

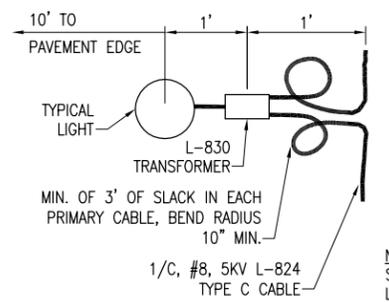
NOTES:  
DETAIL NUMBERS INDICATE NO. OF CABLES.

TRENCHES WITH MORE THAN SEVEN CABLES SHALL BE INCREASED 3" IN WIDTH FOR EACH ADDITIONAL CABLE; IF SPECIFIED ON PLANS TWO PARALLEL TRENCHES MAY BE CONSTRUCTED.

DEPTH OF TRENCHES SHALL BE AS SHOWN ABOVE UNLESS OTHERWISE SPECIFIED ON THE PLANS.

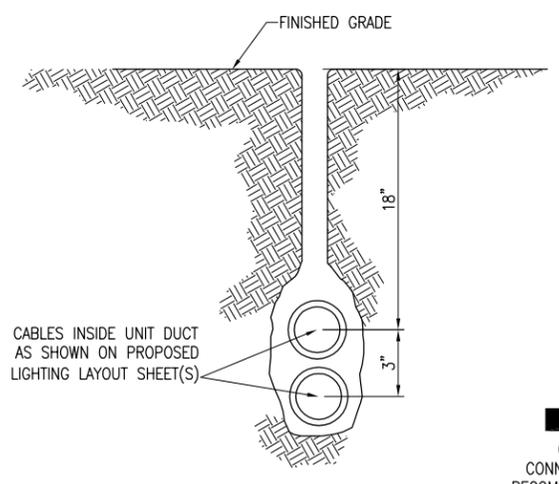
ALL DISTURBED SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. COST IS INCIDENTAL TO TRENCH.

**CABLE TRENCHES**  
(NOT TO SCALE)



**PLAN VIEW**

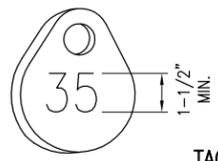
**LIGHT AND CABLE INSTALLATION DETAIL**  
(NOT TO SCALE)



**PROFILE VIEW**  
(NOT TO SCALE)

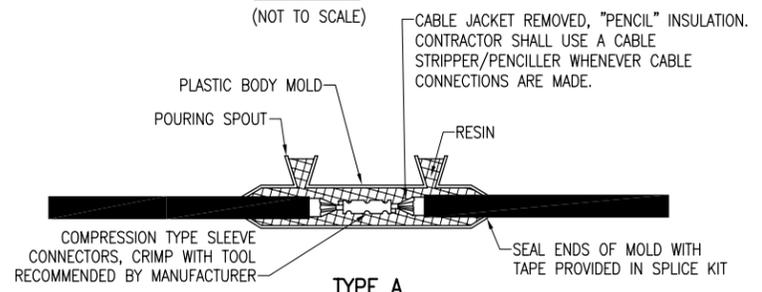
PER FAA AC 150/5340-30G DESIGN AND INSTALLATION DETAILS FOR AIRPORT VISUAL AIDS, A LIGHT BASE GROUND MUST BE INSTALLED AT EACH LIGHT FIXTURE. A LIGHT BASE GROUND SHALL BE INSTALLED AT EACH STAKE MOUNTED LIGHT AND EACH TRANSFORMER BASE/LIGHT CAN ASSOCIATED WITH RUNWAY LIGHTS, TAXIWAY LIGHTS, AND LIGHTED TAXI GUIDANCE SIGNS. THE LIGHT BASE GROUND SHALL BE A #6 AWG BARE COPPER CONDUCTOR BONDED TO THE GROUND LUG ON THE RESPECTIVE L-867 TRANSFORMER BASE/LIGHT CAN OR MOUNTING STAKE AND A 5/8-INCH DIAMETER BY 8-FOOT LONG (MINIMUM) UL LISTED COPPER CLAD GROUND ROD.

NOTES:  
SEE PROPOSED LIGHTING LAYOUT SHEET FOR LIGHT LOCATIONS.



