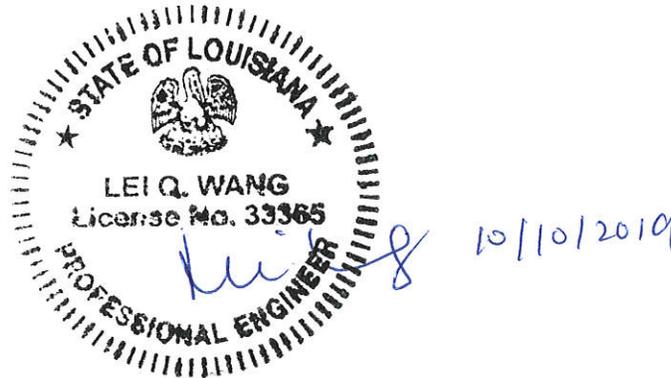


Louisiana  
Department of Transportation  
And  
Development

Traffic Control Standard  
Number 23

Pedestal Base, Pole & Mounting



Revised October 10, 2019

## **PEDESTAL BASE AND POLE:**

The pedestal base and pole is for supporting a traffic signal.

### **Pedestal Base (Product ID # 11057)**

The pedestal base shall come complete with the following:

- Capscrew (1)
- Removable door (1)
- 
- Grounding lug connection:
  - Grounding lug (1)
  - Slotted screw (1)
  - Split lock washer (1)
  - Nylon lock nut (1)
- Anchor Bolt Assembly
  - Anchor bolt (4)
  - Hex heavy nut (8)
  - Split lock washer (4)
  - Square Washer (4)
  - Flat Washer (4)

The pedestal base shall be constructed of cast aluminum in accordance with ASTM B179 319.1, 319.2 or ASTM B26 356-T6. The pedestal base shall be provided in accordance with **Figures 1 & 2**. The top shall be threaded for a 4 inch I.D. (4.5 inch O.D.), 8TPI-NPS (Threads per Inch, National Pipe Straight). The base threads shall be a minimum of 1-3/4 inches in depth. Height shall be 14 to 16 inches. The base shall have octagonal sides and a door shall be provided with a single opening on two (2) adjacent sides.

The anchor bolt slots shall be on a 12-3/4" bolt circle of four (4) bolts. The anchor bolts slots shall be flush on the bottom of the pedestal base. The anchor bolt slot shall accommodate a 3/4" anchor bolt.

The anchor bolt assembly shall be provided with the pedestal base in accordance with **Figure 3**. The bolts, nuts, and washers included in the anchor bolt assembly shall be hot dipped galvanized.

### **7 Foot Pole (Product ID# 11058)**

### **15 Foot Pole (Product ID# 50810)**

The pole shall be 4 inch I.D. (4.5 inch O.D.) aluminum schedule 40 pipe. The pole shall be threaded on one end 8TPI-NPS to fit the base referenced above.

## **PEDESTAL MOUNTING:**

### **Elbow Adapter with Tri-stud (Product ID# 10951) (Figure 4):**

Elbow Adapter with Tri-stud, 1 ½” Male Pipe Thread. Complete assembly 14” – 16” in length.

Elbow body and/or wiring door are acceptable (see Figure 4)

**Elbow (Product ID# 10971) (Figure 5):**

Elbow 1 ½”

**Cast Nipple (Product ID# 10972) (Figure 6):**

Cast Nipple 1 ½” Hex Head

**Pole Plate (Product ID# 10985) (Figure 7):**

Pole Plate, Straight, with 1 ½” Bracket Hub and 1 ¼” Entrance Hub

**Pole Plate (Product ID# 10986) (Figure 8):**

Pole Plate, Straight, with 1 ½” Hub

**Slip Fitter (Product ID# 10987) (Figure 9):**

Slip Fitter, 4” Pipe with Tri-stud One Way Top

**Slip Fitter (Product ID# 10988) (Figure 10):**

Slip Fitter, 4” Pipe with Two Way, 1 ½” Hubs and 1 ½” Center Hole Serrated

**Slip Fitter (Product ID# 10989) (Figure 11):**

Slip Fitter, 4” Pipe Four Way with 1 ½” Hub

**Conduit (Product ID# 10990) (Figure 12):**

Conduit Tee, 1 ½”

