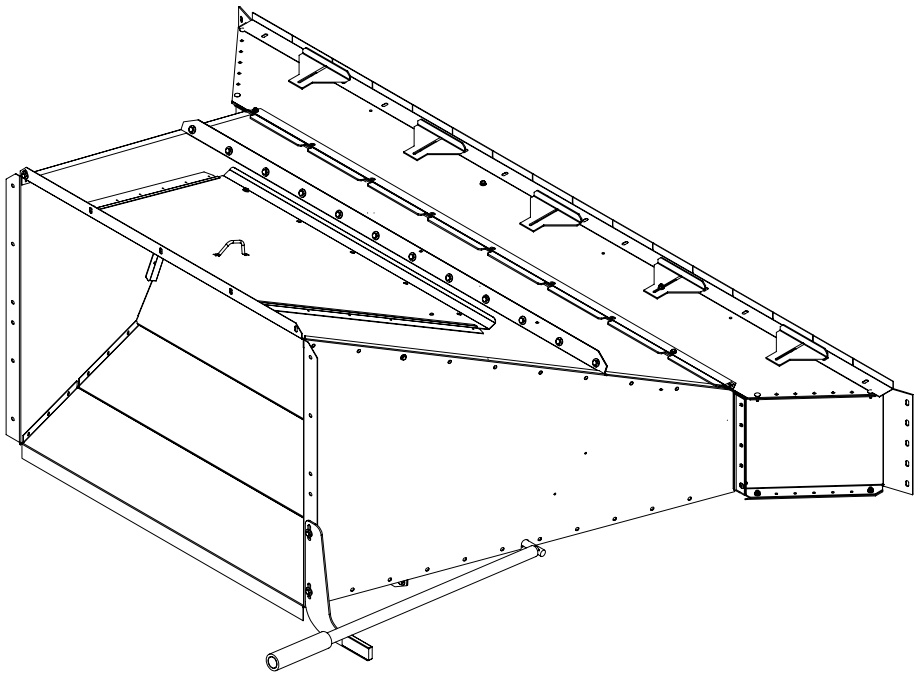
SHIVVERS

INSTALLATION INSTRUCTIONS

FOR

DUAL INLET C-FAN
13" ENTRANCE COLLAR, 692C-001A
&
13" TRANSITION, 692E-001A



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P-12567
1/16/2012

Parts List-Transition	
PART NUMBER	DESCRIPTION
692-030P	Transition Bottom (Large Section) 13"
692-031P	Transition Bottom, Narrow Section, 13"
692-042P	Transition Side, LH (13")
692-041P	Transition Side, RH (13")
692-040P	Transition Top (Upper Section) 13"
692-043P	Transition Top (Lower Section) 13"
F-1009-01	1/4" Flat Washer
F-1019-01	1/4" LockWasher
F-1858	1/4-20 "U"-Nut
565-022P	Transition Lid
565-027P	Transition Flange
H-2252	Handle
565-030P	Damper Flange
565-038P	Counterweight
565-033P	Damper Counter Weight
F-1007-22	5/16-18 X 3/8" SETSCREW
692-049W	Damper Door Weldment, 13"
F-1015-15	5/16-18 x 1" Capscrew
F-1009-02	5/16" Flat Washer
F-1011-02	5/16-18 Nut
F-1019-02	5/16" LockWasher
F-1015-03	1/4-20 x 3/4" Capscrew
692-054P	Counterweight Stop
H-2324	Grip
692-053P	Mounting Strip

Parts List For Entrance Collar	
PART NUMBER	DESCRIPTION
692-025P	Entrance Collar, Top & Bottom, 13"
692-038P	Side Plate, Entrance Collar
F-1823	Carriage Bolt, 1/4 X 3/4"
F-1011-01	1/4-20 Plain Nut
F-1009-01	1/4" Flat Washer
74-013P	Entrance Collar Clamp
F-1858	1/4-20 "U"-Nut
F-1015-03	1/4 x 3/4" Capscrew
692-045P	Entrance Collar Fitting Band
692-039P	Entrance Collar Support: 12 7/8"
F-1019-01	1/4" LockWasher
F-1015-02	1/4-20 x 5/8" Capscrew

