

RELAY PANEL "RP"

RELAY NUMBER	PANEL AND CIRCUIT NUMBER	RELAY CONTROL ZONE	CONTROL ZONE LOCATION	PRIMARY CONTROL SOURCE	SECONDARY CONTROL SOURCES	NOTES
1	LP-41	a	Coil in Contactor C1	PC	none	1
2	LP-41	b	Coil in Contactor C2	PC	TC	2
3	LP-6	c	South Plaza Ltg.	PC	none	3
4	LP-8	d	North Plaza Ltg.	PC	none	3
5	LP-2	e	Exterior Bldg. Ltg.	PC	none	3
6	LP-4	f	Water Wall Lighting	PC	TC	2
7	LP-2	g	Water Wall Lighting	PC	TC	2
8	LP-4	h	Water Wall Lighting	PC	TC	2
9	LP-16	j	Water Wall Lighting	PC	TC	2
10	LP-16	k	Water Wall Lighting	PC	TC	2
11	LP-20	m	Water Wall Lighting	PC	TC	2
12	LP-22	n	Water Wall Lighting	PC	TC	2
13	LP-10	p	Fountain Lighting	PC	TC	2
14	spare relay	q				
15	spare relay	r				
16	spare relay	s				
17	spare relay	t				
18	spare relay	u				
19	spare relay	v				
20	spare relay	w				
21	spare relay	x				
22	spare relay	y				
23	spare relay	z				
24	spare relay	aa				
25	space for spare relay	bb				
26	space for spare relay	cc				
27	space for spare relay	dd				
28	space for spare relay	ee				
29	space for spare relay	ff				
30	space for spare relay	gg				
31	space for spare relay	hh				
32	space for spare relay	ii				

CONTROL SOURCE LEGEND

PC = PHOTOCCELL
TC = TIME CLOCK (within relay panel controller)

NOTES

- Note 1 - Photocell controls coil of contactor (via relay) to turn lights "ON" and "OFF" (dusk to dawn operation).
 Note 2 - Photocell controls coil of contactor (via relay) to turn lights "ON", time clock controls coil of contactor (via relay) to turn lights "OFF".
 Note 3 - Photocell controls relay to turn lights "ON" and "OFF" (dusk to dawn operation).

NOTE

EXISTING RELAY PANEL FURNISHED UNDER A PREVIOUS CONSTRUCTION PHASE. ALL RELAYS ARE EXISTING. RELAYS 3 AND 5 ARE UTILIZED FROM A PREVIOUS CONSTRUCTION PHASE AND ARE TO REMAIN. ALL OTHER EXISTING RELAYS ARE FOR NEW LOADS INSTALLED AS PART OF THIS CONTRACT.

