

Electrical Plan v3.1

A.SARANRAJ

Height

- H0 – Inside ceiling
- H1 – On Ceiling
- H2 – Lintel level
- H3 – 1.5m
- H4 – 0.75m
- H5 – Close to Ground

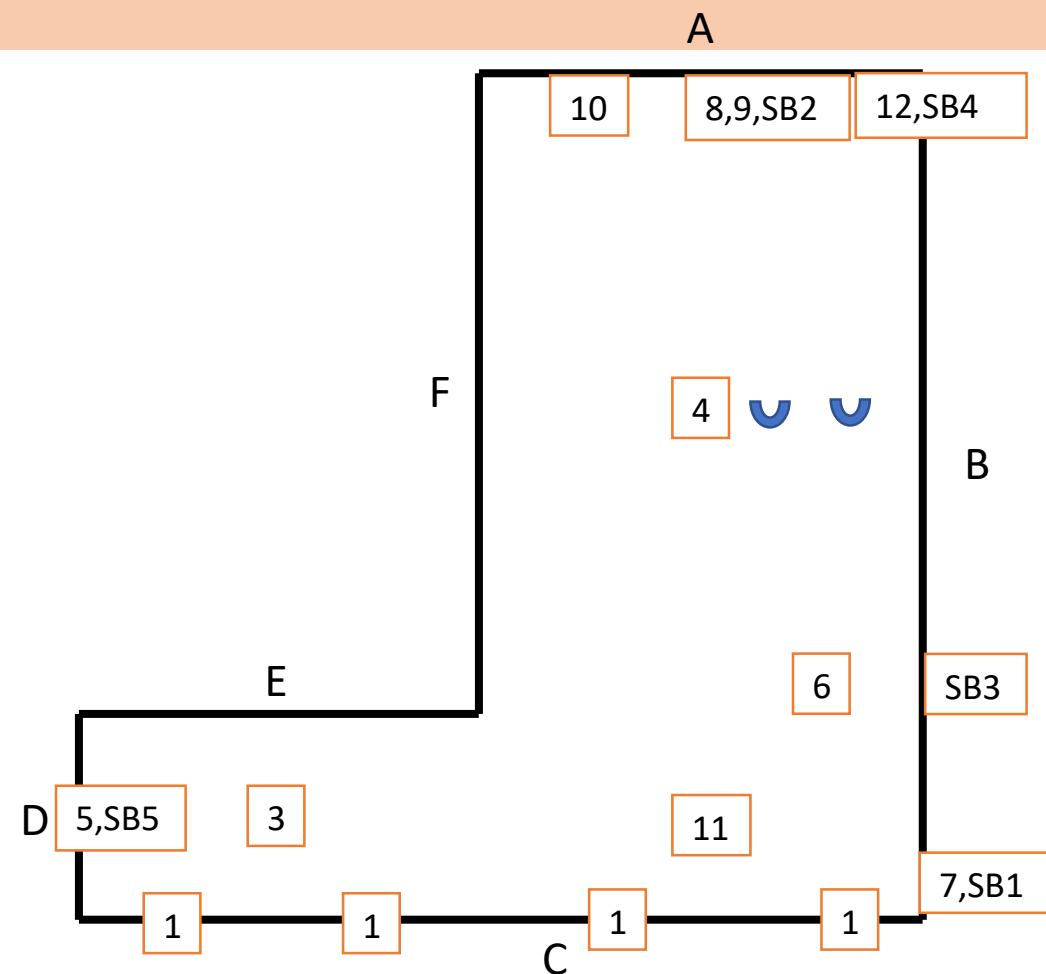
Wall Name: A,B,C,D,E,F....



