SECTION COUNTY 351 537 R-1 COOK 245 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT ENCLOSURE WITH CONTRACT # 62880 REMOVABLE FLUSH COVER. COVER SHALL BE ATTACHED VIA S.S. SCREWS. COPPER WIRE (TYPICAL) GENERAL NOTES: 1. COORDINATE PLACEMENT OF RACEWAYS WITH CONTROLLER MANUFACTURER TO ASSURE DOOR LATCH DOES NOT INTEFERE WITH CABLES OR OTHER DEVICES. EXOTHERMIC WELD (TYPICAL) THE CONTRACTOR SHALL PROVIDE A GROUND FIELD AT EACH CABINET LOCATION.
THE GROUND RODS, ANCHOR BOLTS AND REINFORCEMENT STEEL SHALL ALL BE INTERCONNECTED. 1 INCH PVC-24" MIN. DEPTH THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF GROUND FIELD WITH THE 5/8 X 10'-0<u>"</u> GROUND ROD (TYP.) #4 AND 1 #6 GND. IN GROUND WELL SEE DRAWING ED-6 FOR CONTROL CABINET DETAILS. IN 1" PVC CONDUIT (TYPICAL) ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, LUMINUM OR STAINLESS STEEL. NAME PLATE SHALL HAVE ENGRAVED 0.75 INCH HIGH LETTERS FILLED IN BLACK: ROADWAY LIGHTING CONTROLLER, VILLAGE OF ORLAND PARK". CRUSHED STONE 7. PNE INCH THICK POLYISOCYYANURATE INSULATION SHALL BE INSTALLED AND PERMANENTLY CEMENTED ON ALL SIDES OF THE CABINET AND DOORS. 8. *LL DEVICES SHALL BE FRONT REMOVABLE. PAD MOUNTED CONTROLLER L LUGS SHALL BE OF COPPER SCREWS AND CONNECTORS, SPRING HELD. 10. ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW. -GROUND ROD 5/8" DIA. X 10'-0" COPPER-CLAD GROUND FIELD DETAIL 11. ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW. GROUND WELL DETAIL 12. DIRCUIT BREAKERS, CONTACTORS AND OTHER COMPONENTS SHALL BE PANEL MOUNTED ON 0.125 INCH THICK GLASTIC INSULATION BACK PANEL. 13. THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL RANGE UNDER UL508. (2)2" DIA. RGSC. SEE DWG. ED-3 LL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS FOR WIRE SIZE OTHERWISE INDICATED. CONTROLLER CABINET 15KVA, 480-120/240V 15. ≼LL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED. NOTE 4 TRANSFORMER IN NEMA 3R ENCLOSURE NOTE 19 16. €OR LIGHTING CONTROLLER WIRING DIAGRAM, SEE DRAWING ED-3. 17. \$\ize of concrete foundation as required to support control cabinet and METER AND 18. LENGTH OF CONCRETE SLAB SHOULD MATCH LENGTH OF CONCRETE FOUNDATION. SOCKET HE COST OF THE TRANSFORMER AND THE RELATED WORK SHALL BE INCLUDED)N THE COST OF "LIGHTING CONTROLLER, SPECIAL, 2004, 240/480V" PAY ITEM. BEVELLED EDGES (TYP.) R=1-INCH (TYP.) EXPANSION JOINT GRADE BOLT TRANSFORMER 4' WIDE X 4" THICK GRADE BASE TO CONCRETE NOTE 18 FOUNDATION (TYP.) 8-4" DIA. 2'-6" 36" R. PVC ELBOWS-MIN. TYP.) MIN. 1-INCH PVC TO GROUND FIELD (TYP.) OF 3 GROUND RODS IN A 10 FT. TRIANGLE CONNECTED VIA 2/0 COPPER WIRE. VERIFY EXACT LOCATION OF GROUND FIELD WITH THE ENGINEER. NO GROUND WELL ED-2 SHALL BE PLACED IN CONCRETE PAD REVISIONS NAME IN FRONT OF CONTROLLER. ILLINOIS DEPARTMENT OF TRANSPORTATION US RTE 6 (159TH ST) AT US RTE 45 (LAGRANGE RD) 2" DIA. RGC PROVIDE BUSHING TO SERVICE POLE GROUNDING AND LIGHTING CONTROLLER CONCRETE FOUNDATION (TYP.) INSTALLATION DETAILS NOTE 17 LEFT SIDE ELEVATION FRONT ELEVATION SCALE: NONE DRAWN BY: MB -4" DIA. PVC. RACEWAYS. 8 - MINIMUM. COUR WITH CKT. REQUIREMENTS TYPICAL - ACTUAL DIRECTION AS REQUIRED PER PLANS DATE: 7-07-06 CHECKED BY: KMY McDonough Associates Inc. 2 Rev. 11-1-06