NOTES – LIGHTING CONTACTORS

1. LIGHTING CONTACTORS SHALL BE ELECTRICALLY HELD, 30 AMP, MULTI-POLE, OPEN TYPE, 277 VOLT COIL, EQUAL TO G.E. CR463. ALL SEVEN LIGHTING CONTACTORS SHALL BE MOUNTED INSIDE HOFFMAN TYPE NEMA 1 ENCLOSURE. ENCLOSURE SIZE SHALL BE APPROXIMATELY 24" WIDE, 36" HIGH, 6" DEEP WITH HINGED DOOR. CONTRACTOR SHALL PROVIDE EXACT ENCLOSURE SIZE AS NEEDED.

2. CONTACTORS NQ, EQ, SQ, AND WQ (IMPACT LIGHTS) SHALL BE CONTROLLED BY OWNER FURNISHED SECURITY ZONE SIGNAL. COORDINATE EXACT REQUIREMENTS AND CONTROL VOLTAGE WITH OWNER. CONTRACTOR SHALL FURNISH AND INSTALL ONE MANUAL OVERRIDE SWITCH TO TURN ON ALL FOUR CONTACTORS (NQ, EQ, SQ, WQ). MANUAL OVERRIDE SWITCH SHALL BE LOCATED AT UPPER LEVEL OF TOWER NO 3 AS DIRECTED BY OWNER. LABEL SWITCH "IMPACT LIGHTS – OVERRIDE"

3. CONTACTOR CA, CB, AND CC (YARD LIGHTS SHALL BE CONTROLLED BY ONE MANUAL "ON-OFF" SWITCH FURNISH AND INSTALLED BY CONTRACTOR. THIS SWITCH SHALL BE LOCATED AT UPPER LEVEL OF TOWER NO. 3 AS DIRECTED BY OWNER. LABEL SWITCH "YARD LIGHTS".

LIGHTING CONTACTOR SCHEDULE

CONTACTOR MARK	CIRCUITS CONTROLLED IN PANEL FL	NO. OF POLES	CONTROLLED BY
NQ	5, 11, 40, 46	6	NORTH FENCE SECURITY ZONE MANUAL OVERIDE – TOWER 3
EQ	17, 23, 29	6	EAST FENCE SECURITY ZONE MANUAL OVERIDE – TOWER 3
SQ	2, 8, 18, 35, 39	8	SOUTH FENCE SECURITY ZONE MANUAL OVERIDE – TOWER 3
WQ	20, 26, 34	6	WEST FENCE SECURITY ZONE MANUAL OVERIDE – TOWER 3
CA	1, 3, 7, 9, 13, 15, 19, 21, 25, 27, 31, 33	12	MANUAL SWITCH – TOWER 3
CB	4, 6, 10, 12, 14, 16, 22, 24, 28, 30, 37, 41	12	MANUAL SWITCH – TOWER 3
CC	32, 36, 38, 42, 44, 48, 50, 52, 58, 60	12	MANUAL SWITCH – TOWER 3

