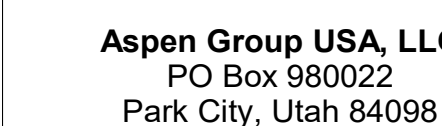


Olson Kundig

project:
SOMMET BLANC
3300 Marsac Ave (B2 East Parcel)



E2.4.B

DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, EXACT WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXTENT OF WORK. PROVIDE SUBSTANTIAL EVIDENCE OF THE QUALITY OF THE WORK SHOWN ON PLANS USING STANDARD HANDWRITING SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THEREABOUT AND ASSUME RESPONSIBILITY FOR ANY DISCREPANCIES. SUBMIT EVIDENCE OF THE QUALITY OF THE WORK SHOWN IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. ELECTRICAL CONDUIT, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED BY THE ELECTRICAL CODE, CONSTRUCTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

D. VERIFY ELECTRICAL SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

E. ELECTRICAL CONDUITS IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASES AND GELING SPACES LOCATIONS OF ELECTRICAL JUNCTIONS IN FINISHED SPACES SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN.

F. PROVIDE TECHNICAL AND CODE PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND JOCKS FOR CIRCUITING SHOW QUANTITY AND SIZES OF WIRING. PROVIDE CONDUIT AND JOCKS FOR CIRCUITING SHOW QUANTITY AND SIZES OF WIRING. PROVIDE CONDUIT AND JOCKS FOR CIRCUITING SHOW QUANTITY AND SIZES OF WIRING.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE SHALL BE NO INTERRUPTION OF SERVICE TO ANY OF THE BUILDING ZONE AREA.

I. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

J. AT PORCHES, ROUTE FLOOR MOUNTED CONDUIT FROM STRUCTURAL DECK AND

1. RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTERTOP SURFACE.

ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DECEAATED 15AMP 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING.

ALL SMOKE ALARMS RESIDENTIAL TO BE DECEAATED TO THE DECEAATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 30 AMP, 120/240 VOLT CIRCUIT BREAKER. THE TRANSFER RELAY SHALL BE USED TO TRANSFER THE LOAD TO THE DESIGNATED DUPLICATION RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OF THE ELECTRICAL PANEL. DECEAATED FOR THE CONTRACTOR.

2. RECEPTACLE NOTED TO BE TO BOCCO - 22-SYSTEM PLUSH MOUNTED OUTDOORS. SUPPLY AND INSTALL DEAD FRONT SELF-TEST GFC SWITCH TO PROVIDE GROUND FAULT PROTECTION TO THE BOCCO - 22-SYSTEM PLUSH MOUNTED OUTDOORS. EXACT LOCATION OF THE SELF-TEST GFC SWITCH TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR. THE SWITCH SHALL BE USED TO TRANSFER THE LOAD TO THE DESIGNATED DUPLICATION RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OF THE ELECTRICAL PANEL. DECEAATED FOR THE CONTRACTOR.

3. EXHAUST FANS NOTED ARE TO BE CONTROLLED BY THE LIGHT SWITCH LOCATED IN THE ROOM.

Application of Demand Factor: (NEC 220-82)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	18,640
3	Air Conditioning at 100%	19,750
Total Load:		48,390
Total amp at 208V, 3 phase		133

2 SCALE: NTS

BRANCH PANEL: UNIT PANEL - B

Location: LAUNDRY B.01

Main Bus: 400 A

MCB: 250 A

Voltage: 120/208 Vwye

AIC Rating:

Fed From:

Wires:
Enclosure:

Bus Type:

Mounting:

Neutral Bus:

Ground Bus:

Isolated Ground Bus:

500% Neutral:

Feed Through Lugs:

CKT	Circuit Description	Load Classification	Trippoles	A	B	C	Poles	Trippoles	Load Classification	Circuit Description	CKT		
1	DRYER	RCPTS	30 A	2	2080	1440		1	20 A	RCPTS	RCPTS BED 1 B.03	2	
3	—	RCPTS	30 A	1				1	20 A	RCPTS	RCPTS LIVING ROOM B.02	4	
5	WASHER	RCPTS	20 A	1				1	20 A	RCPTS	RCPTS BATH 1&2 O.S.B.13	6	
7	RCPTS LAUNDRY	RCPTS	20 A	1	900 V	1080		1	20 A	RCPTS	RCPTS DOB B.12	8	
9	DISHWASH	RCPTS	20 A	1		180 V	1260		1	20 A	RCPTS	RCPTS BED 2 B.15	10
11	GARBAGE DISPOSAL	RCPTS	20 A	1		180 V	900 V	1	20 A	RCPTS	RCPTS BED 3 B.10	12	
13	HOOD	Other	20 A	1	500 V	540 V		1	20 A	RCPTS	RCPTS BAT 3 B.08	14	
15	RANGE	RCPTS	50 A	2		4160	180 V	1	20 A	RCPTS	RCPTS BED 3 B.10	16	
17	—	RCPTS	50 A	2		4160	180 V	2	50 A	Power	STEAM	20	
19	RCPTS LIVING ROOM B.02	RCPTS	20 A	1	360 V	4160						22	
21	RCPTS LIVING ROOM B.02	RCPTS	20 A	1	360 V	4160						24	
23	RCPTS LIVING ROOM B.02	RCPTS	20 A	1		180 V	180 V	1	20 A	RCPTS	RCPTS	26	
25	FREEZER, REF	RCPTS	20 A	1	360 V	180 V		1	20 A	RCPTS	BIDET	28	
27	COFFEE	RCPTS	20 A	1		180 V	500 V	1	20 A	Other	TRACER	30	
29	WIRE FRIDGE	RCPTS	20 A	1				1	20 A	RCPTS	BIDET	32	
31	MW	RCPTS	20 A	1	180 V	180 V		1	20 A	RCPTS	BIDET	34	
33	SPARE	—	20 A	1		0 V A	0 V A	1	20 A	—	SPARE	36	
35	RCPTS LAUNDRY	RCPTS	20 A	1		360 V	0 V A	1	20 A	—	SPARE	38	
37	JB FOR FA	MISC	20 A	1	500 V	0 V A		1	20 A	—	SPARE	40	
39	IDXA	RCPTS	20 A	1		500 V	1500		1	20 A	HVAC	CI-A	42
41	RCPTS LAUNDRY	RCPTS	20 A	1		360 V	2000	1	20 A	HVAC	CI-A	44	
43	RCPTS DW	RCPTS	20 A	1	180 V	0 V A		1	20 A	—	SPARE	46	
45	FLUE FAN	RCPTS	20 A	1		500 V	0 V A	1	20 A	—	SPARE	48	
47	FIRE PLACE	RCPTS	20 A	1		180 V	0 V A	1	20 A	—	SPARE	50	
49	MTRIS	MTRIS	60 A	3	5000	0 V A		1	20 A	—	SPARE	52	
51	—	—	—	—	5000	0 V A		1	20 A	HVAC	SPARE	54	
53	—	—	—	—				1	20 A	HVAC	FCU-B.1	56	
55	FLUE FAN	HEAT	20 A	1	500 V	500 V		—	—	—	—	58	
57	FIRE PLACE	RCPTS	20 A	1		180 V	0 V A	1	20 A	—	SPARE	60	
59	SPARE	RCPTS	20 A	1			0 V A	0 V A	1	20 A	—	SPARE	62
61	HEAT	HEAT	20 A	2	250 V	500 V	0 V A	1	20 A	HVAC	FCU-B.3	64	
63	—	—	—	—	250 V	500 V	0 V A	1	20 A	—	—	66	
65	HEAT	HEAT	20 A	1				1	20 A	—	—	68	
67	SHADE	RCPTS	20 A	1	1000	1500		1	20 A	—	LIGHTING	70	
69	SHADE	RCPTS	20 A	1		2000	1500		1	20 A	—	LIGHTING	72
71	SHADE	RCPTS	20 A	1				1500	0 V A	1	20 A	—	74
73	SPARE	—	20 A	1	0 V A	0 V A		1	20 A	—	SPARE	76	
75	SPARE	—	20 A	1		0 V A	0 V A	1	20 A	—	SPARE	78	
77	SPARE	—	20 A	1	0 V A	0 V A		0 V A	0 V A	1	20 A	—	80
79	SPARE	—	20 A	1	0 V A	0 V A		0 V A	0 V A	1	20 A	—	82
81	SPARE	—	20 A	1		0 V A	0 V A	1	20 A	—	SPARE	84	
83	SPARE	—	20 A	1				0 V A	0 V A	1	20 A	—	86
Total Load:				21890 VA		26432 VA		15300 VA					
Total Amps:				186 A		221 A		161 A					

UNIT PANEL - B LOAD SUMMARY

Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	1000 VA		1000 VA	
RCPTS	30300 VA		20150 VA	Total Conn. Load: 47620 VA
MISC	4500 VA		4500 VA	Total Est. Demand: 57470 VA
SPARE	15000 VA		15000 VA	Total Conn. Demand: 1488 A
HVAC	2500 VA		2500 VA	Total Est. Demand: 160 A
MISC	500 VA		500 VA	
Power	8320 VA		8320 VA	
HVAC	5500 VA		5500 VA	

Notes:

*See Demand Factor Table