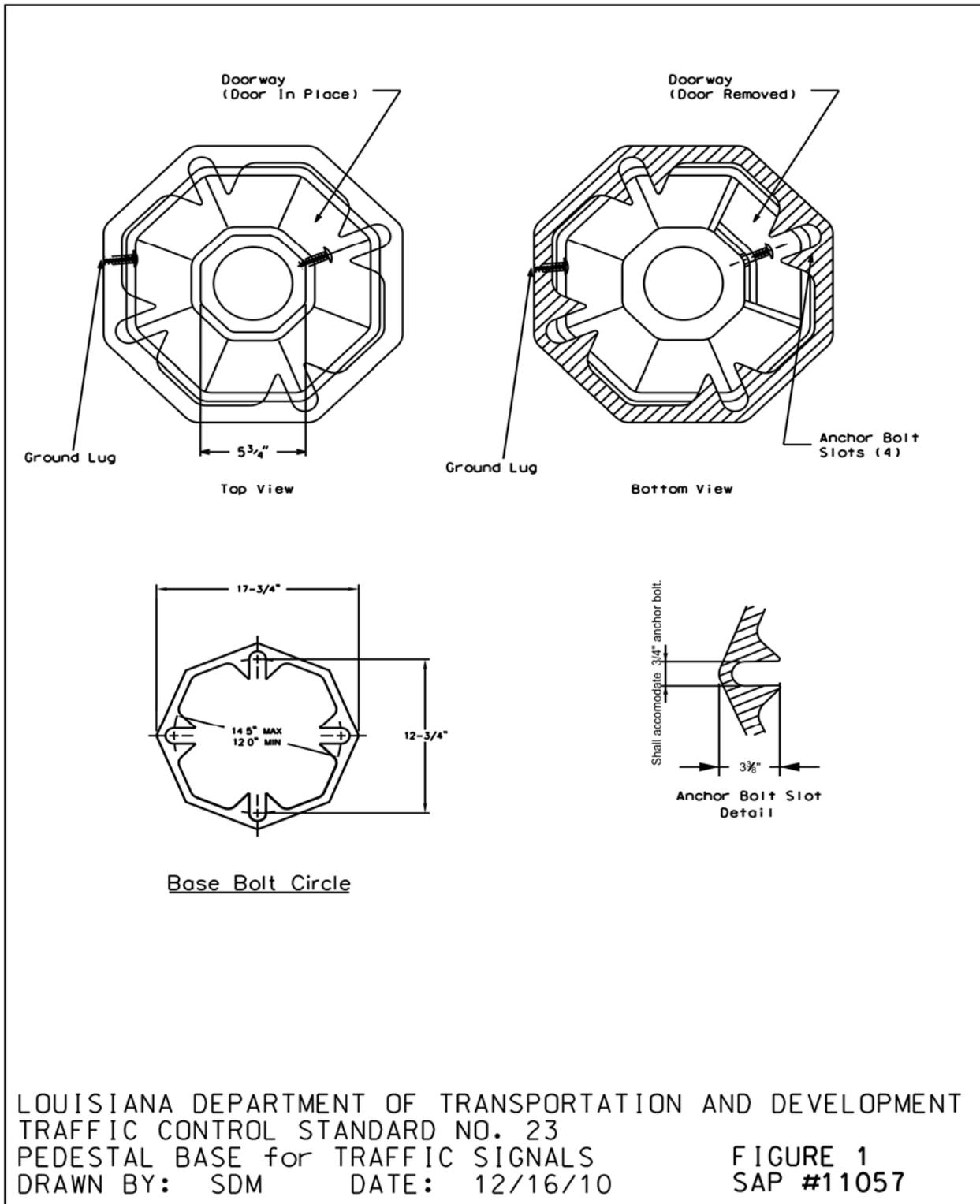
Supporting brackets, trunnions and fittings may be made of cast aluminum, steel or cast iron. All parts made of ferrous materials shall be treated to resist corrosion.

