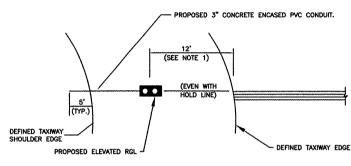
LENGTH AS REQUIRED BY MANUFACTURER

RFD-VORTAC 110.8 (CH 45) 108/288 5.1 MILES

AR125461 - TAXI GUIDANCE SIGN, SPECIAL - SIGN PANEL DETAIL

NO SCALE



ELEVATED LED ROL LAYOUT DETAIL (TYP)

GENERAL NOTES:

- THE CONCRETE BASE FOR BASE MTD. LIGHTS SHALL BE TROWEL FINISHED WITH A 45° BEVELED EDGE. SLOPE TO DRAIN (610).
- 2. TRANSFORMER HOLDER SHALL BE ANY COMMERCIALLY AVAILABLE BRICK.
- 3. BREAKING GROOVE COUPLINGS SHALL NOT BE OVER 1" ABOVE GROUND LINE.
- ISOLATION TRANSFORMERS COME WITH A FACTORY INSTALLED PLUG (TYPE 1, CLASS A, STYLE 2) AND RECEPTACLE (TYPE 1, CLASS A, STYLE 9).
 A TYPE 1, CLASS B, STYLE 3 PLUG AND TYPE 1, CLASS B, STYLE 10
 RECEPTACLE SHALL BE INSTALLED ON THE 1/C, No. 8, 5000 V., L-824
 TYPE C CABLES FOR CONNECTION TO EACH TRANSFORMER.
- TO FURTHER REDUCE THE POSSIBILITY OF WATER/MOISTURE ENTRANCE INTO THE CONNECTOR BETWEEN THE CABLE AND THE FIELD ATTACHED CONNECTOR, IT IS REQUIRED THAT A HEAT SHRIKABLE TUBING WITH INTERNAL ADHESIVE BE APPLIED OVER THE ENTIRE CABLE CONNECTOR.
- 6. ALL SIGNS, LIGHTS, CABLES AND TRANSFORMERS TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE AIRPORT. AT THE DISCRETION OF THE AIRPORT DIRECTOR, THE CONTRACTOR MAY BE REQUIRED TO DISPOSE OF THESE MATERIALS OFFSITE
- TAXIWAY LIGHTS SHALL HAVE A BLUE LENS, RUNWAY LIGHTS SHALL HAVE A CLEAR OR 180° AMBER/CLEAR LENS AS DESIGNATED ON PLANS.
- DUCT MARKERS SHALL BE INSTALLED AT EVERY NEW DUCT AND AT EVERY EXISTING DUCT USED FOR THIS PROJECT.
- CONTRACTOR SHALL HAVE THE OPTION TO TRENCH OR PLOW UNIT DUCT. NO ADDITIONAL PAYMENT SHALL BE MADE FOR TRENCHING.
- 10. INSTALL 1/C #6 AWG BARE COPPER GROUND JUMPER CONNECTED TO GROUND LUG INSIDE BASE CAN AND EXOTHERMICALLY WELDED TO GROUND ROD. INSTALL GROUND LUG FOR EXISTING CANS, IF REQUIRED.

L-804 RGL (LED) TETHER-ANGIBLE COUPLING AND DISSCONNECT PLUG FXIST, GRADE BITUMINOUS PAVEMENT-L-823 PRIMARY CABLE CONNECTORS WITH HEAT SHRINK TUBING (TYP.) HEAT SHRINK (TYP.)

1/C #8 5000V, L-824
TYPE C CABLE IN 3/4" UNITDUCT (TYP.) --L-830 ISOLATION TRANSFORMER (SEE NOTE 2) 3/4" DIA. x 10' LONG --COPPER CLAD GROUND UNIT DUCT SHALL BE TERMINATED
INSIDE THE LIGHT BASE AND SEALED
WITH HEAT SHRINK AS SPECIFIED ROD (SEE GENERAL 3" # CONCRETE ENCASED PVC CONDUIT TO EDGE OF PAVEMENT (SEE NOTE 3) NEOPRENE GROMMET-FILTER FABRIC-6" SAND CUSHION - COMPACTED

INSTALLATION OF ELEVATED LED ROL (TYP)

NOTES FOR ELEVATED RGL

- 1. USE 3" PVC SCH 40 PVC, CONCRETE ENCASED UNDER PAVED
- L-830 ISOLATION TRANSFORMER SHALL BE SIZED FOR LED TYPE RGL, AS RECOMMENDED BY THE MANUFACTURER.
- PULL BACK EXISTING RGL CIRCUIT PRIOR TO REMOVAL OF EXISTING RGLS. REINSTALL EXISTING (2) 1/C #8, 5KV IN 3/4" UNIT DUCT IN NEW 3" CONDUIT. ELEVATED RUNWAY GUARD LIGHTS SHALL BE APPROVED FAA L-804 LED TYPE AS MANUFACTURED BY ADB OR APPROVED EQUAL.

ELECTRICAL DETAILS - 1

(ELD1)

RO017



CRAWFORD, MURPHY & TILLY, INC. CONSULTING ENGINEERS

> Chicago Rockford International Airport



ROCKFORD, ILLINOIS GREATER ROCKFORD AIRPORT AUTHOIRTY

> 3-17-0088-XX RFD-3909

REHAB. TWY B SOUTH PHASE 2

Revisions Description THIS BAR IS EQUAL TO 1' AT FULL SCALE (17 X 11). DESIGN BY CMT-ARR

DRAWN BY CMT-ARR CHECKED BY: APPROVED BY: CMT-RFD DATE: 5/8/2009

JOB No: 09258-04-00

ELECTRICAL DETAILS - 1 (ELD1)

SHEET 28 OF 59 SHEETS