PANEL: A
LOCATION: SHOP
FEEDER SOURCE: FROM EXISTING PANEL

VOLTAGE: 120/240V, 400A 1ø, 3W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GRND BAR
200A, MLO
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø	B ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	CKT. NO.
1	WALL MOUNT EXTERIOR LIGHTS	20	1	200			300	1	20	EXIT LIGHTS	2
3	EMERGENCY LIGHTS	20	1	300			1600	1	20	SPARE	4
5	SPARE	20	1	1600			1600	1	20	SPARE	6
7	SPARE	20	1	1600			400	1	20	FLOURESCENT LIGHTS	8
9	SPARE	–	–	–			–	–	–	SPARE	10
11	SPARE	–	–	–			–	–	–	SPARE	12
13	SPARE	–	–	–			–	–	–	SPARE	14
15	SPARE	–	–	–			–	–	–	SPARE	16
17	SPARE	–	–	–			–	–	–	SPARE	18
19	SPARE	–	–	–			–	–	–	SPARE	20
21	SPARE	–	–	–			–	–	–	SPARE	22
23	SPARE	–	–	–			–	–	–	SPARE	24
25	SPARE	–	–	–			–	–	–	SPARE	26
27	SPARE	–	–	–			–	–	–	SPARE	28
29	SPARE	–	–	–			–	–	–	SPARE	30
31	SPARE	–	–	–			–	–	–	SPARE	32
33	SPARE	–	–	–			–	–	–	SPARE	34
35	SPARE	–	–	–			–	–	–	SPARE	36
37	SPARE	–	–	–			45,000	2	200	TO PNL B	38
39	SPARE	–	–	–							40

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA): 48,700 | 48,900

GROUND BUS
GROUND WIRE (G)

PANEL: B
LOCATION: SHOP
FEEDER SOURCE: CLECO

VOLTAGE: 120/240V, 200A 1ø, 3W
ENCLOSURE: SURFACE MOUNTED W/EQUIPMENT GRND BAR
200A, MLO
SQUARE D TYPE QO LOAD CENTER

CKT. NO.	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø	B ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	CKT. NO.
1	REFRIGERATOR OUTLET	20	1	180			100	1	20	EXIT LIGHTS	2
3	BATHROOM EXHAUST FAN/LIGHT	20	1	180			100	1	20	EMERGENCY LIGHT/SMOKE DECTOR	4
5	EXTERIOR LIGHTS	20	1	180			600	1	20	FLOURESCENT LIGHTS	6
7	GFCI OUTLETS	20	1	300			1080	1	20	BATH/KITCHEN/HALL OUTLETS	8
9	15 GAL. HOT WATER HEATER	20	1	1800			–	1	20	SPACE	10
11	SPARE	30	1	–			7000	2	30	A/C WALL UNIT	12
13	SPARE	20	1	–							14
15	SPARE	20	1	–			180	1	20	EXTERIOR GFCI OUTLET	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
25	SPARE	20	1	–			–	1	20	SPARE	26
27	SPARE	20	1	–			–	1	20	SPARE	28
29	SPARE	20	1	–			–	1	20	SPARE	30
31	SPARE	20	1	–			–	1	20	SPARE	32
33	SPARE	20	1	–			–	1	20	SPARE	34
35	SPARE	20	1	–			–	1	20	SPARE	36
37	SPARE	20	1	–			–	1	20	SPARE	38
39	SPARE	20	1	–			–	1	20	SPARE	40

