



• CONSULT • CONSTRUCT • INTERIOR

PROJECT BY VASTUSARVADA GROUP 2025

Client Name: Ajay Awasthi Sir

Location : Kanchanwadi, chh. Sambhajinagar

Plot area: 1000 Sq.Ft

Built up Area: 2500 Sq.Ft

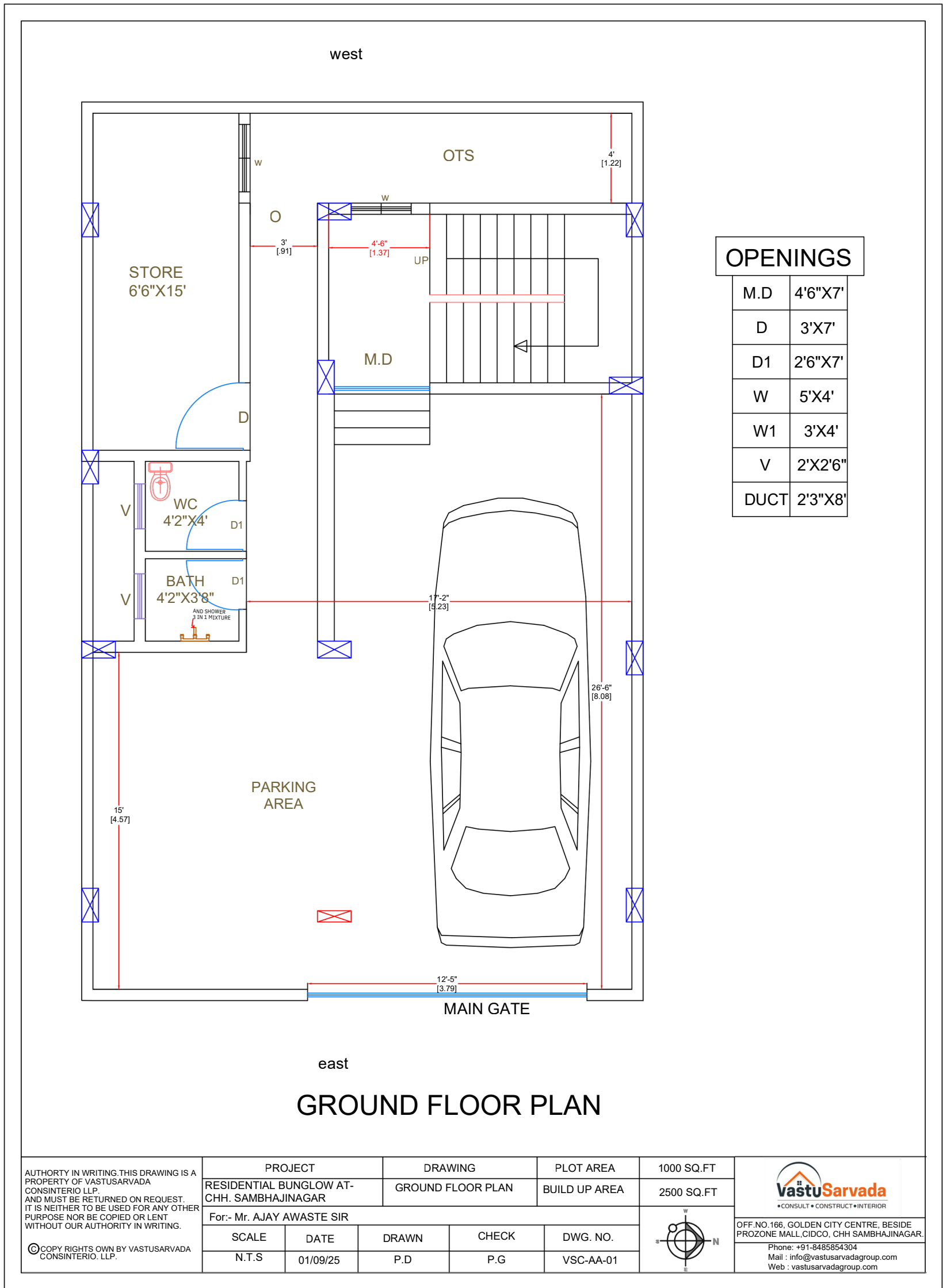
Nature of Work:

Design & Consulting

INDEX

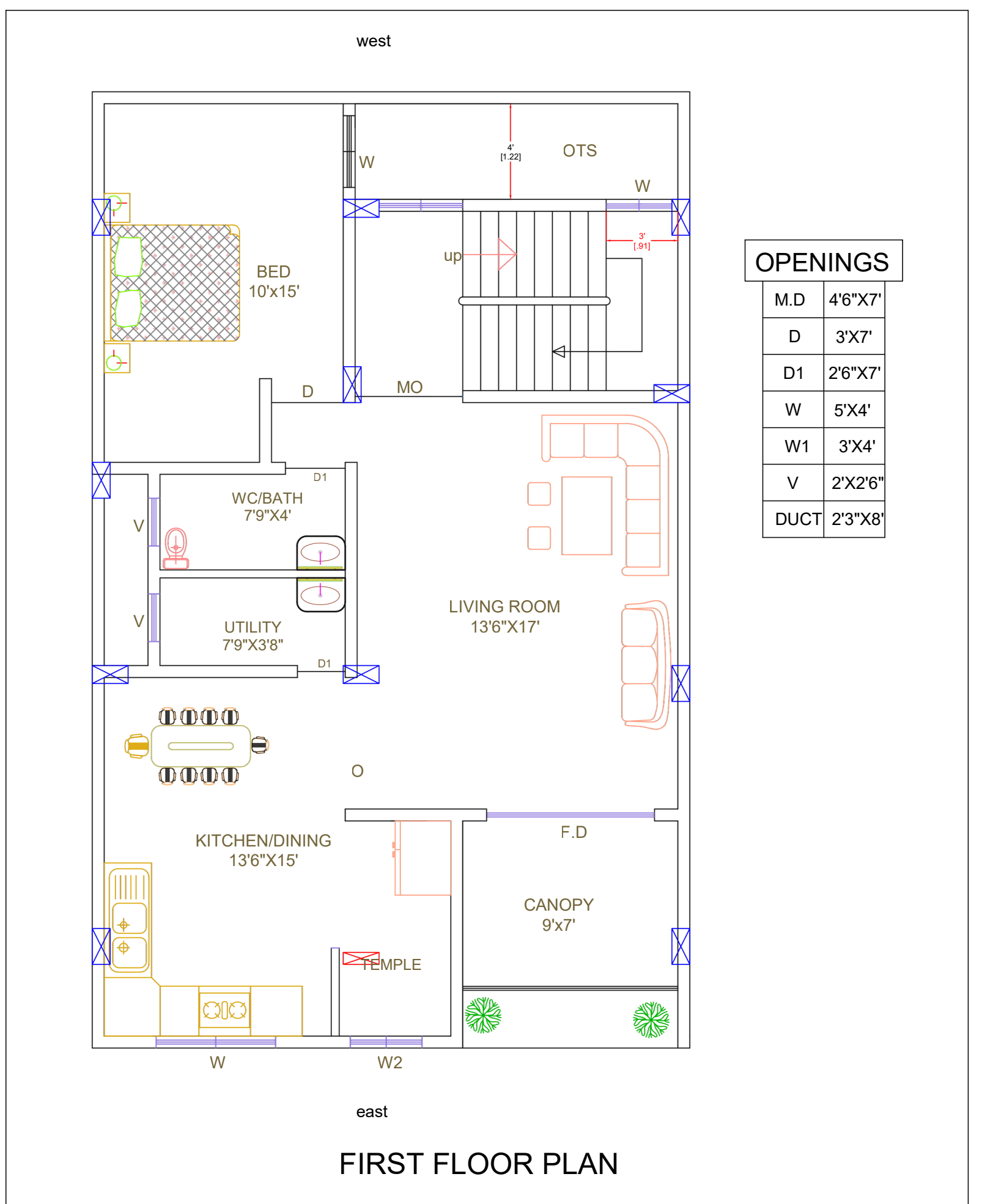
Sr. No.	DESCRIPTION	Page No.
1	BUILDING PERMISSION & BANK ESTIMATE	-
2	FLOOR PLANS & FURNITURE LAYOUT	3-5
3	CENTERLINE LAYOUT	6
4	FOOTING-COLUMN STEEL DESIGN	7
5	GROUND & PLINTH BEAM STEEL DESIGN	8-9
6	PLUMBING LAYOUT	10-12
7	SLAB BEAM DESIGN	13-16
8	ELECTRIC LAYOUT	17-19
9	BRICKWORK LAYOUT	20-23
10	3D ELEVATION	24
11	3D WORKING DESIGN	25-26
12	SITE PHOTOS	-
13	SITE VISIT SCHEDULE	-
14	COMPLETION CERTIFICATE	-





- Room sizes, wall thickness, window & door positions clearly shown.
- वास्तुशास्त्राच्या तत्वांनुसार खोल्यांचे माप, भिंतीची जाडी, खिडक्या-दारे यांची स्थिती दाखवलेली.
- Helps in understanding proper house layout before construction.
- घर बांधण्याआधी योग्य लेआउट समजण्यास मदत.

- Placement of bed, sofa, dinning, wardrobe, kitchen units, etc.
- पलंग, सोफा, डायनिंग, कपाटे, किचन युनिट्स कुठे ठेवायचे याचे नियोजन.
- Designed for maximum space utilization & comfort.
- जागेचा जास्तीत जास्त वापर व सोयीस्कर वापर.

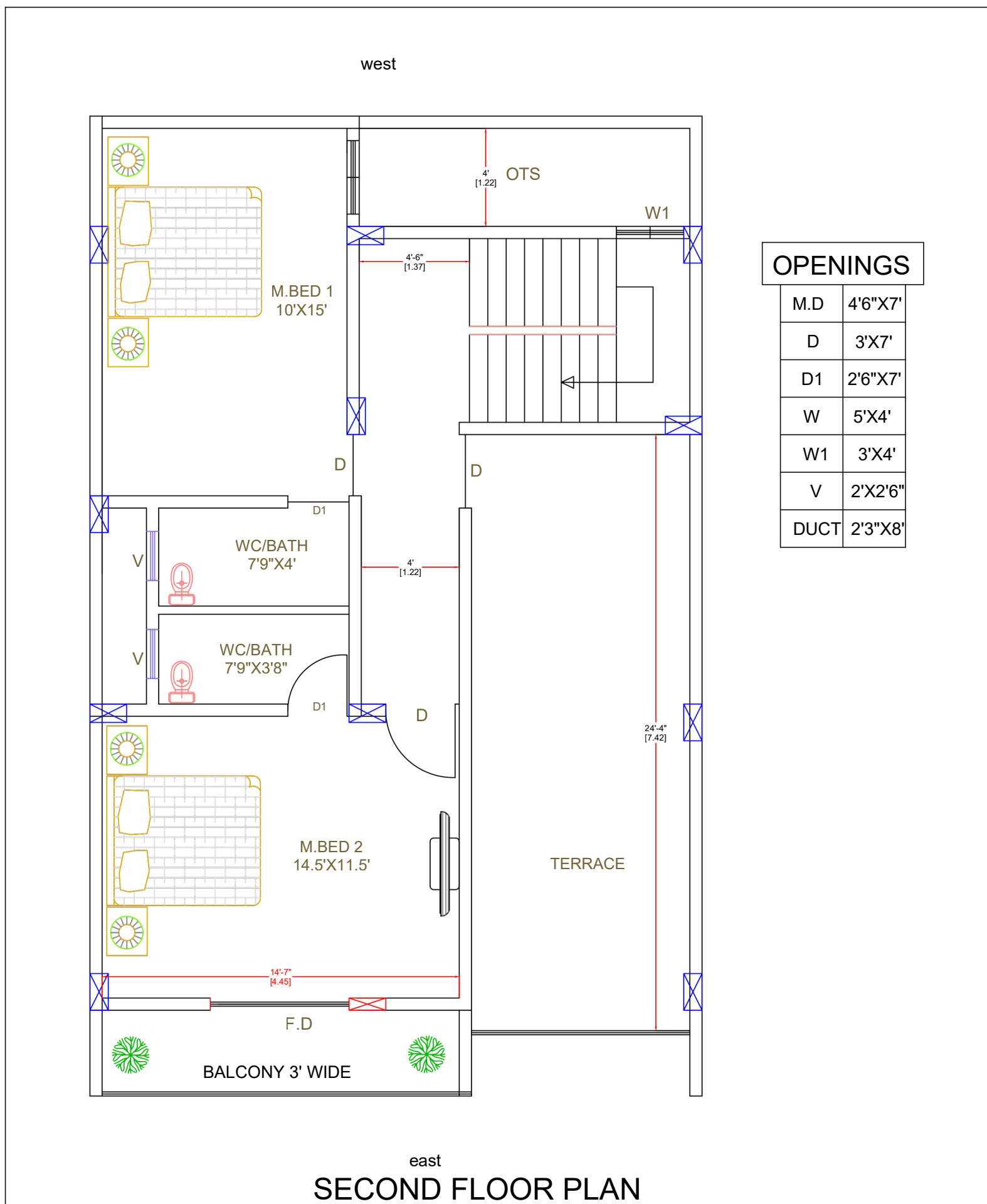


OPENINGS	
M.D	4'6"X7'
D	3'X7'
D1	2'6"X7'
W	5'X4'
W1	3'X4'
V	2'X2'6"
DUCT	2'3"X8'

