

PANEL: MDP
LOCATION: EXTERIOR WALL NEAR METER
FEEDER SOURCE: CLECO

VOLTAGE: 208/120V, 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED 1000A PANELBOARD, 65K AIC,
EQUIPMENT GND BAR & BOLT-ON BREAKERS

Ckt. No.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	Ckt. No.
1				295.1Ø		1Ø402				7
3	700 MCM	PANEL HP1 1ST FLOOR	400 3	29241		19096	3 225	PANEL HP1 - FIRST FLOOR KITCHEN & BAR AREAS	700 MCM	4
5				29342		1Ø6Ø4				6
7				2Ø900		1Ø314				8
9	300 MCM	PANEL MP1 (EXTERIOR)	250 3	2Ø900		1Ø314	3 225	PANEL MP2 (EXTERIOR)	300 MCM	10
11				2Ø900		1Ø314				12
13				2Ø653		32961				14
15	300 MCM	PANEL HP2 2ND FLOOR	250 3	2Ø658		33175	3 400	PANEL KP2 - SECOND FLOOR KITCHEN PREP & BAR AREAS	300 MCM	16
17				2Ø713		330Ø3				1Ø
				TOTAL CONNECTED LOAD (VA) = 465,16Ø				GROUND BUS GROUND WIRE (Ø)		
				AØ=154,74Ø BØ=155,3Ø4 CØ=155,036						

NOTE: IF MDP HAS MORE THAN 6 BREAKERS A SINGLE DISCONNECT MUST BE ADDED BEFORE MDP.

PANEL: MP1
LOCATION: SOUTHWEST EXTERIOR WALL AT DUCTLESS AC UNITS
FEEDER SOURCE: MDP PANEL

VOLTAGE: 208/120V, 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED 250A PANELBOARD, 22K AIC,
EQUIPMENT GND BAR

Ckt. No.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	Ckt. No.
1				296Ø		296Ø				2
3	#Ø	AC CONDENSING UNIT #1 FOR ZONE 1 (5 TON)	35 3	295Ø		25Ø2	3 35	AC CONDENSING UNIT #Ø FOR ZONE 2 (5 TON)	#Ø	4
5				295Ø		25Ø2				6
7				295Ø		25Ø2				8
9	#Ø	AC CONDENSING UNIT #9 FOR ZONE 3 (5 TON)	35 3	295Ø		25Ø2	3 35	AC CONDENSING UNIT #10 FOR ZONE 4 (5 TON)	#Ø	10
11				295Ø		25Ø2				12
13	#10	DØØ 1 DUCTLESS AC AND HEATPUMP (36,000 BTU)	30 2	4143		4143	2 30	DØØ 2 DUCTLESS AC AND HEATPUMP (36,000 BTU)	#10	14
15				4143		4143				16
17	#10	DØØ 3 DUCTLESS AC AND HEATPUMP (36,000 BTU)	30 2	4143		4143	2 30	DØØ 4 DUCTLESS AC AND HEATPUMP (36,000 BTU)	#10	18
19				4143		4143				20
21	#10	DØØ 5 DUCTLESS AC AND HEATPUMP (36,000 BTU)	30 2	4143		4143	2 30	DØØ 6 DUCTLESS AC AND HEATPUMP (36,000 BTU)	#10	22
23				4143		4143				24
				TOTAL CONNECTED LOAD (VA) = 93,129				GROUND BUS GROUND WIRE (Ø)		
				AØ=26,300 BØ=26,300 CØ=26,300						

PANEL: MP2
LOCATION: SOUTH EXTERIOR WALL (REAR) OF BLDG. AT AC UNITS
FEEDER SOURCE: MDP PANEL

VOLTAGE: 208/120V, 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED 225A PANELBOARD, 22K AIC,
EQUIPMENT GND BAR

Ckt. No.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	Ckt. No.
1				25Ø2		25Ø2				2
3	#Ø	AC CONDENSING UNIT #2 FOR ZONE 2 (5 TON)	35 3	25Ø2		25Ø2	3 35	AC CONDENSING UNIT #3 FOR KITCHEN HOOD	#Ø	4
5				25Ø2		25Ø2				6
7				25Ø2		25Ø2				8
9	#Ø	AC CONDENSING UNIT #4 FOR ZONE 3 (5 TON)	35 3	25Ø2		25Ø2	3 35	AC CONDENSING UNIT #5 FOR ZONE 4 (5 TON)	#Ø	10
11				25Ø2		25Ø2				12
13				25Ø2		25Ø2				14
15	#Ø	AC CONDENSING UNIT #6 FOR ZONE 5 (5 TON)	35 3	25Ø2		25Ø2	3 35	AC CONDENSING UNIT #7 FOR ZONE 5 (5 TON)	#Ø	16
17				25Ø2		25Ø2				18
19				1705		1117				20
21	#12	OUTDOOR FREEZER REFRIGERATION UNIT	20 3	1705		1117	3 15	OUTDOOR COOLER REFRIGERATION UNIT	#12	22
23				1705		1117				24
				TOTAL CONNECTED LOAD (VA) = 54,942				GROUND BUS GROUND WIRE (Ø)		
				AØ=18,314 BØ=18,314 CØ=18,314						

