

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION
(A)	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 200 AMP, 240V, 2 POLE, NON-INTER CHANGEABLE TRIP, INTERRUPTING RATING 35,000 AMP AT 240 VOLT.
(B)	1	PANELBOARD, 120/240V, 1-PHASE, 3-WIRE, 36 1-P BRANCH CIRCUITS, 225A MAIN LUGS, WITH (16) 2P-30A, 240V, BOLT-ON BRANCH CIRCUIT BREAKERS, INTERRUPTING RATING 35,000 AMP AT 240 VOLT. (NOTE 2)
(C)	2	15 AMP, 1P, 120V CIRCUIT BREAKER, INTERRUPTING RATING 35,000 AMP AT 120 VOLT
(D)	1	200A, 600V, 2-POLE, ELECTRICALLY HELD LIGHTING CONTACTOR WITH 120V COIL. EATON CN35NN2A
(E)	1	FISHER PIERCE OLC FPPA105M PHOTOCCELL (MOUNTED ON THE TOP OF CONTROL CABINET)
(F)	1	SQUARE D 9001KYK111 HAND-OFF-AUTO SWITCH
(G)	2	200A, 600V, 2-POLE MARATHON DISTRIBUTION POWER BLOCK
(H)	1	OMRON DOOR SWITCH A20GQ7BK
(I)	1	GENERAL ELECTRIC H7-120V-15F-3W-DD (60W ENCLOSED AND GASKETED INCANDESCENT FIXTURE)
(J)	1	CINCH 3 POINT TB
(K)	1	LEVITON 6599 15A GFCI RECEPTACLE
(L)	1	WHITE-RODGERS THERMOSTAT #2B61-186 0-50 DEG.
(M)	1	SS HEATER, VULCAN ELECTRIC COMPANY, #0S1408-250B, 250 WATTS
(N)	2	COPPER GROUND AND NEUTRAL BUS, MINIMUM 1/4" X 1" X 12"
(P)	1	BRACKET MOUNTED SURGE ARRESTER FOR 240/120V, 3W SERVICE
(R)	1	METER SOCKET FOR ELECTRIC UTILITY COMPANY METER
(S)	1	RELAY, 120V COIL, 10A CONTACTS, COIL INRUSH LESS THAN 1000VA

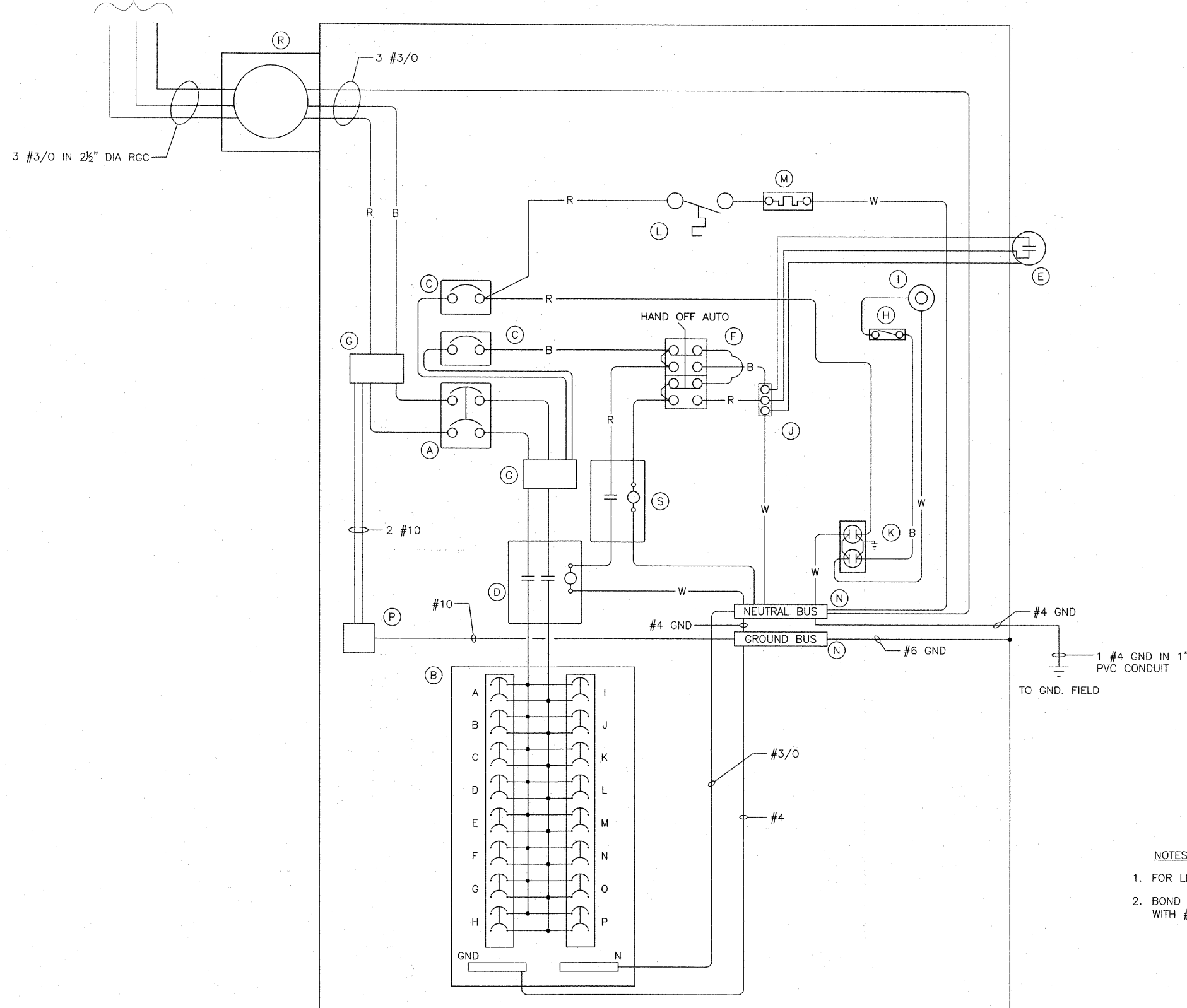
POWER WIRING RHH/RHW
CONTROL WIRING #12 MTW
NEUTRAL BUS COLOR CODED WHITE
GROUND BUS COLOR CODED GREEN
UL LISTED

W = WHITE
B = BLACK
R = RED

NOTES:

- FOR LIGHTING CONTROLLER INSTALLATION DETAILS, SEE DRAWING RL-10.
- BOND PANELBOARD ENCLOSURE TO THE CONTROLLER ENCLOSURE WITH #6 GND.

ELECTRICAL SERVICE FROM COMED
200A, 120/240V, 1 PH, 3W



RL-9

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF PALATINE
PALATINE ROAD & PLUM GROVE ROAD RECONSTRUCTION
SMITH STREET TO US 14 (NORTHWEST HIGHWAY)
**TYPICAL LIGHTING CONTROLLER
WIRING DIAGRAM**
SCALE: VERT. _____
HORIZ. N.T.S.
DATE: OCTOBER 19, 2009
DRAWN BY: CJM
CHECKED BY: KMY