

PANEL "MA" (NEW) (NOTE 1)		INTERRUPTING CAPACITY 42K AIC	TYPE: MOUNTING:	MLO 400A SURFACE	FED FROM PANEL "MSB"			
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA
4.6	CU-B-6	3#6, 1#10G, 3/4"C	45	1	2	AH-B-1	3#4, 1#8G, 1"C	9.6
4.6	CU-B-6	3#6, 1#10G, 3/4"C	45	5	6	AH-B-2	3#4, 1#8G, 1"C	9.6
1.5	AC-B-8	2#12, 1#12G, 1/2"C	15	9	10	AH-B-3	3#4, 1#8G, 1"C	9.6
1.5	AC-B-9	2#12, 1#12G, 1/2"C	15	13	14	AH-B-4	3#4, 1#8G, 1"C	9.6
1.5	AC-B-10	2#12, 1#12G, 1/2"C	15	17	18	AH-B-5	3#4, 1#8G, 1"C	9.6
1.0	AH-B-6	2#12, 1#12, 1/2"C	20/1	21	22			
1.0	AH-B-7	2#12, 1#12, 1/2"C	20/1	23	24			
				25	26			
				27	28			
				29	30			
				31	32			
				33	34			
				35	36			
				37	38			
				39	40			
				41	42			
15.7	SUB-TOTAL			TOTAL: 63.7	KVA			SUB-TOTAL 48.0

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.

PANEL "RA" (SECTION 1)		INTERRUPTING CAPACITY 42K AIC	TYPE: MOUNTING:	MLO 250A SURFACE	(NOTE 1)			
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA
1.0	BASEMENT RECEPTACLE	2#12, 1#12, 1/2"C	20/1	1	2	TELEPHONE BACKBOARD	2#12, 1#12G, 1/2"C	1.0
1.0	BASEMENT RECEPTACLE	2#12, 1#12, 1/2"C	20/1	4	4	SPRINKLE COMPRESSOR	2#12, 1#12G, 1/2"C	1.0
1.0	BASEMENT RECEPTACLE	2#12, 1#12, 1/2"C	20/1	5	6	WATER HEATER RECEPTACLE	2#12, 1#12G, 1/2"C	1.0
1.0	BASEMENT RECEPTACLE	2#12, 1#12, 1/2"C	20/1	7	8	SPARE		
1.0	BASEMENT RECEPTACLE	2#12, 1#12, 1/2"C	20/1	9	10	SPARE		
1.0	BASEMENT RECEPTACLE	2#12, 1#12, 1/2"C	20/1	11	12	SPARE		
1.0	EF-1	2#12, 1#12, 1/2"C	20/1	13	14	SPARE		
1.0	WATER FOUNTAIN	2#12, 1#12, 1/2"C	20/1	15	16	SPARE		
1.0	WATER FOUNTAIN	2#12, 1#12, 1/2"C	20/1	17	18	SPARE		
1.0	WATER FOUNTAIN	2#12, 1#12, 1/2"C	20/1	19	20	SPARE		
1.0	WATER FOUNTAIN	2#12, 1#12, 1/2"C	20/1	21	22	SPARE		
	SPARE		20/1	23	24	SPARE		
	SPARE		20/1	25	26	SPARE		
	SPARE		20/1	27	28	SPARE		
	SPARE		20/1	29	30	SPARE		
	SPARE		20/1	31	32	SPARE		
	SPARE		20/1	33	34	SPARE		
	SPARE		20/1	35	36	SPARE		
	SPARE		20/1	37	38	SPARE		
	SPARE		20/1	39	40	SPARE		
	SPARE		20/1	41	42	SPARE		
12.0	SUB-TOTAL			TOTAL: 15.0	KVA			SUB-TOTAL 3.0

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.  
3. PROVIDE FEED THRU LUG FOR SECTION TWO.

