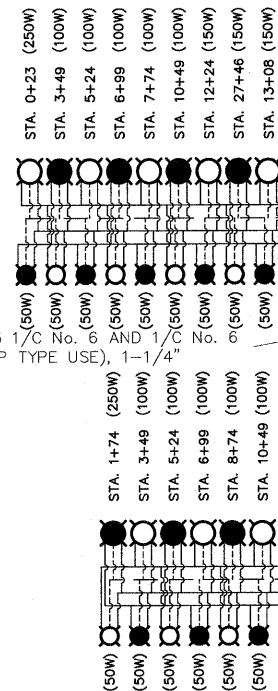


PROPOSED LIGHTING

**OAK PARK AVENUE
OGDEN AVENUE TO 34TH STREET**



UNIT DUCT, WITH 3 1/C No. 6 AND 1/C No. 6
GROUND 600V (XLP TYPE USE), 1-1/4"

UNIT DUCT, WITH 3 1/C No. 6 AND 1/C No. 6
GROUND 600V (XLP TYPE USE), 1-1/4"

NOTE:
CONTROL WIRING IS NO.12
POWER WIRING IS NO.1/0

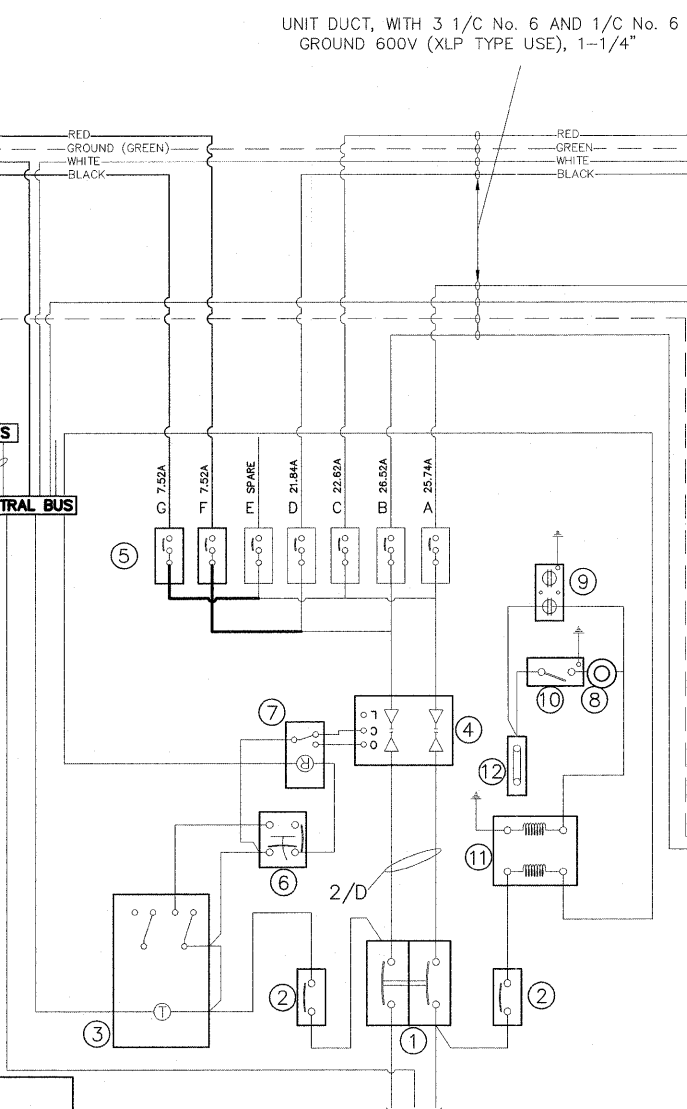
NOTE:
NEUTRAL BUS IS PAINTED WHITE.
GROUND BUS IS PAINTED GREEN.