Hook

PORTICO

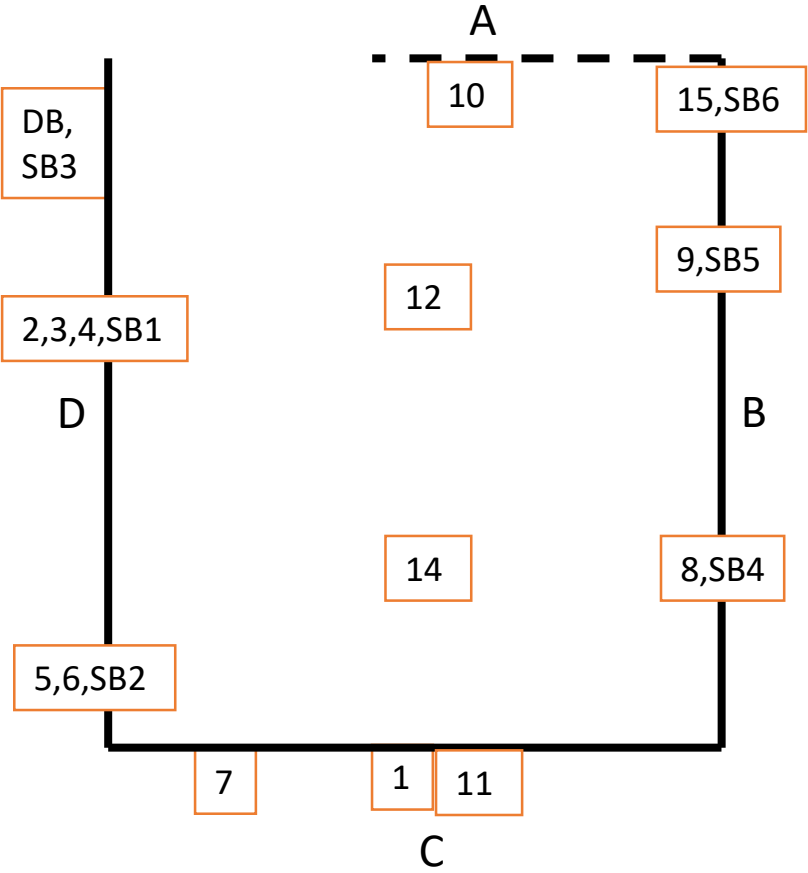
No	Provision for	Location (Wall,Height)	Switch Box	UPS	Remarks
1	Elevation Light – 5Nos	C,H0	Hall SB4	N	Warm Colour, Single Switch
2	Elevation Light – 1No on FF	Near FF MBR Window	Hall SB4	N	
3	Bike Parking Light	C-E,H0/H1	Hall SB4	N	Panel Light – Yellow Colour
4	Car Parking Light	B-F,H0/H1	Hall SB4	N	Panel Light - White Colour
5	EB meter	D,H2	-		Single Phase with Future 3-Phase extension
6	Submersible Pump	Inside Sump	SB3/SB5	N	Texmo, Suguna
7	Calling Bell Switch	B,H3	SB1	N	
8	2W e-charge-1	A,H4	SB2	N	15A. 2.5 sq mm 3 core cable if distance is within 30 meters
	2W e-charge-2		SB5	N	
9	4W e-charge	A,H4	SB2	N	Special 11KW - 3 phase, 5-core (3 Phase + Neutral + Earth) 6/4 sq.mm wire (4” Pipe)
10	Step LED Strip Light	A,H5	Hall SB4	N	On Granite Beading
11	Panel Light Point	B-F,H0/H1	Hall SB4	N	Panel Light. 3 & 11 – Common Switch
12	CCTV Camera	A,H2	SB4	Y	



Switch Box	Sockets 5A	Sockets 15A	Switch (Sockets + Others)	Metal Box
SB1	-	-	Calling Bell Switch – 1No	2M-1
SB2	-	1	1+4W (All 15A)	3M-1, 4M-1
SB3	-	-		2M-1
SB4	1	-	0+0	2M-1
SB5	-	1	1+1	??

