NOTES:
1. All materials and construction shall conform to the manufacturer's requirements and to the project specifications.
2. The hardware used to connect the pole to the base, and the base to the foundation, shall meet all applicable structural and installation requirements as prescribed by the pole and Breakaway base manufacturer.
3. Poles shall be mounted on a breakaway base with 4 high-strength bolts (ASTM F3125 OR A325). Utilizing 1 hex nut, 1 flat washer, and 1-3⁄4" OD x 13⁄4" ID x 1/2" thick steel washer per bolt, all furnished with the breakaway base.

<table>
<thead>
<tr>
<th>Base Type</th>
<th>Bolt Size</th>
<th>Pole Types</th>
<th>Bottom Bolt Circle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1&quot; Dia x 4&quot;</td>
<td>Aluminum S, C and Steel A and S</td>
<td>12&quot;</td>
</tr>
<tr>
<td>3</td>
<td>1-3⁄4&quot; Dia x 1-3⁄4&quot;</td>
<td>Aluminum H, I and T</td>
<td>113⁄4&quot;</td>
</tr>
</tbody>
</table>

4. A bolt circle smaller than specified shall not be used except when specifically approved by the Engineer. If a smaller bolt circle is approved, steel pack washers shall be used in a manner approved by the manufacturer.
5. All bolts shall be installed and torqued according to the breakaway base manufacturer's requirements.
6. The base shall be installed such that the base access door or cover is positioned under the most arc, or 180 degrees to the most arc, behind the most arm side of the pole. The door or cover opening shall always be perpendicular to the direction of traffic.
7. An un-fused connector shall be used for each conductor in the breakaway base, except for the bond which shall be connected directly to the base ground bus. For details see T3, Series 4. The fused connections shall be in the junction or pull box adjacent to the pole foundation.
8. The base door or cover shall have the base and/or pole manufacturer's name on it. The door shall be secured with standard 3⁄8"-24 stainless steel hex screws or vandal-resistant screws. All screws shall be furnished with the base. The door can be hinged, or be a removable panel.
9. M-3⁄8" x 3⁄4" I.D. x 3⁄4" thick washers and 3⁄4" OD x 13⁄4" ID x 1/2" thick washers shall be zinc plated coated per ASTM B 699-85 class 5B, with a smooth outer surface. All other bolts, nuts & washers shall be galvanized per ASTM A53.
10. The bases shown are two piece weldments that are in conformance to ASTM B 108 aluminum alloy permanent mold castings.
11. Certifications shall be provided by pole and breakaway base manufacturer when requested. Certifications shall cover materials used, FMA crash worthiness approval, and conformance to loading criteria stated herein.
12. The caution and use instructions label shall be secured inside the base on the wall opposite of the access door plate or on the cover itself.
13. The base, as supplied and installed, shall conform to all applicable AASHTO, NCHRP, and FMA requirements for fragility bases for roadway light poles.
14. The base depicted in these drawings is made by the Akron Foundry, this is not intended to limit or restrict competition, but to establish the needed performance and function of breakaway bases.