGE DURING EXECUTION OF THE PROJECT.
- THE ENGINEER IN-CHARGE SHALL STUDY IN DEPTH THE ARCHITECTURAL/STRUCTURAL DRAWINGS OF THE BUILDING / STRUCTURE ENCLOSED, BEFORE EXECUTION AND AMBIGUITY IF ANY NOTED BY HIM SHALL BE REPORTED TO CONSULTANT FOR NECESSARY ACTION. ALL DIMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE SPECIFIED.
- ONLY STEEL SHUTTLING/ CENTERING SHALL BE USED AT WORK SITE FOR CONSTRUCTION OF R.C.C. FRAMED BUILDING.
- QUALITY AND MIX PROPORTION OF MATERIALS TO BE USED IN CONCRETING I.E. WATER / CEMENT / SAND / CRIPS SHALL BE STRICTLY AS PER DESIGN MIX REPORT.
- THE CRUSHING STRENGTH OF CUBES PREPARED WITH CONC. MIX AT WORK SITE SHALL CONFORM THE ACCEPTANCE CRITERIA AS MENTIONED IN IS: 446: 2000.
- COVER BLOCK WITH PROPER SIZE & SPECIFIED STRENGTH SHALL BE PROVIDED IN SLAB / BEAM / COLUMN / FOUNDATION BEFORE R.C.C. CASTING @ SPACE NOT EXCEEDING ONE METER C.C.
- COVER BLOCK SHALL BE PROPERLY TIED WITH THE REINFORCEMENT FOR FORTY DURING.
- 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 FINAL CONCLUSION.
- IN CASE OF PILE FOUNDATION HAVING HIGH WATER TABLE USE BENTONITE SOLUTION, CASING AND QUICK SETTING CEMENT, THE ENGINEER IN-CHARGE SHALL TAKE FINAL DECISION AS PER ACTUAL SITE CONDITION.
- ALL CONCRETE SHALL BE MACHINE MIXED AND PROPERLY COMPACTED BY VIBRATOR.
- NOMINAL COVER (I.E. CLEAR CONCRETE COVER TO ALL REINFORCEMENTS, INCLUDING LINKS) FOR FOUNDATION:- 50, PILE CAP:- 75, COLUMN:- 40, BEAM:- 30 AND SLAB:- 25mm SHALL BE PROVIDED.
- PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / R/W PLASTER ETC. SHALL BE PROVIDED CAMBER AS FOLLOWS:-
- PROPER ARRANGEMENT FOR SOAKING OF BRICKS SHALL BE ENSURED BY FIELD ENGRS.
- BEFORE PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTLING TO PREVENT CEMENT SLURRY FROM CONC. MIX.
- BEFORE CASTING REINFORCEMENT PLACED SHALL BE DULY MEASURED BY ENGR INCHARGE.
- LDT- EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 48X BAR DIA.
- LDC- EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION 30X BAR DIA.
- LAP SPICE- NOT MORE THAN 50% OF AREA OF STEEL (LONG) IN COLUMN BARS SHALL BE SPECIFIED AT ANY ONE SECTION. LAPPING OR WELDING OF RT. SHALL BE STAGGERED. IT SHALL BE WITHIN THE LAPPING ZONE AS SHOWN IN THE DRG. THE LAP LENGTH SHALL NOT BE LESS THAN DEVELOPMENT LENGTH OF ROD AND 3 TIMES DIA OF BAR WHICH IS GREATER.
- LAP SPICE IN BEAM SPAN LESS THAN 12M SHALL BE AVOIDED IN NORMAL CASE. IN LOWER SPAN (L < 12M) LAP SHALL BE PROVIDED AS PER APPROVED STR. DRG.
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- GRID LINE SHOWS C/L OF WALLS.
- THE FORM WORK FOR SPAN > 4M, 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 6MM PER METER OF SPAN AT THE CENTRAL POINT.
- FOR CANTILEVER BEAMS SLAB CAMBER AT THE FREE END SHALL BE SPAN / 50 OF THE PROJECTED LENGTH.
- BEFORE R.C.C. CASTING OF BEAMS/SLAB FORM WORK SHALL BE CHECKED PROPERLY TO AVOID ANY DEFLECTION.
- REMOVAL OF FORM WORK SHALL BE AS PER STRIPPING TIME PRESCRIBED VIDE CL. 11.3 OF IS: 446-2000 WHICH SHALL BE CHECKED BY E.E./A.E.
- IN FRAME STRUCTURE ALL EXTERNAL STAIR WALL SHALL BE 10" THICK AND INTERNAL WALL SHALL BE 8" THICK EXCEPT MENTIONED.
- 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 AS PER ACTUAL SITE CONDITION BY ENGINEER IN-CHARGE.
- WATER PROOFING COMPOUND SHALL BE USED IN CASTING OF SUNKEN SLAB & TERRACE FLOOR SLAB TO PREVENT SEEPAGE.
- ALL DESIGN MIX CONCRETE OF GRADE M 25 HAVING MINIMUM CEMENT CONTENT 300 kg/m³ Max. W/C = 0.5 FOR COARSE AGGREGATE 20 mm SIZE. CASTING SHOULD BE DONE AS PER MIX DESIGN.
- # OR T INDICATES IT'S BARS OF GRADE T-500D.
- THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.

