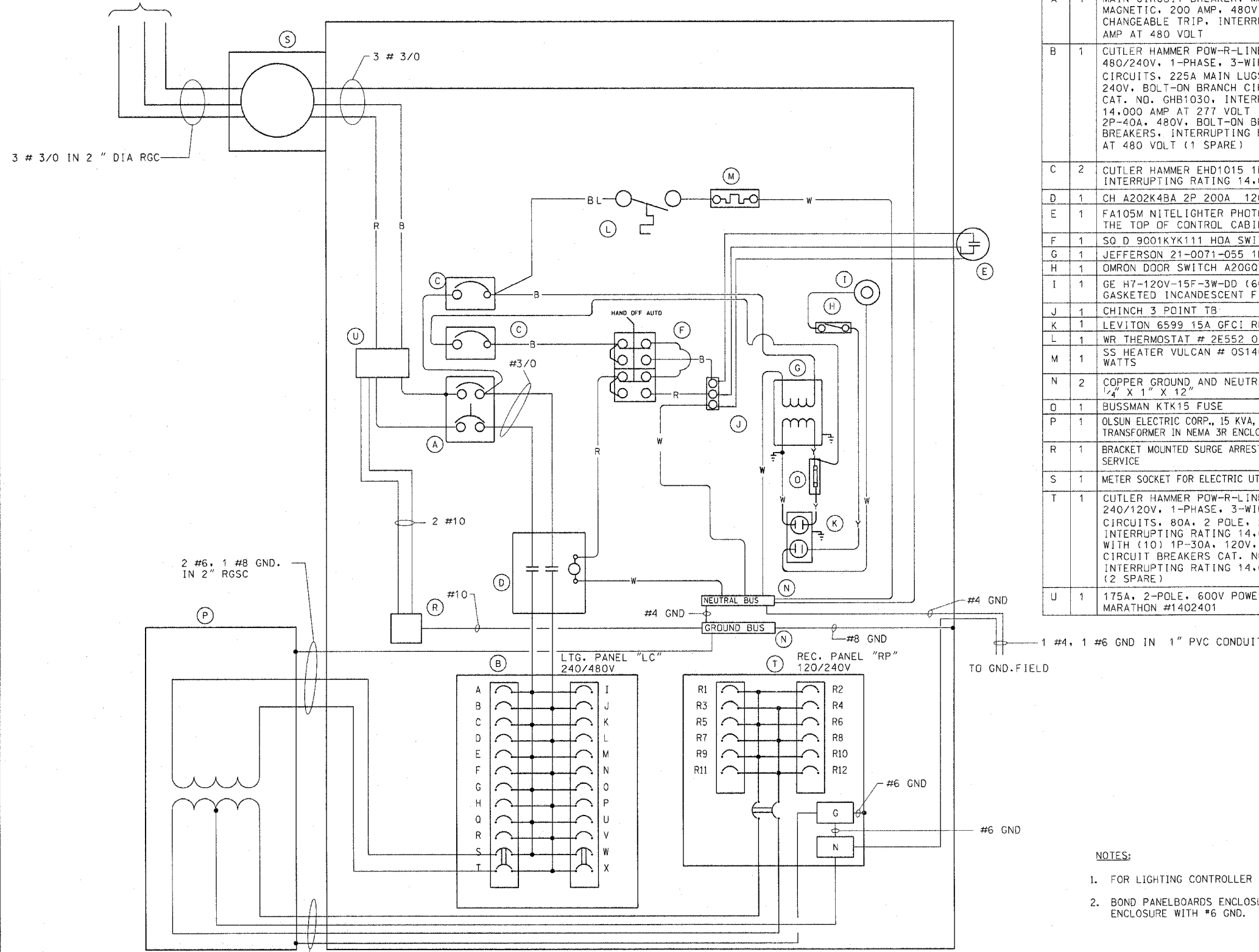


ELECTRICAL SERVICE FROM COMED
200A, 240/480V, 1 PH, 3W



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 200 AMP, 480V, 2POLE, NON-INTERCHANGEABLE TRIP, INTERRUPTING RATING 25,000 AMP AT 480 VOLT
B	1	CUTLER HAMMER POW-R-LINE C PANELBOARD PRL2A, 480/240V, 1-PHASE, 3-WIRE, 30 BRANCH CIRCUITS, 225A MAIN LUGS, WITH (20) 1P-30A 240V, BOLT-ON BRANCH CIRCUIT BREAKERS, CAT. NO. GHB1030, INTERRUPTING RATING 14,000 AMP AT 277 VOLT (4 SPARE) AND (2) 2P-40A, 480V, BOLT-ON BRANCH CIRCUIT BREAKERS, INTERRUPTING RATING 14,000 AMP AT 480 VOLT (1 SPARE)
C	2	CUTLER HAMMER EHD1015 1P 15 AMP, 240V, INTERRUPTING RATING 14,000 AMP AT 277 VOLT
D	1	CH A202K4BA 2P 200A 120V COIL
E	1	FA105M NITELIGHTER PHOTOCELL (MOUNTED ON THE TOP OF CONTROL CABINET)
F	1	SQ D 9001KYK111 HOA SWITCH
G	1	JEFFERSON 21-0071-055 1KVA XFORMER
H	1	OMRON DOOR SWITCH A20GQ7BK
I	1	GE H7-120V-15F-3W-DD (60W ENCLOSED AND GASKETED INCANDESCENT FIXTURE)
J	1	CHINCH 3 POINT TB
K	1	LEVITON 6599 15A GFCI RECP
L	1	WR THERMOSTAT # 2E552 0-50 DEG.
M	1	SS HEATER VULCAN # OS1408-250B 250 WATTS
N	2	COPPER GROUND AND NEUTRAL BUS, MIN. 1/4" X 1" X 12"
O	1	BUSSMAN KTK15 FUSE
P	1	OLSUN ELECTRIC CORP., 15 KVA, SINGLE PHASE, 480-120/240V TRANSFORMER IN NEMA 3R ENCLOSURE CAT. # GS15LE-6
