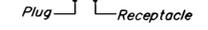


**SCHEDULE OF CABLE CONNECTORS**

	HOMAC MFG. CO. (Flood-Seal Series)	AMERACE CORP. (Elastimid Style)
■ In-Line Connector Kit (F)	SLK	65
□ In-Line Connector Kit (NF)	SDK	20
■ Wye Connector Kit (F)	FYU or FYC	82S or 82
□ Wye Connector Kit (NF)	DYU or DYC	83S or 83
■ Three-Way Splice Kit	SL3 or RAB-3	84S or 84
■ Four-Way Splice Kit	RAB-4	86H
■ Six-Way Splice Kit	RAB-5 or RAB-6	-
■ In-Line Splice Kit	CBS	86U or 86
■ 5 KV Connector Kit	-	54B



**NOTES:**

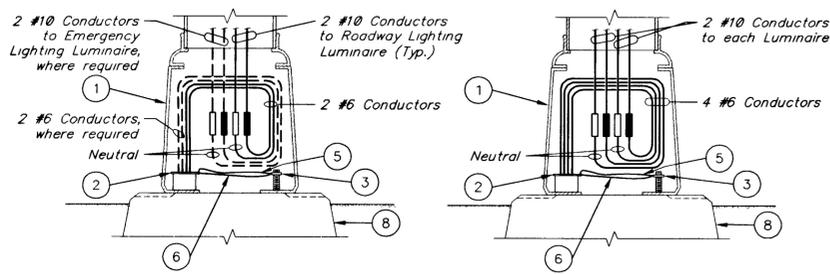
- Abbreviations: (F) - Fused (NF) - Non-Fused
- All fused and non-fused In-Line and Wye connector kits shall be "Breakaway" type.
- All fuses shall be 6A, except those fuses for 1500W emergency lighting luminaires, which shall be 10A.
- Crimp type connector kits (FYC, DYC, 82, 83, & 84) shall be used only for large size cables where screw terminal type connector kits are not available.
- The Contractor shall supply approved type mechanical connectors for Type 86, 86U, and 86H splice kits.

**LEGEND:**

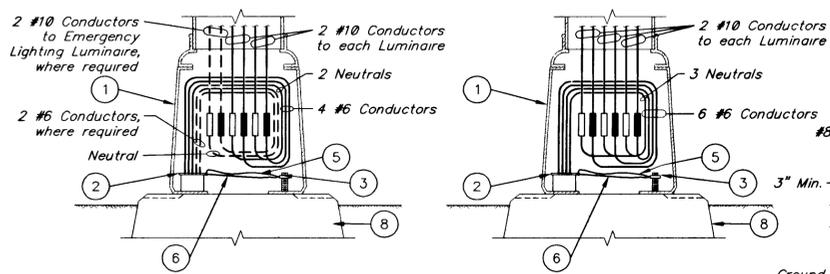
- Neutral Wire Designation (Typ.)
- ① Lighting Standard Transformer Base
- ② Insulated Grounding Bushing
- ③ Grounding Terminal (See Detail D, Standard Dwg. E-7)
- ④ 12"x1"x 3/8" Grounding Bus Bar
- ⑤ No.8 Ground Wire
- ⑥ No.10 Ground Wire
- ⑦ Bare Copper Ground Wire (Size as noted on the Plans)
- ⑧ Lighting Standard Base, Type I, II, IV or V, as required
- ⑨ Lighting Standard Base, Type III
- ⑩ Ballast Seat - 4L 5.4, 6" Long, H.D. Galv or Nonmetallic, as approved
- ⑪ Concrete Junction Box, Type C or CS
- ⑫ Junction Box Frame Grounding
- ⑬ 3" Nonmetallic Conduit or Cable Duct, as required
- ⑭ 3" Nonmetallic Conduit
- ⑮ 3" Rigid Metallic Conduit
- ⑯ 2" Rigid Metallic Conduit to Lighting Standard
- ⑰ 2" Rigid Metallic Conduit to Miscellaneous Facilities
- ⑱ 1 1/2" Rigid Metallic Conduit to Underbridge Lighting
- ⑲ 1" Rigid Metallic Conduit to Lighting Standard

**NOTES:**

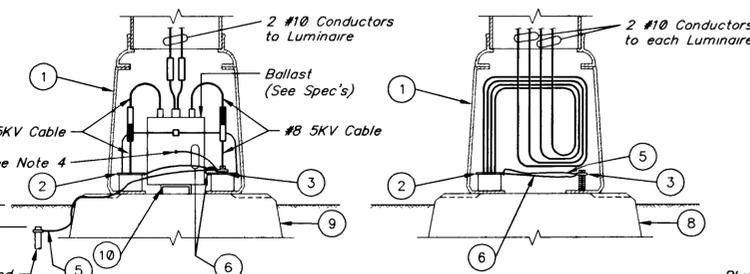
- Number and size of conductors are shown on Plans.
- These connections to be used for large underbridge lighting loads. See Plans for arrangement and fusing.
- Similar grounding shall be installed at all lighting standards which are not adjacent to a junction box or manhole.
- Metallic handle of ballast, where used, shall be grounded.
- Conduits shown refer to typical installations. Other types and sizes shall be as noted on the Plans.
- Wiring in roadway lighting manholes shall be similar to typical wiring shown for junction boxes.
- Wiring for lighting standards installed on junction box foundations and bridge parapets shall be in accordance with applicable details shown on this Drawing.
- Wiring as shown is diagrammatic. Sufficient slack of conductors shall be provided by looping the conductors in each transformer base, junction box and manhole.



