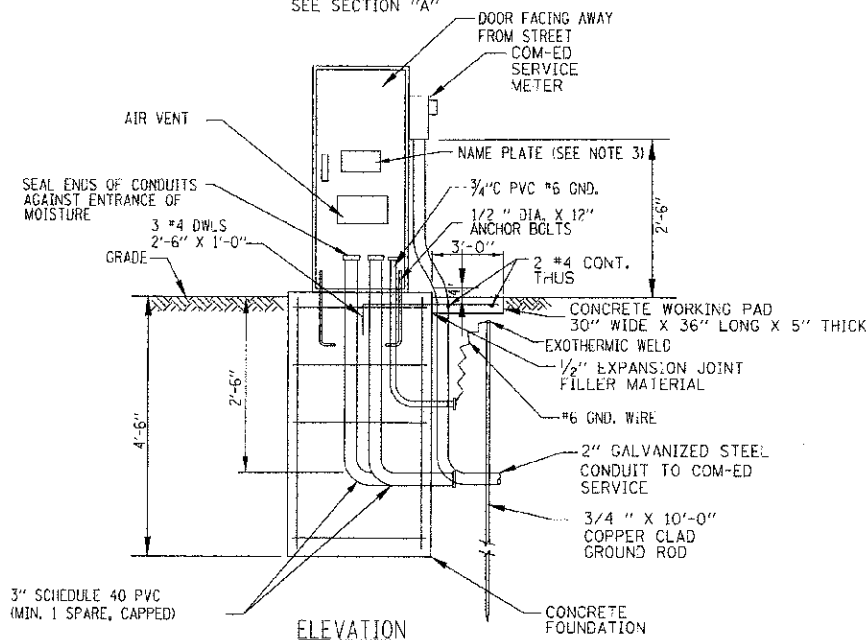


**LIGHTING CONTROLLER WIRING DIAGRAM**

NO SCALE



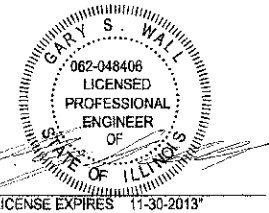
**LIGHTING CONTROLLER AND FOUNDATION DETAIL**

NO SCALE

ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 200A, BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
B	1	CONTROL CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE PHASE 20 A. BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETRICAL AMPERES AT 120 V.
C	2	LIGHTING CONTACTOR MECHANICALLY HELD, SQUARE "D" IVO10600V 200A, 2-POLE, 600 V. WITH 120 COIL OR EQUAL
D	2	CONTROL RELAY CUTLER HAMMER D3PR2 RATED 12 A. AT 120 VAC OR EQUAL
E	2	ON-OFF-AUTO 3-POSITION SELECTOR SWITCH GE CR104P HEAVY DUTY SWITCH, RATED FOR 10 A. AT 600 VAC.
F	1	GFCI RECEPTACLE, 120 V., 20 A. SPEC. GRADE, NEMA CONFIG. 5-20R
G	1	SPOT LIMIT SWITCH WITH SIDE PUSH ROD PLUNGER SQUARE "D" 8B082 RATED 10 A. AT 120 V. OR EQUAL
H	1	60 WATT, 120 V., LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE, GUARD AND MOUNTING BOX.
I	1	SECONDARY SURGE ARRESTER SQUARE D SDSA1175, 175 VAC PHASE-TG-GROUND MAXIMUM OR EQUAL
J	4	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 60A, TRIP INTERRUPTING RATING 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
K	4	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE PHASE 40 A., BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETRICAL AMPERES AT 120 V.
L	1	COPPER NEUTRAL BUS, 1" X 16" X 1/4"
M	1	COPPER GROUND BUS, 1" X 16" X 1/4"
N	1	PHOTOCELL, BUTTON TYPE
O	12	TERMINAL BLOCK RATED 600 V., 85A

**NOTES**

- CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM, ALLOY 5052 FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK; LINE ONE "VILLAGE OF SKOKIE", LINE TWO "STREET LIGHTING"
- CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER AND ALL ELECTRICAL COMPONENTS SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508, AND SHOULD BE SERVICE ENTRANCE RATED.
- METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTOR AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASSIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
- ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- SERVICE EQUIPMENT SHALL BE MARKED TO IDENTIFY IT AS BEING SUITABLE FOR USE AS SERVICE EQUIPMENT.
- INCLUDE SAFETY LABELS ON BREAKER, "WARNING - THIS DISCONNECT DOES NOT REMOVE ALL POWER FROM THIS PANEL".
- BRANCH CIRCUIT BREAKERS 'E' & 'F' AND 'G' & 'H' RESPECTIVELY, SHALL BE INTERLOCKED IN PAIRS WITH HANDLE TIES.



CONTRACT NO. 2011 BY BAXTER & WIDOMAN, INC. ...  
 STATE OF ILLINOIS PROFESSIONAL DESIGNER  
 LICENSE NO. 062-048406  
 EXPIRES 11/30/2013  
 PROJECT: VILLAGE OF SKOKIE, ILLINOIS  
 SHEET: 11-CO286-CO-LS-29



DESIGNED - MWH	REVISED -
DRAWN - MAC	REVISED -
CHECKED - GSW	REVISED -
DATE - 5-14-12	FILE - 100751-SL-details-1.eht

**VILLAGE OF SKOKIE, ILLINOIS**  
**F.A.U. ROUTE 1332 E. OAKTON STREET**  
**FROM F.A.P. 350 U.S. ROUTE 41 (SKOKIE BOULEVARD) TO LOWELL AVENUE**  
**STREETSCAPE IMPROVEMENTS**

**STREET LIGHTING - DETAILS**

SCALE: NONE

STA. TO STA.

F.A.U. R.T.E. 1332	SECTION 11-CO286-CO-LS	COUNTY COOK	TOTAL SHEETS 29
C 91-149-12		CONTRACT NO. 63737	
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT 75-06019891	