RESIDENTIAL UNIT TYPE S1
ELECTRICAL SERVICE LOAD SUMMARY

620	SQUARE FT. x 3 VA	=	1,860	VA		(GENERAL LIGHTING/RECEPTACLE LOAD)
1,500	VA x 2	=	3,000	VA		(SMALL APPLIANCE LOAD)
1,500	VA x 1	=	1,500	VA		(WASHING MACHNE)
5,000	VA x 1	=	5,000	VA		(ELECTRIC DRYER)
4,500	VA x 1	=	4,500	VA		(ELECTRIC WATER HEATER)
1,200	VA x 1	=	1,200	VA		(DISHWASHER)
800	VA x 1	=	800	VA		(DISPOSAL)
840	VA x 1	=	840	VA		(REFRIGERATOR)
1,200	VA x 1	=	1,200	VA		(MICROVAVE/HOOD)
8,000	VA x 1	=	8,000	VA		(ELECTRIC RANGE/OVEN)
CONNECTED GENERAL LOAD		=	27,900	VA		
CONNECT HEAT/AC LOAD		=	5,696	VA		(PER NEC 220.82)
TOTAL CONNECTED LOAD		=	33,596	VA		
TOTAL DEMAND LOAD		=	22,856	VA		(PER NEC 220.82)
TOTAL DEMAND AMPS		=	109.88	AMPS		110A @ 208V/1PH SERVICE

RESIDENTIAL UNIT TYPES A1, A1S
ELECTRICAL SERVICE LOAD SUMMARY

740	SQUARE FT. x 3 VA	=	2,220	VA		(GENERAL LIGHTING/RECEPTACLE LOAD)
1,500	VA x 2	=	3,000	VA		(SMALL APPLIANCE LOAD)
1,500	VA x 1	=	1,500	VA		(WASHING MACHNE)
5,000	VA x 1	=	5,000	VA		(ELECTRIC DRYER)
4,500	VA x 1	=	4,500	VA		(ELECTRIC WATER HEATER)
1,200	VA x 1	=	1,200	VA		(DISHWASHER)
800	VA x 1	=	800	VA		(DISPOSAL)
840	VA x 1	=	840	VA		(REFRIGERATOR)
1,200	VA x 1	=	1,200	VA		(MICROVAVE/HOOD)
8,000	VA x 1	=	8,000	VA		(ELECTRIC RANGE/OVEN)
CONNECTED GENERAL LOAD		=	28,260	VA		
CONNECT HEAT/AC LOAD		=	5,696	VA		(PER NEC 220.82)
TOTAL CONNECTED LOAD		=	33,956	VA		
TOTAL DEMAND LOAD		=	23,000	VA		(PER NEC 220.82)
TOTAL DEMAND AMPS		=	110.58	AMPS		125A @ 208V/1PH SERVICE

RESIDENTIAL UNIT TYPE B1
ELECTRICAL SERVICE LOAD SUMMARY

1,320	SQUARE FT. x 3 VA	=	3,960	VA		(GENERAL LIGHTING/RECEPTACLE LOAD)
1,500	VA x 2	=	3,000	VA		(SMALL APPLIANCE LOAD)
1,500	VA x 1	=	1,500	VA		(WASHING MACHNE)
5,000	VA x 1	=	5,000	VA		(ELECTRIC DRYER)
4,500	VA x 1	=	4,500	VA		(ELECTRIC WATER HEATER)
1,200	VA x 1	=	1,200	VA		(DISHWASHER)
800	VA x 1	=	800	VA		(DISPOSAL)
840	VA x 1	=	840	VA		(REFRIGERATOR)
1,200	VA x 1	=	1,200	VA		(MICROVAVE/HOOD)
8,000	VA x 1	=	8,000	VA		(ELECTRIC RANGE/OVEN)
CONNECTED GENERAL LOAD		=	30,000	VA		
CONNECT HEAT/AC LOAD		=	5,864	VA		(PER NEC 220.82)
TOTAL CONNECTED LOAD		=	35,864	VA		
TOTAL DEMAND LOAD		=	23,864	VA		(PER NEC 220.82)
TOTAL DEMAND AMPS		=	114.73	AMPS		125A @ 208V/1PH SERVICE

RESIDENTIAL UNIT TYPES B2, B2S
ELECTRICAL SERVICE LOAD SUMMARY

1,110	SQUARE FT. x 3 VA	=	3,330	VA		(GENERAL LIGHTING/RECEPTACLE LOAD)
1,500	VA x 2	=	3,000	VA		(SMALL APPLIANCE LOAD)
1,500	VA x 1	=	1,500	VA		(WASHING MACHNE)
5,000	VA x 1	=	5,000	VA		(ELECTRIC DRYER)
4,500	VA x 1	=	4,500	VA		(ELECTRIC WATER HEATER)
1,200	VA x 1	=	1,200	VA		(DISHWASHER)
800	VA x 1	=	800	VA		(DISPOSAL)
840	VA x 1	=	840	VA		(REFRIGERATOR)
1,200	VA x 1	=	1,200	VA		(MICROVAVE/HOOD)
8,000	VA x 1	=	8,000	VA		(ELECTRIC RANGE/OVEN)
CONNECTED GENERAL LOAD		=	29,370	VA		
CONNECT HEAT/AC LOAD		=	5,696	VA		(PER NEC 220.82)
TOTAL CONNECTED LOAD		=	35,066	VA		
TOTAL DEMAND LOAD		=	23,444	VA		(PER NEC 220.82)
TOTAL DEMAND AMPS		=	112.71	AMPS		125A @ 208V/1PH SERVICE

