Panelboard: PA1

Location:	ELEC. 105	Volts:	208Y/120 Vac	A.I.C. Rating:	
Supply From:		Phases:	3	Mains Type:	
Mounting:	SURFACE	Wires:	4	Mains Rating:	225 A
Enclosure:	NEMA 1			MCB Rating:	225 A

Notes:

CKT	Load Name	Trip	Pole	A		B		C		Pole	Trip	Load Name	CKT
1	1st Floor Plan A Electrical Room Receptacles	20 A	1	0.54	0.54					1	20 A	1st Floor Plan A Receptacles	2
3	1st Floor Plan A Exhaust Fan	20 A	1			0.06	0.72			1	20 A	1st Floor Plan A Receptacles	4
5									0.54	1	20 A	1st Floor Plan A Receptacles	6
7	Plan A Exterior Receptacles	20 A	1	0.54	0.36					1	20 A	1st/2nd Floor Plan A Receptacles	8
9	1st/2nd Floor Plan A Receptacles	20 A	1			0.18	0.90			1	20 A	1st Floor Plan A Corridor Lighting	10
11	1st Floor Plan A Utility Lighting	20 A	1					0.19	0.13	1	20 A	1st Floor Plan A Utility Lighting	12
13	Plan A Stairwell Lighting	20 A	1	0.15	1.13					1	20 A	1st Floor Plan A Ceiling Fans	14
15	2nd Floor Plan A Exhaust Fan	20 A	1			0.06	0.36			1	20 A	2nd Floor Plan A Electrical Room Receptacles	16
17	2nd Floor Plan A Receptacles	20 A	1					0.54	0.72	1	20 A	2nd Floor Plan A Receptacles	18
19	2nd Floor Plan A Corridor Lighting	20 A	1	0.51	1.05					1	20 A	2nd Floor Plan A Ceiling Fans	20
21	2nd Floor Plan A Utility Lighting	20 A	1			0.13	0.19			1	20 A	2nd Floor Plan A Utility Lighting	22
23	3rd Floor Plan A Panel PA3	125 A	3					6.81	1.80	1	20 A	2nd Floor Plan A Time Clock	24
25	–	–	–	1.47	1.80					1	20 A	2nd Floor Plan A Time Clock	26
27	–	–	–			4.42	1.80			1	20 A	1st Floor Plan A Time Clock	28
29	1st Floor Plan A Time Clock	20 A	1					1.80	1.80	1	20 A	1st Floor Plan A Time Clock	30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
			Total Load:	14.16		8.78		13.31		kVA			
			Total Amps:	123.84		73.14		116.74		AMPS			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	20475 VA	100.00%	20475 VA		
Lighting	3790 VA	125.00%	4737 VA	Total Conn. Load:	36.25 kVA
Lighting - Dwelling Unit	300 VA	100.00%	300 VA	Total Est. Demand:	36.44 kVA
Motor	251 VA	106.25%	266 VA	Total Conn.:	100.61 A
Receptacle	11620 VA	93.40%	10760 VA	Total Est. Demand:	101.15 A

Notes:

Panelboard: PB1

Location:	ELEC. 109	Volts:	208Y/120 Vac	A.I.C. Rating:	
Supply From:		Phases:	3	Mains Type:	
Mounting:	SURFACE	Wires:	4	Mains Rating:	
Enclosure:	NEMA 1			MCB Rating:	N/A

Notes:

CKT	Load Name	Trip	Pole	A		B		C		Pole	Trip	Load Name	CKT
1	1st Floor Plan B Electrical Room Receptacles	20 A	1	0.36	0.06					1	20 A	1st Floor Plan B Exhaust Fan	2
3	1st Floor Plan B Receptacles	20 A	1			0.72	0.54			1	20 A	1st/2nd Floor Plan B Receptacles	4
5	1st Floor Plan B Receptacles	20 A	1					0.90	0.36	1	20 A	1st/2nd Floor Plan B Receptacles	6
7	1st Floor Plan B Receptacles	20 A	1	0.18	0.63					1	20 A	1st Floor Plan B Corridor Lighting	8
9	1st Floor Plan B Ceiling Fans	20 A	1			1.20	0.19			1	20 A	1st Floor Plan B Utility Lighting	10
11	1st Floor Plan B Utility Lighting	20 A	1					0.26	0.15	1	20 A	Plan B Stairwell Lighting	12
13	2nd Floor Plan B Corridor Lighting	20 A	1	0.38	0.90					1	20 A	2nd Floor Plan B Ceiling Fans	14
15	2nd Floor Plan B Utility Lighting	20 A	1			0.19	0.26			1	20 A	2nd Floor Plan B Utility Lighting	16
17	2nd Floor Plan B Exhaust Fan	20 A	1					0.06	0.54	1	20 A	2nd Floor Plan B Electrical Room Receptacles	18
19	2nd Floor Plan B Receptacles	20 A	1	0.54	0.54					1	20 A	2nd Floor Plan B Receptacles	20
21	3rd Floor Plan B Panel PB3	125 A	3			9.39	1.80			1	20 A	2nd Floor Plan B Time Clock	22
23	–	–	–					3.72	1.80	1	20 A	2nd Floor Plan B Time Clock	24
25	–	–	–	1.08	1.80					1	20 A	1st Floor Plan B Time Clock	26
27	1st Floor Plan B Time Clock	20 A	1			1.80	1.80			1	20 A	1st Floor Plan B Time Clock	28
29	Building Fire Alarm Control Panel	20 A	1					0.50					30
31													32
33													34
35													36
37													38
39													40
41													42
43													44
45													46
47													48
49													50
51													52
53													54
			Total Load:	9.46		17.86		8.26		kVA			
			Total Amps:	80.31		150.34		68.74		AMPS			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	20100 VA	100.00%	20100 VA		
Lighting	3465 VA	125.00%	4332 VA	Total Conn. Load:	35.55 kVA
Motor	251 VA	106.25%	266 VA	Total Est. Demand:	35.76 kVA
Other	500 VA	100.00%	500 VA	Total Conn.:	98.69 A
Receptacle	11340 VA	94.09%	10670 VA	Total Est. Demand:	99.24 A

Notes:

Panelboard: PA3

Location:		Volts:	208 Y/120 Vac	A.I.C. Rating:	
Supply From:	PA1	Phases:	3	Mains Type:	
Mounting:	SURFACE	Wires:	4	Mains Rating:	125 A
Enclosure:	NEMA 1			MCB Rating:	N/A

Notes:

CKT	Load Name	Trip	Pole	A		B		C		Pole	Trip	Load Name	CKT
1	3rd Floor Plan A Exhaust Fan	20 A	1	0.06	0.54					1	20 A	3rd Floor Plan A Electrical Room Receptacles	2
3	3rd Floor Plan A Receptacles	20 A	1			0.54	0.36			1	20 A	3rd/4th Floor Plan A Receptacles	4
5	3rd Floor Plan A Receptacles	20 A	1					0.72	0.36	1	20 A	3rd/4th Floor Plan A Receptacles	6
7	3rd Floor Plan A Utility Lighting	20 A	1	0.19	0.13					1	20 A	3rd Floor Plan A Utility Lighting	8
9	3rd Floor Plan A Corridor Lighting	20 A	1			0.59	1.05			1	20 A	3rd Floor Plan A Ceiling Fans	10
11	4th Floor Plan A Ceiling Fans	20 A	1					1.05	0.54	1	20 A	4th Floor Plan A Electrical Room Receptacles	12
13	4th Floor Plan A Exhaust Fan	20 A	1	0.06	0.54					1	20 A	4th Floor Plan A Receptacles	14
15	4th Floor Plan A Receptacles	20 A	1			0.72	0.61			1	20 A	4th Floor Plan A Corridor Lighting	16
17	4th Floor Plan A Utility Lighting	20 A	1					0.19	0.13	1	20 A	4th Floor Plan A Utility Lighting	18
19	4th Floor Plan A Time Clock	20 A	1	1.80	1.80					1	20 A	4th Floor Plan A Time Clock	20
21	3rd Floor Plan A Time Clock	20 A	1			1.80	1.80			1	20 A	3rd Floor Plan A Time Clock	22
23	Roof Conv Outlets	20 A	1					0.72	0.72	1	20 A	Roof Conv Outlets	24
25	Roof Conv Outlets	20 A	1	0.72									26
27													28
29													30
			Total Load:	5.81		7.47		4.42		kVA			
			Total Amps:	50.18		64.01		36.79		AMPS			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	9300 VA	100.00 %	9300 VA		
Lighting	1816 VA	125.00 %	2270 VA	Total Conn. Load:	17.69 kVA
Motor	125 VA	112.50 %	141 VA	Total Est. Demand:	18.15 kVA
Receptacle	6480 VA	100.00 %	6480 VA	Total Conn.:	49.10 A
				Total Est. Demand:	50.39 A