FIRST FLOOR PLAN

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	RESIDENTIAL BUNGLOW AT-CHH. SAMBAJINAGAR		FIRST FLOOR PLAN		BUILD UP AREA		2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR							
	SCALE	DATE	DRAWN	CHECK	DWG. NO.			
N.T.S	01/09/25	P.D	P.G	VSC-AA-02		<small>OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL,CIDCO, CHH SAMBAJINAGAR.</small> <small>Phone: +91-8485854304</small> <small>Mail : info@vastusarvadagroup.com</small> <small>Web : vastusarvadagroup.com</small>		

- Room sizes, wall thickness, window & door positions clearly shown.
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OPENINGS

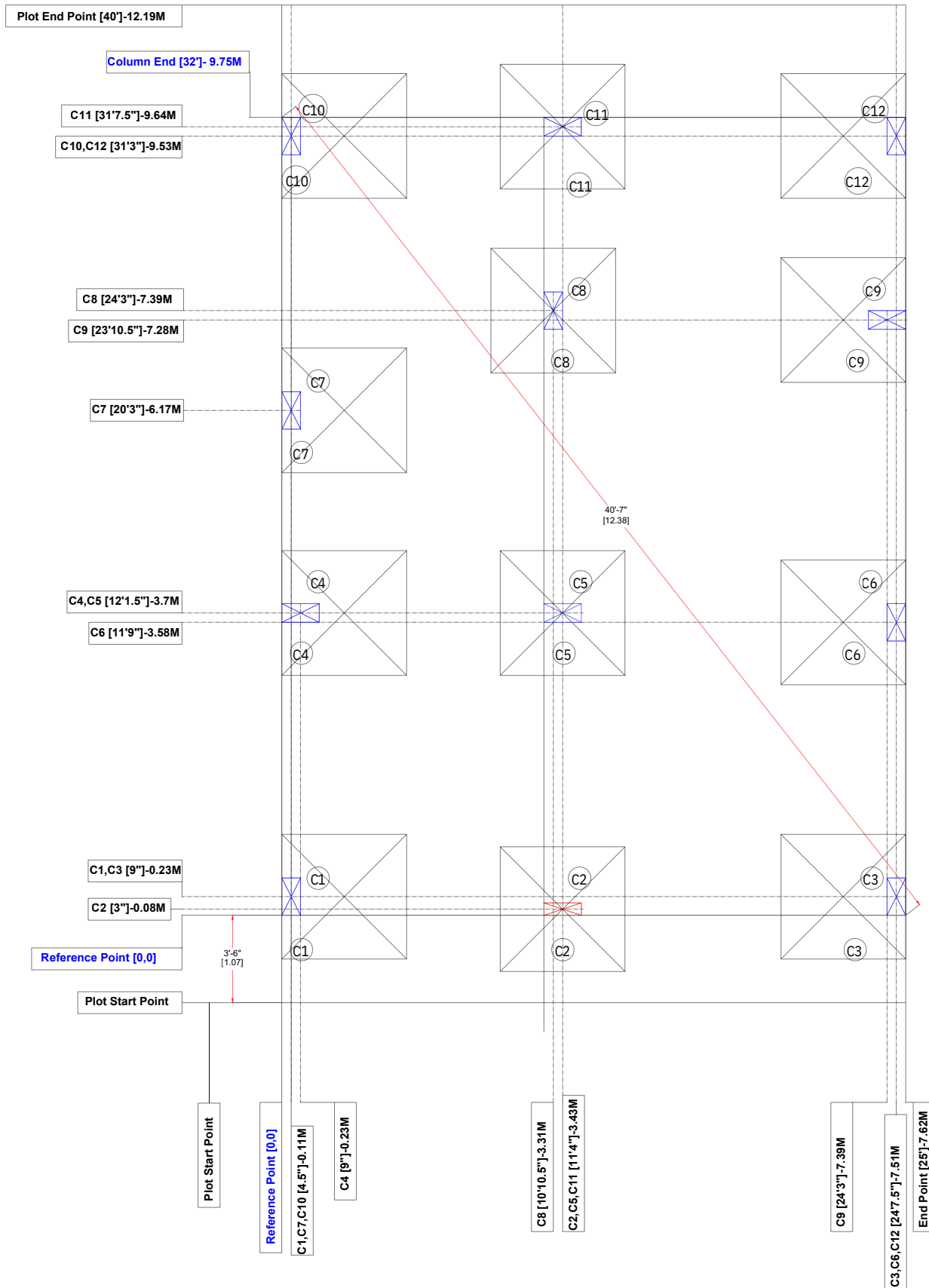
M.D	4'6"X7'
D	3'X7'
D1	2'6"X7'
W	5'X4'
W1	3'X4'
V	2'X2'6"
DUCT	2'3"X8'

SECOND FLOOR PLAN


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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		SECOND FLOOR PLAN		BUILD UP AREA		2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR							
	SCALE	DATE	DRAWN	CHECK	DWG. NO.			
N.T.S	01/09/25	P.D	P.G	VSC-AA-03		<p>OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL,CIDCO, CHH SAMBHAJINAGAR.</p> <p>Phone: +91-8485854304 Mail: info@vastusarvadagroup.com Web: vastusarvadagroup.com</p>		

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Centerline Layout

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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		CENTERLINE LAYOUT		BUILD UP AREA			1000 SQ.FT
	For:- Mr. AJAY AWASTE SIR						2500 SQ.FT	<p>OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL,CIDCO, CHH SAMBHAJINAGAR.</p> <p>Phone: +91-8485854304 Mail : info@vastusarvadagroup.com Web : vastusarvadagroup.com</p>
	SCALE	DATE	DRAWN	CHECK	DWG. NO.			
N.T.S	01/09/25	P.D	S.K	VSC-AA-04				

- In construction, the centerline serves as the primary reference line for measurements. It ensures the accurate positioning of walls, columns, and other structural elements.
- बांधकामामध्ये सेंटरलाइन ही मोजणीची मूलभूत रेफरन्स लाईन असते. तिच्या आधारे भिंती, कॉलम व इतर सर्व स्ट्रक्चरल घटकांची अचूक पोजिशन निश्चित होते.

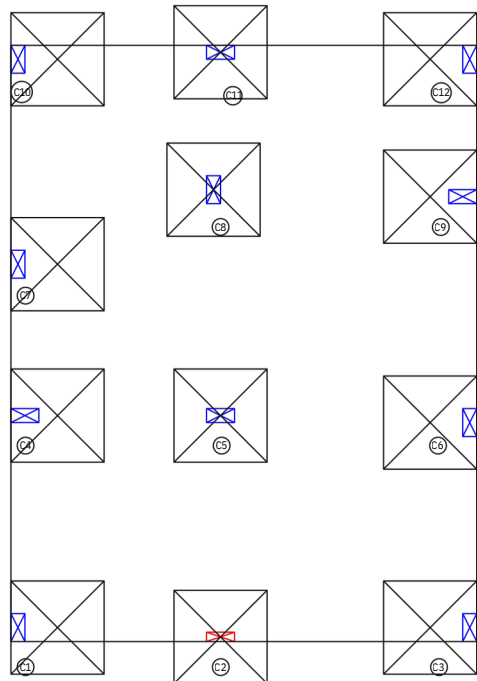
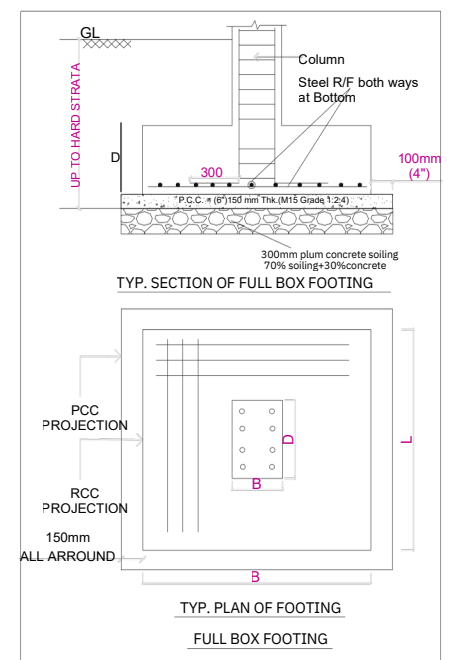
FOOTING & COLUMN STEEL DESIGN

SCHEDULE OF COLUMN (Design of G+2 = 3 slab)

SR.NO.	COLUMN.NOS.	SIZE		STEEL		SHAPE & ARRANGEMENT OF TIES	REMARK
		B	D	MAIN STEEL	LINKS		
1	C1,C3,C4,C5, C6,C7 C8,C9,C10,C11,C12	230	450	4nos -16Ø 4nos -12Ø	6Ø 150c/c	16Ø 12Ø ALTERNATE DOUBLE RING	
2	C2	150	450	4nos -16 4nos -12	6Ø 150c/c	16Ø 12Ø ALTERNATE DOUBLE RING	

SCHEDULE OF FOOTING (Design of G+2 = 3 slab)

SR.NO.	FOOTING.NOS.	SIZE		PCC(1:3:6) 150 MMTHK	FLAT DEPTH	STEEL		REMARK
		B	D			SHORT SIDE	LONG SIDE	
1	C2,C6,C8,C11	1500	1500	1550	400mm	10mm@150c/c	10mm@150c/c	
2	C1,C3,C4,C6, C7,C9,C10,C12	1500	1500	1550	400mm	10mm@150c/c	10mm@150c/c	ECCENTRIC

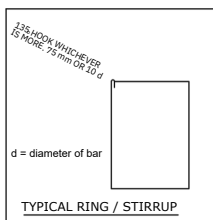


CONSTRUCTION NOTE :-

1. Check the centering column / slab / beam / staircase before placing the reinforcement in place.
2. Refer architecture drawing only for level, dimension, etc.
3. Refer rcc drawing for member sizes & steel details r/f section.

DEVELOPMENT LENGTH (LD= 50Xd)

BAR DIAMETER	MINIMUM LAP LENGTH
10 MM	500 MM
12 MM	600 MM
16 MM	800 MM
16 MM	1000 MM



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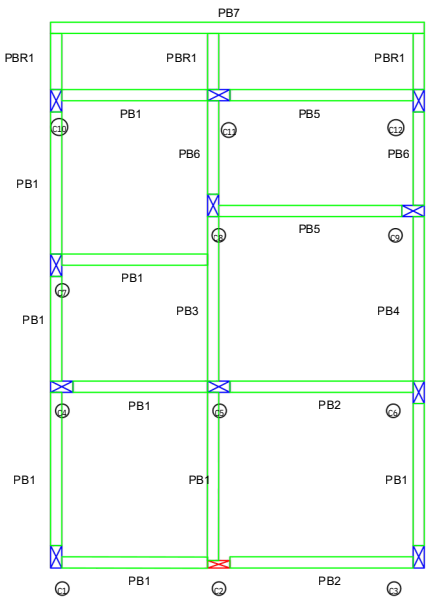
PROJECT		DRAWING		PLOT AREA	
RESIDENTIAL BUNGLOW AT- CHH. SAMBAJINAGAR		FOOTING-COLUMN STEEL DESIGN		1000 SQ.FT	
For:- Mr. AJAY AWASTE SIR				2500 SQ.FT	
SCALE	DATE	DRAWN	CHECK	DWG. NO.	
N.T.S	01/09/25	P.D	S.K	VSC-AA-05	

VastuSarvada
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Mail: info@vastusarvadagroup.com
Web: vastusarvadagroup.com

- Foundation, columns design- पाया, खांब यांचे डिझाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कॅल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.