RESIDENTIAL UNIT TYPE C1
ELECTRICAL SERVICE LOAD SUMMARY

1,330	SQUARE FT. x 3 VA	=	3,990	VA		(GENERAL LIGHTING/RECEPTACLE LOAD)
1,500	VA x 2	=	3,000	VA		(SMALL APPLIANCE LOAD)
1,500	VA x 1	=	1,500	VA		(WASHING MACHNE)
5,000	VA x 1	=	5,000	VA		(ELECTRIC DRYER)
4,500	VA x 1	=	4,500	VA		(ELECTRIC WATER HEATER)
1,200	VA x 1	=	1,200	VA		(DISHWASHER)
800	VA x 1	=	800	VA		(DISPOSAL)
840	VA x 1	=	840	VA		(REFRIGERATOR)
1,200	VA x 1	=	1,200	VA		(MICROVAVE/HOOD)
8,000	VA x 1	=	8,000	VA		(ELECTRIC RANGE/OVEN)
CONNECTED GENERAL LOAD		=	30,030	VA		
CONNECT HEAT/AC LOAD		=	5,864	VA		(PER NEC 220.82)
TOTAL CONNECTED LOAD		=	35,894	VA		
TOTAL DEMAND LOAD		=	23,876	VA		(PER NEC 220.82)
TOTAL DEMAND AMPS		=	114.79	AMPS		125A @ 208V/1PH SERVICE

RESIDENTIAL BUILDING TYPE I
LOAD SUMMARY - METER CENTER #1A

Unit Type A1	33,956	VA x	10	=	339,560	VA
Unit Type B1	35,864	VA x	8	=	286,912	VA
Unit Type C1	35,894	VA x	4	=	143,576	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
TOTAL CONNECTED UNIT LOAD				=	770,048	VA
TOTAL UNIT DEMAND LOAD				=	277,217	VA (PER NEC 220.84)
TOTAL HOUSE PANEL LOAD				=	0	VA
TOTAL DEMAND AMPS				=	770.05	AMPS 1000A @ 208V/3PH, 4W SERVICE

RESIDENTIAL BUILDING TYPE I
LOAD SUMMARY - METER CENTER #1B

Unit Type S1	33,596	VA x	3	=	100,788	VA
Unit Type A1	33,956	VA x	10	=	339,560	VA
Unit Type B1	35,864	VA x	8	=	286,912	VA
Unit Type C1	35,894	VA x	4	=	143,576	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
TOTAL CONNECTED UNIT LOAD				=	870,836	VA
TOTAL UNIT DEMAND LOAD				=	304,793	VA (PER NEC 220.84)
TOTAL HOUSE PANEL LOAD				=	68,140	VA
TOTAL DEMAND AMPS				=	1,035.92	AMPS 1200A @ 208V/3PH, 4W SERVICE

RESIDENTIAL BUILDING TYPE II
LOAD SUMMARY - METER CENTER #2A

Unit Type A1	33,956	VA x	7	=	237,692	VA
Unit Type B1	35,864	VA x	8	=	286,912	VA
Unit Type B2	35,066	VA x	7	=	245,462	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
TOTAL CONNECTED UNIT LOAD				=	770,066	VA
TOTAL UNIT DEMAND LOAD				=	277,224	VA (PER NEC 220.84)
TOTAL HOUSE PANEL LOAD				=	0	VA
TOTAL DEMAND AMPS				=	770.07	AMPS 1000A @ 208V/3PH, 4W SERVICE

RESIDENTIAL BUILDING TYPE II
LOAD SUMMARY - METER CENTER #2B

Unit Type A1	33,956	VA x	10	=	339,560	VA
Unit Type B1	35,864	VA x	8	=	286,912	VA
Unit Type C1	35,894	VA x	4	=	143,576	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
		VA x	0	=	0	VA
TOTAL CONNECTED UNIT LOAD				=	770,048	VA
TOTAL UNIT DEMAND LOAD				=	277,217	VA (PER NEC 220.84)
TOTAL HOUSE PANEL LOAD				=	70,560	VA
TOTAL DEMAND AMPS				=	966.05	AMPS 1200A @ 208V/3PH, 4W SERVICE

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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SUMMER BAY APTS. II	Drawn:	MJR/KCM
	Checked:	BLS/AJB
LAKE COUNTY, FL	Approval:	BLS/AJB
	Date:	11/10/2017
	Project #:	5389

SCHEDULES - ELECTRICAL

E6.01

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