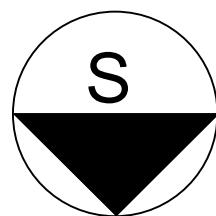


OUTER WALL = 10"  
 INNER WALL = 5"

NOTE: All door frame And door are 3'-6"  
 All bath door frame And door are 2'-6"

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

Details Of Stair:-  
 Ceiling Height :- 11'  
 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 :- 20



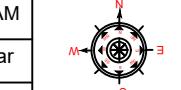
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CLIENT :- Mrs. POONAM KUMARI

PROJECT :- GROUND FLOOR PLAN

SCALE:- 1:100 ISSUED 12.12.25  
 Plan Number:- 03

Design By Er. MD AMEEN ALAM  
 Checked By Er. Jayprakash Kumar  
 Approved By Jaypro Infratech Pvt.Ltd.



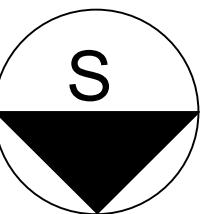
OUTER WALL = 10"  
 INNER WALL = 5"

NOTE: All door frame And door are 3'-6"  
 All bath door frame And door are 2'-6"

#### SCHEDULE OF DOOR & WINDOWS

SP.	L	B	H	SILL H.
D	3'-6"		07'00"	00'00"
D2	2'-6"		07'00"	00'00"
SD	5'0"		07'00"	00'00"
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 :- 19



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CLIENT :- Mrs. POONAM KUMARI

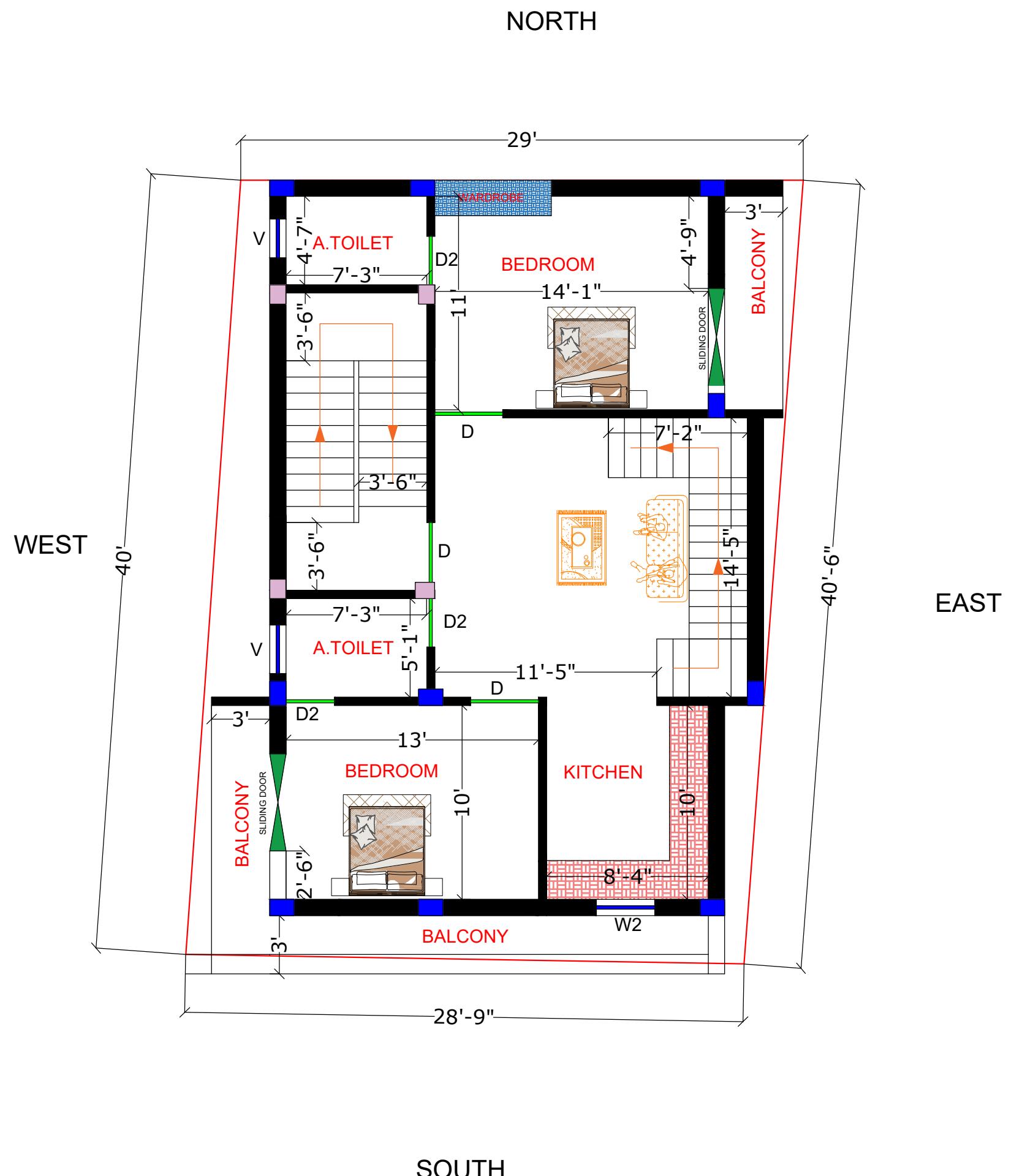
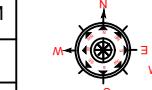
PROJECT :- FIRST FLOOR DUPLEX

SCALE:- 1:100 ISSUED 03.12.25  
 Plan Number:- 03

Design By Er. MD AMEEN ALAM

Checked By Er. Jayprakash Kumar

Approved By Jaypro Infratech Pvt.Ltd.



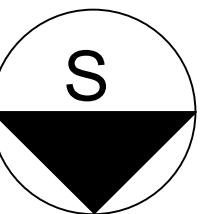
OUTER WALL = 10"  
 INNER WALL = 5"

NOTE: All door frame And door are 3'-6"  
 All bath door frame And door are 2'-6"

#### SCHEDULE OF DOOR & WINDOWS

SP.	L	B	H	SILL H.
D	3'-6"		07'00"	00'00"
D2	2'-6"		07'00"	00'00"
SD	5'0"		07'00"	00'00"
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 :- 19



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CLIENT :- Mrs. POONAM KUMARI

