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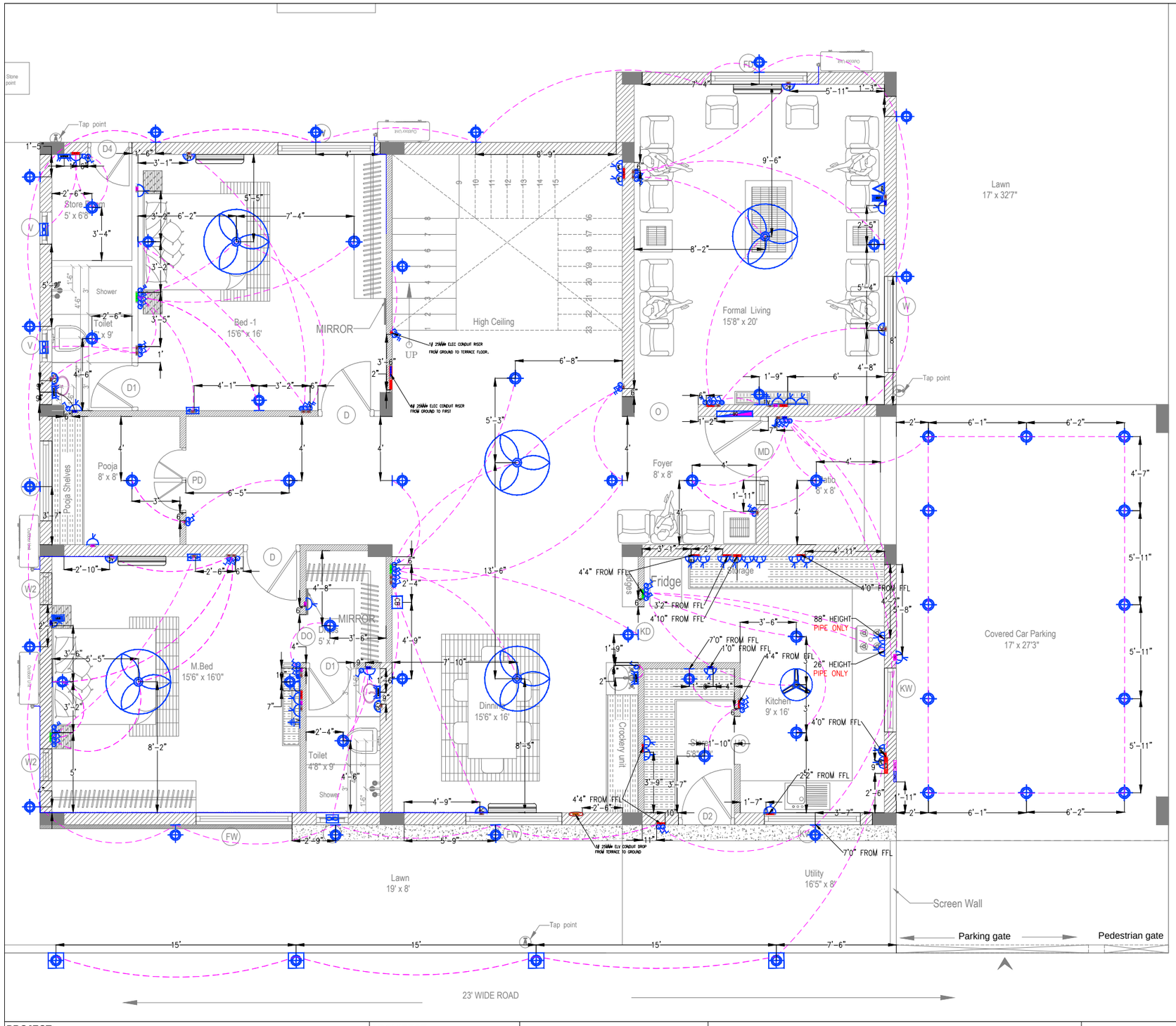
3/350/2 Mettukuppam,
OMR Thoraipakkam,
Chennai, India

hello@verified.realestate
+91 9996 12 9996

Official Property Record

Digitally Verified Record - Powered by Verified RealEstate™





ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	BOLLARD LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	PROVISIONAL CEILING LIGHT
	FOOT LAMP
	6A SOCKET
	6/16A SOCKET WITH SWITCH
	6A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	WALL MOUNTED FAN
	EXHAUST FAN
	6A ONE WAY SWITCH
	6A TWO WAY SWITCH
	16A SINGLE POLE SWITCH
	25A SINGLE POLE SWITCH
	FAN SWITCH REGULATOR – STEPPED TYPE
	BELL PUSH
	CALLING BELL / VIDEO DOOR PHONE
	MIRROR LIGHT
	DISTRIBUTION BOARD DISTRIBUTION BOARD
	1/2 MODULE BOX
	3 MODULE BOX
	4 MODULE BOX
	6 MODULE BOX 12 MODULE BOX
	8 MODULE BOX
	25 MM ø MAIN LIGHTING CONDUIT
	19 MM ø LIGHTING CONDUIT
	25 MM ø MAIN POWER CONDUIT
	19 MM ø POWER CONDUIT
	32 MM ø CONDUIT FROM EB METERING TO DB
	25 MM ø FLOOR CONDUIT
	19 MM ø CALLING BELL CONDUIT
	25 MM ø TV CONDUIT
	25 MM ø TELEPHONE CONDUIT
	19 MM ø CCTV CONDUIT
	CONDUIT DROP / RISER

CONDUIT SCHEDULE			
CROSS SECTION AREA OF WIRE	MAX. NO. OF WIRES IN CONDUIT		
	20ø	25ø	32ø
1.5 SQ.MM	5	10	14
2.5 SQ.MM	5	8	12
4 SQ.MM	3	7	10
6 SQ.MM	2	5	8
10 SQ.MM	–	3	5

SWITCH BOX	DIMENSIONS ARE IN MM L x H x D		
1&2 MODULE	75	79	46
3 MODULE	99	79	46
4 MODULE	135	79	52
6 MODULE	207	79	52
8 MODULE	230	79	52
DB	617	715	80

ABBREVIATION:

AG	–	AQUA GUARD
A/C	–	AIR CONDITIONING
CHIM	–	CHIMNEY
DB	–	DISTRIBUTION BOARD
FRI	–	FRIDGE
GEY	–	GEYSER
GRI	–	GRINDER
MIXI	–	MIXER
MO	–	MICROWAVE OVEN
TV	–	TELEVISION
WM	–	WASHING MACHINE
JUI	–	JUICER

PROJECT:

Proposed Villa for
M/s. Naaval Properties @ Salem

CLIENT:

M/s. Naaval Properties @ Salem

ARCHITECT:

IDEA SPACE
No : 63/2, Alwin Nagar, Sungam By Pass Road,
Ramanathapuram , Coimbatore - 45.
Mobile : 9944474804.