NOTES:-

- ALL CONCRETE MIX M:25 UNLESS OTHERWISE SPECIFIED.
- ALL TOR STEEL YIELD STRENGTH 500 N/mm².
- 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 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

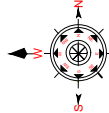
Design:- PILE & PILE CAP DETAILS

SCALE:- 1:100
Plan Number 01 Issue 12.04.2025

Design By Er. Rishav Kumar

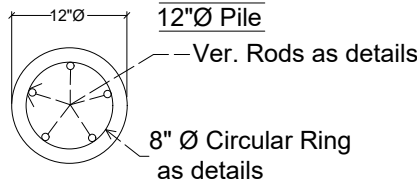
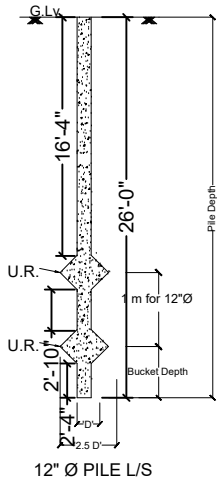
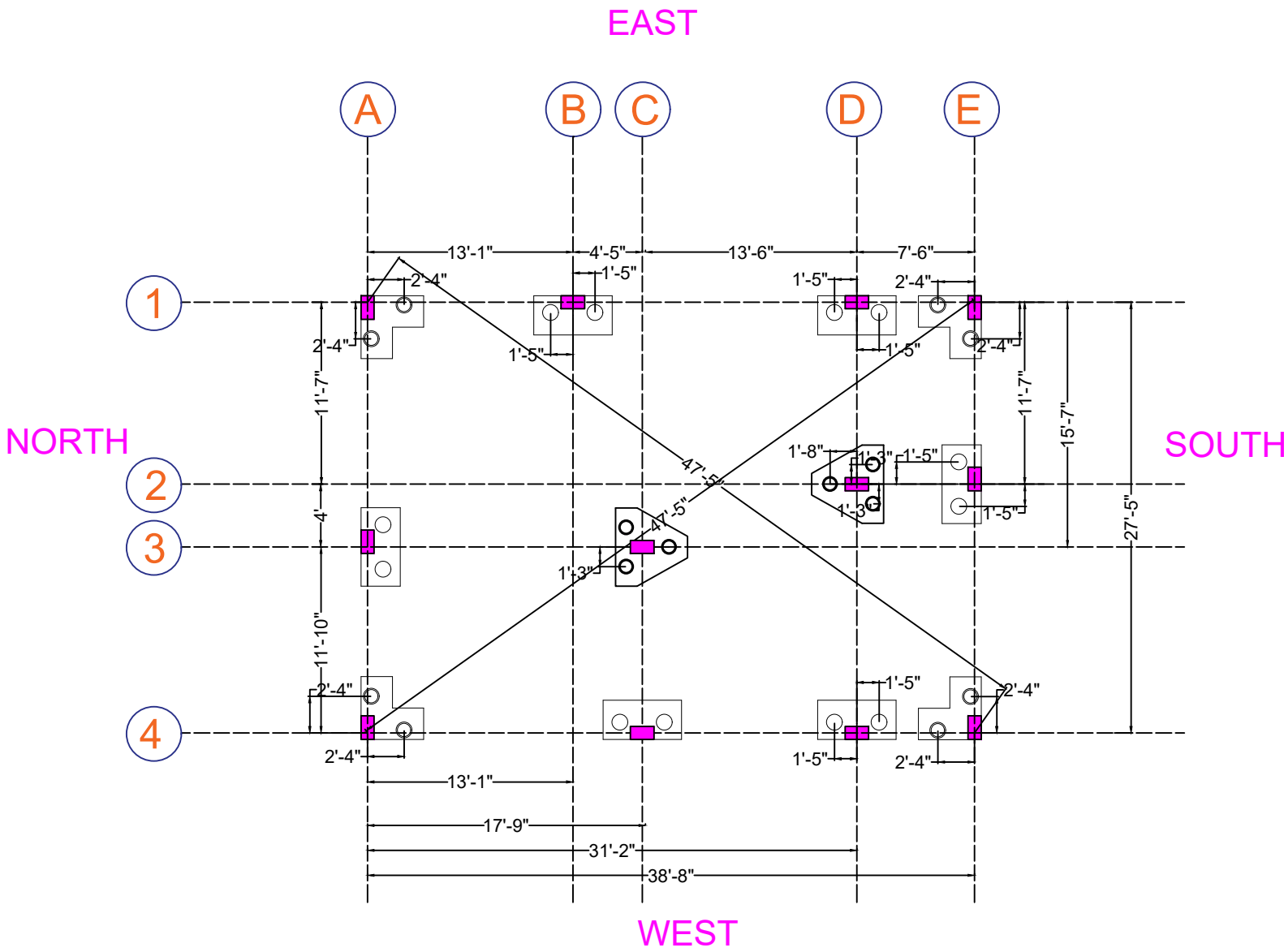
Checked By Er. Jayprakash kumar

