

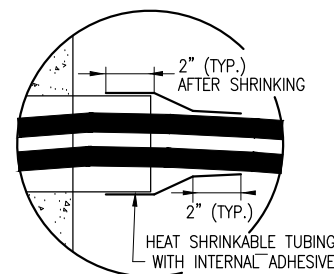
**MEDIUM INTENSITY LIGHT - BASE MOUNTED**

(NOT TO SCALE)

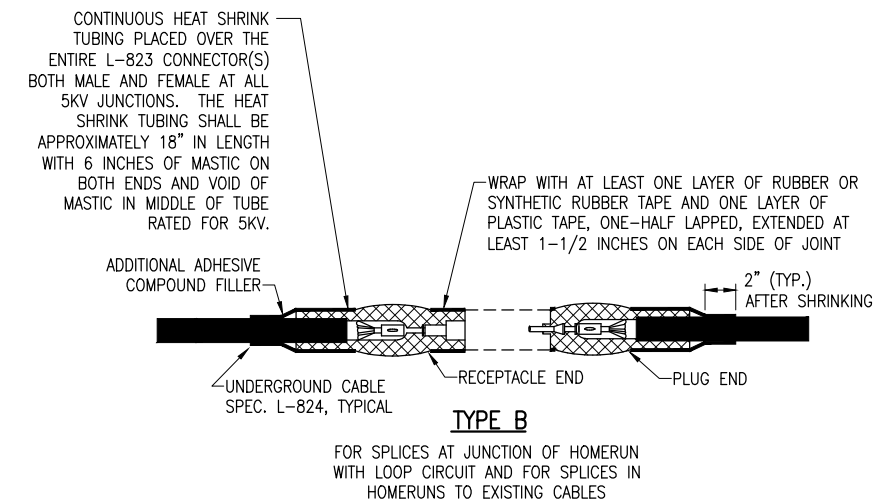
**NOTES**

1. THE EXISTING AIRFIELD LIGHTS DESIGNATED FOR RELOCATION WILL REQUIRE THE CONTRACTOR TO REMOVE THE DESIGNATED LIGHT IN A MANNER AS NOT TO DAMAGE THEM. THE CONTRACTOR WILL NEED TO FIELD VERIFY THE EXISTING SITE CONDITIONS. THE CONCRETE BASE-MOUNTED LIGHT WILL BE EXCAVATED AND MOVED TO ITS DESIGNATED LOCATION IN ITS ENTIRETY. ALL COMPONENTS OF THE MEDIUM-INTENSITY LIGHT WILL BE RELOCATED IN ITS CURRENT CONDITION. ANY DAMAGE, BEYOND WHAT IS DOCUMENTED AND CONFIRMED BY THE RESIDENT ENGINEER/RESIDENT PROJECT REPRESENTATIVE, TO THE EXISTING LIGHTING SYSTEM WILL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE. GROUND RODS SHALL BE PROVIDED FOR EACH RELOCATED LIGHT FIXTURE AS DETAILED ON THE PLANS AND AS SPECIFIED HEREIN. WHERE THE EXISTING LIGHT FIXTURE HAS A GROUND ROD, THE GROUND ROD MAY BE RELOCATED WITH THE RESPECTIVE LIGHT FIXTURE, WHERE DETERMINED THAT THE GROUND ROD IS SUITABLE FOR USE. THE CONTRACTOR SHALL LOCATE, DISCONNECT, REROUTE, AND RECONNECT THE RESPECTIVE 1/C #8 5KV UG CABLE-IN-UNIT DUCT TO THE RELOCATED AIRFIELD LIGHT FIXTURE. PROVIDE NEW L-823 CABLE CONNECTORS AS APPLICABLE TO CONNECT THE RELOCATED LIGHT FIXTURE.
2. THE RESPECTIVE PERSONNEL PERFORMING AIRFIELD LIGHTING WORK SHALL BE FAMILIAR WITH AND QUALIFIED TO WORK ON 5,000 VOLT AIRFIELD LIGHTING SERIES CIRCUITS.
3. EVERY AIRFIELD LIGHTING CABLE SPLICER SHALL BE QUALIFIED IN MAKING CABLE SPLICES AND TERMINATIONS ON CABLES RATED AT AND/OR ABOVE 5,000 VOLTS AC. THE CONTRACTOR SHALL SUBMIT TO THE PROJECT ENGINEER PROOF OF THE QUALIFICATIONS OF EACH PROPOSED CABLE SPLICER FOR THE CABLE TYPE AND VOLTAGE LEVEL TO BE WORKED ON. CABLE SPlicing/Terminating PERSONNEL SHALL HAVE A MINIMUM OF THREE (3) YEARS CONTINUOUS EXPERIENCE IN TERMINATING/SPLICING MEDIUM VOLTAGE CABLE.
4. NOTE SOME EXISTING LIGHT BASES MIGHT HAVE ONE 3-INCH HUB INSTEAD OF TWO 2-INCH HUBS. CONTRACTOR WILL NEED TO FIELD VERIFY EXISTING SITE CONDITIONS FOR THE RESPECTIVE LIGHT FIXTURES.

