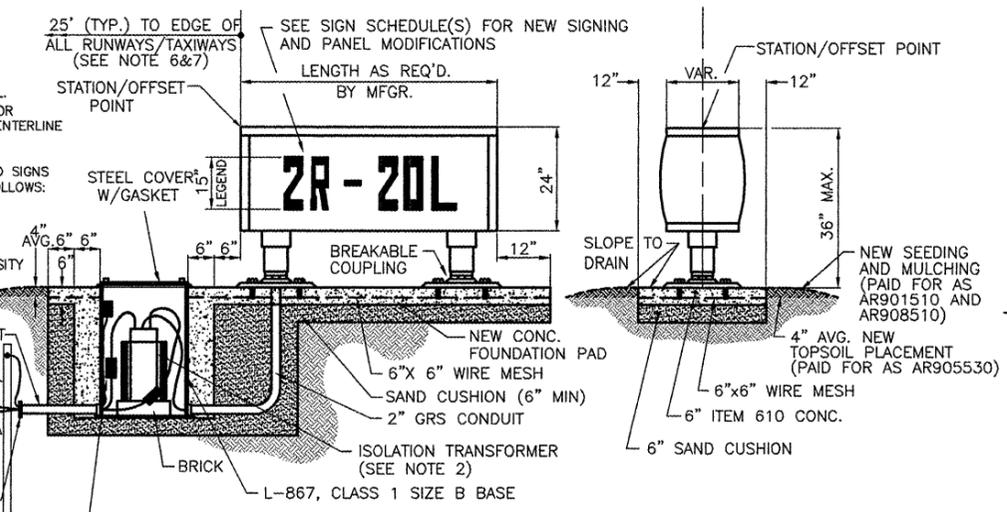


DATE: Thursday, February 26, 2009 2:05:10 PM
 FILE: K:\dupage\0825702_Airfield_Signage_Plan\Sign_Sheets\Phase 1_Air 2_Sign-plan-elscdt1.dwg
 UPDATE BY: Jeremy Linke
 LAYOUT: Layout1
 SHEET DWG: Sheet.dwg
 IMAGE FILES:

NOTES

1. ALL SIGNS ARE 2 - SIDED SIGNS.
2. TRANSFORMER WATTAGE AS RECOMMENDED BY MANUFACTURER FOR LED SIGNS.
3. LIGHTED SIGNS SHALL BE BASE MOUNTED ONLY.
4. UNIT DUCT SHALL BE TERMINATED IN THE CAN AND SEALED TO THE CABLE WITH HEAT SHRINK AS SPECIFIED.
5. ALL NEW SIGNS SHALL BE LED TYPE, L-858 APPROVED BY FAA, AS MANUFACTURED BY SIEMENS OR EQUAL.
6. TYPICAL PERPENDICULAR DISTANCES FOR TAXIWAY INTERSECTION SIGNS FROM CENTERLINE OF CROSSING TAXIWAY IS 93' UNLESS OTHERWISE NOTED.
7. TYPICAL DISTANCES FOR RUNWAY HOLD SIGNS FROM RUNWAY CENTERLINE ARE AS FOLLOWS:
 2L/20R = 258'
 2R/20L = 250'
 10/28 = 250'
 15/33 = 200'
8. ALL SIGNS CONNECTED TO HIGH INTENSITY RUNWAY CIRCUIT (5-STEP) SHALL BE STYLE 3 (5-STEP).

