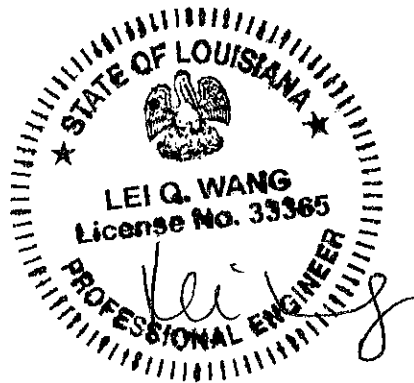


**Louisiana
Department of Transportation
and
Development**

**Traffic Control Standard
Number 23**

PEDESTAL ASSEMBLY



8/31/2022

August 31st, 2022

PEDESTAL ASSEMBLY

GENERAL

This specification sets forth the requirements for a Pedestal Assembly consisting of a base and pole. The assembly will be used to mount various traffic devices such as traffic signals, pedestrian signal heads, flashing beacons, and safety disconnects.

PRODUCT ID 53800 – Pedestal Base

PRODUCT ID 53801 – 7 Foot Pole and Slip Fitter with Tri-stud

PRODUCT ID 53802 – 15 Foot Pole and Slip Fitter with Tri-stud

REQUIREMENTS

Pedestal Base

The square pedestal base shall be constructed of cast aluminum and measure 14 - 16 inches tall from the base to the top of the collar and 13½ - 14 inches wide at its widest point. The base shall have a service opening, cut into the side of the base, which measures a minimum of 8½ x 8½ inches. The opening shall be sealed off by a removable cast aluminum access door. The door must be held in place by way of a 304 stainless steel socket button head cap screw or a hex bolt.

The base must have one (1) grounding lug capable of accepting a minimum 6 gauge bare copper wire. Grounding lug shall be installed inside of the base.

The collar, located at the top of the base, shall have an inside diameter measurement of 4 inches (4½ inch O.D.) with 1¾ - 2 inches of NPT (National Pipe Taper) threading to accommodate a 4½ O.D. pole.

The base shall have a 12¾ inch, four (4) slot, bolt circle flush mounted to the bottom. Slots must accommodate ¾ inch concrete anchor bolts.

See **Figures 1 & 2** for additional pedestal base details and information.

Pedestal Pole

Poles shall be constructed of schedule 40 aluminum pipe with a 4½ inch O.D. (4 inch I.D.) and measure either 7 feet or 15 feet in length as indicated by the Product ID.

One end of the pole shall be threaded, 1¾ - 2 inches, at 8 TPI-NPT (Threads per Inch – National Pipe Taper) to engage and properly seal with the collar threading of the base.

A slip fitter with a one-way tri-stud shall be installed on the non-threaded end of the pole and come complete with a minimum of three (3) 1 inch long set screws. See **Figure 3** for additional details and information on the tri-stud portion of the slip fitter.

FINISH

All items, excluding hardware, shall be finished with a thick black powder coating or with two (2) coats of high grade black enamel. Each coat shall be independently baked to resist peeling and chipping.