KITCHEN

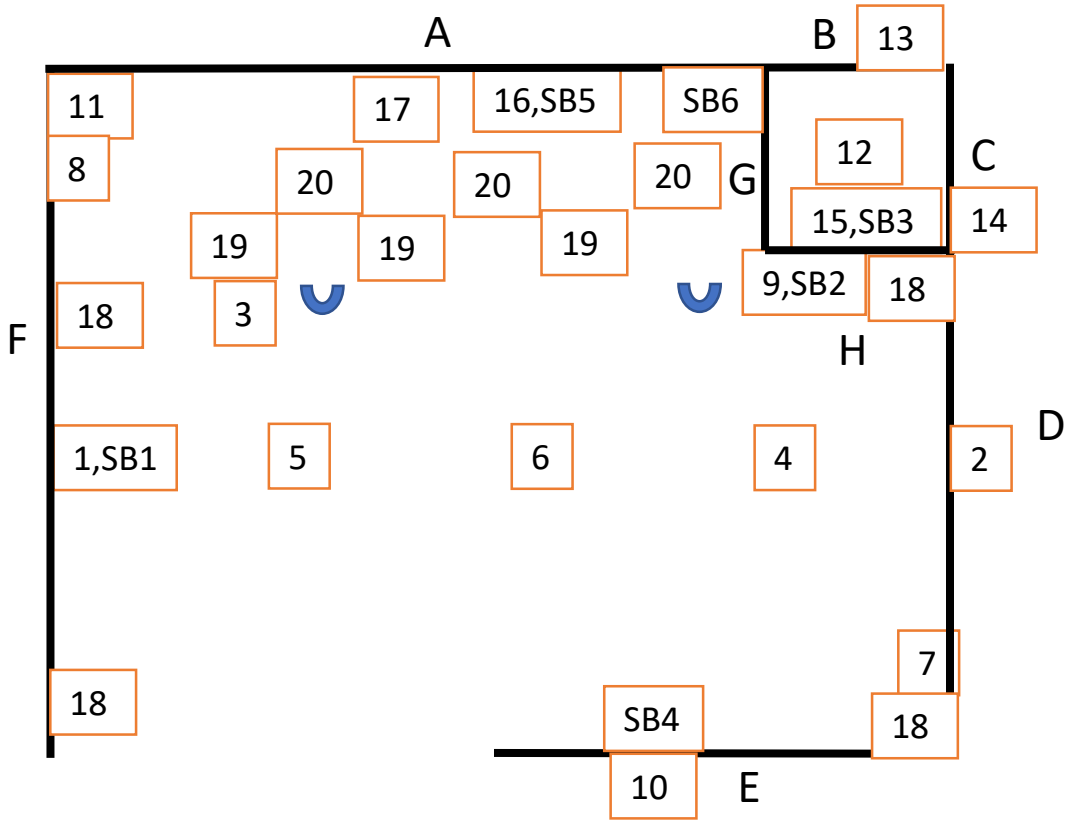
No	Provision for	Location (Wall,Height)	Switch Box	UPS	Remarks
1	Tubelight	C,H2	SB3	Y	
2	Fridge (5A+S)	D,H3	SB1	N	
3	Kettle, Juicer, Sandwich maker (5A+S -2Nos)	D,H3	SB1	N	
4		D,H3	SB1	N	
5	Induction Stove (15A+S)		SB2	Y	
6	Mixie (5A+S)		SB2/5	N	
7	Exhaust Fan	C,H2	SB2	N	
8	RO	B,H1	SB4	N	
9	Grinder	B,H3	SB5	N	Inside Cabinet
10	Hanging Light - 3No	A,H1	SB3	N	Single switch for all lights
11	Deleted				E27 Bulb
12	Fan	B-D,H0	SB3	N	
13	DB	D,H2	-	-	FF : Full control to be on this DB
14	Spot Light	B-D,H0	SB3	Y	
15	Telephone	B,H3	SB6	-	Telephone Line



Switch Box	Sockets 5A	Sockets 15A	Switch (Sockets + Others)	Metal Box
SB1	3	-	3	4M-1,6M-1
SB2	1	1	2+1	3M-1,4M-1
SB3			0+4	6M-1
SB4	1	-	1	3M-1
SB5	1+1	-	2	3M-1,4M-1
SB6	-	-	Telephone Point - 2	2M-1