GROUND BEAM

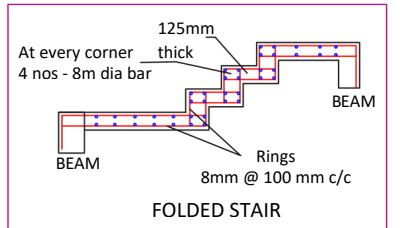
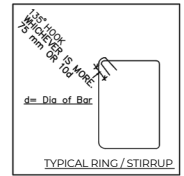
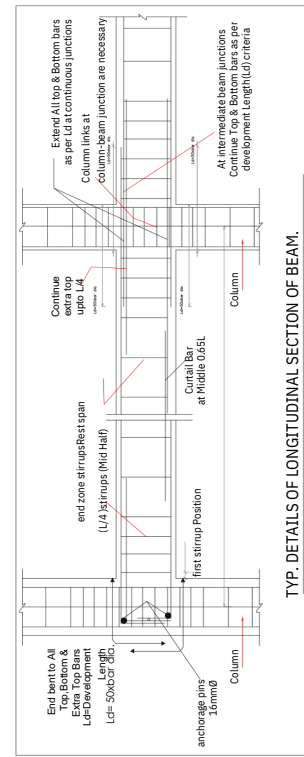


STRUCTURAL LAYOUT OF GROUND BEAM

SCHEDULE OF BEAMS AT GROUND LEVEL

Sr. No.	Beam Group	Size B x D	Straight Top Bar	Straight Bott. Bars	Curt. Bar Middle 0.6L	Extra Top Ends L/4	Stirrups End zone L/4	Stirrups Middle half
01	PB1	230 X 380	2 - 10 Dia	3 - 12 Dia	---	---	06 dia - 150 c/c	06 dia - 175 c/c
02	PB2	230 X 380	2 - 10 Dia	3 - 12 Dia	---	2 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c
03	PB3	230 X 380	2 - 10 Dia	3 - 12 Dia	---	1 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c
04	PB4	230 X 380	2 - 12 Dia	2 - 16 Dia	---	---	06 dia - 150 c/c	06 dia - 175 c/c
05	PB5	230 X 380	2 - 12 Dia	2 - 16 Dia	---	2 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c
06	PB6	230 X 460	2 - 12 Dia	2 - 12 Dia	---	2 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c
07	PB7	230 X 380	2 - 12 Dia	2 - 16 Dia	---	2 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c
08	PBR1	230 X 380	3 - 16 Dia	2 - 12 Dia	---	---	06 dia - 150 c/c	06 dia - 175 c/c

CONSTRUCTION NOTE:-
 1. Check the centering of column / slab / beam / staircase before placing the reinforcement in place.
 2. Refer architecture drawing only for levels, dimension, etc.
 3. Refer r.c.c. drawing for member sizes and steel details & reinforcement section.



DEVELOPMENT LENGTH (Ld = 50Xd)

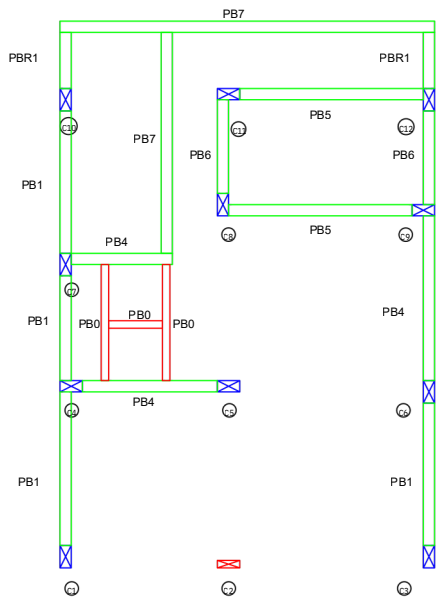
BAR DIAMETER	MINIMUM LAP LENGTH
10 mm	500 mm
12 mm	600 mm
16 mm	800 mm
20 mm	1000 mm

IMP NOTES :-
 1. All work shall be strictly executed as per the drawing.
 2. Structural design is for G+2(3 slabs) Only.
 3. Concrete Grade M20 and Steel Fe500 shall be used.
 4. Fe500 grade Steel shall only be used if 14.5 % elongation is assured as per Codel Provisions.
 5. Concrete Mix design shall be followed.
 6. No concreting shall be done without seeking Architect/Structural Engineer's comment in writing.
 7. Clear Cover to R/F bars shall be - Column 40mm, Footings 50mm, Beam 30mm, Slab 20mm, RCC pardi 30mm, RCC raft 40mm.
 Structural engineer is not responsible for stability of structure if work is not done onsite as per design mension and for earthquake load if any.
 8. Development/Lap length shall be used as 50 times dia of bar.
 9. Where bent used, it shall be 25 times dia of bar.
 10. Stripping time Shall be as per I.S.456-2000, this dwg for study only.
 11. False work/ Shuttering Stability/Quality of material/ Supervision not our responsibility. Importance factor 1.0 & load of Brick as per partition walls are considered.
 12. Any discrepancy shall be asked and discussed to Structural Engineer.
 13. SBC considered for the design of the building is 300 KN/M2 and must be check and verified at site.
 14. STRUCTURE IS DESIGNED FOR GRAVITY LOAD ONLY.

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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		GROUND BEAM STEEL DESIGN		BUILD UP AREA		2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR							
	SCALE	DATE	DRAWN	CHECK	DWG. NO.			
N.T.S	01/09/25	P.D	S.K	VSC-AA-06		OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBHAJINAGAR. Phone: +91-8485854304 Mail: info@vastusarvadagroup.com Web: vastusarvadagroup.com		

- Beam design- बीम डिजाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कॅल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.

PLINTH BEAM



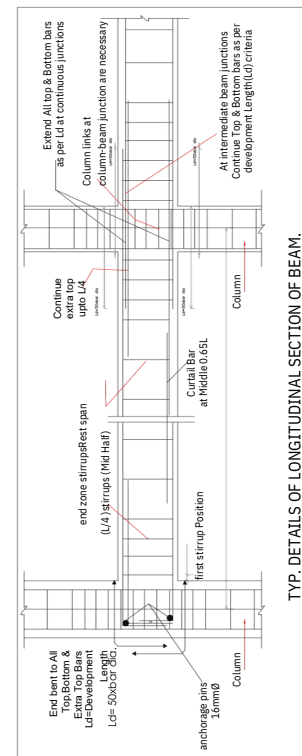
STRUCTURAL LAYOUT OF PLINTH BEAM

SCHEDULE OF BEAMS AT GROUND LEVEL

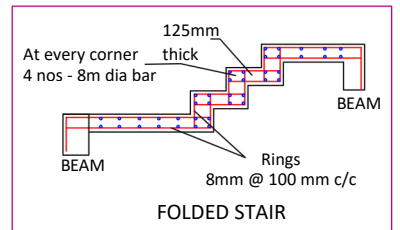
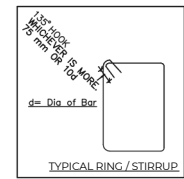
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07	PB7	230 X 380	2 - 12 Dia	2 - 16 Dia	---	2 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c
08	PBR1	230 X 380	3 - 16 Dia	2 - 12 Dia	---	---	06 dia - 150 c/c	06 dia - 175 c/c
09	PB0	150 X 380	2 - 10 Dia	2 - 12 Dia	---	---	06 dia - 175 c/c	06 dia - 175 c/c

CONSTRUCTION NOTE:-

1. Check the centering of column / slab / beam / staircase before placing the reinforcement in place.
2. Refer architecture drawing only for levels, dimension, etc.
3. Refer r.c.c. drawing for member sizes and steel details & reinforcement section.



TYP. DETAILS OF LONGITUDINAL SECTION OF BEAM.

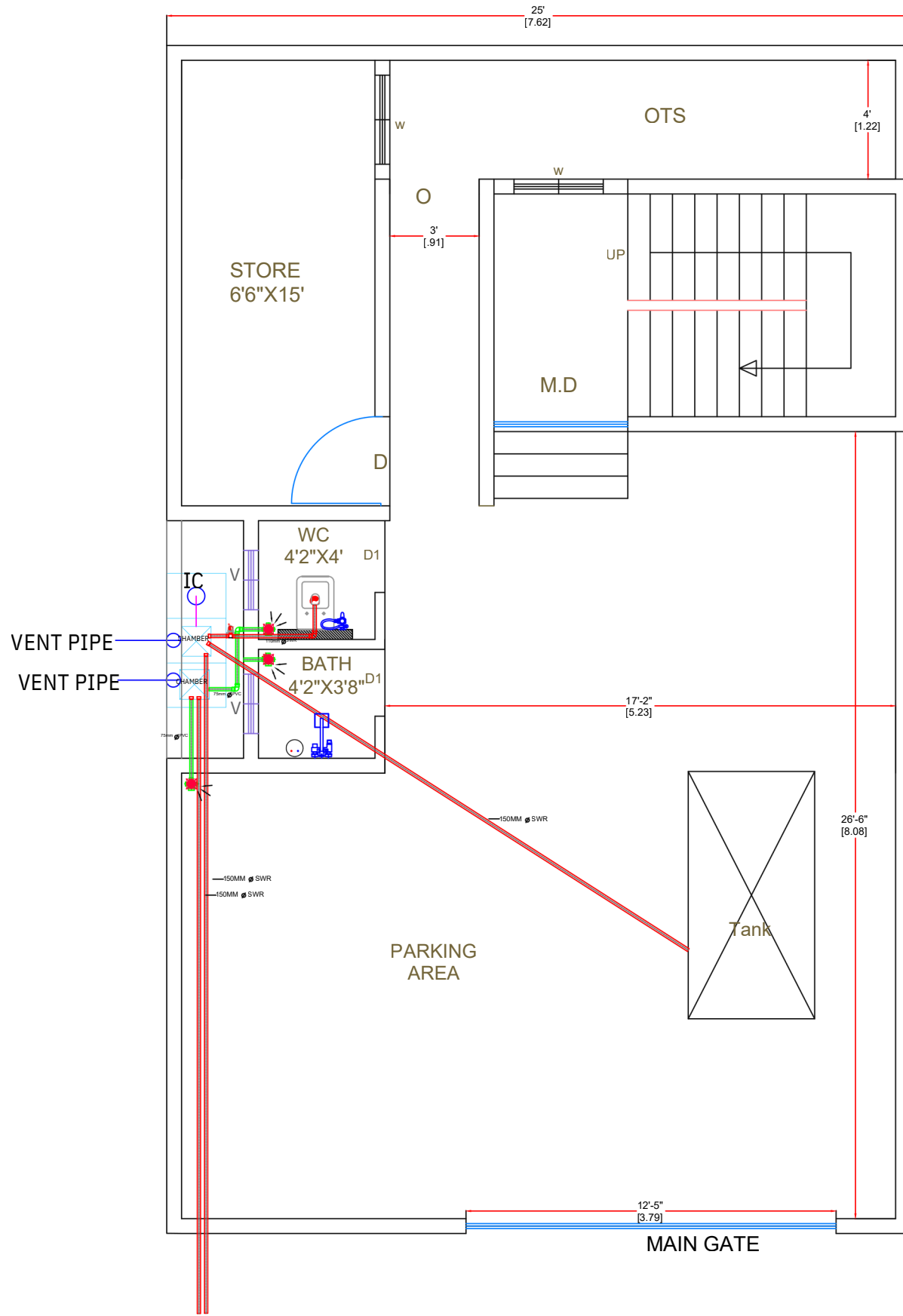


DEVELOPMENT LENGTH (Ld = 50Xd)	
BAR DIAMETER	MINIMUM LAP LENGTH
10 mm	500 mm
12 mm	600 mm
16 mm	800 mm
20 mm	1000 mm

- IMP NOTES :-
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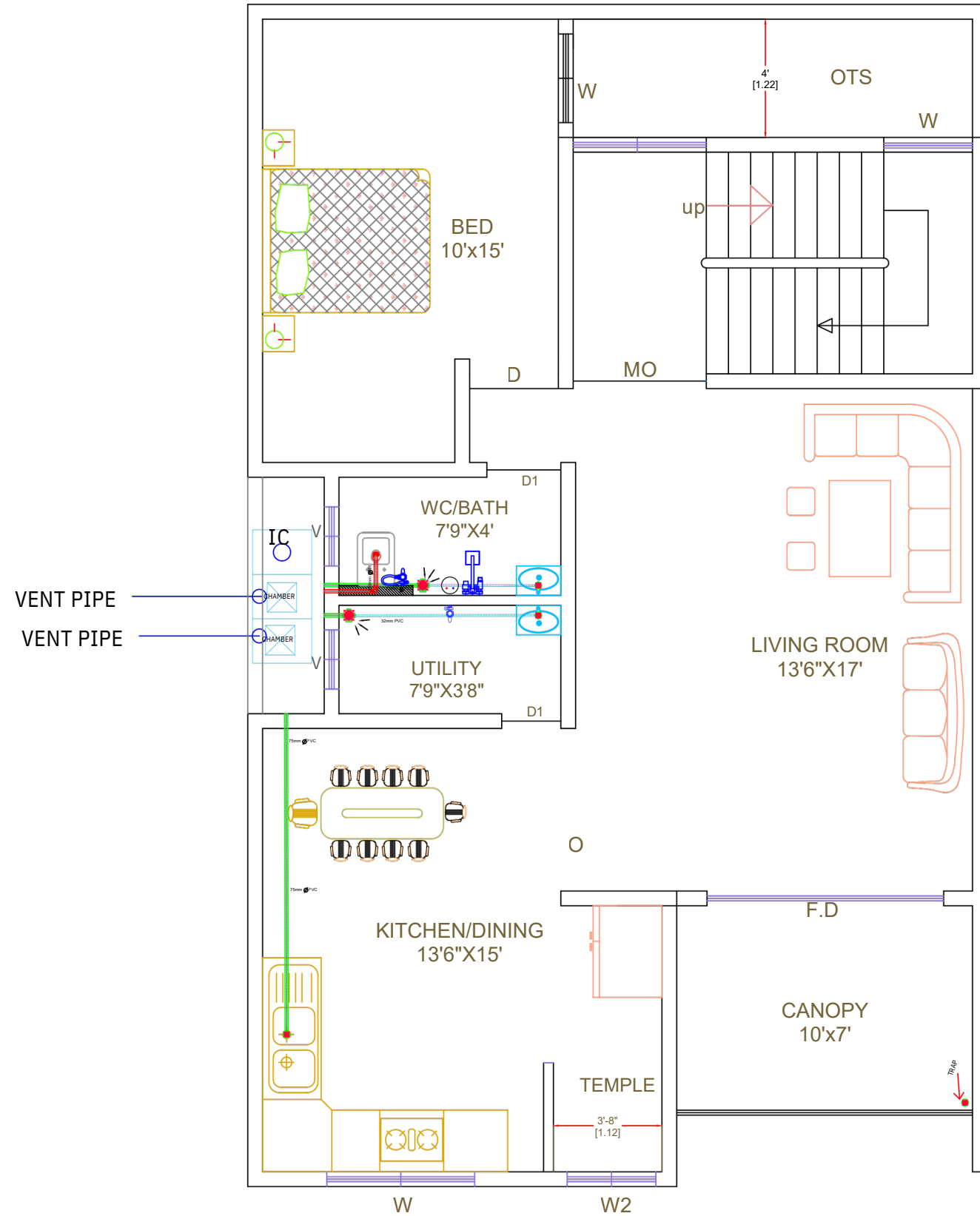
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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR	PLINTH BEAM STEEL DESIGN	BUILD UP AREA	2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR				
	SCALE	DATE	DRAWN	CHECK	
N.T.S	01/09/25	P.D	S.K	VSC-AA-07	



- Beam design- बीम डिजाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कैल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.



