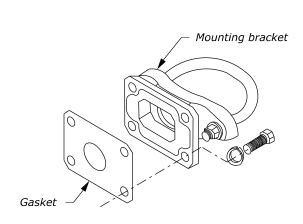
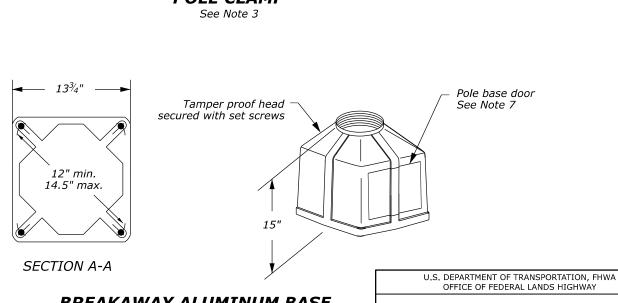


CABINET



POLE CLAMP

- minimum cover of 12 inches. Otherwise, provide a minimum cover of 18 inches.
- 2. Install copper-clad ground rod or copper plate according to Subsection 636.07.
- 3. Refer to Subsection 721.01(f) for grounding and bonding equipment material requirements.
- 4. Refer to Subsection 721.02(a) for pole and cabinet paint requirements.
- 5. Provide cabinet equipped with a door stop that holds the door open at 90 degrees and 120 degrees.
- 6. Ensure cabinet is clean, watertight, and tilted to prevent standing water.
- 7. Place cabinet and pole base door so that they face away from the direction of traffic.
- 8. Install anchor bolts vertically using templates provided by the manufacturer. Alternatively, use \(^3\)/₄-inch diameter, 18-inch long elbowed bolts.



POLE-MOUNTED CABINET

20W min. solar panel

4" dia., Schedule 80 spun aluminum pole

Cabinet ground busbar

Ground surface

See Note 2

See Note 7

Breakaway aluminum base

(min.)

1 ½" PVC conduit

6" x 6" Welded wire mesh with minimum 1' overlap

See Note 8

 $\frac{3}{4}$ " dia. x 18" long anchor bolt (typ.)

NEMA Type 3R watertight, outdoor cabinet

30" x 24" x 16" unless otherwise approved by the CO

1'-6"

 $\frac{5}{8}$ " dia. x 8' copper-clad ground rod or 14" x 14" copper ground plate

(As required)

Mount solar panel clamp a maximum

of 6" below the top of the pole with

a bracket that offers horizontal and

3'-3" Pole

3'-0'

4'-6" mounting

height

12" or 18" (min.) See Note 1

height

vertical positioning of the panel

Pole clamps

Drill pole to provide wire access between the pole and cabinet

Terminate conduit 2" above the

bottom of the breakaway base

2" PVC conduit

To pull box

 $\frac{1}{2}$ " max.

Concrete foundation

10"

BREAKAWAY ALUMINUM BASE

NO SCALE

TRAFFIC COUNTER CABINET WITH 4'-6" SOLAR PANEL **MOUNTING HEIGHT**

EFLHD DETAIL E636-07

SPECIFICATION FP-24, FP-14 APPROVED FOR USE 06/2024