Approved By Jaypro infratech Pvt. Ltd.

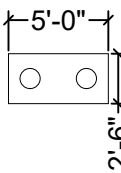


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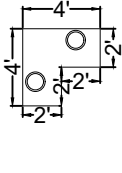
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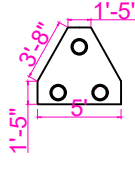
TYPICAL PILE C/S



PC1



PC2



PC3

PILE DETAILS

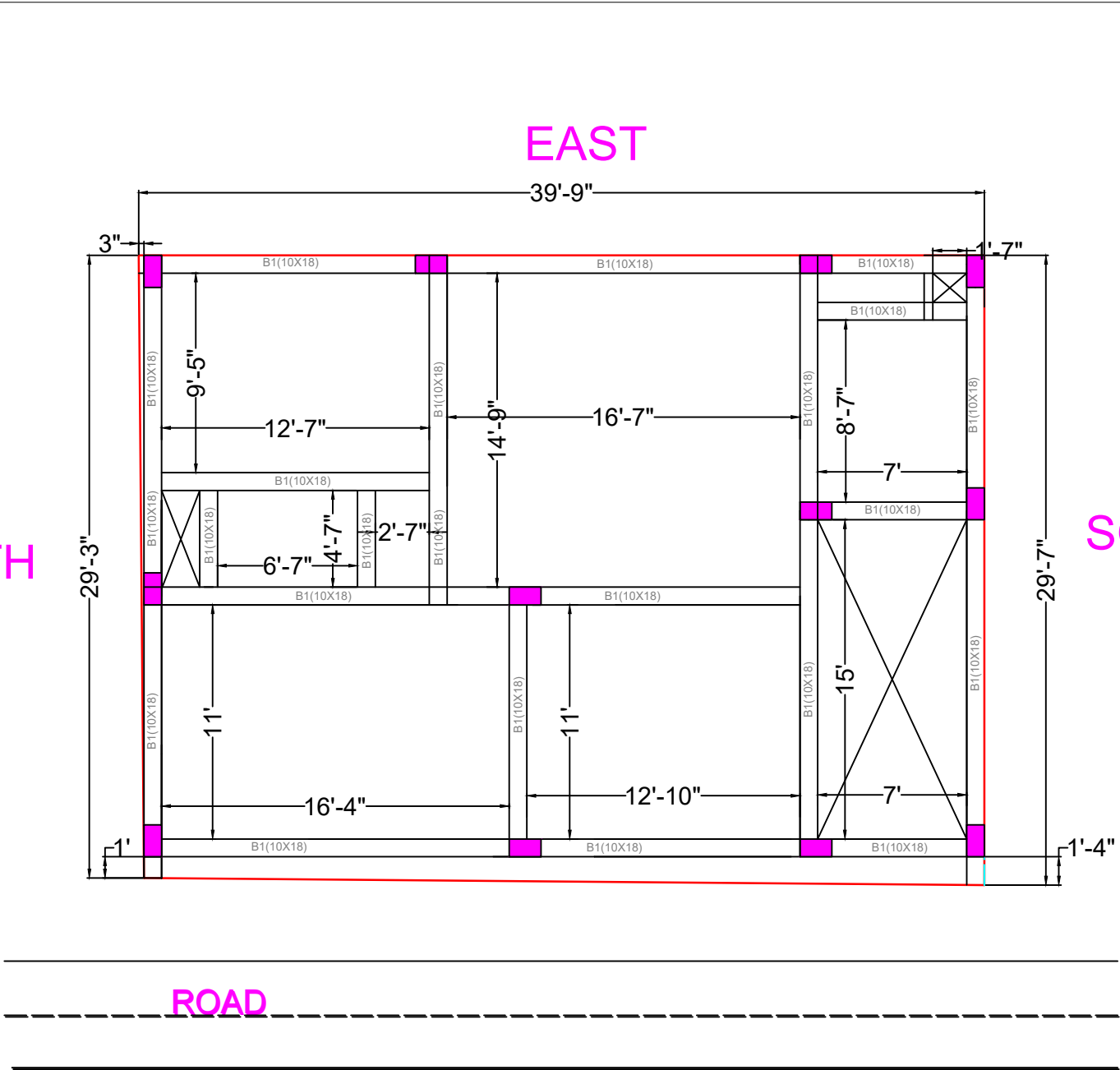
Pile	DIA	DEPTH	DIA OF UR	No. OF UR	STEEL	RINGS	No. of Piles
●	12"	26ft	30"	2	5- T12 mm	T8 mm @ 8" c/c	26