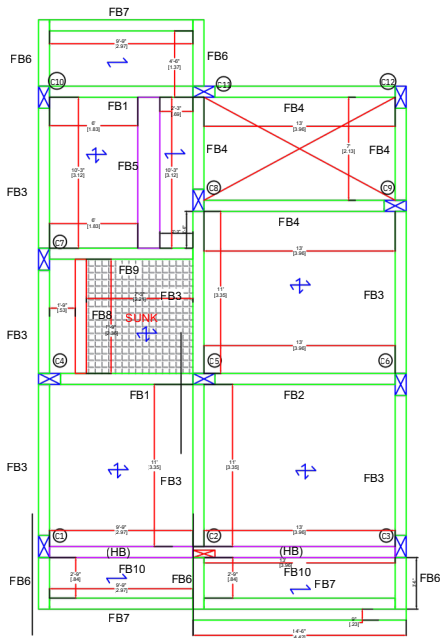
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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		GROUND FLOOR PLUMBING LAYOUT		BUILD UP AREA	2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR						
	SCALE	DATE	DRAWN	CHECK	DWG. NO.		
	N.T.S	01/09/25	L.S	S.K	VSC-AA-08		
						<p>OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBHAJINAGAR.</p> <p>Phone: +91-8485854304 Mail: info@vastusarvadagroup.com Web: vastusarvadagroup.com</p>	

- Water inlets & outlets for kitchen, bathrooms, wash area.
- किचन, बाथरूम, वॉश एरिया यांचे पाणी इनलेट व आउटलेट.
- Drainage lines, septic tank connection, rainwater harvesting points.
- ड्रेनेज लाईन्स, सांडपाणी टाकीशी जोडणी, पावसाच्या पाण्याचे संकलन पॉईट्स.
- Ensures smooth water flow & avoids leakage problems.
- पाणी व्यवस्थित वाहते व लिकेज समस्या टळते.



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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		FIRST FLOOR PLUMBING LAYOUT		BUILD UP AREA	2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR						
	SCALE	DATE	DRAWN	CHECK	DWG. NO.		
	N.T.S	01/09/25	L.S	S.K	VSC-AA-09		

- Water inlets & outlets for kitchen, bathrooms, wash area.
- किचन, बाथरूम, वॉश एरिया यांचे पाणी इनलेट व आउटलेट.
- Drainage lines, septic tank connection, rainwater harvesting points.
- ड्रेनेज लाईन्स, सांडपाणी टाकीशी जोडणी, पावसाच्या पाण्याचे संकलन पॉईंट्स.
- Ensures smooth water flow & avoids leakage problems.
- पाणी व्यवस्थित वाहते व लिकेज समस्या टळते.



FIRST FLOOR SLAB BEAM

SCHEDULE OF BEAMS AT FIRST FLOOR LEVEL

Sr. No.	Beam	Size B x D	Straight Top Bar	Straight Bott. Bars	Curt. Bar Middle 0.6L	Extra Top Ends L/4	Stirrups End zone L/4	Stirrups Middle half
01	FB1	230 X 460	2 - 12 Dia	2 - 16 Dia		1 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
02	FB2	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	1 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
03	FB3	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
04	FB4	230 X 460	2 - 16 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
05	FB5(HB)	480 X 125	2 - 12 Dia	2 - 16 Dia			06 dia - 150 c/c	06 dia - 175 c/c
06	FB6	230 X 460	2 - 16 Dia	2 - 12 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
07	FB7	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
08	FB8	230 X 380	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
09	FB9	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
10	FB10(HB)	380 X 125	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c

SCHEDULE OF SLAB

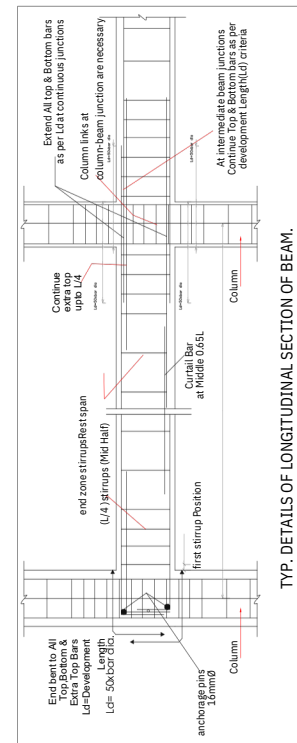
MARK	THICK (MM)	MAIN STEEL	DIST. STEEL	EXTRA TOP L/4	TYPE
S1	125	8 mm @ 150 mm c/c	8 mm @ 150 mm c/c	mm @ 300 mm c/c	TWO WAY
S2	125	8 mm @ 150 mm c/c	8 mm @ 150 mm c/c	-	ONE WAY
S3	150	10 mm @ 150 mm c/c	8 mm @ 175 mm c/c	-	STAIRS

CONSTRUCTION NOTE:-

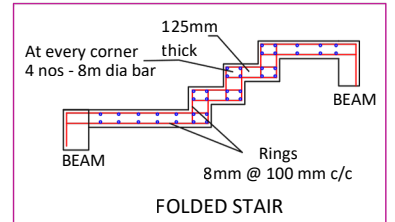
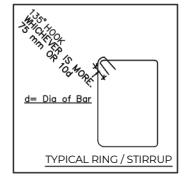
1. Check the centering of column / slab / beam / staircase before placing the reinforcement in place.
2. Refer architecture drawing only for levels, dimension, etc.
3. Refer r.c.c. drawing for member sizes and steel details & reinforcement section.

IMP NOTES :-

1. All work shall be strictly executed as per the drawing.
2. Structural design is for G+2(3 slabs) Only.
3. Concrete Grade M20 and Steel Fe500 shall be used.
4. Fe500 grade Steel shall only be used if 14.5% elongation is assured as per Code Provisions.
5. Concrete Mix design shall be followed.
6. No concreting shall be done without seeking Architect/Structural Engineer's comment in writing.
7. Clear Cover to R/F bars shall be - Column 40mm, Footings 50mm, Beam 30mm, Slab 20mm, RCC girdi 30mm, RCC raft 40mm.
8. Structural engineer is not responsible for stability of structure if work is not done onsite as per design mention and for earthquake load if any.
9. Development/Lap length shall be used as 50 times dia of bar.
10. Stripping time shall be as per I.S.456-2000, this dwg for study only.
11. False work/ Shuttering Stability/Quality of material/ Supervision not our responsibility.
12. Importance factor 1.0 & load of Brick as per partition walls are considered.
13. Any discrepancy shall be asked and discussed to Structural Engineer.
14. SBC considered for the design of the building is 300 KN/M2 and must be check and verified at site.
15. STRUCTURE IS DESIGNED FOR GRAVITY LOAD ONLY.



TYP. DETAILS OF LONGITUDINAL SECTION OF BEAM.

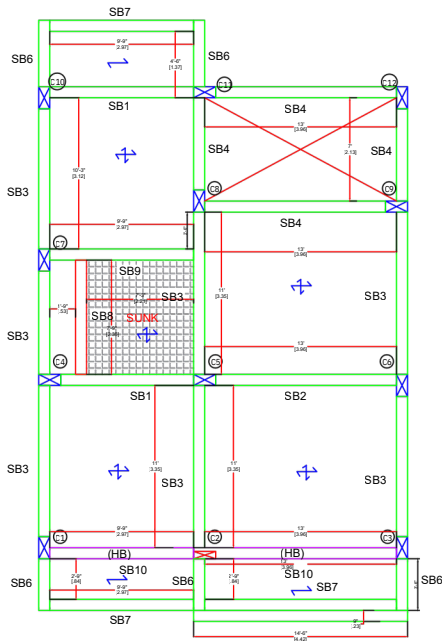


DEVELOPMENT LENGTH (Ld = 50x)

BAR DIAMETER	MINIMUM LAP LENGTH
10 mm	500 mm
12 mm	600 mm
16 mm	800 mm
20 mm	1000 mm

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© COPY RIGHTS OWN BY VASTUSARVADA CONSINTERIO. LLP.	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR	1ST SLAB BEAM STEEL DESIGN	BUILD UP AREA	2500 SQ.FT		
	For:- Mr. AJAY AWASTE SIR	SCALE	DATE	DRAWN	CHECK	DWG. NO.
	N.T.S	01/09/25	P.D	S.K	VSC-AA-11	OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBHAJINAGAR. Phone: +91-8485854304 Mail: info@vastusarvadagroup.com Web: vastusarvadagroup.com

- Slab beam design- स्लॅब बीम यांचे डिझाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कॅल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.



SECOND FLOOR SLAB BEAM

SCHEDULE OF BEAMS AT FIRST FLOOR LEVEL

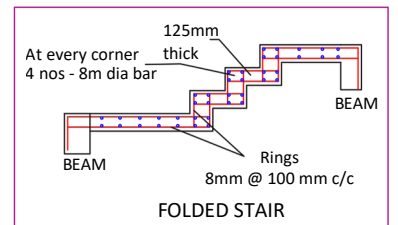
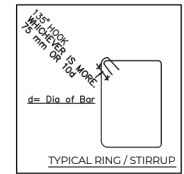
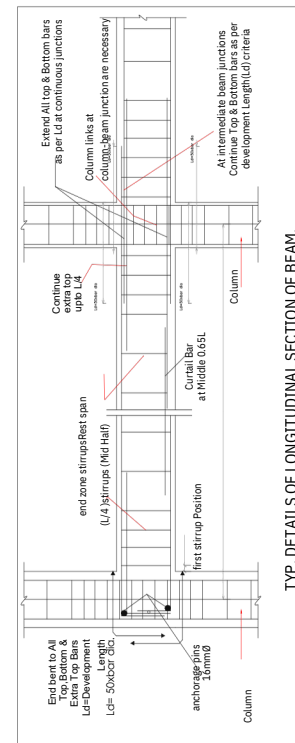
Sr.No.	Beam Group	Size B x D	Straight Top Bar	Straight Bott. Bars	Curt. Bar Middle 0.6L	Extra Top Ends L/4	Stirrups End zone L/4	Stirrups Middle half
01	SB1	230 X 460	2 - 12 Dia	2 - 16 Dia		1 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
02	SB2	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	1 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
03	SB3	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
04	SB4	230 X 460	2 - 16 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
06	SB6	230 X 460	2 - 16 Dia	2 - 12 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
07	SB7	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
08	SB8	230 X 380	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
09	SB9	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
10	SB10(HB)	460 X 125	2 - 16 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c

SCHEDULE OF SLAB

MARK	THICK (MM)	MAIN STEEL	DIST. STEEL	EXTRA TOP L/4	TYPE
S1	125	8 mm @ 150 mm c/c	8 mm @ 150 mm c/c	mm @ 300 mm c/c	TWO WAY
S2	125	8 mm @ 150 mm c/c	8 mm @ 150 mm c/c	-	ONE WAY
S3	150	10 mm @ 150 mm c/c	8 mm @ 175 mm c/c	-	STAIRS

CONSTRUCTION NOTE:-

1. Check the centering of column / slab / beam / staircase before placing the reinforcement in place.
2. Refer architecture drawing only for levels, dimension, etc.
3. Refer r.c.c. drawing for member sizes and steel details & reinforcement section.



