



**NOTES:**

- ALL DESIGNS ARE SOLE PROPERTY OF CREATIVE LINE ENGINEERING CONSULTANCY AND CANNOT BE USED WITHOUT THEIR WRITTEN PERMISSION.
- DO NOT SCALE DRAWINGS, ONLY WRITTEN DIMENSIONS ARE TO BE USED.
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS SPECIFIED OTHERWISE.
- ALL DIMENSIONS ARE TO BE SITE CHECKED AND VERIFIED PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR IS TO NOTIFY THE INTERIOR DESIGNER IN WRITING OF ANY DISCREPANCIES IMMEDIATELY AND OBTAIN NECESSARY CLARIFICATION.
- THE ID DRAWINGS ARE ISSUED FOR DESIGN INTENT AND WHERE REQUIRED BY OWNER, THE CONTRACTOR SHALL FABRICATE ACCORDINGLY INTO SHOP/FABRICATION DRAWINGS.
- EXCEPT FOR CODE REQUIRED LABELS, EQUIPMENT NAMEPLATE DATA OR OTHER SIMILAR LABELS CONTAINING MANUFACTURER'S NAME, ADDRESS, SERIAL NUMBER, CAPACITY AND OTHER RATING INFORMATION SECURELY ATTACHED TO EACH PIECE OF EQUIPMENT. THE INSTALLATION OF ANY ITEM, ELEMENT OR ASSEMBLY WHICH BEARS ON ANY EXPOSED SURFACE AND MAY BE REMOVED, WHICH IS INTENDED TO IDENTIFY THE MANUFACTURER, THE OWNER OR OTHER SOURCES FROM WHICH SUCH OBJECT HAS BEEN OBTAINED, IS PROHIBITED. ALSO FORBIDDEN IS THE INSTALLATION OF ANY ARTICLE WHICH COULD DAMAGE EVIDENCE AND PROVE A CRIME. IF ANY INSIGNIA HAS BEEN REMOVED, CONTRACTOR SHALL REMOVE AND REPLACE ANY SUCH ITEM AT CONTRACTOR'S SOLE COST AND IN MANNER WHICH DOES NOT INTERFERE WITH OWNER'S AND TENANTS' USE OF THE IMPROVEMENTS.

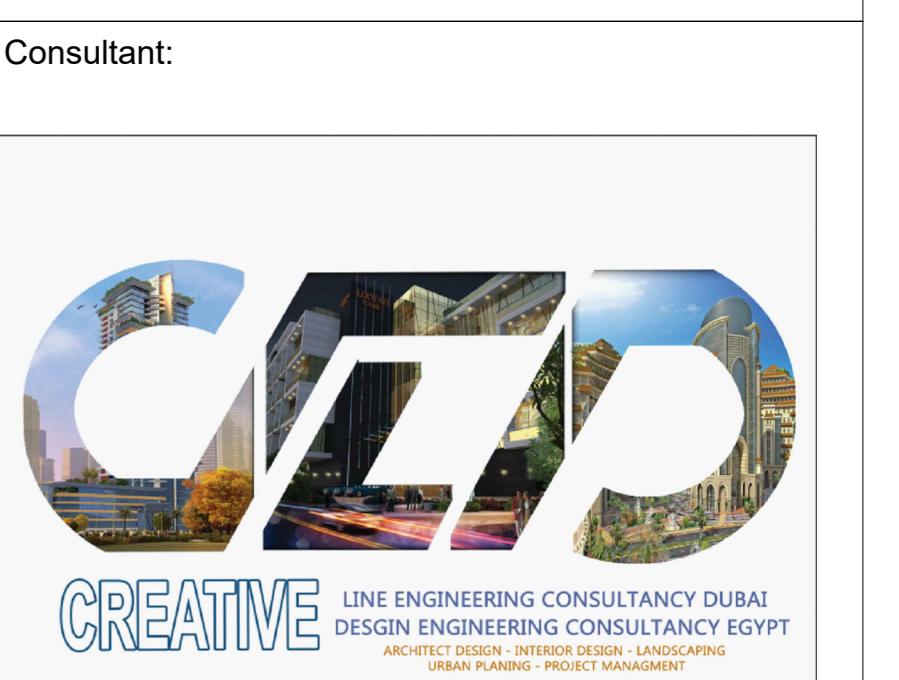
General Notes / Legends



[REDACTED]		
00	CT SUB.	20-07-23
REV NO	DESCRIPTION	DATE

THIS DRAWING FOR :  
 INFORMATION ONLY     TENDER  
 CLIENT APPROVAL     CONSTRUCTION  
 AUTHORITY APPROVAL     DETAILED DESIGN

**REVISED**



Client: MR. HASSAN KHALES SAKANDASTGIR

Project Title: RESIDENCE VILLA B+G+1+R

Location: Plot no: 3940198 AL THANYAH FOURTH

SLD - LOAD SCHEDULE

Architect eng :	NESMA HOSNI	Register No. :		
ELEC ENG	TAREK ZYADA	Register No. :		
Drawn By:	TAREK ZYADA	Checked By: AHMAD		
Scale:	Sheet Size:	Stage:	Date:	Revision No.:
1:100	A1	DD	14.09.2024	
Submission Month:	APRIL-2024			
Drawing Number:	SL-03			

