

Name: A1

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 125 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: _____
 FLUSH MTD: X

1 PHASE
 3 WIRE
 X 208Y/120V
 480Y/277V
 240/120V

C K T N O T E S	IDENTIFICATION	LOAD/PHASE (KVA)		CIRCUIT BREAKER				LOAD/PHASE (KVA)		IDENTIFICATION	C K T N O T E S
		A	B	TRIP	POLES	POLES	TRIP	A	B		
1	SMALL APPLIANCE - KITCHEN	1.5		20	1	1	20	1.5		WASHER	2
3	SMALL APPLIANCE - KITCHEN		1.5	20	1	2	30		2.5	DRYER	4
5	RANGE	4.0		50	2	-	-	2.5		---	6
7	---		4.0	-	-	1	20		1.4	BEDROOM LTG. AND RECEPT.	8
9	LTG. RECEPT. - ENTRY, KITCH.	1.0		20	1	1	20	0.4		LTG. RECEPT. - EXTERIOR	10
11	DISHWASHER/DISPOSAL		1.5	20	1	1	20		1.0	MICROWAVE HOOD	12
13	RECEPT. - LIVING	1.2		20	1	2	30	2.4		WH-A	14
15	BATHROOM RECEPT.		0.2	20	1	-	-		2.4	---	16
17	LTG. EXHAUST FAN - BTHRM	0.4		20	1	2	25	2.4		AHU-A	18
19	SPACE ONLY		---	-	1	-	-		2.4	---	20
21	HPU-A	1.2		20	2	1	20	0.4		LTG. RECEPT. - DINING	22
23	---		1.2	-	-	1	-		-	SPACE ONLY	24
25	REFRIGERATOR	1.0		20	1	1	-		-	SPACE ONLY	26
27	SPARE			20	1	1	-		-	SPACE ONLY	28
29	SPACE ONLY			-	1	1	-		-	SPACE ONLY	30
		10.3	8.4					9.6	9.7		

- NOTES:
 1. PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER.
 2. CONFIRM MAXIMUM OVERCURRENT DEVICE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.

PANEL A1 CALCULATION
 PER NEC 2002, ART. 220.30 OPTIONAL CALCULATION - DWELLING UNIT
 663 S.F.

CIRCUIT	VA/S.F.	LOAD (KVA)
SMALL APPLIANCE #1	-	1.5
SMALL APPLIANCE #2	-	1.5
LAUNDRY CIRCUIT	-	1.5
GENERAL LTG. RECEPTACLES	4	2.7
RANGE	-	8.0
EXHAUST HOOD	-	0.5
DISHWASHER	-	0.8
DISPOSAL	-	0.7
DRYER	-	4.0
WATER HEATER	-	4.5
COOLING	-	4.8
HEATING	-	2.5
TOTAL KVA		32.89
CALCULATED KVA		22.64
TOTAL DEMAND AMPS		108.85

PANEL A2 CALCULATION
 PER NEC 2002, ART. 220.30 OPTIONAL CALCULATION - DWELLING UNIT
 723 S.F.

CIRCUIT	VA/S.F.	LOAD (KVA)
SMALL APPLIANCE #1	-	1.5
SMALL APPLIANCE #2	-	1.5
LAUNDRY CIRCUIT	-	1.5
GENERAL LTG. RECEPTACLES	4	2.9
RANGE	-	8.0
EXHAUST HOOD	-	0.5
DISHWASHER	-	0.8
DISPOSAL	-	0.7
DRYER	-	4.0
WATER HEATER	-	4.5
COOLING	-	4.8
HEATING	-	2.5
TOTAL KVA		33.13
CALCULATED KVA		22.74
TOTAL DEMAND AMPS		109.31

PANEL A3 CALCULATION
 PER NEC 2002, ART. 220.30 OPTIONAL CALCULATION - DWELLING UNIT
 721 S.F.

