

BRANCH PANEL: DP

LOCATION: DATA & ELECTRICAL 120
 SUPPLY FROM: ATS
 MOUNTING: SURFACE
 ENCLOSURE: Type 1

VOLTS: 120/208 Wye
 PHASES: 3
 WIRES: 4

A.I.C. RATING:
 MAINS TYPE: MCB
 MAINS RATING: 400 A
 MCB RATING:

NOTES:

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT	
1	PANEL LAC		200 A	3	17.4...	3.9 kVA		3	100 A		PANEL L1	2	
3					17.4 kVA	5.1 kVA						4	
5							15.5 kVA	4.9 kVA				6	
7	PANEL L2		100 A	3	8.0 kVA	6.8 kVA		3	100 A		PANEL L3	8	
9					8.0 kVA	3.9 kVA						10	
11							7.2 kVA	4.2 kVA				12	
13	FCU-1		#12	25 A	3	2.5 kVA	0.0 kVA		2	20 A	#12	CU-1	14
15					2.5 kVA	0.0 kVA						16	
17							2.5 kVA		1			18	
19	SPACE								1			20	
21	SPACE								1			22	
23	SPACE								1			24	
25	SPACE								1			26	
27	SPACE								1			28	
29	SPACE								1			30	
31	SPACE								1			32	
33	SPACE								1			34	
35	SPACE								1			36	
37	SPACE					0.0 kVA			3	30 A		38	
39	SPACE					0.0 kVA						40	
41	SPACE						0.0 kVA					42	
					TOTAL LOAD:	39852 VA	38121 VA	34314 VA					
					TOTAL AMPS:	337 A	323 A	286 A					

LEGEND:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	57928 VA	100.00%	57928 VA	
Lighting	5476 VA	125.00%	6844 VA	TOTAL CONN. LOAD: 112666 VA
Lighting - Exterior	1447 VA	125.00%	1808 VA	TOTAL EST. DEMAND: 109371 VA
Power	28060 VA	100.00%	28060 VA	TOTAL CONN.: 312 A
Receptacle	19620 VA	75.48%	14810 VA	TOTAL EST. DEMAND: 304 A

NOTES:

BRANCH PANEL: L1

LOCATION: DATA & ELECTRICAL 120
 SUPPLY FROM: DP
 MOUNTING: SURFACE
 ENCLOSURE: Type 1

VOLTS: 120/208 Wye
 PHASES: 3
 WIRES: 4

A.I.C. RATING:
 MAINS TYPE: MLO
 MAINS RATING: 100 A
 MCB RATING:

NOTES:

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT			
1	DRIVE THRU CANOPY LIGHTS *		#12	20 A	1	0.2 kVA	0.2 kVA		1	20 A	#12	LIGHTING	2		
3	LIGHTING - EXTERIOR *		#12	20 A	1		0.1 kVA	1.1 kVA		1	20 A	#12	LIGHTING	4	
5	SIGN *		#12	20 A	1			1.2 kVA	0.5 kVA		1	20 A	#12	LIGHTING	6
7	SIGN *		#12	20 A	1	1.2 kVA	0.9 kVA							8	
9	SIGN *		#12	20 A	1		1.2 kVA	1.0 kVA						10	
11	TOWER LIGHTS *		#12	20 A	1			0.0 kVA	1.5 kVA		1	20 A	#12	LANE LIGHTS	12
13	SIGN *		#10	20 A	1	1.0 kVA	0.2 kVA							14	
15	SIGN *		#12	20 A	1		1.2 kVA	0.5 kVA						16	
17	SIGN *		#12	20 A	1			1.2 kVA	0.5 kVA		1	20 A	#10	LIGHTING - EXTERIOR *	18
19						0.2 kVA								20	
21	SPARE				20 A	1		0.0 kVA	0.0 kVA		1	20 A		22	
23	SPARE				20 A	1		0.0 kVA	0.0 kVA		1	20 A		24	
25	SPARE				20 A	1	0.0 kVA	0.0 kVA			1	20 A		26	
27	SPARE				20 A	1		0.0 kVA	0.0 kVA		1	20 A		28	
29	SPARE				20 A	1		0.0 kVA	0.0 kVA		1	20 A		30	
31	SPARE				20 A	1	0.0 kVA	0.0 kVA			1	20 A		32	
33	SPARE				20 A	1		0.0 kVA	0.0 kVA		1	20 A		34	
35	SPARE				20 A	1		0.0 kVA	0.0 kVA		1	20 A		36	
37	SPARE				20 A	1	0.0 kVA	0.0 kVA			3	30 A		38	
39	SPARE				20 A	1		0.0 kVA	0.0 kVA					40	
41	SPARE				20 A	1		0.0 kVA	0.0 kVA					42	
					TOTAL LOAD:	3874 VA	5067 VA	4926 VA							
					TOTAL AMPS:	32 A	44 A	42 A							

LEGEND:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
Lighting	5476 VA	125.00%	6844 VA	
Lighting - Exterior	1447 VA	125.00%	1808 VA	TOTAL CONN. LOAD: 13864 VA
Power	7000 VA	100.00%	7000 VA	TOTAL EST. DEMAND: 15581 VA
				TOTAL CONN.: 38 A
				TOTAL EST. DEMAND: 43 A

NOTES:

* - EXTERIOR LIGHTING CONTROL:
 AUTO OFF WHEN DAYLIGHT AVAILABLE. FACADE, LANDSCAPE LIGHTS AUTO OFF WITH FUNCTION OF DUSK/DOWN AND OPEN CLOSE TIME.
 REDUCE LIGHTING => 30% NO LATER THAN MIDNIGHT TO 6am, ONE HOUR AFTER CLOSING TO ONE HOUR BEFORE OPENING, OR WHEN NO ACTIVITY FOR > 15 MINUTES.
 PROVIDE 20A POWER PACK(S) AS REQUIRED.

