## BASE TABLE

<table>
<thead>
<tr>
<th>ADAPTOR TYPE</th>
<th>ANCHOR BOLT (IN)</th>
<th>BOLT CIRCLE DIAMETER (IN)</th>
<th>EXISTING BASE TYPE</th>
<th>LUMINAIRE HEIGHT (H = 2 - 6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-1</td>
<td>1&quot;</td>
<td>11&quot;</td>
<td>WELDED PLATE</td>
<td></td>
</tr>
<tr>
<td>A-2</td>
<td>1&quot;</td>
<td>12 1/4&quot;</td>
<td>CAST ALUMINUM</td>
<td></td>
</tr>
<tr>
<td>A-3</td>
<td>1&quot;</td>
<td>13 3/4&quot;</td>
<td>STEEL TRANSFORMER</td>
<td></td>
</tr>
<tr>
<td>A-4</td>
<td>1 1/8&quot;</td>
<td>14 1/8&quot;</td>
<td>2-PC. ALUM. CLAMP</td>
<td></td>
</tr>
<tr>
<td>A-5</td>
<td>1 1/4&quot;</td>
<td>14 1/8&quot;</td>
<td>2-PC. ALUM. CLAMP</td>
<td>40&quot;</td>
</tr>
</tbody>
</table>

### ANCHOR PLATE SLOT TABLE

<table>
<thead>
<tr>
<th>ANCHOR BOLT DIAMETER (IN)</th>
<th>SIZE</th>
<th>W (IN)</th>
<th>L (IN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>1/4&quot;</td>
<td>2&quot;</td>
<td></td>
</tr>
<tr>
<td>1 1/8&quot;</td>
<td>1/4&quot;</td>
<td>2&quot;</td>
<td></td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>1/2&quot;</td>
<td>2 1/4&quot;</td>
<td></td>
</tr>
</tbody>
</table>

## CONSTRUCTION NOTES

1. Wire brush existing threads.

2. Apply two coats of galvanizing paint (per Standard Specification Section 9-08.1(28)).

3. Tighten bolt by "Turn of Nut" method (per Standard Specification Section 6-03.3(33)).

## PLATE WASHER DETAIL

### Key

- **Bolt Head**
- **Threaded Stud**
- **Screw Head**
- **Anchor Plate**
- **Baggage Rack**
- **Lumber Arm**
- **Foundation**
- **Baseline**

## NOTES

1. The purpose of this plan is to provide the details for retrofitting a 4-bolt flange base with a slip base assembly.

2. Existing anchor bolts shall be inspected for corrosion, thread damage, and galvanic. To minimize galvanic corrosion between dissimilar metals, ensure galvanizing remains intact while installing aluminum luminaire.

3. After bolting the bottom slip plate assembly to the foundation, fill the socket bolt holes with mastic per Standard Specification Section 9-08.7.

4. Grade around the foundation to ensure the stub height does not exceed 3 7/8" (in). For grading requirements, see Standard Plan J-28.22.

5. Removal of the flange base from the existing base plate is required.

6. Misaligned anchor bolts shall be removed and replaced.

7. This adaptor shall be used only on luminaire poles that contain a handhole. Replace standards and foundation when the handhole is located in the flange base.

8. Galvanize the anchor plate, bottom slip plate, and top slip plate after fabrication according to ASTM A123.

9. Galvanize all hardware according to ASTM F2329.

10. **ANCHOR PLATE** ~ 0.0149" (IN) 28 GAGE PLATE (ASTM A653 GRADE DH, GALVANIZING (TO LOCK TAPPED STUD IN PLACE PRIOR TO STUD AND CENTER PUNCH AT BOTTOM PERIPHERY HEX NUT (FOUR PER BASE PLATE) INSERT THREADED SLOTTED STUD ~ SEE BASE TABLE PER ASTM F3125)

11. **PLATE WASHER** ~ PER ASTM A533 COATING DESIGNATION G90

12. **TOP SLIP PLATE** ~ PER ASTM A572 GR. 50 OR A588

13. **BOTTOM SLIP PLATE** ~ PER ASTM A572 GR. 50 OR A588

14. **ANCHOR PLATE** ~ PER ASTM A572 GR. 50 OR A588

15. **ANCHOR BOLT (EXISTING) ~ TRIM TO CLEAR SLIP PLATE BY 1/8" (IN) MIN.**

16. **3/8" (IN) DRAIN TUBE** ~ PER STANDARD SPECIFICATION SECTION 9-28.2(3)

17. **HEAVY HEX NUT (TYP.) ~ (PER ASTM A572 GRADE DH)**

18. **PLATE WASHER (ASTM A36)**

19. **KEEPER PLATE** ~ 0.0140" (IN) 28 GAGE PLATE (PER ASTM A533 COATING DESIGNATION G90)

20. **POLE WALL** ~ (EXISTING)

21. **ANCHOR BOLT (EXISTING) ~ TRIM TO CLEAR SLIP PLATE BY 1/8" (IN) MIN.**

22. **3/8" (IN) DRAIN TUBE** ~ PER STANDARD SPECIFICATION SECTION 9-28.2(3)

23. **HEAVY HEX NUT (TYP.) ~ (PER ASTM A572 GRADE DH)**

24. **PLATE WASHER (ASTM A36)**