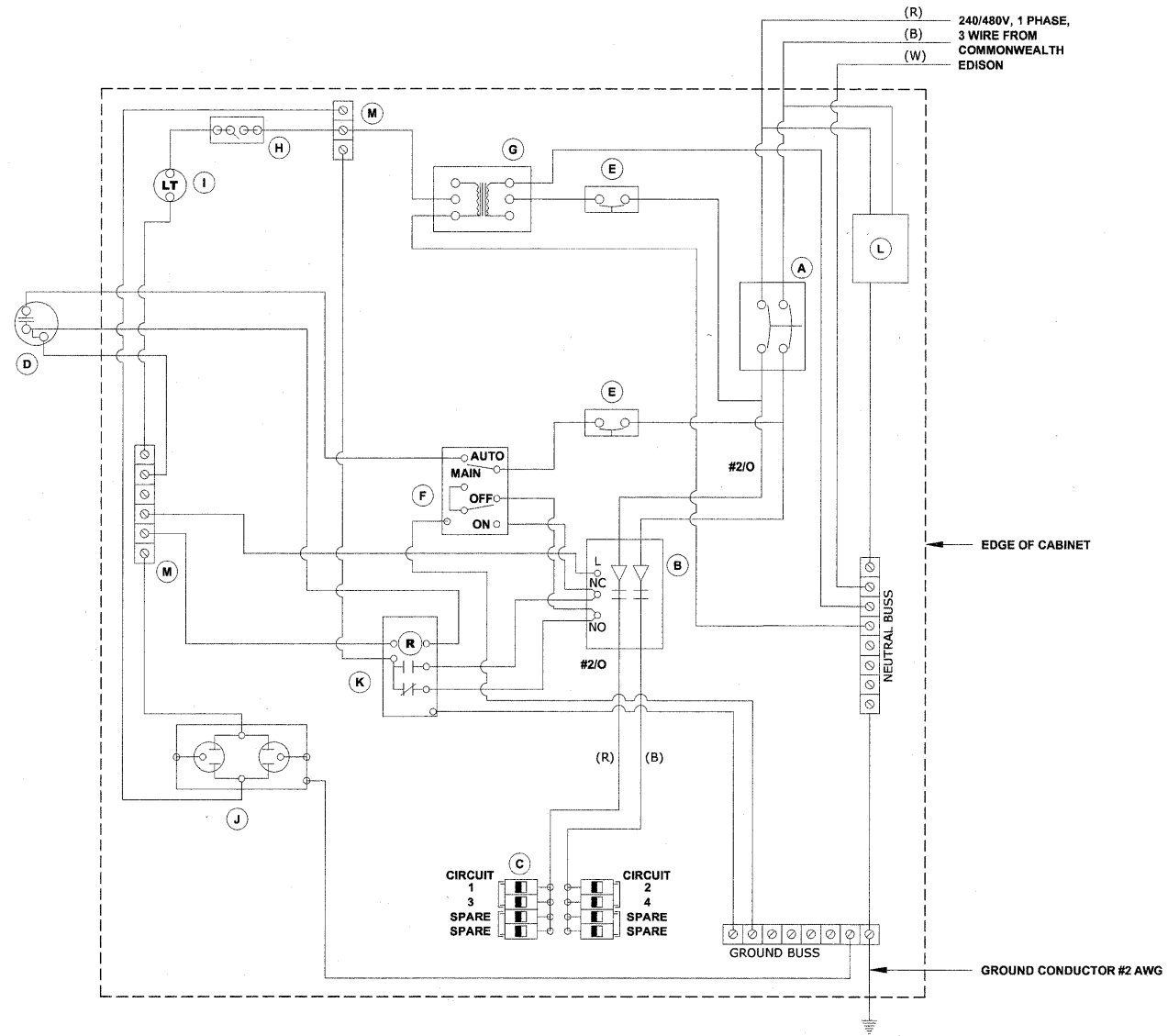


- 1 METERING SIDE OF CABINET
- 2 RINGLESS TYPE METER SOCKET, SUPPLIED BY OTHERS
- 3 CONTROL CENTER SIDE OF CABINET
- 4 "V"-HANDLE LATCH & SHOOT BOLTS
- 5 RUBBER GASKET BETWEEN DOOR & BOX FLANGE
- 6 STAINLESS STEEL PIANO HINGE
- 7 FORMED DOOR
- 8 CONTROL CENTER BOX TO BE CONSTRUCTED OF 1/4" THICK SHEET ALUMINUM
- 9 1" CHAMFER
- 10 POURED IN PLACE CLASS SI CONCRETE FOUNDATION
- 11 GALVANIZED STEEL CONDUITS 3" DIA., TWO MORE THAN NECESSARY
- 12 GALVANIZED STEEL CONDUITS 2" DIA., TO SERVICE POLE
- 13 GROUND ROD CONNECTED TO GROUND WIRE WITH EXOTHERMIC WELD
- 14 P.C.C. SIDEWALK, 5 INCH
- 15 VENTING TO BE ALONG ROOF LINE
- 16 PHOTO-ELECTRIC CELL TO BE INSTALLED UNDER ROOF LINE

**CONTROL CENTER CABINET & FOUNDATION**

DEVICE SCHEDULE		
QUANTITY	DESCRIPTION	
(A) 1	100 AMP CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, SINGLE THROW, 600V FRAME, NON-INTERCHANGABLE TRIP, BOLT ON TYPE.	
(B) 1	100 AMP, ELECTRICALLY OPERATED AND MECHANICALLY HELD LIGHTING CONTRACTOR, 2-POLE, 600 VOLT WITH 240 VOLT COIL	
(C) 8	120/240 VOLT 1 PHASE PANEL BOARD WITH 100 AMP COPPER MAINS SINGLE POLE, 40 AMP, 277 VOLT BOLT ON BRANCH CIRCUIT BREAKERS	
(D) 1	PHOTO-ELECTRIC CELL, 240 VOLT, MOUNT ON UNDERSIDE OF CABINET VENT	
(E) 2	THERMAL MAGNETIC, MOLDED CASE CIRCUIT BREAKER, 1 POLE, 15 AMP, 277 VOLT BOLT ON TYPE	
(F) 1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20 AMP, 240 VOLT SPECIAL GRADE	
