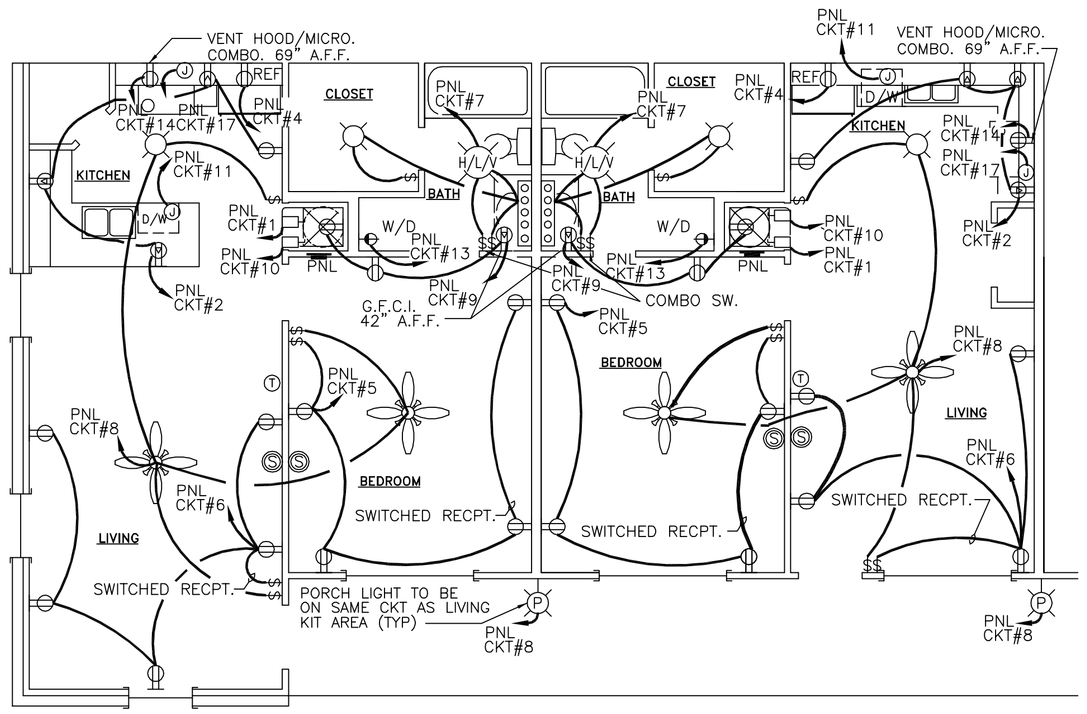
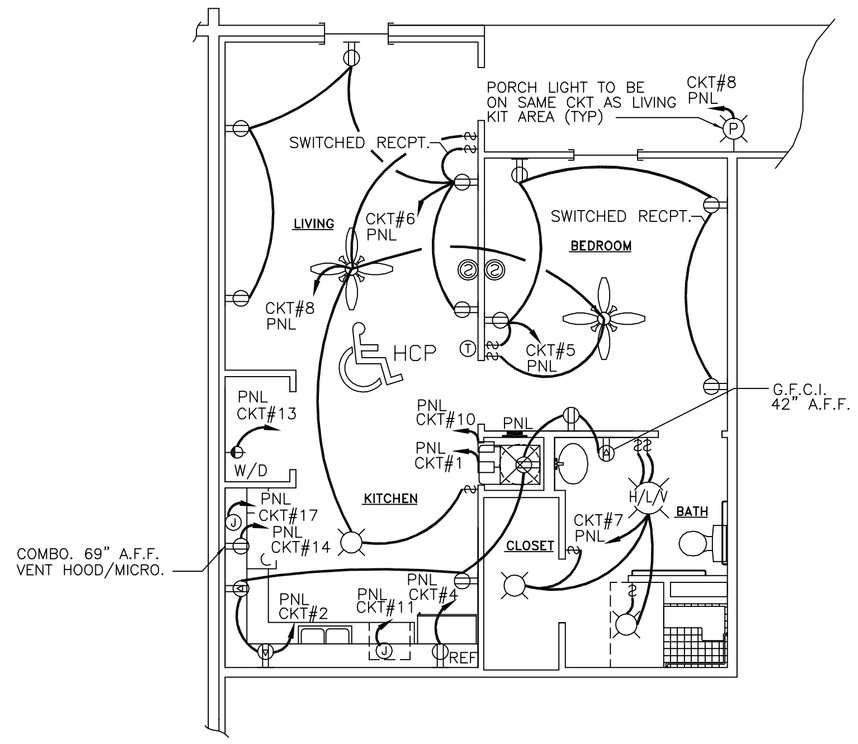


TYPICAL APARTMENT ELECTRICAL PLAN

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



HANDICAP UNIT – 1ST FLOOR ONLY

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

NOTE:

PANELBOARD AND BREAKERS ARE RATED FOR MINIMUM OF 35,000 AMPS SYMETRICAL

TYPICAL RENT UNIT PANEL

PANEL: 125A; 125AMP MAIN BREAKER
LOCATION: BEDROOM

VOLTAGE: 240/120V, 1ø, 3W, 2P, SN
FEEDER: 2#2, 1#4N, 1#4GRND, 1 1/4" CONDUIT

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A# B# 125A	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	A/C UNIT HTR (5KW) COMPRESSOR	50	2	–		–	1	20	KITCHEN RECPT. GFI	2
3				–		–	1	20	REFRIGERATOR	4
5	BEDROOM RECPT. WITH ARC FAULT BREAKER	20	1	–		–	1	20	LIVING ROOM RECPT.	6
7	BATHROOM H/L/V & LIGHTING	20	1	–		–	1	20	KITCHEN, LIVING, & BEDROOM LIGHTING	8
9	GFI RECPT.	20	1	–		–	2	30	HOT WATER HEATER	10
11	DISHWASHER	20	1	–						12
13	WASHED/DRYER	30	2	–		–	–	20	MICROWAVE RECPT.	14
15				–		–	–	–	SPARE	16
17	RANGE	50	2	–		–	–	–	SPARE	18
19				–		–	–	–	SPARE	20
21	SPARE	–	–	–		–	–	–	SPARE	22
23	SPARE	–	–	–		–	–	–	SPARE	24

SOLID NEUTRAL NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A#= 12050 B#= 11250

GROUND BUS GROUND WIRE (G)

HOUSE PANEL

PANEL: 125A; 125AMP MAIN BREAKER
LOCATION: BEDROOM

VOLTAGE: 240/120V, 1ø, 3W, 2P, SN
FEEDER: 2#2, 1#4N, 1#4GRND, 1 1/4" CONDUIT

CKT. NO.	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A# B# 125A	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	CKT. NO.
1	EXTERIOR CAN LIGHTS	20	1	–		–	1	20	EXTERIOR 250W LIGHTS	2
3	EXTERIOR CAN LIGHTS	20	1	–		–	1	20	EXTERIOR 250W LIGHTS	4
5	EXTERIOR RECEPTACLES	20	1	–		–	1	20	EXTERIOR 250W LIGHTS	6
7	EXTERIOR RECEPTACLES	20	1	–		–	1	20	SPARE	8
9	SPARE	20	1	–		–	1	20	SPARE	10
11	SPARE	20	1	–		–	1	20	SPARE	12
13	SPARE	20	1	–		–	1	20	SPARE	14
15	SPARE	20	1	–		–	1	20	SPARE	16
17	SPARE	20	1	–		–	1	20	SPARE	18
19	SPARE	20	1	–		–	1	20	SPARE	20
21	SPARE	20	1	–		–	1	20	SPARE	22
23	SPARE	20	1	–		–	1	20	SPARE	24

SOLID NEUTRAL NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A#= 12050 B#= 11250

GROUND BUS GROUND WIRE (G)

ELECTRICAL NOTES:

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE LOCAL GOVERNING ELECTRICAL CODE, AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. CIRCUITRY IS SHOWN DIAGRAMATICALLY & ACTUAL LOCATIONS OF JUNCTION BOXES, CONDUIT RUNS, ETC. SHALL BE DETERMINED IN FIELD. DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND ELEVATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD, UNLESS NOTED OTHERWISE.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE.
8. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH ADJUSTMENTS IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. TYPE NMC CABLE MAY BE USED WHERE APPROVED BY LOCAL AUTHORITY.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. INSTALL GROUND FAULT RECEPTACLES AT LOCATIONS WITHIN 5' OF SINKS OF LAVATORIES AND EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL BE WEATHER PROOF.
15. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230–63, NFPR 250–23, 250–71, & 250–72.
16. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250–23b.
17. TYPE OUT ALL PANELBOARD DIRECTORIES TO REFLECT NEW WORK.
18. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
19. ALL HANDICAP UNITS. SWITCHES AND THERMOSTATS SHALL BE MOUNTED 48" A.F.F. MAXIMUM AND RECEPTACLES SHALL BE MOUNTED 15" A.F.F. MINIMUM.
20. 1ST FLOOR CEILINGS AND ALL DEMISSING WALLS ARE FIREWALLS. USE APPROVED BOXES FOR RECEPTICALES, SWITCHES, ETC.
21. 2 CATV AND 2 PHONE JACKS PER UNIT REQUIRED.
22. ALL ELECTRICAL, MECHANICAL & PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM–E814.)

LEGEND

- (R) – GFI RECEPTACLE
- – DUPLEX RECEPTACLE 20A, 120 VOLT
- (V) – RECEPTACLES, 30A, 240V
- (J) – JUNCTION BOX
- – FUSED DISCONNECT SWITCH
- $_3$ – SWITCH, S.P., 15A, 120V, 3 INDICATES 3 WAY
- – PANEL, LIGHT & POWER
- (T) – THERMOSTAT
- – LIGHT (VERIFY TYPE)
- (P) – PORCH LIGHT
- H/L/V – BATHROOM FIXTURE (HEAT/LIGHT/VENT)
- (S) – SMOKE DETECTOR
- – CEILING FAN/LIGHT
- – HOLLYWOOD LIGHT
- (P) – PHOTO CELL

ELECTRICAL PLAN

DAMMON ENGINEERING, INC.
ARCHITECTS – ENGINEERS
2000 OLD SPANISH TRAIL, STE. 100 985-649-6832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED

FILE:

JOB NO. 1510

DATE: 5–15–03

SHEET

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OF