

DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT DESIGN, AND EXTENT OF WORK AND ARE DIAGRAMMATIC. DRAWINGS ARE NOT INTENDED TO SHOW EXACT LOCATION OF WORK ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF WORK ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERY MEASUREMENTS PERTAINING THERE TO AND ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION AND APPROVAL. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:

- F. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- G. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- H. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- I. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- J. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- K. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- L. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- M. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- N. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- O. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- P. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- Q. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- R. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- S. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- T. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- U. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- V. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- W. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- X. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- Y. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- Z. THE WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.

1. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15AMP 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 SMOKE ALARM LOCATIONS.

2. ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) 20 AMP DOUBLE POLE DOUBLE THROW TRANSFER RELAY WITH 120 VOLT 60HZ COIL, 25AMP(120 VOLT) CIRCUIT RATINGS AND ONE (1) ENCLOSURE IN THE UNIT FOR THE FIRE WEDGE AND THE SMOKE ALARMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WIRING OF THE TRANSFER RELAY TO THE SHARED CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OFF OF THE ELECTRICAL PANEL DEDICATED FOR THE TRANSFER RELAY.

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

4. RECEPTACLE NOTED IS TO BE 600°C - 22 SYSTEM FLUSH MOUNTED. SUPPLY AND INSTALL DEAD PULL SELF-TEST GFCI 20 AMPVAC CIRCUIT BREAKER WITH 120VOLT 60HZ COIL, 25AMP(120 VOLT) CIRCUIT RATINGS AND ONE (1) ENCLOSURE IN THE UNIT FOR THE SHARED CIRCUIT OF THE DEAD PULL SELF-TEST GFCI SWITCH IS TO BE COMPLETED WITH INTERIOR DESIGNER PRIOR TO INSTALLATION.

5. SUPPLY AND INSTALL WALL MOUNTED 4"X8" INSTALLATION OF IN DRAWERS RECEPTABLES. IN DRAWERS RECEPTABLES ARE TO BE 600°C AND INSTALLED BY THE INTERIOR DESIGNER.

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

Unit K		4,827	sq.ft.		
Load Description	General lighting a. General lighting & receptacles b. Small appliances (2 circ) c. Laundry circuit Total	Va/eq. ft. (or quantity)	VA	Total VA	
1	Fixed Appliances:		45,845	45,845	
2	Cooking (Electric)		8,000	8,000	
3	Clothes Dryer	1	5,000	5,000	
4	CHVAC				
5	1. BATHROOM EF	8	690		
	c. D	11	550		
	d. D	-	-		
	e. D	-	-		
	f. D	-	-		
	g. MUA (Large)	1	16,000		
	h. MUA (Small)	-	-		
	i. -	-	-		
	j. -	-	-		
	k. D	-	-		
	l. Watts per square foot	-	-		
	Total		23,350	23,350	
					1,02,678
Total Load:					
Application of Demand Factor: (NEC 220-82)					
1	First 10kVA at 100%			10,000	
2	Remaining Load at 80%			27,750	
3	Air Conditioning at 100%			23,350	
Total Load:				61,100	
Total area at 20W, 3 phase				170	