NOTE:
CIRCUITS E IS SPARE

LUMINAIRE LEGEND

- EXISTING - 150W
- PROPOSED - WATTAGE SHOWN
- PROPOSED - 50W

EXISTING CONTROLLER #7

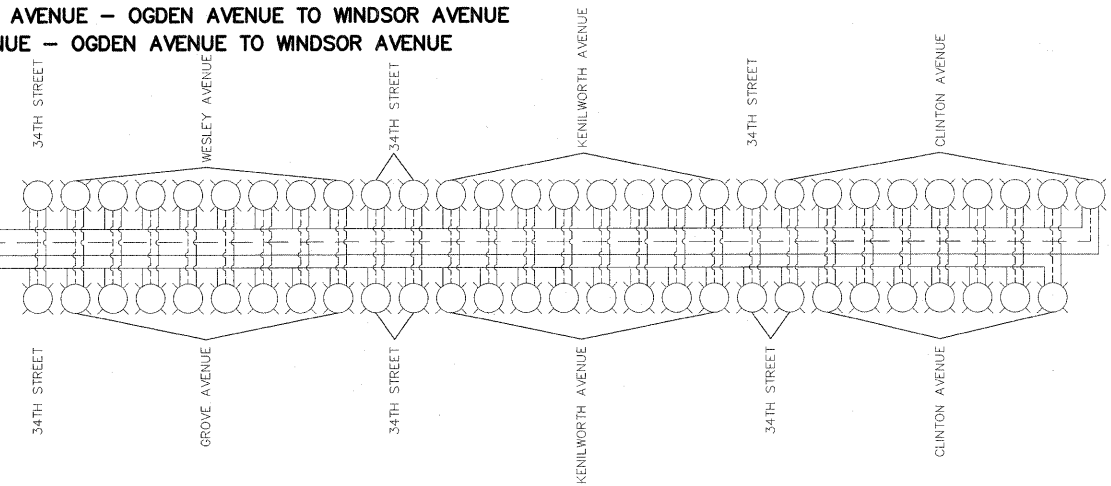


EXISTING SERVICE CABLE 3-1/C NO.1/0,
3 WIRE, 240/480 VOLT, 1 PHASE, 60HZ.

CONTROLLER DIAGRAM

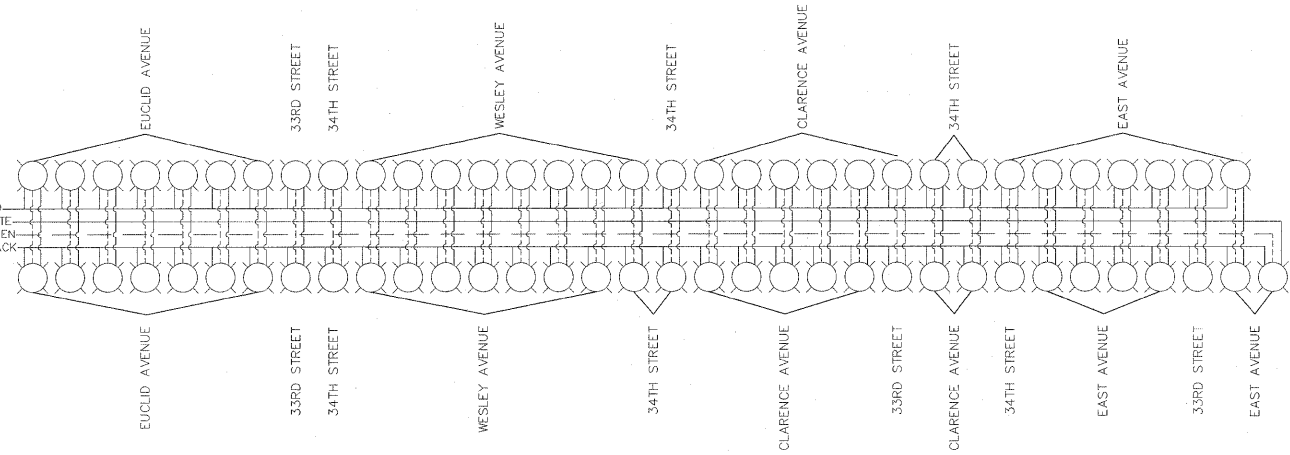
EXISTING RESIDENTIAL STREET LIGHTING

34TH STREET - CLINTON AVENUE TO EUCLID AVENUE
CLINTON AVENUE - OGDEN AVENUE TO WINDSOR AVENUE
KENILWORTH AVENUE - OGDEN AVENUE TO WINDSOR AVENUE
GROVE AVENUE - OGDEN AVENUE TO WINDSOR AVENUE