DIRECTION: N W E S

REV.NO.	DATE	DESCRIPTION	APP. BY
R1	09.09.2023	AS PER CLIENT REQUEST ELECTRICAL POINT UPDARED	R.G

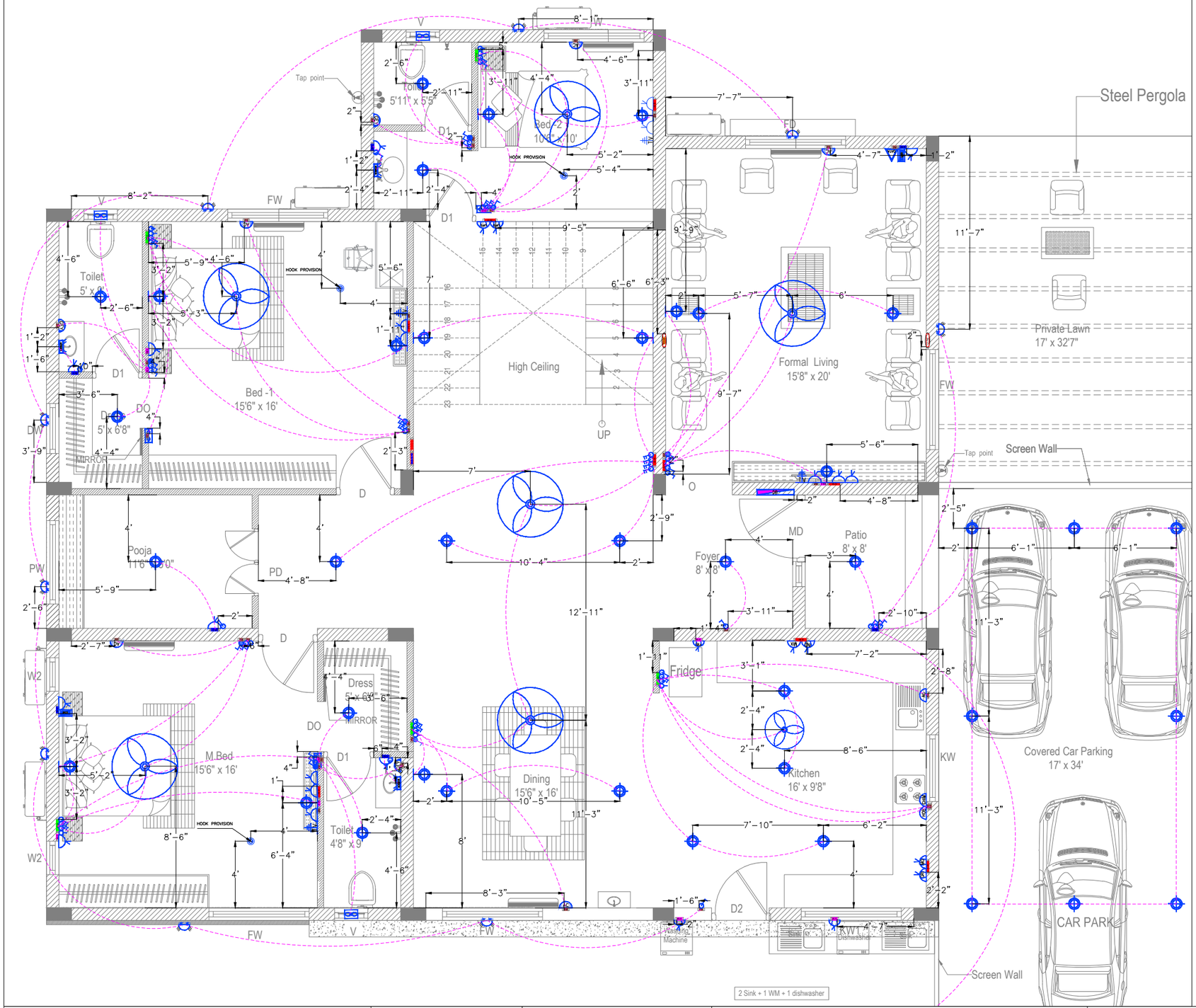
MEP CONSULTANTS:

Optimal MEP Consultants
Door No :230,17th Street ,
Defence officers colony,Ekkatuthangal, Chennai-32.
Mail : projects@optimalmep.com
Mail : gobinath@optimalmep.com
Ph : 044-45096428

TITLE:

VILLA - 04 GROUND FLOOR ELE
POINT & SWITCH CONTROL LAYOUT

PROJECT CODE :					PROJECT NAME :		
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		09.09.2023	1:100	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



CONDUIT SCHEDULE			
CROSS SECTION AREA OF WIRE	MAX. NO. OF WIRES IN CONDUIT		
	20ø	25ø	32ø
1.5 SQ.MM	5	10	14
2.5 SQ.MM	5	8	12
4 SQ.MM	3	7	10
6 SQ.MM	2	5	8
10 SQ.MM	–	3	5

ABBREVIATION:

AG	–	AQUA GUARD
A/C	–	AIR CONDITIONING
CHIM	–	CHIMNEY
DB	–	DISTRIBUTION BOARD
FRI	–	FRIDGE
GEY	–	GEYSER
GRI	–	GRINDER
MIXI	–	MIXER
MO	–	MICROWAVE OVEN
TV	–	TELEVISION
WM	–	WASHING MACHINE
JUI	–	JUICER

	DIMENSIONS ARE IN MM		
	L	H	D
1&2 MODULE	75	79	46
3 MODULE	99	79	46
4 MODULE	135	79	52
6 MODULE	207	79	52
8 MODULE	230	79	52
DB	617	715	80

ELECTRICAL MOUNTING HEIGHTS

	Fixture	Model Box Bottom From FFL
1	Main Switch Board	1200mm
2	6A Socket	600mm
3	Wall Bracket Light	2700mm / Above the lintel
4	6/10/13A Socket (Living)	1500mm
5	6/10/13A Socket (Bed Room)	600mm
6	6/10/13A Socket (Kitchen)	1000mm from FFL
7	16A Socket (Geyser)	2700mm
8	6/10/13A Socket (Chimney)	2100mm
9	6/10/13A Socket (Aqua guard)	Below The Counter
10	6/10/13A Socket (Dish washer)	1050mm
11	6/10/13A Socket (Oven,Grinder,Mixer)	1000mm from FFL
12	5/15A Socket (Washing Machine)	1500mm
13	5/15A Socket (Fridge)	1500mm
14	6/10/13A Socket (Iron)	1050mm
15	Distribution Board	2100mm top of DB from FFL
16	TV Outlet & 6A Socket	900mm
17	Telephone Outlet / Data Outlet	600mm
18	One and Two way switch - Bed side	600mm
19	One and Two way switch - Door side	1500mm
20	Video Door phone	1400mm
21	Calling Bell Buzzer	2350mm
22	6/10/13A Unswitched Socket (Exhaust)	2100mm/As per the Ventilator level
23	6/10/13A Socket (Shower)	1500mm
24	Foot Lamp	300mm
25	Mirror Light - Wash Basin	1950mm
26	Call bell switch	1500mm
27	HOB Point	500mm
28	25A A/C Socket	2700mm
29	ELV Junction Box	300mm
30	STAIRCASE LIGHT POINT	2500mm FROM MOLANDING LEVEL
31	UPS 6A SOCKET	600MM

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	BOLLARD LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	PROVISIONAL CEILING LIGHT
	FOOT LAMP
	6A SOCKET
	6/16A SOCKET WITH SWITCH
	6A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	WALL MOUNTED FAN
	EXHAUST FAN
	6A ONE WAY SWITCH
	6A TWO WAY SWITCH
	16A SINGLE POLE SWITCH
	25A SINGLE POLE SWITCH
	FAN SWITCH REGULATOR – STEPPED TYPE
	BELL PUSH
	CALLING BELL / VIDEO DOOR PHONE
	MIRROR LIGHT
	DISTRIBUTION BOARD DISTRIBUTION BOARD
	1/2 MODULE BOX
	3 MODULE BOX
	4 MODULE BOX
	6 MODULE BOX 12 MODULE BOX
	8 MODULE BOX
	25 MM ø MAIN LIGHTING CONDUIT
	19 MM ø LIGHTING CONDUIT
	25 MM ø MAIN POWER CONDUIT
	19 MM ø POWER CONDUIT
	32 MM ø CONDUIT FROM EB METERING TO DB
	25 MM ø FLOOR CONDUIT
	19 MM ø CALLING BELL CONDUIT
	25 MM ø TV CONDUIT
	25 MM ø TELEPHONE CONDUIT
	19 MM ø CCTV CONDUIT
	CONDUIT DROP / RISER