PANEL "RA" (SECTION 2)		INTERRUPTING CAPACITY 42K AIC	TYPE: MOUNTING:	MLO 250A SURFACE	(NOTE 1)			
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA
3.0	ELEVATOR CAB LIGHTS	3#10, 1#10G, 3/4"C	30	43	44	OUT DOOR RECEPTACLE	2#12, 1#12G, 1/2"C	1.0
				45	46	SPARE		
1.0	ELVATOR MATCH. ROOM RECEPT.	2#12, 1#12, 1/2"C	20/1	47	48	SPARE		
1.0	SUMP PUMP	2#12, 1#12, 1/2"C	20/1	49	50	SPARE		
1.0	ELEVATOR PIT LIGHTS AND RECEPT	2#12, 1#12, 1/2"C	20/1	51	52	SPARE		
1.0	FACP (NOTE 3)	2#12, 1#12, 1/2"C	20/1	53	54	SPARE		
1.0	FAAP (NOTE 3)	2#12, 1#12, 1/2"C	20/1	55	56	SPARE		
1.0	TC AND LC	2#12, 1#12, 1/2"C	20/1	57	58	SPARE		
	SPARE		20/1	59	60	SPARE		
	SPARE		20/1	61	62	SPARE		
	SPARE		20/1	63	64	SPARE		
	SPARE		20/1	65	66	SPARE		
	SPARE		20/1	67	68	SPARE		
	SPARE		20/1	69	70	SPARE		
	SPARE		20/1	71	72	SPARE		
	SPARE		20/1	73	74	SPARE		
	SPARE		20/1	75	76	SPARE		
	SPARE		20/1	77	78	SPARE		
	SPARE		20/1	79	80	SPARE		
	SPARE		20/1	81	82	SPARE		
	SPARE		20/1	83	84	SPARE		
9.0	SUB-TOTAL			TOTAL: 10.0	KVA			SUB-TOTAL 1

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.  
3. PROVIDE LOCKABLE DEVICE AT THE PANEL.

PANEL "LA"		INTERRUPTING CAPACITY 42K AIC	TYPE: MOUNTING:	MLO 150A SURFACE				
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA
1.2	LIGHTING - 004, 015	2#12, 1#12G, 1/2"C	20/1	1	2	LIGHTING - 016	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 015	2#12, 1#12G, 1/2"C	20/1	3	4	LIGHTING - 016	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 011,012,013,014	2#12, 1#12G, 1/2"C	20/1	5	6	LIGHTING - 001,002,003	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 004,005,008,017	2#12, 1#12G, 1/2"C	20/1	7	8	LIGHTING - 016,017	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 007	2#12, 1#12G, 1/2"C	20/1	9	10	LIGHTING - EXTERIOR	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 008	2#12, 1#12G, 1/2"C	20/1	11	12	SPARE		
	SPARE		20/1	13	14	SPARE		
	SPARE		20/1	15	16	SPARE		
	SPARE		20/1	17	18	SPARE		
	SPARE		20/1	19	20	SPARE		
	SPARE		20/1	21	22	SPARE		
	SPARE		20/1	23	24	SPARE		
	SPARE		20/1	25	26	SPARE		
	SPARE		20/1	27	28	SPARE		
	SPARE		20/1	29	30	SPARE		
	SPARE		20/1	31	32	SPARE		
	SPARE		20/1	33	34	SPARE		
	SPARE		20/1	35	36	SPARE		
	SPARE		20/1	37	38	SPARE		
	SPARE		20/1	39	40	SPARE		
	SPARE		20/1	41	42	SPARE		
7.2	SUB-TOTAL			TOTAL: 13.2	KVA			SUB-TOTAL

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.

