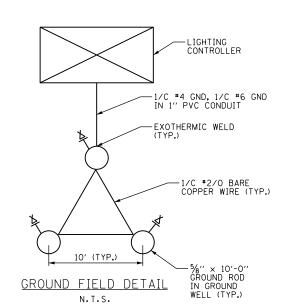
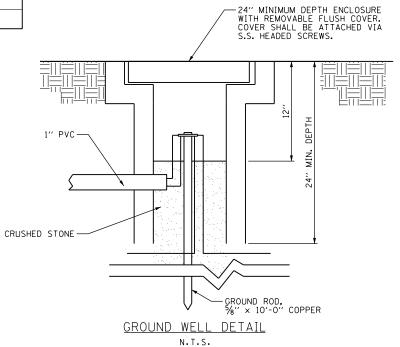


ITEM	QTY.	DESCRIPTION						
(A)	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 200 AMP, 480V, 2-POLE, NON-INTERCHANGEABLE TRIP, INTERRUPTING RATING 65,000 AMPERES AT 480 VOLTS						
₿	1	EATON, POW-R-LINE C PANELBOARD, 480/240 VOLT, 1-PHASE, 3-WIRE, 30 BRANCH CIRCUITS, 225 AMPERE MAIN LUGS, WITH (20) 1-POLE 30 AMPERE, 240 VOLT, BOLT-ON BRANCH CIRCUIT BREAKERS, INTERRUPTING RATING 65,000 AMPERES AT 277 VOLTS (4 SPARE) AND (2) 2-POLE 50 AMPERE, 480 VOLT, BOLT-ON BRANCH CIRCUIT BREAKERS, INTERRUPTING RATING 65,000 AMPERES AT 480 VOLTS (1 SPARE)						
©	2	EATON, HFD1015, 1-POLE, 15 AMPERE, 240 VOLT CIRCUIT BREAKER, INTERRUPTING RATING 65,000 AMPERES AT 277 VOLTS						
0	1	EATON, A202K4BA, 2-POLE, 200 AMPERE CONTACTOR, 240 VOLT COIL						
(E)	1	PHOTOCELL (MOUNTED ON THE FRONT OF THE CABINET UNDER THE DRIP EDGE AND TO THE SIDE OF THE ACCESS DOOR)						
(Ē)	1	SOUARE D. 9001KYK111, HAND-OFF-AUTO SELECTOR SWITCH						
©	1	JEFFERSON, 21-0071-055, 1 KILOVOLT-AMPERE TRANSFORMER						
Θ	1	OMRON, A20G07BK, DOOR SWITCH						
(I)	1	GENERAL ELECTRIC, H7-120V-15F-3W-DD, 60 WATT ENCLOSED AND GASKETED INCANDESCENT FIXTURE						
Û	1	3 POINT TERMINAL BLOCK						
K	1	HUBBELL, HBL5362ISA, 20 AMPERE GROUND FAULT CIRCUIT INTERRUPTOR RECEPTACLE, WITH WEATHERPROOF BOX & COVER						
(L)	1	WHITE-RODGERS, #2E552, O-50 DEGREE THERMOSTAT						
M	1	VULCAN *OS1408-250B 250 WATT STAINLESS STEEL HEATER						
N	2	COPPER GROUND AND NEUTRAL BUS, MINIMUM 1/4"×1"×12"						
0	1	BUSSMANN, KTK15, FUSE						
P	1	OLSUN ELECTRIC CORPORATION, *GS15LE-6, 25 KILOVOLT- AMPERE, 1-PHASE, 480-120/240 VOLT TRANSFORMER IN NEMA 3R ENCLOSURE						
®	1	BRACKET MOUNTED SURGE ARRESTER FOR 480/240 VOLT, 3 WIRE SERVICE						
S	1	METER SOCKET/PEDESTAL FOR ELECTRIC UTILITY CO. METER						
(<u>)</u>	1	EATON, POW-R-LINE C PANELBOARD, 240/120 VOLT, 1-PHASE, 3-WIRE, 18 BRANCH CIRCUITS, 100 AMPERE, 2-POLE, 240 VOLT MAIN BREAKER, INTERRUPTING RATING 14,000 AMPERES AT 277 VOLTS, WITH (18) 1-POLE 30 AMPERE, 120 VOLT, BOLT-ON GROUND FAULT CIRCUIT INTERRUPTING BRANCH CIRCUIT BREAKERS, CATALOG NUMBER CHBGFEP1030, INTERRUPTING RATING 14,000 AMPERES AT 120 VOLTS (2 SPARE)						
(U)	1	MARATHON, *1402401, 175A, 2-POLE, 600 VOLT POWER DISTRIBUTION BLOCK						
V	3	COPPER GROUND ROD, 5/8"x10"						
W	18	POWER DIST SPLICE BLOCKS "2 AWG TO "14 AWG SINGLE POLE. (NOT SHOWN ON BACKPLATE)						



NOTES:

- 1. SEE DRAWING E-1 FOR ELECTRICAL SYMBOL LIST AND ABBREVIATIONS. SEE DRAWING E-2 FOR ELECTRICAL GENERAL NOTES.
- 2. SEE DRAWING E-20 FOR CONTROLLER CABINET DETAILS.
- 3. THE CONTROLLER SHALL BE SUITABLE FOR USE AS SERVICE EQUIPMENT PER NEC 230.66 AND U.L. LISTED.
- 4. BOND PANELBOARD ENCLOSURES "LC" AND "RP" TO THE CONTROLLER ENCLOSURE WITH "6 GND.
- 5. IF THERE IS NOT ENOUGH RIGHT OF WAY TO INSTALL THE GROUNDING TRIAD AS SHOWN, REDUCE SPACING TO 6'.
- 6. ALL EQUIPMENT, MATERIALS AND COMPONENTS MUST BE SPECIFICATION GRADE OR BETTER. COMPLETE CABINET CONSTRUCTION SHALL FOLLOW ALL APPLICABLE IDOT SPECIFICATIONS, STANDARDS, AND DETAILS.
- 7. MANUFACTURER MODEL AND PART NUMBERS SHOWN ARE MINIMUM ACCEPTABLE COMPONENTS AND CAN BE SUBSTITUTED WITH EQUAL OR BETTER MATERIALS FROM OTHER MANUFACTURERS WITH THE WRITTEN APPROVAL FROM THE ENGINEER OF RECORD.



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	FILE NAME =
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 45 (LaGRANGE ROAD)
LIGHTING CONTROLLER WIRING DIAGRAM & GROUNDING DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT									
	E-53			CONTRACT	NO. 6	ОМ61			
330	103R	COOK	877	464					
F.A.P RTE.	SECTION			COUNTY	SHEETS	SHEET NO.			