PROJECT:

Proposed Villa for
M/s. Naaval Properties @ Salem

CLIENT:

M/s. Naaval Properties @ Salem

ARCHITECT:

IDEA SPACE

No : 63/2, Alwin Nagar, Sungam By Pass Road, Ramanathapuram , Coimbatore - 45.
Mobile : 99444748O4

DIRECTION: N W E S

REV.NO.	DATE	DESCRIPTION	APP. BY
R1	12.09.2023	AS PER CLIENT REQUEST ELECTRICAL POINT UPDARED	R.G

MEP CONSULTANTS:

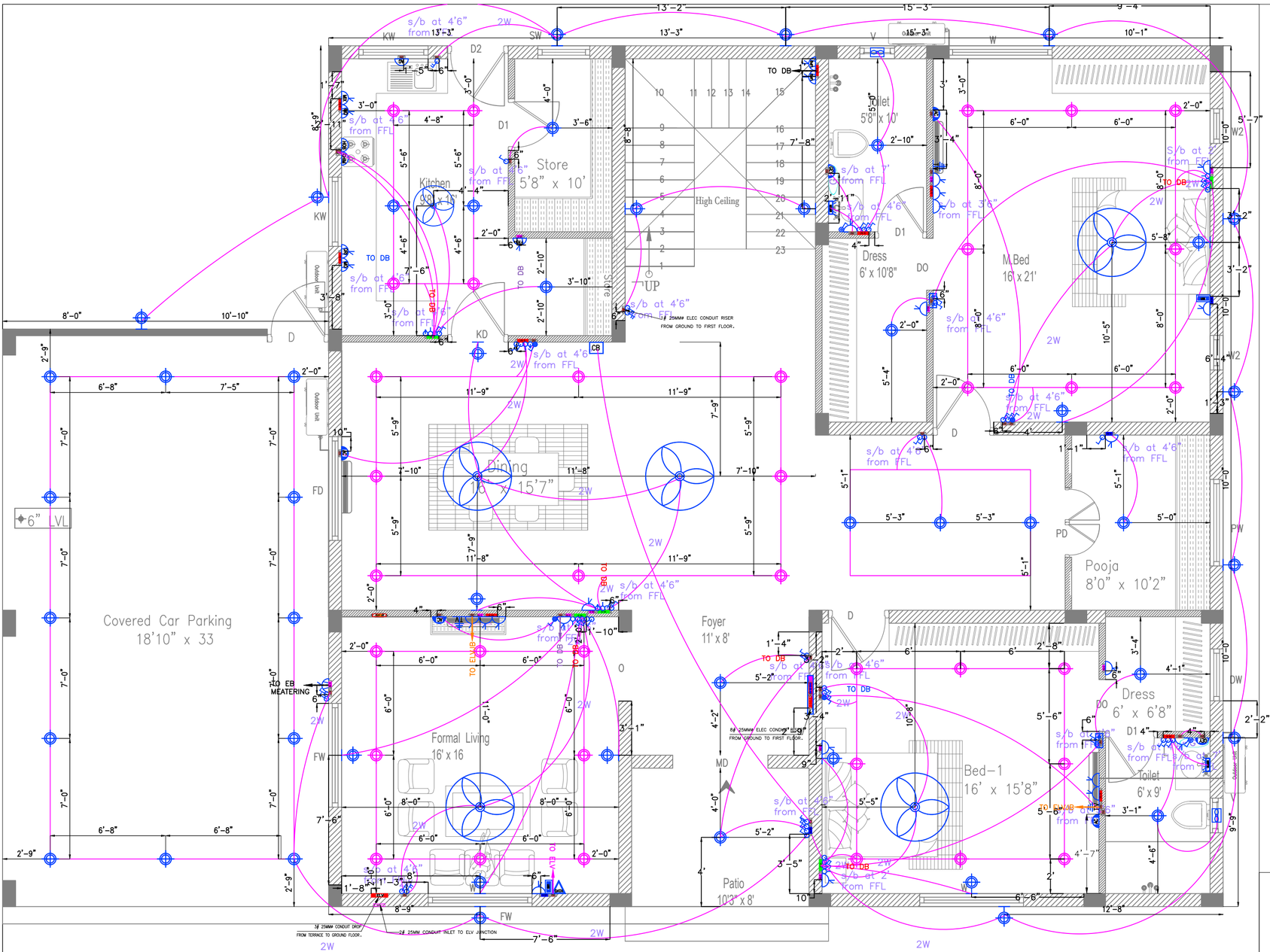
Optimal MEP Consultants

Door No :230,17th Street ,
Defence officers colony,Ekkatuthangal, Chennai-32.
Mail : projects@optimalmep.com
Mail : gobinath@optimalmep.com
Ph : 044-45096428

TITLE:

VILLA - 05 GROUND FLOOR ELE
POINT & SWITCH CONTROL LAYOUT

PROJECT CODE :					PROJECT NAME :		
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		12.09.2023	1:50	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



SWITCH BOX	DIMENSIONS ARE IN MM L x H x D		
1&2 MODULE	75	79	46
3 MODULE	99	79	46
4 MODULE	135	79	52
6 MODULE	207	79	52
8 MODULE	230	79	52
DB	617	715	80

ABBREVIATION:

AG	–	AQUA GUARD
A/C	–	AIR CONDITIONING
CHIM	–	CHIMNEY
DB	–	DISTRIBUTION BOARD
FRI	–	FRIDGE
GEY	–	GEYSER
GRI	–	GRINDER
MIXI	–	MIXER
MO	–	MICROWAVE OVEN
TV	–	TELEVISION
WM	–	WASHING MACHINE
JUI	–	JUICER

ELECTRICAL MOUNTING HEIGHTS

	Fixture	Mounting Height (mm)
1	Main Switch Board	1500mm
2	6A Socket	600mm
3	Wall Bracket Light	2350mm / Above the lintel
4	6/10/13A Socket (Living)	1500mm bottom
5	6/10/13A Socket (Bed Room)	300mm bottom
6	6/10/13A Socket (Kitchen)	1000mm from FFL
7	16A Socket (Geyser)	2200mm
8	6/10/13A Socket (Chimney)	1500mm
9	6/10/13A Socket (Aqua guard)	Below The Counter
10	6/10/13A Socket (Dish washer)	1050mm
11	6/10/13A Socket (Oven,Grinder,Mixer)	1000mm from FFL
12	5/15A Socket (Washing Machine)	1500mm
13	5/15A Socket (Fridge)	1500mm
14	6/10/13A Socket (Iron)	1050mm
15	Distribution Board	2100mm top of DB from FFL
16	TV Outlet & 6/10/13A Socket	1050mm & 600mm for Home Theater
17	Telephone Outlet / Data Outlet	600mm
18	One and Two way switch – Bed side	600mm
19	One and Two way switch – Door side	1500mm
20	Video Door phone	1400mm
21	Calling Bell Buzzer	2350mm
22	6/10/13A Unswitched Socket (Exhaust)	2100mm/As per the Ventilator level
23	6/10/13A Socket (Shaver)	1500mm
24	Foot Lamp	300mm
25	Mirror Light – Wash Basin	1950mm
26	Call bell switch	1500mm
27	HOB Point	500mm
28	25A A/C Socket	2200mm
29	ELV Junction Box	2000mm
30	STAIRCASE LIGHT POINT	2500mm FROM MIDLANDING LEVEL

WIRING SCHEDULE

A–10A MCB 'B' CURVE 2R x 2.5SQ.MM & 1R x 1.5SQ.MM SECONDRY 3R x1SQ.MM FOR LIGHTING & 6A SMALL POWER SOCKETS

B–16A MCB 'C' CURVE 2R x 2.5SQ.MM & 1R x 1.5SQ.MM FOR REFRIGERATOR, WASHING MACHINE, DRYER, DISH WASHER, MICROWAVE OVEN, GRINDER & GEYSER