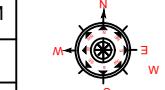
PROJECT :- SECOND FLOOR DUPLEX

SCALE:- 1:100 ISSUED 03.12.25  
 Plan Number:- 03

Design By Er. MD AMEEN ALAM

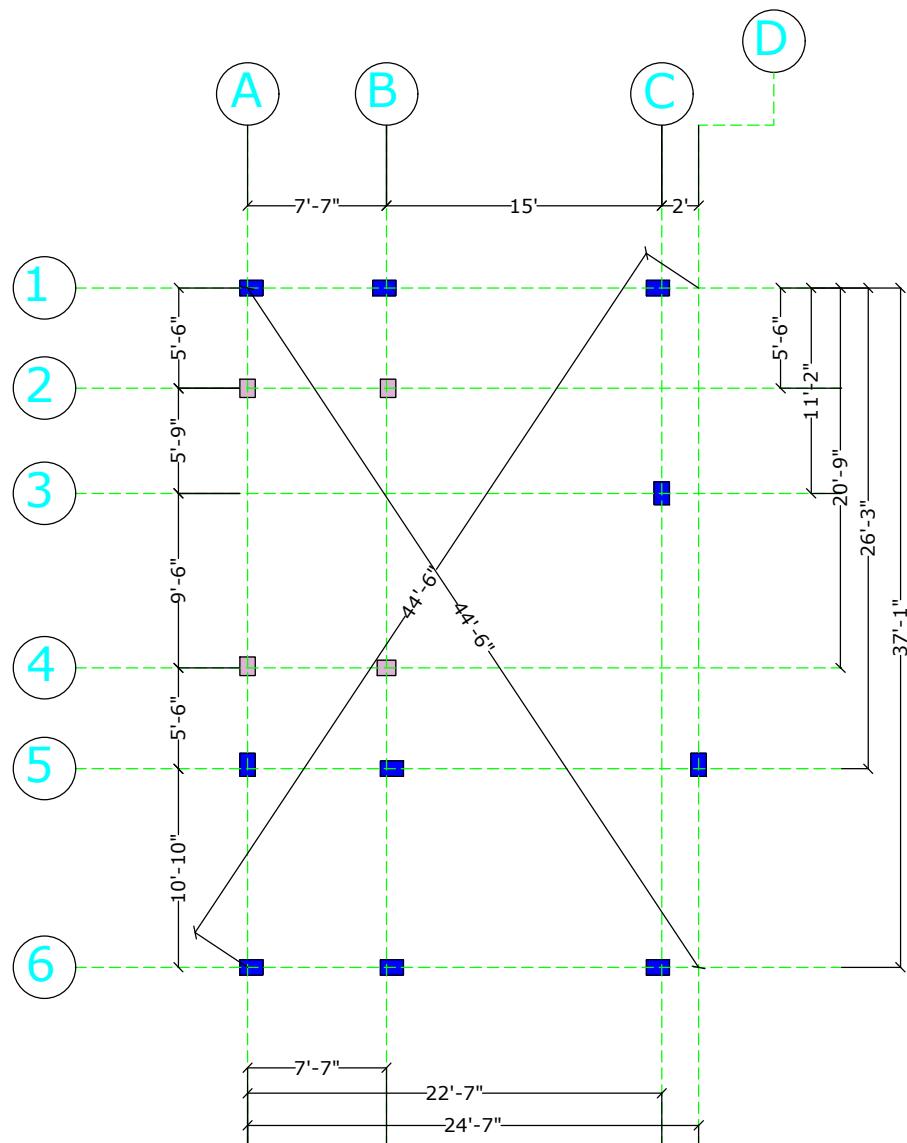
Checked By Er. Jayprakash Kumar

Approved By Jaypro Infratech Pvt.Ltd.



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Interior Design  
Estimating & Costing  
Building Construction With Material



**E**

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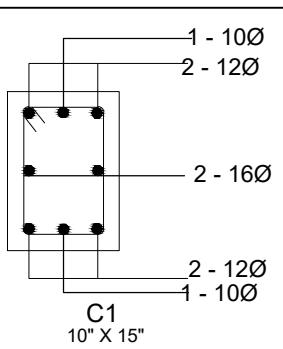
CLIENT :- Mrs. POONAM KUMARI

PROJECT :- Column Layout Details

SCALE:-	1:100	ISSUED	10.12.25
Plan Number:-	01		
Design By	Er.MD AMEEN ALAM		
Checked By	Er. Jayprakash Kumar		
Approved By	Jaypro Infratech Pvt.Ltd.		

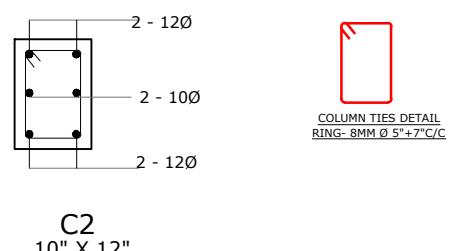
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Place, Boring Road, Patna- 80001



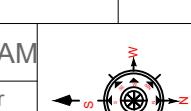
**C1-(10"X15")**

COLUMN TIES DETAIL  
RING- 8MM Ø 6" +12" C/C

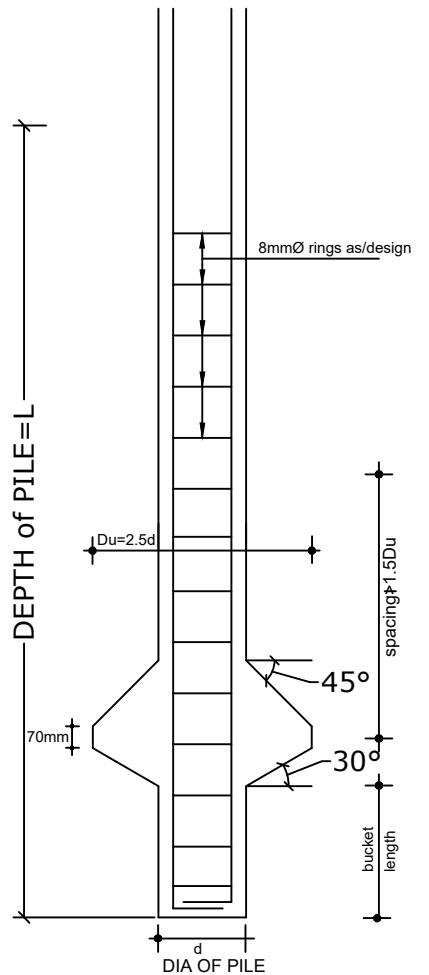


**C2-(10"X12")**

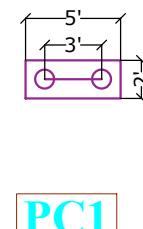
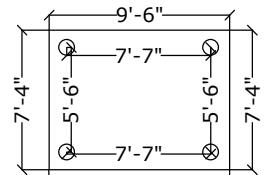
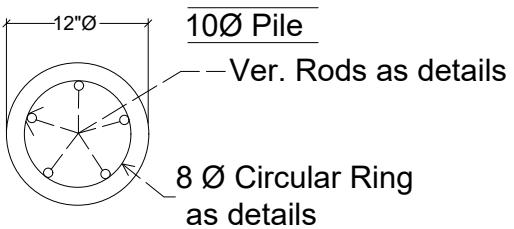
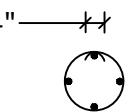
COLUMN TIES DETAIL  
RING- 8MM Ø 5" +7" C/C



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(Typical Detail of PILE)



### PILE DETAILS

Pile	DIA	DEPTH	DIA OF UR	No. OF UR	STEEL	RINGS	No. of Piles
●	12"	18ft	30"	1	5-T10 mm	T8 mm @ 7" c/c	20
●	12"	18ft	30"	1	5-T10 mm	T8 mm @ 7" c/c	20

### TYPICAL PILE C/S

### PILE CAP DETAILS

Pile Cap	Pile Dia	Pile Cap Size	Pile Cap Depth (inch)	(Bottom Layer Mat)			Pile Group
				Main Steel (b) (Lower Level)	Dist. Steel (t) (Upper Level)		
PC1	12"	5x2x4"	12"	T10 @ 7" c/c	T10 @ 7" c/c		
PC2	12"	5x2x4"	12"	T10 @ 7" c/c	T10 @ 7" c/c		

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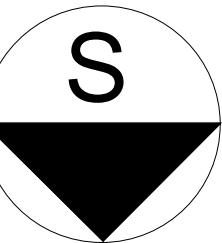
CLIENT :- Mrs. POONAM KUMARI

