Label	Designation	AMP	Phase	Main	Circuit	Mount.	NEMA	Voltage		STYLE	A.I.C.
H1	HIGH VOLTAGE PANEL - LEVEL 1	400	3	MLO	42	Surface	1	277	480	PANELBOARD	65K
	FED FROM 'MSW'										

Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load KW		B Phase Load KW		C Phase Load KW		Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #
1	VAV-1-1-6 - 1ST FLOOR OFFICES	12	20	3	H	4.00	4.47					H	3	25	10	VAV-1-1-4 - 1ST FLOOR OFFICES	2
3					H			4.00	4.07			H					4
5					H					4.00	4.47	H					6
7	VAV-1-1-7 - 1ST FLOOR OFFICES	12	20	3	H	4.00	5.00					H	3	20	10	VAV-1-1-3 - 1ST FLOOR OFFICES	8
9					H			4.00	5.00			H					10
11					H					4.00	5.00	H					12
13	LIGHTING - BUILDING SIGN	12	20	1	L	1.00	0.85					L	1	20	12	LIGHTING - 1ST LEVEL	14
15	LIGHTING - 1ST LEVEL	12	20	1	L			0.30	3.33			H	3	25	10	VAV-1-1-2 - 1ST FLOOR OFFICES	16
17	LIGHTING - 1ST LEVEL	12	20	1	L					0.54	3.23	H					18
19	LIGHTING - 1ST LEVEL	12	20	1	L	0.62	3.35					H					20
21	LIGHTING - 1ST LEVEL	12	20	1	L			0.94								Space	22
23	Space															Space	24
25	Space															Space	26
27	Space															Space	28
29	Space															Space	30
31	Space															Space	32
33	Space															Space	34
35	Space															Space	36
37	**Plaza Ept Panel (Future) 'HP'**	**2/0 AL**	**125**	**3**	**S**	**19.87**	[illegible]					S	3	175	3/0 AL	PANEL 'L1' VIA XFMR 'T-L1'	38
39					**S**			**19.34**	[illegible]			S					40
41					**S**					**19.68**	[illegible]	S					42

Phase KW	92.247	95.527	89.966
Phase Demand KW	92.895	95.687	90.110
Total KW	277.741	Total Amps	334.08
Total Demand KW	278.692	Dem Load Amps	335.22

LIGHTING "L": 3.805 KVA @ 1.25 DF= 4.756 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER 0.0 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 0.000 KVA, TOTAL + 25% OF LARGEST 0.0 KVA
HEATING "H": 62.991 KVA @ 1.00 DF= 62.991 KVA
MISC "S": 210.94 KVA @ 1.00 DF= 210.94 KVA

EXISTING 'H1' PANEL THAT FEEDS 'HP' PLAZA PANEL. LOCATED AT SURGE BUILDING'S MAIN ELECTRICAL ROOM (SEE SHEET E1.01).

Label	Designation	AMP	Phase	Main	Circuit	Mount.	NEMA	Voltage		STYLE	A.I.C.
HP	HIGH VOLTAGE PANEL	125	3	MLO	42	Surface	3R	277	480	PANELBOARD	65K
	FED FROM 'H1' (Surge Building)										

Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load KW		B Phase Load KW		C Phase Load KW		Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #
1	Fountain Pump	12	20	3	M	2.11										Space	2
3					M			2.11								Space	4
5					M					2.11						Space	6
7	Space															Space	8
9	Space															Space	10
11	Space															Space	12
13	Space															Space	14
15	Space															Space	16
17	Space															Space	18
19	Space															Space	20
21	Space															Space	22
23	Space															Space	24
25	Space															Space	26
27	Space															Space	28
29	Space															Space	30
31	Space															Space	32
33	Space															Space	34
35	Space															Space	36
37	Space						17.23					S	3	[illegible]	[illegible] AL	PANEL 'LP' VIA XFMR 'T-LP'	38
39	Space								16.71			S					40
41	Space										17.04	S					42

Phase KW	19.343	18.815	19.153
Phase Demand KW	19.870	19.343	19.680
Total KW	57.310	Total Amps	68.94
Total Demand KW	58.893	Dem Load Amps	70.84

LIGHTING "L": 0.000 KVA @ 1.25 DF= 0.000 KVA
RECEPT "R": 0.000 KVA, 1ST 10KVA + 50% OF REMAINDER 0.0 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": [illegible] KVA, TOTAL + 25% OF LARGEST 7.9 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 50.9[illegible] KVA @ 1.00 DF= 50.98 KVA

Label	Designation	AMP	Phase	Main	Circuit	Mount.	NEMA	Voltage		STYLE	A.I.C.
LP	LOW VOLTAGE PANEL	200	3	[illegible]	42	Surface	3R	120	208	PANELBOARD	10K
	FED FROM 'HP' VIA XFMR 'T-LP'										