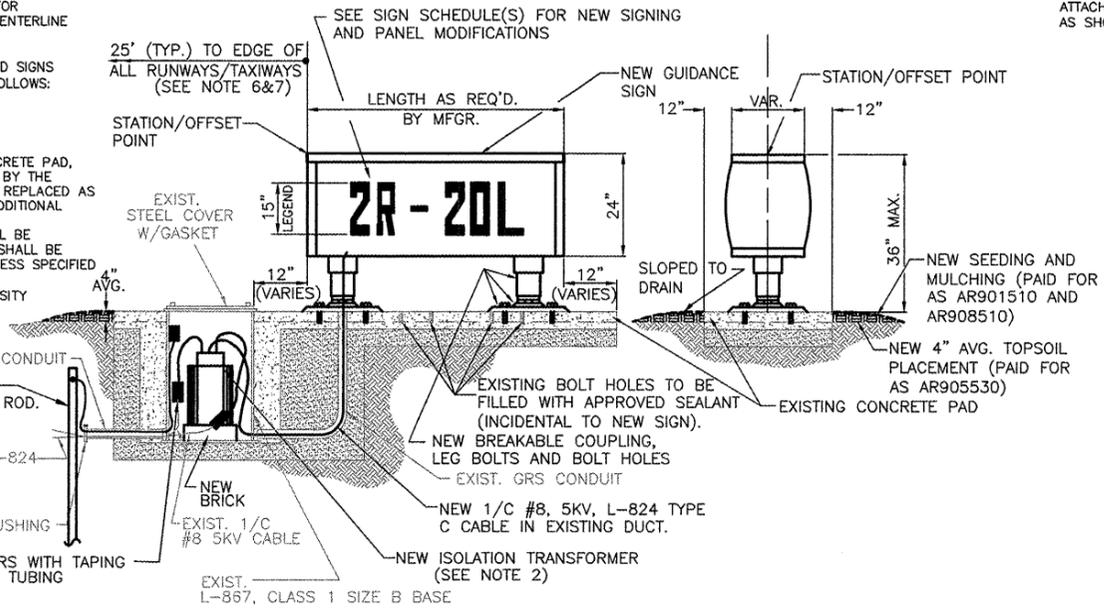


**AR1254XX - NEW TAXI GUIDANCE SIGN, X CHARACTER
 HOLD LINE/TAXIWAY GUIDANCE SIGN LED L-858, SIZE 2, STYLE 2/3, CLASS 2**
 NO SCALE (TYPICAL)

CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWING INCLUDING SIGN, COLOR, SIZE, PROPOSED LEGEND, IN ENOUGH DETAIL AND DETERMINE NEW SPACING AND OTHER INFORMATION REQUIRED BY SPECIAL PROVISIONS. CONTRACTOR TO VERIFY NEW SIGN LOCATIONS AND ORIENTATIONS WITH RESIDENT ENGINEER PRIOR TO INSTALLATION. SIGN SHALL BE FAA APPROVED LED TYPE SIGN.

