1. 50' (15.24 m) poles with double mast arms or poles weighing in excess of 1000 LBS shall not be installed on a slip base.

2. Galvanizing shall be in accordance with AASHTO M 111.

3. See Standard Plans C-8b, C-85.15, and J-28.60 for foundation and base plate requirements when light standards are mounted on cement concrete traffic barrier.

4. See Standard Specification Sections 6-03.3(33) and 8-20.3 (4) for the torque requirements for all of the anchor bolt installations. Install 1" (in) diameter clamping bolts in all slip bases to a torque of 95 Foot-Pounds. DO NOT OVERTIGHTEN. After state inspection, burr threads to prevent nut rotation.


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**EXPLODED VIEW**

HEAVY HEX NUT (TYP.) - SIZE TO MATCH ANCHOR BOLT

ROUND WASHER (TYP.) - SIZE TO MATCH ANCHOR BOLT

LUMINAIRE POLE

POLE BASE PLATE

KEEPER PLATE

ANCHOR/SLIP PLATE ASSEMBLY - SEE STD. PLAN J-28.42

CAPPED CONDUIT

SLIP BASE FOUNDATION - SEE STD. PLAN J-28.30

3" (IN) DIAM. X 3 1/4" (IN) GROUT WELL (TYP.)

**PLATE WASHER DETAIL**

3/8" (IN) I.D. DRAIN TUBE IN GROUT PAD

**PLATE WASHER DETAIL**

HEAVY HEX NUT (TYP.) - SIZE TO MATCH ANCHOR BOLT

ROUND WASHER (TYP.) - SIZE TO MATCH ANCHOR BOLT

PLATE WASHER (TYP.) - SEE DETAIL

FIXED BASE FOUNDATION - SEE STD. PLAN J-28.30

CAPPED CONDUIT

3" (IN) DIAM. X 3 1/4" (IN) GROUT WELL (TYP.)

**PLAN VIEW**

SLIP BASE

THE FINAL HEIGHT OF THE ANCHOR BOLTS MUST BE 1/8" (IN) BELOW THE TOP OF THE ANCHOR/SLIP PLATE ASSEMBLY TO ENSURE PROPER FUNCTION OF THE SLIP BASE

TOP OF ANCHOR BOLT

LEAVE 2" (IN) HOLLOW IN THE CENTER OF THE GROUT PAD

APPLY GROUT EVEN WITH THE BOTTOM OF THE POLE BASE PLATE AFTER PLUMBING THE LUMINAIRE POLE

BOLT CAN PROTRUDE 5/8" (IN) MAX. WITH A MIN. OF TWO THREADS EXPOSED ABOVE NUT

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**ASSEMBLED**

ISOMETRIC VIEW

SLIP BASE

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**ASSEMBLED**

ISOMETRIC VIEW

FIXED BASE

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**EXPLODED VIEW**

HEAVY HEX NUT (TYP.) - SIZE TO MATCH ANCHOR BOLT

ROUND WASHER (TYP.) - SIZE TO MATCH ANCHOR BOLT

LUMINAIRE POLE

POLE BASE PLATE

KEEPER PLATE

ANCHOR/SLIP PLATE ASSEMBLY - SEE STD. PLAN J-28.42

CAPPED CONDUIT

SLIP BASE FOUNDATION - SEE STD. PLAN J-28.30

3" (IN) DIAM. X 3 1/4" (IN) GROUT WELL (TYP.)

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**ASSEMBLED**

ISOMETRIC VIEW

SLIP BASE

---

**ASSEMBLED**

ISOMETRIC VIEW

FIXED BASE

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**NOTE 1:**

1. 50' (15.24 m) poles with double mast arms or poles weighing in excess of 1000 LBS shall not be installed on a slip base.

2. Galvanizing shall be in accordance with AASHTO M 111.

3. See Standard Plans C-8b, C-85.15, and J-28.60 for foundation and base plate requirements when light standards are mounted on cement concrete traffic barrier.

4. See Standard Specification Sections 6-03.3(33) and 8-20.3 (4) for the torque requirements for all of the anchor bolt installations. Install 1" (in) diameter clamping bolts in all slip bases to a torque of 95 Foot-Pounds. DO NOT OVERTIGHTEN. After state inspection, burr threads to prevent nut rotation.


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**APPENDIX**

EXPLODED VIEW

HEAVY HEX NUT (TYP.) - SIZE TO MATCH ANCHOR BOLT

ROUND WASHER (TYP.) - SIZE TO MATCH ANCHOR BOLT

LUMINAIRE POLE

POLE BASE PLATE

KEEPER PLATE

ANCHOR/SLIP PLATE ASSEMBLY - SEE STD. PLAN J-28.42

CAPPED CONDUIT

SLIP BASE FOUNDATION - SEE STD. PLAN J-28.30

3" (IN) DIAM. X 3 1/4" (IN) GROUT WELL (TYP.)

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**EXPLODED VIEW**

HEAVY HEX NUT (TYP.) - SIZE TO MATCH ANCHOR BOLT

ROUND WASHER (TYP.) - SIZE TO MATCH ANCHOR BOLT

PLATE WASHER (TYP.) - SEE DETAIL

FIXED BASE FOUNDATION - SEE STD. PLAN J-28.30

CAPPED CONDUIT

3" (IN) DIAM. X 3 1/4" (IN) GROUT WELL (TYP.)

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**PLAN VIEW**

SLIP BASE

THE FINAL HEIGHT OF THE ANCHOR BOLTS MUST BE 1/8" (IN) BELOW THE TOP OF THE ANCHOR/SLIP PLATE ASSEMBLY TO ENSURE PROPER FUNCTION OF THE SLIP BASE

TOP OF ANCHOR BOLT

LEAVE 2" (IN) HOLLOW IN THE CENTER OF THE GROUT PAD

APPLY GROUT EVEN WITH THE BOTTOM OF THE POLE BASE PLATE AFTER PLUMBING THE LUMINAIRE POLE

BOLT CAN PROTRUDE 5/8" (IN) MAX. WITH A MIN. OF TWO THREADS EXPOSED ABOVE NUT

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**SECTION A**

(CONDUIT NOT SHOWN)