PROJECT :- PILE CAP Details

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

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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 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. ALL DIMENSIONS ARE IN MM/LOW WRITTEN DIMENSION ONLY. ONLY STEEL SHUTTERING / CENTERING SHELL 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 / CHIPS 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 I.S. 456- 2000. COVER BLOCK SHALL 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 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 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 COMPAKED 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 HALL PROVIDED. PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / B/W PLASTER ETC. 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 CONC. MIX. BEFORE CASTING REINFORCEMENT PLACED SHALL BE DULY MEASURED BY ENGR INCHARGE. LTD. - EFFECTIVE DEVELOP LENGTH CONSIDERING TENSION 40X BAR DIA. LDC = EFFECTIVE DEVELOP LENGTH CONSIDERING COMPRESSION 30X BAR DIA. A LAP SPLICE - NOT MORE THAN 50% OF AREA OF STEEL (LONG) IN COLUMN BARS SHALL BE SPLICED 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 30 TIMES DIA OF BAR WHICH IS GREATER. B LAP SPLICE IN BEAM SPAN LESS THAN 12M SHALL BE AVOIDED IN NORMAL CASE. IN LONGER SPAN (L > 12M) LAP SHALL BE PROVIDED AS PER APPROVED STR. DRG. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. GRID LINE SHOWS CL OF WALLS. THE FORM WORK FOR (SPAN >4M) BEAMS & SLAB SHALL BE AS ASSEMBLED AS TO PROVIDE CAMBER AS FOLLOWS :- CAMBER FOR NORMAL BEAMS SHALL BE 1 IN 250 OF THE SPAN OR 4MM PER METER OF SPAN AT THE CENTRAL POINT FOR DECK BEAMS SLAB CAMBER AT THE FREE END SHALL BE SPAN / 50 OF THE PROJECTED LENGTH OF THE BEAM. 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 I.S. 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 5" 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/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 HYSD BARS OF GRADE Fe 500D THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.

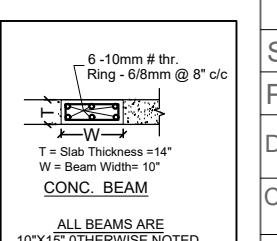
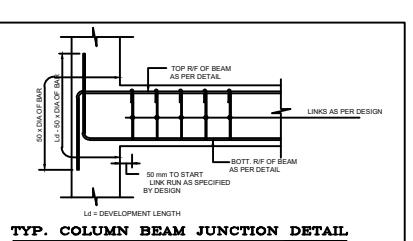
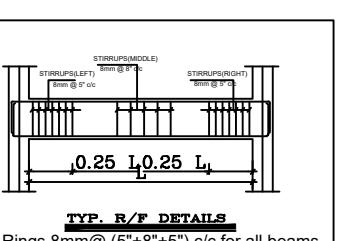
## NOTES:-2

1. ALL DIMENSIONS ARE IN IN FEET AND INCHES
2. ALL CONCRETE MIX M:20 UNLESS OTHERWISE SPECIFIED.
3. ALL TLR 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. WHEREVER SHOWN BEAM BAR SHALL BE ANCHORED INTO COLUMN UP-TO A LENGTH EQUAL TO 50X BAR DIA DISTANCE MEASURED FROM COLUMN FACE
9. BARS TO BE CUT & BENT NEAR OPENINGS/POCKETS.

CLIENT :- Mrs. POONAM KUMARI

## PROJECT :- GROUND FLOOR TIE BEAM

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
SB1	10"	14"	2-T12	2-T16	2-T12	2-T16	T8@5" c/c	T8@5" c/c



## SOUTH



## SLAB. BEAM SECTION

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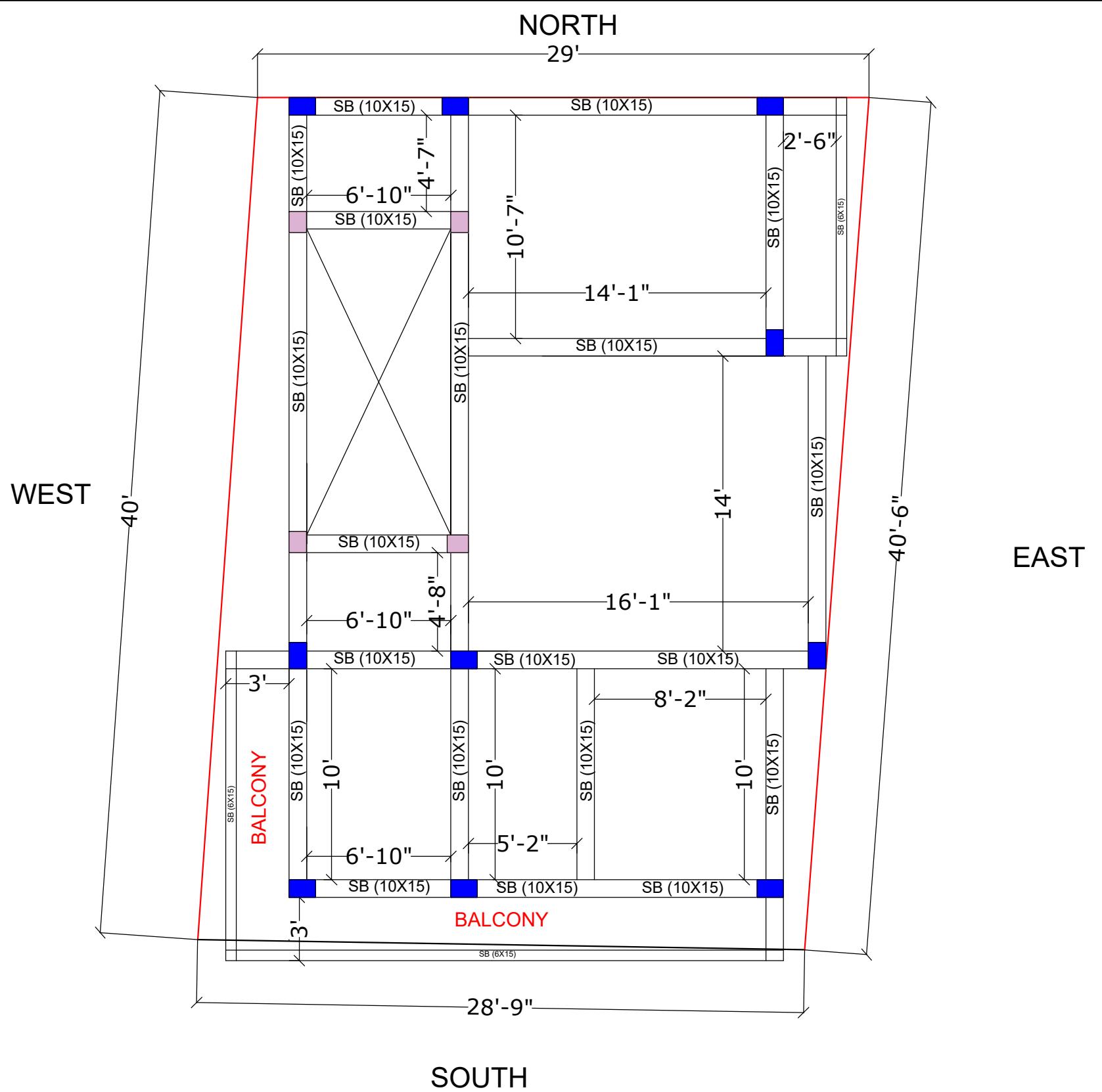
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## TECHNICAL NOTES &amp; INSTRUCTIONS:-