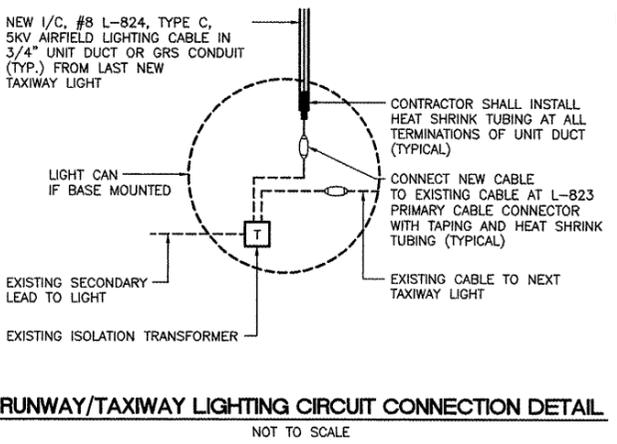
NOTES

1. ALL SIGNS ARE 2 - SIDED SIGNS.
2. TRANSFORMER WATTAGE AS RECOMMENDED BY MANUFACTURER FOR LED SIGNS.
3. LIGHTED SIGNS SHALL BE BASE MOUNTED ONLY.
4. UNIT DUCT SHALL BE TERMINATED IN THE CAN AND SEALED TO THE CABLE WITH HEAT SHRINK AS SPECIFIED.
5. ALL NEW SIGNS SHALL BE LED TYPE, L-858 APPROVED BY FAA, AS MANUFACTURED BY SIEMENS OR EQUAL.
6. TYPICAL PERPENDICULAR DISTANCES FOR TAXIWAY INTERSECTION SIGNS FROM CENTERLINE OF CROSSING TAXIWAY IS 93' UNLESS OTHERWISE NOTED.
7. TYPICAL DISTANCES FOR RUNWAY HOLD SIGNS FROM RUNWAY CENTERLINE ARE AS FOLLOWS:
 2L/20R = 258'
 2R/20L = 250'
 10/28 = 250'
 15/33 = 200'
8. ANY DAMAGE DONE TO EXISTING CONCRETE PAD, CONDUIT OR LIGHT CAN COMPONENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
9. ALL NEW LIGHTING COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE INCLUDED IN PAY ITEM AR80013X UNLESS SPECIFIED OTHERWISE.
10. ALL SIGNS CONNECTED TO HIGH INTENSITY RUNWAY CIRCUIT (5-STEP) SHALL BE STYLE 3 (5-STEP).



**AR80013X - NEW TAXI GUIDANCE SIGN ON EXISTING PAD
 HOLD LINE/TAXIWAY GUIDANCE SIGN LED L-858, SIZE 2, STYLE 2/3, CLASS 2**
 NO SCALE (TYPICAL)

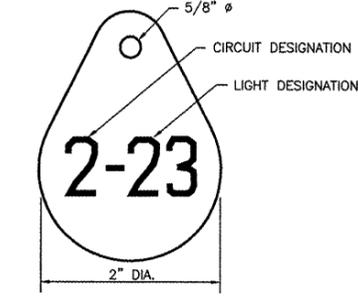
CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWING INCLUDING SIGN, COLOR, SIZE, PROPOSED LEGEND, IN ENOUGH DETAIL AND DETERMINE NEW SPACING AND OTHER INFORMATION REQUIRED BY SPECIAL PROVISIONS. CONTRACTOR TO VERIFY NEW SIGN LOCATIONS AND ORIENTATIONS WITH RESIDENT ENGINEER PRIOR TO INSTALLATION. SIGN SHALL BE FAA APPROVED LED TYPE SIGN.



RUNWAY/TAXIWAY LIGHTING CIRCUIT CONNECTION DETAIL
 NOT TO SCALE

GENERAL NOTES:

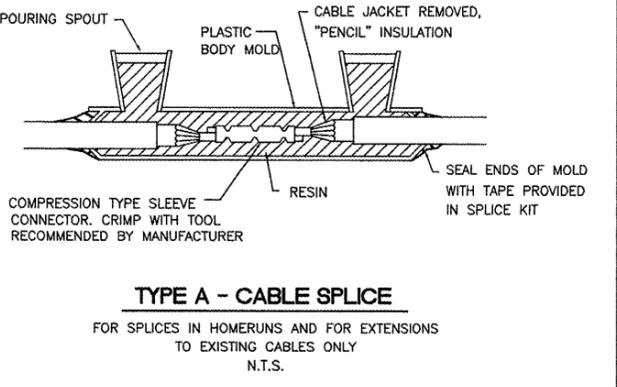
1. THE CONCRETE BASE FOR BASE MTD. LIGHTS AND SIGNS SHALL BE TROWEL FINISHED WITH A 45° BEVELED EDGE. SLOPE TO DRAIN (610).
2. TRANSFORMER HOLDER SHALL BE ANY COMMERCIALY AVAILABLE BRICK.
3. BREAKING GROOVE COUPLINGS SHALL NOT BE OVER 1" ABOVE GROUND LINE.
4. ISOLATION TRANSFORMERS COME WITH A FACTORY 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.
5. 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 SHRINKABLE 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.
7. CONTRACTOR SHALL HAVE THE OPTION TO TRENCH OR PLOW UNIT DUCT. NO ADDITIONAL PAYMENT SHALL BE MADE FOR TRENCHING.
8. ALL RUNWAY/TAXIWAY EDGE LIGHTS SHALL HAVE 2" DIA. COLUMN AND FRANGIBLE COUPLINGS, UNLESS NOTED OTHERWISE.
9. INSTALL SAFETY GROUND TO EXISTING SIGNS AND L-867 CANS. ATTACH GROUND LUG TO EXISTING CAN AND INSTALL GROUND ROD AS SHOWN ON PLANS.