(G) 1	240/120 VOLT STEP DOWN CONTROL TRANSFORMER 750 VA RATED	
(H) 1	MICRO SWITCH (MOUNTED WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN) 240 VOLT, 20 AMP	
(I) 1	60 WATT LIGHT FIXTURE VAPOR TIGHT WITH GLOBE, GUARD, AND MOUNTING BOX	
(J) 1	240 VOLT, 15 AMP RECEPTACLE, SPECIFICATION GRADE IN NEMA 5-15R WEATHER PROOF BOX WITH FLAP-TYPE COVER. OUTLET TO BE GFI-TYPE.	
(K) 1	POWER RELAY WITH 25 AMP CONTACTS RATED FOR CONTRACTOR INRUSH CURRENT - 240 VOLT COIL	
(L) 1	SURGE ARRESTOR TO WITHSTAND A SURGE CURRENT UP TO 20,000 AMPERES	
(M) 2	TERMINAL BLOCK, 240 VOLT, 50 AMP MAXIMUM WITH NUMBER OF TERMINALS AS INDICATED	

- NOTES:
- ALL CIRCUIT BREAKERS SHALL HAVE AN INTERRUPT RATING OF 18,000 RMS SYMMETRICAL AMPS, AC
  - UL LISTED DEVICES/COMPONENTS SHALL BE USED
  - NO SPLICES OF WIRES IN CABINET
  - CONTROL WIRE TO BE #12 MTW
  - POWER WIRE SHALL BE RATED RHH/RHW 600 VOLTS OF SIZE INDICATED
  - LIGHTING CONTROLLER SHALL BE SERVICE ENTRANCE RATED PER UL 508(a)



**240/480 VOLT CONTROLLER PANEL WIRING DIAGRAM**

REVISION:	<p><b>HANCOCK ENGINEERING</b></p> <p>♦ Civil Engineers ♦ Municipal Consultants ♦ Established 1911</p> <p>1933 Roosevelt Road Westchester, Illinois 60594-1745 Phone: 708-946-4390 Fax: 708-946-1372</p>

VILLAGE OF WESTCHESTER  
ROOSEVELT ROAD (FAP 347)  
BEAUTIFICATION PROJECT  
LIGHTING DETAILS

DRAWN BY: MK  
CHECKED BY: JCG  
DATE: 04/15/09

SCALE: NONE