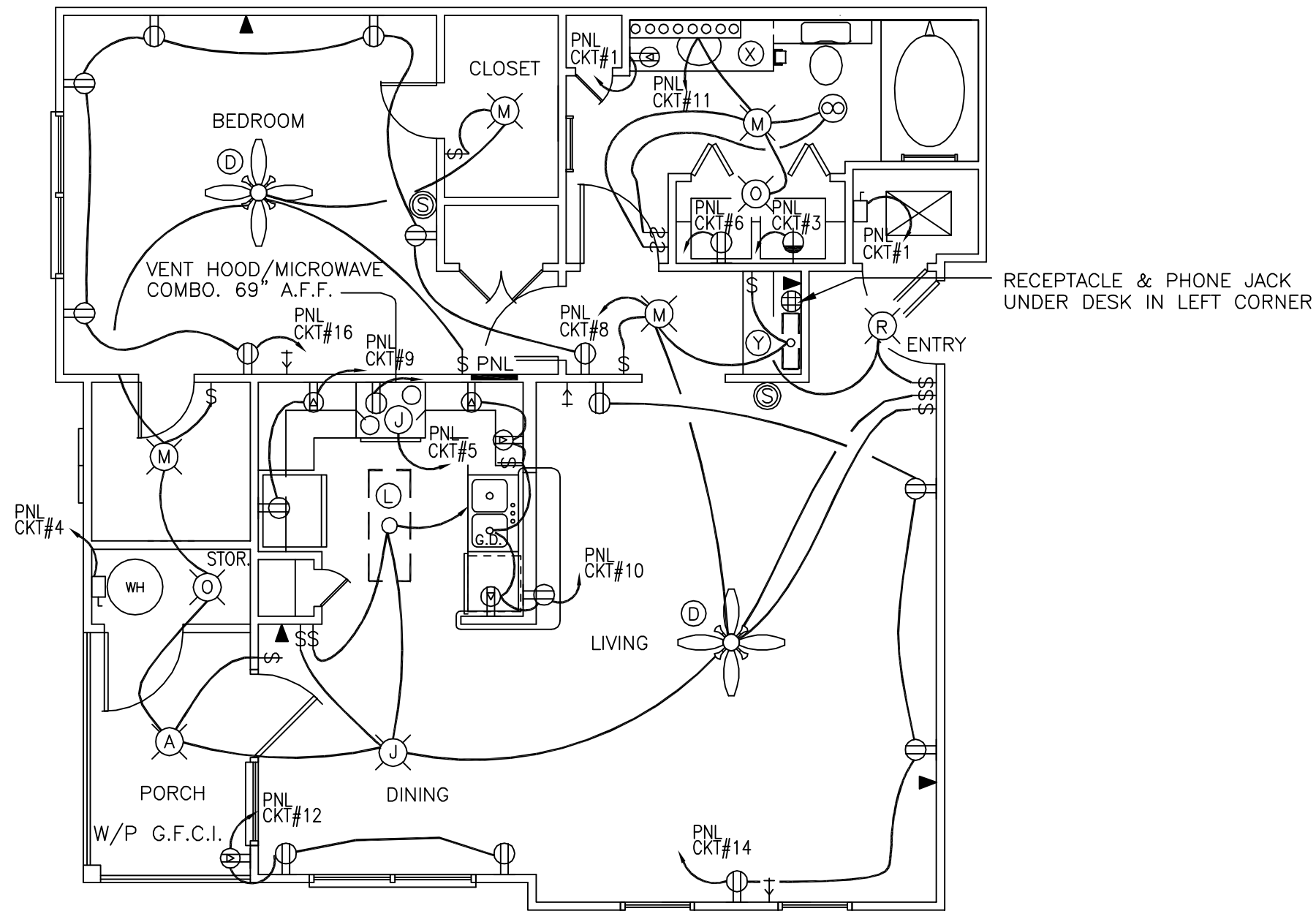


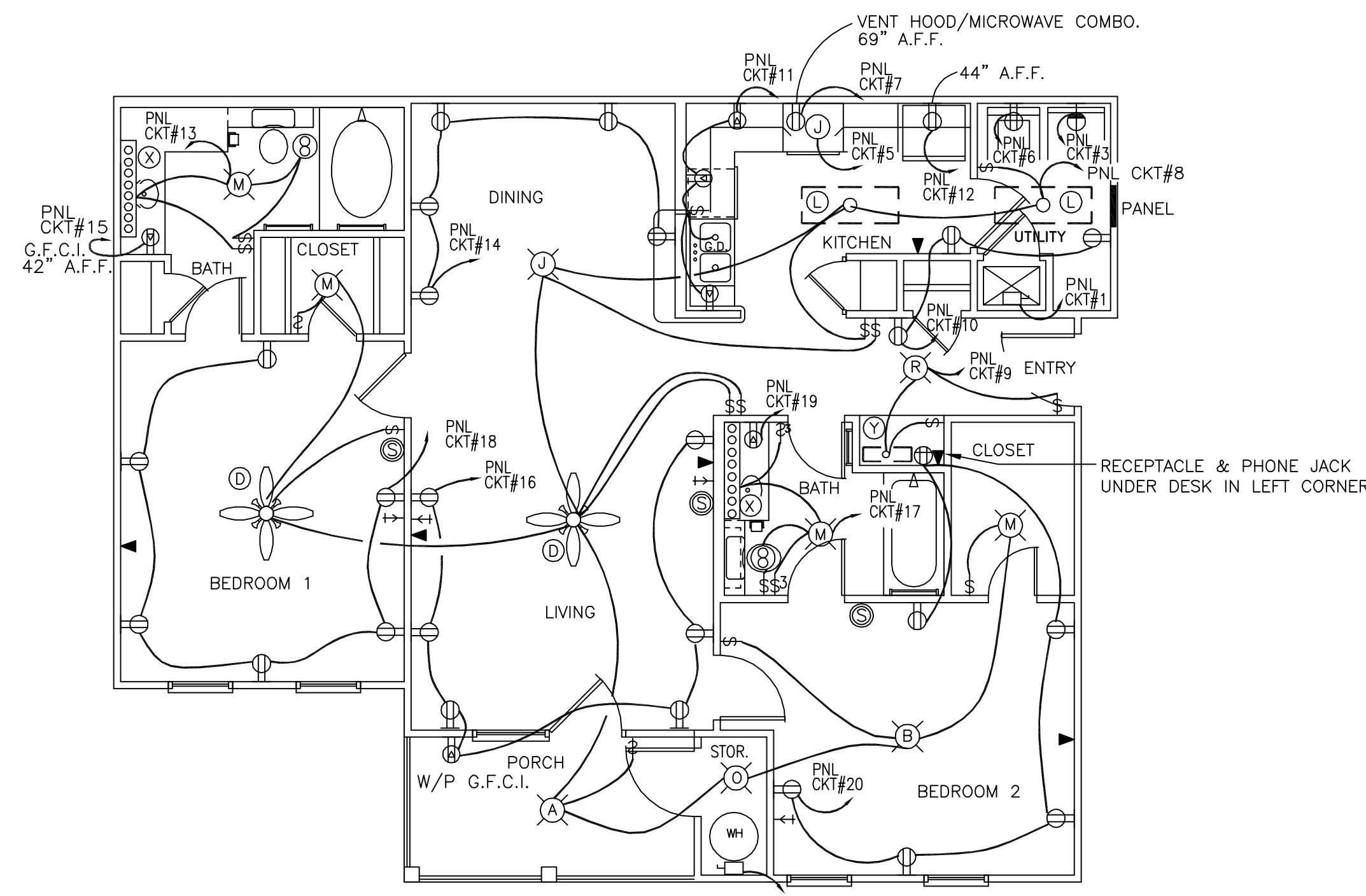
LIGHTING & POWER PLAN UNIT 1A
SCALE: 1/4" = 1'-0"