INSTALLATION

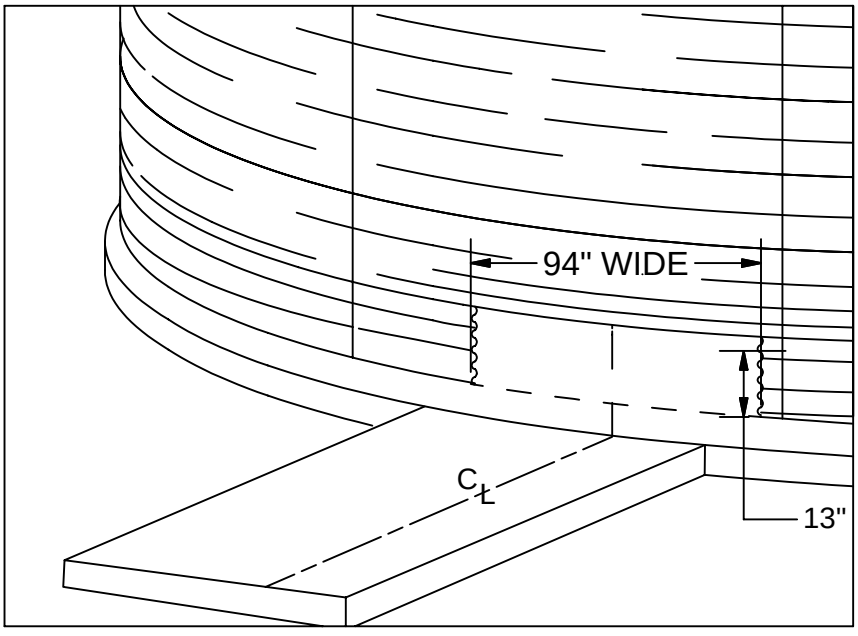
⚠ CAUTION

METAL EDGES ARE SHARP AND CAN CAUSE INJURY. USE PROTECTIVE CLOTHING WHEN HANDLING AND WORKING AROUND THIS EQUIPMENT.

The 13" Entrance Collar, 692C-001A and 13" Transition 692E-001A allow the heated air from the fan and burner to enter the chamber beneath the perforated floor (plenum). With balanced temperatures in the plenum, efficient and quality grain drying will occur. This Entrance Collar and Transition are designed to give an optimum temperature gradient in the plenum and eliminate severe hot and cold spots.