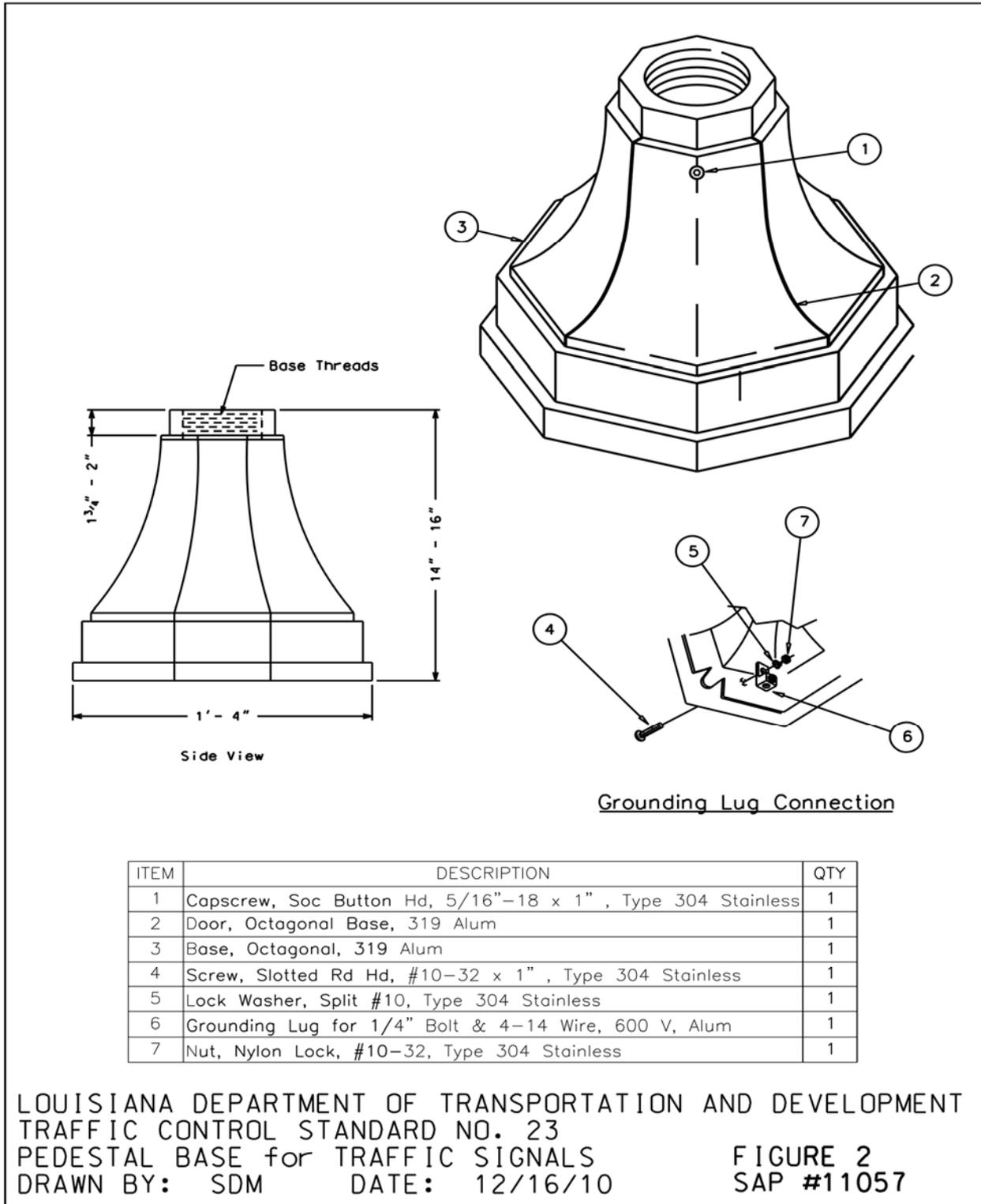
**FINISH:**

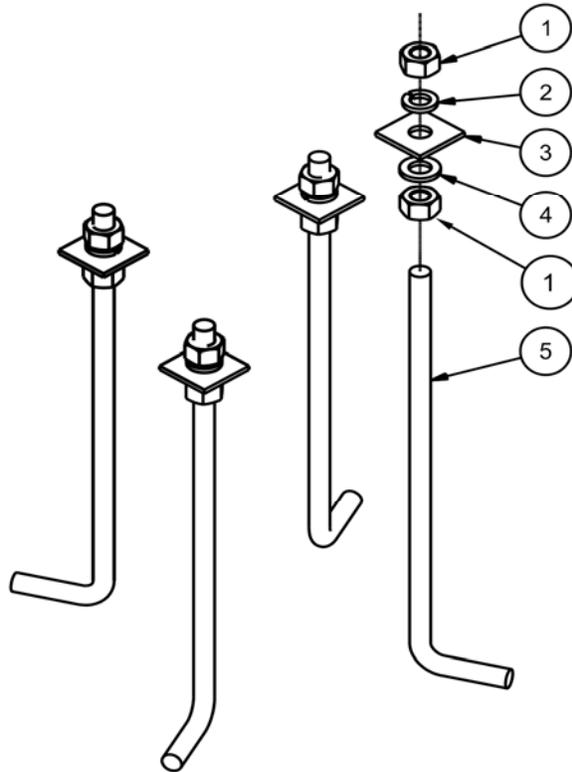
The finish, for all items, excluding hardware (as stated in Figure 2 and Figure 3), shall be free from blowholes, cracks, shrinks and other injurious defects. Runners, risers, fins, and cast-on pieces and all sharp edges shall be removed. All equipment shall be finished with a thick black powder coating or with two (2) coats of high grade black enamel. Each coat shall be independently baked to resist peeling and chipping.

**PACKAGING:**

Each item, except for the poles, shall be assembled (as applicable) and boxed individually. Poles may be boxed with one (1) to four (4) poles per box. Pole boxes should be stretch wrapped together on a pallet or crated. Each box shall be clearly labeled with the company name and/or brand name, model number, and DOTD’s Purchase Order number.