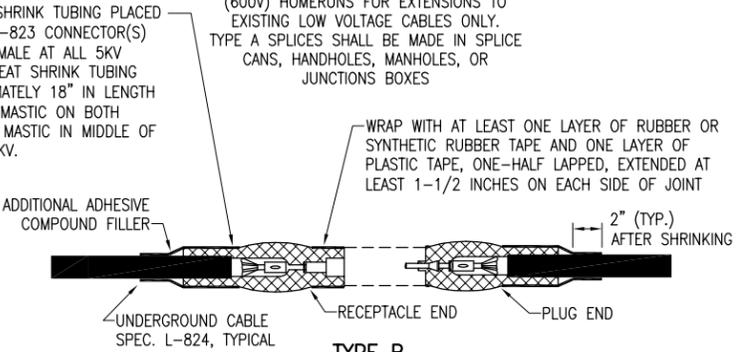
**TAG DETAIL**  
(NOT TO SCALE)

NOTE:  
AFFIX NON-CORROSIVE TAG TO FIXTURE FACING RUNWAY WITH SET SCREW, WIRE TIE, OR METAL BAND. NUMERALS SHALL BE ENGRAVED FOR PERMANENT READABILITY.



**TYPE A**

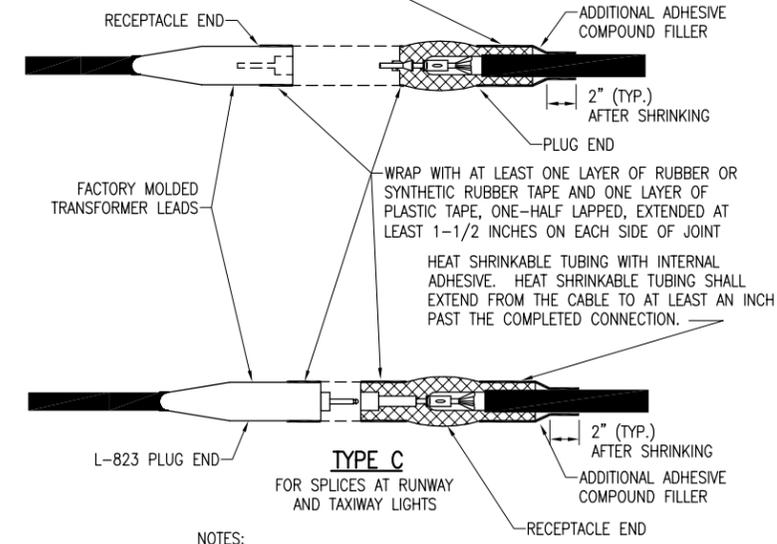
FOR SPLICES IN LOW VOLTAGE CABLE (600V) HOMERUNS FOR EXTENSIONS TO EXISTING LOW VOLTAGE CABLES ONLY. TYPE A SPLICES SHALL BE MADE IN SPLICE CANS, HANDHOLES, MANHOLES, OR JUNCTIONS BOXES



**TYPE B**

FOR SPLICES AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT AND FOR SPLICES IN HOMERUNS TO EXISTING CABLES

HEAT SHRINKABLE TUBING WITH INTERNAL ADHESIVE. HEAT SHRINKABLE TUBING SHALL EXTEND FROM THE CABLE TO AT LEAST AN INCH PAST THE COMPLETED CONNECTION.



**TYPE C**

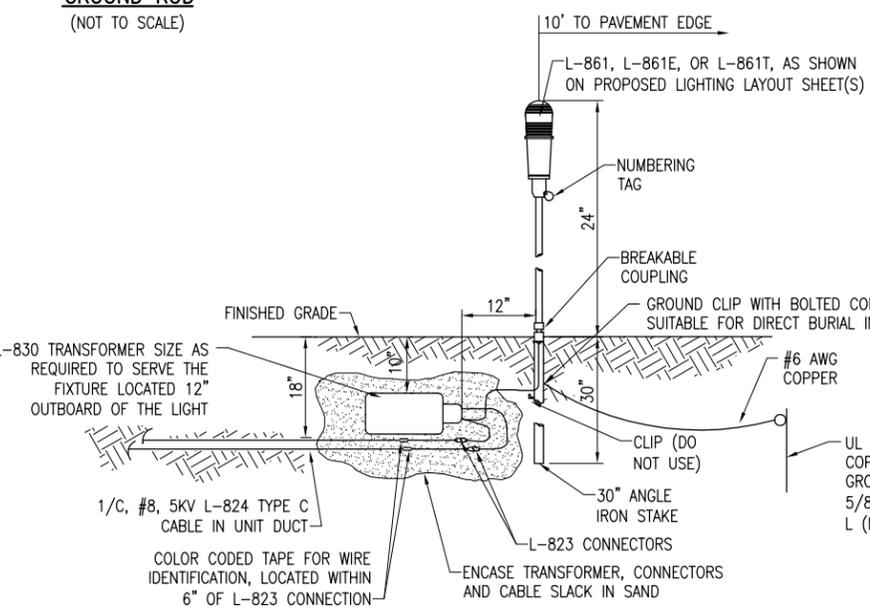
FOR SPLICES AT RUNWAY AND TAXIWAY LIGHTS