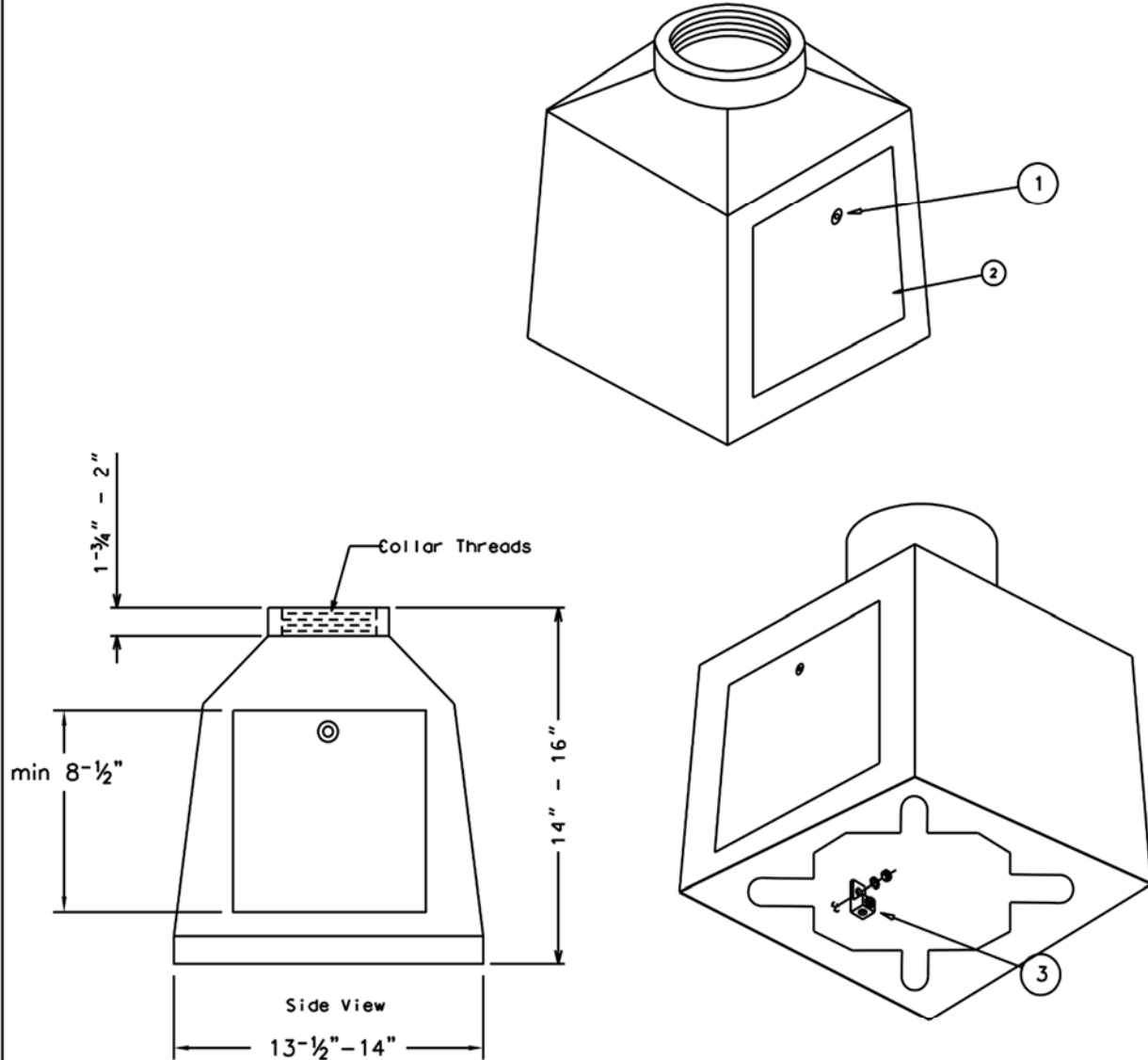
All pieces shall be free from blowholes, cracks, shrinks and other injurious defects. Runners, risers, fins, cast-on pieces and all sharp edges shall be removed.

PACKAGING

The base shall be delivered fully assembled. Each unit must be packaged individually in a manner that prevents damage during shipment. Bulk packaging will not be accepted.

Poles shall be packaged individually either wrapped in cardboard or boxed. The slip fitter is to be installed prior to shipment. Each end of the pole must be wrapped/covered to protect the threading and slip fitter. Poles should be stretch wrapped to a pallet or crated for delivery.

FIGURE 1: PEDESTAL BASE



ITEM	DESCRIPTION
1	Socket Button Head Cap Screw or Hex Bolt
2	Removable Door
3	Grounding Lug