**PROJECT: PROPOSED VILLA (B+ G+ 1)**

**DB NOS. : DB - GF**

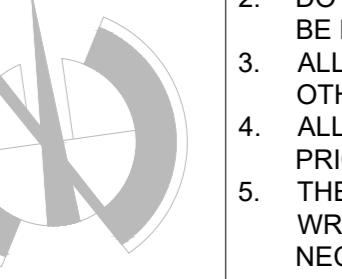
**FED FROM : SMDB -1**

**LOAD DISTRIBUTION SCHEDULE**

LOCATION : UNDER GROUND FLOOR

MOUNTING : FLUSH

RATING OF INCOMER	RATING OF ELCB	SEC.	SL.	CIRC.	RTG.	WIRE	WIRE	CONNECTED LOAD / POINTS												LOAD PER CIRCUIT WATT				REMARKS												
								MCB	CCT	ECC	LOCATION	EX-01	EX-02	OLED	SL	ML	TL	CO	LGT	CLOSET	DL	CHL	13A S/S	13A D/S	15A S/S	M	WASHING	MICROW	OPEN	COOKER	FCU	ISO	WATT/UNIT	R	Y	B
								AMP	mm <sup>2</sup>	mm <sup>2</sup>		10	10	10	15	50	50	10	10	100	200	200	400	1000	500	1200	1200	3000	200							
TPN ISOLATOR 40A	40A 4P 100mA	1	1	R1	10	3CX2.5	COMPOUND WALL	5	5	2																						30	130		ARMoured	
			2	Y1	10	3CX2.5	COMPOUND WALL	9																								30	90		ARMoured	
			3	B1	10	3CX2.5	COMPOUND WALL	14																								30	140		ARMoured	
			4	R2	10	3CX2.5	OUTSIDE			37																						10	370		ARMoured	
			5	Y2	10	3CX2.5	OUTSIDE			7																						10	70		ARMoured	
			6	B2	10		SPACE																									10	0			
	40A 4P 100mA	2	7	R3	10	2.5	2.5	PERGOLA	3		8			28																		430			RING	
			8	Y3				SPACE																								0				
			9	B3				SPACE																								0			RING	
			10	R4				SPACE																							0			RING		
			11	Y4				SPACE																								0			RONG	
			12	B4				SPACE																								0				
TPN ISOLATOR 40A	40A 4P 30mA	3	13	R5	32	4.0	4.0	COMPOUND WALL							5																200	1000		RING		
			14	Y5	20	4.0	4.0	MOTOR GATE 1																							1	500	500		MOTOR GATE 1	
			15	B5	20	4.0	4.0	MOTOR GATE 2																							1	500	500		MOTOR GATE 2	
			16	R6	32	4.0	4.0	PERGOLA							4															200	800		RING			
			17	Y6	20	4.0	4.0	PERGOLA												1									1200	1200		MICROWAVE				
			18	B6	32	6.0	6.0	PERGOLA													1								3000	3000		COOKER				
	40A 4P 30mA	4	19	R7	20	4.0	4.0	PERGOLA																						400			FLOOR BOX			
			20	Y7	20	4.0	4.0	WATER PUMP																						1	1600	1600		WATER PUMP		
			21	B7				SPACE																							0					
			22	R8	32	6.0	6.0	SUCTION PUMP																						1	4000	4000		SUCTION PUMP		
			23	Y8	20	4.0	4.0	SUB PUMP																						1	1000	1000		SUB PUMP		
			24	B8				SPACE					</td																							



## **PROJECT: PROPOSED VILLA (B+ G+ 1)**

**DB NOS.** : DB - UGF-L

## **FED FROM : SMDB -1**

# **LOAD DISTRIBUTION SCHEDULE**

**LOCATION : UNDER GROUND FLOOR**

# COUNTING : FLUSH

REA PLOT NO

**CABLE SIZE : 4C x 10mm<sup>2</sup> Cu./XLPE /SWA/PVC + 1C x 10mm<sup>2</sup> CU/PVC/ Y-G ECC**

LTG = Lighting, F/O = Flex Outlet for display unit, ISO = Isolator, FCU = Fan Coil Unit

FCU = Fan Coil Unit, W/H.=Water Heater, SS/O= Socket/Outlet, DS/O = Double socket/Outlet

nt:  
**MR. HASSAN KHALES  
SAKANDASTGIR**

ject Title:

# RESIDENCE VILLA B+G+1+R

Plot no: 3940198

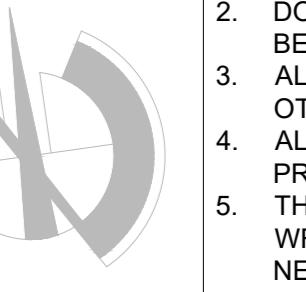
AI THANYAH FOURTH

## SLD LOAD SCHEDULE

wing title:

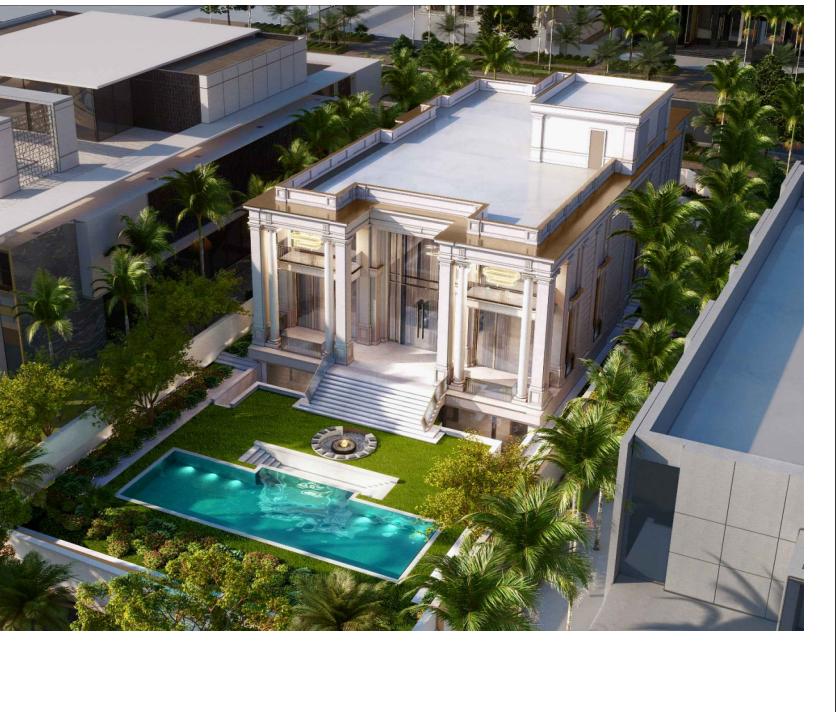
DB-LIGE-I

itect eng :	NESMA HOSNI	Register No. :	
C ENG	TAREK ZYADA	Register No. :	
n By:	TAREK ZYADA	Checked By:	AHMAD
e:	Sheet Size:	Stage:	Date:
1:100	A1	DD	14.09.2024
mission Month:	APRIL..-2024		
wing Number:			
SL-04			