- 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 THE DEPTH OF THE ARCHITECTURAL/STRUCTURAL DRAWINGS AND TAKE APPROPRIATE MEASURES BEFORE EXECUTION AND AMBIGUITY IF ANY NOTICED BY HIM SHALL BE REPORTED TO CONSULTANT FOR NECESSARY ACTION.
- ALL DIMENSIONS ARE IN MM/FOLLOW WRITTEN DIMENSION ONLY.
- ONLY STEEL SHUTTERING / 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 / CHIPS SHALL BE STRICTLY AS PER DESIGN MIX REPORT.
- THE CEMENT CEMENT BAGS / CEMENT CUBES PRE-CASTED ON CONCRETE WORK SITE SHALL CONFORM THE ACCEPTANCE CUBES AS MENTIONED IN IS: 456-2000.
- 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 FIXITY DURING CONCRETE CASTING.
- 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 PILE TEST AND FINAL CONCLUSIONS.
- 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 COMPAKTED BY VIBRATOR.
- NOMINAL COVER (I.E. CLEAR CONCRETE COVER TO ALL REINFORCMENTS, INCLUDING LINKS) FOR FOUNDATION = PILE CAP = 75, COLUMN = 40, BEAM = 30 AND SLAB = 25mm HALL BE PROVIDED.
- PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / B/W PLASTER ETC. 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 CONC. MIX.
- BEFORE CASTING REINFORCEMENT PLACED SHALL BE DULY MEASURED BY ENGR INCHARGE.
- L.D.C = EFFECTIVE DEVELOP. LENGTH CONSIDERING TENSION 49X BAR DIA.
- 18C = SPAN OF THE BEAM, THE LENGTH OF THE REINFORCEMENT WHICH SHALL BE SPANNED 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 30 TIMES DIA OF BAR WHICH IS GREATER.
- 19B) LAP SPLICE IN BEAM SPAN LESS THAN 12M) LAP SHALL BE PROVIDED AS PER APPROVED STR. DRG.
- ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- GRID LINE SHOWS CL. OF WALLS.
- THE FORM WORK FOR (SPAN >4M) BEAMS & SLAB SHALL BE SO ASSEMBLED AS TO PREVENT ANY DEFLECTION.
- CAMBER FOR NORMAL BEAMS SHALL BE 1 IN 250 OF THE SPAN OR 4MM 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.
- STRIPPING TIME FOR 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.
- IN FRAME STRUCTURE ALL EXTERNAL & STAIR WALL SHALL BE 10" THICK AND INTERNAL WALL SHALL BE 5" 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/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 HYSD BARS OF GRADE Fe 500D
- THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.



## NOTES:-2

- ALL DIMENSIONS ARE IN IN FEET AND INCHES
- ALL CONCRETE MIX M:20 UNLESS OTHERWISE SPECIFIED.
- ALL TOP STEEL YIELD STRENGTH 500 N/mm<sup>2</sup>.
- 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.

CLIENT :- Mrs. POONAM KUMARI

PROJECT :- FIRST FLOOR SLAB BEAM

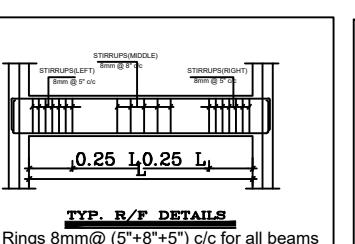
SCALE:-	1:100	ISSUED	04.11.25
Plan Number:-	01		
Design By	Ar. Soni Kumari		
Checked By	Er. Jayprakash Kumar		
Approved By	Jaypro Infratech Pvt.Ltd.		



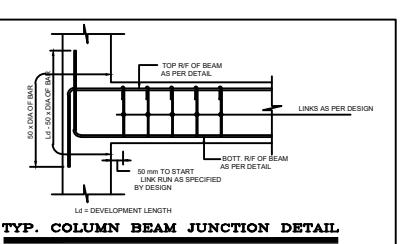
SLAB. BEAM SECTION  
Rings 8mm@ (5"+8"+5") c/c for all beams

## BEAM REINFORCEMENT INDEX

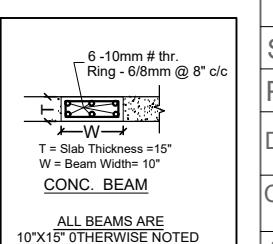
BEAM MKD	SIZE		REINFORCEMENT				STIRRUPS	
			TOP REINF.		BOT. REINF.			
	B	D	TOP.M (t1)	TOP.EXT (t2)	BOT.M (b1)	BOT.EXT (b2)	S1	S2
SB1	10"	15"	2-T16	2-T12	2-T16	2-T12	T8@5" c/c	T8@5" c/c



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



TYP. COLUMN BEAM JUNCTION DETAIL  
TOP R/F OF BEAM AS PER DETAIL  
BOT. R/F OF BEAM AS PER DETAIL  
LINKS AS PER DESIGN  
Ld = DEVELOPMENT LENGTH  
50 mm TO START LINK RUN AS SPECIFIED BY DESIGN



6-10mm # thr.  
Ring - 6/8mm @ 8" c/c  
T = Slab Thickness = 15"  
W = Beam Width= 10"  
CONC. BEAM  
ALL BEAMS ARE 10"X15" OTHERWISE NOTED

### TECHNICAL NOTES & INSTRUCTIONS:-

NOTES AND INSTRUCTIONS INDICATED BELOW SHALL BE FOLLOWED WITH OUT 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 NOTICED BY HIM SHALL BE REPORTED TO CONSULTANT, FOR NECESSARY ACTION. ALL DIMENSIONS ARE IN MM FOLLOW WRITTEN DIMENSION ONLY.

ONLY STEEL SHUTTERING / 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 / CHIPS 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 I.S. 456. 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 FIXITY DURING CONCRETE PLACEMENT.

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 COMPAKTED BY VIBRATOR. NOMINAL COVER (I.E. CONCRETE CLEAR COVER TO ALL REINFORCEMENTS, INCLUDING LINKS) FOR FOUNDATION = 50, PILE CAP - 75, COLUMN = 40, BEAM = 30 AND SLAB = 25mm HALL BE PROVIDED.

PROPER CURING OF R.C.C. SLAB / COLUMN / FOUNDATION / B/W PLASTER ETC. 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 CONC. MIX.

BEFORE CASTING REINFORCEMENT PLACED SHALL BE DULY MEASURED BY ENGR INCHARGE. LTD. -EFFECTIVE DEVELOP LENGTH CONSIDERING TENSION 49X BAR DIA.

LDC = EFFECTIVE DEVELOP LENGTH CONSIDERING COMPRESSION 39X BAR DIA.

1) LAP SPLICE - NOT MORE THAN 50% OF AREA OF STEEL (LONG) IN COLUMN BARS SHALL BE SPLICED 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 30 TIMES DIA OF BAR WHICH IS GREATER.

2) LAP SPLICE IN BEAM SPAN LESS THAN 12M SHALL BE AVOIDED IN NORMAL CASE. IN LONGER SPAN (L > 12M) LAP SHALL BE PROVIDED AS PER APPROVED STR. DRG.

ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.

GRID LINE SHOWS CL 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 4MM PER METER OF SPAN AT THE CENTRAL POINT

FOR LONG SPAN BEAMS /SLAB CAMBER AT THE FREE END SHALL BE SPAN / 50 OF THE SUBJECTED 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 I.S. 456-2000 WHICH SHALL BE CHECKED BY E.E./A.E.