FENCE LIGHTING & CIRCUIT SCHEDULE

POLE NO.	MTG. HEIGHT	FIXT. TOTAL & TYPE	CIRCUIT HOMERUN FROM POLE TO PANEL FL	CIRCUIT NO. & CIRCUIT BRK.	THRU LTG. CONTACTOR	FIXTURES/ CIRCUIT	WATTS/ CIRCUIT
P1	40'	2-EM 4-S 2-Q	4#4 & 1#8 (G) - 1 1/2"C.	FL-1 (30/1P)	CA	1-EM & 2-S	2875
				FL-3 (30/1P)	CA	1-EM & 2-S	2875
				FL-5 (30/1P)	NQ	2-Q	1800
P2	40'	2-EM 4-S 2-Q	4#6 & 1#10 (G) - 1 1/2"C.	FL-7 (30/1P)	CA	1-EM & 2-S	2875
				FL-9 (30/1P)	CA	1-EM & 2-S	2875
				FL-11 (30/1P)	NQ	2-Q	1800
P3	40'	2-EM 4-S 2-Q	4#6 & 1#10 (G) - 1 1/2"C.	FL-13 (30/1P)	CA	1-EM & 2-S	2875
				FL-15 (30/1P)	CA	1-EM & 2-S	2875
				FL-17 (30/1P)	EQ	2-Q	1800
P4	40'	2-EM 4-S 2-Q	4#6 & 1#10 (G) - 1 1/2"C.	FL-19 (30/1P)	CA	1-EM & 2-S	2875
				FL-21 (30/1P)	CA	1-EM & 2-S	2875
				FL-23 (30/1P)	EQ	2-Q	1800
P5	40'	2-EM 4-S 2-Q	4#8 & 1#10 (G) - 1 1/4"C.	FL-25 (30/1P)	CA	1-EM & 2-S	2875
				FL-27 (30/1P)	CA	1-EM & 2-S	2875
				FL-29 (30/1P)	EQ	2-Q	1800
P6	40'	2-EM 2-S 2-Q	4#10 & 1#10 (G) - 1"C.	FL-31 (30/1P)	CA	1-EM & 1-S	1775
				FL-33 (30/1P)	CA	1-EM & 1-S	1775
				FL-35 (30/1P)	SQ	2-Q	1800
P7	40'	2-EM 4-S 2-Q	4#10 & 1#10 (G) - 1"C.	FL-37 (30/1P)	CB	1-EM & 2-S	2875
				FL-39 (30/1P)	SQ	2-Q	1800
				FL-41 (30/1P)	CB	1-EM & 2-S	2875
P8	40'	2-EM 4-S 2-Q	4#10 & 1#10 (G) - 1"C.	FL-2 (30/1P)	SQ	2-Q	1800
				FL-4 (30/1P)	CB	1-EM & 2-S	2875
				FL-6 (30/1P)	CB	1-EM & 2-S	2875
P9	40'	2-EM 4-S 2-Q	4#10 & 1#10 (G) - 1"C.	FL-8 (30/1P)	SQ	2-Q	1800
				FL-10 (30/1P)	CB	1-EM & 2-S	2875
				FL-12 (30/1P)	CB	1-EM & 2-S	2875
P10	40'	2-EM 2-S 2-Q	4#10 & 1#10 (G) - 1"C.	FL-14 (30/1P)	CB	1-EM & 1-S	1775
				FL-16 (30/1P)	CB	1-EM & 1-S	1775
				FL-18 (30/1P)	SQ	2-Q	1800
P11	40'	2-EM 4-S 2-Q	4#8 & 1#10 (G) - 1 1/4"C.	FL-20 (30/1P)	WQ	2-Q	1800
				FL-22 (30/1P)	CB	1-EM & 2-S	2875
				FL-24 (30/1P)	CB	1-EM & 2-S	2875
P12	40'	2-EM 4-S 2-Q	4#6 & 1#10 (G) - 1 1/2"C.	FL-26 (30/1P)	WQ	2-Q	1800
				FL-28 (30/1P)	CB	1-EM & 2-S	2875
				FL-30 (30/1P)	CB	1-EM & 2-S	2875
P13	40'	2-EM 3-S 2-Q	4#6 & 1#10 (G) - 1 1/2"C.	FL-32 (30/1P)	CC	1-EM & 2-S	2875
				FL-34 (30/1P)	WQ	2-Q	1800
				FL-36 (30/1P)	CC	1-EM & 3-S	3975
P14	40'	2-EM 4-S 2-Q	4#6 & 1#10 (G) - 1 1/2"C.	FL-38 (30/1P)	CC	1-EM & 2-S	2875
				FL-40 (30/1P)	NQ	2-Q	1800
				FL-42 (30/1P)	CC	1-EM & 2-S	2875
P15	40'	2-EM 6-S 2-Q	4#4 & 1#8 (G) - 1 1/2"C.	FL-44 (30/1P)	CC	1-EM & 3-S	3975
				FL-46 (30/1P)	NQ	2-Q	1800
				FL-48 (30/1P)	CC	1-EM & 3-S	3975
P16	100'	2-EM 6-S	3#6 & 1#10 (G) - 1 1/2"C.	FL-50 (30/1P)	CC	1-EM & 3-S	3975
				FL-52 (30/1P)	CC	1-EM & 3-S	3975
P17	100'	2-EM 6-S	3#8 & 1#10 (G) - 1 1/4"C.	FL-58 (30/1P)	CC	1-EM & 3-S	3975
				FL-60 (30/1P)	CC	1-EM & 3-S	3975

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