NOTES:  
SEE PROPOSED LIGHTING LAYOUT SHEET(S) FOR SPLICE TYPE.

INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE.

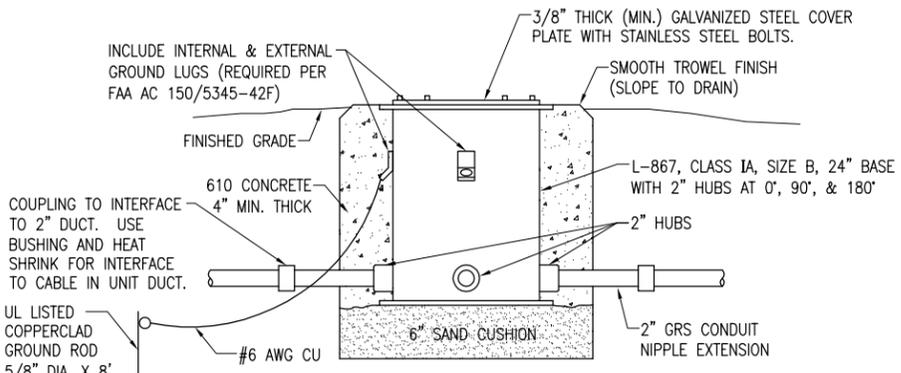
**CABLE SPLICES**  
(NOT TO SCALE)

**GROUND ROD**  
(NOT TO SCALE)



**MEDIUM INTENSITY LIGHT - STAKE MOUNTED**  
(NOT TO SCALE)

**SPLICE CAN DETAIL**  
(NOT TO SCALE)



NOTE:  
FOR THE PURPOSE OF ENHANCING SAFETY, EACH BASE MUST HAVE INSTALLED, BY THE MANUFACTURER, AN INTERNAL AND EXTERNAL GROUND STRAP THAT IS AVAILABLE FOR THE PURPOSE OF ATTACHING A GROUND LUG THAT IS CONNECTED TO AN EARTH GROUND OR A SAFETY GROUND CONDUCTOR INSTALLED WITH THE RESPECTIVE CIRCUIT. FOR AIRPORT PROJECTS RECEIVING FEDERAL FUNDS THIS REQUIREMENT IS MANDATORY PER FAA AC 150/5345-42F.

| REVISION |  |
|----------|--|
| DATE     |  |

LITCHFIELD MUNICIPAL AIRPORT  
LITCHFIELD, ILLINOIS

BLOCK GRANT PROJ.: 3-17-0063-B19  
IL PROJ.: 3LF-4194

|                           |                  |
|---------------------------|------------------|
| Hanson Proj. No. 12A0062D | 12/31/12         |
| Filename E-501-DETL.dwg   | BAK 01/03/13     |
| Scale NOT TO SCALE        | CAH/KNL 01/10/13 |
| Date 01/11/13             |                  |
| LAYOUT                    |                  |
| DRAWN                     |                  |
| REVIEWED                  |                  |

**HANSON**  
Professional Services Inc. 2013  
1525 South Sixth Street  
Springfield, Illinois 62703-2986  
Ph: (217) 788-2450 Fax: (217) 788-2503  
www.hanson-inc.com  
Offices Nationwide

REALIGN TAXIWAY "A"  
ELECTRICAL DETAILS  
SHEET 1

FEB 05, 2013 4:26 PM HAGL000382  
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