CIRCUIT	VA/S.F.	LOAD (KVA)
SMALL APPLIANCE #1	-	1.5
SMALL APPLIANCE #2	-	1.5
LAUNDRY CIRCUIT	-	1.5
GENERAL LTG. RECEPTACLES	4	2.9
RANGE	-	8.0
EXHAUST HOOD	-	0.5
DISHWASHER	-	0.8
DISPOSAL	-	0.7
DRYER	-	4.0
WATER HEATER	-	4.5
COOLING	-	4.8
HEATING	-	2.5
TOTAL KVA		33.12
CALCULATED KVA		22.73
TOTAL DEMAND AMPS		109.29

PANEL B1 CALCULATION
 PER NEC 2002, ART. 220.30 OPTIONAL CALCULATION - DWELLING UNIT
 1015 S.F.

CIRCUIT	VA/S.F.	LOAD (KVA)
SMALL APPLIANCE #1	-	1.5
SMALL APPLIANCE #2	-	1.5
LAUNDRY CIRCUIT	-	1.5
GENERAL LTG. RECEPTACLES	6	6.1
RANGE	-	8.0
EXHAUST HOOD	-	0.5
DISHWASHER	-	0.8
DISPOSAL	-	0.7
DRYER	-	4.0
WATER HEATER	-	4.5
COOLING	-	4.8
HEATING	-	3.6
TOTAL KVA		37.51
CALCULATED KVA		21.92
TOTAL DEMAND AMPS		105.36

Name: A2

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 125 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: _____
 FLUSH MTD: X

1 PHASE
 3 WIRE
 X 208Y/120V
 480Y/277V
 240/120V

C K T N O T E S	IDENTIFICATION	LOAD/PHASE (KVA)		CIRCUIT BREAKER				LOAD/PHASE (KVA)		IDENTIFICATION	C K T N O T E S
		A	B	TRIP	POLES	POLES	TRIP	A	B		
1	SMALL APPLIANCE - KITCHEN	1.5		20	1	1	20	1.5		WASHER	2
3	SMALL APPLIANCE - KITCHEN		1.5	20	1	2	30		2.5	DRYER	4
5	RANGE	4.0		50	2	-	-	2.5		---	6
7	---		4.0	-	-	1	20		1.4	BEDROOM LTG. AND RECEPT.	8
9	LTG. RECEPT. - ENTRY, KITCH.	1.1		20	1	1	20	0.4		LTG. RECEPT. - EXTERIOR	10
11	DISHWASHER/DISPOSAL		1.5	20	1	1	20		1.0	MICROWAVE HOOD	12
13	RECEPT. - LIVING	1.0		20	1	2	30	2.3		WH-A	14
15	BATHROOM RECEPT.		0.2	20	1	-	-		2.3	---	16
17	LTG. EXHAUST FAN - BTHRM	0.4		20	1	2	25	2.4		AHU-A	18
19	SPACE ONLY		---	-	1	-	-		2.4	---	20
21	HPU-A	1.2		20	2	1	20	0.4		LTG. RECEPT. - DINING	22
23	---		1.2	-	-	1	-		-	SPACE ONLY	24
25	REFRIGERATOR	1.0		20	1	1	-		-	SPACE ONLY	26
27	SPARE			20	1	1	-		-	SPACE ONLY	28
29	SPACE ONLY			-	1	1	-		-	SPACE ONLY	30
		10.2	8.4					9.4			

- NOTES:
 1. PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER.
 2. CONFIRM MAXIMUM OVERCURRENT DEVICE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.

Name: B1

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 125 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: _____
 FLUSH MTD: X