LIGHTING FIXTURE SCHEDULE

TYPE	VOLTS	FIXTURE TYPE	MOUNTING	LAMPS	REFLECTOR/DIFFUSER	FEATURES	APPROVED MANUFACTURERS
A	120	4'x1' FLUORESCENT VANDAL RESISTANT	SURFACE - WALL EXISTING ROUGH-IN IN STAIR TOWER - SEE ELEVATIONS FOR ADDITIONAL INFORMATION	(2) F32T8/TL835 PLUS/ALTO	.156 CLEAR PRISMATIC ACRYLIC LENS	16 GAUGE STEEL HOUSING, ELECTRONIC 0' START COLD WEATHER BALLAST, WHITE POWER COAT FINISH	FAILSAFE FWS-232-120-EBB1 LITHONIA DAYBRITE COLUMBIA
AE	120	4'x1' FLUORESCENT VANDAL RESISTANT WITH EMERGENCY BATTERY BALLAST	SURFACE - CEILING / WALL ON EXISTING ROUGH-IN IN STAIR TOWER - SEE ELEVATIONS FOR ADDITIONAL INFORMATION	(2) F32T8/TL835 PLUS/ALTO	.156 CLEAR PRISMATIC ACRYLIC LENS	16 GAUGE STEEL HOUSING, ELECTRONIC 0' START COLD WEATHER BALLAST, WHITE POWER COAT FINISH, BODINE B50 EMERGENCY BATTERY BALLAST	FAILSAFE FWS-232-120-EBB1-B50 LITHONIA DAYBRITE COLUMBIA
B	120	FLUORESCENT WALL SCONCE	SURFACE - WALL	(1) PL-L 36W/830	OPAL GLASS DIFFUSER	ELECTRONIC BALLAST WITH -15' STARTING, CUSTOM COLOR	BEGA 4482P
C	120	4'x1' FLUORESCENT VANDAL RESISTANT	SURFACE - WALL	(2) F032/830/ECO	.156 CLEAR PRISMATIC ACRYLIC LENS	16 GAUGE STEEL HOUSING, ELECTRONIC 0' START COLD WEATHER BALLAST, WHITE POWER COAT FINISH	FAILSAFE FWW-232-120-EBB1 LITHONIA DAYBRITE COLUMBIA
D	120	COMPACT FLUORESCENT SURFACE DOWNLIGHT	SURFACE - CEILING	(1) PL-T 42W/830	.225 BOROSILICATE GLASS	CAST ALUMINUM HOUSING, ELECTRONIC 0' START BALLAST, BLACK FINISH, DUAL VOLTAGE BALLAST	FAILSAFE ROS-12-42CT-DT-BK LITHONIA DAYBRITE COLUMBIA
E	120	4'-0" LINEAR FLUORESCENT	SURFACE - CEILING	(1) F54T5/830/HO	SEMI SPECULAR ALUMINUM REFLECTOR WITH ACRYLIC LINEAR DIFFUSING LENS	20 GAUGE STEEL HOUSING, RECTANGULAR PROFILE, ELECTRONIC BALLAST, SINGLE CIRCUIT, TITANIUM SILVER FINISH	FOCAL POINT FMEC-4-1T5HO-1C-120-S-CM-TS
F	120	2'-0" LINEAR FLUORESCENT	SURFACE - CEILING	(1) F24T5/830/HO	SEMI SPECULAR ALUMINUM REFLECTOR WITH ACRYLIC LINEAR DIFFUSING LENS	20 GAUGE STEEL HOUSING, RECTANGULAR PROFILE, ELECTRONIC BALLAST, SINGLE CIRCUIT, TITANIUM SILVER FINISH	FOCAL POINT FMEC-2-1T5HO-1C-120-S-CM-TS
G	120	HID INGROUND LANDSCAPE FIXTURE	INGROUND	(1) CDM35/T6/830	BOROSILICATE LENS WITH CAST ALUMINUM GUARD	DIE CAST ALUMINUM HOUSING, HIGH POWER FACTOR BALLAST, SINGLE 60' OPENING, BLACK FINISH	BEGA 8714MH
H	120	COMPACT FLUORESCENT FIXTURE	SURFACE - WALL 36" ABOVE THE BOTTOM OF THE PIT	(1) PL-C 15MM 22W	POLYCARBONATE GLOBE	DIE CAST ALUMINUM HOUSING, DARK BRONZE FINISH, NORMAL POWER FACTOR BALLAST, UL LISTED WET LOCATION	HALO H2432BZ CAPRI FWY14 (FOR 2X0FT7W/G23 FLUORESCENT) LITHONIA WPCW-22DTT PRESCOLITE WB13-2
J		NOT USED					
K	120	HID LIGHT COLUMN	POLE MOUNTED SEE DETAIL 7, SHEET E6-01	(1) CDM150/T6/830	ANODIZED ALUMINUM REFLECTOR	STAINLESS STEEL FINISH, IP66	LUMESCAPE-SCHREDER NEC-150MH-120-SS
L	120	INCANDESCENT UNDERWATER FLOOD LIGHT	GROUND MOUNTED SEE DETAIL ON DRAWINGS	(1) 35AR111/SP4	-	PROVIDE FIXTURE MANUFACTURER'S TRANSFORMER, WATTAGE AS REQUIRED.	LUMESCAPE LS265A-3 OR APPROVED EQUAL
M	208	HID FLOODLIGHT ASSEMBLY	POLE MOUNTED SEE DETAIL D, SHEET E6-01	(1) MH1000/U FOR EACH FLOODLIGHT	IES BEAM 8X26 - SPOT 154' TILT IES BEAM 13X53 - FLOOD 140' TILT IES BEAM 13X84 - FLOOD 122' TILT	ALUMINUM POLE WITH THREE HEAD BRACKET, DECORATIVE BASE COVER, 2" SLIPFITTING MOUNTING FOR FLOODLIGHT, FOUR SIDE SHIELD, BLACK FINISH	STERNER 595-SF-4S-924-H-208-E STERNER 595-SF-4S-1250-H-208-E STERNER 595-SF-4S-1270-H-208-E HAPCO 51-007 POLE AND 63-006 ARM
N	208	HID SITE LIGHTING LUMINAIRE	POLE MOUNTED SEE DETAIL A SHEET E6-02, AND DETAIL E SHEET E6-01	(1) MH400/U	SEGMENTED ALUMINUM TYPE 3	ALUMINUM POLE, UL LISTED WET LOCATION, GASKETED, PLATINUM SILVER FINISH, HIGH POWER FACTOR BALLAST	KM 1A-AR3-400MH208-PSP-PSA25-5188 GAROCO GULLWING INVUE
P	120	IN-GROUND FLOODLIGHT	GROUND	(1) 70W METAL HALIDE	GRIP GLASS	-	LUMESCAPE LS343-22N5X104-GG-HT OR APPROVED EQUAL
X	120	SINGLE FACE EXIT SIGN	SURFACE - WALL	LIGHT EMITTING DIODES FURNISHED WITH THE FIXTURE	-	SINGLE FACE, RED LETTERS ON WHITE BACKGROUND, UL LISTED OUTDOOR WET LOCATION, DIE CAST ALUMINUM HOUSING	FAILSAFE XLH-1-RW

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