

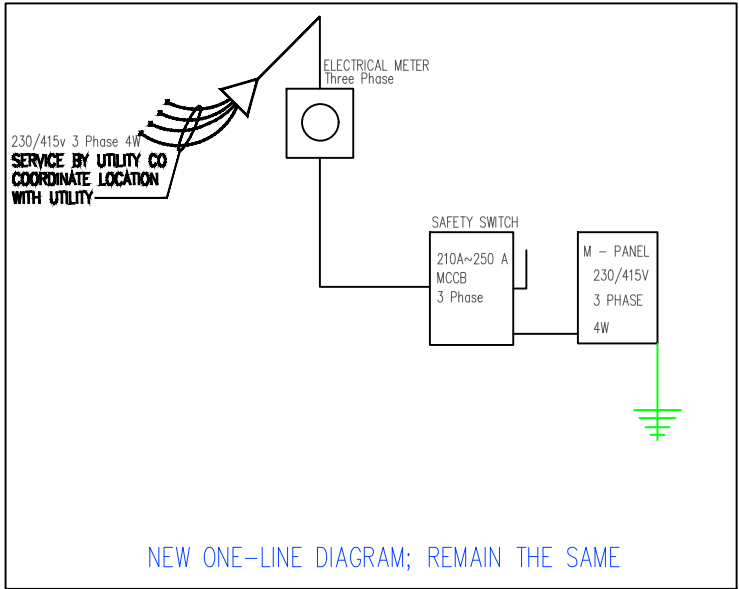
230/415 VOLT 3 PHASE 4 WIRE ELECTRICAL SERVICE				
ITEM	CONN. LOAD (VA)	DEMAND F.	DEMAND LOAD (WATTS)	TOTAL (AMPS)
LIGHTING	1100	125%	1375	
WATER HEATERS	2000	100%	2000	
EQUIPMENT	10866	65%	7063	
HVAC LOADS	24618	100%	24618	
SUB-TOTAL	38584		35056	
LARGEST MOTOR	0	125%	0	
TOTAL @ 230V/415 V	38584		35056	51

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E200

PANEL SCHEDULE & SERVICE CALCULATION

Material	
Name	Watt
CEILING MOUNT ROUND LED LIGHT	20W
WALL MOUNT LED LIGHT	10W
CEILING MOUNT 2"X2" SQUARE LED LIGHT	40W
HANGING LIGHT	20W

ELECTRICAL PANEL - MAIN															
LOAD SERVED	CKT #	TYPE	BKR TRIP	WIRE SIZE	PHASE A	PHASE B	PHASE C	PHASE A	BKR TRIP	WIRE SIZE	TYPE	CKT #	LOAD SERVED		
HVAC-7 TONS	1		80	#3	8206			1100	20	#12		2	LIGHTING LOAD		
	3		120	#1/0		8206		2000	100	#3		4	WATER HEATER		
	5		120	#1/0			8206	3000	120	#1/0		6	CB-1		
CB-4	7		20	#12	500			1500	20	#1/0		8	CB-2		
CB-5	9		100	#3	500			500	120	#1/0		10	CB-3		
CB-6	11		100	#3	500			1000	20	#12		12	CB-7		
CB-8	13		0	#12	1683			0	0	#12		14	SPARE		
	15		0	#12		1683		0	0	#12		16	SPARE		
SPARE	17		0	#12	0			0	0	#12		18	SPARE		
TOTAL VA PHASE A						11389		9100						20489	
TOTAL VA PHASE B							9889							9889	
TOTAL VA PHASE C								8206						8206	
TOTAL VOLT-AMPS														38584	
DIVIDE TOTAL VOLT-AMPS BY SYSTEM VOLTAGE (PHASE)								230		AMPS			168		
TOTAL CONNECTED LOAD (AMPS) @ 125%								210							
MAIN TYPE AND AMPERE RATING								210-250 AMP MCCB							
PANEL FEEDER SIZE - SEE RISER DIAGRAM															



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E200

SINGLE LINE DIAGRAM



ENGINEER'S TEAM

430 E 8TH ST STE 8017
HOLLAND MI 49423

ENGRTEAM.COM

SUPPORT@ENGRTEAM.COM

OWNER:

GENERAL ARRANGEMENT PLAN

ROCK LEOPARD BREWERY
13 WAGTAIL WALK, LONDON, SE2 9FE

SEAL:

Release for construction

ELECTRICAL LOAD SHEDULE PLAN

Drawn by: Engr. Al Amin

Checked:

Date: NOV, 24.

E. 3

Scale: 1:100

Watermarkly