Notes:

Panelboard: PB3

Location:		Volts:	208 Y/120 Vac	A.I.C. Rating:	
Supply From:	PB1	Phases:	3	Mains Type:	
Mounting:	SURFACE	Wires:	4	Mains Rating:	
Enclosure:	NEMA 1			MCB Rating:	N/A

Notes:

CKT	Load Name	Trip	Pole	A		B		C		Pole	Trip	Load Name	CKT
1	3rd Floor Plan B Time Clock	20 A	1	1.80	1.80					1	20 A	3rd Floor Plan B Time Clock	2
3	3rd Floor Plan B Electrical Room Receptacles	20 A	1			0.54	0.54			1	20 A	3rd Floor Plan B Receptacles	4
5	3rd Floor Plan B Exhaust Fan	20 A	1					0.06	0.72	1	20 A	3rd Floor Plan B Receptacles	6
7	3rd/4th Floor Plan B Receptacles	20 A	1	0.36	0.36					1	20 A	3rd/4th Floor Plan B Receptacles	8
9	3rd Floor Plan B Ceiling Fans	20 A	1			0.90	0.72			1	20 A	Roof Conv Outlets	10
11	3rd Floor Plan B Utility Lighting	20 A	1					0.26	0.19	1	20 A	3rd F[illegible] Utility Lighting	12
13	4th Floor Plan B Time Clock	20 A	1	1.80	1.80					1	20 A	[illegible] Clock	14
15	4th Floor Plan B Exhaust Fan	20 A	1			0.06	0.54			1	20 A	4th Floor Plan B [illegible] Room Receptacles	16
17	4th Floor Plan B Receptacles	20 A	1					0.54	0.90	1	20 A	[illegible] Floor Plan B [illegible]	18
19	4th Floor Plan B Corridor Lighting	20 A	1	0.57	0.90					1	20 A	[illegible] Plan B [illegible]iling F[illegible]	20
21	4th Floor Plan B Utility Lighting	20 A	1			0.19	0.26			1	20 A	4th [illegible] B U[illegible]ty Lighting	22
23	Roof Conv Outlets	20 A	1					0.72	0.72	1	20 A	Roof Con[illegible]	24
25													26
27													28
29													30
			Total Load:	9.30		[illegible]		4.0[illegible]		kVA			
			Total Amps:	78.69		31.[illegible]		34.4[illegible]		[illegible]			

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	9000 [illegible]	10[illegible]00 %	9000 [illegible]		
Lighting	1446 VA	12[illegible]00 %	1807 VA	Total Conn. Load:	17.18 kVA
Motor	125 VA	112[illegible]0 %	141 VA	Total Est. Demand:	17.55 kVA
Receptacle	[illegible]00 VA	[illegible] %	6660 VA	Total Conn.:	47.69 A
				Total Est. Demand:	48.72 A

Notes:

DISTRIBUTION PANEL (MDP House)

VOLTAGE 208/120
3 PHASE
4-WIRE
BUS (AMPS) 800
MCB (AMPS) 800
65K AIC

POLES	TRIP	DESCRIPTION	DF	CONNECTED LOAD KVA	CONNECTED LOAD AMPS	DEMAND LOAD KVA	DEMAND LOAD AMPS
3 POLE	225	PA1/PA3	1.00	34	95	35	97
3 POLE	225	PB1/PB3	1.00	33	93	34	95
3 POLE	125	ELEVATOR	1.00	37	100	37	100
3 POLE	125	ELEVATOR	1.00	37	100	37	100
3 POLE							
3 POLE							
			TOTAL	141.0	388.0	143.0	39[illegible]
			SPARE AMPS				[illegible]08.4
			80% MAX AMPS				[illegible]0

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PROJECT NAME
ROCKLEDGE MULTI-FAMILY
220 Barton Boulevard
Rockledge, FL 32955

SHEET TITLE
ELECTRICAL PANEL SCHEDULES

NOV 03, 2015

Revision Schedule		
No.	Description	Date

PROJECT NO. 0540-19-0010
DATE 2018/11/04
DRAWN Author
CHECKED Checker

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