IN FRAME STRUCTURE ALL EXTERNALS & STAIR WALL SHALL BE 10"THICK AND INTERNAL WALL SHALL BE 5" 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/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 HYSD BARS OF GRADE Fe 500D

THIS DRAWING SHALL BE READ WITH THE APPROVED ARCHITECTURAL DRAWINGS.

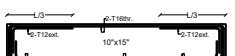
## OTES:-2

ALL DIMENSIONS ARE IN IN FEET AND INCHES  
ALL CONCRETE MIX M:20 UNLESS OTHERWISE  
SPECIFIED.  
ALL TOR 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.

CLIENT :- Mrs. POONAM KUMARI

## PROJECT :- SECOND FLOOR SLAB BEAM

CALE:-	1:100	ISSUED	04.11.25
an Number:-	01		
esign By	Ar. Soni Kumari		
checked By	Er. Jayprakash Kumar		
IP	Architectural IP 1111		

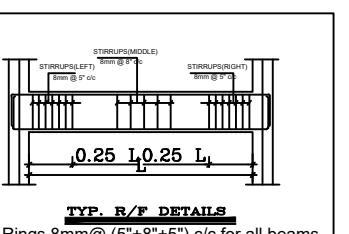


SB (10"X15")

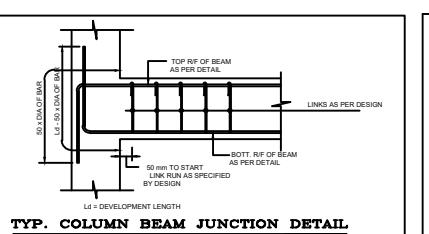
## SLAB. BEAM SECTION

## BEAM REINFORCEMENT INDEX

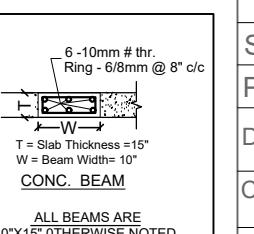
BEAM MKD	SIZE		REINFORCEMENT				STIRRUPS	
			TOP REINF.		BOT. REINF.			
	B	D	TOP.M (t1)	TOP.EXT (t2)	BOT.M (b1)	BOT.EXT (b2)	S1	S2
SB1	10"	15"	2-T16	2-T12	2-T16	2-T12	T8@5" c/c	T8@5" c/c



**TYP. R/F DETAILS**



**Ld = DEVELOPMENT LENGTH**



ALL BEAMS ARE

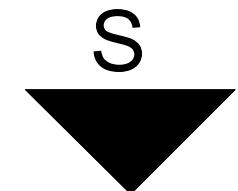
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LEGEND		
SYMBOL	DESCRIPTION	HEIGHT
△	CEILING FAN	ON CEILING
◆	CHANDELIER LIGHT POINT	ON CEILING
—	40WX40" TUBE LIGHT FITTING	8'6"
○	BLUB	8'6"
●	NIGHT BLUB	8'6"
■	C.F.L	ON CEILING
○○	SPORT LIGHT	ON CEILING
○○	CEILING LIGHT	ON CEILING
○○	FLASH JUNCTION BOX	ON CEILING
SB	SWITCH BOARD	4'6" HT
BS	BED SWITCH	2'6" HT
—	TWO WAY SWITCH	ON SWITCH
—	5 AMPS SWITCH SOEKET	1'6" HT
—	15 AMPS SWITCH SOEKET	1'6" HT
—	25 AMPS SWITCH SOEKET (A.C)	1'6" HT
—	CALL BELL BUZZER	1'6" HT
—	CALL BELL PUSH	4'6" HT
—	OUT LET FOR TELEPHONE	1'6" HT
—	OUT LET FOR TV	1'6" HT
○	EXHAUST FAN (IN TOI & KIT)	
—	TABLE LAMP	
—	ROOT OF TV TELEPHONE WIRING	
—	ROOT OF POINT WIRING (25MM)	
—	ROOT OF POINT WIRING (19MM)	
—	ROOT OF CIRCUIT WIRING (19MM)	
—	ROOT OF SUB MAIN WIRING (25MM)	
—	WALL FAN	
—	DISTRIBUTION BOARD	
—	METERING PANAL	



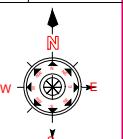
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CLIENT :- Mrs. POONAM KUMARI

PROJECT :- Ground Floor Electric design

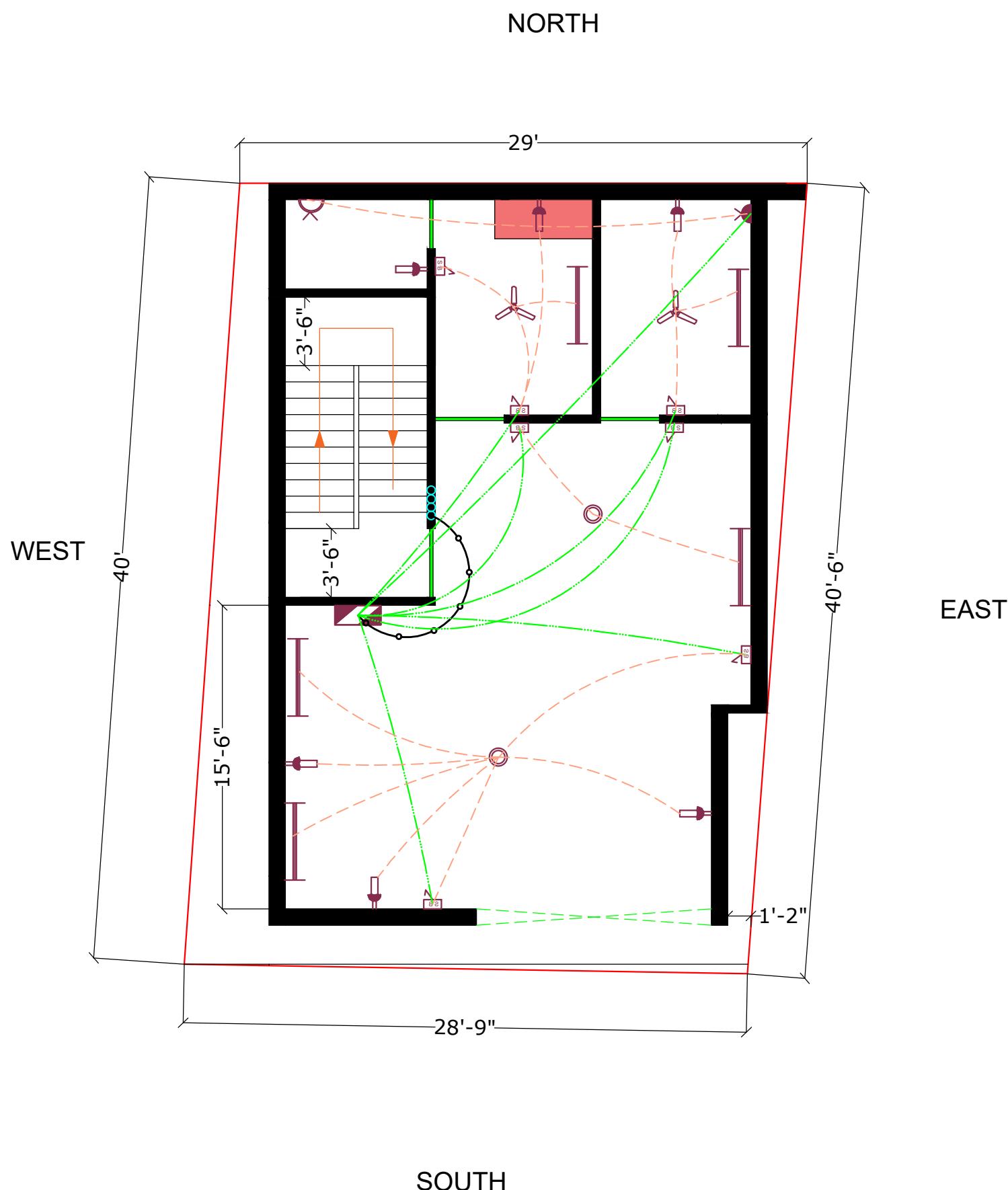
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Plan Number:- 11

Design By Ar. Soni Kumari  
Checked By Er. Jayprakash Kumar  
Approved By Jaypro Infratech Pvt.Ltd.