DEVELOPMENT LENGTH (Ld = 50Xd)

BAR DIAMETER	MINIMUM LAP LENGTH
10 mm	500 mm
12 mm	600 mm
16 mm	800 mm
20 mm	1000 mm

IMP NOTES :-

1. All work shall be strictly executed as per the drawing.
2. Structural design is for G+2(3 slabs) Only.
3. Concrete Grade M20 and Steel Fe500 shall be used.
4. Fe500 grade Steel shall only be used if 14.5% elongation is assured as per Code Provisions.
5. Concrete Mix design shall be followed.
6. No concreting shall be done without seeking Architect/Structural Engineer's comment in writing.
7. Clear Cover to R/F bars shall be - Column 40mm, Footings 50mm, Beam 30mm, Slab 20mm, RCC pardi 30mm, RCC raft 40mm.
8. Stuctural engineer is not responsible for stability of structure if work is not done onsite as per design mension and for earthquake load if any.
9. Development/Lap length shall be used as 50 times dia of bar.
10. Stripping time shall be as per I.S. 456-2000, this dwg for study only.
11. False work/ Shuttering Stability/Quality of material/ Supervision not our responsibility.
12. Importance factor 1.0 & load of Brick as per partition walls are considered.
13. Any discrepancy shall be asked and discussed to Structural Engineer.
14. SBC considered for the design of the building IS 300 KN/M2 and must be check and verified at site.
15. STRUCTURE IS DESIGNED FOR GRAVITY LOAD ONLY.

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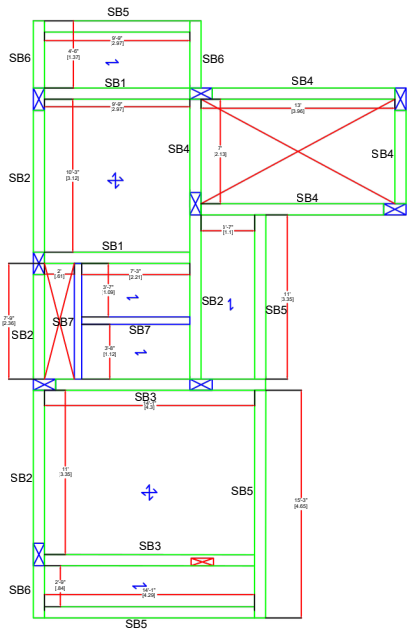
PROJECT		DRAWING		PLOT AREA	
RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		2ND SLAB BEAM STEEL DESIGN		1000 SQ.FT	
For:- Mr. AJAY AWASTE SIR				2500 SQ.FT	
SCALE	DATE	DRAWN	CHECK	DWG. NO.	
N.T.S	01/09/25	P.D	S.K	VSC-AA-12	



VastuSarvada
*CONSULT * CONSTRUCT * INTERIOR
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Phone: +91-8485854304
Mail: info@vastusarvadagroup.com
Web: vastusarvadagroup.com

- Slab beam design- स्लॅब बीम यांचे डिझाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कॅल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.

THIRD FLOOR SLAB BEAM



SCHEDULE OF BEAMS AT SECOND FLOOR LEVEL

Sr. No.	Beam Group	Size B X D	Straight Top Bar	Straight Bott. Bars	Curt. Bar Middle 0	Extra Top L/Ends L/4	Stirrups End zone L/4	Stirrups Middle half
01	SB1	230 X 460	2 - 12 Dia	2 - 16 Dia	---	1 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
02	SB2	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
03	SB3	230 X 460	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
04	SB4	230 X 460	2 - 16 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
05	SB5	230 X 380	2 - 12 Dia	2 - 16 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
06	SB6	230 X 460	2 - 16 Dia	2 - 12 Dia	---	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c
07	SB7	150 X 380	2 - 12 Dia	2 - 16 Dia	---	2 - 10 Dia	06 dia - 150 c/c	06 dia - 175 c/c

SCHEDULE OF SLAB

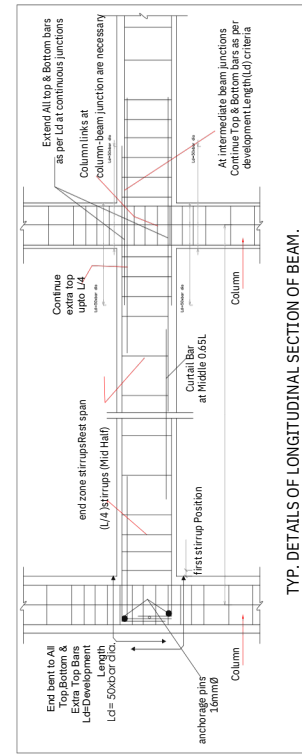
MARK	THICK (MM)	MAIN STEEL	DIST. STEEL	Extra Top L/4	TYPE
S1	125	8mm @ 150 mm c/c	8mm @ 150 mm c/c	8mm @ 300 mm c/c	TWO WAY
S2	125	8mm @ 150 mm c/c	8mm @ 150 mm c/c	---	ONE WAY
S3	150	10mm @ 150 mm c/c	8mm @ 175 mm c/c	---	STAIRS

CONSTRUCTION NOTE:-

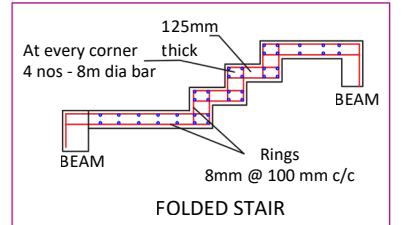
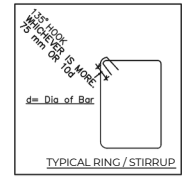
1. Check the centering of column / slab / beam / staircase before placing the reinforcement in place.
2. Refer architecture drawing only for levels, dimension, etc.
3. Refer r.c.c. drawing for member sizes and steel details & reinforcement section.

IMP NOTES :-

1. All work shall be strictly executed as per the drawing.
2. Structural design is for G+1(2 slabs) Only.
3. Concrete Grade M20 and Steel Fe500 shall be used.
4. Fe500 grade Steel shall only be used if 14.5 % elongation is assured as per Code Provisions.
5. Concrete Mix design shall be followed.
6. No concreting shall be done without seeking Architect/Structural Engineer's comment in writing.
7. Clear Cover to R/F bars shall be - Column 40mm, Footings 50mm, Beam 30mm, Slab 20mm, RCC pardi 30mm, RCC raft 40mm.
8. Development/Lap length shall be used as 50 times dia of bar.
9. Where bent used, it shall be 25 times dia of bar.
10. Stripping time shall be as per I.S.456-2000, this dwg for study only.
11. False work/ Shuttering Stability/Quality of material/ Supervision not our responsibility. Importance factor 1.0 & load of Brick as per partition walls are considered.
12. Any discrepancy shall be asked and discussed to Structural Engineer.
13. SBC considered for the design of the building is 300 KN/M² and must be checked and verified at site.
14. STRUCTURE IS DESIGNED FOR GRAVITY LOAD ONLY.





TYP. DETAILS OF LONGITUDINAL SECTION OF BEAM.



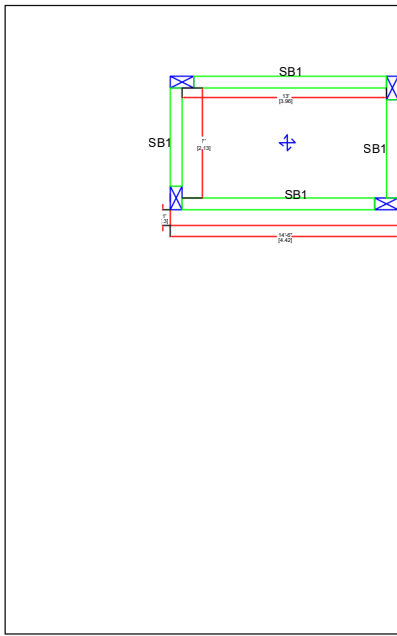
DEVELOPMENT LENGTH (Ld = 50Xd)

BAR DIAMETER	MINIMUM LAP LENGTH
10 mm	500 mm
12 mm	600 mm
16 mm	800 mm
20 mm	1000 mm

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	RESIDENTIAL BUNGLOW AT- CHH. SAMBAJINAGAR	3RD SLAB BEAM STEEL DESIGN	BUILD UP AREA	2500 SQ.FT	OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBAJINAGAR.	
For:- Mr. AJAY AWASTE SIR		SCALE	DATE	DRAWN	CHECK	DWG. NO.
		N.T.S	01/09/25	P.D	S.K	VSC-AA-13
						Phone: +91-8485854304 Mail: info@vastusarvadagroup.com Web: vastusarvadagroup.com

- Slab beam design- स्लॅब बीम यांचे डिझाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कॅल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.

TOWER SLAB BEAM



SCHEDULE OF BEAMS AT SECOND FLOOR LEVEL

Sr. No.	Beam Group	Size B x D	Straight Top Bar	Straight Bott. Bars	Curt. Bar Middle 0.6L	Extra Top Ends L/4	Stirrups End zone L/4	Stirrups Middle half
01	SB1	230 X 380	2 - 12 Dia	2 - 12 Dia	1 - 12 Dia	2 - 12 Dia	06 dia - 150 c/c	06 dia - 175 c/c

SCHEDULE OF SLAB

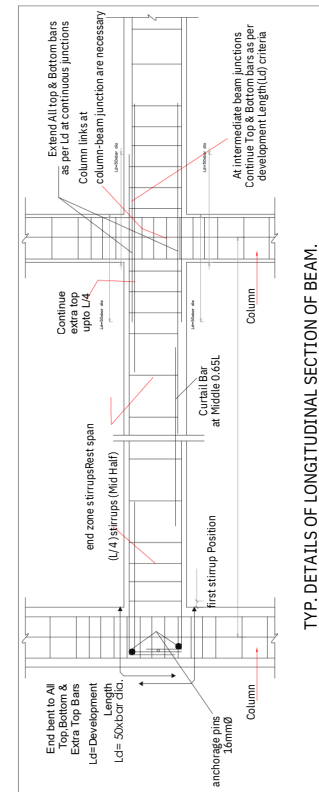
MARK	THICK (MM)	MAIN STEEL	DIST. STEEL	Extra Top L/4	TYPE	
S1	125	8mm @ 150 mm c/c	8mm @ 150 mm c/c	8mm @ 300 mm c/c	TWO WAY	↕
S2	125	8mm @ 150 mm c/c	8mm @ 150 mm c/c		ONE WAY	↔
S3	150	10mm @ 150 mm c/c	8mm @ 175 mm c/c		STAIRS	

CONSTRUCTION NOTE:-

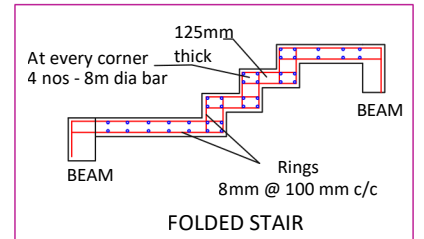
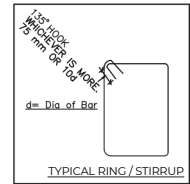
1. Check the centering of column / slab / beam / staircase before placing the reinforcement in place.
2. Refer architecture drawing only for levels, dimension, etc.
3. Refer r.c.c. drawing for member sizes and steel details & reinforcement section.

IMP NOTES :-

1. All work shall be strictly executed as per the drawing.
2. Structural design is for G+2(3 slabs) Only.
3. Concrete Grade M20 and Steel Fe500 shall be used.
4. Fe500 grade Steel shall only be used if 14.5 % elongation is assured as per Codel Provisions.
5. Concrete Mix design shall be followed.
6. No concreting shall be done without seeking Architect/Structural Engineer's comment in writing.
7. Clear Cover to R/F bars shall be - Column 40mm, Footings 50mm, Beam 30mm, Slab 20mm, RCC pardi 30mm, RCC raft 40mm.
8. Development/Lap length shall be used as 50 times dia of bar.
9. Where bent used, it shall be 25 times dia of bar.
10. Stripping time shall be as per I.S.456-2000. this dwg for study only.
11. False work/ Shuttering Stability/Quality of material/ Supervision not our responsibility. Importance factor 1.0 & load of Brick as per partition walls are considered.
12. Any discrepancy shall be asked and discussed to Structural Engineer.
13. SBC considered for the design of the building IS 300 KN/M2 and must be check and verified at site.
14. STRUCTURE IS DESIGNED FOR GRAVITY LOAD ONLY.



TYP. DETAILS OF LONGITUDINAL SECTION OF BEAM.