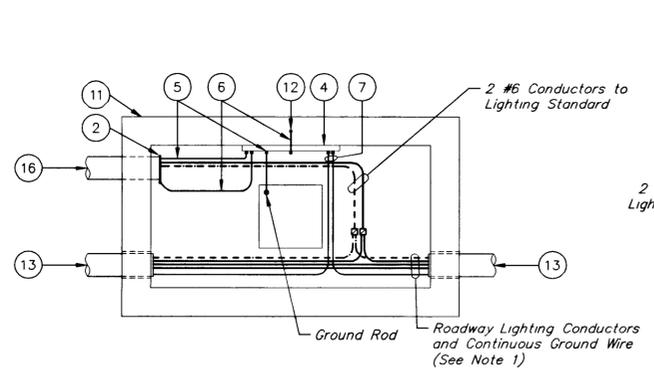
**SINGLE ARM LTG. STANDARDS  
LUMINAIRES WITH INTEGRAL MULTIPLE BALLASTS**



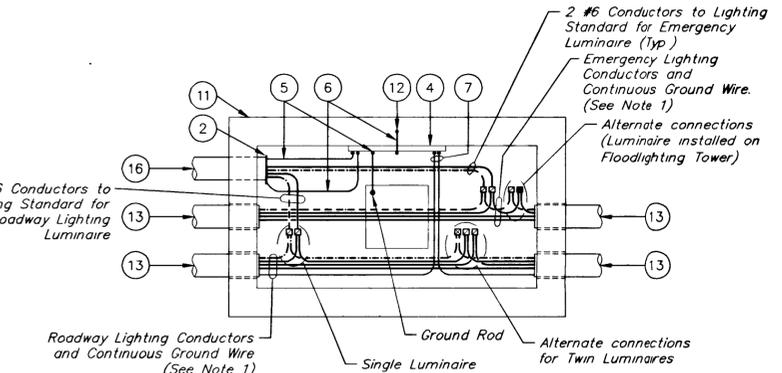
**TWIN LUMINAIRES  
LUMINAIRES WITH INTEGRAL MULTIPLE BALLASTS**



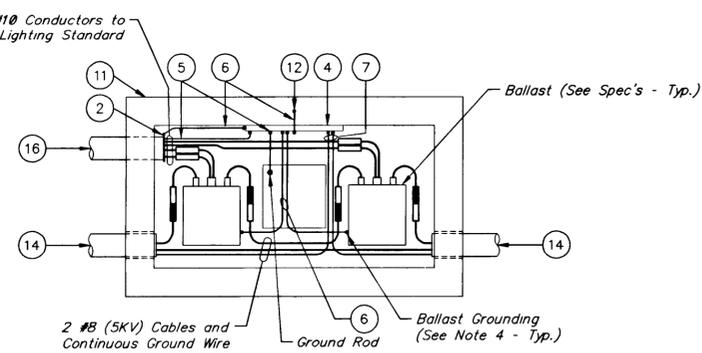
**SINGLE ARM LTG. STANDARDS  
LUMINAIRES WITH REMOTE SERIES BALLASTS**



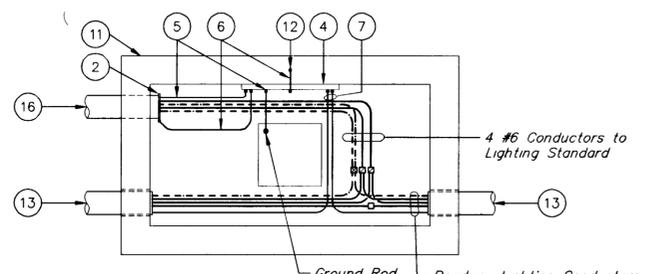
**FOR SINGLE ARM LIGHTING STANDARDS**



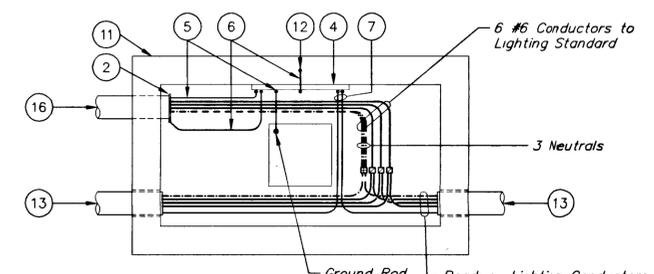
**FOR LIGHTING STANDARDS WITH ROADWAY AND  
EMERGENCY LIGHTING LUMINAIRES**



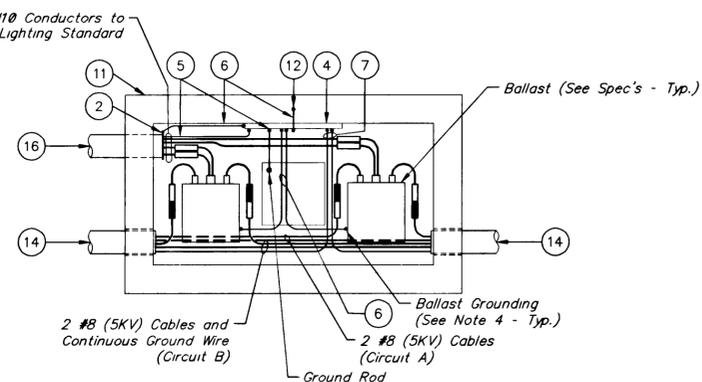
**FOR TWIN ARM LIGHTING STANDARDS  
(CONNECTED TO ONE CIRCUIT)**



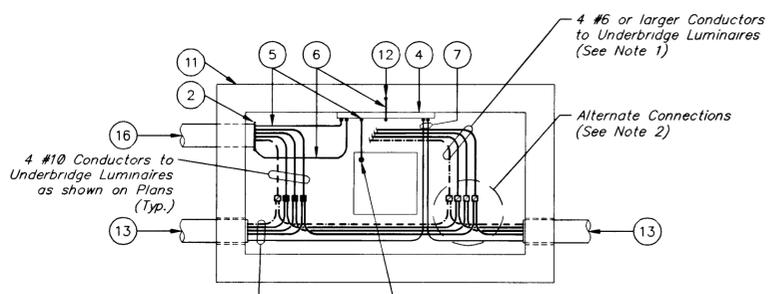
**FOR TWIN ARM LIGHTING STANDARDS**



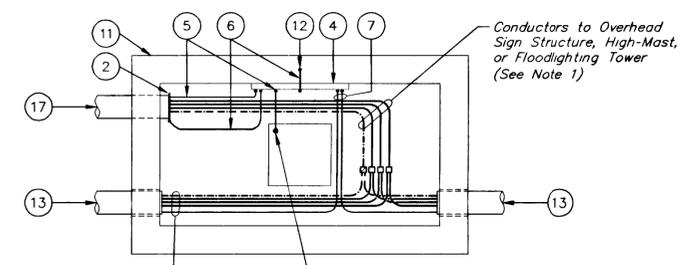
**TRIPLE ROADWAY LIGHTING LUMINAIRES**



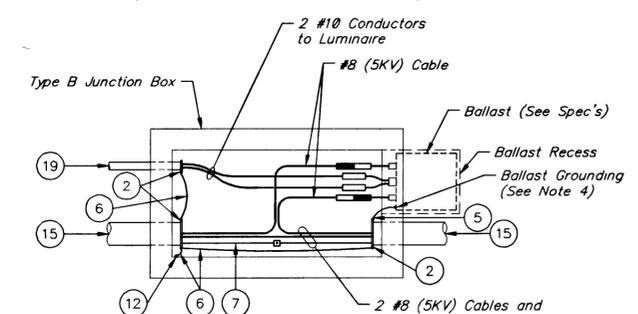