PANEL: HP-1
LOCATION: ELECTRICAL CLOSET ON FIRST FLOOR
FEEDER SOURCE: MDP PANEL

VOLTAGE: 208/120V, 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED 400A PANELBOARD, 22K AIC,
EQUIPMENT GND BAR & BOLT-ON BREAKERS

Ckt. No.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	Ckt. No.
1				6405		696				2
3	#6	AHU #1 HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #1 BLOWER 5 TON	#12	4
5				6405		696				6
7				6485		696				8
9	#6	AHU #2 HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #2 BLOWER 5 TON	#12	10
11				6485		696				12
13				6485		696				14
15	#6	AHU #3 HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #3 BLOWER 5 TON	#12	16
17				6485		696				18
19	#12	CORNER QUAD RECEPTACLES IN RECEPTION/DINING AREA 101	20 1	1440		1725	1 20	VENDING MACHINE	#12	20
21	#12	QUAD RECEPTACLES IN RECEPTION/ DINING AREA 101	20 1	1080		1725	1 20	VENDING MACHINE	#12	22
23	#12	QUAD RECEPTACLES IN RECEPTION/DINING AREA 101	20 1	1440		1725	1 20	VENDING MACHINE	#12	24
25	#12	EXIT & RESTROOM GF RECEPTACLES, & STD. REC. IN RECS. 103 & 104	20 1	1080		720	1 20	EXHAUST FAN EF-3 IN JAN TOPS CLOSET 11Ø	#12	26
27	#Ø	ELEVATOR MOTOR POWER	20 2	1373		1440	1 20	EXHAUST FAN EF-4 & EF-5 IN RESTROOMS 105 & 106	#12	28
29				1373		1260	1 20	EXT. GF & STD. RECEPTACLES IN HALL 107, 108, 109, 110, & NEAR AHU	#12	30
31	#12	DEDICATED FOR ELEVATOR	20 1	1500		1260	1 20	CAN LIGHTS W/ DIMMER SWITCH IN RECEPTION/DINING AREA 101	#12	32
33	#12	CAN LIGHTS W/ DIMMER SWITCH IN RECEPTION/DINING AREA 101	20 1	1260		Ø20	1 20	CAN LIGHTS W/ DIMMER IN AREA 107, HALL 107, VENDING 113, & EXT. LIGHT	#12	34
35	#12	LIGHTS IN RMS. 104, 105, 106, 108, 110, 111, & 112	20 1	1150		700	1 20	EXTERIOR WALL MOUNTED LIGHTS AT DOORS ON & NEAR FRONT OF BLDG.	#12	36
37	#12	1ST FLOOR EXIT & EMERGENCY LIGHTS	20 1	250		-	1 20	SPARE	-	38
39	-	SPARE	20 1	-		-	1 20	SPARE	-	40
41	-	SPARE	20 1	-		150	1 20	LIGHTS IN THE COOLER & FREEZER	-	42
				TOTAL CONNECTED LOAD (VA) = ØØ,101				GROUND BUS GROUND WIRE (Ø)		
				AØ=29,51Ø BØ=29,241 CØ=29,342						

