

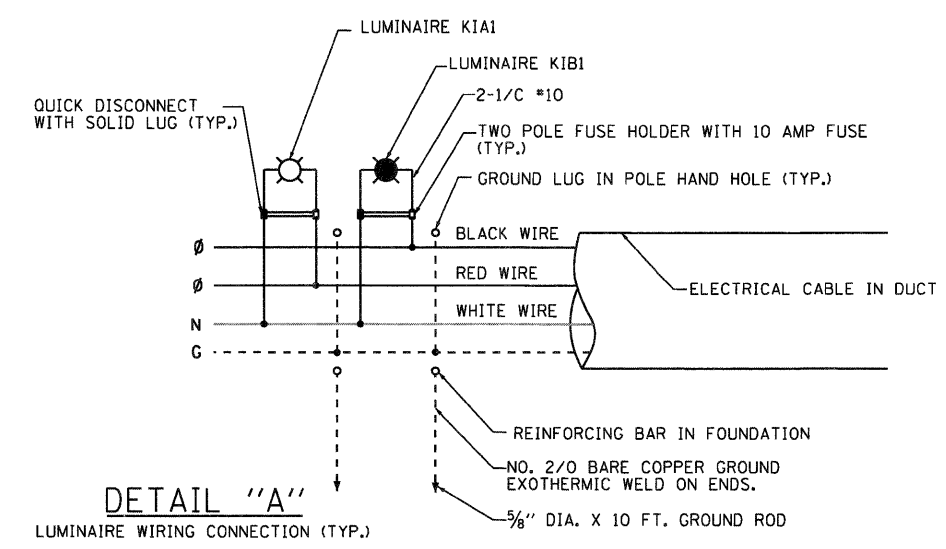
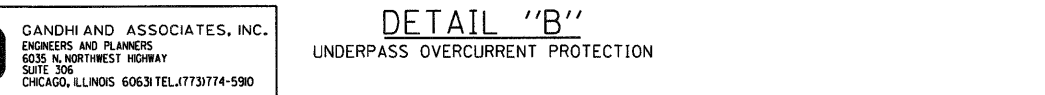
LOAD TABLE
PROPOSED LIGHTING CONTROLLER "KI"
(@ 240 VOLTS)

CIRCUIT	RED PHASE		CIRCUIT	BLACK PHASE	
	AMPS	WATTS		AMPS	WATTS
A	14	3360	B	16	3840
C	24	5760	D	24	5760
E	9.6	2304	F	9.6	2304
G	8	1920	H	8	1920
I	14	3360	J	16	3840
K	24	5760	L	24	5760
TOTAL	93.6	22464	TOTAL	97.6	23424

TOTAL LOAD ON CONTROLLER (@240 V): 191.2 AMP
TOTAL LOAD ON CONTROLLER (@480 V): 95.6 AMP

LEGEND

- PROPOSED LIGHTING UNIT 47.5' M.H., 15' M.A., 400W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
- PROPOSED LIGHTING UNIT 47.5' M.H., 15' M.A., 400W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
- PROPOSED UNDERPASS LIGHTING UNIT 150W HPS TYPE MC-III, 240V LUMINAIRE (RED PHASE)
- PROPOSED UNDERPASS LIGHTING UNIT 150W HPS TYPE MC-III, 240V LUMINAIRE (BLACK PHASE)
- UNIT DUCT, 3-1/C*2 AND 1/C*4 GND, 1/4" DIA.
- ELECTRIC CABLE IN CONDUIT, 3-1/C*2 AND 1/C*4 GND.
- 12"X8"X6" STAINLESS STEEL JUNCTION BOX EMBEDDED IN STRUCTURE.
- EXISTING 12"X8"X6" STAINLESS STEEL JUNCTION BOX EMBEDDED IN STRUCTURE
- JUNCTION BOX 6"X6"X4", NEMA 4X ATTACHED TO STRUCTURE
- JUNCTION BOX 16"X14"X6", NEMA 4X ATTACHED TO STRUCTURE
- PROPOSED LIGHTING CONTROLLER CABINET "KI", DUPLEX TYPE, IDOT MAINTAINED, 175A, 240/480V, 1Ø
- PROPOSED ELECTRIC SERVICE TRANSFORMER BY COMED ON EXISTING OR PROPOSED UTILITY WOOD POLE
- ELECTRIC GROUND ROD



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FILE NAME =	USER NAME = .GAL	DESIGNED - PKG	REVISED -
#FILE#		DRAWN - MAA, SHM	REVISED -
		CHECKED - PKG	REVISED -
		DATE - 12/16/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SINGLE LINE DIAGRAM
LIGHTING CONTROLLER "KI"

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE. 345	SECTION 8R-R	COUNTY KANE	TOTAL SHEETS 794	SHEET NO. 449
CONTRACT NO. 60H45				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				