PER FAA AC 150/5340-30H 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.

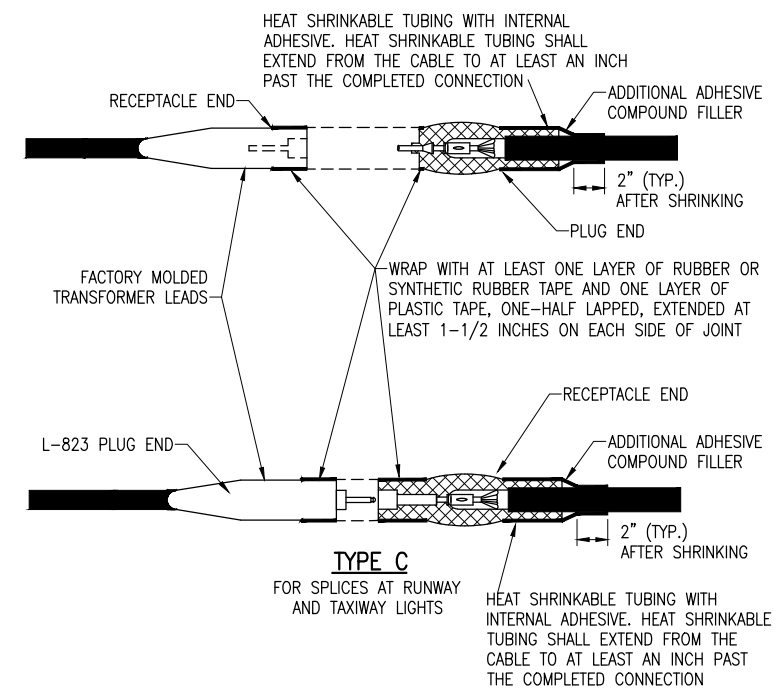


**DETAIL "B"**  
(NOT TO SCALE)



**TYPE B**

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



**TYPE C**

FOR SPLICES AT RUNWAY AND TAXIWAY LIGHTS

**CABLE SPLICES**  
(NOT TO SCALE)

**NOTES:**

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

**CONSTRUCT ACCESS TO SNOW REMOVAL EQUIPMENT STORAGE BUILDING**

IDA No: 2H0-4341  
SBG No: 3-17-SBGP-XX

CONTRACT No: SE005

NO.	DATE	DESCRIPTION		
		DES	DWN	REV

ISSUE: DECEMBER 4, 2014  
PROJECT NO: 13A0082  
CAD FILE: C-501-ELE.DWG  
DESIGN BY: KNL 11/18/2014  
DRAWN BY: MLH 11/18/2014  
REVIEWED BY: RAW 12/04/2014

SHEET TITLE

**ELECTRICAL DETAILS**