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2. THESE DRAWINGS ARE TO BE READ IN
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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.

REFERENCE:

REV. NO.	DESCRIPTION	DATE	BY

PROJECT:

HEALTH CARE

TITLE: **ELECTRICAL LOAD
SCHEDULE & SLD**

PROJ. NO.	PROJ. ENGR.	SCALE @ 24X36: N/A
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DATE :
August 28, 2026

DRAWING NO. E - 1 5	REV.
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GF PANEL															
Panel Location- Voltage (Phase-Ground/Phase-Phase)		230	400	Source of Supply-From Service Disconnect/Meter											
Phase-1				Wire-3											
Rated Amps-60				AIC-10k											
MCCB 60 Amps MCCB Type-B				Mounting- Wall Surface											
Circuit	Description	New/ Existing	Load Type	Breaker Size	Poles	Wire Size	A		Wire Size	Poles	Breaker Size	Load Type	New/ Existing	Description	Circuit
1	LIGHTING LOAD	N	MCB, Type-B	15	1	1.5	1825	900	2.5	1	20	MCB, Type-B	N	CB-02 CP	2
3	CB-01 CP	N	MCB, Type-B	20	1	2.5	2300	600	2.5	1	20	MCB, Type-B	N	CB-04 NP	4
5	CB-03 CP	N	MCB, Type-B	20	1	2.5	600	600	2.5	1	20	MCB, Type-B	N	CB-06 NP	6
7	CB-05 CP	N	MCB, Type-B	20	1	2.5	2500	1000	2.5	1	20	MCB, Type-B	N	CB-08 NP	8
9	CB-07 NP	N	MCB, Type-B	20	1	2.5	1200	250	2.5	1	20	MCB, Type-B	N	CB-LASER CP	10
11	CB-09 NP	N	MCB, Type-B	20	1	2.5	600	--	--	--	--	--	--	SPARE	12
13	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	SPARE	14
15	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	SPARE	16
17	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	SPARE	18
19	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	SPARE	20
							A								
							Connected Load (W)		12375						
							Connected Amps		53.80						
							Main Type and Amps Rating		60 Amps MCCB Type-B						

Demand Load Calculation			
Load Classification	Connected Load	Demand Factor	Estimated Demand
Lighting - Dwelling Unit	1825	125%	2281.25
Water Heater - Dwelling Unit	0	100%	0
Receptacle	10550	65%	6857.5
Cooling	0	100%	0
Pump	0	125%	0
Other	0	100%	0
Demand Load	12375		9138.75
Demand Amps			39.73369565

MAIN PANEL																			
Panel Location- Voltage (Phase-Ground/Phase-Phase)		230	400	Source of Supply-From Service Disconnect/Meter															
Phase-1 Rated Amps-170				Wire-3 AIC-10k															
MCCB 170 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	170	3	50	48509	48509			50	3	170	RCD	N	ALL LOADS	2		
3						50			32134	32134								50	4
5						50					37034						37034	50	6
7	GF PANEL	N	MCB, Type-B	60	1	16	12375	15300			16	1	70	MCB, Type-B	N	B PANEL	8		
9	HVAC HTM-1 NP	N	MCB, Type-B	50	1	10			11300	13334	16	3	60	MCB, Type-B	N	WATER HEATER NP	10		
11	HVAC HTM-2 NP	N	MCB, Type-B	75	1	16					16200						13334	16	12
13	LIFT NP	N	MCB, Type-B	35	3	4	7500	13334									16	14	
15						4			7500	0			--	--	--	--	SPARE	16	
17						4					7500	0	--	--	--	--	--	SPARE	18
19	SPARE	--	--	--	--	--	0	0			--	--	--	--	--	SPARE	20		
							A	B	C	Total									
							48509	32134	37034	117677									
							Connected Amps		169.86										
							Main Type and Amps Rating		170 Amps MCCB										
Demand Load Calculation																			
Load Classification		Connected Load	Demand Factor	Estimated Demand															
Lighting - Commercial Unit		3625	125%	4531.25															
Water Heater - Commercial Unit		40000	100%	40000															
Receptacle		48552	65%	30358.8															
Cooling		27500	100%	27500															
Pump		0	125%	0															
Other		0	100%	0															
Demand Load		117677		102290.05															
Demand Amps				148.2464493															



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

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