C–25A MCB 'C' CURVE 2R x 4SQ.MM & 1R x 2.5SQ.MM FOR A/C

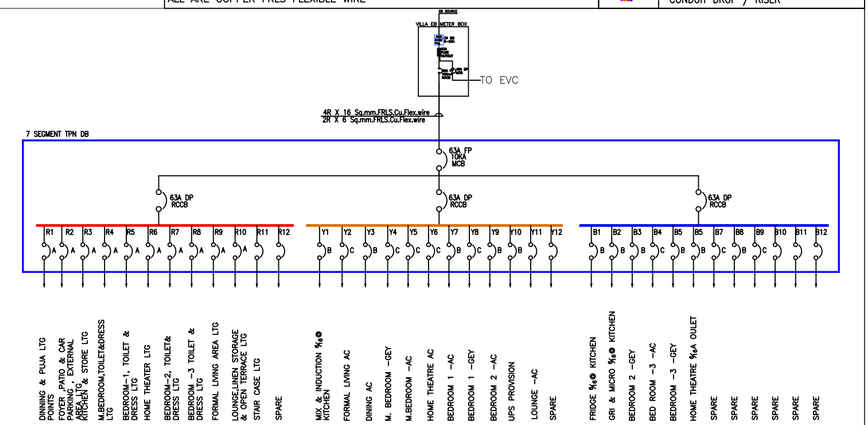
D–40A MCB 'D' CURVE 3R x 4sq.mm & 1R x 2.5SQ.MM FOR LIFT

40A MCB 'D' CURVE 4R x 4sq.mm & 1R x 2.5SQ.MM FOR EVC

ALL ARE COPPER FRLS FLEXIBLE WIRE

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	BOLLARD LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	PROVISIONAL LIGHT @ FALSE CEILING LVL
	FOOT LAMP
	6A SOCKET
	6/16A SOCKET WITH SWITCH
	6A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	WALL MOUNTED FAN
	EXHAUST FAN
	6A ONE WAY SWITCH
	6A TWO WAY SWITCH
	16A SINGLE POLE SWITCH
	25A SINGLE POLE SWITCH
	FAN SWITCH REGULATOR – STEPPED TYPE
	BELL PUSH
	CALLING BELL / VIDEO DOOR PHONE
	MIRROR LIGHT
	DISTRIBUTION BOARD DISTRIBUTION BOARD
	1/2 MODULE BOX
	3 MODULE BOX
	4 MODULE BOX
	6 MODULE BOX / 12 MODULE BOX
	8 MODULE BOX
	25 MM ø MAIN LIGHTING CONDUIT
	19 MM ø LIGHTING CONDUIT
	25 MM ø MAIN POWER CONDUIT
	19 MM ø POWER CONDUIT
	32 MM ø CONDUIT FROM EB METERING TO DB
	25 MM ø FLOOR CONDUIT
	19 MM ø CALLING BELL CONDUIT
	25 MM ø TV CONDUIT
	25 MM ø TELEPHONE CONDUIT
	19 MM ø CCTV CONDUIT
	SWITCH CONTROL
	CONDUIT DROP / RISER



PROJECT:

Proposed Villa for
M/s. Naaval Properties @ Salem

CLIENT:

M/s. Naaval Properties @ Salem

ARCHITECT:

IDEA SPACES

No : 63/2, Alwin Nagar, Sungam By Pass Road, Ramanathapuram , Coimbatore - 45.
Mobile : 99444748O4

DIRECTION:

N W E S

REV.NO.	DATE	DESCRIPTION	APP. BY
R1	27.12.2022	ISSUED FOR GFC	R.G
R0	21.09.2022	ISSUED FOR TENDER	R.G

MEP CONSULTANTS:

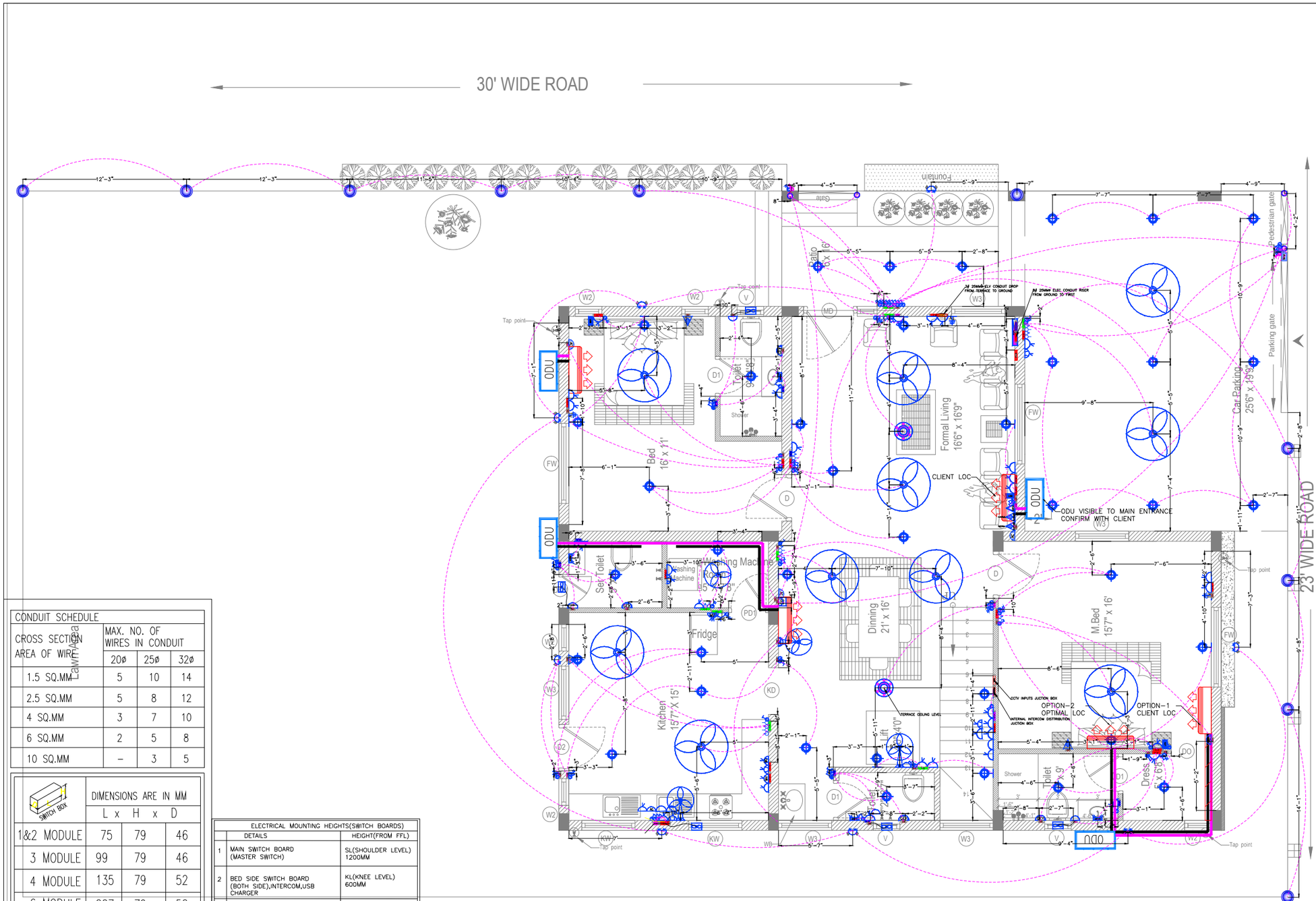
Optimal MEP Consultants

Door No :230,17th Street ,
Defence officers colony,Ekkatuthangal, Chennai-32.
Mail : projects@optimalmep.com
Mail : gobinath@optimalmep.com
Ph : 044-45096428