SCALE: NTS

BRANCH PANEL: UNIT PANEL - K														
Location: Main Bus: 400 A MCB: 250 A Voltage: 120/208 Vye AIC Rating:					Fed From: Wires: Enclosure: Bus Type: Mounting:			Neutral Bus: Ground Bus: 200% Neutral: Feed Through Lugs:						
CKT	Circuit Description	Load Classification			Poles			Load Classification			Circuit Description	CKT		
		on Poles	Trips	A	B	C	Poles	Trips	on Poles					
1	DRYER	RCPTS	30 A	2	2060	1440				2	RCPTS	1		
3		RCPTS	--	--		2080	1440					3		
7	RCPTS	RCPTS	20 A	1				180 VA 1080		1	2	RCPTS	4	
8	RCPTS	RCPTS	20 A	1	1 720 VA 1080						1	2	RCPTS	8
9	RCPTS	RCPTS	20 A	1		180 VA 1260			180 VA 1260	1	2	RCPTS	9	
11	RCPTS	RCPTS	20 A	1					1	2	RCPTS	RCPTS	8	
13	HOOD	Other	20 A	1	500 VA 720 VA				1	2	RCPTS	RCPTS	12	
15	RANGE	RCPTS	50 A	2		4160	1260		1	2	RCPTS	RCPTS	14	
17		RCPTS	20 A	1			4160	180 VA		2	2	RCPTS	RCPTS	16
21	RCPTS	RCPTS	20 A	1	360 VA 180 VA				--	--				18
23	RCPTS	RCPTS	20 A	1		360 VA 180 VA			1	2	RCPTS	RCPTS	20	
25	RCPTS	RCPTS	20 A	1	360 VA 180 VA				1	2	RCPTS	RCPTS	26	
27	RCPTS	RCPTS	20 A	1		180 VA 180 VA			1	2	RCPTS	RCPTS	28	
29	RCPTS	RCPTS	20 A	1			180 VA 180 VA		1	2	RCPTS	RCPTS	30	
31	RCPTS	RCPTS	20 A	1	180 VA 180 VA				1	2	RCPTS	RCPTS	32	
33	RCPTS	RCPTS	20 A	1		180 VA 900 VA			1	2	RCPTS	RCPTS	34	
35	LAUNDRY	RCPTS	20 A	1			360 VA 1000		1	2	Other	HEAT TRACE	36	
37	JB FORK	HVAC	20 A	1	500 VA 0 VA				1	4	Other	HEAT TRACE	42	
39	DXA	HVAC	20 A	1	1000	2500			2	2	HVAC	CF-A	44	
41	LAUNDRY	RCPTS	20 A	1			360 VA 3000		1	2	RCPTS	RCPTS	46	
43	SPARE	RCPTS	--	20 A	1	0 VA 1440			1	2	RCPTS	RCPTS	48	
45		RCPTS	30 A	2		2080	180 VA		1	2	RCPTS	RCPTS	50	
47		--	--	--	--	--	2080	540 VA	1	2	RCPTS	RCPTS	52	
49	MAULK	--	--	--	MTSR	60 A	3	5000	500 VA	2	2	HVAC	FCULJK-1, K-2	58
51		--	--	--	--	--	--	5000	500 VA	--	--	--	--	60
53		RCPTS	20 A	1	1000	0 VA		5000	0 VA	1	2	--	SPARE	54
55	FLU FAN	RCPTS	20 A	1		360 VA 500 VA			1	2	HVAC	FCULJK-3, K-4	56	
57	FIREPREL	RCPTS	20 A	1		690 VA 500 VA			1	2	HVAC	FCULJK-5, K-6	62	
59	FLU FAN	RCPTS	20 A	1	180 VA 500 VA		500 VA 500 VA		1	2	HVAC	HUMIDIFIER BED 2 K.04	68	
61	FIREPREL	RCPTS	20 A	1			180 VA 500 VA		1	2	HVAC	HUMIDIFIER BED 1 K.03	74	
63	FLU FAN	RCPTS	20 A	1			180 VA 500 VA		1	2	HVAC	FCULJK-5, K-6	80	
65	FIREPREL	RCPTS	20 A	1	500 VA 500 VA				1	2	--	--	86	
67	WALL SW	RCPTS	20 A	1		180 VA 1500			1	2	--	--	88	
69	RCPTS	--	20 A	1			1500	1500	1	2	--	--	90	
71	LIGHTING	--	20 A	1	0 VA 180 VA				1	2	RCPTS	LIGHTING	72	
73	SPARE	RCPTS	20 A	1		1000	180 VA		1	2	RCPTS	RCPTS	74	
75	SHADES	RCPTS	20 A	1			2000	2250 VA	1	2	RCPTS	RCPTS	76	
77	SHADES	RCPTS	20 A	1					2	70 A	Other	RCPTS FOR LIVING ROOM K.02	82	
79	SHADES	RCPTS	20 A	1	1500	250 VA							86	
81	SHADES	RCPTS	20 A	1		1000	520						88	
83	SHADES	RCPTS	20 A	1				2000	5200	--	--	--		84
Total Load:					20030 VA	25600 VA	3440 VA							
Total Amps:					167 A	310 A	305 A							
UNIT PANEL - K LOAD SUMMARY														
Load Classification		Connected Load		'Demand Factor		Estimated Demand		Panel Totals						
RCPTS		11900 VA		5000 VA		11900 VA		Total Conn. Load: 89400 VA						
RCPTS		46220 VA		20110 VA		46220 VA		Total Demand: 71370 VA						
Spare		4500 VA		4500 VA		4500 VA		Total Conn. Load: 148 A						
MTRS		15000 VA		180 VA		15000 VA		Total Demand: 198 A						
Power HVAC		11680 VA		11680 VA		11680 VA								

