PANEL: MDP
LOCATION: ELECT. RM 128
FEEDER SOURCE:

VOLTAGE: 120/208V, 600A 3ø, 4W
M.C.B., S/N SURFACE MOUNTED, 22,000 A.I.C.

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø B ø C ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1					13830		20450					2
3	4–#1	PANEL 'LA'	150	3	13830		20450	3	150	PANEL 'RA'	4–#1	4
5					13830		20450					6
7					10030		34000					8
9	4–#1	PANEL 'KP'	150	3	10030		34000	3	400	PANEL 'AC'	3–500 MCM	10
11					10030		34000					12
13					1940		1730					14
15	#10	SEWER LIFT STATION	30	3	1940		1730	3	30	SEWER TREATMENT PLANT	#10	16
17					1940		1730					18
19					2100		2100					20
21	#12	PTAC–1	20	2	2100		2100	2	20	PTAC–2	#12	22
23					2100		2100					24
25	#12	PTAC–3	20	2	2100		2100	2	20	PTAC–4	#12	26
27					2100		1200	1	20	SPARE	#12	28
29	#12	PTAC–5	20	2	2100		1200	1	20	SPARE	#12	30
31	.	BLANK	–	–	–		1200	1	20	SPARE	#12	32
33	.	BLANK	–	–	–		–	–	–	BLANK	.	34
35	.	BLANK	–	–	–		–	–	–	BLANK	.	36
37	.	BLANK	–	–	–		–	–	–	BLANK	.	38
39	.	BLANK	–	–	–		–	–	–	BLANK	.	40
41	.	BLANK	–	–	–		–	–	–	BLANK	.	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A ø=91580 | B ø=90380 | C ø=90380

GROUND BUS
GROUND WIRE (G)

PANEL: LA
LOCATION: ELECT. RM 128
FEEDER SOURCE: MDP

VOLTAGE: 120/208V, 150A 3ø, 4W
M.L.O., S/N SURFACE MOUNTED, 22,000 A.I.C.

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø B ø C ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	LIGHTING – RM 112	20	1	2000		2000	1	20	LIGHTING – RM 103	#12	2
3	#12	LIGHTING – RM 112	20	1	2000		2000	1	20	LIGHTING – RM 103	#12	4
5	#12	LIGHTING – RM 112	20	1	2000		2000	1	20	LIGHTING – RM 106	#12	6
7	#12	LIGHTING–RM 115/116/117/129	20	1	2000		1500	1	20	LIGHTING – RM 101 & DROPOFF	#12	8
9	#12	LIGHTING – RM 104/105	20	1	2000		1400	1	20	LIGHTING – RM 107	#12	10
11	#12	LIGHTING – RM 111	20	1	2000		1800	1	20	LIGHTING – EXIT & EMERGENCY	#12	12
13	.	BLANK	–	–	–		3100	2	30	SITE LIGHTING	#10	14
15	.	BLANK	–	–	–		3100					16
17	#12	LIGHTING – RM 118/119	20	1	1000		1000	1	20	LIGHTING – RM 112	#12	18
19	#12	SPARE	20	1	1200		1000	1	20	LIGHTING – RM 112	#12	20
21	#12	SPARE	20	1	1200		1000	1	20	LIGHTING – RM 112	#12	22
23	#12	LIGHTING–RM 108/109/110/128	20	1	1700		1400	1	20	LIGHTING–RM 113/114/120/127	#12	24
25	.	BLANK	–	–	–		–	–	–	BLANK	.	26
27	.	BLANK	–	–	–		–	–	–	BLANK	.	28
29	.	BLANK	–	–	–		–	–	–	BLANK	.	30

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A ø=14500 | B ø=14100 | C ø=12900

GROUND BUS
GROUND WIRE (G)

PANEL: RA
LOCATION: ELECT. RM 128
FEEDER SOURCE: MDP

VOLTAGE: 120/208V, 150A 3ø, 4W
M.L.O., S/N SURFACE MOUNTED, 22,000 A.I.C.

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø B ø C ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	RECEPTACLES – RM 104	20	1	1000		1000	1	20	RECEPTACLES – RM 106	#12	2
3	#12	RECEPTACLES – RM 105	20	1	1250		1200	1	20	RECEPTACLES – RM 106	#12	4
5	#12	RECEPTACLES – RM 103	20	1	1200		1000	1	20	RECEPTACLES – RM 108	#12	6
7	#12	RECEPTACLES – RM 107	20	1	1000		800	1	20	RECEPTACLES – RM 108	#12	8
9	#12	RECEPTACLES – RM 107	20	1	1000		1000	1	20	RECEPTACLES – RM 127	#12	10
11	#12	RECEPTACLES – RM 103	20	1	600		1800	1	20	RECEPTACLES – RM 102/103	#12	12
13	#12	SPARE	20	1	1000		1800	1	20	RECEPTACLES – RM 103	#12	14
15	#12	SPARE	20	1	1000		500	1	20	RECEPTACLES – RM 115 WATER	#12	16
17	#12	RECEPTACLES – RM 118	20	1	1000		1000	1	20	RECEPTACLES – RM 119	#12	18
19	#12	RECEPTACLES – RM 100/101	20	1	800		1200	1	20	TELEPHONE BOARD	#12	20
21	#12	TEL/PWR POLE	20	1	2000		2000	1	20	TEL/PWR POLE	#12	22
23	#12	TEL/PWR POLE	20	1	2000		2000	1	20	TEL/PWR POLE	#12	24
25	#8	EWH1	40	2	3700		7300	3	75	EWH2	#6	26
27					3700		7300					28
29	#12	RECEPTACLES – RM 103 WATER	20	1	500		7300					30
31	#12	RECEPTACLES – RM 120	20	1	1000		1200	1	20	SPARE	#12	32
33	#12	RECEPTACLES – RM 112	20	1	1800		1800	1	20	RECEPTACLES – RM 112/115	#12	34
35	.	BLANK	–	–	–		–	–	–	BLANK	.	36
37	.	BLANK	–	–	–		–	–	–	BLANK	.	38
39	.	BLANK	–	–	–		–	–	–	BLANK	.	40
41	.	BLANK	–	–	–		–	–	–	BLANK	.	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A ø=20400 | B ø=21950 | C ø=19000