BRANCH PANEL: LAC

LOCATION: DATA & ELECTRICAL 120
 SUPPLY FROM: DP
 MOUNTING: SURFACE
 ENCLOSURE: Type 1

VOLTS: 120/208 Wye
 PHASES: 3
 WIRES: 4

A.I.C. RATING:
 MAINS TYPE: MLO
 MAINS RATING: 200 A
 MCB RATING:

NOTES:

CKT	CIRCUIT DESCRIPTION	WIRE	TRIP	POLES	A	B	C	POLES	TRIP	WIRE	CIRCUIT DESCRIPTION	CKT	
1	FCU-2		#12	25 A	3	2.5 kVA	0.0 kVA		2	20 A	#12	CU-2	2
3						2.5 kVA	0.0 kVA						4
5							2.5 kVA	0.0 kVA					6
7	FCU-3		#10	30 A	3	3.5 kVA	0.0 kVA						8
9						3.5 kVA	0.0 kVA						10
11							3.5 kVA	0.0 kVA					12
13	FCU-4		#12	25 A	3	2.5 kVA	0.0 kVA						14
15						2.5 kVA	0.0 kVA						16
17							2.5 kVA	0.0 kVA					18
19	FCU-5		#10	30 A	3	3.5 kVA	0.0 kVA						20
21						3.5 kVA	0.0 kVA						22
23							3.5 kVA	0.0 kVA					24
25	FCU-6		#10	30 A	3	3.5 kVA							26
27						3.5 kVA							28
29							3.5 kVA						30
31	FCU-7		#12	20 A	2	2.0 kVA							32
33						2.0 kVA							34
35	SPACE												36
37	SPACE					0.0 kVA							38
39	SPACE						0.0 kVA						40
41	SPACE						0.0 kVA						42
					TOTAL LOAD:	17449 VA	17449 VA	15473 VA					
					TOTAL AMPS:	148 A	148 A	129 A					

LEGEND:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS
HVAC	50371 VA	100.00%	50371 VA	
				TOTAL CONN. LOAD: 50371 VA
				TOTAL EST. DEMAND: 50371 VA
				TOTAL CONN.: 140 A
				TOTAL EST. DEMAND: 140 A

NOTES:

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MOUNTING	LAMPS/WATTS	TYPE	VOLTS	REMARKS
A1	WILLIAMS #FT-24-LS-8CS-AF-DIM-UNV	RECESSED	48	LED	UNV	
A1E	WILLIAMS #LT-24-LS-8CS-AF-DIM-UNV-EM10W	RECESSED	48.5	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
A2	WILLIAMS #FT-24-LS-8CS-AF-DIM-UNV	RECESSED	39	LED	UNV	
A2E	WILLIAMS #FT-24-LS-8CS-AF-DIM-UNV-EM10W	RECESSED	39	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
A3	WILLIAMS #FT-24-LS-8CS-AF-DIM-UNV	RECESSED	27	LED	UNV	
A3E	WILLIAMS #FT-24-LS-8CS-AF-DIM-UNV-EM10W	RECESSED	27	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
A4	WILLIAMS #50G-S24-L33839-SAF12125-DIM-UNV	RECESSED	24.9	LED	UNV	
A4E	WILLIAMS #50G-S24-L33839-SAF12125-DIM-UNV-EM10W	RECESSED	24.9	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
B1	WILLIAMS #FT-22-LC-8CS-AF-DIM-UNV	RECESSED	33	LED	UNV	
B1E	WILLIAMS #FT-22-LC-8CS-AF-DIM-UNV-EM10W	RECESSED	33	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
B2E	WILLIAMS #FT-22-LC-8CS-AF-DIM-UNV-EM10W	RECESSED	24	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
D	WILLIAMS #4FDR-LS-8CS-CS-DIM-UNV	RECESSED	14	LED	UNV	
DE	WILLIAMS #4FDR-LS-8CS-CS-DIM-UNV-EM10W	RECESSED	14	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
E	PENDANT TO BE SELECTED	PENDANT	4-100	LED	UNV	
H	INVISILED PRO 3 RLED-TE24-30-XX-WT	SURFACE	5W/FT	LED	UNV	COORDINATE THE NUMBER OF DRIVERS PER LENGTH OF LIGHT.
J	SLG #TSS-4-30/40/50-G1-FSK	SURFACE	40	LED	UNV	
UC	RAB LIGHTING #KNOOKFA-24-3500K-W-120	SURFACE	17	LED	UNV	
UC2	RAB LIGHTING #KNOOKFA-32-3500K-W-120	SURFACE	11	LED	UNV	
X	COMPASS #CEG	SURFACE	1.5	LED	UNV	WITH 90 MINUTE BATTERY BACKUP
EXTERIOR						
DW	Halo #HC615D010-HM60525840-61MDH	RECESSED	28	LED	UNV	
DWE	Halo HC615D010-HM60525840-61MDH	RECESSED	28	LED	UNV	* WITH 90 MINUTE BATTERY BACKUP
P3	MCGRAW EDISON #GALN-SAAD-740-U-T3-LS-HSS	25' POLE	245	LED	UNV	
P4WA	MCGRAW EDISON #GALN-SAAD-740-U-T4W-LS-HSS	25' POLE	245	LED	UNV	
P4WB	MCGRAW EDISON #GALN-SAAD-740-U-T4W	25' POLE	245	LED	UNV	
WP	McGraw Edison #GKO-PB2B-740-U-T4W	SURFACE	60	LED	UNV	
WPZE	McGraw Edison #GKO-PB2B-740-U-T4W	SURFACE	60	LED	UNV	* WITH 90 MINUTE BATTERY BACKUP

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