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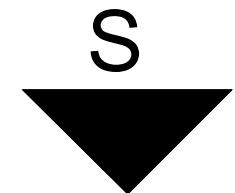
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Building Construction With Material

LEGEND		
SYMBOL	DESCRIPTION	HEIGHT
triangle	CEILING FAN	ON CEILING
star	CHANDELIER LIGHT POINT	ON CEILING
rectangle	40WX40" TUBE LIGHT FITTING	8'6"
circle	BLUB	8'6"
circle with dot	NIGHT BLUB	8'6"
square	C.F.L	ON CEILING
circle with cross	SPORT LIGHT	ON CEILING
circle with dot and cross	CEILING LIGHT	ON CEILING
circle with dot and cross	FLASH JUNCTION BOX	ON CEILING
rectangle with SB	SWITCH BOARD	4'6" HT
rectangle with BS	BED SWITCH	2'6" HT
square with dot	TWO WAY SWITCH	ON SWITCH
circle with dot and cross	5 AMPS SWITCH SOEKET	1'6" HT
circle with dot and cross	15 AMPS SWITCH SOEKET	1'6" HT
circle with dot and cross	25 AMPS SWITCH SOEKET (A.C)	1'6" HT
triangle with dot	CALL BELL BUZZER	1'6" HT
square with dot	CALL BELL PUSH	4'6" HT
circle with dot	OUT LET FOR TELEPHONE	1'6" HT
circle with dot	OUT LET FOR TV	1'6" HT
triangle with dot	EXHAUST FAN (IN TOI & KIT)	
triangle	TABLE LAMP	
red line	ROOT OF TV TELEPHONE WIRING	
green line	ROOT OF POINT WIRING (25MM)	
black line	ROOT OF POINT WIRING (19MM)	
green line	ROOT OF CIRCUIT WIRING (19MM)	
black line	ROOT OF SUB MAIN WIRING (25MM)	
triangle	WALL FAN	
rectangle with diagonal line	DISTRIBUTION BOARD	
rectangle with diagonal line	METERING PANAL	



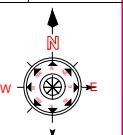
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CLIENT :- Mrs. POONAM KUMARI

PROJECT :- First Floor Electric design

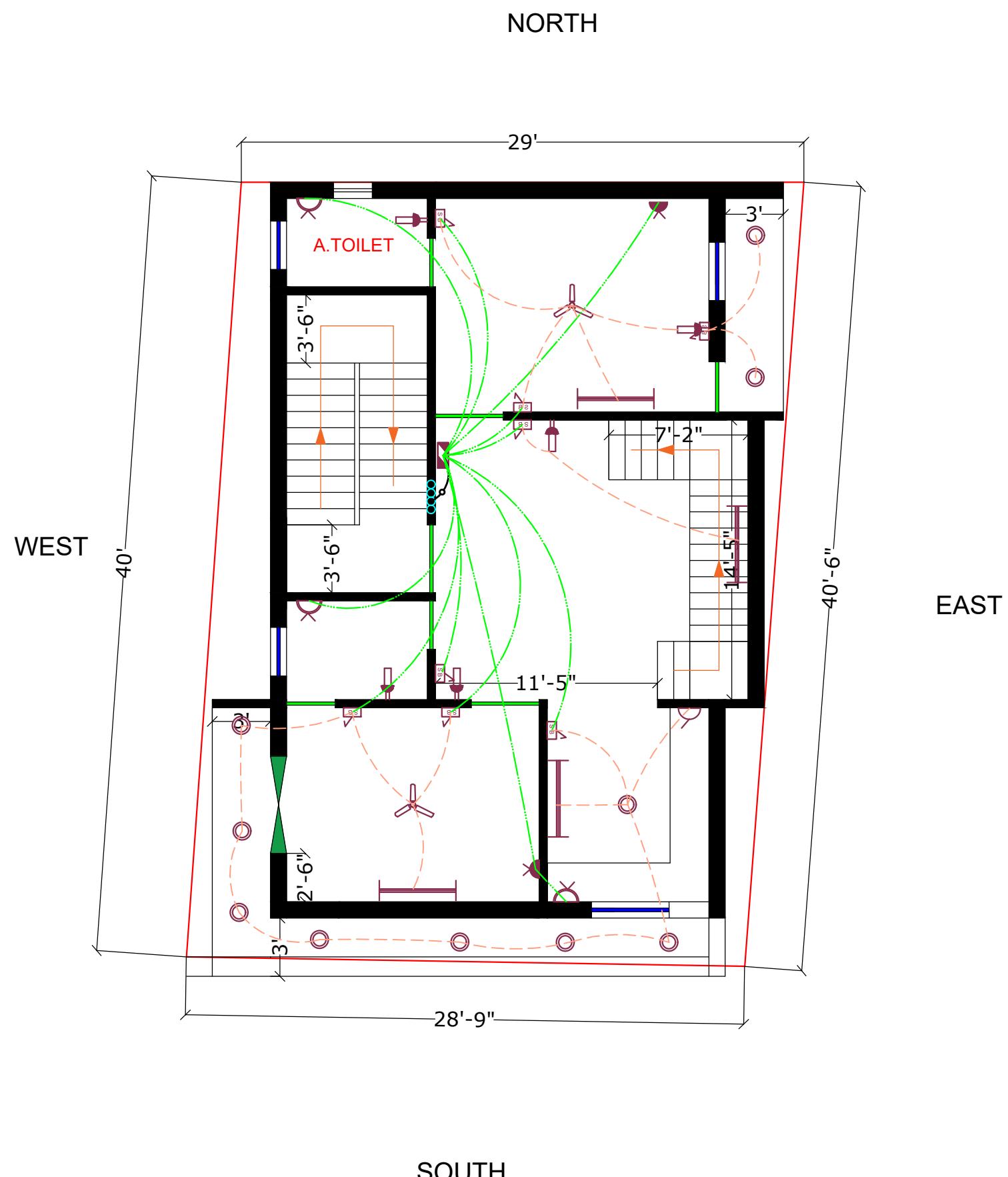
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Design By Ar. Soni Kumari  
Checked By Er. Jayprakash Kumar  
Approved By Jaypro Infratech Pvt.Ltd.