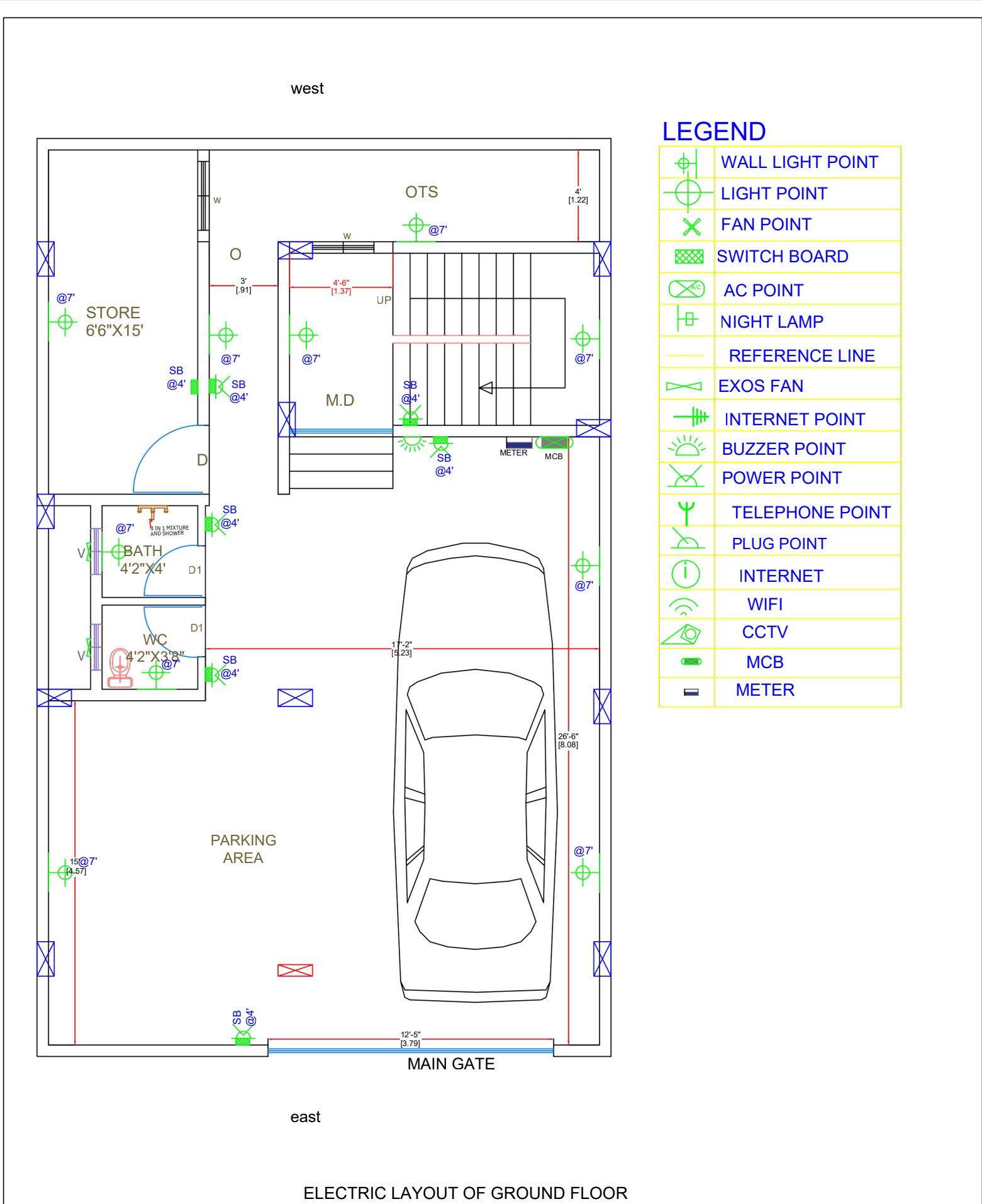


DEVELOPMENT LENGTH (Ld = 50Xd)

BAR DIAMETER	MINIMUM LAP LENGTH
10 mm	500 mm
12 mm	600 mm
16 mm	800 mm
20 mm	1000 mm

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	RESIDENTIAL BUNGLOW AT-CHH. SAMBAJINAGAR	TOWER SLAB BEAM STEEL DESIGN	BUILD UP AREA	2500 SQ.FT		
	For:- Mr. AJAY AWASTE SIR					
SCALE	DATE	DRAWN	CHECK	DWG. NO.		
N.T.S	01/09/25	P.S	S.K	VSC-AA-14		

- Slab beam design- स्लॅब बीम यांचे डिझाईन.
- Designed as per safety & load calculations- सुरक्षितता व लोड कॅल्क्युलेशननुसार तयार केलेले.
- Must be followed exactly on site- साइटवर बदल न करता अंमलात आणणे आवश्यक.

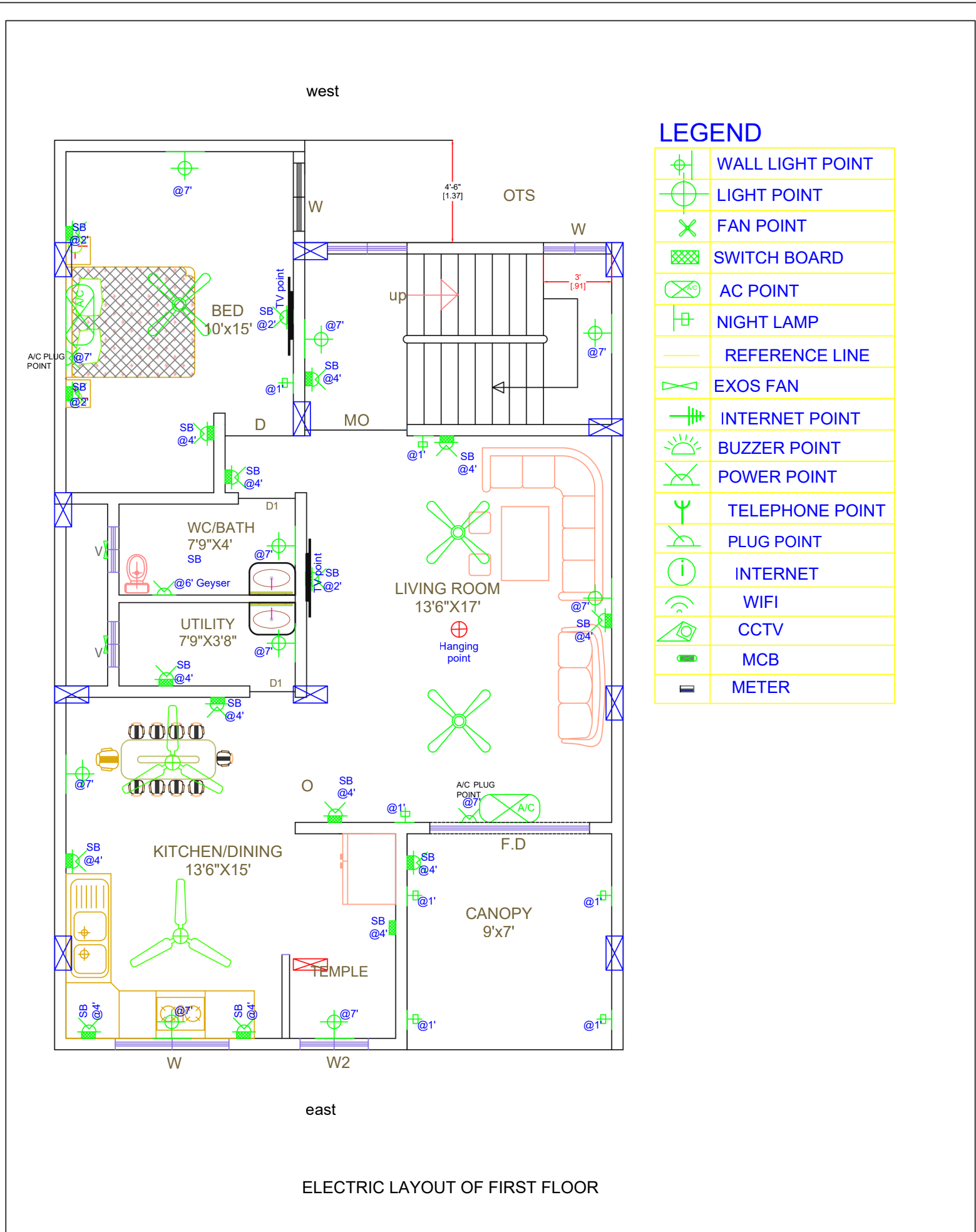


LEGEND

	WALL LIGHT POINT
	LIGHT POINT
	FAN POINT
	SWITCH BOARD
	AC POINT
	NIGHT LAMP
	REFERENCE LINE
	EXOS FAN
	INTERNET POINT
	BUZZER POINT
	POWER POINT
	TELEPHONE POINT
	PLUG POINT
	INTERNET
	WIFI
	CCTV
	MCB
	METER

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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		GROUND FLOOR INTERNAL ELECTRIC LAYOUT		BUILD UP AREA	2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR						
	SCALE	DATE	DRAWN	CHECK	DWG. NO.		
N.T.S	01/09/25	L.S	S.K	VSC-AA-23			

- Locations of switches, fans, lights, AC points, geysers, TV, internet, inverter.
- स्विच बोर्ड, पंखे, दिवे, एसी पॉईट, गिझर, टीव्ही, इंटरनेट, इन्व्हर्टर यांचे स्थान.
- Prevents mistakes during wiring and avoids rework.
- वायरिंगमध्ये चुका टाळतो व पुन्हा काम होण्याचा धोका कमी करतो.



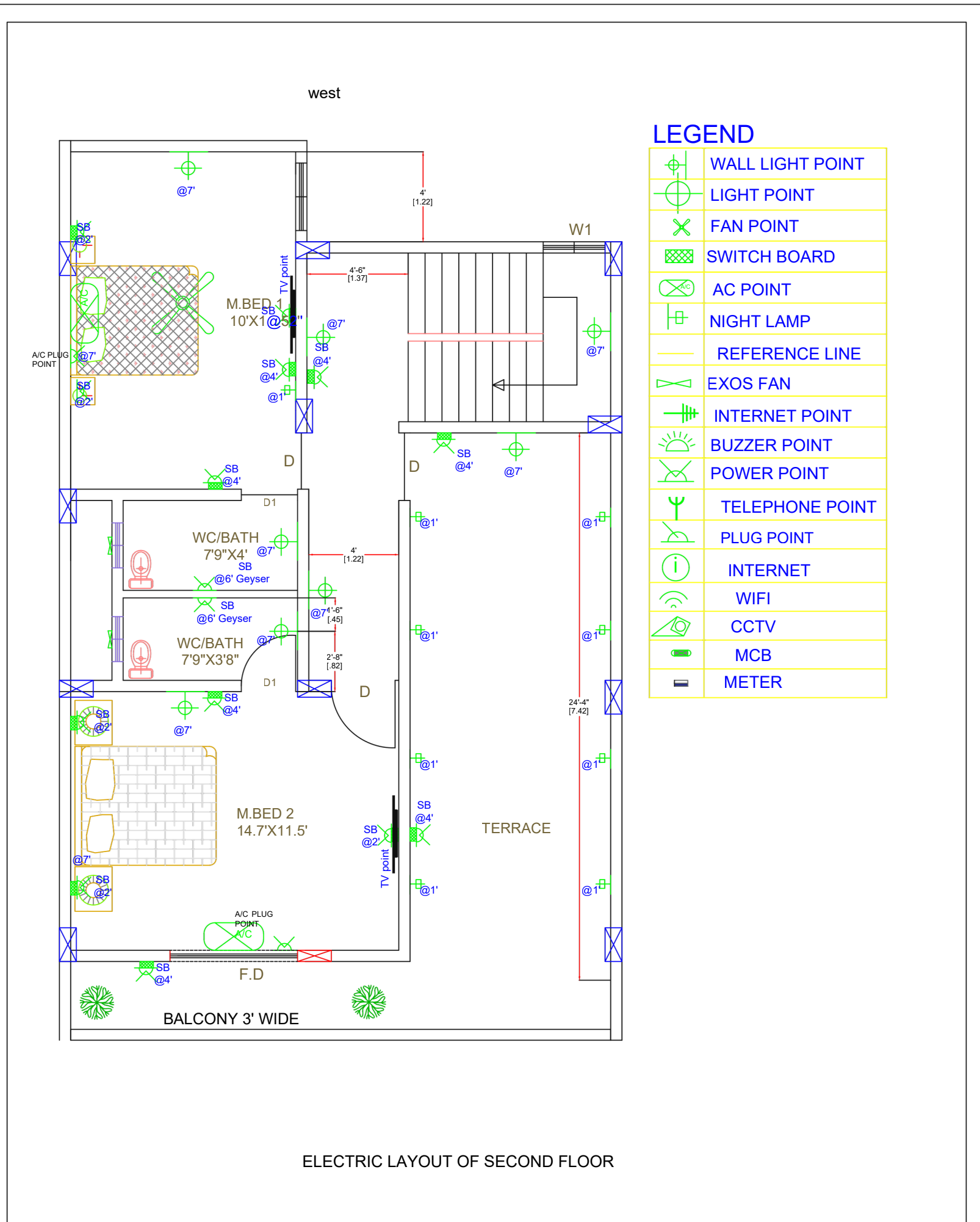
LEGEND

	WALL LIGHT POINT
	LIGHT POINT
	FAN POINT
	SWITCH BOARD
	AC POINT
	NIGHT LAMP
	REFERENCE LINE
	EXOS FAN
	INTERNET POINT
	BUZZER POINT
	POWER POINT
	TELEPHONE POINT
	PLUG POINT
	INTERNET
	WIFI
	CCTV
	MCB
	METER

ELECTRIC LAYOUT OF FIRST FLOOR

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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		FIRST FLOOR INTERNAL ELECTRIC LAYOUT		BUILD UP AREA	2500 SQ.FT		
	For:- Mr. AJAY AWASTE SIR							
	SCALE	DATE	DRAWN	CHECK	DWG. NO.	<p>OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBHAJINAGAR.</p> <p>Phone: +91-8485854304 Mail : info@vastusarvadagroup.com Web : vastusarvadagroup.com</p>		
N.T.S	01/09/25	L.S	S.K	VSC-AA-24				

- Locations of switches, fans, lights, AC points, geysers, TV, internet, inverter.
- स्विच बोर्ड, पंखे, दिवे, एसी पॉईट, गिझर, टीव्ही, इंटरनेट, इन्व्हर्टर यांचे स्थान.
- Prevents mistakes during wiring and avoids rework.
- वायरिंगमध्ये चुका टाळतो व पुन्हा काम होण्याचा धोका कमी करतो.