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"	6'x2'-6"	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"	4'x2'	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"	5'x1'-6"x3'-8"x1'-5"	18"	T10 @ 6" c/c	T8 @ 6" c/c	T10 @ 6" c/c	T8 @ 6" c/c	2- 12" Ø Pile Grp.

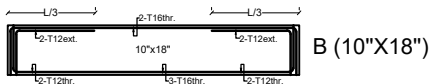
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 - PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / R/W PLASTER ETC. SHALL BE ENSURED.
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 - BEFORE PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONC. MIX.
 - BEFORE CASTING REINFORCEMENT PLACED SHALL BE DULY MEASURED BY ENGR INCHARGE.
 - LDT- EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 48X BAR DIA.
 - LDC- EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION 30X BAR DIA.
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 - REMOVAL OF FORM WORK SHALL BE AS PER STRIPPING TIME PRESCRIBED VIDE CL. 11.3 OF IS: 456-2000 WHICH SHALL BE CHECKED BY E.E./A.E.
 - IN FRAME STRUCTURE ALL EXTERNAL STAIR WALL SHALL BE 10" THICK AND INTERNAL WALL SHALL BE 8" THICK EXCEPT MENTIONED.
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 - WATER PROOFING COMPOUND SHALL BE USED IN CASTING OF SUNKEN SLAB & TERRACE FLOOR SLAB TO PREVENT SEEPAGE.
 - ALL DESIGN MIX CONCRETE OF GRADE M 25 HAVING MINIMUM CEMENT CONTENT 300 kg/m³ Max. W/C = 0.5 FOR COARSE AGGREGATE 20 mm SIZE. CASTING SHOULD BE DONE AS PER MIX DESIGN.
 - # OR INDICATES HYSD BARS OF GRADE Fe-500.
 - THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.

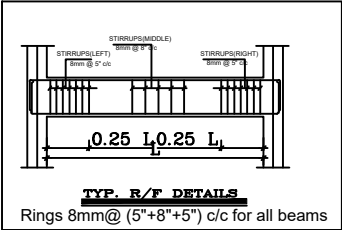
- NOTES:-2**
- ALL DIMENSIONS ARE IN FEET AND INCHES.
 - ALL CONCRETE MIX M-20 UNLESS OTHERWISE SPECIFIED.
 - ALL TOR STEEL YIELD STRENGTH 500 N/mm².
 - ALL CONCRETE SHALL BE MACHINE MIXED AND MACHINE VIBRATED.
 - CLEAR COVER TO MAIN STEEL 40 MM IN PILES, 20mm IN SLAB, 25mm IN BEAM, 40mm IN COLUMN.
 - 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.



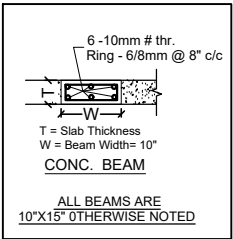
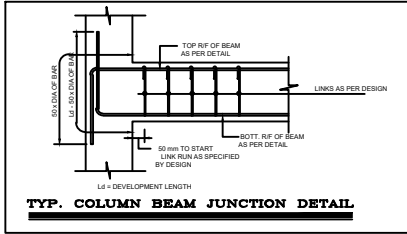
TYP. BEAM SECTION
Rings 8mm@ (5"+8"+5") c/c for all beams

BEAM REINFORCEMENT INDEX

BEAM MKD	SIZE		REINFORCEMENT				STIRRUPS	
	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



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



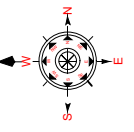
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CLIENT:-
Mr. KUNAL BHASKAR

PROJECT:-
GROUND FLOOR TIE BEAM

SCALE:- 1:100
Plan Number 01
DATE: 07.4.2025

Design By: Ar. Soni Kumar
Checked By: Er. Jayprakash kumar
Approved By: Jaypro infratech Pvt. Ltd.