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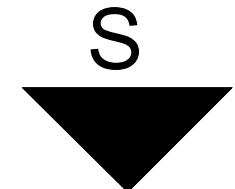
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## LEGEND

SYMBOL	DESCRIPTION	HEIGHT
△	CEILING FAN	ON CEILING
◇	CHANDELIER LIGHT POINT	ON CEILING
—	40WX40" TUBE LIGHT FITTING	8'6"
—○—	BLUB	8'6"
—●—	NIGHT BLUB	8'6"
—□—	C.F.L	ON CEILING
○○	SPORT LIGHT	ON CEILING
○○	CEILING LIGHT	ON CEILING
○○	FLASH JUNCTION BOX	ON CEILING
—○—	SWITCH BOARD	4'6" HT
—○—	BED SWITCH	2'6" HT
—○—	TWO WAY SWITCH	ON SWITCH
—○—	5 AMPS SWITCH SOEKET	1'6" HT
—○—	15 AMPS SWITCH SOEKET	1'6" HT
—○—	25 AMPS SWITCH SOEKET (A.C)	1'6" HT
—○—	CALL BELL BUZZER	1'6" HT
—○—	CALL BELL PUSH	4'6" HT
—○—	OUT LET FOR TELEPHONE	1'6" HT
—○—	OUT LET FOR TV	1'6" HT
—○—	EXHAUST FAN (IN TOI & KIT)	
—○—	TABLE LAMP	
—	ROOT OF TV TELEPHONE WIRING	
—	ROOT OF POINT WIRING (25MM)	
—	ROOT OF POINT WIRING (19MM)	
—	ROOT OF CIRCUIT WIRING (19MM)	
—	ROOT OF SUB MAIN WIRING (25MM)	
—○—	WALL FAN	
—○—	DISTRIBUTION BOARD	
—○—	METERING PANAL	



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CLIENT :- Mrs. POONAM KUMARI

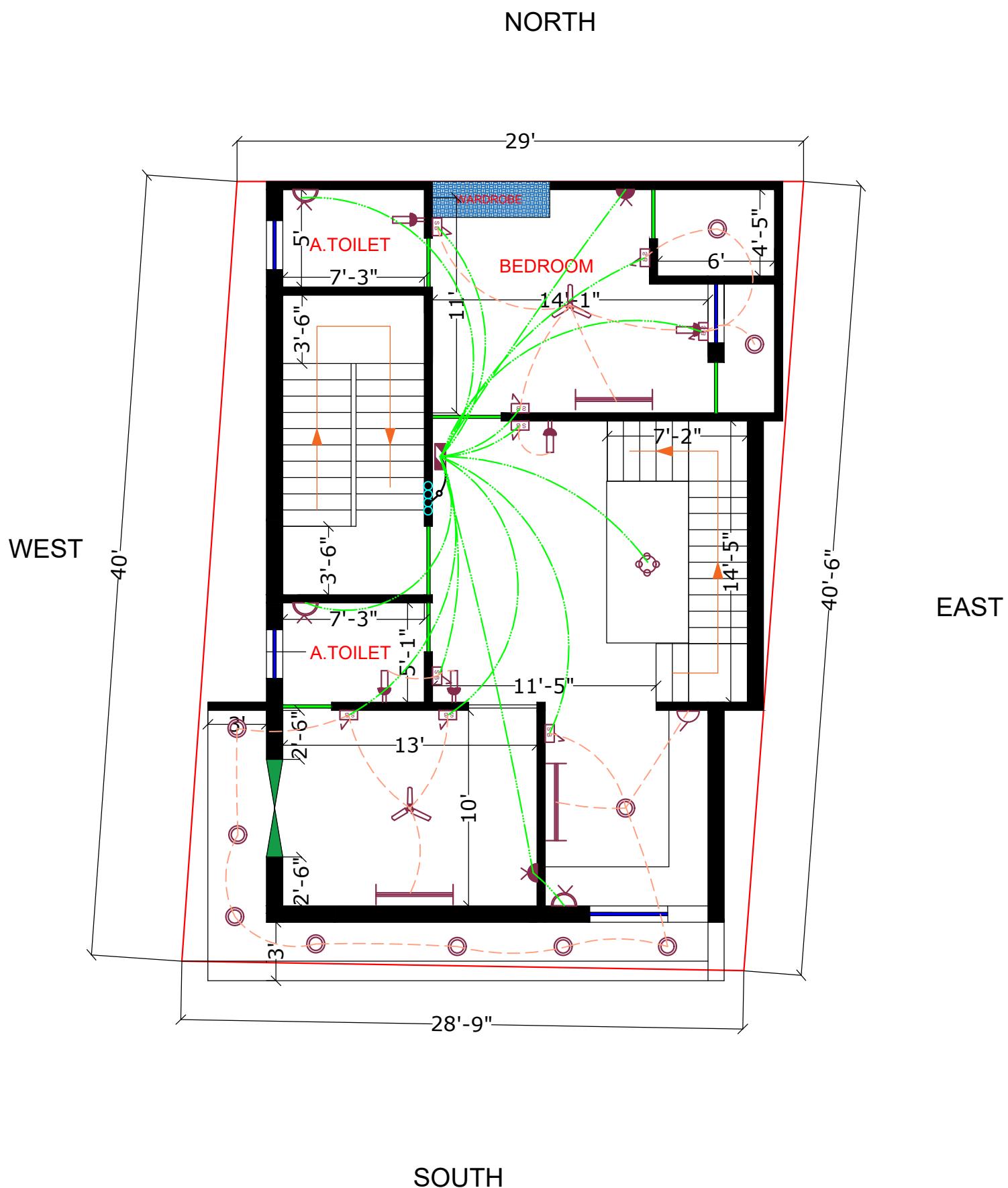
PROJECT :- Second Floor Electric design

SCALE:- 1:100 ISSUED 29.11.25  
Plan Number:- 11

Design By	Ar. Soni Kumari	
Checked By	Er. Jayprakash Kumar	
Approved By	Jaypro Infratech Pvt.Ltd.	

