TYPICAL UNIT PANEL 'S1'

LOCATION: 'A' UNIT TYPES | VOLTAGE: 120/208V 1ø 3W | MIN. AIC RATING: 22K AIC
TYPE: SQUARE 'D' – TYPE QO | MAINS: 110A ☒ MLO ☐ MCB | MOUNTING: FLUSH
FED FROM: METER CENTER | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

NOTES:
PROVIDE TYPED WRITTEN DIRECTORY
PROVIDE GROUND & NEUTRAL BUS
PROVIDE 'NM' WHERE ALLOWED BY AHJ

CKT	CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT ø	NEUT	GND	COND	BKR	LOAD KVA	PHASE ø	LOAD KVA	BKR	BRANCH CIRCUIT ø	NEUT	GND	COND	NOTES	CIRCUIT DESCRIPTION	CKT
1	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	A	1.96	30/2	10	–	10	NM		AHU-1	2
3	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	B	1.96	–	10	–	–	–		–	4
5	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	0.68	15/2	12	–	12	1/2"		CU-1	6
7	REFRIG	1	14	14	14	NM	15/1	0.84	B	0.68	–	12	–	–	–		–	8
9	GARBAGE DISPOSAL	1	14	14	14	NM	15/1	0.60	A	4.00	50/2	6	–	10	NM		RANGE	10
11	DISHWASHER	3	14	14	14	NM	15/1	1.20	B	4.00	–	6	–	–	–		–	12
13	RANGE HOOD	1	14	14	14	NM	15/1	1.20	A	2.25	30/2	10	–	10	NM	2	EWH-1	14
15	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B	2.25	–	10	–	–	–		–	16
17	LIVING LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	A	2.50	30/2	10	–	10	NM		DRYER	18
19	KITCHEN LIGHTS/CORRIDOR RECEPTS.	1	14	14	14	NM	15/1	1.20	B	2.50	–	10	–	–	–		–	20
21	SPACE ONLY		–	–	–	–	–	–	A	1.50	20/1	12	12	12	NM	3	WASHER	22
23	SPACE ONLY		–	–	–	–	–	–	B	0.18	15/1	14	14	14	NM	1	NTC CABINET	24

EQUIPMENT SERVED	CONN. LOAD	L.F.	D.F.	DEMAND LOAD

NOTES:
1) PROVIDE ARC-FAULT CIRCUIT BREAKER PER NEC 210.12
2) PROVIDE "LOCK OUT" STYLE BREAKER HANDLE PER NEC 422.31
3) PROVIDE COMBINATION ARC-FAULT CIRCUIT AND GFCI BREAKER PER NEC 210.12 AND 210.8

TOTAL DEMAND AMPS: 109.88 AMPS PER UNIT SERVICE CALCULATION

TYPICAL UNIT PANEL 'A1'

LOCATION: 'A' UNIT TYPES | VOLTAGE: 120/208V 1ø 3W | MIN. AIC RATING: 22K AIC
TYPE: SQUARE 'D' – TYPE QO | MAINS: 125A ☒ MLO ☐ MCB | MOUNTING: FLUSH
FED FROM: METER CENTER | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

NOTES:
PROVIDE TYPED WRITTEN DIRECTORY
PROVIDE GROUND & NEUTRAL BUS
PROVIDE 'NM' WHERE ALLOWED BY AHJ

CKT	CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT ø	NEUT	GND	COND	BKR	LOAD KVA	PHASE ø	LOAD KVA	BKR	BRANCH CIRCUIT ø	NEUT	GND	COND	NOTES	CIRCUIT DESCRIPTION	CKT
1	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	A	1.96	30/2	10	–	10	NM		AHU-1	2
3	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	B	1.96	–	10	–	–	–		–	4
5	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	0.68	15/2	12	–	12	1/2"		CU-1	6
7	REFRIG	1	14	14	14	NM	15/1	0.84	B	0.68	–	12	–	–	–		–	8
9	GARBAGE DISPOSAL	1	14	14	14	NM	15/1	0.60	A	4.00	50/2	6	–	10	NM		RANGE	10
11	DISHWASHER	3	14	14	14	NM	15/1	1.20	B	4.00	–	6	–	–	–		–	12
13	RANGE HOOD	1	14	14	14	NM	15/1	1.20	A	2.25	30/2	10	–	10	NM	2	EWH-1	14
15	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B	2.25	–	10	–	–	–		–	16
17	LIVING LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	A	2.50	30/2	10	–	10	NM		DRYER	18
19	KITCHEN LIGHTS/CORRIDOR RECEPTS.	1	14	14	14	NM	15/1	1.20	B	2.50	–	10	–	–	–		–	20
21	SPACE ONLY		–	–	–	–	–	–	A	1.50	20/1	12	12	12	NM	3	WASHER	22
23	SPACE ONLY		–	–	–	–	–	–	B		15/1	14	14	14	NM	1	NTC CABINET	24