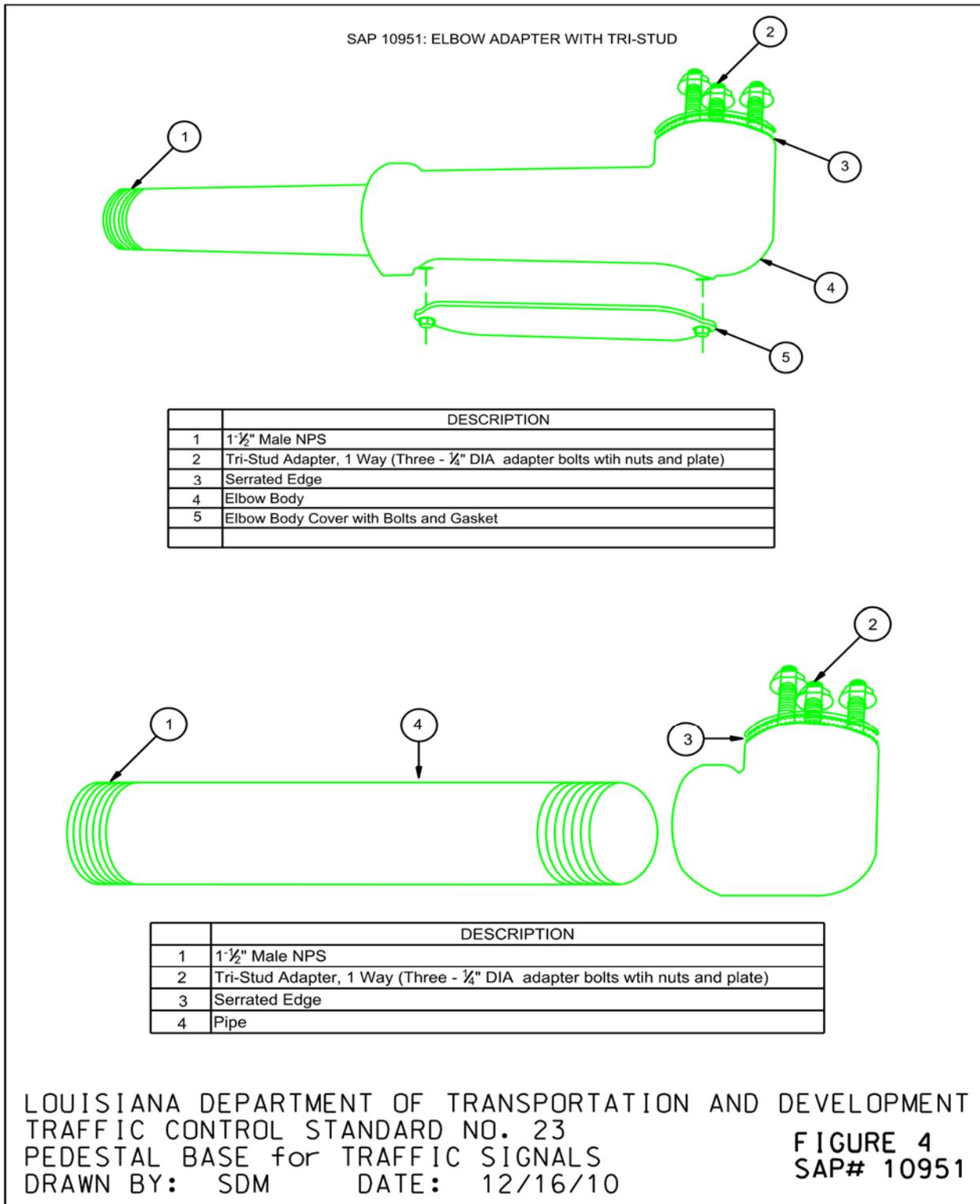


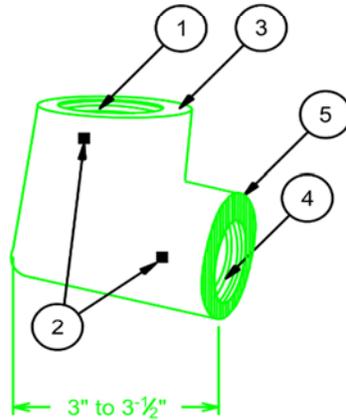
Anchor Bolt Assembly

ITEM	DESCRIPTION	QTY
1	Nut, Hex Heavy 3/4"-10 Waxed w/o Blue Dye DH Grade Hot Dipped Galvanized	8
2	Lock Washer, Split, 3/4" Hot Dipped Galvanized	4
3	Washer, Square, 2 1/4" x 2 1/4" x 3/16" Hot Dipped Galvanized	4
4	Washer, Flat, USS 3/4", Hot Dipped Galvanized	4
5	Bolt, Anchor, 3/4" 10NC x 18" x 3" x 3-1/4" Thread Hot Dip Galvanized	4

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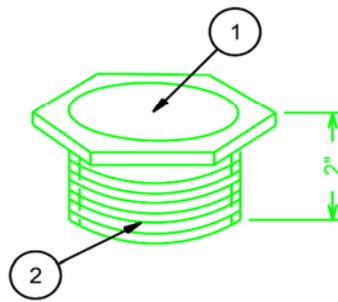