TITLE:

VILLA - 09 GROUND FLOOR ELE SWITCH & DIM LAYOUT

PROJECT CODE :				PROJECT NAME :			
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		27.12.2022	1:100	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	TUBE LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	MIRROR LIGHT
	FOOT LAMP
	6A SOCKET
	6/16A SOCKET WITH SWITCH
	6A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	WALL MOUNTED FAN
	EXHAUST FAN
	6A ONE WAY SWITCH
	6A TWO WAY SWITCH
	16A SINGLE POLE SWITCH
	25A SINGLE POLE SWITCH
	FAN SWITCH REGULATOR – STEPPED TYPE
	BELL PUSH
	CALLING BELL / VIDEO DOOR PHONE
	DECRATIVE STRIP LIGHT
	DISTRIBUTION BOARD DISTRIBUTION BOARD
	1/2 MODULE BOX
	3 MODULE BOX
	4 MODULE BOX
	6 MODULE BOX / 12 MODULE BOX
	8 MODULE BOX
	25 MM ø MAIN LIGHTING CONDUIT
	19 MM ø LIGHTING CONDUIT
	25 MM ø MAIN POWER CONDUIT
	19 MM ø POWER CONDUIT
	32 MM ø CONDUIT FROM EB METERING TO DB
	25 MM ø FLOOR CONDUIT
	19 MM ø CALLING BELL CONDUIT
	25 MM ø TV CONDUIT
	25 MM ø TELEPHONE CONDUIT
	GATE LIGHT
	COMPOMOUND WALL LIGHT

CONDUIT SCHEDULE			
CROSS SECTION AREA OF WIRE	MAX. NO. OF WIRES IN CONDUIT		
	20ø	25ø	32ø
1.5 SQ.MM	5	10	14
2.5 SQ.MM	5	8	12
4 SQ.MM	3	7	10
6 SQ.MM	2	5	8
10 SQ.MM	–	3	5

SWITCH BOX	DIMENSIONS ARE IN MM L x H x D		
1&2 MODULE	75	79	46
3 MODULE	99	79	46
4 MODULE	135	79	52
6 MODULE	207	79	52
8 MODULE	230	79	52
DB	617	715	80

ELECTRICAL MOUNTING HEIGHTS(SWITCH BOARDS)		
	DETAILS	HEIGHT(FROM FFL)
1	MAIN SWITCH BOARD (MASTER SWITCH)	SL(SHOULDER LEVEL) 1200MM
2	BED SIDE SWITCH BOARD (BOTH SIDE),INTERCOM,USB CHARGER	KL(KNEE LEVEL) 600MM
3	AC,GEYSER,EXHAUST PLUG,WALL FAN PLUG	LL(LINTEL LEVEL)
4	TOILET MIRROR & SAVER SOCKET SWITCH BOARD,TV SOCKET & TV PORTS & HL MENTIONED IN DWG	HL(HIP LEVEL) 900MM
4	WALL LIGHT	LL(LINTEL LEVEL)

PROJECT:
Proposed Villa for
M/s. Naaval Properties @ Salem

CLIENT:
M/s. Naaval Properties @ Salem

ARCHITECT:
IDEA SPACE
No : 63/2, Alwin Nagar, Sungam By Pass Road, Ramanathapuram , Coimbatore - 45.
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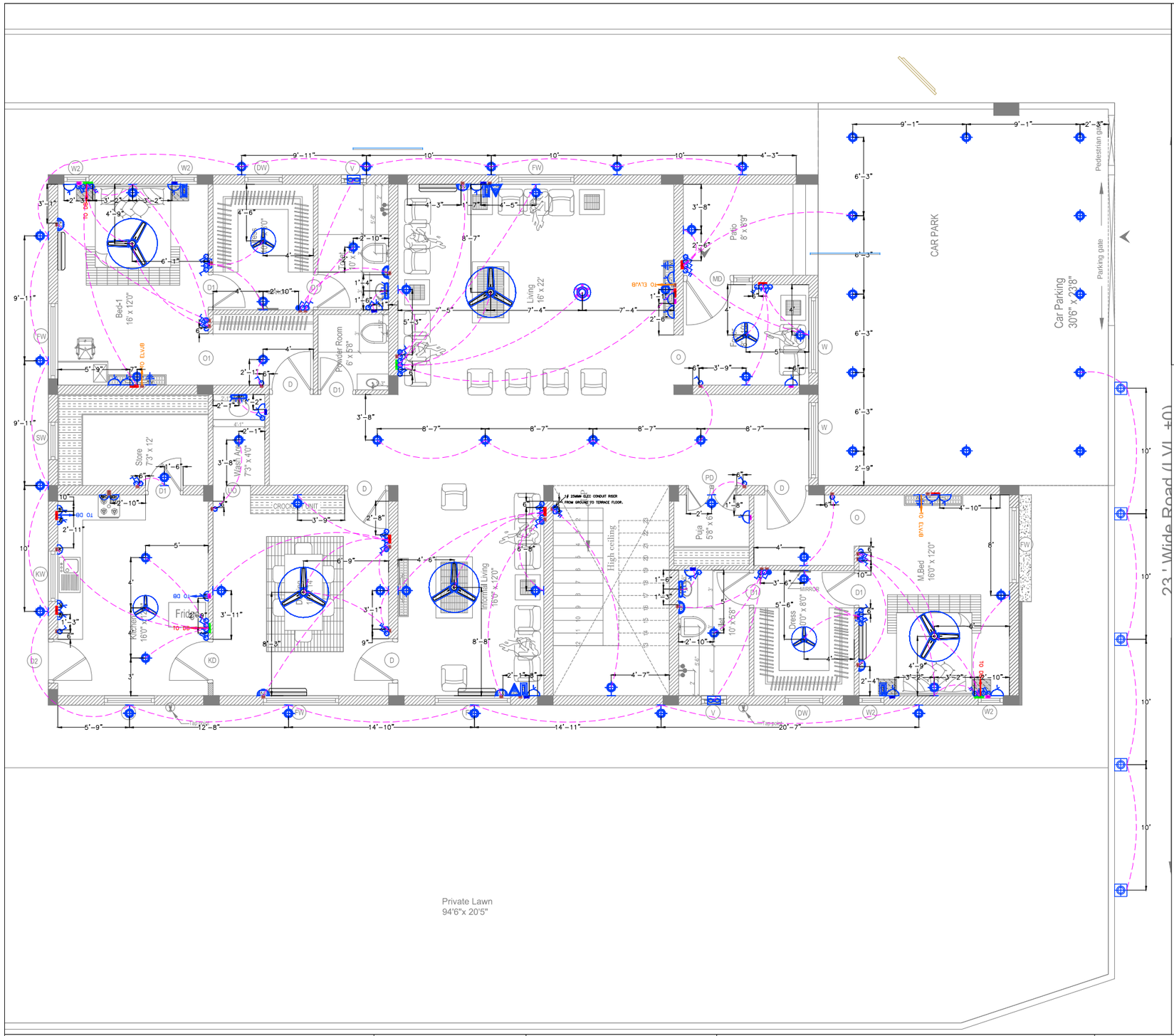
DIRECTION: N W E S

REV.NO.	DATE	DESCRIPTION	APP. BY
R1	09.09.2023	AS PER CLIENT REQUEST ELECTRICAL POINT UPDARED	R.G

MEP CONSULTANTS:
Optimal MEP Consultants
Door No :230,17th Street ,
Defence officers colony,Ekkatuthangal, Chennai-32.
Mail : projects@optimalmep.com
Mail : gobinath@optimalmep.com
Ph : 044-45096428

