



architecture

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BCCL CBCL LIMIT

CBCL
CBCL LIMITED
Consulting Engineers
ISO 9001 CERTIFIED

PANEL CC (EXISTING)										SYM. I.C.: 1000 A MAINS: 1000 A MAIN BRK: MLO A	
Power: 12/2008 V 3 @ 4 W											
LOCATION: CC-109											
INCOMING:											
Remarks	Designation	CRCT #	Watts	BRK	Phase	Watts	CRCT#	Designation	Remarks		
	LIGHTS 208,208,210	1	240	X	B	15A	200	2	FAIR 210, 211		
	UNKNOWN LOAD	3	240	X	B	15A	200	4	LIGHTS 206,209,210		
	RECEIPT 107	5	240	X	B	15A	300	6	LIGHTS 211		
	RECEIPT 108	6	240	X	B	15A	200	7	RECEIPT 210		
	1 RECEPT 106, 200 MARIANE ATLANTIC	11	240	X	B	15A	300	12	IGRTS STAIR 2		
	RECEIPT 105	11	240	X	B	15A	300	12	IGRTS STAIR 2		
	RECEIPT 102	13	240	X	B	15A	240	14	RECEIPT 101		
	RECEIPT 101	15	240	X	B	15A	600	16	LIGHTS 218,217,211,209,202,201		
	RECEIPT 100	16	240	X	B	15A	200	17	RECEIPT 100		
	RECEIPT 99	18	240	X	B	15A	200	19	RECEIPT 99		
	RECEIPT 98	19	240	X	B	15A	200	20	RECEIPT 98		
	RECEIPT 97	21	240	X	B	15A	120	22	KITCHENETTE UNIT 209		
	RECEIPT 211	21	240	X	B	15A	120	24	KITCHENETTE UNIT 209		
	RECEIPT 210	23	240	X	B	15A	240	25	RECEIPT 209		
	RECEIPT 211	25	120	15A	X	15A	240	26	RECEIPT 209		
	RECEIPT 210	25	120	15A	X	15A	240	26	RECEIPT 209		
	RECEIPT 211	25	120	15A	X	15A	240	26	RECEIPT 209		
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	RECEIPT 210	25	120	15A	X	15A	240	26	RECEIPT 209		
	RECEIPT 211	25	120	15A	X	15A	2				

Power: 120/208 V 3 ø 4 W						Panel CC (Existing)		SWL IC-: 1000 A MANS: 1000 A	
# OF CRTS: 42						LOCATION IC: 09		MAIN BRK MLO A	
INCOMING:									
Remarks									Destination
LIGHTS 208/220/210				CRT #	MANS BKR	a b c	PHASE	BKR	MANS CRT#
UNKNOWN/LOAD				3	240	X	X	15A	300 4 LIGHTS 208/208/210
RECEIPT 107				5	240	X	X	15A	300 6 LIGHTS 211
1 AC UNIT LEVEL 200 MARINE ATLANTIC				7	240	X	X	15A	240 8 RECEIPT 219
AC UNIT LEVEL 200 MARINE ATLANTIC				9	1000 20A	X	X	15A	240 10 RECEIPT 210
RECEIPT 102				13	240	X	X	15A	240 12 AC UNIT LEVEL 200 MARINE ATLANTIC STR 2
RECEIPT 101				15	240	X	X	15A	240 14 RECEIPT 101
RECEIPT 101				17	240	X	X	15A	600 16 LIGHTS 218-217; 209;202;201
NEW PAVMENT				19	120	X	X	20A	1000 18 RECEIPT'S 206
RECEIPT 210				23	240	X	X	20A	1000 20 AC UNIT LEVEL 200 MARINE ATLANTIC UNIT 208
RECEIPT 210				23	240	X	X	2-EP 120 24 KITCHENETTE UNIT 209	
RECEIPT 211				25	120 15A X	X	X	15A	240 26 RECEIPT 209
RECEIPT 211				27	120 2-EP X	X	X	15A	300 28 LIGHTS 104; 105
RECEIPT 101				29	120 2-EP X	X	X		
RECEIPT 101				33	120 2-EP X	X	X		
RECEIPT 110				33	240	X	X		
LEVEL 200 MARINE ATLANTIC				37	2400 50A X	X	X	20A	1000 38 AC UNIT LEVEL 200 MARINE ATLANTIC
PANEL OD				37	2400 50A X	X	X	20A	1000 38 AC UNIT LEVEL 200 MARINE ATLANTIC
PANEL ID				37	2400 50A X	X	X	20A	1000 38 AC UNIT LEVEL 200 MARINE ATLANTIC
PANEL ID				41	2400			1000	42 FREDS AC UNIT
FEDDER								SOURCE:	FED FROM PANEL PDG
Remarks:						1	EXISTING AC UNITS TO BE REMOVED - SEE MECHANICAL	Phase A Total	53.8 A
2						LOADS ARE ESTIMATED	Phase C Total	66.90W	54.7 A
						TOTAL	19190.1W	53.3 A	