FIGURE 3  
 SAP #11057





SAP# 10971· ELBOW 1-½"

	DESCRIPTION
1	Hole 1-½" Female NPS Smooth Outside
2	Set Screw Square Head
3	Smooth Outside
4	Hole 1-½" Female NPS Serrated Outside
5	Serrated Outside

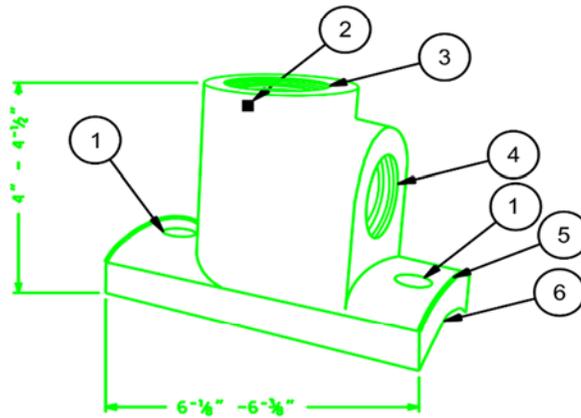


SAP# 10972· CAST NIPPLE 1½", HEX HEAD

	DESCRIPTION
1	Hole 1⅜" Non Threaded
2	1½" Male NPS

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FIGURE 6  
 SAP# 10972



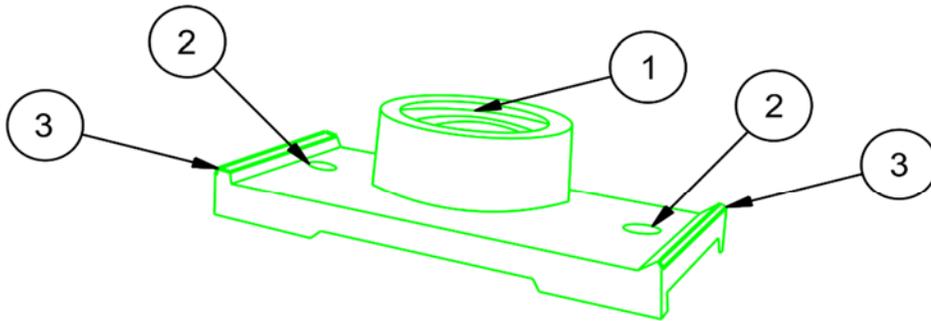
SAP# 10985; POLE PLATE, STRAIGHT, WIHT 1-1/2" BRACKET HUB AND 1-1/4" ENTRANCE HUB