1 PHASE
 3 WIRE
 X 208Y/120V
 480Y/277V
 240/120V

C K T N O T E S	IDENTIFICATION	LOAD/PHASE (KVA)		CIRCUIT BREAKER				LOAD/PHASE (KVA)		IDENTIFICATION	C K T N O T E S
		A	B	TRIP	POLES	POLES	TRIP	A	B		
1	SMALL APPLIANCE - KITCHEN	1.5		20	1	1	20	1.5		WASHER	2
3	SMALL APPLIANCE - KITCHEN		1.5	20	1	2	30		2.5	DRYER	4
5	RANGE	4.0		50	2	-	-	2.5		---	6
7	---		4.0	-	-	1	20		1.4	BEDROOM LTG. AND RECEPT.	8
9	LTG. RECEPT. - ENTRY, KITCH.	1.1		20	1	1	20	0.6		EXTERIOR LTG. AND RECEPT.	10
11	DISHWASHER/DISPOSAL		1.5	20	1	1	20		1.0	MICROWAVE HOOD	12
13	RECEPT. - LIVING	1.4		20	1	2	30	2.3		WH-B	14
15	BATHROOM RECEPT.		0.2	20	1	-	-		2.3	---	16
17	LTG. EXHAUST FAN - BTHRM	0.4		20	1	2	25	2.4		AHU-B	18
19	BATHROOM RECEPT.		0.2	20	1	-	-		2.4	---	20
21	BEDROOM LTG. AND RECEPT.	1.4		20	1	1	20	1.0		REFRIGERATOR	22
23	LTG. EXHAUST FAN - BTHRM		0.6	20	1	1	20		0.4	LTG. RECEPT. - DINING	24
25	BATHROOM RECEPT.	0.2		20	1	1	20		-	SPACE ONLY	26
27	HPU-B	1.8		30	2	1	20		-	SPACE ONLY	28
29	---	1.8		-	-	1	-		-	SPACE ONLY	30
		11.8	9.8					10.2	9.9		

- NOTES:
 1. PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER.
 2. CONFIRM MAXIMUM OVERCURRENT DEVICE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.

Name: A3

MAIN BREAKER: _____ AMPS
 MAIN LUGS: 125 AMPS
 A.I.C.: 42,000 AMPS
 SURFACE MTD: _____
 FLUSH MTD: X

1 PHASE
 3 WIRE
 X 208Y/120V
 480Y/277V
 240/120V

C K T N O T E S	IDENTIFICATION	LOAD/PHASE (KVA)		CIRCUIT BREAKER				LOAD/PHASE (KVA)		IDENTIFICATION	C K T N O T E S
		A	B	TRIP	POLES	POLES	TRIP	A	B		
1	SMALL APPLIANCE - KITCHEN	1.5		20	1	1	20	1.5		WASHER	2
3	SMALL APPLIANCE - KITCHEN		1.5	20	1	2	30		2.5	DRYER	4
5	RANGE	4.0		50	2	-	-	2.5		---	6
7	---		4.0	-	-	1	20		1.4	BEDROOM LTG. AND RECEPT.	8
9	LTG. RECEPT. - ENTRY, KITCH.	1.1		20	1	1	20	0.4		EXTERIOR LTG. AND RECEPT.	10
11	DISHWASHER/DISPOSAL		1.5	20	1	1	20		1.0	MICROWAVE HOOD	12
13	RECEPT. - LIVING	1.4		20	1	2	30	2.3		WH-A	14
15	BATHROOM RECEPT.		0.2	20	1	-	-		2.3	---	16
17	LTG. EXHAUST FAN - BTHRM	0.4		20	1	2	25	2.4		AHU-A	18
19	SPACE ONLY		---	-	1	-	-		2.4	---	20
21	HPU-A	1.2		20	2	1	20	0.4		LTG. RECEPT. - DINING	22
23	---		1.2	-	-	1	-		-	SPACE ONLY	24
25	REFRIGERATOR	1.0		20	1	1	-		-	SPACE ONLY	26
27	SPARE			20	1	1	-		-	SPACE ONLY	28
29	SPACE ONLY			-	1	1	-		-	SPACE ONLY	30
		10.8	8.4					9.4	9.5		

- NOTES:
 1. PROVIDE ARC FAULT CIRCUIT INTERRUPTER BREAKER.
 2. CONFIRM MAXIMUM OVERCURRENT DEVICE WITH EQUIPMENT MANUFACTURER'S REQUIREMENTS.



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JOB No: 1701
 DRAWN BY:
 CHECK BY:
 JOB PROGRESS:
 ITEM DATE
 PRICING SET 07-14-2017
 PERMIT SET 02-28-2018

REVISIONS:
 DATE NO.

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 HUNTSVILLE, ALABAMA
 AN APARTMENT COMMUNITY FOR
RBJ BAILEY, LLC

ELECTRICAL
 PANELBOARD SCHEDULES

SHEET NO.