**FOR TWIN ARM LIGHTING STANDARDS  
(CONNECTED TO TWO CIRCUITS)**



**FOR UNDERBRIDGE LIGHTING CIRCUITS**



**FOR FLOOD, HIGH-MAST, AND SIGN LIGHTING CIRCUITS**



**FOR SINGLE ARM LIGHTING STANDARDS ON STRUCTURES**

**MULTIPLE LIGHTING SYSTEM**

**TYPICAL WIRING IN TRANSFORMER BASES AND JUNCTION BOXES**

**SERIES LIGHTING SYSTEM**



ORIGINAL SIZE IN INCHES

APR	NO	DATE	REVISION
		11/04	REISSUED

BY	DATE
CMT	03/1987
TRACED	MDC 11/2004
CHECKED	ALB 11/2004
REVISIONS	JMD 11/2004

NEW JERSEY TURNPIKE AUTHORITY  
**NEW JERSEY TURNPIKE**  
 ROADWAY LIGHTING  
 INSTALLATION DETAILS - III  
**HNTB CORPORATION**  
 145 RT 46 WEST, SUITE 400, WAYNE NJ 07470  
**JOHN M. ORMAN**  
 License No. CE 39691  
**STANDARD DRAWING**  
**E-11**

**CONTRACT NO.**

**SHEET NO.**

**OF**