	DESCRIPTION
1	Hole, 1/2", Non Threaded
2	Set Screw, Square Head
3	Hole, 1-1/2", Female NPS
4	Hole, 1-1/4", Female NPS
5	Raised Edge for Banding
6	Curved

Need green paint requirement?

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FIGURE 7  
 SAP# 10985

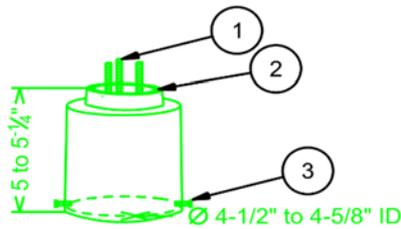


SAP# 10986 POLE PLATE, WITH 1½" NPS THREAD HUB

	DESCRIPTION
1	Hole 1½" Female NPS
2	⅜" Non Threaded Holes
3	Raised Edge for Banding

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FIGURE 8  
 SAP# 10986

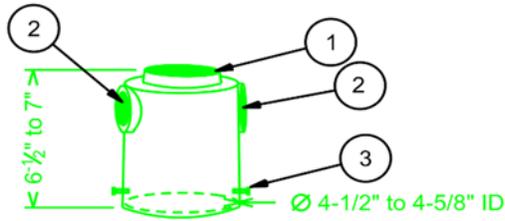


SAP# 10987; SLIP FITTER, 4" PIPE WITH TRI-STUD ONE WAY TOP

	DESCRIPTION
1	Tri-Stud Adapter, 1 Way (Three - 1/4" DIA adapter bolts with nuts and plate)
2	Serrated Edge
3	Set Screw Square Head, 1" Long (Minimum 3 around perimeter)

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FIGURE 9  
 SAP# 10987

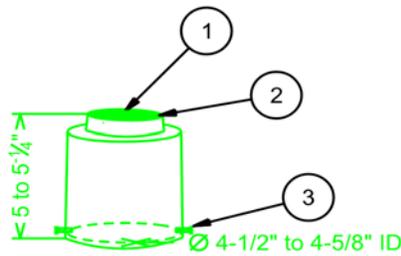


SAP# 10988; SLIP FITTER 4" PIPE WITH TWO WAY 1-1/2" HUBS AND 1-1/2" CENTER HOLE SERRATED

	DESCRIPTION
1	Hole 1-1/2" Female NPS with Serrations on top
2	Holes, Two 1-1/2" Female NPS Hubs (180 Degrees Apart)
3	Set Screw Square Head, 1" Long (Minimum 3 around perimeter)

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FIGURE 10  
 SAP# 10988

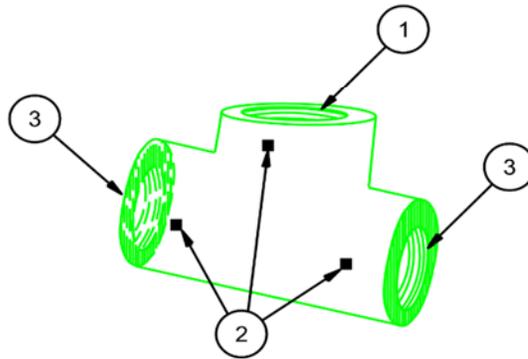


SAP# 10989· SLIP FITTER, 4" PIPE WITH 1-½" HUB

	DESCRIPTION
1	Hole 1-½" Female NPS Hub
2	Serrated Top Edge
3	Set Screw Square Head, 1" Long (Minimum 3 around perimeter)

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FIGURE 11  
 SAP# 10989



SAP# 10990 CONDUIT TEE 1-1/2" NPS HOLES

	DESCRIPTION
1	Hole 1-1/2" Female NPS Smooth Outside Edge
2	Set Screw Square Head
3	Hole 1-1/2" Female NPS Serrated Outside Edge

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FIGURE 12  
 SAP# 10990