EQUIPMENT SERVED	CONN. LOAD	L.F.	D.F.	DEMAND LOAD

NOTES:
1) PROVIDE ARC-FAULT CIRCUIT BREAKER PER NEC 210.12
2) PROVIDE "LOCK OUT" STYLE BREAKER HANDLE PER NEC 422.31
3) PROVIDE COMBINATION ARC-FAULT CIRCUIT AND GFCI BREAKER PER NEC 210.12 AND 210.8

TOTAL DEMAND AMPS: 110.58 AMPS PER UNIT SERVICE CALCULATION

TYPICAL UNIT PANEL 'B1'

LOCATION: 'B' UNIT TYPES | VOLTAGE: 120/208V 1ø 3W | MIN. AIC RATING: 22K AIC
TYPE: SQUARE 'D' – TYPE QO | MAINS: 125A ☒ MLO ☐ MCB | MOUNTING: FLUSH
FED FROM: METER CENTER | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

NOTES:
PROVIDE TYPED WRITTEN DIRECTORY
PROVIDE GROUND & NEUTRAL BUS
PROVIDE 'NM' WHERE ALLOWED BY AHJ

CKT	CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT ø	NEUT	GND	COND	BKR	LOAD KVA	PHASE ø	LOAD KVA	BKR	BRANCH CIRCUIT ø	NEUT	GND	COND	NOTES	CIRCUIT DESCRIPTION	CKT
1	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	A	1.96	30/2	10	–	10	NM		AHU-3	2
3	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	B	1.96	–	10	–	–	–		–	4
5	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	1.18	20/2	10	–	10	3/4"		CU-3	6
7	REFRIG	1	14	14	14	NM	15/1	0.84	B	1.18	–	10	–	–	–		–	8
9	GARBAGE DISPOSAL	1	14	14	14	NM	15/1	0.60	A	4.00	50/2	6	–	10	NM		RANGE	10
11	DISHWASHER	3	14	14	14	NM	15/1	1.20	B	4.00	–	6	–	–	–		–	12
13	RANGE HOOD	1	14	14	14	NM	15/1	1.20	A	2.25	30/2	10	–	10	NM	2	EWH-1	14
15	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B	2.25	–	10	–	–	–		–	16
17	LIVING LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	A	2.50	30/2	10	–	10	NM		DRYER	18
19	KITCHEN LIGHTS/CORRIDOR RECEPTS.	1	14	14	14	NM	15/1	1.20	B	2.50	–	10	–	–	–		–	20
21	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	1.50	20/1	12	12	12	NM	3	WASHER	22
23	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B		15/1	14	14	14	NM	1	NTC CABINET	24

EQUIPMENT SERVED	CONN. LOAD	L.F.	D.F.	DEMAND LOAD

NOTES:
1) PROVIDE ARC-FAULT CIRCUIT BREAKER PER NEC 210.12
2) PROVIDE "LOCK OUT" STYLE BREAKER HANDLE PER NEC 422.31
3) PROVIDE COMBINATION ARC-FAULT CIRCUIT AND GFCI BREAKER PER NEC 210.12 AND 210.8

TOTAL DEMAND AMPS: 114.73 AMPS PER UNIT SERVICE CALCULATION

TYPICAL UNIT PANEL 'B2'