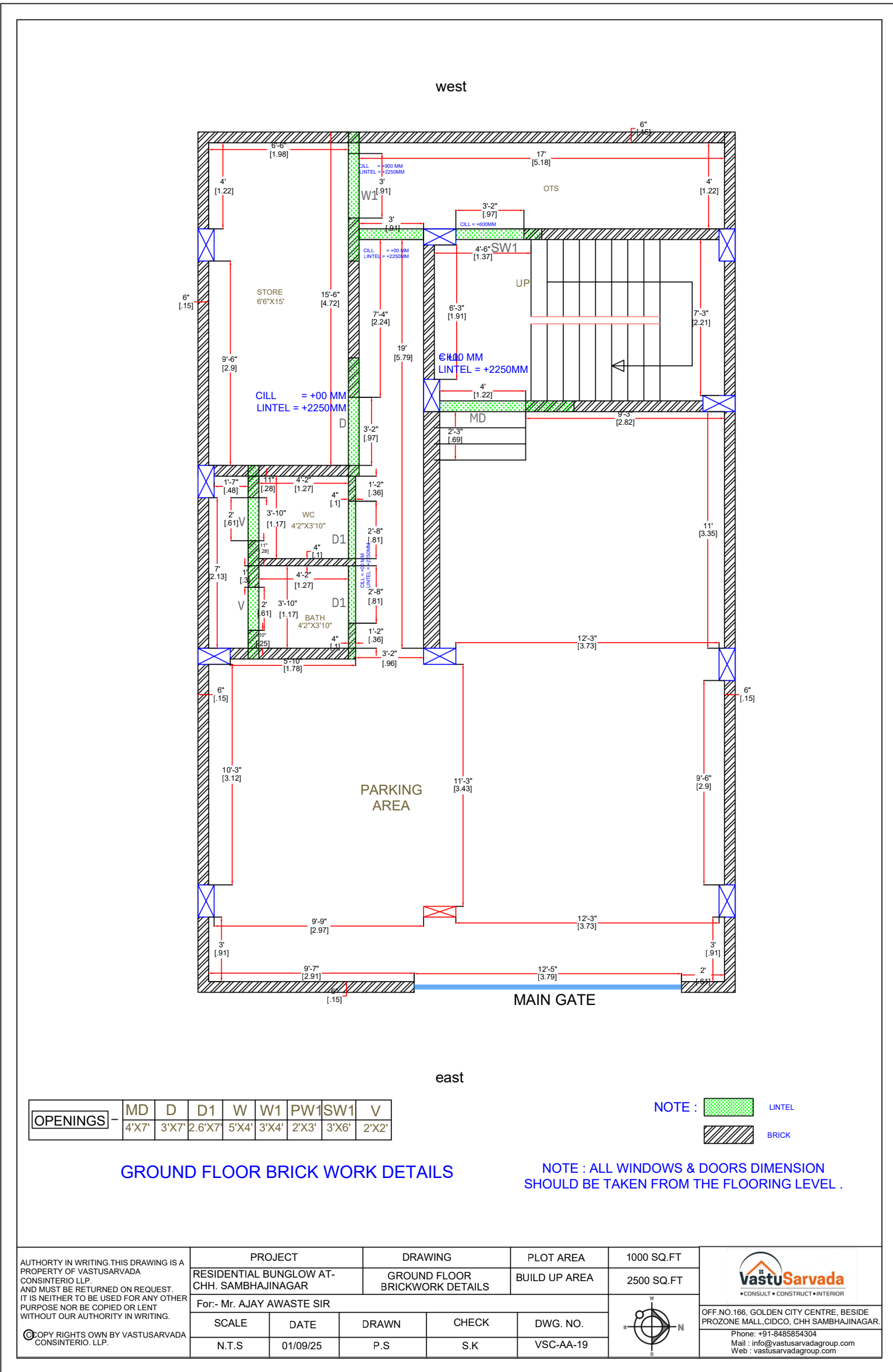
LEGEND

	WALL LIGHT POINT
	LIGHT POINT
	FAN POINT
	SWITCH BOARD
	AC POINT
	NIGHT LAMP
	REFERENCE LINE
	EXOS FAN
	INTERNET POINT
	BUZZER POINT
	POWER POINT
	TELEPHONE POINT
	PLUG POINT
	INTERNET
	WIFI
	CCTV
	MCB
	METER

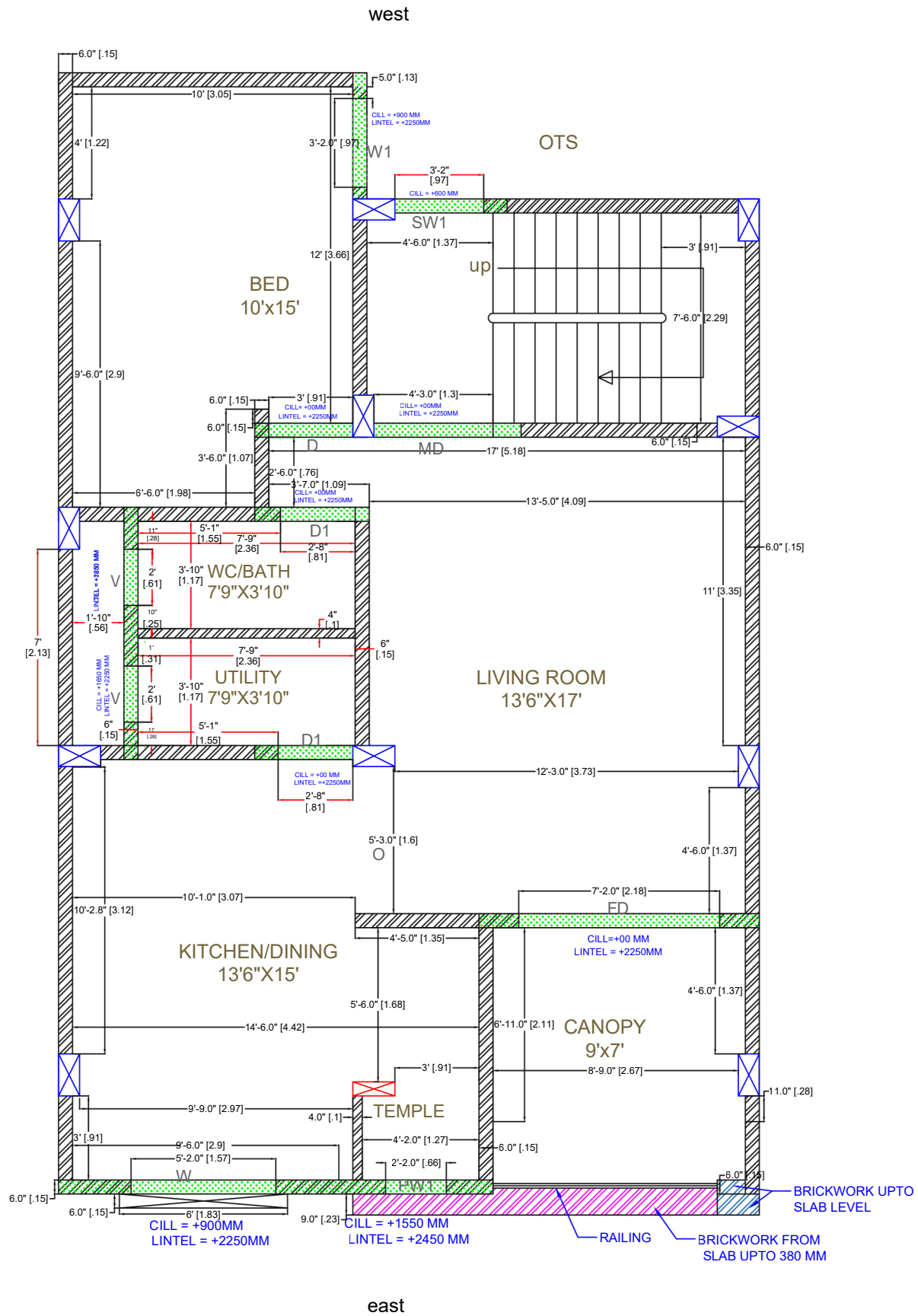
ELECTRIC LAYOUT OF SECOND FLOOR

<p>AUTHORITY IN WRITING. THIS DRAWING IS A PROPERTY OF VASTUSARVADA CONSINTERIO LLP. AND MUST BE RETURNED ON REQUEST. IT IS NEITHER TO BE USED FOR ANY OTHER PURPOSE NOR BE COPIED OR LENT WITHOUT OUR AUTHORITY IN WRITING.</p> <p>© COPY RIGHTS OWN BY VASTUSARVADA CONSINTERIO. LLP.</p>	PROJECT		DRAWING		PLOT AREA	1000 SQ.FT	<p>OFF. NO. 166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBHAJINAGAR.</p> <p>Phone: +91-8485854304 Mail : info@vastusarvadagroup.com Web : vastusarvadagroup.com</p>
	RESIDENTIAL BUNGLOW AT-CHH. SAMBHAJINAGAR		SECOND FLOOR INTERNAL ELECTRIC LAYOUT		BUILD UP AREA	2500 SQ.FT	
	For:- Mr. AJAY AWASTE SIR						
	SCALE	DATE	DRAWN	CHECK	DWG. NO.		
N.T.S	01/09/25	L.S	S.K	VSC-AA-25			



- Locations of switches, fans, lights, AC points, geysers, TV, internet, inverter.
- स्विच बोर्ड, पंखे, दिवे, एसी पॉईंट, गिझर, टीव्ही, इंटरनेट, इन्व्हर्टर यांचे स्थान.
- Prevents mistakes during wiring and avoids rework.
- वायरिंगमध्ये चुका टाळतो व पुन्हा काम होण्याचा धोका कमी करतो.



- Room sizes, wall thickness, window & door positions clearly shown.
- खोल्यांचे माप, भिंतींची जाडी, खिडक्या-दारे यांची स्थिती दाखवलेली.
- Helps in understanding proper Brick layout before construction.
- बांधकामापूर्वी योग्य विटांचा लेआउट समजून घेण्यास मदत करते.





OPENINGS	MD	D	D1	W	W1	PW1	SW1	V
	4'X7'	3'X7'	2.6'X7'	5'X4'	3'X4'	2'X3'	3'X6'	2'X2'