HALL + TOILET

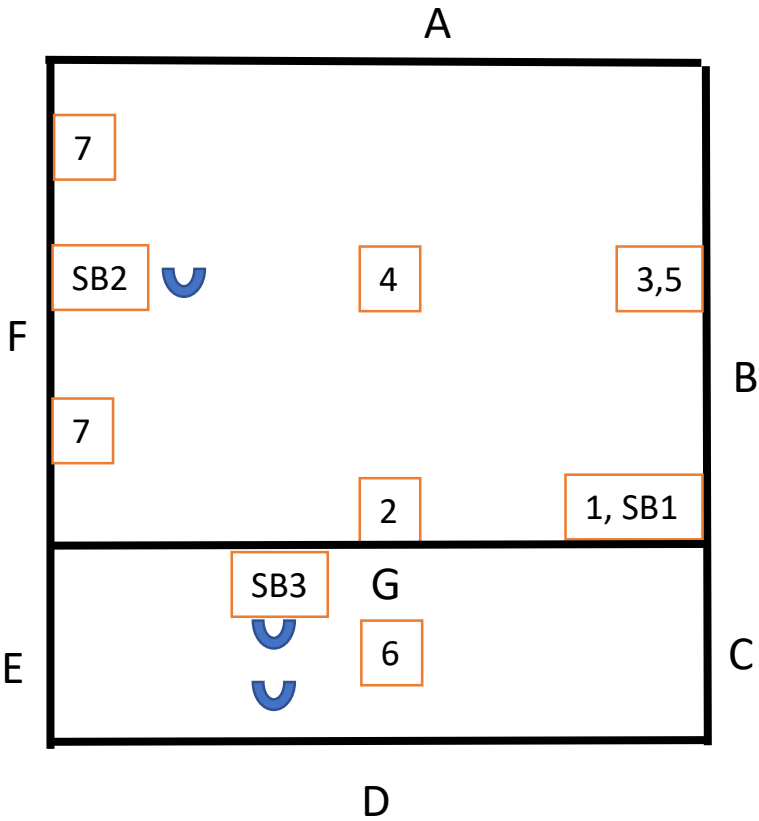
No	Provision for	Location (Wall,Height)	Switch Box	UPS	Remarks
1	TV Unit 5A+S : 7Nos	F,H4	SB1	N	TV, Speaker, PS5, STB, Modem, Alexa, Mobile charger, CCTV
2	Tubelight-1	D,H1	SB4	Y	
3	Tubelight-2	E,H1	SB2	Y	In Beam
4	Fan1	A-E,H0	SB2	Y	
5	Fan2	A-E,H0	SB2	Y	
6	Centre Light	A-E,H1	SB2	N	
7	Pooja Focus Light	D,H1	SB2	N	
8	Calling Bell	F,H1	-	Y	
9	Mobile Charger Point (5A+S)	-	SB2	Y	
10	10W Light holder	E,H1	SB4	Y	
11	Step Light GF-FF	F,H1	SB6	Y	Tubelight or Bulb or Panel Light Two way switch
12	Toilet Light-1	B-H,H1	SB6	Y	Panel Light
13	Exhaust Fan	B,H2	SB3/2	N	
14	Washbasin Light	C,H2	SB3	N	
15	Trimmer (5A+S)	-	SB3	Y	
16	UPS + Battery	A,H5	SB5	-	
17	Step LED Strip Light	A,H5	SB2	N	On Granite Beading. 2Way Switch
18	Conceaed Spot Light		SB2	N	On 4 Corners
19	Hanging Light 3Nos		SB2	N	In Beam. Single Switch
20	Panel Light		SB6	N	Single Switch



Switch Box	Sockets 5A	Sockets 15A	Switch (Sockets + Others)	Metal Box
SB1	7	-	7+0	2M-1,4M-1,6M-2
SB2	1		1+9 (1-Two way switch)	12M-1
SB3	1		1+2	4M-1 (5 reqd)
SB4			0+6	6M-1 (8 reqd)
SB5		1	1	6M-1
SB6	-	-	0+3 (1-Two way switch)	3M-1

Study Room + Balcony

No	Provision for	Location (Wall,Height)	Switch Box	UPS	Remarks
1	Computer Unit (5A+S: 6Nos 15A+S:2Nos)	B,H3	SB1	Y	CPU, 2 Monitors, Modem, Speaker, Ham, Laptop or Mobile charger, CCTV If separate UPS required – Reduce 4points
2	Tubelight-1	G,H2	SB2	Y	
3	Tubelight-2	B,H2	SB2	Y	
4	Fan	A-G,H0	SB2	Y	
5	E27 Bulb Holder	B,H2	SB2	Y	
6	Portico Light	D-G, H1	SB3	Y	Panel Light
7	Focus Light	F, H0	SB2 (2Nos)	N	In Beam



Switch Box No	Sockets 5A	Sockets 15A	Switch (Sockets + Others)	Metal Box
SB1	6	2	8+0 , LAN – 4, Telephone - 1	2M-1, 4M – 1 , 12M – 2
SB2	-	-	0+6	12M-1 (6 reqd)
SB3	-	-	0+1	2M-1

Additional Piping requirements

- LAN Cable
 - CAT7 Cable & RJ45 Ports
 - Outside to Home – How??
 - Hall TV Unit, FF MBR TV Unit and FF Computer Unit
- DTH cable from Terrace to Hall TV Unit, FF MBR TV Unit
- CCTV Camera Cable to FF Computer Unit
- HAM Radio antenna cable from Terrace to Computer Unit
- Home Theatre – Wiring for Rear Speaker in Hall
- Intercom Telephone Wiring – GF - FF