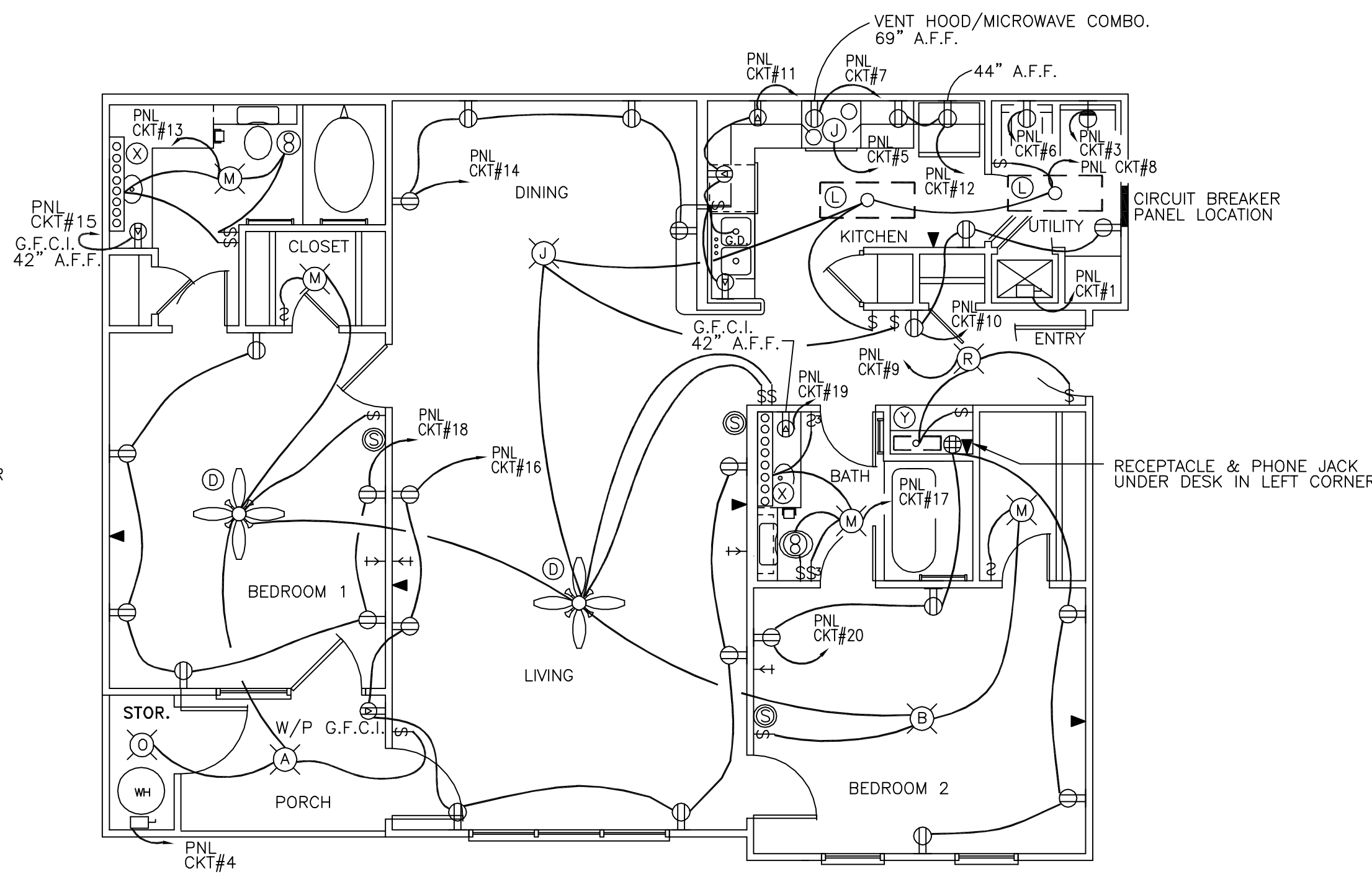
LIGHTING & POWER PLAN UNIT 1B
SCALE: 1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE						
MARK	TYPE	MFGR.	CAT. NO.	LAMP	MOUNTING	VOLTS
(A)	A	PROGRESS	P5745-30	2	SURFACE	120
(B)	B	PROGRESS	P4961-30	2	SURFACE	120
(C)	CB	PROGRESS	P7196-30ES	4	SURFACE	120
(D)	CD	CRAFTMADE	TK107-W/WA	X	SURFACE	120
(E)	CD1	CRAFTMADE	F104/403	1/4	ATTACHMENT	120
(F)	X	LITHONIA	10830120ES	1	SURFACE	120
(G)	CE	LITHONIA	LOMSW3R120/277ELN	X	SURFACE	120
(H)	CF	LITHONIA	ELM2	2	WALL	120
(I)	CO	PROGRESS	P87AT0/808231	1	RECESSED	120
(J)	OR	PROGRESS	P5097-10	1	PENDANTS	120
(K)	CO	PROGRESS	P3299-10	6	WALL & VANITY	120
(L)	D	PROGRESS	P7816-30ES	2	SURFACE	120
(M)	G	DESIGNERS	4732-PB	1	SURFACE	120
(N)	J	DESIGNER	4731-PB	1	SURFACE	120
(O)	K	EAGLE	604	1	SURFACE	120
(P)	R3	PROGRESS	P87-AT/8066-31	1	RECESSED	120
(R)	S	DESIGNER	1151PB	2	SURFACE	120
(S)	SMOKE	FIREX	451B	X	CEILING	120 SMOKE DETECTOR W/BATTERY BACKUP
(T)	X	PER OWNER	X	X	X	X
(U)	X	LITHONIA	11884120ES	2	SURFACE	120
(V)	CO	PROGRESS	P3335-10	5	WALL & VANITY	120
(X)	CO	PROGRESS	P3300-10	8	WALL & VANITY	120
(Y)	D	PROGRESS	P7183-30	2	CEILING	120