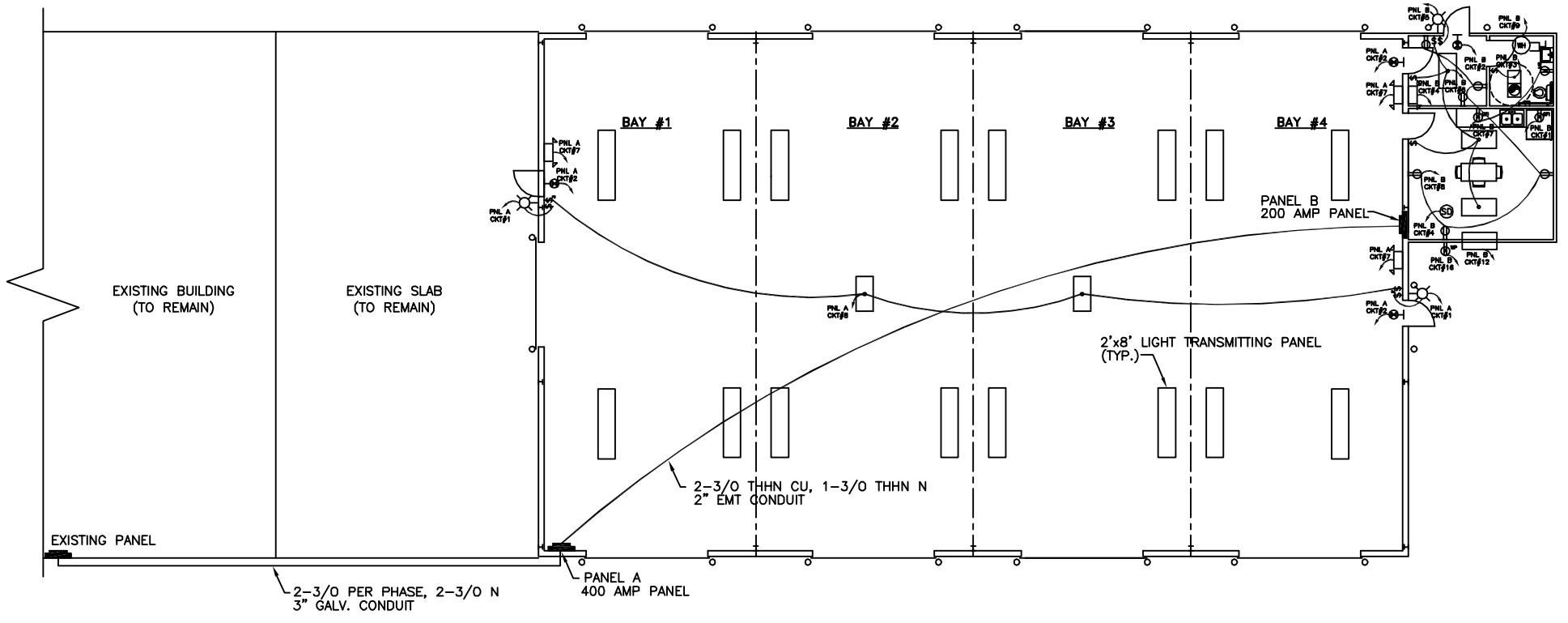
SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA): 9860 | 8840

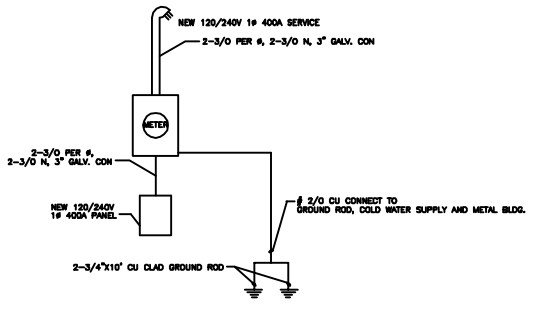
GROUND BUS
GROUND WIRE (G)

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.
18. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION & ALARM COMPANY TO DESIGN & 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 & 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.)



ELECTRICAL PLAN
SCALE: 1/8"=1'–0"



ALTERNATE ONE LINE DIAGRAM
N.T.S.

LEGEND

- 2x4 FLUORESCENT FIXTURE 4T/F40/C.W.
- VENT/LIGHT
- EXIT LIGHT W/90 MINUTE BACKUP
- EMERGENCY LIGHT W/90 MINUTE BACKUP
- WH – HOT WATER HEATER WITH DISCONNECT SWITCH
- S – SWITCH
- 4 PLEX RECEPTACLE
- 20A RECEPTACLE
- GFI RECEPTACLE
- WP – WEATHERPROOF OUTLET
- POWER PANEL
- WALL MOUNTED EXTERIOR LIGHT W/90 MINUTE BACKUP
- 2'x8' LIGHT TRANSMITTING PANELS

BAYOU TRUCK AND TRAILER

ELECTRICAL PLAN

CHARLIE MAXWELL
2528 OLD SPANISH TRAIL
SLIDELL, LOUISIANA

DAMMON ENGINEERING. INC.
1095 FLORIDA AVENUE 985-649-5832 SLIDELL, LA. 70458
DAMMONENGINEERING.COM

SCALE:AS NOTED
FILE:
JOB NO.
DATE:03–14–07
SHEET
E–1
OF