GROUND BUS
GROUND WIRE (G)

PANEL: 'KP'
LOCATION: SOUTHSIDE KITCHEN WALL
FEEDER SOURCE: MDP

VOLTAGE: 120/208V, 150A 3ø, 4W
M.L.O., S/N SURFACE MOUNTED, 22,000 A.I.C.

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø B ø C ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1	#12	RECEPTACLES – KITCHEN	20	1	1500		1500	1	20	RECEPTACLES – KITCHEN	#12	2
3	#12	RECEPTACLES – KITCHEN	20	1	1500		1500	1	20	RECEPTACLES – KITCHEN	#12	4
5	#12	RECEPTACLES – KITCHEN	20	1	1500		1500	1	20	RECEPTACLES – KITCHEN	#12	6
7	#12	RECEPTACLES – KITCHEN	20	1	1500		1400	1	20	ICE MAKER	#12	8
9	#12	U/C REFRIGERATOR	20	1	1200		4000	2	50	RANGE	#8	10
11	#12	FREEZER	20	1	1600		4000					12
13	#10	WASHER / DRYER	30	2	2500		1200	1	20	SPARE	#12	14
15					2500		1200	1	20	SPARE	#12	16
17	.	BLANK	–	–	–		–	–	–	BLANK	.	18
19	.	BLANK	–	–	–		–	–	–	BLANK	.	20
21	.	BLANK	–	–	–		–	–	–	BLANK	.	22
23	.	BLANK	–	–	–		–	–	–	BLANK	.	24
25	.	BLANK	–	–	–		–	–	–	BLANK	.	26
27	.	BLANK	–	–	–		–	–	–	BLANK	.	28
29	.	BLANK	–	–	–		–	–	–	BLANK	.	30

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A ø=9600 | B ø=11900 | C ø=8600

GROUND BUS
GROUND WIRE (G)

PANEL: AC
LOCATION: EXTERIOR EAST WALL
FEEDER SOURCE: MDP

VOLTAGE: 120/208V, 400A 3ø, 4W, MLO NEMA 3R
S/N SURFACE MOUNTED, 22,000 A.I.C.

CKT. NO.	THHN WIRE SIZE	LOAD DESCRIPTION LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)	A ø B ø C ø	LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION LOCATION	THHN WIRE SIZE	CKT. NO.
1					4000		8665					2
3	#8	AHU–1: 12 KW ELEC. HEAT	50	3	4000		8665	3	80	AHU–2: 26KW ELEC. HEAT	#5	4
5					4000		8665					6
7					8665		8665					8
9	#5	AHU–4: 26K ELEC. HEAT	80	3	8665		8665	3	80	AHU–3: 26KW ELEC. HEAT	#5	10
11					8665		8665					12
13					1800		4000					14
15	#8	A/C #1 COMPRESSOR	40	3	1800		4000	3	50	AHU–5: 12KW ELEC. HEAT	#8	16
17					1800		4000					18
19					4200		4200					20
21	#6	A/C #2 COMPRESSOR 'A & B'	60	3	4200		4200	3	60	A/C #3 COMPRESSOR 'A & B'	#6	22
23					4200		4200					24
25					4200		2000					26
27	#6	A/C #4 COMPRESSOR 'A & B'	60	3	4200		2000	3	40	A/C #5 COMPRESSOR	#8	28
29					4200		2000					30
31	#12	SPARE	20	1	1200		1200	1	20	SPARE	#12	32
33	#12	SPARE	20	1	1200		–	–	–	BLANK	.	34
35	.	BLANK	–	–	–		–	–	–	BLANK	.	36
37	.	BLANK	–	–	–		–	–	–	BLANK	.	38
39	.	BLANK	–	–	–		–	–	–	BLANK	.	40
41	.	BLANK	–	–	–		–	–	–	BLANK	.	42

SOLID NEUTRAL
NEUTRAL WIRE (W)

TOTAL CONNECTED LOAD (VA)
A ø=39995 | B ø=39995 | C ø=39995

GROUND BUS
GROUND WIRE (G)

DAMMON
ENGINEERING, INC.

CHIEF ENGINEER
EMMETT
DAMMON, P.E.

CHIEF ARCHITECT
ROBERT
WILTSE

1095 FLORIDA AVENUE
SLIDELL, LA. 70458
OFFICE: 985-649-5832
FAX: 985-641-5950

WEBSITE:
WWW.DAMMONENGINEERING.COM

EMAIL:
DAMMONENG@BELLSOUTH.NET

ARCHITECTURE

ENGINEERING

STUDIES

PLANNING

INVESTIGATION

EXPERT WITNESS

NEW OFFICE COMPLEX

CHILD DEVELOPMENT COUNCIL OF ACADIANA, INC.
OPELOUSAS, LA

ELECT. PANEL SCHEDULES

REV: 12-7-09 CONST.

SCALE: AS NOTED

JOB#: 2030

DATE: 10-19-09

SHEET 24

E-4

OF 26