DESIGNS ARE SOLE PROPERTY OF CREATIVE LINE  
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WRITTEN PERMISSION;  
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OTHERWISE;  
DIMENSIONS ARE TO BE SITE CHECKED AND VERIFIED  
BEFORE COMMENCEMENT;  
CONTRACTOR IS TO NOTIFY THE INTERIOR DESIGNER IN  
WRITING OF ANY DISCREPANCIES IMMEDIATELY AND OBTAIN  
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ACCORDINGLY INTO SHOP/FABRICATION DRAWINGS.  
EXCEPT FOR CODE REQUIRED LABELS, EQUIPMENT NAMEPLATE  
OR OTHER SIMILAR LABELS CONTAINING  
MANUFACTURER'S NAME, ADDRESS, MODEL NUMBER, CAPACITY  
OR OTHER RATING INFORMATION SECURELY ATTACHED TO  
EACH PIECE OF EQUIPMENT, THE INSTALLATION OF ANY ITEM,  
MENT OR ASSEMBLY, WHICH BEARS ON ANY EXPOSED  
FACE ANY NAME, TRADEMARK OR OTHER INSIGNIA WHICH IS  
INTENDED TO IDENTIFY THE MANUFACTURER, THE VENDOR OR  
OTHER SOURCES FROM WHICH SUCH OBJECT HAS BEEN  
OBTAINED, IS PROHIBITED. ALSO FORBIDDEN IS THE  
INSTALLATION OF ANY ARTICLE WHICH BEARS VISIBLE  
EVIDENCE THAT A NAME, TRADEMARK OR OTHER INSIGNIA HAS  
BEEN REMOVED. CONTRACTOR SHALL REMOVE AND REPLACE  
SUCH ITEM AT CONTRACTOR'S SOLE COST AND IN MANNER  
WHICH DOES NOT INTERFERE WITH OWNER'S AND TENANTS'  
OF THE IMPROVEMENTS.

## General Notes / Legends



	CT SUB.	20-07-23	IS
O	DESCRIPTION	DATE	CHECKED
DRAWING FOR :			
	INFORMATION ONLY	<input type="checkbox"/>	TENDER
	CLIENT APPROVAL	<input type="checkbox"/>	CONSTRUCTION
	AUTHORITY APPROVAL	<input checked="" type="checkbox"/>	DETAILED DESIGN

# **PROJECT: PROPOSED VILLA (B+ G+ 1)**

## **DB NOS. : DB - UGF-P**

## **FED FROM : SMD**

# **LOAD DISTRIBUTION SCHEDULE**

CATION : UNDER GROUND FLOOR

# UNTING : FLUSH

EA PLOT NO

# REVISED

consultant:



---

MR.HASSAN KHALES  
SAKANDASTGIR

Title: SIDENCF VII | A B+G+1+R

: Plot no: 3940198  
THANIAH FOURTH

## D. LOAD SCHEDULE

DB-UGF-P

eng :	NESMA HOSNI		Register No. :	
IG	TAREK ZYADA		Register No. :	
y:	TAREK ZYADA		Checked By:	AHMAD
	Sheet Size:	Stage:	Date:	Revision No:
:100	A1	DD	14.09.2024	
ision Month: APRIL.-2024				
Number:				
<b>SL-05</b>				

**NOTES:**

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- ALL DRAWINGS, PLANS AND SPECIFICATIONS ARE TO BE FOLLOWED EXACTLY;
- ALL DIMENSIONS ARE IN MILLIMETERS, UNLESS SPECIFIED OTHERWISE;
- ALL DIMENSIONS ARE TO BE SITE CHECKED AND VERIFIED PRIOR TO COMMENCEMENT;
- THE CONTRACTOR IS TO NOTIFY THE INTERIOR DESIGNER IN WRITING OF ANY DISCREPANCIES IMMEDIATELY AND OBTAIN NECESSARY CLARIFICATION;
- THE CONTRACTOR IS RESPONSIBLE FOR DESIGN INTENT AND WHERE REQUIRED ARE TO BE DEVELOPED BY THE CONTRACTOR ACCORDINGLY INTO SHOP/FABRICATION DRAWINGS;
- EXCEPT FOR CODE REQUIRED LABELS, EQUIPMENT NAMEPLATE DATA OR EQUIVALENT, THE CONTRACTOR SHALL NOT REMOVE MANUFACTURER'S NAME, ADDRESS, MODEL NUMBER, CAPACITY AND OTHER RATING INFORMATION SECURELY ATTACHED TO EACH PIECE OF EQUIPMENT. THE INSTALLATION OF ANY ITEM ELEMENT OR PART WHICH HAS BEEN REMOVED ON AN EXISTING SURFACE MUST BE IDENTIFIED WITH THE INSIGNIA WHICH IS INTENDED TO IDENTIFY THE MANUFACTURER, THE VENDOR OR OTHER SOURCES FROM WHICH SUCH OBJECT HAS BEEN OBTAINED. IF THE CONTRACTOR REMOVES ANY INSIGNIA, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT A NAME, TRADEMARK OR OTHER INSIGNIA HAS BEEN REMOVED. CONTRACTOR SHALL REMOVE AND REPLACE ANY SUCH ITEM AT CONTRACTOR'S SOLE COST AND IN MANNER WHICH DOES NOT INTERFERE WITH OWNER'S AND TENANTS' USE OF THE IMPROVEMENTS.

