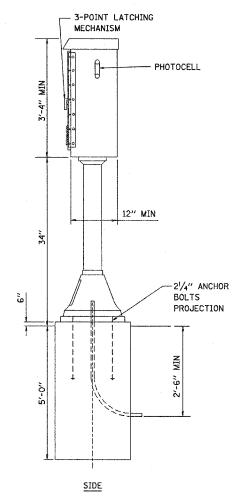
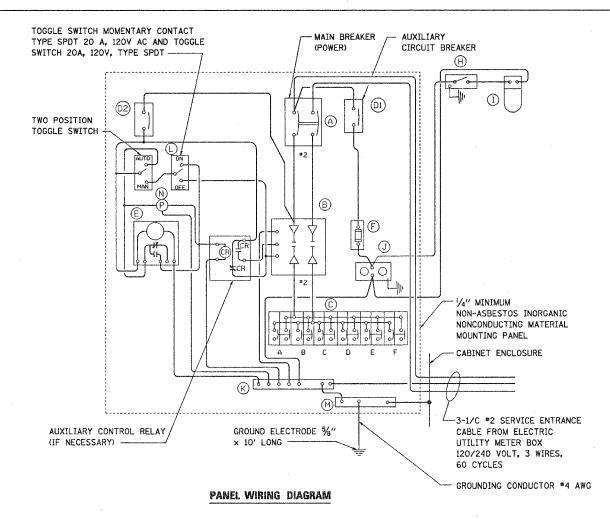


REQUIRED

CONTROL CABINET

FOUNDATION PLAN





| | · · · · · · · · · · · · · · · · · · · | PANEL | . EQUIPMENT | | | |
|---|---------------------------------------|--|-------------|----------|---------------------------|--|
| *************************************** | | BILL OF MATERIAL | | | | |
| ITEM | QUANTITY | DESCRIPTION | ITEM | QUANTITY | | |
| A | 1 | MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. BASE, 60AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT. | F G | 1 | 20 A., 120 V. F UNUSED | |
| В | 1 | REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 60 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT, ASCO 920. | Н | 1 | SPST 20A SWIT | |
| С | 6 | CIRCUIT BREAKERS, 2 POLE, 277V., 100AMP. BASE 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING | I | 1 | INCANDESCENT L | |

| | PANEL EQUIPMENT | | | | | | | |
|------------------|-----------------|---|------------------|----------|--|--|--|--|
| BILL OF MATERIAL | | | BILL OF MATERIAL | | | | | |
| ITEM | QUANTITY | DESCRIPTION | ITEM | QUANTITY | DESCRIPTION | | | |
| А | 1 | MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 100AMP. BASE, 60AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP. AT 240 VOLT. | F G | 1 | 20 A., 120 V. FUSE. UNUSED | | | |
| В | 1 | REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 60 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT, ASCO 920. | Н | 1 | SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN, | | | |
| С | 6 | CIRCUIT BREAKERS, 2 POLE, 277V., 100AMP. BASE 15 AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING | I | 1 | INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP. 20 A., 120 V., DUPLEX RECEPTACLE, GFCI. | | | |
| D1 | 1 | RATING NEMA-10,000 AMP. AT 240 V. CONTROL CIRCUIT-CIRCUIT BREAKER. 2 POLE, 240 V., 100AMP. BASE, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V. | ĸ | 1 | COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS | | | |
| D2 | 1 | CONTROL CIRCUIT-CIRCUIT BREAKER. 1 POLE, 240 V., 100AMP. BASE, 15AMP. NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240 V. | M | 1 | TOGGLE SWITCHES MOUNTED IN 4" X 4" BOX. COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND SPARE LUGS | | | |
| £ | 1 | ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER LITIME SWITCHJ. | N | 1 | EXTERNALLY - MOUNTED PHOTOCELL OPERATED ON 120V | | | |

| F.A.U. RTE. | SECTION | COUNTY | | TOTAL | SHEET NO. |
|--------------------------------|-----------------|----------|---------|---------|--------------|
| 2652 | 00-00069-00- | PV DU | PAGE | 146 | 75 |
| STA. 10+70.70 TO STA. 66+16.00 | | | | | |
| FED. RO | AD DIST. NO. 11 | LINOIS F | ED. AID | PROJECT | |
| CONTR | ACT NO. 83781 | | | | |

NOTES:

- 1. UNLESS OTHERWISE INDICATED, THE CABINET SHALL BE MOUNTED ATOP A 4-INCH RIGID ALUMINUM SCHEDULE 40 CONDUIT STEM ANCHORED TO A CAST ALUMINUM PEDESTAL BASE.
- 2. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A PRECAST CONCRETE PAD $48'' \times 48'' \times 4''$ MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCIDENTAL TO CONTROL CABINET - PER SPECIFICATIONS.
- 3. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- 4. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- 5. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" DIA. STAINLESS STEEL HINGE PIN.
- 6. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- 7. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- 8. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.
- 9. PEDESTAL SHALL BE POWDER COATED A DARK BRONZE TO MATCH THE LIGHT POLES
- 10. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS
- 11. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED. R = RFDW = WHITE BL = BLUE B = BLACK Y = YELLOW G = GREEN
- 12. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- 13. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
- 14. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD, 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL"
- 15. 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "VILLAGE OF VILLA PARK LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED





LIGHTING DETAILS

VILLAGE OF VILLA PARK, ILLINOIS

SHEET 1 OF 2

SCALE: NONE DATE: 11-NOV-2004 DRÁWN BY: E.D. CHECKED BY: J.T.G.

1" STEEL CONDUIT-