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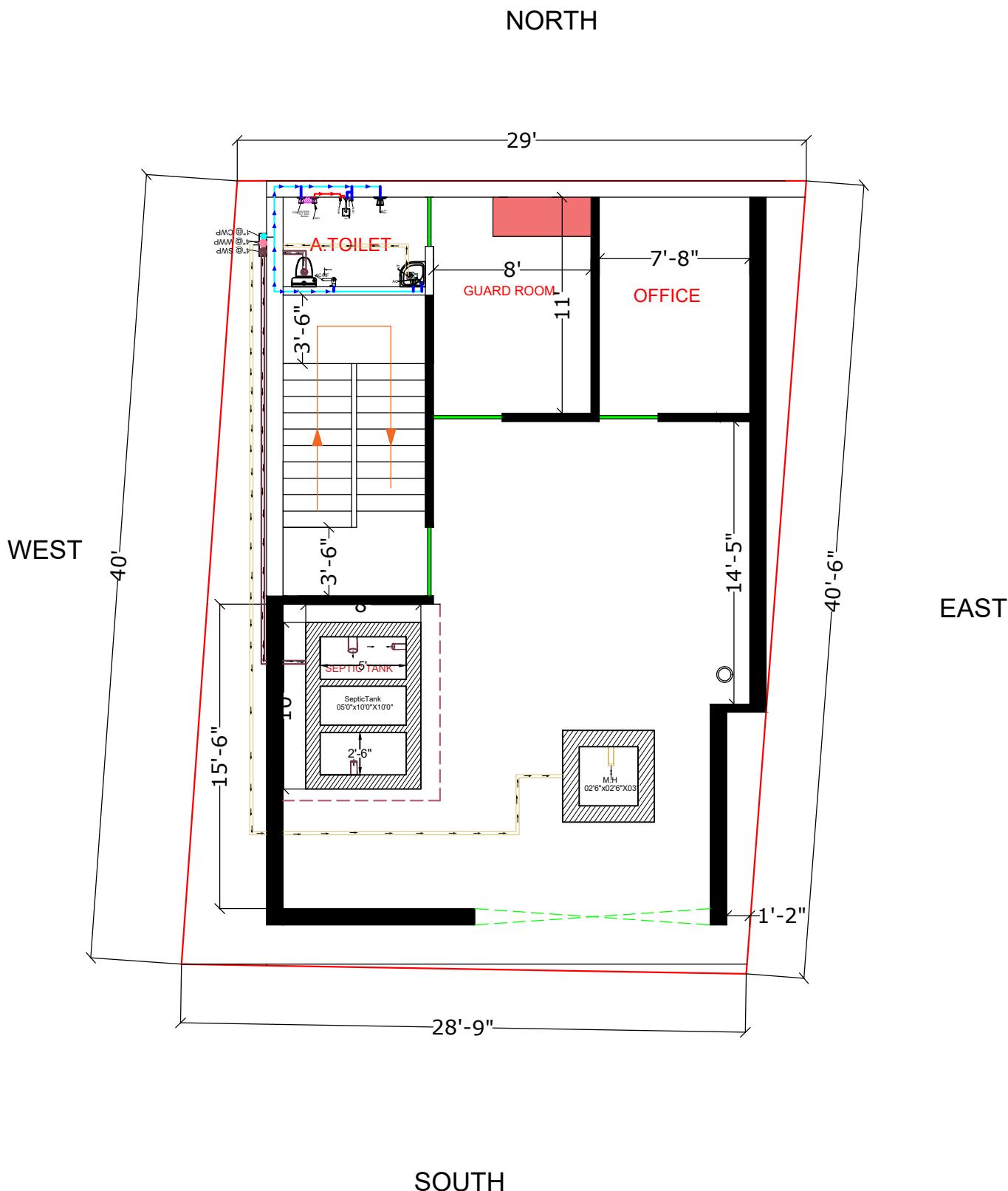
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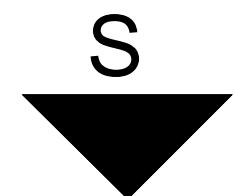
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## LEGEND:-

NT- ANTI  
AC- ANGLE COCK at 3' h  
AC/HF- ANGLE COCK/HEALTH FAUCET GUN at 2' h  
CWI- COLD WATER IN at 7' h  
HWO- HOT WATER OUT at 7' h  
HWM- HOT WATER MIXER at 4' h  
CWM- COLD WATER MIXER at 4' h  
TAP- TAP at 3' h  
HS- HEAD SHOWER at 7' h  
BT- BOTTLE TRAP  
MP- METROPOLE FLUSH at 3' h  
AC-HW- ANGLE COCK FOR HOT WATER at 2' h  
AC-CW- ANGLE COCK FOR COLD WATER at 2' h  
BT - BOTTLE TRAP  
RWP- RAIN WATER PIPE  
1/2" @ COLD WATER PIPE - SH-40 UPVC  
3/4" @ HOT WATER PIPE - CPVC SDR - 11 PIPE  
1" @ COLD WATER PIPE - UPVC PIPE  
21/2" @ WASTE WATER PIPE - 6KG/CM2 PVC FOR WASH BASIN  
4" @ WASTE WATER LINE - 6KG/CM2 PVC PIPE  
6" @ SOIL WATER LINE - 6KG/CM2 PVC PIPE  
RISER - 2" @ COLD WATER DOWNTAKE - SH - 40 PVC PIPE  
CWP - 2" @ COLD WATER PIPE - SH-40 PVC  
WWP - 4" @ WASTE WATER PIPE - PVC 6 KG/CM2  
SWP - 6" @ SOIL WATER PIPE - PVC 6 KG/CM2



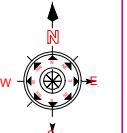
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CLIENT :-  
Mrs. POONAM KUMARI

PROJECT :-  
Ground Floor plumbing design

SCALE:- 1:100 ISSUED 29.11.25  
Plan Number:- 11

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  
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NORTH



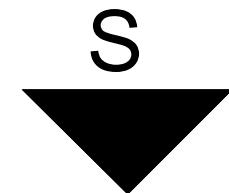
WEST

EAST

SOUTH

## LEGEND:-

NT- ANTI  
AC- ANGLE COCK at 3' h  
AC/HF- ANGLE COCK/HEALTH FAUCET GUN at 2' h  
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1" @ COLD WATER PIPE - UPVC PIPE  
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4" @ WASTE WATER LINE - 6KG/CM2 PVC PIPE  
6" @ SOIL WATER LINE - 6KG/CM2 PVC PIPE  
RISER - 2" @ COLD WATER DOWNTAKE - SH - 40 PVC PIPE  
CWP - 2" @ COLD WATER PIPE - SH-40 PVC  
WWP - 4" @ WASTE WATER PIPE - PVC 6 KG/CM2  
SWP - 6" @ SOIL WATER PIPE - PVC 6 KG/CM2



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CLIENT :- Mrs. POONAM KUMARI

PROJECT :- First Floor plumbing design

SCALE:- 1:100 ISSUED 29.11.25  
Plan Number:- 11

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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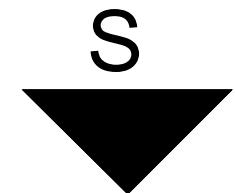
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## LEGEND:-

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AC- ANGLE COCK at 3' h  
AC/HF- ANGLE COCK/HEALTH FAUCET GUN at 2' h  
CWI- COLD WATER IN at 7' h  
HWO- HOT WATER OUT at 7' h  
HWM- HOT WATER MIXER at 4' h  
CWM- COLD WATER MIXER at 4' h  
TAP- TAP at 3' h  
HS- HEAD SHOWER at 7' h  
BT- BOTTLE TRAP  
MP- METROPOLE FLUSH at 3' h  
AC-HW- ANGLE COCK FOR HOT WATER at 2' h  
AC-CW- ANGLE COCK FOR COLD WATER at 2' h  
BT - BOTTLE TRAP  
RWP- RAIN WATER PIPE  
1/2" @ COLD WATER PIPE - SH-40 UPVC  
3/4" @ HOT WATER PIPE - CPVC SDR - 11 PIPE  
1" @ COLD WATER PIPE - UPVC PIPE  
21/2" @ WASTE WATER PIPE - 6KG/CM2 PVC FOR WASH BASIN  
4" @ WASTE WATER LINE - 6KG/CM2 PVC PIPE  
6" @ SOIL WATER LINE - 6KG/CM2 PVC PIPE  
RISER - 2" @ COLD WATER DOWNTAKE - SH - 40 PVC PIPE  
CWP - 2" @ COLD WATER PIPE - SH-40 PVC  
WWP - 4" @ WASTE WATER PIPE - PVC 6 KG/CM2  
SWP - 6" @ SOIL WATER PIPE - PVC 6 KG/CM2



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CLIENT :- Mrs. POONAM KUMARI

PROJECT :- Second Floor plumbing design

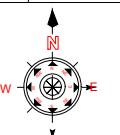
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Plan Number:- 11

Design By Ar. Soni Kumari

Checked By Er. Jayprakash Kumar

Approved By Jaypro Infratech Pvt.Ltd.



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