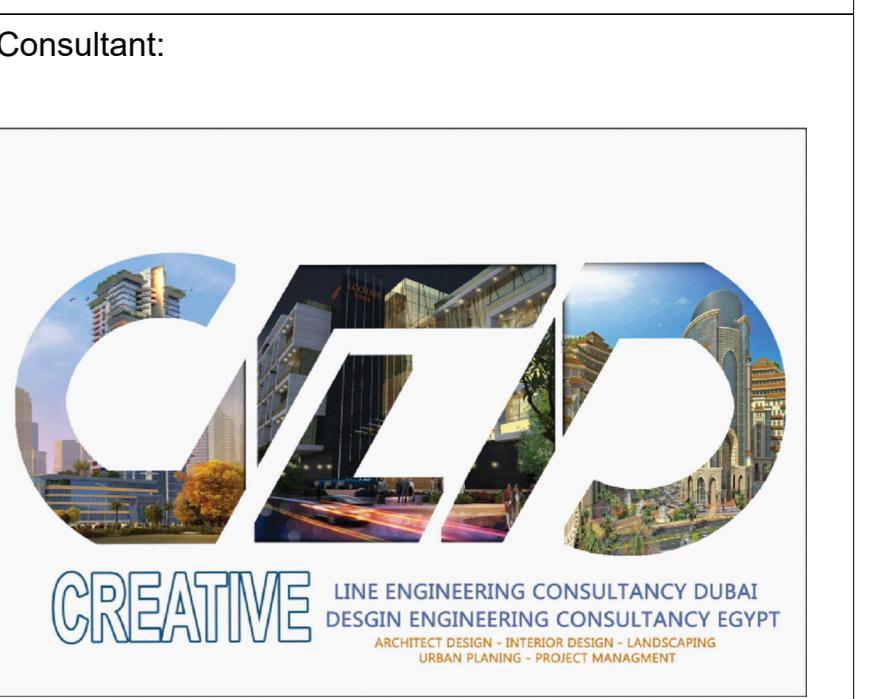
General Notes / Legends



00	CT SUB.	20-07-23	IS
REV NO	DESCRIPTION	DATE	CHECKED

This drawing for:  
 INFORMATION ONLY     TENDER  
 CLIENT APPROVAL     CONSTRUCTION  
 AUTHORITY APPROVAL     DETAILED DESIGN

## REVISED



Client: MR. HASSAN KHALES SAKANDASTGIR

Project Title: RESIDENCE VILLA B+G+1+R

Location: Plot no: 3940198  
AL THANYAH FOURTH

SLD - LOAD SCHEDULE

Drawing title:

DB-G-L

Architect eng :	NESMA HOSNI	Register No. :	
ELEC ENG	TAREK ZYADA	Register No. :	
Drawn By:	TAREK ZYADA	Checked By:	AHMAD
Scale:	Sheet Size:	Stage:	Date:
1:100	A1	DD	14.09.2024
Submission Month:	APRIL - 2024		
Drawing Number:	SL-06		

PROJECT: PROPOSED VILLA (B+ G+ 1)

DB NOS. : DB - GF-L

FED FROM : SMDB - 1

## LOAD DISTRIBUTION SCHEDULE

LOCATION :												GROUND FLOOR																
MOUNTING :												FLUSH																
AREA												PLOT NO																
<b>CONNECTED LOAD / POINTS</b>																												
LOCATION												LOAD PER CIRCUIT WATT												REMARKS				
RATING OF INCOMER	RATING OF ELCB	SEC. No.	SL. No.	CIRC No.	RTG. IN	CCT SIZE	ECC SIZE	LOCATION	EX:01	EX:02	OILED	SL.	ML.	TL.	CO	LGT	CLOSET	DL.	CHL.	T6L.	13A/S	13A/DS	15A/S/S	ISO	WATT/UNIT	R	Y	B
10												10																
10												15																
50												50																
10												10																
100												200																
400												400																
1000												500																
1200												1200																
1200												3000																
200												200																
TOTAL												3390																
TOTAL												3.390																
TOTAL CONNECTED LOAD IN kW												4730																
TOTAL CONNECTED LOAD IN kW												4.730																
CABLE SIZE : 4C x 10mm <sup>2</sup> Cu./XLPE /SWA/PVC + 1C x 10mm <sup>2</sup> CU/PVC/ Y-G ECC.												LG = Lighting,F/O = Flex Outlet for display unit, ISO = Isolator, FCU = Fan Coil Unit																
FCU = Fan Coil Unit, W/H.=Water Heater, SS/O= Socket/Outlet, DS/O = Double socket/Outlet																												



S:

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2. NOT SCALE DRAWINGS, ONLY WRITTEN DIMENSIONS ARE TO  
BE FOLLOWED;

3. DIMENSIONS ARE IN MILLIMETERS, UNLESS SPECIFIED  
OTHERWISE;

4. DIMENSIONS ARE TO BE SITE CHECKED AND VERIFIED  
BEFORE COMMENCEMENT;

5. THE CONTRACTOR IS TO NOTIFY THE INTERIOR DESIGNER IN  
WRITING OF ANY DISCREPANCIES IMMEDIATELY AND OBTAIN  
NECESSARY CLARIFICATION;

6. DESIGN DRAWINGS ARE ISSUED FOR DESIGN INTENT AND WHERE  
SPECIFIED ARE TO BE DEVELOPED BY THE CONTRACTOR  
ACCORDINGLY INTO SHOP/FABRICATION DRAWINGS.

7. EXCEPT FOR CODE REQUIRED LABELS, EQUIPMENT NAMEPLATE  
DATA OR OTHER SIMILAR LABELS CONTAINING  
MANUFACTURER'S NAME, ADDRESS, MODEL NUMBER, CAPACITY  
AND OTHER RATING INFORMATION SECURELY ATTACHED TO  
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ASSEMBLY OR ASSEMBLY, WHICH BEARS ON ANY EXPOSED  
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EVIDENCE THAT A NAME, TRADEMARK OR OTHER INSIGNIA HAS  
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SUCH ITEM AT CONTRACTOR'S SOLE COST AND IN MANNER  
WHICH DOES NOT INTERFERE WITH OWNER'S AND TENANTS'  
USE OF THE IMPROVEMENTS.

