



CLIENT:

ADDRESS:

Little Manor, Barnet Lane, Elstree
B6 3QU

CONFIDENTIALITY STATEMENT:

ALL DRAWINGS AND WRITTEN MATERIALS

APPEARING HEREIN CONSTITUTE THE

ORIGINAL AND UNPUBLISHED WORK OF THE

DESIGNER AND THE SAME MAY NOT BE

DUPLICATED, USED OR DISCLOSED WITHOUT

CONSENT OF THE DESIGNER.

NOTES:

1. ALL DIMENSIONS HEREIN ARE IN METRIC UNITS
UNLESS STATED OTHERWISE.

2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGNER, ENGINEER OR SPECIALIST DRAWINGS AND SPECIFICATIONS.

3. THE CONTRACTOR MUST CHECK ALL DIMENSION AT SITE BEFORE COMMENCING WORK.

4. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY SUPPORT TO THE BUILDING AND ANY ADJACENT STRUCTURES.

[illegible]

PROJECT:

Multi Floor House

TITLE:

ELECTRICAL LOAD

SCHEDULE 8. SLD

PROJ.	
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PROJ. ENGR.

SCALE @ 24X36

N/A

DATE :

August 28, 2026

DRAWING NO.

REV

MAIN PANEL																			
Panel Location- Voltage (Phase-Ground/Phase-Phase)				230	400	Source of Supply-From Service Disconnect/Meter													
Phase- 1						Wire- 3													
Rated Amps- 125						A/C- 10k													
MCCB 125 Amps MCCB						Mounting- Wall Surface													
Circuit	Description	New/ Existing	Load Type	Breaker Size	Poles	Wire Size	A	B	C	Wire Size	Poles	Breaker Size	Load Type	New/ Existing	Description	Circuit			
1	ALL LOADS	N	SPD	125	3	35	16634	16634			35	3	125	RCD	N	ALL LOADS	2		
3								15084	15084		35						4		
5									14334	14334	35						6		
7	PANEL A (1st Floor)	N	MCB, Type-B	25	1	2.5	1400	900			2.5	1	25	MCB, Type-B	N	PANEL B (2nd Floor)	8		
9	HVAC HTM-1	N	MCB, Type-B	35	3	6			7334	750		2.5	1	20	MCB, Type-B	N	Water Booster Pump	10	
11									7334	0	--	--	--	--	--	SPARE	12		
13									6	7334	0			--	--	--	--	SPARE	14
15	HVAC HTM-2	N	MCB, Type-B	35	3	6			7000	0		--	--	--	--	SPARE	16		
17									6			7000	0	--	--	--	--	SPARE	18
19									6	7000	0			--	--	--	--	SPARE	20
Connected Load (W)							A	B	C	Total									
							16634	15084	14334	7052									
Connected Amps																			
Main Type and Amps Rating							125 Amps MCCB												
Demand Load Calculation																			
Load Classification		Connected Load	Demand Factor	Estimated Demand															
Lighting - Commercial Unit		1530	125%	1912.5															
Combine Water Heater		0	100%	0															
Receptacle		770	65%	500.5															
Cooling		43002	100%	43002															
Pump		750	125%	937.5															
Other		0	100%	0															
Demand Load		46052		46352.5															
Demand Amps				67.17753623															

230/400V THREE PHASE 5WIRE 125 A SERVICE

ELECTRICAL METER

125A MCCB MAIN SWITCH

125A SPD

125A RCD

BUS

25A MCCB 1-φ

35A MCCB 3-φ

20A MCCB 1-φ

35A MCCB 3-φ

25A MCCB 1-φ

HVAC -1

BUSTER PUMP

HVAC -2

Panel A

Panel B

TO CONNECTED LOAD

TO CONNECTED LOAD



Designed By Engr. Al Amin (MEP Engineer | Director - Engineer's Team LTD)

 support@engrteam.com

 <https://engrteam.com>

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