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ARCHITECTURE
ENGINEERING
STUDIES
PLANNING
INVESTIGATION
EXPERT WITNESSES

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

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

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

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	THIN WIRE SIZE	CKT. NO.
1	#12	RECEPTACLES - RM 104	20 1	1000	#12	2
3	#12	RECEPTACLES - RM 105	20 1	1250	#12	4
5	#12	RECEPTACLES - RM 103	20 1	1200	#12	6
7	#12	RECEPTACLES - RM 107	20 1	1000	#12	8
9	#12	RECEPTACLES - RM 107	20 1	1000	#12	10
11	#12	RECEPTACLES - RM 103	20 1	600	#12	12
13	#12	SPARE	20 1	1000	#12	14
15	#12	SPARE	20 1	1000	#12	16
17	#12	RECEPTACLES - RM 118	20 1	1000	#12	18
19	#12	RECEPTACLES - RM 100/101	20 1	800	#12	20
21	#12	TEL./PWR POLE	20 1	2000	#12	22
23	#12	TEL./PWR POLE	20 1	2000	#12	24
25	#8	EMH1	40 2	3700	#6	26
27	#8	EMH1	40 2	3700	#6	28
29	#12	RECEPTACLES - RM 103 WATER	20 1	500	#12	30
31	#12	RECEPTACLES - RM 120	20 1	1000	#12	32
33	#12	RECEPTACLES - RM 112	20 1	1800	#12	34
35	.	BLANK	-	-	.	36
37	.	BLANK	-	-	.	38
39	.	BLANK	-	-	.	40
41	.	BLANK	-	-	.	42

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)

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

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

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	THIN WIRE SIZE	CKT. NO.
1	#12	LIGHTING - RM 112	20 1	2000	#12	2
3	#12	LIGHTING - RM 112	20 1	2000	#12	4
5	#12	LIGHTING - RM 112	20 1	2000	#12	6
7	#12	LIGHTING - RM 115/116/117/129	20 1	2000	#12	8
9	#12	LIGHTING - RM 104/105	20 1	2000	#12	10
11	#12	LIGHTING - RM 111	20 1	2000	#12	12
13	.	BLANK	-	-	.	14
15	.	BLANK	-	-	.	16
17	#12	LIGHTING - RM 119/119	20 1	1000	#12	18
19	#12	SPARE	20 1	1200	#12	20
21	#12	SPARE	20 1	1200	#12	22
23	#12	LIGHTING - RM 109/109/110/128	20 1	1700	#12	24
25	.	BLANK	-	-	.	26
27	.	BLANK	-	-	.	28
29	.	BLANK	-	-	.	30

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)

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

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

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	THIN WIRE SIZE	CKT. NO.
1	4-#1	PANEL 1A	150 3	13830	4-#1	2
3	4-#1	PANEL 1A	150 3	13830	4-#1	4
5	4-#1	PANEL 1A	150 3	13830	4-#1	6
7	4-#1	PANEL 1A	150 3	13830	4-#1	8
9	4-#1	PANEL 1A	150 3	13830	4-#1	10
11	4-#1	PANEL 1A	150 3	13830	4-#1	12
13	#10	SEWER LIFT STATION	30 3	1940	#10	14
15	#10	SEWER LIFT STATION	30 3	1940	#10	16
17	#12	PANEL 1	20 2	2100	#12	18
19	#12	PANEL 1	20 2	2100	#12	20
21	#12	PANEL 1	20 2	2100	#12	22
23	#12	PANEL 3	20 2	2100	#12	24
25	#12	PANEL 3	20 2	2100	#12	26
27	#12	PANEL 3	20 2	2100	#12	28
29	#12	PANEL 3	20 2	2100	#12	30
31	.	BLANK	-	-	.	32
33	.	BLANK	-	-	.	34
35	.	BLANK	-	-	.	36
37	.	BLANK	-	-	.	38
39	.	BLANK	-	-	.	40
41	.	BLANK	-	-	.	42

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)

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

VOLTAGE: 120/208V, 400A 3φ, 4W, M.L.O. NEMA 3R
S/N SURFACE MOUNTED, 22,000 A.I.C.

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

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)

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

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

CKT. NO.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	THIN WIRE SIZE	CKT. NO.
1	#12	RECEPTACLES - KITCHEN	20 1	1500	#12	2
3	#12	RECEPTACLES - KITCHEN	20 1	1500	#12	4
5	#12	RECEPTACLES - KITCHEN	20 1	1500	#12	6
7	#12	RECEPTACLES - KITCHEN	20 1	1500	#12	8
9	#12	U/C REFRIGERATOR	20 1	1200	#12	10
11	#12	FREEZER	20 1	1600	#9	12
13	#10	WASHER / DRYER	30 2	2500	#12	14
15	.	BLANK	-	-	.	16
17	.	BLANK	-	-	.	18
19	.	BLANK	-	-	.	20
21	.	BLANK	-	-	.	22
23	.	BLANK	-	-	.	24
25	.	BLANK	-	-	.	26
27	.	BLANK	-	-	.	28
29	.	BLANK	-	-	.	30

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)

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

VOLTAGE: 120/208V, 400A 3φ, 4W, M.L.O. NEMA 3R
S/N SURFACE MOUNTED, 22,000 A.I.C.

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

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)

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

VOLTAGE: 120/208V, 400A 3φ, 4W, M.L.O. NEMA 3R
S/N SURFACE MOUNTED, 22,000 A.I.C.

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

TOTAL CONNECTED LOAD (VA) GROUND BUS GROUND WIRE (G)