TITLE:
VILLA - 10 GROUND FLOOR ELE POINT & SWITCH CONTROL LAYOUT

PROJECT CODE :				PROJECT NAME :			
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		09.09.2023	1:100	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



ELECTRICAL MOUNTING HEIGHTS		
	Fixture	Model Box Bottom From FFL
1	Main Saltch Board	1500mm
2	6A Socket	600mm
3	Wall Bracket Light	2700mm / Above the fintel
4	6/10/13A Socket (Living)	1500mm
5	6/10/13A Socket (Bed Room)	600mm
6	6/10/13A Socket (Kitchen)	1000mm from FFL
7	16A Socket (Geyser)	2700mm
8	6/10/13A Socket (Chimney)	2100mm
9	6/10/13A Socket (Aqua guard)	Below The Counter
10	6/10/13A Socket (Dish washer)	1050mm
11	6/10/13A Socket (Oven,Grinder,Mixer)	1000mm from FFL
12	5/15A Socket (Washing Machine)	1500mm
13	5/15A Socket (Fridge)	1500mm
14	6/10/13A Socket (Iron)	1050mm
15	Distribution Board	2100mm top of DB from FFL
16	TV Outlet & 6A Socket	900mm
17	Telephone Outlet / Data Outlet	600mm
18	One and Two way switch - Bed side	600mm
19	One and Two way switch - Door side	1500mm
20	Video Door phone	1400mm
21	Calling Bell Buzzer	2350mm
22	6/10/13A Unswitched Socket (Exhaust)	2100mm/As per the Ventilator level
23	6/10/13A Socket (Shaver)	1500mm
24	Foot Lamp	300mm
25	Mirror Light - Wash Basin	1950mm
26	Call bell switch	1500mm
27	HOB Point	500mm
28	25A A/C Socket	2700mm
29	ELV Junction Box	300mm
30	STAIRCASE LIGHT POINT	2500mm FROM MOLANDING LEVEL
31	UPS 6A SOCKET	600MM

SWITCH BOX	DIMENSIONS ARE IN MM L x H x D		
1&2 MODULE	75	79	46
3 MODULE	99	79	46
4 MODULE	135	79	52
6 MODULE	207	79	52
8 MODULE	230	79	52
DB	617	715	80

ABBREVIATION:

AG	– AQUA GUARD
A/C	– AIR CONDITIONING
CHIM	– CHIMNEY
DB	– DISTRIBUTION BOARD
FRI	– FRIDGE
GEY	– GEYSER
GRI	– GRINDER
MIXI	– MIXER
MO	– MICROWAVE OVEN
TV	– TELEVISION
WM	– WASHING MACHINE
JUI	– JUICER

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	TUBE LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	MIRROR LIGHT
	FOOT LAMP
	6A SOCKET
	6A SOCKET WITH SICH
	6/16A SOCKET
	6/16A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	EXHAUST FAN
	6A ONE WAY SWITCH
	6A TWO WAY SWITCH
	16A SINGLE POLE SWITCH
	25A SINGLE POLE SWITCH
	FAN REGULATOR & SWITCH – STEPPED TYPE
	BELL PUSH
	CALLING BELL / VIDEO DOOR PHONE
ELV	DISTRIBUTION BOARD/ELV JB
	TUBE LIGHT
	EMERGENCY TUBE LIGHT
	MODEL BOX
	FIX ANGLE BULLET CAMERA
	DOME CAMERA
	STREET LIGHT
	32A ELEC. VEHICLE CHARGING POINT

PROJECT:
Proposed Villa for
M/s. Naaval Properties @ Salem

CLIENT:
M/s. Naaval Properties @ Salem

ARCHITECT:
IDEA SPACE
No : 63/2, Alwin Nagar, Sungam By Pass Road, Ramanathapuram , Coimbatore - 45.
Mobile : 9944474804

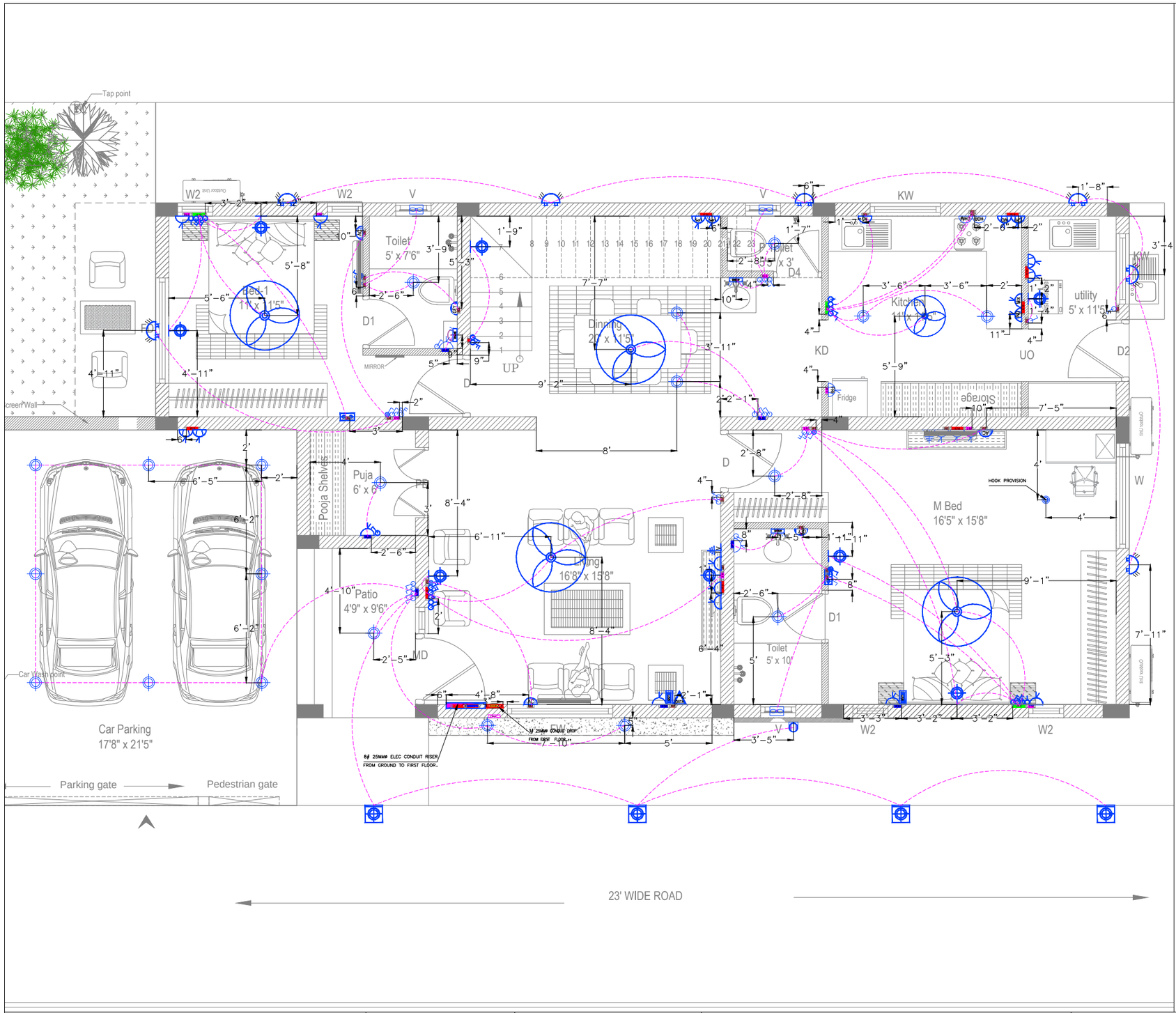
DIRECTION: N W E S

REV.NO.	DATE	DESCRIPTION	APP. BY
R1	13.09.2023	AS PER CLIENT REQUEST ELECTRICAL POINT UPDARED	R.G
R0	21.09.2022	ISSUED FOR TENDER	R.G

