PANEL SCHEDULE

PANEL: P1
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120V, SINGLE PHASE, N 200A MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR MURRAY TYPE LC LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		AIR CONDITIONER	60	2	5000	5000	2	60	HEAT		2
3					5000	5000					4
5		RECEPT	20	1	500	5000	2	60	HEAT		6
7		RECEPT	20	1	500	5000					8
9		RECEPT	20	1	500	200	1	20	EMER LIGHT		10
11		RECEPT	20	1	500	500	1	20	LIGHT		12
13		REFRIG	20	1	500	500	1	20	LIGHT		14
15		LIGHTS	20	1	500	500	1	20	LIGHT		16
17		LIGHTS	20	1	500	500	1	20	LIGHT		18
19		LIGHTS	20	1	500	500	1	20	RECEPT		20
21		ORCA 64	40	2	3500	500	1	20	RECEPT		22
23					3500	500	1	20	LIGHT		24
25		100KW BATTERY CHARGER	15	1	1000	500	1	20	15T.		26
27		OFF 2 PANEL	60	2	3000	500	2	20	WATER HEATER		28
29					3000	500					30
31											32

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 59,200

AΦ = 27,200 | BΦ = 21,000

GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P2
LOCATION: ELECTRICAL CLOSET
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120V, SINGLE PHASE, N 200A MCB
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR MURRAY TYPE LC LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		AIR COMP	60	2	5000	5000	2	60	WELDER		2
3					5000	5000					4
5		DISCONNECT COMP.	50	2	4000	500	1	20	RECEPT		6
7					4000	500	1	20	RECEPT		8
9		RECEPT	20	1	500	500	1	20	E. WALL PRINTER		10
11		SHOP LIGHT	20	1	500	500	1	20	LASER VENT FAN		12
13		LIGHT	20	1	500	500	1	20	RECEPT		14
15		SPARE	20	1	0	1000	1	20	HOT WATER		16
17		RECEPT	20	1	500	5000	2	60	AHU		18
19		SUB PANEL ON THE WALL TO THE LEFT	50	2	2000	5000					20
21					2000	500	1	20	EXHAUST FAN		22
23		WARE HOUSE DOOR	20	1	500	0	2	20	TV55		24
25		ROLAND PRINT MACHINE	30	1	500	0					26
27		BUCK BOOST TRANSFORMERS ON RIGHT	40	2	3000	3000	2	40	UNKNOWN		28
29					3000	3000					30
31											32

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 60,100

AΦ = 31,000 | BΦ = 30,000

GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: PP3
LOCATION: WEST WALL CENTER
FEEDER SOURCE: UTILITY
VOLTAGE: 408/120V, 200A 3Φ, 4W W/MLO
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1		A/C	60	3	3500	3500	3	60	A/C		2
3					3500	3500					4
5					3500	500	3	20	CORD REELS		6
7		SPACE				3000	3	50	WELDER		8
9		HIGH LEG				3000					10
11		FILM LAM	40	3	2000				SPACE		12
13					2000				HIGH LEG		14
15		HIGH LEG							SPACE		16
17		COMP	60	3	2000				SPACE		18
19					2000				HIGH LEG		20
21					2000				SPACE		22
23		DRYER	20	1	500				HIGH LEG		24
25		GFI	20	1	500	500	1	20	LIGHTS		26
27		HIGH LEG							HIGH LEG		28
29		GFI	20	1	500	500	1	20	LIGHTS		30
31		OUTSIDE LIGHTS	20	1	500	500	1	20	LIGHTS		32
33		HIGH LEG							HIGH LEG		34
35		GFI / EMER	20	1	500	200	1	20	DOOR OPENER		36
37		GFI	20	1	500		1	20	SPARE		38
39		HIGH LEG							HIGH LEG		40
41		DOOR OPENER	20	1	200		1	20	SPARE		42

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) =42,200

AΦ = 14,000 | BΦ = 12,000 | CΦ = 16,200

GROUND BUS GROUND WIRE (G)

EXISTING PANELS

PANEL SCHEDULE

PANEL: P4
LOCATION: WEST WALL, NORTH
FEEDER SOURCE: DISCONNECT SWITCH IN ELECTRICAL CLOSET
VOLTAGE: 240/120, 100A, SINGLE PHASE, W/ MLO
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#12	LIGHTS	20	1	700	1080	1	20	RECEPTACLES ROOM TO THE NORTH	#12	2
3	#12	LIGHTS AND EXHAUST FAN RESTROOM	20	1	300	1440	1	20	RECEPTACLES THIS ROOM AND OUTSIDE NEAR A/C UNIT	#12	4
5	#12	MS-1, MINI SPLIT, NORTH END	50	1	2200		1	20	SPARE		6
7					2200		1	20	SPARE		8
9		SPACE							SPACE		10
11		SPACE							SPACE		12

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 7920

AΦ = 3,980 | BΦ = 3,940

GROUND BUS GROUND WIRE (G)

PANEL SCHEDULE

PANEL: P5
LOCATION: NEW WAREHOUSE
FEEDER SOURCE: UTILITY
VOLTAGE: 240/120, 100A, SINGLE PHASE, W/ MLO
ENCLOSURE: SURFACE MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT NO
1	#10	HVAC / FURNACE-1	30	1	1800	1400	1	20	EVAPORATOR-1	#12	2
3					1800	1400					4
5	#10	HVAC / FURNACE-2	20	1	1800	1400	1	20	EVAPORATOR-1	#12	6
7					1800	1400					8
9	#12	RECEPTCLES WEST SIDE	20	1	1080						10
11	#12	RECEPTACLES EAST SIDE	20	1	1080						12
13	#12	LIGHTS, INTERIOR	20	1	400						14
15	#12	LIGHTS, EXTERIOR	20	1	400						16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32

SOLID NEUTRAL NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) =15,780

AΦ = 7,880 | BΦ = 7,880

GROUND BUS GROUND WIRE (G)

NEW PANELS

31 SCHEDULES
SCALE: N.T.S.

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
Chief Engineer: Brian Mistich, PE

REVISIONS
DATE
DESCRIPTION

SEAL:

NEW WAREHOUSE
SEC-SPECIALITY
ENHANCED
IMAGING
428 SOUTH STREET
SLIDELL, LA 70460

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES, SECOND FLOOR

DRAWING NUMBER:
E104

SHEET No: 14 of