BRANCH PANEL: OLPH-7B1

Location: ELEC B706
Main Bus: 225 A
MCB: 200 A
Voltage: 480/277 Wye
AIC Rating: 10 kA

Fed From: OLPH-P1B1
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	2
3	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	4
5	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	6
7	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	8
9	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	10
11	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	14
15	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	16
17	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	20
21	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	26
27	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	28
29	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	30
31	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	32
33	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	34
35	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	36
37	T-7B1-0	Spare:...	110 A	3	6000...	0 VA					1	20 A	--	SPARE	38
39	--	--	--	--			5950...	250 VA			2	30 A	MISC	SPD	40
41	--	--	--	--					5450...	250 VA	--	--	--	--	42
			Total Load:		6000 VA		6200 VA		5700 VA						
			Total Amps:		22 A		23 A		21 A						

OLPH-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	16900 VA		13450 VA		
MISC	1000 VA		1000 VA	**Total Conn. Load:**	17900 VA
				Total Est. Demand:	14450 VA
				Total Conn.:	22 A
				Total Est. Demand:	17 A

Notes:
*See Demand Factor Table

BRANCH PANEL: OLP-7B1

Location: ELEC B706
Main Bus: 250 A
MCB: 250A
Voltage: 120/208 Wye
AIC Rating: 10 kA

Fed From: T-7B1-0
Wires: 4W + G
Enclosure: NEMA 1
Bus Type: COPPER
Mounting: WALL MOUNTED

Neutral Bus: YES
Ground Bus: YES
Isolated Ground Bus: NO
200% Neutral: NO
Feed Through Lugs: NO

CKT	Circuit Description	Load Classification	Trip	Poles	A		B		C		Poles	Trip	Load Classification	Circuit Description	CKT
1	LEVEL 4 UNIT-WINE FRIDGE	RCPTS	20 A	1	800 VA	800 VA					1	20 A	RCPTS	LEVEL 6 UNIT-WINE FRIDGE	2
3	LEVEL 4 UNIT-WINE FRIDGE	RCPTS	20 A	1			800 VA	800 VA			1	20 A	RCPTS	LEVEL 6 UNIT-WINE FRIDGE	4
5	LEVEL 4 UNIT-WINE FRIDGE	RCPTS	20 A	1					800 VA	800 VA	1	20 A	RCPTS	LEVEL 6 UNIT-WINE FRIDGE	6
7	LEVEL 4 UNIT-WINE FRIDGE	RCPTS	20 A	1	800 VA	800 VA					1	20 A	RCPTS	LEVEL 6 UNIT-WINE FRIDGE	8
9	LEVEL 4 UNIT-MISC RCPT	RCPTS	20 A	1			500 VA	500 VA			1	20 A	RCPTS	LEVEL 6 UNIT-MISC RCPT	10
11	LEVEL 4 UNIT-MISC RCPT	RCPTS	20 A	1					500 VA	500 VA	1	20 A	RCPTS	LEVEL 6 UNIT-MISC RCPT	12
13	LEVEL 4 UNIT-MISC RCPT	RCPTS	20 A	1	500 VA	500 VA					1	20 A	RCPTS	LEVEL 6 UNIT-MISC RCPT	14
15	LEVEL 4 UNIT-MISC RCPT	RCPTS	20 A	1			500 VA	500 VA			1	20 A	RCPTS	LEVEL 6 UNIT-MISC RCPT	16
17	SPARE	--	20 A	1					0 VA	800 VA	1	20 A	RCPTS	LEVEL 7 UNIT-WINE FRIDGE	18
19	SPARE	--	20 A	1	0 VA	500 VA					1	20 A	RCPTS	LEVEL 7 UNIT-MISC RCPT	20
21	SPARE	--	20 A	1			0 VA	0 VA			1	20 A	--	SPARE	22
23	SPARE	--	20 A	1					0 VA	0 VA	1	20 A	--	SPARE	24
25	SPARE	--	20 A	1	0 VA	0 VA					1	20 A	--	SPARE	26
27	LEVEL 5 UNIT-WINE FRIDGE	RCPTS	20 A	1			800 VA	0 VA			1	20 A	--	SPARE	28
29	LEVEL 5 UNIT-WINE FRIDGE	RCPTS	20 A	1					800 VA	0 VA	1	20 A	--	SPARE	30
31	LEVEL 5 UNIT-WINE FRIDGE	RCPTS	20 A	1	800 VA	0 VA					1	20 A	--	SPARE	32
33	LEVEL 5 UNIT-WINE FRIDGE	RCPTS	20 A	1			800 VA	0 VA			1	20 A	--	SPARE	34
35	LEVEL 5 UNIT-MISC RCPT	RCPTS	20 A	1					500 VA	0 VA	1	20 A	--	SPARE	36
37	LEVEL 5 UNIT-MISC RCPT	RCPTS	20 A	1	500 VA	0 VA					1	20 A	--	SPARE	38
39	LEVEL 5 UNIT-MISC RCPT	RCPTS	20 A	1			500 VA	250 VA			2	30 A	MISC	SPD	40
41	LEVEL 5 UNIT-MISC RCPT	RCPTS	20 A	1					500 VA	250 VA	--	--	--	--	42
			Total Load:		6000 VA		5950 VA		5450 VA						
			Total Amps:		51 A		50 A		45 A						