- LEGEND**
- FLUORESCENT FIXTURE
 - BROADWAY LIGHT
 - CEILING FAN
 - CEILING MTG FIXTURE
 - WALL MTG FIXTURE
 - RECESSED FIXTURE
 - VENT
 - EXIT LIGHT, BATTERY BACK-UP
 - EMERGENCY LIGHT, BATTERY BACK-UP
 - SWITCH
 - 3 WAY SWITCH
 - DUPLEX RECEPTACLE
 - GFI RECEPTACLE
 - DISCONNECT SWITCH
 - POWER PANEL
 - HOT WATER HEATER WITH DISCONNECT
 - 220 OUTLET
 - SMOKE DETECTOR
 - CABLE TV OUTLET
 - PHONE
 - QUAD RECEPTACLE



LIGHTING & POWER PLAN UNIT 2A
SCALE: 1/4" = 1'-0"



LIGHTING & POWER PLAN UNIT 2B
SCALE: 1/4" = 1'-0"

LOAD CALCULATION FOR DWELLING UNIT 1A

GENERAL LIGHTING LOAD VA/SF NEC TABLE 220-3	3VA X 900SF = 2700VA
KITCHEN APPLIANCE NEC 220-16(a)	1500VA X 2 = 3000VA
LAUNDRY CIRCUIT NEC 220-16(b)	1500VA X 1 = 1500VA
HEATING AND A/C LOAD (LARGEST OF)	2976VA X 1 = 2976VA
ELECTRIC CLOTHES DRYER NEC 220-18	5000VA X 1 = 5000VA
ELECTRIC RANGE NEC 220-19	8000VA X 1 = 8000VA
WATER HEATER	4500VA X 1 = 4500VA
TOTAL LOAD	27676VA
	22676VA / 240V = 115.32A

LOAD CALCULATION FOR DWELLING UNIT 1B

GENERAL LIGHTING LOAD VA/SF NEC TABLE 220-3	3VA X 1000SF = 3000VA
KITCHEN APPLIANCE NEC 220-16(a)	1500VA X 2 = 3000VA
LAUNDRY CIRCUIT NEC 220-16(b)	1500VA X 1 = 1500VA
HEATING AND A/C LOAD (LARGEST OF)	2976VA X 1 = 2976VA
ELECTRIC CLOTHES DRYER NEC 220-18	5000VA X 1 = 5000VA
ELECTRIC RANGE NEC 220-19	8000VA X 1 = 8000VA
WATER HEATER	4500VA X 1 = 4500VA
TOTAL LOAD	27976VA
	27976VA / 240V = 116.57A

LOAD CALCULATION FOR DWELLING UNIT 2A

GENERAL LIGHTING LOAD VA/SF NEC TABLE 220-3	3VA X 1100SF = 3300VA
KITCHEN APPLIANCE NEC 220-16(a)	1500VA X 2 = 3000VA
LAUNDRY CIRCUIT NEC 220-16(b)	1500VA X 1 = 1500VA
HEATING AND A/C LOAD (LARGEST OF)	3840VA X 1 = 3840VA
ELECTRIC CLOTHES DRYER NEC 220-18	5000VA X 1 = 5000VA
ELECTRIC RANGE NEC 220-19	8000VA X 1 = 8000VA
WATER HEATER	4500VA X 1 = 4500VA
TOTAL LOAD	29140VA
	29140VA / 240V = 121.42A

LOAD CALCULATION FOR DWELLING UNIT 2B

GENERAL LIGHTING LOAD VA/SF NEC TABLE 220-3	3VA X 1300SF = 3900VA
100% DEMAND TO FIRST 3000VA LIGHTING LOAD	3000VA X 1 = 3000VA
35% DEMAND TO REMAINDER OF LTG. LOAD, NEC TABLE 220-3	900VA X 0.35 = 315VA
KITCHEN APPLIANCE NEC 220-16(a)	1500VA X 2 = 3000VA
LAUNDRY CIRCUIT NEC 220-16(b)	1500VA X 1 = 1500VA
HEATING AND A/C LOAD (LARGEST OF)	4320VA X 1 = 4320VA
ELECTRIC CLOTHES DRYER NEC 220-18	5000VA X 1 = 5000VA
ELECTRIC RANGE NEC 220-19	8000VA X 1 = 8000VA
WATER HEATER	4500VA X 1 = 4500VA
TOTAL LOAD	29635VA
	29677VA / 240V = 123.48A

THE BRYAN COMPANY
ISLAND PARK
APARTMENT COMMUNITY
SHREVEPORT, LA

ISLAND PARK
DAMMON ENGINEERING, INC.
ARCHITECTS - ENGINEERS
819 ROBERT ROAD
SLIDELL, LA 70458

SCALE: AS NOTED
FILE: --
JOB No.: --
DATE: 03-29-04
SHEET
E-14
OF -