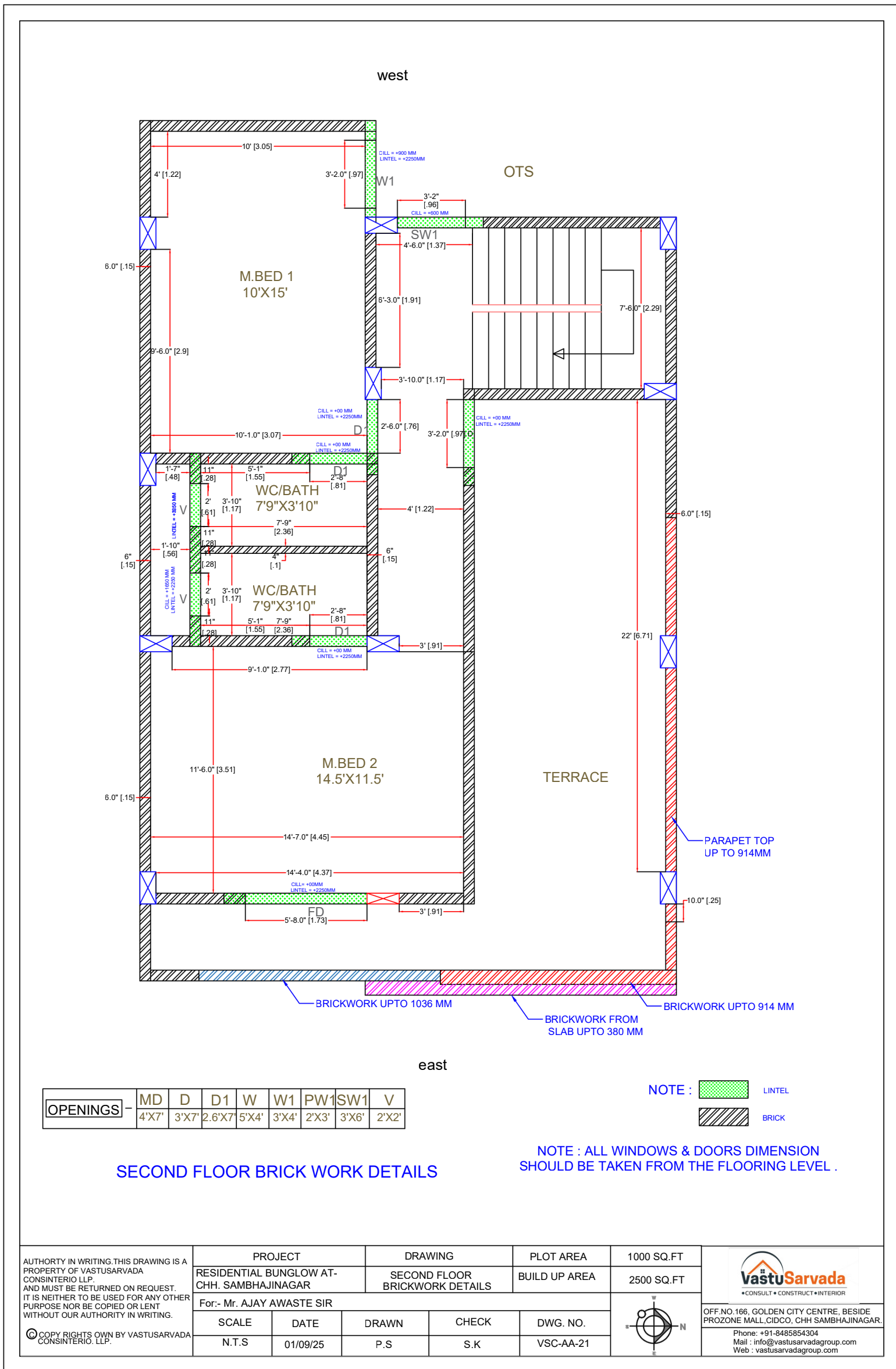
NOTE :  LINTEL
 BRICK

FIRST FLOOR BRICK WORK DETAILS

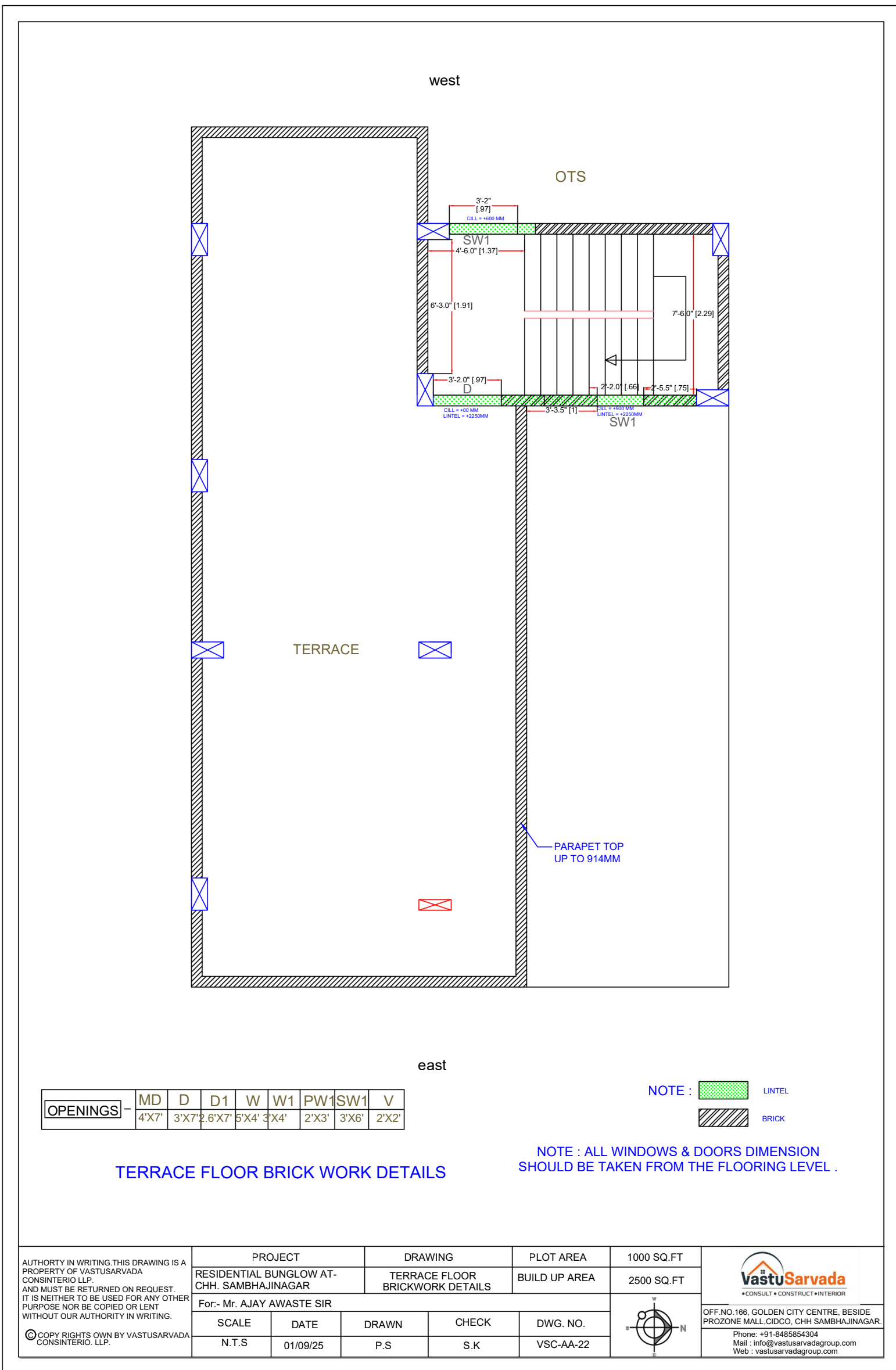
NOTE : ALL WINDOWS & DOORS DIMENSION SHOULD BE TAKEN FROM THE FLOORING LEVEL .

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	RESIDENTIAL BUNGLOW AT- CHH. SAMBHAJINAGAR		FIRST FLOOR BRICKWORK DETAILS		BUILD UP AREA	2500 SQ.FT		
	For:- Mr. AJAY AWASTE SIR							 OFF.NO.166, GOLDEN CITY CENTRE, BESIDE PROZONE MALL, CIDCO, CHH SAMBHAJINAGAR. Phone: +91-8485854304 Mail : info@vastusarvadagroup.com Web : vastusarvadagroup.com
	SCALE	DATE	DRAWN	CHECK	DWG. NO.			
N.T.S	01/09/25	P.S	S.K	VSC-AA-20				

- Room sizes, wall thickness, window & door positions clearly shown.
- खोल्यांचे माप, भिंतीची जाडी, खिडक्या-दारे यांची स्थिती दाखवलेली.
- Helps in understanding proper Brick layout before construction.
- बांधकामापूर्वी योग्य विटांचा लेआउट समजून घेण्यास मदत करते.



- Room sizes, wall thickness, window & door positions clearly shown.
- खोल्यांचे माप, भिंतीची जाडी, खिडक्या-दारे यांची स्थिती दाखवलेली.
- Helps in understanding proper Brick layout before construction.
- बांधकामापूर्वी योग्य विटांचा लेआउट समजून घेण्यास मदत करते.



- Room sizes, wall thickness, window & door positions clearly shown.
- खोल्यांचे माप, भिंतीची जाडी, खिडक्या-दारे यांची स्थिती दाखवलेली.
- Helps in understanding proper Brick layout before construction.
- बांधकामापूर्वी योग्य विटांचा लेआउट समजून घेण्यास मदत करते.



- Realistic outer view of the house before construction.
बांधकामापूर्वी घराचे वास्तववादी बाह्य दृश्य.
- Helps clients visualize their dream home.
- ग्राहकांना त्यांच्या स्वप्नातील घराची कल्पना करण्यास मदत करते.



- Detailed dimension drawings for site execution.
- साइट अंमलबजावणीसाठी तपशीलवार परिमाण रेखाचित्रे.
- Guides contractors for accurate construction.
- कंत्राटदारांना अचूक बांधकामासाठी मार्गदर्शन करते.

PROJECT :

RESIDENTIAL BUNGLOW AT-
Chh Sambhajinagar.

DRAWING :

3D Working

For:- MR. AWASTE SIR & FAMILY

DATE DRAWN CHECK

23/08/2025

PD

PG

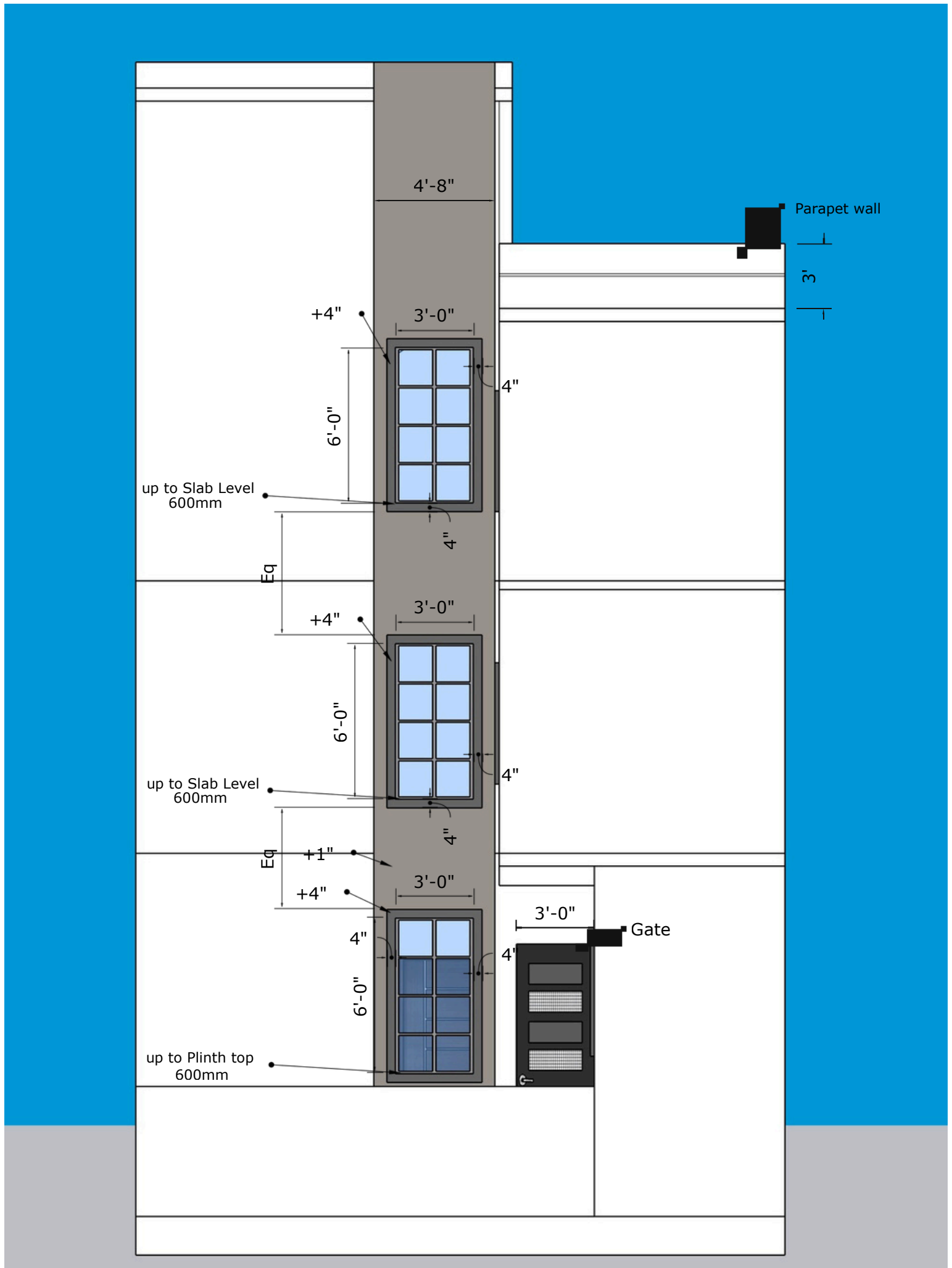


Office No. 166, Golden City Centre,
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Chh Sambhajinagar.

Phone: +91-8485854304

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- Guides contractors for accurate construction.
- कंत्राटदारांना अचूक बांधकामासाठी मार्गदर्शन करते.

PROJECT :

RESIDENTIAL BUNGLOW AT-
Chh Sambhajinagar.

DRAWING :

3D Working

For:- MR. AWASTE SIR & FAMILY

DATE DRAWN CHECK

23/08/2025 PD PG



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Beside Prozone Mall, Cidco,
Chh Sambhajinagar.

Phone: +91-8485854304

Mail : info@vastusarvadagroup.com

Web : vastusarvadagroup.com



VASTUSARVADA CONSINTERIO LLP.

THANK YOU

Services:

2D Vastu Plan | 3D Design | RCC Design
| Project Consulting | Interior Design |
Turnkey Project | Renovation
| Redevelopment |