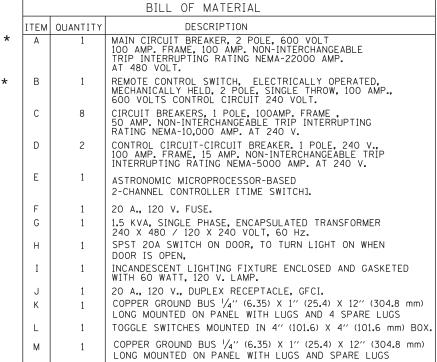
PANEL EQUIPMENT BILL OF MATERIAL



NOTES:

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- 2. FOUNDATION SIZE SHALL BE COORDINATED WITH CABINET SIZE AND MFR.
- 3. IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" (50.8 mm) TOP SOIL, LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" (914.4 mm) \times 60" (18.288 m) \times 4" (101 mm) MIN. SIZE. THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- 4. DOOR SHALL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- 5. DOOR SHALL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP THE BOTTOM.
- 6. DOOR HINGE SHALL BE A HEAVY GAUGE CONTINUOUS HINGE WITH A 1/4" (6.35 mm) DIA. STAINLESS STEEL HINGE PIN.
- 7. ALL EXTERNAL HARDWARE SHALL BE STAINLESS STEEL.
- 8. CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED
- 9. METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE.

- 10. CABINETS SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- 11. THE HEADS OF CONNECTORS SCREWS SHALL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- 12. ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED. R = RED BL = BLUE B = BLACK Y = YELLOW
- 13. PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- 14. ALL WIRING SHALL BE NEATLY DRESSED AND
- 15. THE CONTROLLER SHALL BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 16. 12" (304.8) X 16" (406.4 mm) STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.

* ITEMS "A" & "B" SHALL BE 200 AMP. AS SHOWN ON LIGHTING PLANS

FILE NAME : V:\diststd\22x34\be215.dqr

DESIGNED 08-20-04 REVISED USER NAME = gaglianobt DRAWN REVISED CHECKED REVISED LOT SCALE = 50.0000 '/ IN. DATE REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

21" MIN.

(533.4)

CIRCUIT BREAKER

0

山田

J

(M)

(H)

1/4" (6.35) MINIMUM

MOUNTING PANEL.

-CABINET ENCLOSURE

3-1/C SERVICE ENTRANCE

(483) MIN.

ANCHOR RODS, 4 MIN

MFR. REQUIREMENTS

CABLE FROM ELECTRIC

UTILITY METER BOX

WIRES, 60 CYCLES.

- GROUNDING CONDUCTOR #2 AWG.

SCREENED AIR VENT

3 POINT LOCKING

PAD LOCK PROVISION

WORK PAD SEE NOTE 3

HANDLE WITH

240/480 VOLT, 10,3

NON-ASBESTOS INORGANIC

NONCONDUCTING MATERIAL

MAIN BREAKER

 $| \triangle |$

(c)

ABCDEF

(K)

BONDING JUMPER -

GROUND ROD 5/8" (15.875)

DIA. x 10' (3.048 m) LONG

PANEL WIRING DIAGRAM

#6 AWG. 600V

(POWER)

(D)

AUXILIARY

METER AND BASE

2½" (63.5) GALV. STEEL CONDUIT

GROUND LINE -

PVC RACEWAYS 6-MIN. COORD.

REQUIREMENTS

WITH CKT

CONTROL RELAY (IF NECESSARY)

TWO POSITION TOGGLE SWITCH

TOGGLE SWITCH MOMENTARY CONTACT TYPE SPDT 20 A.

240V AC AND TOGGLE SWITCH 20A, 240V, TYPE SPDT

30" (762) MIN.

1111-1

1111 1

1111-1

(914) MIN.

NEMA 3R

ENCLOUSERE

CABINET ALUMINUM ALLOY SHEET 0.125" (3.175)

TYPE 5052-H32

2 PVC CONDUIT

GROUND ROD

38,

LIGHTING CONTROLLER BE-215 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT L-16

507 210

COUNTY

CONTRACT NO.