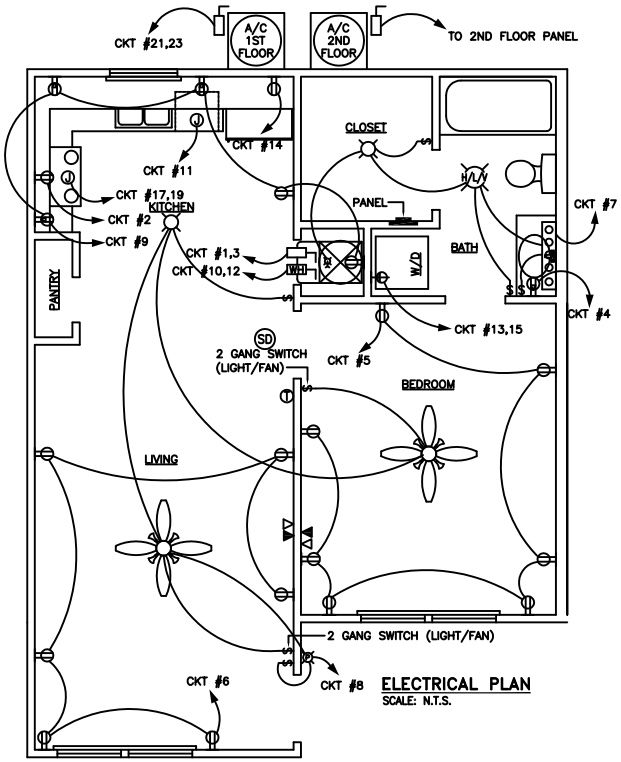


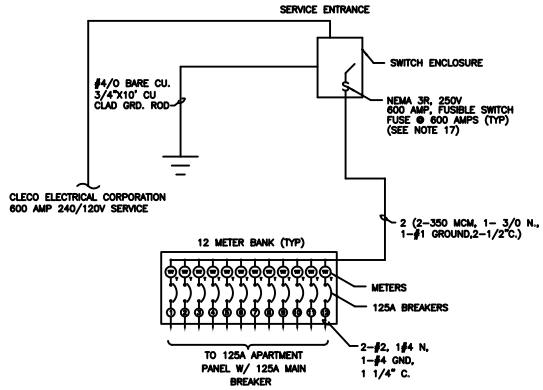
ELECTRICAL PLAN

SCALE: N.T.S.

NOTE!
THIS ELECTRICAL PLAN IS TYPICAL FOR ALL RENTAL UNITS, IN BUILDINGS 1–6. SEE SITE PLAN FOR BUILDING LOCATIONS (SHEET C–1)

ELECTRICAL NOTES

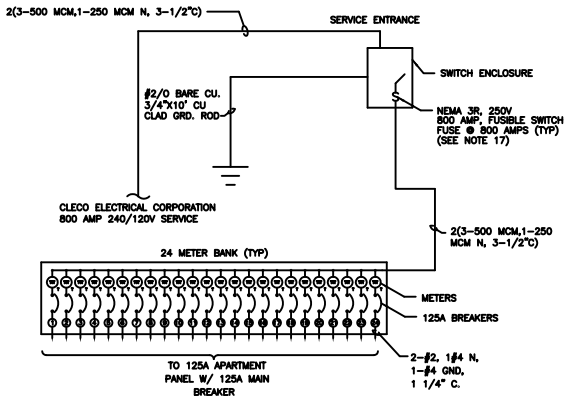
1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE, AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE 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 CHANGES 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. MINIMUM SIZE CONDUIT SHALL BE 3/4" EMT FOR INTERIOR USE, AND 3/4" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE NMC CABLE COPPER, FOR LIGHTS & RECEPTACLE CIRCUITS. EXTERIOR FITTINGS SHALL BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES.
13. CONTRACTOR SHALL INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
14. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
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. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.



ELECTRICAL RISER DIAGRAM

N.T.S.

NOTE!
THIS RISER DIAGRAM IS TYPICAL FOR BUILDINGS 1–4 AS INDICATED ON THE SITE PLAN (SHEET C–1)



ELECTRICAL RISER DIAGRAM

N.T.S.

NOTE!
THIS RISER DIAGRAM IS TYPICAL FOR BUILDINGS 5&6 AS INDICATED ON THE SITE PLAN (SHEET C–1)

LEGEND

- SD – SMOKE DETECTOR
- – POWER PANEL
- $ – SWITCH
- T – THERMOSTAT
- – DUPLEX RECEPTACLE 20A, 120V
- J – JUNCTION BOX
- – DISCONNECT
- GFI – GFI RECEPTACLE
- – TELEPHONE/COMPUTER
- VENT – RESTROOM FIXTURE (HEAT/LIGHT/VENT)
- – CEILING FAN/LIGHT
- – HOLLYWOOD LIGHT
- – WASHER/DRYER HOOK–UP
- – LIGHT (VERIFY TYPE)
- – LIGHT (PULL CHAIN)
- – PORCH LIGHT

TYPICAL RENT UNIT PANEL

PANEL: 125A; 125AMP MAIN BREAKER
LOCATION: CLOSET
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)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	CKT. NO.
1	FURNACE BLOWER (3KW)	40	2	–		–	1	20	MICROWAVE RECEPTACLE	2
3						–	1	20	BATHROOM GFI RECPT.	4
5	BEDROOM RECPT. WITH ARC FAULT BREAKER	20	1	–		–	1	20	LIVING ROOM RECPT. WITH ARC FAULT	6
7	BATHROOM H/L/V, VANITY LIGHT CLOSET LIGHT, A/C LIGHT	20	1	–		–	1	20	KITCHEN, LIVING, BEDROOM & PORCH LIGHTING–WITH ARK FAULT	8
9	KITCHEN GFI RECPT.	20	1	–		–	2	30	HOT WATER HEATER	10
11	DISHWASHER	20	1	–						12
13	WASHER/DRYER	30	2	–		–	–	20	REFRIGERATOR RECEPTACLE	14
15						–	–	–	SPARE	16
17	RANGE	50	2	–		–	–	–	SPARE	18
19						–	–	–	SPARE	20
21	A/C COMPRESSOR W/DISCONNECT	40	2	–		–	–	–	SPARE	22
23						–	–	–	SPARE	24

SOLID NEUTRAL NEUTRAL WIRE (W) — TOTAL CONNECTED LOAD (VA): A@= B@= — GROUND BUS GROUND WIRE (G)

10,000 AMPERES AISC

ELECTRICAL PLAN

BRIAN RIENE
JOSEPH STREET
SLIDELL, LOUISIANA

SUN VALLEY APARTMENTS PHASE 2

DAMMON ENGINEERING. INC.
1095 FLORIDA AVENUE 985-649-5532 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO.1697
DATE:01–06–06
SHEET 24

E – 1

OF 27