NOTES:
1. If cabinet is located more than 30 feet from the edge of travelway, provide a 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 tilled 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 5/8-inch diameter, 18-inch long lengthed bolts.

POLE MOUNTED CABINET

Aluminum shelf, adjustable in 2-inch increments starting 5 inches from cabinet base to 6 inches from cabinet top that does not deform or restrict air flow or block access to other equipment.

If required, place fan on right wall louver as directed by the CO.

Side-opening door encompassing 80% (approx.) of the cabinet face.

Door handle capable of padlocking.

On left wall, 6" x 6" louvers with internally sealed air inlet louver. Do not interfere with terminal strips. Ensure right wall louver is 4" from top of wall.

CABINET

Mount solar panel clamp a maximum of 6" below the top of the pole with a bracket that offers horizontal and vertical positioning of the panel.

20W minimum solar panel (As required)

4" diameter, Schedule 80 spun aluminum pole

3'-3" Pole height

4'-6" mounting height

Pole clamps

NEMA Type 3R watertight, outdoor cabinet

30" x 24" x 18" unless otherwise approved by the CO

See Note 7

Cabinet ground busbar

Drill pole to provide wire access between the pole and cabinet

Terminate conduit 2" above the bottom of the breakaway base

Breakaway aluminum base

Ground surface

6" (min.)

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

2" PVC conduit

1/2" (max.)

Concrete foundation

3'-0"

3'-3"

To pull box

1 1/2" PVC conduit

1/2" dia. x 18" long anchor bolt (typ.) See Note 8

1/2" dia. x 8" copper-clad ground rod or 14" x 14" copper ground plate See Note 2

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

SECTION A-A

13 3/8"

12.0" (min.)

14.5" (max.)

15"

Tamper proof head Secure with set screws

Pole base door See Note 7

POLE CLAMP

(See Note 3)