## General Notes / Legends



NO	DESCRIPTION	DATE	IS CHECKED
	CT SUB.	20-07-23	
DRAWING FOR :			
INFORMATION ONLY		<input type="checkbox"/>	TENDER
CLIENT APPROVAL		<input type="checkbox"/>	CONSTRUCTION
AUTHORITY APPROVAL		<input checked="" type="checkbox"/>	DETAILED DESIGN

# **LOAD DISTRIBUTION SCHEDULE**

# **PROJECT: PROPOSED VILLA (B+ G+ 1)**

**DB NOS. : DB - GF**  
**FED FROM : SMDB -1**

**LOCATION : GROUND FLOOR**

MOUNTING : FLUSH  
AREA PLOT NO

RATING OF INCOMER	RATING OF ELCB	SEC.	SL.	CIRC	MCB	CCT	ECC	CONNECTED LOAD / POINTS												LOAD PER CIRCUIT WATT			REMARKS																			
					RTG.	WIRE	WIRE	LOCATION	EX-01	EX-02	O1LED	CO	ML	TL	SL	DL	CHL	TGL	LG/T	CLOSET	MICROWAVE	WASHING M	DISH WASHER	15A S/S	13A/D/S	13A/S/S	OVEN	COOKER	SHAVER	ISO	FCU	WATT/UNIT	R	Y	B							
					No.	No.	No.																																			
TPN ISOLATOR 63A	40A 4P 30mA	1	1	R1	32	4.0	4.0	OFFICE																					200	800			RING									
			2	Y1	32	4.0	4.0	GUEST BEDROOM																					200/400		1200		RING									
			3	B1	20	4.0	4.0	STAIR HALL																					200/400			600										
			4	R2	32	4.0	4.0	OFFICE																					200/400	1000			RING									
			5	Y2	32	4.0	4.0	SHOW KITCHEN																					200/400		1000		RING									
			6	B2	32	4.0	4.0	LIVING AREA																					200/400		1000		RING									
	40A 4P 30mA	2	7	R3	32	4.0	4.0	MAIN ENTRANCE																					200	800			RING									
			8	Y3	32	4.0	4.0	SITTING AREA																					200/400		1200		RING									
			9	B3	32	4.0	4.0	LIVING AREA																					400			800	RING ( FLOOR BOX )									
			10	R4	20	4.0	4.0	KITCHEN STORE																					200/400	600												
			11	Y4				SPACE																						0												
			12	B4	32	6.0	6.0	SHOW KITCHEN																				3000		3000		COOKER										
	40A 4P 30mA	3	13	R5	32	4.0	4.0	KITCHEN											6									200	1200			RING										
			14	Y5	20	4.0	4.0	KITCHEN																				1200		1200		MICROWAVE										
			15	B5	20	4.0	4.0	KITCHEN																				500		500		DISH WASHER										
			16	R6	32	4.0	4.0	DINNING ROOM											3	1								200/400	1000			RING										
			17	Y6	32	6.0	6.0	KITCHEN																				3000		3000		COOKER										
			18	B6				SPACE																					0													
	40A 4P 30mA	4	19	R7	20	4.0	4.0	KICHEN																				1200	1200			OVEN										
			20	Y7				SPACE																					0													
			21	B7				SPACE																					0													
			25	R8	20	4.0	4.0	OFFICE BATH																				200	200			SHAVER										
			26	Y8	20	4.0	4.0	GUEST BATH																				200		200		SHAVER										
			27	B8	20	4.0	4.0	POWDERR ROOM																				200		200		SHAVER										
TOTAL																																						6800	7800	6100		
TOTAL CONNECTED LOAD IN kW																																					20.700					

LTG = Lighting, F/O = Flex Outlet for display unit, ISO = Isolator, FCU = Fan Coil Unit

CABLE SIZE : 4C x 16mm<sup>2</sup> Cu./XLPE /SWA/PVC + 1C x 16mm<sup>2</sup> CU/PVC/ Y-G ECC.

FCU = Fan Coil Unit, W/H.=Water Heater, SS/O= Socket/Outlet, DS/O = Double socket/Outlet

## REVISED

### **Consultant:**



**MR.HASSAN KHALES  
SAKANDASTCİR**

: Title: RESIDENCE VII | A B+G+1+R

on:  
**Plot no: 3940198**

## B. LOAD SCHEDULE

DB-G-P

Client eng :	NESMA HOSNI		Register No. :	
Designing	TAREK ZYADA		Register No. :	
Checked By:	TAREK ZYADA		Checked By:	AHMAD
	Sheet Size:	Stage:	Date:	Revision No:
1:100	A1	DD	14.09.2024	
Drawing Month: APRIL.-2024				
Drawing Number: SL-07				

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**PROJECT: PROPOSED VILLA (B+ G+ 1)**
**DB NOS. : DB - F-L**  
**FED FROM : SMDB -1**
**LOAD DISTRIBUTION SCHEDULE**
**LOCATION : FIRST FLOOR**
**MOUNTING : FLUSH**  
**AREA**
**PLOT NO**