LOCATION: 'B' UNIT TYPES | VOLTAGE: 120/208V 1ø 3W | MIN. AIC RATING: 22K AIC
TYPE: SQUARE 'D' – TYPE QO | MAINS: 125A ☒ MLO ☐ MCB | MOUNTING: FLUSH
FED FROM: METER CENTER | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

NOTES:
PROVIDE TYPED WRITTEN DIRECTORY
PROVIDE GROUND & NEUTRAL BUS
PROVIDE 'NM' WHERE ALLOWED BY AHJ

CKT	CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT ø	NEUT	GND	COND	BKR	LOAD KVA	PHASE ø	LOAD KVA	BKR	BRANCH CIRCUIT ø	NEUT	GND	COND	NOTES	CIRCUIT DESCRIPTION	CKT
1	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	A	1.96	30/2	10	–	10	NM		AHU-2	2
3	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	B	1.96	–	10	–	–	–		–	4
5	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	0.86	15/2	10	–	10	3/4"		CU-2	6
7	REFRIG	1	14	14	14	NM	15/1	0.84	B	0.86	–	10	–	–	–		–	8
9	GARBAGE DISPOSAL	1	14	14	14	NM	15/1	0.60	A	4.00	50/2	6	–	10	NM		RANGE	10
11	DISHWASHER	3	14	14	14	NM	15/1	1.20	B	4.00	–	6	–	–	–		–	12
13	RANGE HOOD	1	14	14	14	NM	15/1	1.20	A	2.25	30/2	10	–	10	NM	2	EWH-1	14
15	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B	2.25	–	10	–	–	–		–	16
17	LIVING LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	A	2.50	30/2	10	–	10	NM		DRYER	18
19	KITCHEN LIGHTS/CORRIDOR RECEPTS.	1	14	14	14	NM	15/1	1.20	B	2.50	–	10	–	–	–		–	20
21	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	1.50	20/1	12	12	12	NM	3	WASHER	22
23	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B		15/1	14	14	14	NM	1	NTC CABINET	24

EQUIPMENT SERVED	CONN. LOAD	L.F.	D.F.	DEMAND LOAD

NOTES:
1) PROVIDE ARC-FAULT CIRCUIT BREAKER PER NEC 210.12
2) PROVIDE "LOCK OUT" STYLE BREAKER HANDLE PER NEC 422.31
3) PROVIDE COMBINATION ARC-FAULT CIRCUIT AND GFCI BREAKER PER NEC 210.12 AND 210.8

TOTAL DEMAND AMPS: 112.71 AMPS PER UNIT SERVICE CALCULATION

LIGHTING FIXTURE SCHEDULE - TYPICAL UNITS

MARK	DESCRIPTION	MANUFACTURER	MODEL	VOLTS	LAMP QTY	LAMP WATTS	LAMP MODEL	FIXTURE WATTS
A	DECORATIVE LED CEILING MOUNT FIXTURE LOCATED IN KITCHEN	TBD	TBD	120	1	17	LED	17
B	2' LED STRIP LIGHT LOCATED ABOVE KITCHEN SINK	TBD	TBD	120	1	17	LED	17
C	DECORATIVE LED CEILING MOUNT FIXTURE LOCATED AT CLOSETS	TBD	TBD	120	1	17	LED	17
D	LED WALL MOUNTED VANITY LIGHT FIXTURE LOCATED ABOVE BATHROOM SINK	TBD	TBD	120	1	17	LED	17
F	52" CEILING FAN WITH LIGHT KIT LOCATED AT BEDROOMS AND LIVING ROOM	TBD	TBD	120	1	30	LED	30
G	LED SURFACE MOUNTED CLOSE-TO-TUB FIXTURE. UL DAMP LABEL RATED	TBD	TBD	120	1	17	LED	167
H	EXTERIOR STAINLESS STEEL BRACKET LED LIGHT WITH CLEAR GLASS LENS. UL WET LABEL RATED	TBD	TBD	120	1	17	LED	17
J	DECORATIVE LED CEILING MOUNT FIXTURE LOCATED AT HALLWAYS, CORRIDORS, AND ENTRY WAY	TBD	TBD	120	1	17	LED	17
K	DECORATIVE LED MINI-PENDANT FIXTURE LOCATED IN LAUNDRY ROOM	TBD	TBD	120	1	17	LED	17

NOTES:
1) DIVISION 16 CONTRACTOR SHALL VERIFY ALL FIXTURE TYPES AND FINISHES WITH OWNER PRIOR TO ORDERING.