R	1	BRACKET MOUNTED SURGE ARRESTER FOR 480/240V, 3W SERVICE
S	1	METER SOCKET FOR ELECTRIC UTILITY COMPANY METER
T	1	CUTLER HAMMER POW-R-LINE C PANELBOARD PRL1A, 240/120V, 1-PHASE, 3-WIRE, 18 BRANCH CIRCUITS, 80A, 2 POLE, 240V MAIN BREAKER, INTERRUPTING RATING 14,000 AMP AT 277V, WITH (10) 1P-30A, 120V, BOLT-ON GFCI BRANCH CIRCUIT BREAKERS CAT. NO. GHBGFE1030, INTERRUPTING RATING 14,000 AMP AT 120 VOLT (2 SPARE)
U	1	175A, 2-POLE, 600V POWER DISTRIBUTION BLOCK MARATHON #1402401

POWER WIRING RHH/RHW
CONTROL WIRING #12 MTW
NEUTRAL BUS COLOR CODED WHITE
GROUND BUS COLOR CODED GREEN
UL LISTED

BL = BLUE
W = WHITE
B = BLACK
R = RED
Y = YELLOW

CONTROLLER WIRING BY EXCEL LTD. INC.
GRAYSLAKE, IL PHONE: 847-543-9138

NOTES:

- FOR LIGHTING CONTROLLER INSTALLATION DETAILS, SEE DRAWING ED-2.
- BOND PANELBOARDS ENCLOSURES "LC" AND "RP" TO THE CONTROLLER ENCLOSURE WITH #6 GND.



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3 #1, 1 #8 GND.
IN 2" RGSC

Rev. 11-7-06

REVISIONS	
NAME	DATE

ED-3

ILLINOIS DEPARTMENT OF TRANSPORTATION
US RTE 6 (159TH ST) AT US RTE 45 (LAGRANGE RD)

**LIGHTING CONTROLLER "C6"
WIRING DIAGRAM**

SCALE: NONE
DATE: 7-07-06

DRAWN BY: MB
CHECKED BY: KMY

McDonough Associates Inc.
Engineers / Architects