RATING OF INCOMER	RATING OF ELCB	SEC. No.	CIRC No.	RTG. IN	CCT SIZE	ECC SIZE	LOCATION	CONNECTED LOAD / POINTS														LOAD PER CIRCUIT WATT				REMARKS							
								EX-01	OIL	LED	SL	ML	TL	CO	CLOSET	DL	CHL	T6L	3A/S	3A/D/S	15A/S	WASHNG	MICROW	OVEN	COOKER	SHAVR	FCU	ISO	WATT/UNIT	R	Y	B	
								10	10	15	50	50	10	10	100	200	60	200	400	1000	500	1200	1200	3000	200								
<b>40A 4P 100mA</b>	<b>1</b>	1	R1	10	2.5	2.5	BEDROOM 1		2		12			18		1												480					
		2	Y1	10	2.5	2.5	BEDROOM 2		2		12			22		1													520				
		3	B1	10	2.5	2.5	BEDROOM 3		2		12			28		1													580				
		4	R2	10	2.5	2.5	CLOSET 1 + BATH 1			8	3	1		16	11	1												545					
		5	Y2	10	2.5	2.5	CLOSET 2 + BATH 2				3	1		12	5	1												365					
		6	B2	10	2.5	2.5	CLOSET 3 + BATH 3			8	7	1		14	10	1												575					
<b>40A 4P 100mA</b>	<b>2</b>	7	R3	10	2.5	2.5	BEDROOM 4		2		12			24		1												540					
		8	Y3	10	2.5	2.5	MASTER BEDROOM		2		8			28		1												520					
		9	B3	10	2.5	2.5	MAIN ENTRANCE				8			10													220						
		10	R4	10	2.5	2.5	CLOSET 4 + BATH 4			5	6	1		8	6	1											430						
		11	Y4	10	2.5	2.5	MASTER CLOSET + BATH + SAFE BOX			23	2		25	21	2												1105						
		12	B4	10	2.5	2.5	MAIN ENTRANCE																				200						
<b>40A 4P 100mA</b>	<b>3</b>	13	R5	10	2.5	2.5	VOID - MAIN ENTRANCE			12			18														360						
		14	Y5	10	2.5	2.5	STAIR HALL																				200						
		15	B5	10	2.5	2.5	STAIR HALL VOID																				200						
		16	R6	10	2.5	2.5	VOID - MAIN ENTRANCE																				200						
		17	Y6	10	2.5	2.5	STAIR HALL			12			22														400						
		18	B6	10	2.5	2.5	STAIR		44	3																	485						
<b>40A 4P 100mA</b>	<b>4</b>	19	R7	10	2.5	2.5	PANTRY + LAUNDRY																				480						
		20	Y7	10	2.5	2.5	PRIVATE HALL			8			14		1												360						
		21	B7	10	2.5	2.5	BACK ENTRANCE			8																	120						
		22	R8	10	2.5	2.5	ROOF	16						18													160						
		23	Y8	10	2.5	2.5	SERVICE ROOM																				900						
		24	B8	10	2.5	2.5	BACK ENTRANCE							16		1											360						
<b>40A 4P 100mA</b>	<b>5</b>	25	R9	10	2.5	2.5	ROOF ( STORE )			5																250							
		26	Y9				SPACE																			0							
		27	B9				SPACE																			0							
		31	R10	20	4.0	4.0	BEDROOM 1																			1	200	200					
		32	Y10	20	4.0	4.0	BEDROOM 2																			1	200	200					
		33	B10	20	4.0	4.0	STAIR HALL																			1	200	200					
<b>40A 4P 100mA</b>	<b>6</b>	34	R11	20	4.0	4.0	PRIVATE HALL					</td																					

**NOTES:**

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General Notes / Legends



PROJECT: PROPOSED VILLA (B+ G+ 1)

DB NOS. : DB - F-L  
FED FROM : SMDB - 1

### LOAD DISTRIBUTION SCHEDULE

LOCATION : FIRST FLOOR

MOUNTING : FLUSH  
AREA  
PLOT NO

RATING OF INCOMER	RATING OF ELCB	SEC. No.	SL. No.	CIRC. IN	RTG. SIZE	MCB CCT WIRE	CCT WIRE	LOCATION	CONNECTED LOAD / POINTS												LOAD PER CIRCUIT WATT				REMARKS											
									EX-01	O LED	SL	ML	TL	CO	CLOSET	DL	CH	TEL	13A SS	13A DS	15A SS	WASHING	MICROW	OPEN	COOKER	SHAVER	FCU	ISO	WATT/UNIT	R	Y	B				
TPN ISOLATOR 40A	40A 4P 30mA	1	1	R1	32	4.0	4.0	BEDROOM 1											4	1								1200				RING				
			2	Y1	32	4.0	4.0	BEDROOM 2											4	1								1200				RING				
			3	B1	32	4.0	4.0	BEDROOM 3											4	1								1200				RING				
			4	R2	20	4.0	4.0	CLOSET 1											3									600								
			5	Y2	20	4.0	4.0	CLOSET 2											2									400								
			6	B2	32	4.0	4.0	BEDROOM 3 + CLOSET 3											2	1								800				RING				
	40A 4P 30mA	2	7	R3	32	4.0	4.0	BEDROOM 4											4									800				RING				
			8	Y3	32	6.0	6.0	MASTER BEDROOM											6									1200				RING				
			9	B3	32	4.0	4.0	STAIR HALL											2									800				( FLOOR BOX )				
			10	R4	32	4.0	4.0	BEDROOM 4 + CLOSET											3	1								1000				RING				
			11	Y4	32	4.0	4.0	MASTER BEDROOM + CLOSET											4	1								1200				RING				
			12	B4				SPACE																				0								
	40A 4P 30mA	3	13	R5	32	4.0	4.0	PANTRY											5									1000				RING				
			14	Y5	32	4.0	4.0	SAFE BOX											2	1								800				RING				
			15	B5	32	6.0	6.0	PANTRY												1								3000				COOKER				
			16	R6	20	4.0	4.0	PANTRY												1								1200				MICROWAVE				
			17	Y6	32	4.0	4.0	STAIR HALL											3	1								1000				RING				
			18	B6	32	4.0	4.0	ROOF											5									1000				RING				
	40A 4P 30mA	4	19	R7	20	4.0	4.0	BEDROOM 1												1								200				SHAVER				
			20	Y7	20	4.0	4.0	BEDROOM 2												1								200				SHAVER				
			21	B7	20	4.0	4.0	BEDROOM 3												1								200				SHAVER				
			22	R8	20	4.0	4.0	BEDROOM 4												1								200				SHAVER				
			23	Y8	20	4.0	4.0	BEDROOM 5												1								200				SHAVER				
			24	B8																							0									
												<b>TOTAL</b>		<b>6200</b>	<b>6200</b>	<b>7000</b>																				
												<b>6.200</b>		<b>6.200</b>	<b>7.000</b>																					
												<b>TOTAL CONNECTED LOAD IN kW</b>																		<b>19.400</b>						
CABLE SIZE : 4C x 10mm <sup>2</sup> Cu./XLPE /SWA/PVC + 1C x 10mm <sup>2</sup> CU/PVC/ Y-G ECC.												LTG = Lighting,F/O = Flex Outlet for display unit, ISO = Isolator, FCU = Fan Coil Unit FCU = Fan Coil Unit, W/H.=Water Heater, SS/O= Socket/Outlet, DS/O = Double socket/Outlet																								