TYPICAL UNIT PANEL C1

LOCATION: 'C' UNIT TYPES | VOLTAGE: 120/208V 1ø 3W | MIN. AIC RATING: 22 KAIC
TYPE: SQUARE 'D' – TYPE QO | MAINS: 125A ☒ MLO ☐ MCB | MOUNTING: FLUSH
FED FROM: METER CENTER | LUGS: ☐ SUB-FEED ☐ FEED-THRU | ENCLOSURE: NEMA 1

NOTES:
PROVIDE TYPED WRITTEN DIRECTORY
PROVIDE GROUND & NEUTRAL BUS
TYPE 'NM' CABLE WHERE APPROVED BY A.H.J.

CKT	CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT ø	NEUT	GND	COND	BKR	LOAD KVA	PHASE ø	LOAD KVA	BKR	BRANCH CIRCUIT ø	NEUT	GND	COND	NOTES	CIRCUIT DESCRIPTION	CKT
1	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	A	1.96	30/2	10	–	10	NM		AHU-3	2
3	KITCHEN RECEPTACLES	1	12	12	12	NM	20/1	1.50	B	1.96	–	10	–	–	–		–	4
5	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.50	A	1.18	20/2	10	–	10	3/4"		CU-3	6
7	REFRIGERATOR	1	14	14	14	NM	15/1	0.84	B	1.18	–	10	–	–	–		–	8
9	GARBAGE DISPOSAL	1	14	14	14	NM	15/1	0.60	A	4.10	50/2	6	–	10	NM		RANGE	10
11	DISHWASHER	3	14	14	14	NM	15/1	1.20	B	4.10	50/2	6	–	–	–		–	12
13	RANGE HOOD	1	14	14	14	NM	15/1	0.60	A	2.25	30/2	10	–	10	NM	2	EWH-1	14
15	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	0.50	B	2.25	–	10	–	–	–		–	16
17	LIVING ROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	A	2.50	30/2	10	–	10	NM		DRYER	18
19	KITCHEN LIGHTS/CORRIDOR RECEPTS.	1	14	14	14	NM	15/1	1.20	B	2.50	–	10	–	–	–		–	20
21	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.20	A	1.50	20/1	12	12	12	NM	3	WASHER	22
23	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B		15/1	14	14	14	NM	1	NTC CABINET	24
25	BATHROOM LIGHTS/RECEPTACLES		12	12	12	NM	20/1	1.20	A	–	–	–	–	–	–		SPACE ONLY	26
27	BEDROOM LIGHTS/RECEPTACLES	1	14	14	14	NM	15/1	1.20	B	–	–	–	–	–	–		SPACE ONLY	28

EQUIPMENT SERVED	CONN. LOAD	L.F.	D.F.	DEMAND LOAD

NOTES:
1) PROVIDE ARC-FAULT CIRCUIT BREAKER PER NEC 210.12
2) PROVIDE "LOCK OUT" STYLE BREAKER HANDLE PER NEC 422.31
3) PROVIDE COMBINATION ARC-FAULT CIRCUIT AND GFCI BREAKER PER NEC 210.12 AND 210.8

TOTAL DEMAND AMPS: 114.79 AMPS PER UNIT SERVICE CALCULATION

BLAKE L SUDDETH LICENSE No. 69060 STATE OF FLORIDA PROFESSIONAL ENGINEER

Blake Suddeth
Jan 17 2018 2:47 PM

PERMIT REVIEW STAMP

ISSUE HISTORY

No.	Date	Description
1	1/18/2018	ISSUE FOR PERMIT

REVISION HISTORY

No.	Date	Description

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JLC 17.0137.00

Blake Lawrence Suddeth
P.E. #: 69060

SUMMER BAY APTS. II
LAKE COUNTY, FL

Drawn:	MJR/KCM
Checked:	BLS/AJB
Approval:	BLS/AJB
Date:	11/10/2017
Project #:	5389

SCHEDULES - ELECTRICAL

E6.02