PANEL TC (REVISED)										SYM. I.C.: 10000 A	
Power: 120/208 V 3 φ 4 W										MANNS: 225 A	
# OF CIRTS: 24										MAIN BRK: MLO A	
LOCATION: CC-109											
Remarks										Remarks	
INCOMING:											
Description										Description	
SPARE										SPARE	
LIGHTS: 107										LIGHTS: 107	
HIRSCH DOOR CONTROL PANEL										HIRSCH DOOR CONTROL PANEL	
LIGHTS: STORAGE 110										LIGHTS: STORAGE 110	
AIR CONDITIONER AC2-COU (OUTDOOR)										AIR CONDITIONER AC2-COU (OUTDOOR)	
AIR CONDITIONER AC2-COU (INDOOR)										AIR CONDITIONER AC2-COU (INDOOR)	
AIR CONDITIONER AC2-COU (OUTDOOR)										AIR CONDITIONER AC2-COU (OUTDOOR)	
LIGHTS: 219										LIGHTS: 219	
FAN AND RM: 107										FAN AND RM: 107	
1 AIR CONDITIONERS (INDOOR): AC-2, AC-3										1 AIR CONDITIONERS (INDOOR): AC-2, AC-3	
1 AIR CONDITIONERS (INDOOR): AC-2, AC-3										1 AIR CONDITIONERS (INDOOR): AC-2, AC-3	
FEEDER										FEEDER	
SOURCE:										SOURCE:	
1 PROVIDE NEW BREAKER										1 PROVIDE NEW BREAKER	
Remarks:										Remarks:	
Phase A Total 4400W										35.7A	
Phase B Total 3250W										33.6A	
Phase C Total 11700W										27.1A	
TOTAL										32.5A	

PANE: 120208 V 3 s 4 W										PANE: TC (ESTIMNG)		SYM. IC: 10000 A	
# OF CRTS: 28										LOCATION: CBT 09		MANS: 225 A	
INCOMING:												MAIN BRK: MLO A	
Remarks												Remarks	
SPARE										Description			
SPARE 107										3 300 15A		2 SPARE	
HERRSH DOOR CONTROL PANEL										5 100 15A		6 LIGHTS 101	
LIGHT'S STORAGE 110										7 300 15A X		8 LIGHTS 101	
SPARE										9 15A X		10 LIGHTS STORAGE 110	
SPARE										11 15A X		12 LIGHTS COMPUTER 108	
SPARE										13 15A X		14 LIGHTS 100	
SPARE 213										15 300 15A		16 SPARE	
FAN MOTOR RM 107										19 100 15A X		20 LIGHTS RM 303	
SPARE										21 15A X		22 SPARE	
SPARE										23 15A		24 SPARE	
FEEDER										SOURCE:			
Remarks										1 LOADS ARE ESTIMATED		Phase A Total 12300 W	
												Phase B Total 6800 W	
												Phase C Total 10000 W	
										TOTAL		28800 W	
												10.0 A	
												8.3 A	
												7.8 A	

Power 800/441 V 3 ø 4 W										PANEL E3106		SW1 C.: 2400 A	
# OF CKTS. 30										LOCATON C/175		MAINS: 1100 A	
INCOMING:												MAN BRK M/O A	
Destination										BRK A B C		Designation	
Remarks										WIRTS		Remarks	
CKT #	White	BRK A	BRK B	BRK C	BRK D	WIRTS	CKT#	Designation	Remarks				
1	AIR CONDITIONER GRAC-1 INDOOR C/108	1	9150	35A	X		2	SPARE					
2	AIR CONDITIONER GRAC-1 INDOOR C/108	2	9150	35A	X		3	SPARE					
3	AIR CONDITIONER GRAC-1 INDOOR C/108	3	9150	35A	X		4	SPARE					
7	AIR CONDITIONER GRAC-2 INDOOR C/108	7	9150	35A	X		8	SPARE					
9	AIR CONDITIONER GRAC-2 INDOOR C/108	9	9150	3-P	X		3-P	10	SPARE				
11	AIR CONDITIONER GRAC-2 INDOOR C/108	11	9150	35A	X		12	SPARE					
15	AIR CONDITIONER GRAC-3 INDOOR C/108	15	9150	3-P	X		16	SPARE					
17	AIR CONDITIONER GRAC-3 INDOOR C/108	17	9105	3-P	X		18	SPARE					
19	AIR TRANSFORMER C/175	19	9200	90A	X		20	SPARE					
21	17 1/2 KVA TRANSFORMER C/175	21	9200	90A	X		22	SPARE					
23	17 1/2 KVA TRANSFORMER C/175	23	92500	---	X		24	SPARE					
25	SPACE	25			X		26	SPACE					
27	SPACE	27			X		28	SPACE					
29	SPACE	29			X		30	SPACE					
REMARKS: 1 ONLY TWO AC UNITS OFFLINE SIMULTANEOUSLY										FED FROM PANEL E3XXX IN RMR			
Phase A Total										22450 W			
Phase C Total										52405 W			
TOTAL										157.205 W			
										151.2 A			
										151.0 A			
										151.5 A			