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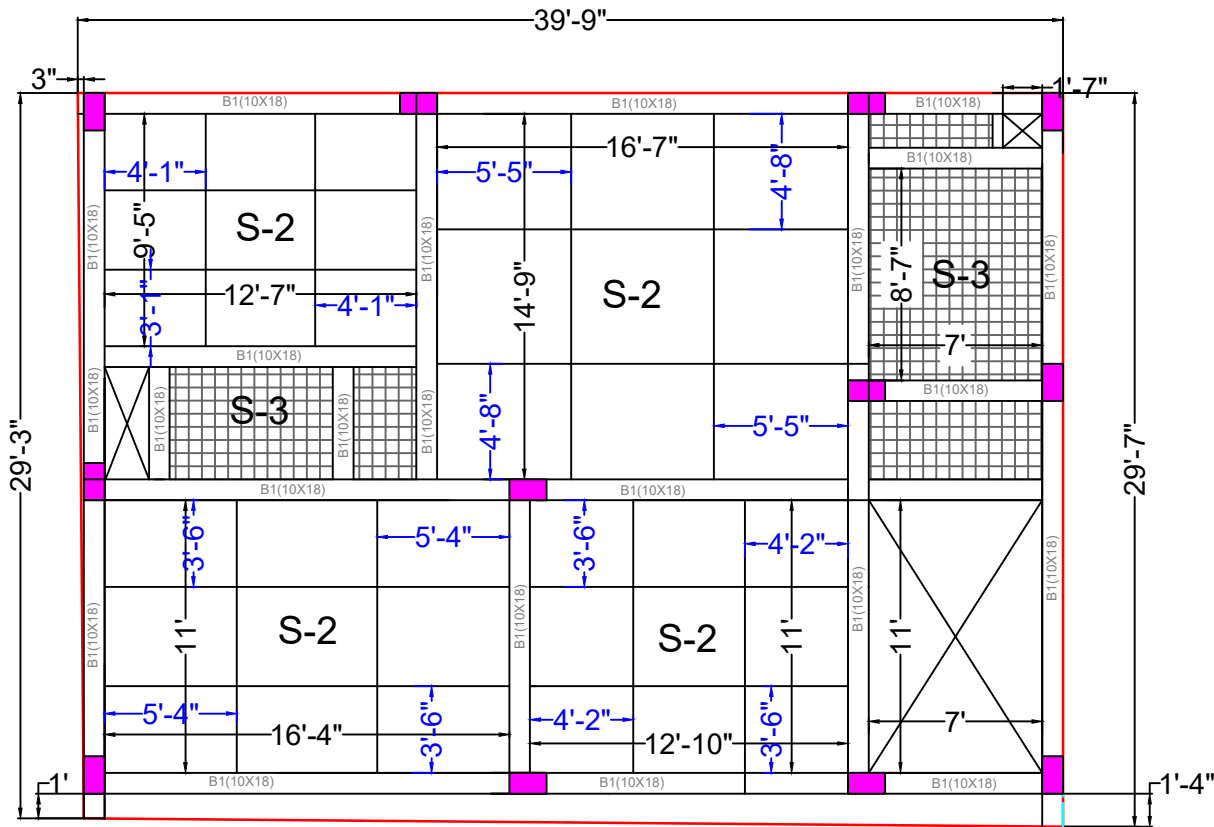
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EAST

NORTH

SOUTH



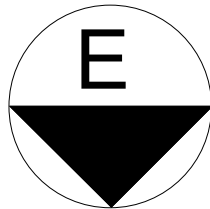
ROAD

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 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