EXISTING RESIDENTIAL STREET LIGHTING

33RD STREET - EUCLID AVENUE TO EAST AVENUE
34TH STREET - EUCLID AVENUE TO EAST AVENUE
EUCLID AVENUE - OGDEN AVENUE TO WINDSOR AVENUE
WESLEY AVENUE - OGDEN AVENUE TO WINDSOR AVENUE
CLARENCE AVENUE - OGDEN AVENUE TO WINDSOR AVENUE
EAST AVENUE - OGDEN AVENUE TO WINDSOR AVENUE



CIRCUIT LOAD TABLE

Circuit	Controller #7 = 150A MAIN																																											
	A				B				C				D				E				F				G																			
Luminaire Wattage	50W	100W	150W	50W	100W	150W	50W	100W	150W	50W	100W	150W	50W	100W	150W	50W	100W	150W	250W	50W	100W	150W	250W																					
Red East					33																																							
Amperage					25.74																																							
Black East									34																																			
Amperage									26.52																																			
Red West													29																															
Amperage													22.62																															
Black West																	28																											
Amperage																	21.84																											
Spare																																												
Red West - OP																					8				5				2				1											
Amperage																									2.5				3.2				1.6				1.3							
Black West - OP																													8				5				2				1			
Amperage																													2.5				3.2				1.6				1.3			
Total Amperage					25.74				26.52				22.62				21.84																8.46				8.46							

CONTROLLER - SCHEDULE OF EQUIPMENT

ITEM	QUANTITY	DESCRIPTION
①	1	MAIN BREAKER, 2 POLE, 600V, 150A BASE, 150A NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000A AT 480V
②	2	CIRCUIT BREAKERS, 1 POLE, 240V, 15A
③	1	TIME CLOCK, 240V, 2 POLE, SINGLE THROW CLOCK WITH SPRING CARRYOVER & ASTRONOMICAL DIAL
④	1	CONTACTOR, 2 POLE, 240V, 150A
⑤	5-EXIST 2-PROP	CIRCUIT BREAKER, 1 POLE, 240V, 100A BOLT-ON TYPE, 50A NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA - 14000A AT 240V
⑥	1	HANDS-OFF-AUTO SWITCH, 240V, 15A
⑦	1	RELAY, DOUBLE POLE, DOUBLE THROW, 240V
⑧	1	WEATHER-PROOF INCANDESCENT LIGHTING FIXTURE WITH 60 WATT, 120V LAMP
⑨	1	DUPLEX RECEPTACLE, 15A G.F.I., 120V
⑩	1	DOOR OPERATED SWITCH TO TURN ON & OFF
⑪	1	1.0KVA, SINGLE PHASE ENCAPSULATED TRANSFORMER, 240x480/120x240 VOLT, 60HZ
⑫	1	FUSE AND HOLDER

FILE NAME = FAU 2775 (OAK PARK AVENUE)
FAP 0311 (OGDEN AVENUE) TO FAU 3734 (34TH STREET)
FAU 1468 (31ST STREET TO FAU 1453 (CERMAK ROAD))
OAK PARK AVENUE ARTERIAL STREET LIGHTING

USER NAME =	DESIGNED -- BAH	REVISED -- BAH 7-11-11
PLOT SCALE =	DRAWN -- BAH	REVISED -- BAH 10-14-11
PLOT DATE =	CHECKED -- JEF	REVISED --
	DATE -- 5-31-11	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS - EXISTING CONTROLLER #7
W/ PROPOSED LIGHTING SYSTEM ON OAK PARK AVE.**

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

Frank Novotny & Associates, Inc.
Civil Engineers
Municipal Consultants
325 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 857-8660 • Fax: (630) 857-0132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000028

F.A.U. R.T.E. 2775	SECTION 05-00162-00-LS	COUNTY COOK	TOTAL SHEETS 25	SHEET NO. 17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63628	
			HPP-3465(002)	