FIGURE 2: PEDESTAL BASE

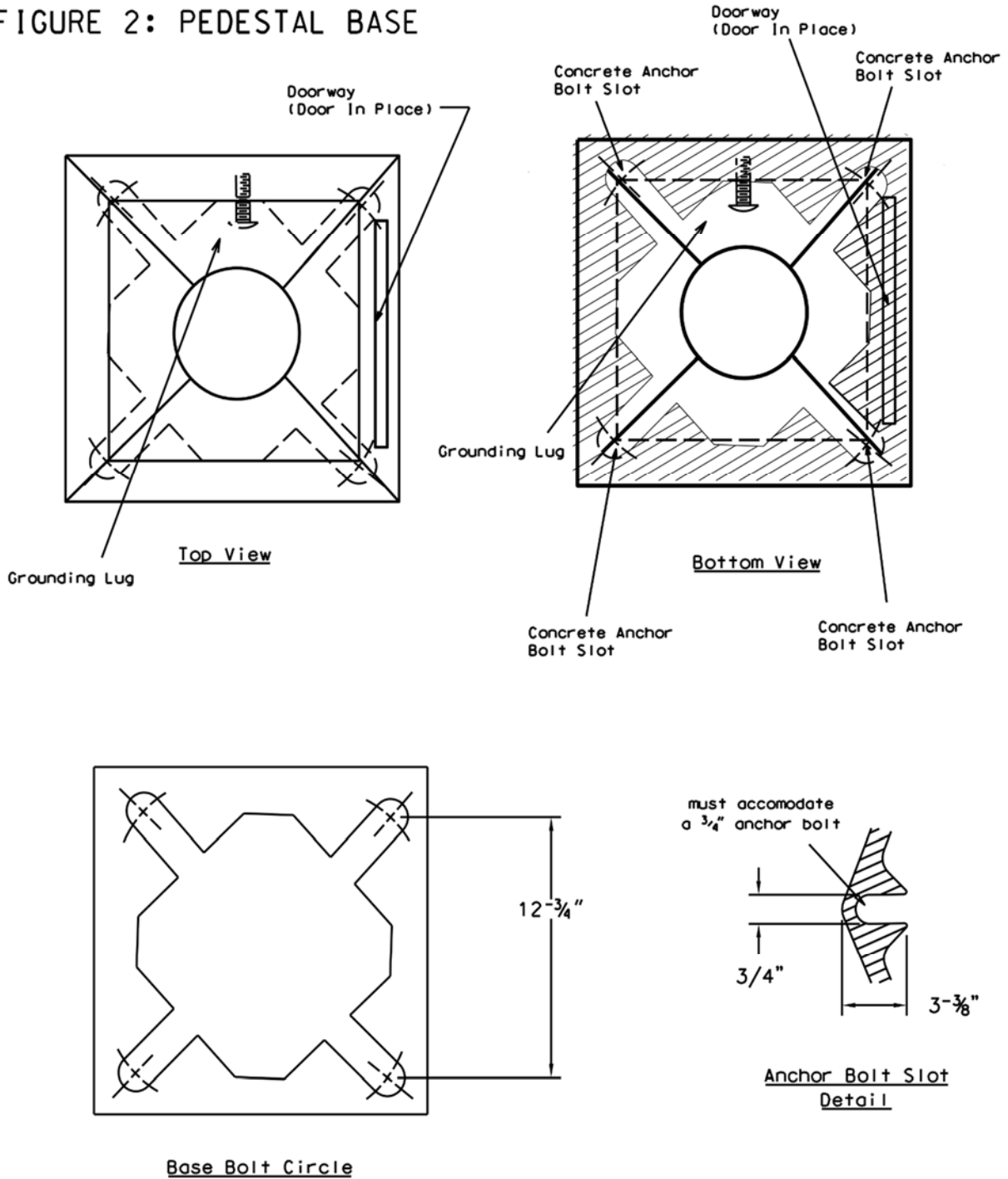
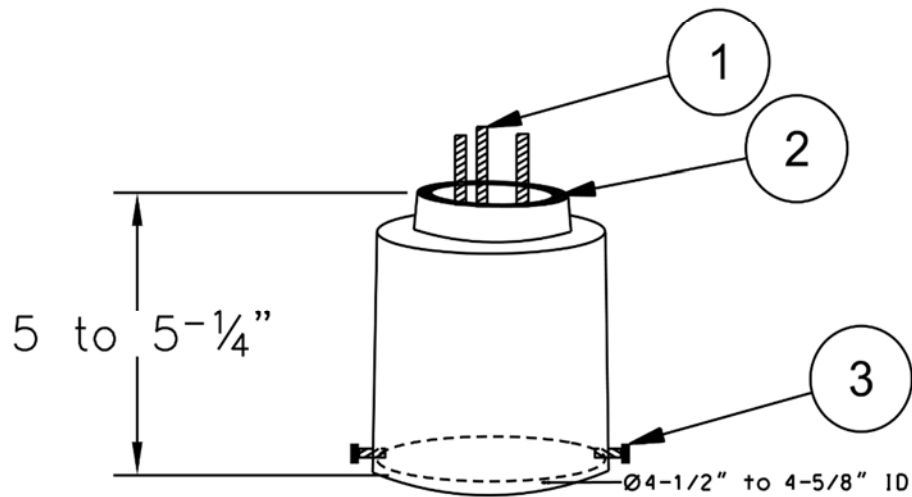


FIGURE 3: SLIP FITTER WITH TRI-STUD



	DESCRIPTION
1	One-Way Tri-Stud with Three (3) 1/4" Diameter Adapter Bolts, Nuts and Plate for Slip Fitter
2	Serrated Edge
3	Square Head, Hex Head, or Hex Socket Set Screw