



PROPOSED SINGLE LINE DIAGRAM LIGHTING CONTROLLER "N"

PROPOSED SINGLE LINE DIAGRAM EXISTING POWER CABINET "I" (PCI)

**LOAD TABLE
PROPOSED LIGHTING CONTROLLER "N"
(@ 240 VOLTS)**

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	4.6	1104	B	4.6	1104
C	3.3	792	D	3.3	792
E	8	1920	F	8	1920
G	8	1920	H	8	1920
TOTAL	23.9	5736	TOTAL	23.9	5736

TOTAL LOAD ON CONTROLLER (@240 V): 47.8 AMP
 TOTAL LOAD ON CONTROLLER (@480 V): 23.9 AMP

**LOAD TABLE
EXISTING POWER CABINET "I" (PCI)
(@ 240 VOLTS)**

CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	EXISTING		B	EXISTING	
C	EXISTING		D	EXISTING	
E	EXISTING		F	EXISTING	
G	EXISTING		H	EXISTING	
I	EXISTING		J	EXISTING	
K	EXISTING		L	EXISTING	
M	EXISTING		N	EXISTING	
O	20	4800	P	20	4800
TOTAL	-	-	TOTAL	-	-

LEGEND

- PROPOSED LIGHTING UNIT 47.5' M.H., 15' M.A., 400W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
- PROPOSED LIGHTING UNIT 47.5' M.H., 15' M.A., 400W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
- PROPOSED LIGHTING UNIT 25' M.H., 15' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
- PROPOSED LIGHTING UNIT 25' M.H., 15' M.A., 250W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
- PROPOSED LIGHTING CONTROLLER CABINET "M", SINGLE DOOR, CONSOLE TYPE, VILLAGE OF ADDISON MAINTAINED, 100A, 240/480V, 1Ø
- PROPOSED ELECTRIC SERVICE TRANSFORMER BY COMED ON EXISTING OR PROPOSED UTILITY WOOD POLE
- ELECTRIC GROUND ROD

GA GANDHI AND ASSOCIATES, INC.
 ENGINEERS AND PLANNERS
 6035 N. NORTHWEST HIGHWAY
 SUITE 306
 CHICAGO, ILLINOIS 60631 TEL. (773) 774-5900