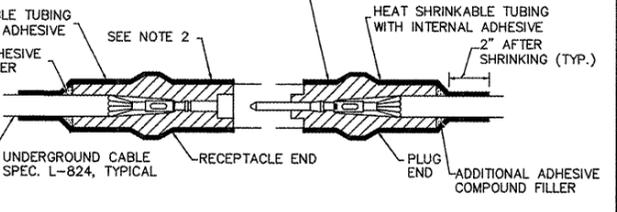
LIGHT IDENTIFICATION DETAIL
 NOT TO SCALE

NOTES:

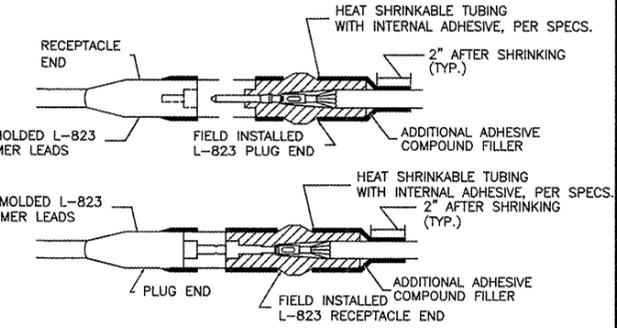
1. INSTALL A NONCORROSIVE DISC OF 2" MINIMUM DIAMETER WITH THE NUMBER PERMANENTLY STAMPED, CUT OUT, OR ENGRAVED UNDER THE HEAD OF THE BASE PLATE BOLT OR ATTACHED TO LIGHT FLANGE WITH A SET SCREW.
2. NUMERALS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. ALL EXISTING AND NEW TAXIWAY LIGHTS SHALL BE TAGGED AS DIRECTED BY THE RESIDENT ENGINEER. ALL LIGHTS ON EXISTING CIRCUITS THAT HAVE LIGHTING IMPROVEMENTS (NEW OR RELOCATED LIGHTS) SHALL BE RETAGGED.
3. COST OF TAGGING LIGHTS SHALL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.



TYPE A - CABLE SPLICE
 FOR SPLICES IN HOMERUNS AND FOR EXTENSIONS TO EXISTING CABLES ONLY
 N.T.S.



TYPE B - CABLE SPLICE
 FOR SPLICES FOR USE AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT
 NOT TO SCALE



TYPE C AND D - CABLE SPLICE
 FOR SPLICES AT RUNWAY/TAXIWAY LIGHTS AND SIGNS
 NOT TO SCALE

CABLE SPLICE NOTES

1. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.
2. WRAP WITH AT LEAST ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1-1/2 INCHES ON EACH SIDE OF JOINT.
3. THE COST OF FURNISHING AND INSTALLING ALL SPLICE MATERIALS SHALL BE INCIDENTAL TO THE ASSOCIATED CABLE ITEMS.
4. THE CONTRACTOR SHALL HAVE A MINIMUM OF TWO (2) TYPE A SPLICE KITS ON THE JOB SITE AT ALL TIMES FOR EMERGENCY REPAIRS.

IL CONTRACT: **DU078**
 IL LETTING ITEM: **9A**
 IL PROJECT: **DPA-3836**
 A.I.P. PROJECT: **3-17-0017-B23**

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

**DUPAGE AIRPORT
 WEST CHICAGO, ILLINOIS
 AIRFIELD SIGNAGE UPDATES**
ELECTRICAL DETAILS - SHEET 1

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DDMI
 DuPage Airport

DESIGN BY: AB
 DRAWN BY: JRO
 CHECKED BY: AB
 APPROVED BY: DLP
 DATE: 2/27/2009
 JOB No: 08257-02-00

FINAL
 SHEET 17 OF 18 SHEETS