- TECHNICAL NOTES & INSTRUCTIONS:-**
- 1) NOTES AND INSTRUCTIONS INDICATED BELOW SHALL BE FOLLOWED WITH DUE RESPONSIBILITY BY ENGINEER IN-CHARGE DURING EXECUTION OF THE PROJECT.
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 - 3) ALL DIMENSIONS ARE IN MM FOLLOW WRITTEN DIMENSION ONLY.
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 - 5) 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.
 - 6) THE CRUSHING STRENGTH OF CUBES PREPARED WITH CONC. MIX AT WORK SITE SHALL CONFORM THE ACCEPTANCE CRITERIA AS MENTIONED IN IS 456: 2000.
 - 7) COVER BLOCK WITH PROPER SIZE & SPECIFIED STRENGTH SHALL BE PROVIDED IN SLAB / BEAM / COLUMN FOUNDATION BEFORE R.C.C. CASTING @ SPACE NOT EXCEEDING ONE METER C.C.
 - 8) COVER BLOCK SHALL BE PROPERLY TIED WITH THE REINFORCEMENT FOR FIXITY DURING
 - 9) 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 FINAL CONCLUSION.
 - 10) IN CASE OF PILE FOUNDATION HAVING HIGH WATER TABLE USE BENTONITE SOLUTION CASING AND QUICK SETTING CEMENT. THE ENGINEER IN-CHARGE SHALL TAKE FINAL DECISION AS PER ACTUAL SITE CONDITION.
 - 11) ALL CONCRETE SHALL BE MACHINE MIXED AND PROPERLY COMPACTED BY VIBRATOR.
 - 12) NOMINAL COVER (I.E. CLEAR CONCRETE COVER TO ALL REINFORCEMENTS, INCLUDING UNIONS FOR FOUNDATION = 50; PILE CAP = 75; COLUMN = 40; BEAM = 30; AND SLAB = 25mm) SHALL BE PROVIDED.
 - 13) PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / B/W PLASTER ETC. SHALL BE ENSURED.
 - 14) PROPER ARRANGEMENT FOR SOAKING OF BRICKS SHALL BE ENSURED BY FIELD ENGRS.
 - 15) BEFORE PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONC. MIX.
 - 16) BEFORE CASTING OF REINFORCEMENT PLACES SHALL BE DULY MEASURED BY ENGR IN-CHARGE.
 - 17) LDT- EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 48x BAR DIA.
 - 18) LDC - EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION 38x BAR DIA.
 - 19A) LAP SPICE- NOT MORE THAN 80% OF AREA OF STEEL (LONG) IN COLUMN BARS SHALL BE SPLICED AT ANY ONE SECTION. LAPPING OR WELDING OF RT. SHALL BE STAGGERED.
 - 19B) IT SHALL BE WITHIN THE LAPPING ZONE AS SHOWN IN THE DRG. THE LAP LENGTH SHALL NOT BE LESS THAN DEVELOPMENT LENGTH OF ROD AND 30 TIMES DIA. OF BAR WHIC IS GREATER.
 - 19C) LAP SPICE IN BEAM SPAN LESS THAN 12M SHALL BE AVOIDED IN NORMAL CASE. IN LONGER SPAN > 12M LAP SHALL BE PROVIDED AS PER APPROVED STR. DRG.
 - 20) ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
 - 21) DREDLINE SHOWS C.C. OF WALLS.
 - 22) THE FORM WORK FOR (SPAN > 4M) BEAMS & SLAB SHALL BE SO ASSEMBLED AS TO PROVIDE CAMBER AS FOLLOWS:-
 - 23) CAMBER FOR NORMAL BEAMS SHALL BE 1 IN 250 OF THE SPAN OR 4MM PER METER OF SPAN AT THE CENTRAL POINT.
 - 24) FOR CANTILEVER BEAMS /SLAB CAMBER AT THE FREE END SHALL BE SPAN / 50 OF THE PROJECTED LENGTH.
 - 25) BEFORE R.C.C. CASTING OF BEAMS/SLAB FORM WORK SHALL BE CHECKED PROPERLY TO AVOID ANY DEFLECTION.
 - 26) REMOVAL OF FORM WORK SHALL BE AS PER STRIPPING TIME PRESCRIBED VIDE CL. 11.3 OF I.S. 456:2000 WHICH SHALL BE CHECKED BY E.E./A.E.
 - 27) IN FRAME STRUCTURE ALL EXTERNAL & INTERNAL STAIR WALL SHALL BE 10"THICK AND INTERNAL WALL SHALL BE 7" THICK, EXCEPT MENTIONED.
 - 28) NECESSARY ARRANGEMENTS SHALL BE MADE FOR RAINY PROTECTION OF BUILDING AT LEVEL DECIDED BY E.E. TO AVOID WATER LOGGING AROUND BUILDING THE WIDTH SHALL BE DECIDED AS PER ACTUAL SITE CONDITION BY ENGINEER IN-CHARGE.
 - 29) WATER PROOFING COMPOUND SHALL BE USED IN CASTING OF SUNKEN SLAB LATERACE FLOOR SLAB TO PREVENT SEEPAGE.
 - 30) ALL DESIGN MIX CONCRETE OF GRADE M 25 HAVING MINIMUM CEMENT CONTENT 300 kg/m³. Max. W/C = 0.5 FOR CONCRETE AGGREGATE 20 mm SIZE CASTING SHOULD BE DONE AS PER MIX DESIGN
 - 31) 0 OR 1 INDICATES 1000 BARS OF GRADE M 2500
 - 32) THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.