DB-F-P

Architect eng.: NESMA HOSNI Register No.:  
ELEC ENG: TAREK ZYADA Register No.:  
Drawn By: TAREK ZYADA Checked By: AHMAD  
Scale: Sheet Size: Stage: Date: Revision No:  
1:100 A1 DD 14.09.2024  
Submission Month: APRIL -2024  
Drawing Number: SL-09

Location: Plot no: 3940198  
AL THANYAH FOURTH

SLD - LOAD SCHEDULE

Drawing title:

**REVISED**

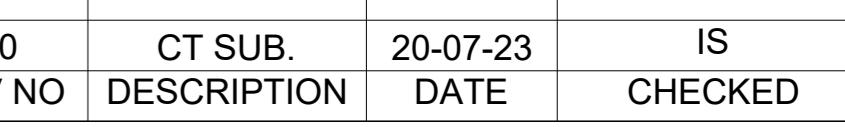
Lead Consultant:  
<img alt="Creative Line Engineering Consultancy Dubai logo" data



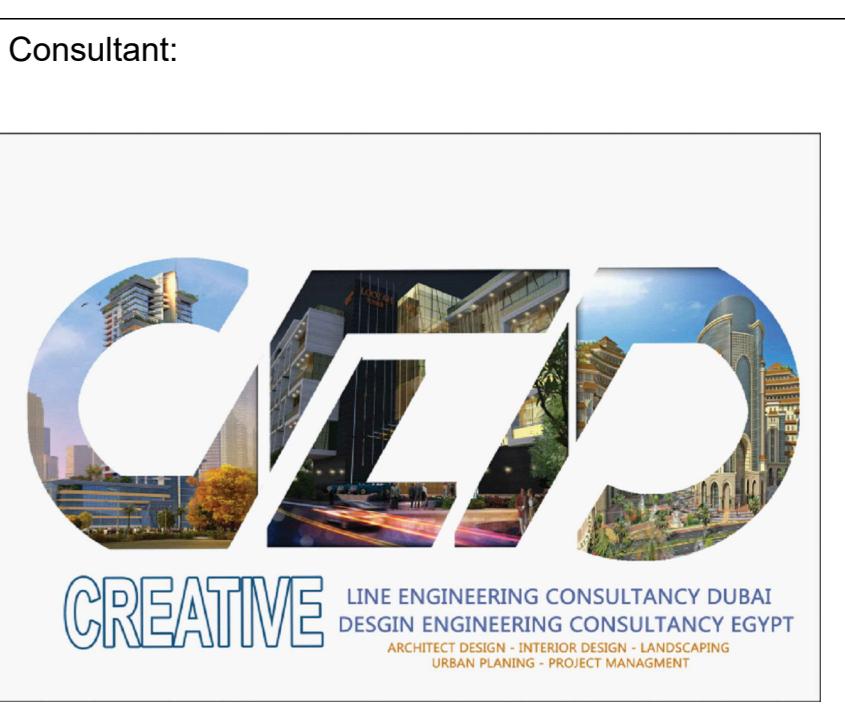
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General Notes / Legends

00 CT SUB. 20-07-23 IS  
REV NO DESCRIPTION DATE CHECKEDTHIS DRAWING FOR :  
 INFORMATION ONLY  TENDER  
 CLIENT APPROVAL  CONSTRUCTION  
 AUTHORITY APPROVAL  DETAILED DESIGN

REVISED



Client: MR. HASSAN KHALES SAKANDASTGIR

Project Title: RESIDENCE VILLA B+G+1+R

Location: Plot no: 3940198

AL THANYAH FOURTH

SLD - LOAD SCHEDULE

Drawing title:

SMDB-RF

Architect eng :	NESMA HOSNI	Register No. :
ELEC ENG	TAREK ZYADA	Register No. :
Drawn By:	TAREK ZYADA	Checked By: AHMAD
Scale:	Sheet Size: A1	Date: 14.09.2024
1:100	DD	Revision No:
Submission Month:	APRIL -2024	
Drawing Number:	SL-10	