MEP CONSULTANTS:
Optimal MEP Consultants
Door No :230,17th Street ,
Defence officers colony,Ekkatuthangal, Chennai-32.
Mail : projects@optimalmep.com
Mail : gobinath@optimalmep.com
Ph : 044-45096428

TITLE:
VILLA - 15 GROUND FLOOR ELE POINT & SWITCH CONTROL LAYOUT

PROJECT CODE :				PROJECT NAME :			
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		13.09.2023	1:100	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



CONDUIT SCHEDULE			
CROSS SECTION AREA OF WIRE	MAX. NO. OF WIRES IN CONDUIT		
	20Ø	25Ø	32Ø
1.5 SQ.MM	5	10	14
2.5 SQ.MM	5	8	12
4 SQ.MM	3	7	10
6 SQ.MM	2	5	8
10 SQ.MM	–	3	5

SWITCH BOX	DIMENSIONS ARE IN MM		
	L x H x D		
1&2 MODULE	75	79	46
3 MODULE	99	79	46
4 MODULE	135	79	52
6 MODULE	207	79	52
8 MODULE	230	79	52
DB	617	715	80

ELECTRICAL MOUNTING HEIGHTS		
	Fixture	Meter Box Bottom From FFL
1	Main Switch Board	1200mm
2	6A Socket	600mm
3	Wall Bracket Light	2700mm / Above the Door
4	6/10/13A Socket (Living)	1500mm
5	6/10/13A Socket (Bed Room)	600mm
6	6/10/13A Socket (Kitchen)	1000mm from FFL
7	16A Socket (Geyser)	2700mm
8	6/10/13A Socket (Chimney)	2100mm
9	6/10/13A Socket (Aqua guard)	Below The Counter
10	6/10/13A Socket (Dish washer)	1050mm
11	6/10/13A Socket (Oven,Grinder,Mixer)	1000mm from FFL
12	6/15A Socket (Washing Machine)	1500mm
13	6/15A Socket (Fridge)	1500mm
14	6/10/13A Socket (Iron)	1050mm
15	Distribution Board	2100mm top of DB from FFL
16	Tv Outlet & 6A Socket	900mm
17	Telephone Outlet / Data Outlet	600mm
18	One and Two way switch - Bed side	600mm
19	One and Two way switch - Door side	1500mm
20	Video Door phone	1400mm
21	Calling Bell Buzzer	2350mm
22	6/10/13A Unswitched Socket (Exhaust)	2100mm/As per the Ventilator level
23	6/10/13A Socket (Shaver)	1500mm
24	Foot Lamp	300mm
25	Mirror Light - Wash Basin	1950mm
26	Call bell switch	1500mm
27	HOB Point	500mm
28	25A A/C Socket	2700mm
29	ELV Junction Box	300mm
30	STAIRCASE LIGHT POINT	2500mm FROM WALKING LEVEL
31	UPS 6A SOCKET	600MM

ABBREVIATION:

AG	–	AQUA GUARD
A/C	–	AIR CONDITIONING
CHIM	–	CHIMNEY
DB	–	DISTRIBUTION BOARD
FRI	–	FRIDGE
GEY	–	GEYSER
GRI	–	GRINDER
MIXI	–	MIXER
MO	–	MICROWAVE OVEN
TV	–	TELEVISION
WM	–	WASHING MACHINE
JUI	–	JUICER

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	BOLLARD LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	PROVISIONAL CEILING LIGHT
	FOOT LAMP
	6A SOCKET
	6/16A SOCKET WITH SWITCH
	6A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	WALL MOUNTED FAN
	EXHAUST FAN
	6A ONE WAY SWITCH
	6A TWO WAY SWITCH
	16A SINGLE POLE SWITCH
	25A SINGLE POLE SWITCH
	FAN SWITCH REGULATOR – STEPPED TYPE
	BELL PUSH
	CALLING BELL / VIDEO DOOR PHONE
	MIRROR LIGHT
	DISTRIBUTION BOARD DISTRIBUTION BOARD
	1/2 MODULE BOX
	3 MODULE BOX
	4 MODULE BOX
	6 MODULE BOX 12 MODULE BOX
	8 MODULE BOX
	25 MM ø MAIN LIGHTING CONDUIT
	19 MM ø LIGHTING CONDUIT
	25 MM ø MAIN POWER CONDUIT
	19 MM ø POWER CONDUIT
	32 MM ø CONDUIT FROM EB METERING TO DB
	25 MM ø FLOOR CONDUIT
	19 MM ø CALLING BELL CONDUIT
	25 MM ø TV CONDUIT
	25 MM ø TELEPHONE CONDUIT
	19 MM ø CCTV CONDUIT
	CONDUIT DROP / RISER

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Ramanathapuram , Coimbatore - 45.
Mobile : 9944474804

DIRECTION:

N W E S

REV.NO.	DATE	DESCRIPTION	APP. BY
R1	12.09.2023	AS PER CLIENT REQUEST ELECTRICAL POINT UPDARED	R.G

MEP CONSULTANTS:

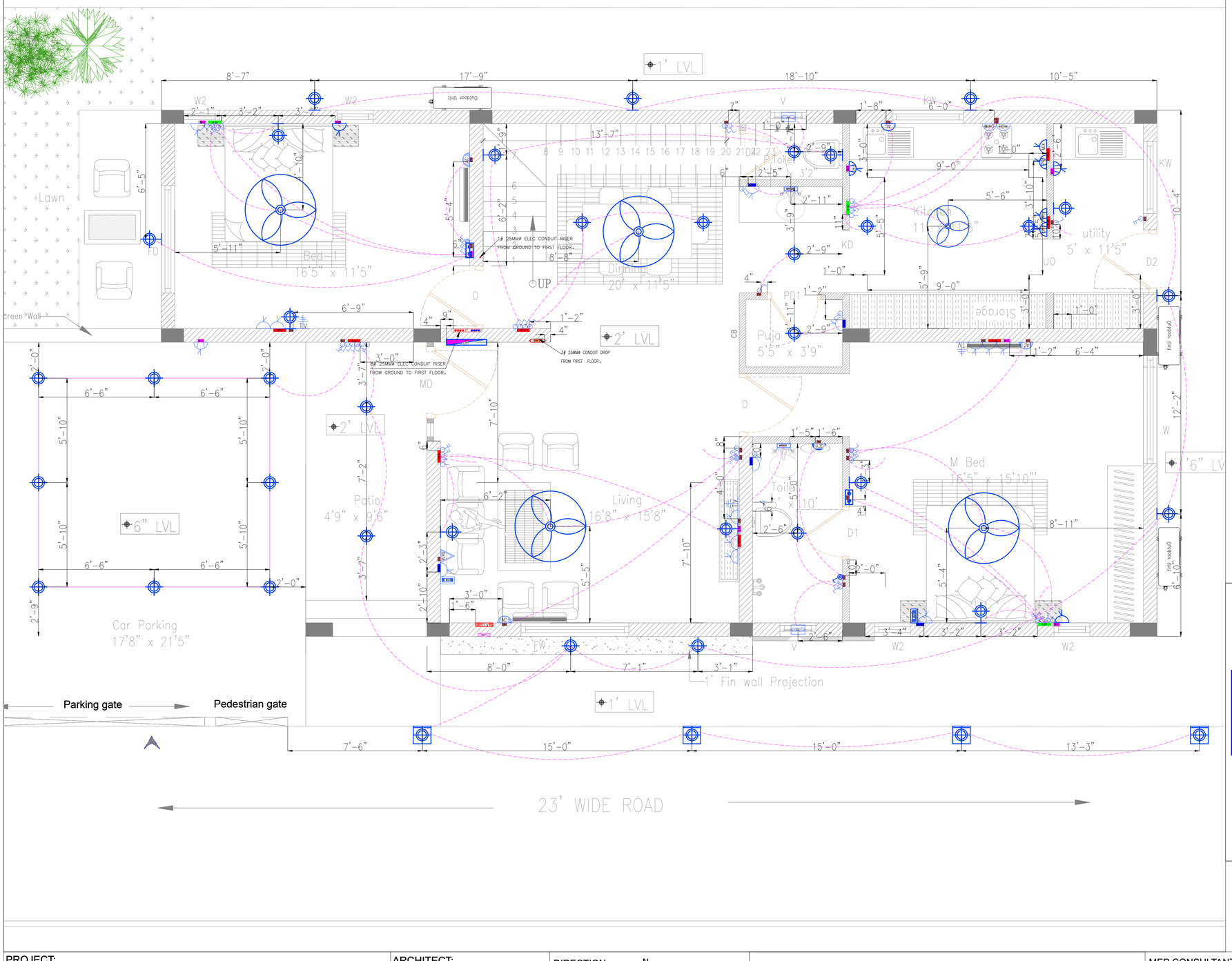
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TITLE:

VILLA - 16 GROUND FLOOR ELE
POINT & SWITCH CONTROL LAYOUT

PROJECT CODE :					PROJECT NAME :		
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		12.09.2023	1:100	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



ELECTRICAL MOUNTING HEIGHTS		
	Fixture	Mounting Height (mm)
1	Main Switch Board	1500mm
2	6A Socket	600mm
3	Wall Bracket Light	2350mm / Above the lintel
4	6/10/13A Socket (Living)	1500mm bottom
5	6/10/13A Socket (Bed Room)	300mm bottom
6	6/10/13A Socket (Kitchen)	1000mm from FFL
7	16A Socket (Geyser)	2200mm
8	6/10/13A Socket (Chimney)	1500mm
9	6/10/13A Socket (Aqua guard)	Below The Counter
10	6/10/13A Socket (Dish washer)	1050mm
11	6/10/13A Socket (Oven,Grinder,Mixer)	1000mm from FFL
12	5/15A Socket (Washing Machine)	1500mm
13	5/15A Socket (Fridge)	1500mm
14	6/10/13A Socket (Iron)	1050mm
15	Distribution Board	2100mm top of DB from FFL
16	TV Outlet & 6/10/13A Socket	1050mm & 600mm for Home Theater
17	Telephone Outlet / Data Outlet	600mm
18	One and Two way switch – Bed side	600mm
19	One and Two way switch – Door side	1500mm
20	Video Door phone	1400mm
21	Calling Bell Buzzer	2350mm
22	6/10/13A Unswitched Socket (Exhaust)	2100mm/As per the Ventilator level
23	6/10/13A Socket (Shaver)	1500mm
24	Foot Lamp	300mm
25	Mirror Light – Wash Basin	1950mm
26	Call bell switch	1500mm
27	HOB Point	500mm
28	25A A/C Socket	2200mm
29	ELV Junction Box	2000mm
30	STAIRCASE LIGHT POINT	2500mm FROM MIDLANDING LEVEL

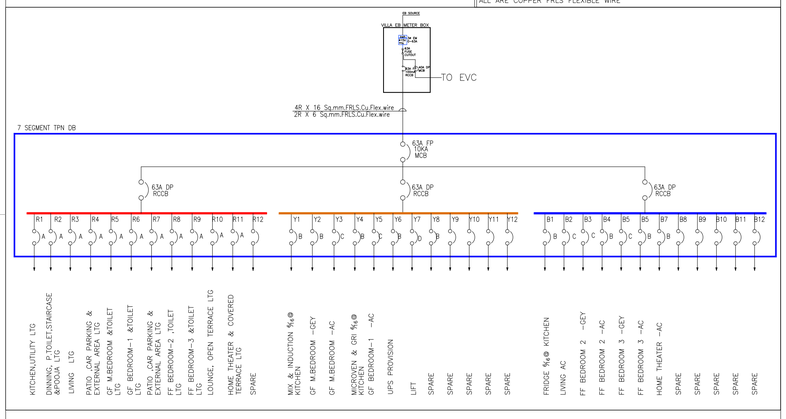
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MO	–	MICROWAVE OVEN
TV	–	TELEVISION
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JUI	–	JUICER

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	CEILING LIGHT
	WALL LIGHT
	BOLLARD LIGHT
	BULK HEAD LIGHT
	CHANDELIER LIGHT
	PROVISIONAL CEILING LIGHT
	FOOT LAMP
	6A SOCKET
	6/16A SOCKET WITH SWITCH
	6A SOCKET WITH SWITCH
	16A SOCKET FOR GEYSER
	25A SOCKET FOR A/c
	USB CHARGING PORT
	TELEPHONE OUTLET – RJ11
	DATA OUTLET– RJ45
	INTERCOM OUTLET
	TV OUTLET – RG6
	CEILING FAN 1200MM
	CEILING FAN 600MM
	WALL MOUNTED FAN
	EXHAUST FAN
	6A ONE WAY SWITCH
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	FAN SWITCH REGULATOR – STEPPED TYPE
	BELL PUSH
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	MIRROR LIGHT
	DISTRIBUTION BOARD DISTRIBUTION BOARD
	1/2 MODULE BOX
	3 MODULE BOX
	4 MODULE BOX
	6 MODULE BOX | 12 MODULE BOX
	8 MODULE BOX
	25 MM ø MAIN LIGHTING CONDUIT
	19 MM ø LIGHTING CONDUIT
	25 MM ø MAIN POWER CONDUIT
	19 MM ø POWER CONDUIT
	32 MM ø CONDUIT FROM EB METERING TO DB
	25 MM ø FLOOR CONDUIT
	19 MM ø CALLING BELL CONDUIT
	25 MM ø TV CONDUIT
	25 MM ø TELEPHONE CONDUIT
	19 MM ø CCTV CONDUIT
	CONDUIT DROP / RISER

WIRING SCHEDULE
A–10A MCB "B" CURVE 2R x 2.5SQ.MM & 1R x 1.5SQ.MM SECONDRY 3R x1SQ.MM FOR LIGHTING & 6A SMALL POWER SOCKETS
B–16A MCB "C" CURVE 2R x 2.5SQ.MM & 1R x 1.5SQ.MM FOR REFRIGERATOR, WASHING MACHINE, DRYER, DISH WASHER, MICROWAVE OVEN, GRINDER & GEYSER
C–25A MCB "C" CURVE 2R x 4SQ.MM & 1R x 2.5SQ.MM FOR A/C
D–40A MCB "D" CURVE 3R x 4sq.mm & 1R x 2.5SQ.MM FOR LIFT
40A MCB "D" CURVE 4R x 4sq.mm & 1R x 2.5SQ.MM FOR EVC
ALL ARE COPPER FRLS FLEXIBLE WIRE



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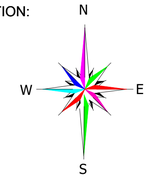
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DIRECTION:



REV.NO.	DATE	DESCRIPTION	APP. BY
R1	06.01.2023	ISSUED FOR GFC	R.G
R0	21.09.2022	ISSUED FOR TENDER	R.G

MEP CONSULTANTS:

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Mail : gobinath@optimalmep.com
Ph : 044-45096428

TITLE:

VILLA - 18 GROUND FLOOR ELE POINT & SWITCH CONTROL LAYOUT

PROJECT CODE :				PROJECT NAME :			
	NAME	SIGN	DATE	SCALE	SUBMITTED FOR		
PREP. BY	M.N		06.01.2023	1:100	APPROVAL	TENDER	GFC
CHKD. BY	S.S			A2			✓
APP. BY	R.G			PROJECT NO.	DWG. NO.		REV.
							R1



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