OLP-7B1 LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals	
RCPTS	16900 VA		13450 VA		
MISC	500 VA		500 VA	**Total Conn. Load:**	17400 VA
				Total Est. Demand:	13950 VA
				Total Conn.:	48 A
				Total Est. Demand:	39 A

Notes:
*See Demand Factor Table

RESIDENTIAL SWITCHBOARD 'MS-P2A2' SUMMARY

PROJECT: Sommet Blanc
AIC RATING:
JOB NUMBER B2115392.000

Unit Type	Quantity	General Lighting VA	Fixed Appliance VA	Electric Range VA	Electric Dryer VA	HVAC VA	Total VA	Total Amp at 208V, 3P
A	9	125,550	291,105	72,000	45,000	177,750	711,405	
B	8	109,320	239,560	64,000	40,000	158,000	610,880	
C	4	56,784	116,980	32,000	20,000	82,400	308,164	
D	3	40,914	102,135	24,000	15,000	59,250	241,299	
E	4	62,808	128,180	32,000	20,000	86,400	329,388	
F	3	46,818	91,935	24,000	15,000	64,650	242,403	
G	1	14,952	32,045	8,000	5,000	20,700	80,697	
H	1	19,326	46,545	8,000	10,000	22,450	106,321	
I	1	23,478	58,545	8,000	10,000	23,350	123,373	
J	1	21,006	57,345	8,000	10,000	21,700	118,051	
K	1	20,481	45,845	8,000	5,000	23,350	102,676	
P	2	20,748	25,690	16,000	20,000	8,500	90,938	
Q	2	13,860	22,690	16,000	10,000	6,500	69,050	
Total:	**40**	**576,045**	**1,258,600**	**320,000**	**225,000**	**755,000**	**3,134,645**	

NEC 220-84 => Optional Calculations			28%	877,701	2,438
	Applicable when all of the following conditions are met:				
YES	1	No dwelling unit is supplied by more than one feeder	AMPS@480V		
YES	2	Each dwelling unit is equipped with Electric Cooking			
YES	3	Each dwelling unit is equipped with either Electric Space Heating or Air-conditioning or both.			

RESIDENTIAL SWITCHBOARD 'MS-P1C2' SUMMARY

PROJECT: Sommet Blanc
JOB NUMBER B2115392.000

Unit Type	Quantity	General Lighting VA	Fixed Appliance VA	Electric Range VA	Electric Dryer VA	HVAC VA	Total VA	Total Amp at 208V, 3P
L	1	17,913	43,645	8,000	5,000	20,400	94,958	264
M	6	112,734	222,870	48,000	30,000	127,800	541,404	1,504
N	5	93,675	176,725	40,000	25,000	106,500	441,900	1,228
O	1	22,890	44,145	8,000	10,000	21,300	106,335	295
R	4	23,100	42,580	32,000	20,000	6,800	124,480	346
Total:	**17**	**270,312**	**529,965**	**136,000**	**90,000**	**282,800**	**1,309,077**	

NEC 220-84 => Optional Calculations			39%	510,540	1,418
	Applicable when all of the following conditions are met:				
YES	1	No dwelling unit is supplied by more than one feeder	AMPS@208V		
YES	2	Each dwelling unit is equipped with Electric Cooking			
YES	3	Each dwelling unit is equipped with either Electric Space Heating or Air-conditioning or both.			

Expires 3/31/25
Stamped 5/31/24

Reserved for permit stamp

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project manager
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checked by Checker
job no.
date 5/31/2024

revisions:

no.	date	by
2	5/31/2024	IFC 3

IFC Set 3 of 3
5/31/2024

ELECTRICAL SCHEDULES

E6.10AB