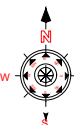
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CLIENT :- Mr. KUNAL BHASKAR

PROJECT :- GROUND FLOOR SLAB REINF.. DETAIL

SCALE : 1:100
Plan Number 09
ISSUED 13.07.25

Design By Er. Kumari Neha Ranjan
Checked By Er. Jayprakash kumar
Approved By Jaypro infratech Pvt. Ltd.



JAYPRO INFRATECH PVT. LTD.

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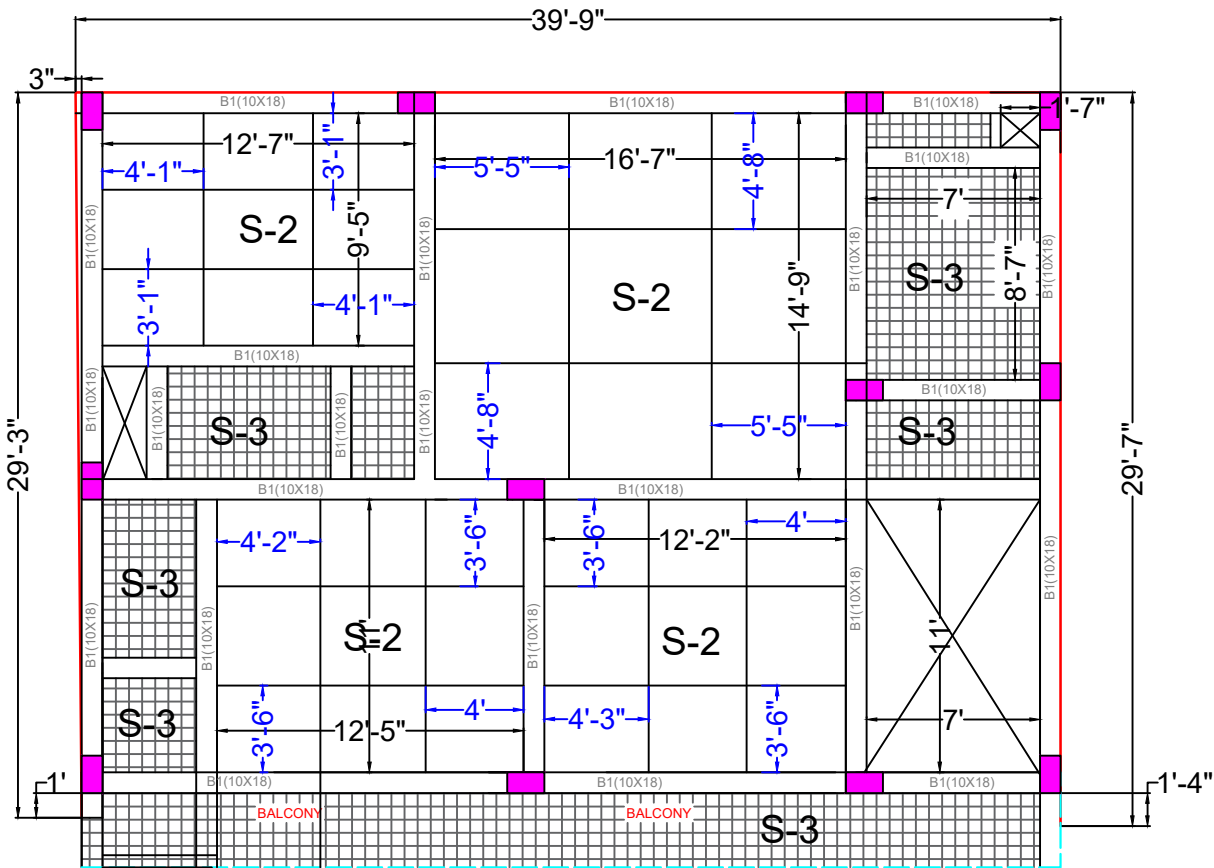
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NORTH

SOUTH



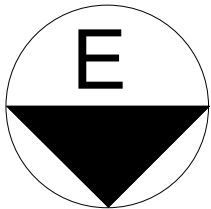
ROAD

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 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