PANEL: KP-1
LOCATION: BAR AREA WALL ON FIRST FLOOR
FEEDER SOURCE: MDP PANEL

VOLTAGE: 208/120V, 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED 225A PANELBOARD, 22K AIC,
EQUIPMENT GND BAR

Ckt. No.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	Ckt. No.
1				6405		696				2
3	#6	AHU #4 HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #4 BLOWER 5 TON	#12	4
5				6405		696				6
7				1100		1100	1 20	JUNCTION BOX FOR KITCHEN EXHAUST FAN	#12	8
9	#12	JUNCTION BOX FOR KITCHEN EXHAUST FAN	20 1	1100		500	1 20	JUNCTION BOX FOR KITCHEN EXHAUST FAN	#12	10
11	#12	JUNCTION BOX FOR KITCHEN EXHAUST FAN	20 1	1100		500	1 20	JUNCTION BOX FOR KITCHEN EXHAUST FAN	#12	12
13	#12	JUNCTION BOX FOR KITCHEN EXHAUST FAN	20 1	1100		500	1 20	JUNCTION BOX FOR KITCHEN EXHAUST FAN	#12	14
15	#12	JUNCTION BOX FOR KITCHEN EXHAUST FAN	20 1	1100		1700	1 20	KITCHEN HOOD FAN CONTROL CENTER POWER FOR SHUNT TRIP	#12	16
17	#12	JUNCTION BOX FOR DISHWASHER	20 1	1129		1700	1 20	JUNCTION BOX FOR DISHWASHER	#12	18
19	#12	KITCHEN HOOD CENTRAL EXHAUST FAN (Ø7-1)	15	1129		1129	1 15	KITCHEN HOOD CENTRAL EXHAUST FAN (Ø7-2)	#12	20
21				1129		1129				22
23	#12	KITCHEN HOOD AIR MESH SUPPLY FAN (Ø7-1)	15	1129		1608	1 20	MICROWAVE	#12	24
25				1129		1608	1 20	MICROWAVE	#12	26
27	#12	FOOD WARMER	20 1	ØØ4		1084	1 20	FOOD WARMER	#12	28
29	#12	KITCHEN AREA GF RECEPTACLES	20 1	ØØ0		1440	1 15	SODA DISPENSER	#12	30
31				ØØ0		1456	1 20	TEA BREWER	#12	32
33	#12	CASH REGISTER	20 1	240		920	1 20	UNDER-THE-CAR REFRIGERATOR	#12	34
35	#12	ICE MACHINE	20 1	240		912	1 20	QUASS FROSTER	#12	36
37	#12	ICE MACHINE	20 1	240		720	1 20	LIGHTS IN RMS 108, 114, 115, 117, 118, 120, & 201, Ø SCOR	#12	38
39	-	SPARE	20 1	-		200	1 20	SPARE	-	40
41	#12	COFFEE BREWER	20 1	1656		-	1 20	SPARE	-	42
				TOTAL CONNECTED LOAD (VA) = 36,1Ø2				GROUND BUS GROUND WIRE (Ø)		
				AØ=14,402 BØ=19,036 CØ=18,654						

PANEL: HP-2
LOCATION: ELECTRICAL CLOSET ON SECOND FLOOR
FEEDER SOURCE: MDP PANEL

VOLTAGE: 208/120V, 3Ø, 4W
ENCLOSURE: SURFACE MOUNTED 250A PANELBOARD, 22K AIC,
EQUIPMENT GND BAR

Ckt. No.	THIN WIRE SIZE	LOAD DESCRIPTION	BREAKER	LOAD (VA)	AØ BØ CØ	LOAD (VA)	BREAKER	LOAD DESCRIPTION	THIN WIRE SIZE	Ckt. No.
1				6405		696				2
3	#6	AHU #Ø HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #Ø BLOWER 5 TON	#12	4
5				6485		696				6
7				6405		696				8
9	#6	AHU #9 HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #9 BLOWER 5 TON	#12	10
11				6405		696				12
13				6405		696				14
15	#6	AHU #10 HEATER (20 Kw) 5 TON	60 3	6484		697	3 15	AHU #10 BLOWER 5 TON	#12	16
17				6485		696				18
19	#12	CORNER QUAD RECEPTACLES IN RECEPTION/DINING AREA 204	20 1	1440		1080	1 20	QUAD RECEPTACLES IN RECEPTION/ DINING AREA 204 & EXT. GF RECEPT.	#12	20
21	#12	QUAD RECEPTACLES IN RECEPTION/DINING AREA 204	20 1	1440		1795	1 20	VENDING MACHINE	#12	22
23	#12	VENDING MACHINE	20 1	1725		1725	1 20	VENDING MACHINE	#12	24
25	#12	EXHAUST FAN EF-6 & EF-7 IN RESTROOMS 216 & 217	20 1	1800		540	1 20	GF RECEPTACLES IN MEN'S 216, WOMEN'S 217, & EXTERIOR AT ACS	#12	26
27	#12	RECEPTACLES IN HALL 221 AND HALL 221	20 1	900		900	1 20	RECEPTACLES IN HALL 221 AND BRIDES ROOM 222	#12	28
29	#12	LIGHTS IN RECEPTION/DINING AREA 204	20 1	1440		1530	1 20	LIGHTS IN RECEPTION/DINING AREA 204	#12	30
31	#12	LIGHTS IN RECEPTION/DINING AREA 204	20 1	1440		Ø10	1 20	CAN LIGHTS IN AREAS 20Ø, 21Ø, 215, 220, & 221	#12	32
33	#12	LIGHTS IN AREAS 210 & 220, & RMS 216, 217, & 222	20 1	1550		600	1 20	LIGHTS IN AHU CLOSETS 211, 212, 213, 214, 219, & ELEC. CLOSET 218	#12	34
35	#12	EXTERIOR WALL MTD LIGHT & CEILING CAN LIGHTS ON PORCH/BALCONY 223	20 1	550		200	1 20	EXIT & EMERGENCY LIGHTS	#12	36
37	-	SPARE	20 1	-		-	1 20	SPARE	-	38
39	-	SPARE	20 1	-		-	1 20	SPARE	-	40
41	-	SPARE	20 1	-		-	1 20	SPARE	-	42