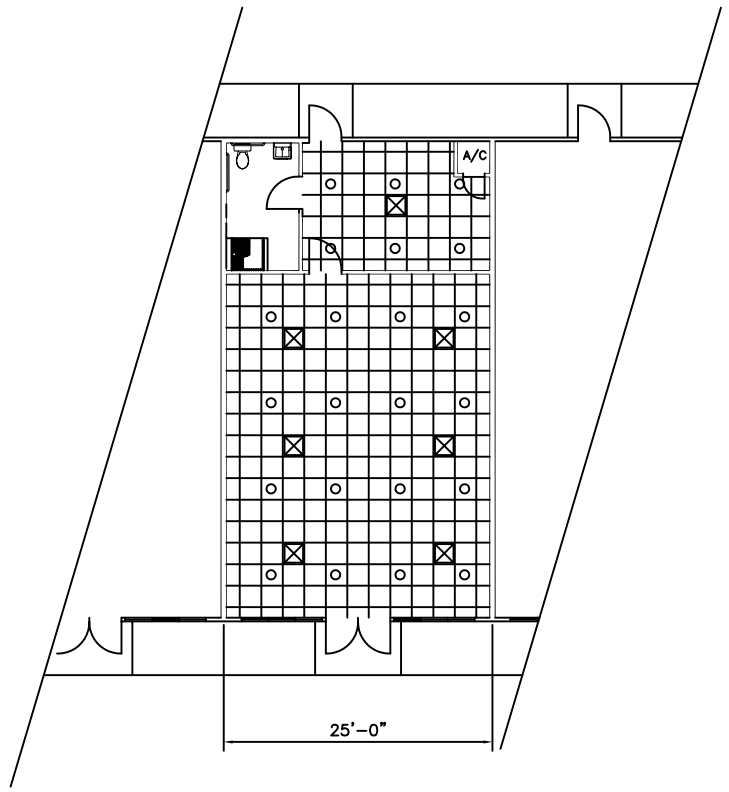
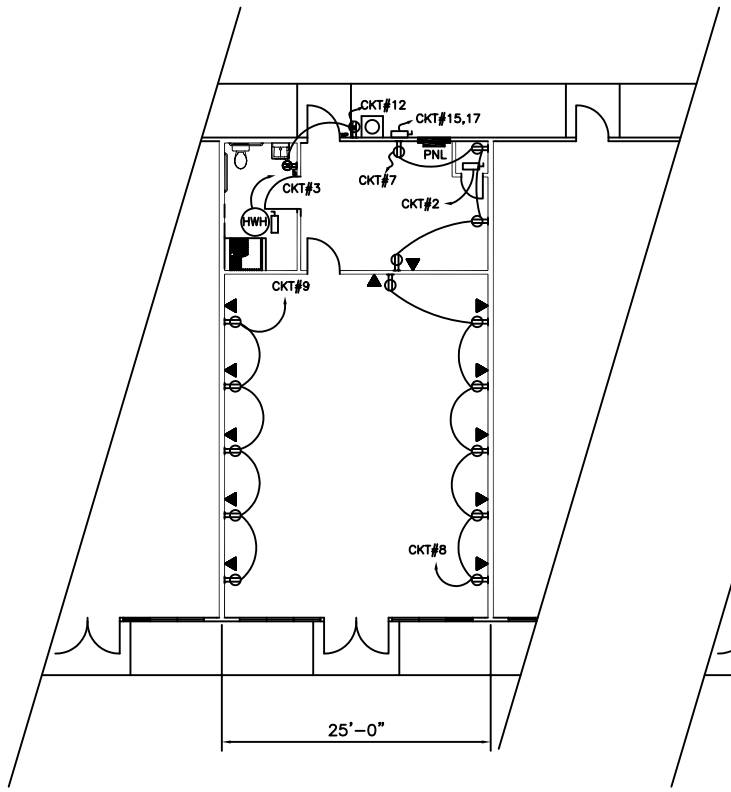
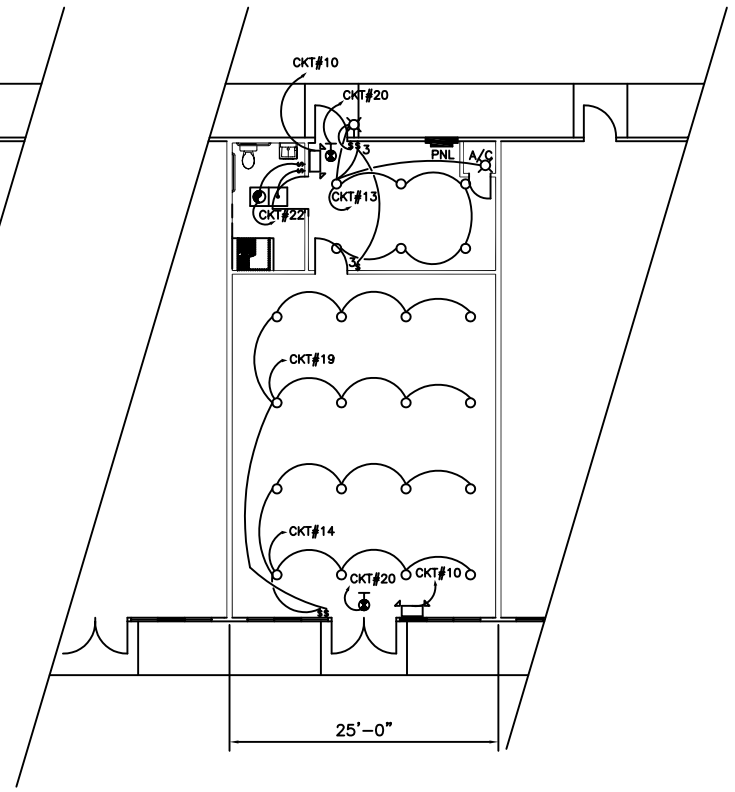


REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"



POWER PLAN
SCALE: 1/8"=1'-0"



LIGHTING PLAN
SCALE: 1/8"=1'-0"

PANEL: PL-1
LOCATION: REAR WALL
FEEDER SOURCE: CLECO

VOLTAGE: 240/120V, 150A 1ø, 3W
ENCLOSURE: FLUSH MOUNTED W/EQUIPMENT GRND BAR
150A, MB

CKT NO.	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	CKT NO.
1	SPARE	20	1	–		5000	2	60	HEATER 10KW	2
3	WATER HEATER	30	2	2500		5000				4
5				2500		720	2	20	GFI OUTLETS	6
7	SPARE	20	1	–		200	1	20	FRONT ROOM OUTLETS	8
9	FRONT ROOM OUTLETS	20	1	800		400	1	20	EMERGENCY LIGHTS	10
11	LIGHTS & TOILET VENT/LIGHT	20	1	400		1440	1	20	BATHROOM OUTLETS	12
13	REAR ROOM LIGHTS	20	1	800		800	1	20	FRONT ROOM LIGHTS	14
15	A/C UNIT R.B. SWITCH	50	2	10000		–	1	20	SPARE	16
17	3-1/2 TONS					–	1	20	SPARE	18
19	FRONT RM LIGHTS	20	1	800		800	1	20	EXIT LIGHTS	20
21	SPARE	20	1	–		800	1	20	BATHROOM LIGHTS	22
23	SPARE	20	1	–		–	1	20	SPARE	24
25	SPARE	20	1	–		–	1	20	SPARE	26
27	SPARE	20	1	–		–	–	–	SPACE	28
29	SPARE	20	1	–		–	–	–	SPACE	30
31	SPACE	–	–	–		–	–	–	SPACE	32
33	SPACE	–	–	–		–	–	–	SPACE	34
35	SPACE	–	–	–		–	–	–	SPACE	36
37	SPACE	–	–	–		–	–	–	SPACE	38
39	SPACE	–	–	–		–	–	–	SPACE	40
41	SPACE	–	–	–		–	–	–	SPACE	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A 16,020 | B 16,140

GROUND BUS
GROUND WIRE (G)

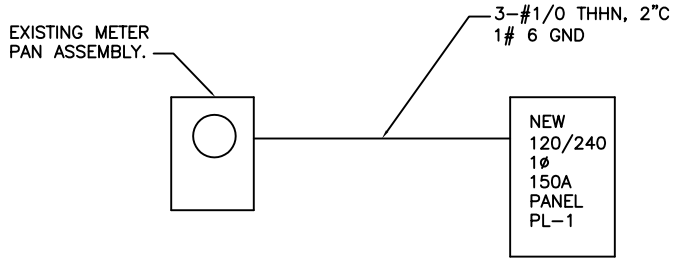
= 32160 / 240 = 134A

LEGEND

- O – CAN LIGHT FIXTURE
- – EXIT LIGHT w/90 MIN. BATTERY BACK-UP
- – DUPLEX RECEPTACLE
- – GROUND-FAULT INTERRUPTER RECEPTACLE
- – WEATHERPROOF RECEPTACLE
- – 220 VOLT OUTLET
- $ – SWITCH
- $3 – 3 WAY SWITCH
- – EMERGENCY LIGHT w/90 MIN. BATTERY BACK-UP
- – LIGHT W/PULL CHAIN
- – WALL MOUNTED LIGHT
- – VENT/LIGHT
- – POWER PANEL
- – DISCONNECT SWITCH
- (HWH) – HOT WATER HEATER WITH DISCONNECT
- – SUPPLY AIR
- – A/C UNIT
- – TELEPHONE / COMPUTER

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 LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
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. M-2 MC MAY BE USED FOR LIGHTING WHIPS.
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 ¾" EMT FOR INTERIOR USE, AND ¾" RIGID ALUMINUM FOR EXTERIOR USE. USE TYPE NMC CABLE COPPER, FOR LIGHTS AND 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 WATERPROOF.
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.
18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL.
19. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
20. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS 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.)



ELECTRICAL RISER DIAGRAM
NTS

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INVESTIGATION
EXPERT WITNESS

CASEY
CIVIL
-
-

1080
OLD SPANISH TRAIL
SUITE #8
SLIDELL, LA.
70458

ELECTRICAL PLAN

REV:

SCALE: AS NOTED
JOB#:1922
DATE: 01-09-08
SHEET

E-1

OF