- TECHNICAL NOTES & INSTRUCTIONS:-**
- 1) NOTES AND 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 OF THE BUILDING / STRUCTURE ENCLOSED BEFORE EXECUTION AND AMBIGUITY IF ANY NOTICED BY HIM SHALL BE REPORTED TO CONSULTANT FOR NECESSARY ACTION.
 - 3) ALL DIMENSIONS ARE IN MM FOLLOW WRITTEN DIMENSION ONLY.
 - 4) ONLY STEEL SHUTTERING / CENTERING SHALL BE USED AT WORK SITE FOR CONSTRUCTION OF R.C.C. FRAMED BUILDING.
 - 5) 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.
 - 6) THE CURING STRENGTH OF CUBES PREPARED WITH CONC. MIX AT WORK SITE SHALL CONFORM THE ACCEPTANCE CRITERIA AS MENTIONED IN IS 456: 2000.
 - 7) COVER BLOCK WITH PROPER SIZE & SPECIFIED STRENGTH SHALL BE PROVIDED IN SLAB / BEAM / COLUMN FOUNDATION BEFORE R.C.C. CASTING @ SPACE NOT EXCEEDING ONE METER C.C.
 - 8) COVER BLOCK SHALL BE PROPERLY TIED WITH THE REINFORCEMENT FOR FIFTY DURING
 - 9) 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 FINAL CONCLUSION.
 - 10) IN CASE OF PILE FOUNDATION HAVING HIGH WATER TABLE USE BENTONITE SOLUTION CASING AND QUICK SETTING CEMENT. THE ENGINEER IN-CHARGE SHALL TAKE FINAL DECISION AS PER ACTUAL SITE CONDITION.
 - 11) ALL CONCRETE SHALL BE MACHINE MIXED AND PROPERLY COMPACTED BY VIBRATOR.
 - 12) NOMINAL COVER (I.E. CLEAR CONCRETE COVER TO ALL REINFORCEMENTS, INCLUDING LINKS) FOR FOUNDATION = 50; PILE CAP = 75; COLUMN = 40; BEAM = 30 AND SLAB = 25mm SHALL BE PROVIDED.
 - 13) PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / B/W PLASTER ETC. SHALL BE ENSURED BY FIELD ENGRS.
 - 14) PROPER ARRANGEMENT FOR SOAKING OF BRICKS SHALL BE ENSURED BY FIELD ENGRS.
 - 15) BEFORE PLACING OF REINFORCEMENT POLYTHENE SHEET SHALL BE SPREAD OVER SHUTTERING TO PREVENT CEMENT SLURRY FROM CONC. MIX.
 - 16) BEFORE CASTING REINFORCEMENT PLACES SHALL BE EXACTLY MEASURED BY ENGR IN-CHARGE.
 - 17) LDT: EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 48X BAR DIA.
 - 18) LDC: EFFECTIVE DEVELOP. LENGTH CONSIDERING COMPRESSION 38X BAR DIA.
 - 19A) LAP SPICE: NOT MORE THAN 80% OF AREA OF STEEL (LONG) IN COLUMN BARS SHALL BE SPLICED AT ANY ONE SECTION. LAPPING OR WELDING OF RT. SHALL BE STAGGERED.
 - 19B) IT SHALL BE WITHIN THE LAPPING ZONE AS SHOWN IN THE DRG. THE LAP LENGTH SHALL NOT BE LESS THAN DEVELOPMENT LENGTH OF ROD AND 30 TIMES DIA OF BAR WHIC IS GREATER.
 - 19C) LAP SPICE IN BEAM SPAN LESS THAN 12M SHALL BE AVOIDED IN NORMAL CASE. IN LONGER SPAN > 12M LAP SHALL BE PROVIDED AS PER APPROVED STR. DRG.
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 - 27) IN FRAME STRUCTURE ALL EXTERNAL STAIR WALL SHALL BE 10"THICK AND INTERNAL WALL SHALL BE 7" THICK, EXCEPT MENTIONED.
 - 28) NECESSARY ARRANGEMENTS SHALL BE MADE FOR RAINWATER PROTECTION OF BUILDING AT LEVEL DECIDED BY E.E. TO AVOID WATER LEAKING AROUND BUILDING THE WORK SHALL BE DECIDED AS PER ACTUAL SITE CONDITION BY ENGINEER IN-CHARGE.
 - 29) WATER PROOFING COMPOUND SHALL BE USED IN CASTING OF SUNSHEN SLAB TERRACE FLOOR SLAB TO PREVENT SEEPAGE.
 - 30) ALL DESIGN MIX CONCRETE OF GRADE M 25 HAVING MINIMUM CEMENT CONTENT 300 kg/m³. Max. W/C = 0.5 FOR CONCRETE AGGREGATE 20 mm SIZE CASTING SHOULD BE DONE AS PER MIX DESIGN
 - 31) 1/ OR 1" INDICATES 1/800 BARS OF GRADE M 250
 - 32) THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.



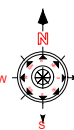
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CLIENT : - Mr. KUNAL BHASKAR

PROJECT : - FIRST FLOOR SLAB REINF.. DETAIL

SCALE : 1:100
Plan Number 09
ISSUED 13.07.25

Design By Er. Kumari Neha Ranjan
Checked By Er. Jayprakash kumar
Approved By Jaypro infratech Pvt. Ltd.



JAYPRO INFRA TECH PVT. LTD.

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