Ckt. #	Circuit Description	Wire Size	Trip Amps	Brkr. Pole	Load Type	A Phase Load KW		B Phase Load KW		C Phase Load KW		Load Type	Brkr. Pole	Trip Amps	Wire Size	Circuit Description	Ckt. #
1	Lighting (Fountain)	12	20	1	L	0.30	0.26					L	1	20	12	Lighting	2
3	Lighting	12	20	1	L			0.30	1.20			L	1	20	12	Lighting	4
5	Lighting	12	20	1	L					1.20	0.60	L	1	20	12	Lighting	6
7	Lighting	12	20	1	L	0.79	0.60					L	1	20	12	Lighting	8
9	Lighting	12	20	1	L			0.20	1.20			L	1	20	12	Lighting	10
11	Receptacles	12	20	1	R					1.44	1.37	M	2	20	12	Water Feature Pump	12
13	Receptacles	12	20	1	R	1.80	1.37					M	"	"	"	"	14
15	Space															Space	16
17	Space															Space	18
19	Space															Space	20
21	Space															Space	22
23	Space															Space	24
25	Space															Space	26
27	Space															Space	28
29	Space															Space	30
31	Space															Space	32
33	Space															Space	34
35	Space															Space	36
37	Event Cam Lock	1 AL	125	3	S	12.00										Space	38
39					S			12.00								Space	40
41					S					12.00						Space	42

Phase KW	17.122	14.900	16.610
Phase Demand KW	17.233	16.705	17.043
Total KW	48.632	Total Amps	134.99
Total Demand KW	51.323	Dem Load Amps	142.46

LIGHTING "L": 6.652 KVA @ 1.25 DF= 8.315 KVA
RECEPT "R": 3.240 KVA, 1ST 10KVA + 50% OF REMAINDER 3.2 KVA
A/C "A": 0.000 KVA @ 1.00 DF= 0.000 KVA
KITCHEN "K": 0.000 KVA @ .65 DF= 0.000 KVA
MOTOR "M": 2.740 KVA, TOTAL + 25% OF LARGEST 3.77 KVA
HEATING "H": 0.000 KVA @ 1.00 DF= 0.000 KVA
MISC "S": 36.00 KVA @ 1.00 DF= 36.00 KVA

LIGHTING CONTROLS SCHEDULE

Area/Space	Zone #	Ckt #	Panel	Crestron Module	Input	Output	Fixture Type	Load Type	Dim	Total Wattage	Qty
Bench tapelight	1	LP-6	Site Dimming Panel	DIMFLV8	1	1	SS1	0-10V	Y	300	2
Core/Plex Shades	2	LP-6	Site Dimming Panel	2DIM8-1	1	1	SF3	FWD	Y	600	24
West Side trees	3	LP-6	Site Dimming Panel	2DIM8-1	1	3	SF5	FWD	Y	300	10
North Side trees	4	LP-8	Site Dimming Panel	2DIM8-1	1	4	SF5	FWD	Y	300	10
Medjuls	5	LP-8	Site Dimming Panel	2DIM8-1	2	5	SF2	FWD	Y	300	12
ThinkStation	6	LP-7	Site Dimming Panel	DIMFLV8	1	2	SD1	0-10V	Y	200	12
Royals	7	LP-5	Site Dimming Panel	2DIM8-2	2	2	SF4	FWD	Y	1200	12
East Side trees	8	LP-3	Site Dimming Panel	2DIM8-1	2	8	SF5	FWD	Y	300	24
Planters tapelight	9	LP-9	Site Dimming Panel	DIMFLV8	2	3	SS2	0-10V	Y	300	16
Foxtails	10	LP-4	Site Dimming Panel	2DIM8-1	2	6	SF1	FWD	Y	300	14
Bollards	11	LP-2	Site Dimming Panel	DIMFLV8	2	4	SB3	0-10V	Y	300	10
Core Entry Shade	12	LP-4	Site Dimming Panel	2DIM8-1	2	7	SF3	FWD	Y	300	8
Fountain	13	LP-10	DMX Control		Pharos		SU1	DMX	Y		9
Fountain	13	LP-10	DMX Control		Pharos		SU2	DMX	Y		9

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STATE OF FLORIDA
PROFESSIONAL ENGINEER
6/28/18

Key Plan:

N

PDI - PLAZA

1000 118th Ave North
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CADD Technician: E. Cruz
Date Signed:
Designer: A. Baez
Engineer: A. Zotescu
Superintendent:

06/29/2018
Permit Set

PANEL SCHEDULES - PLAZA

Date Issued: June 29, 2018

Sheet Number: E6.01

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