

SHEET NOTES:

- A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.
- B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPIES, DISCONNECT REQUIREMENTS.
- C. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.
- D. ELECTRICAL CONDUITS IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE CHASSES AND CEILING SPACES LOCATIONS OF ELECTRICAL JUNCTION BOXES IN FINISHED SPACES SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN.
- E. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.
- F. PROVIDE CONDUIT, WIRE, AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.
- G. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE/ AREA.
- H. PROVIDE TAMPER PROOF RECEPTACLES IN RESIDENTIAL UNITS.
- I. AT PORCHES, ROUTE FLOOR-MOUNTED CONDUIT BETWEEN STRUCTURAL DECK AND RAISED PAVERS. SECURE, SUPPORT, AND SLOPE CONDUIT PER CODE.

NUMBERED NOTES:

1. RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.
2. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.
3. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPDT (DOUBLE POLE DOUBLE THROW) TRANSFER RELAY WITH 120 VOLT, 50A/120 VOLT CONTACT RATINGS AND NEMA 1 ENCLOSURE IN THE UNIT FOR THE WINE FRIDGE AND THE DESIGNATED DUPLEX RECEPTACLE. SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD TO THE EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OFF OF THE ELECTRICAL PANEL DEDICATED FOR OPTIONAL STAND-BY LOAD.
4. RECEPTACLE NOTED TO BE BOCCO - Z2 SYSTEM FLUSH MOUNTED OUTLETS. SUPPLY AND INSTALL DEAD FRONT SELF-TEST GFCI SWITCH TO PROVIDE GROUND FAULT PROTECTION TO THE BOCCO - Z2 SYSTEM FLUSH MOUNTED OUTLETS. EXACT LOCATION OF THE DEAD FRONT SELF-TEST GFCI SWITCH IS TO BE CONFIRMED WITH INTERIOR DESIGNER PRIOR TO INSTALLATION.
5. SUPPLY AND INSTALL WALL MOUNTED J-BOX INSTALLATION OF IN-DRAWERS RECEPTACLES. IN-DRAWERS RECEPTACLES ARE TO BE SUPPLIED AND INSTALLED BY OTHERS.
6. EXHAUST FANS NOTED ARE TO BE CONTROLLED BY THE LIGHT SWITCH LOCATED IN THE ROOM.

Unit	F	3,202 sq.ft.
Load Description	VA/VA/VA (or quantity)	VA Total VA
1 General Lighting	3 9,600	
a. General lighting & receptacles	3 9,600	
b. Small appliances (2 dkt.)	3 4,500	
c. Laundry circuit	1 2,500	
Total	15,600	15,600
2 Fixed Appliances:	30,645	30,645
3 Cooking (Electric)	1 8,000	8,000
4 Clothes Dryer	1 5,000	5,000
5 HVAC	6 5,100	
a. FCU	6 5,100	
b. BATHROOM EF	9 450	
c. D	-	-
d. D	-	-
e. D	-	-
f. D	-	-
g. MUA (large)	1 16,000	
h. MUA (small)	-	-
i. L	-	-
j. D	-	-
k. D	-	-
l. Warts per square foot	-	-
Total	21,550	21,550
Total Load		80,891
Application of Demand Factor: (NEC 220-62)		
1 First 100VA at 100%		10,000
2 Remaining Load at 80%		19,700
3 Air Conditioning at 100%		21,550
Total Load		51,250
Total amp at 208V, 3 phase		142

UNIT LOAD CALCULATION - UNIT F

SCALE: NTS

BRANCH PANEL: UNIT PANEL - F

Location: LAUNDRY F.18
Main Bus: 400 A
MISC: 250 A
Voltage: 120/208 Wye
A/C Rating:

Fed From:
Wires:
Enclosure:
Mounting:

Neutral Bus:
Ground Bus:
200% Neutral:
Feed Through Lug:

CKT	Circuit Description	Load Classification	Trips	Poles	A	B	C	Poles	Trips	Load Classification	Circuit Description	CKT
1	DRYER	RCPTS	30 A	2	2080, 1080,			1	20 A	RCPTS	RCPTS BED 1 F.07	2
3	WASHER	RCPTS	20 A	1		2080, 1620,		1	20 A	RCPTS	RCPTS LIVING ROOM F.02	4
7	RCPTS LAUNDRY F.18	RCPTS	20 A	1	1720 VA 1080		180 VA 1080	1	20 A	RCPTS	RCPTS BATH 1 F.05	6
8	DISHWASH	RCPTS	20 A	1				1	20 A	RCPTS	RCPTS DEN F.03	8
11	GARBAGE DISPOSAL	RCPTS	20 A	1		180 VA 1280	180 VA 1080	1	20 A	RCPTS	RCPTS BED 2 F.15	10
13	HOOD	Other	20 A	1	500 VA 900 VA			1	20 A	RCPTS	RCPTS BED 2 F.15	12
15	RANGE	RCPTS	50 A	2		4160, 900 VA		1	20 A	RCPTS	RCPTS BATH 3.3.4 POWDER	14
17		RCPTS	50 A	2			4160, 180 VA	1	20 A	RCPTS	RCPTS BED 4 F.09	16
19	RCPTS LIVING ROOM F.02	RCPTS	20 A	1	360 VA 4160,			2	50 A	Power	STEAM	18
21	RCPTS LIVING ROOM F.02	RCPTS	20 A	1		360 VA 4160,		1	20 A	RCPTS	RCPTS	20
23	RCPTS LIVING ROOM F.02	RCPTS	20 A	1			180 VA 180 VA	1	20 A	RCPTS	RCPTS	22
25	FREEZER REF	RCPTS	20 A	1	360 VA 180 VA			1	20 A	RCPTS	BIDET	24
27	COFFEE	RCPTS	20 A	1		180 VA 180 VA		1	20 A	RCPTS	RCPTS	26
29	WINE	RCPTS	20 A	1			180 VA 180 VA	1	20 A	RCPTS	RCPTS	28
31	MICROWAVE	RCPTS	20 A	1		180 VA 180 VA		1	20 A	RCPTS	RCPTS	30
33	HEAT TRACE	Other	20 A	1		500 VA 500 VA		1	20 A	Other	HEAT TRACE	32
35	RCPTS LAUNDRY F.18	RCPTS	20 A	1			360 VA 0 VA	1	20 A	Other	HEAT TRACE	34
37	JIB FOR TA	MISC	20 A	1	500 VA 180 VA			1	20 A	RCPTS	RCPTS	36
39	SPARE	RCPTS	20 A	1		0 VA 2500,		1	20 A	RCPTS	RCPT BED 4 F.09	38
41	RCPTS LAUNDRY F.18	RCPTS	20 A	1			360 VA 2000	1	20 A	HVAC	CF-A	40
43	SPARE	RCPTS	20 A	1	0 VA 500 VA			1	20 A	HVAC	HEAT	42
45	FLUE FAN	HEAT	20 A	1		500 VA 250 VA		2	20 A	HVAC	HEAT	44
47	SPARE	RCPTS	20 A	1			0 VA 250 VA	2	20 A	HVAC	HEAT	46
49	MUA.F	MTRIS	60 A	3	5000, 500 VA			2	20 A	HVAC	FCU-1	48
51	SPARE	RCPTS	20 A	1		5000, 500 VA		2	20 A	SPARE	50	50
53	SPARE	RCPTS	20 A	1		5000, 0 VA		1	20 A	SPARE	52	52
55	FLUE FAN	HEAT	20 A	1	500 VA 0 VA			1	20 A	SPARE	54	54
57	FOR FIREPLACE	RCPTS	20 A	1	180 VA 500 VA			2	20 A	HVAC	FCU-F-3	56
59	SPARE	RCPTS	20 A	1			0 VA 500 VA	2	20 A	HVAC	FCU-F-3	58
61	SPARE	RCPTS	20 A	1	0 VA 0 VA			1	20 A	SPARE	60	60
63	SHADES	RCPTS	20 A	1	0 VA 0 VA			1	20 A	SPARE	62	62
65	SHADES	RCPTS	20 A	1		0 VA 0 VA	1000, 250 VA	2	20 A	HVAC	FCU-S	64
67	SHADES	RCPTS	20 A	1	1500, 250 VA			2	20 A	SPARE	66	66
69	SHADES	RCPTS	20 A	1		1500, 0 VA		1	20 A	SPARE	68	68
71	SHADES	RCPTS	20 A	1			2000, 1500	1	20 A	SPARE	70	70
73	SPARE	RCPTS	20 A	1	0 VA 1500,			1	20 A	SPARE	72	72
75	SPARE	RCPTS	20 A	1		0 VA 0 VA		1	20 A	SPARE	74	74
77	FOR FIREPLACE	RCPTS	20 A	1			680 VA 0 VA	1	20 A	SPARE	76	76
79	SPARE	RCPTS	20 A	1				1	20 A	HVAC	HEAT	78
81	SPARE	RCPTS	20 A	1		0 VA 0 VA		1	20 A	SPARE	80	80
83	SPARE	RCPTS	20 A	1			0 VA 0 VA	1	20 A	SPARE	82	82
Total Load:					22710 VA	27010 VA	0 VA 0 VA	1	20 A	SPARE	84	
Total Amps:					181 A	227 A						

UNIT PANEL - F LOAD SUMMARY

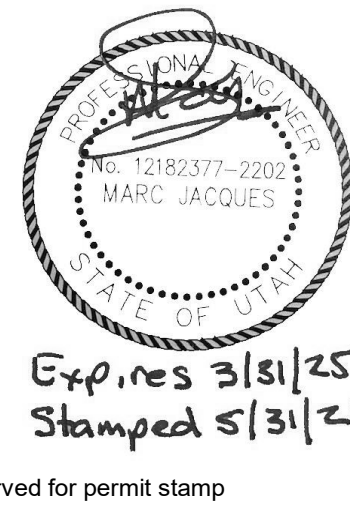
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Other	1500 VA		1500 VA	
RCPTS	33360 VA		21690 VA	Total Conn. Load: 71200 VA
SPARE	3000 VA		3000 VA	Total Est. Demand: 59510 VA
MTRIS	15000 VA		15000 VA	Total Conn. Load: 188 A
HEAT	1000 VA		1000 VA	Total Est. Demand: 188 A
MISC	500 VA		500 VA	
Power	8320 VA		8320 VA	
HVAC	8500 VA		8500 VA	

Notes:
*See Demand Factor Table

TOWER A/B - ELECTRICAL PLAN - UNIT F

SCALE: 1/4" = 1'-0"

0' 1' 2' 3' 4' 8' 12'



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TOWER A/B ELECTRICAL
POWER PLAN - UNIT F

E2.4.F