PANEL "L1"		INTERRUPTING CAPACITY 42K AIC	TYPE: MOUNTING:	MLO 150A SURFACE				
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA
1.2	LIGHTING - 107,109,110,111	2#12, 1#12G, 1/2"C	20/1	1	2	LIGHTING - 103,111,113,114,116	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 104,105,106	2#12, 1#12G, 1/2"C	20/1	3	4	LIGHTING - 115	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 108	2#12, 1#12G, 1/2"C	20/1	5	6	LIGHTING - 116	2#12, 1#12G, 1/2"C	1.2
	SPARE		20/1	7	8	LIGHTING - EXTERIOR	2#12, 1#12G, 1/2"C	1.2
	SPARE		20/1	9	10	SPARE		
	SPARE		20/1	11	12	SPARE		
	SPARE		20/1	13	14	SPARE		
	SPARE		20/1	15	16	SPARE		
	SPARE		20/1	17	18	SPARE		
	SPARE		20/1	19	20	SPARE		
	SPARE		20/1	21	22	SPARE		
	SPARE		20/1	23	24	SPARE		
	SPARE		20/1	25	26	SPARE		
	SPARE		20/1	27	28	SPARE		
	SPARE		20/1	29	30	SPARE		
	SPARE		20/1	31	32	SPARE		
	SPARE		20/1	33	34	SPARE		
	SPARE		20/1	35	36	SPARE		
	SPARE		20/1	37	38	SPARE		
	SPARE		20/1	39	40	SPARE		
	SPARE		20/1	41	42	SPARE		
3.6	SUB-TOTAL			TOTAL: 8.4	KVA			SUB-TOTAL 4.8

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.

PANEL "L2"		INTERRUPTING CAPACITY 42K AIC	TYPE: MOUNTING:	MLO 150A SURFACE				
KVA	DESCRIPTION	FEEDER	PROT.	CIRCUITS	PROT.	DESCRIPTION	FEEDER	KVA
1.2	LIGHTING - 208,209	2#12, 1#12G, 1/2"C	20/1	1	2	LIGHTING - 201, FOYER	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 202,203,206,207	2#12, 1#12G, 1/2"C	20/1	3	4	LIGHTING - CHANDELIER, FOYER	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - 205	2#12, 1#12G, 1/2"C	20/1	5	6	LIGHTING - PORCH	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	20/1	7	8	LIGHTING - CHANDELIER, PORCH	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	20/1	9	10	LIGHTING - 210, LIBRARY	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	20/1	11	12	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	20/1	13	14	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	1.2
1.2	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	20/1	15	16	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	1.2
	SPARE		20/1	17	18	LIGHTING - MAIN PRAYER HALL	2#12, 1#12G, 1/2"C	1.2
	SPARE		20/1	19	20	SPARE		
	SPARE		20/1	21	22	SPARE		
	SPARE		20/1	23	24	SPARE		
	SPARE		20/1	25	26	SPARE		
	SPARE		20/1	27	28	SPARE		
	SPARE		20/1	29	30	SPARE		
	SPARE		20/1	31	32	SPARE		
	SPARE		20/1	33	34	SPARE		
	SPARE		20/1	35	36	SPARE		
	SPARE		20/1	37	38	SPARE		
	SPARE		20/1	39	40	SPARE		
	SPARE		20/1	41	42	SPARE		
10.8	SUB-TOTAL			TOTAL: 22.8	KVA			SUB-TOTAL 12.0

NOTES:  
1. PROVIDE LIGHTING PANEL BOARD.  
2. AIC RATING OF THIS PANEL CAN BE REDUCE AFTER COORDINATION STUDY DONE BY PANEL MANUFACTURER REPRESENTATIVE.

**DESIGN BUILD**  
BLACKWATER CONSTRUCTION GROUP, LLC  
2200 SATELLITE BLVD, DULUTH GA 30092  
TEL: (770) 455-5569

**DESIGN CONSULTANTS**  
DESIGN SOLUTIONS LLC  
1100 S. GOSWAMI BLVD, SUITE 100  
DORAVILLE, GA 30095  
PHONE: 404-740-7287

**ARCHITECT OF RECORD**  
ROBERT J LARA, AIA  
8450 SW 201 ST.  
CUTLER BAY, FL 33189

**STRUCTURAL**  
ENGQUEST  
3550 ENGINEERING DRIVE, SUITE 175  
PEACHTREE