PROJECT: PROPOSED RESIDENCE VILLA B+G+1+R				DETAILS OF CONNECTED LOAD/MAX. DEMAND								LOCATION : ROOF							
				OWNER : MR.HASSAN KHALES SAKANDASTGIR								AREA : AL THANYAH FOURTH							
SMDB-R				CONSULTANT:								PLOT NO : 3940198							
FED FROM : SEWA	CIRCUIT / FEEDER	TP/ SP	RATING - AMPS			FAULT DUTY kA	PVC / XLPE	CABLE SIZE		ECC SIZE	CONNECTED LOAD - Kw				PROPOSED TYPE & NO. OF Kwh METERS				
			F/S ISO	MCCB ACB	MCB		SWA / PVC	2 / 4 X 1C MM <sup>2</sup>	2 / 3 / 4C MM <sup>2</sup>		R - PH kW	Y - PH kW	B - PH kW	TOTAL kW	1 - PH (1)	3 - PH (2)	3 - PH (3)	LV/HV CT (4)	
	INCOMER	TP		200		35	XLPE		4CX95	<b>1CX50</b>	24.333	26.333	28.733	79.400					
	OUT GOING :																		
1	FAHU	TP		63		25	XLPE		4CX16	1CX16	6.000	6.000	6.000	18.000				100mA ELCB	
2	ODU - 1	TP		63		25	XLPE		4CX16	1CX16	3.333	3.333	3.333	10.000				100mA ELCB	
3	VRV 1A	TP		40		25	XLPE		4CX10	1CX10	2.500	2.500	2.500	7.500				100mA ELCB	
4	VRV 1B	TP		40		25	XLPE		4CX10	1CX10	2.500	2.500	2.500	7.500				300mA ELCB	
5	VRV G-A	TP		40		25	XLPE		4CX10	1CX10	2.500	2.500	2.500	7.500				100mA ELCB	
6	VRV G-B	TP		40		25	XLPE		4CX10	1CX10	2.500	2.500	2.500	7.500				30mA ELCB	
7	VRV B-A	TP		40		25	XLPE		4CX10	1CX10	2.500	2.500	2.500	7.500				30mA ELCB	
8	VRV B-B	TP		40		25	XLPE		4CX10	1CX10	2.500	2.500	2.500	7.500				100mA ELCB	
9	SOLAR HEATER 1	SP		40		25	XLPE		2CX6	1CX6				2.000	2.000			100mA ELCB	
10	SOLAR HEATER 2	SP		40		25	XLPE		2CX6	1CX6		2.000		2.000				100mA ELCB	
11	CIRCULATION PUMP	SP		40		25	XLPE		2CX4	1CX4				0.200	0.200			100mA ELCB	
12	TRANSFEER PUMP	SP		40		25	XLPE		2CX6	1CX6				2.200	2.200		1	TOTAL	
TOTAL CONNECTION LOAD PER PHASE												24.333	26.333	28.733	79.400				
MAX.DEMAND (3PH) : 67.5 kW AT 0.850 DIVERSITY								TOTAL CONNECTED LOAD (3PH) : 79.400 kW								= 99.250 kVA			
CONTRACTOR :.....								TEL: .....								FAX: .....			
Type of Meter (Rating of Incomer)								(2) UP to 100 A (3) 125 - 160 A				(4) LV CT ...../ .....A / HV CT ...../ .....A							
(2) UP to 60 A (1 Phase)																			



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General Notes / Legends



PROJECT: PROPOSED RESIDENCE VILLA B+G+1+R																			
PROJECT NO: 3940198					DETAILS OF CONNECTED LOAD / MAX. DEMAND						AREA :AL THANYAH FOURTH, DUBAI								
OWNER : MR.HASSAN KHALES SAKANDASTGIR																			
FED FROM : DEWA										LOCATION OF MDB: SERVICE ROOM									
CIRCUIT			RATING AMPS		FAULT DUTY	PVC	CABLE SIZE		ECC	CONNECTED LOAD KWH		T.C.L OF	PROPOSED KWH METER						
FEEDER	SP	TP	F/S ISOI	MCCB		ELCB	XLPE	2/4X1C	2/3/4C	SIZE	R.PH	Y.PH	B.PH	EACH DB	1. 1PH	2. 3PH	3. 3PH	4. CT	REMARKS
INCOMER		TP		400		35kA	XLPE		4C X300	1C 150	75.13	74.17	75.81	225.10				1	400/5A CT
OUTGOING																			
DB-EXT	TP		40		25kA	XLPE/SWA/PVC	4C 10	1C 10	7.13	4.46	3.64	15.23							
DB-UGF-L	TP		40		25kA	XLPE/SWA/PVC	4C 10	1C 10	3.40	1.66	2.73	7.79							
DB-UGF-P	TP		63		25KA	XLPE/SWA/PVC	4C 16	1C 16	8.83	8.83	8.73	26.40							
DB-G-L	TP		40		25KA	XLPE/SWA/PVC	4C 10	1C 10	3.39	2.91	4.73	11.03							
DB-G-P	TP		63		25KA	XLPE/SWA/PVC	4C 16	1C 16	6.80	7.80	6.10	20.70							
DB-F-L	TP		40		25KA	XLPE/SWA/PVC	4C 10	1C 10	4.05	4.97	3.14	12.16							
DB-F-P	TP		40		25KA	XLPE/SWA/PVC	4C 10	4C 10	6.20	6.20	7.00	19.40							
SMDB-RF	TP		250		25KA	XLPE/SWA/PVC	4C 150	1C 70	24.33	26.33	28.73	79.40							
SWIMMING POOL PANEL	TP		63		25KA	XLPE/SWA/PVC	4C 16	1C 16	5.00	5.00	5.00	15.00						100mA ELCB	
LIFT	TP		40		25KA	XLPE/SWA/PVC	4C 10	1C 10	2.00	2.00	2.00	6.00						300mA ELCB	
CAR CHARGER 1	TP		40		25KA	XLPE/SWA/PVC	4C 10	1C 10	2.00	2.00	2.00	6.00						100mA ELCB	
CAR CHARGER 2	TP		40		25KA	XLPE/SWA/PVC	4C 10	4C 10	2.00	2.00	2.00	6.00						100mA ELCB	
										75.13	74.17	75.81	225.10						
MAX DEMAND (3PH)			202.59	kW	90% DIVERSITY	TOTAL CONNECTED LOAD (3PH) :				225.10	kW								
PROVIDED CT - METER WHEN MAX. DEMAND >100kW																			
										(1) 20-80A	(2) 30-90/120A	(3) 100-200A	(4).../....A						

MDB

Architect eng :	NESMA HOSNI	Register No. :	
ELEC ENG	TAREK ZYADA	Register No. :	
Drawn By:	TAREK ZYADA	Checked By:	AHMAD
Scale:	Sheet Size:	Stage:	Date:
1:100	A1	DD	Revision No:
Submission Month: APRIL-2024			
Drawing Number:			
SL-11			