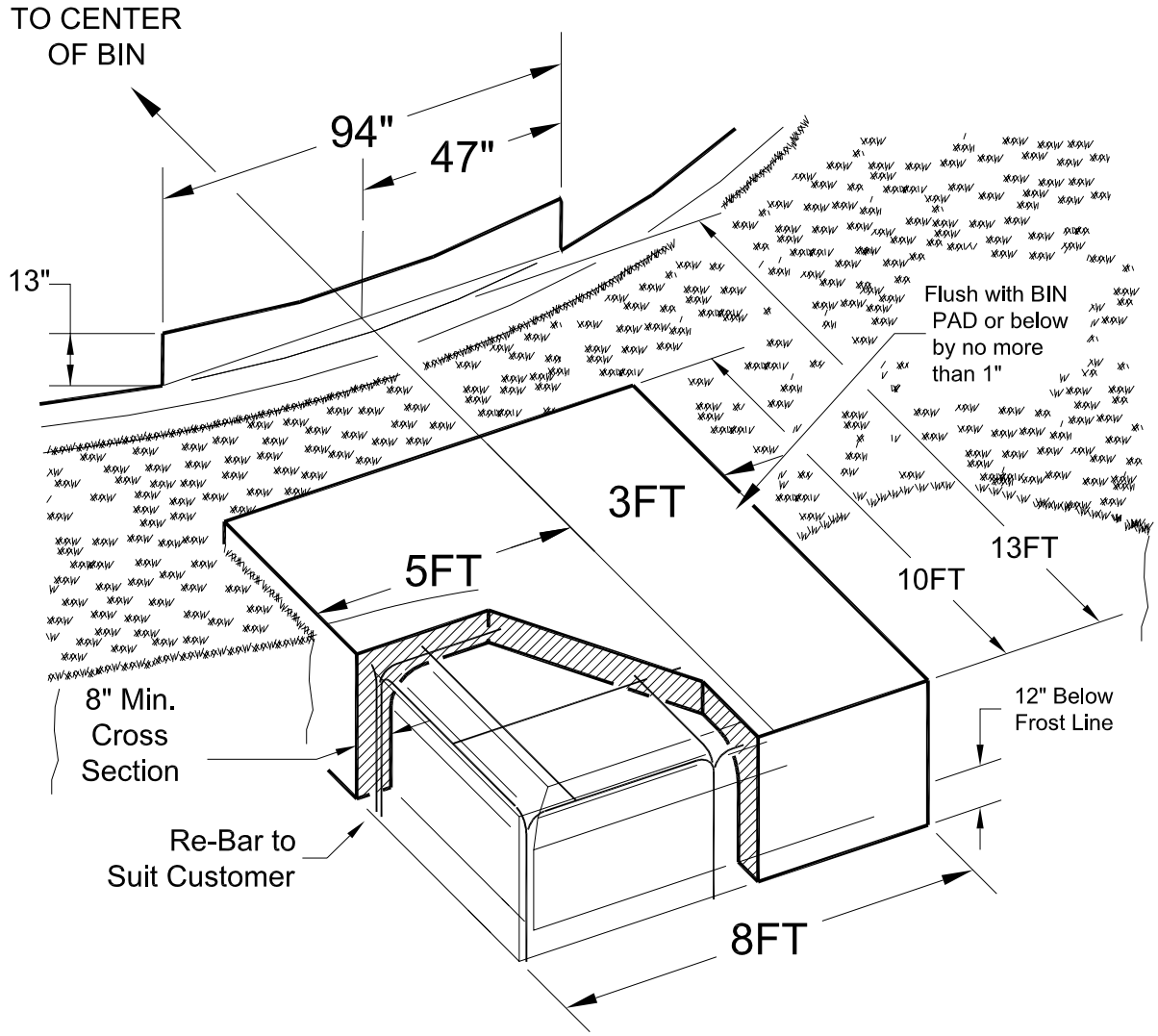
ENTRANCE COLLAR

See Installation Instructions on pages 4-7 for recommended fan/burner positioning and layouts for single and multiple fans on following pages.



Cut a hole in the side of the bin offset over the fan/burner position approximately 13" x 94" wide.
See Page 4 for Offset dimensions.

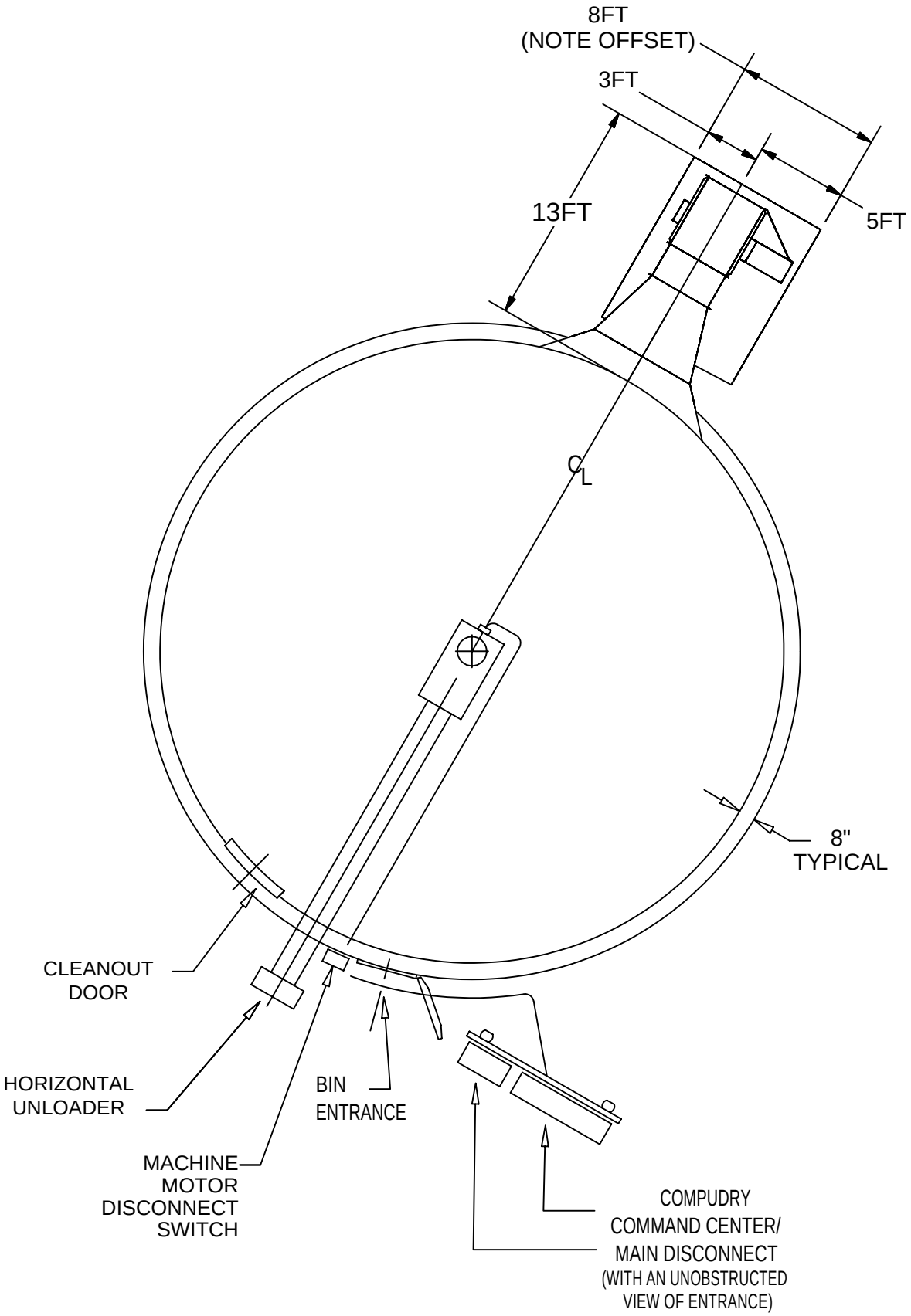
SHIVVERS DUAL INLET
CFAN/HEATER PAD LAYOUT



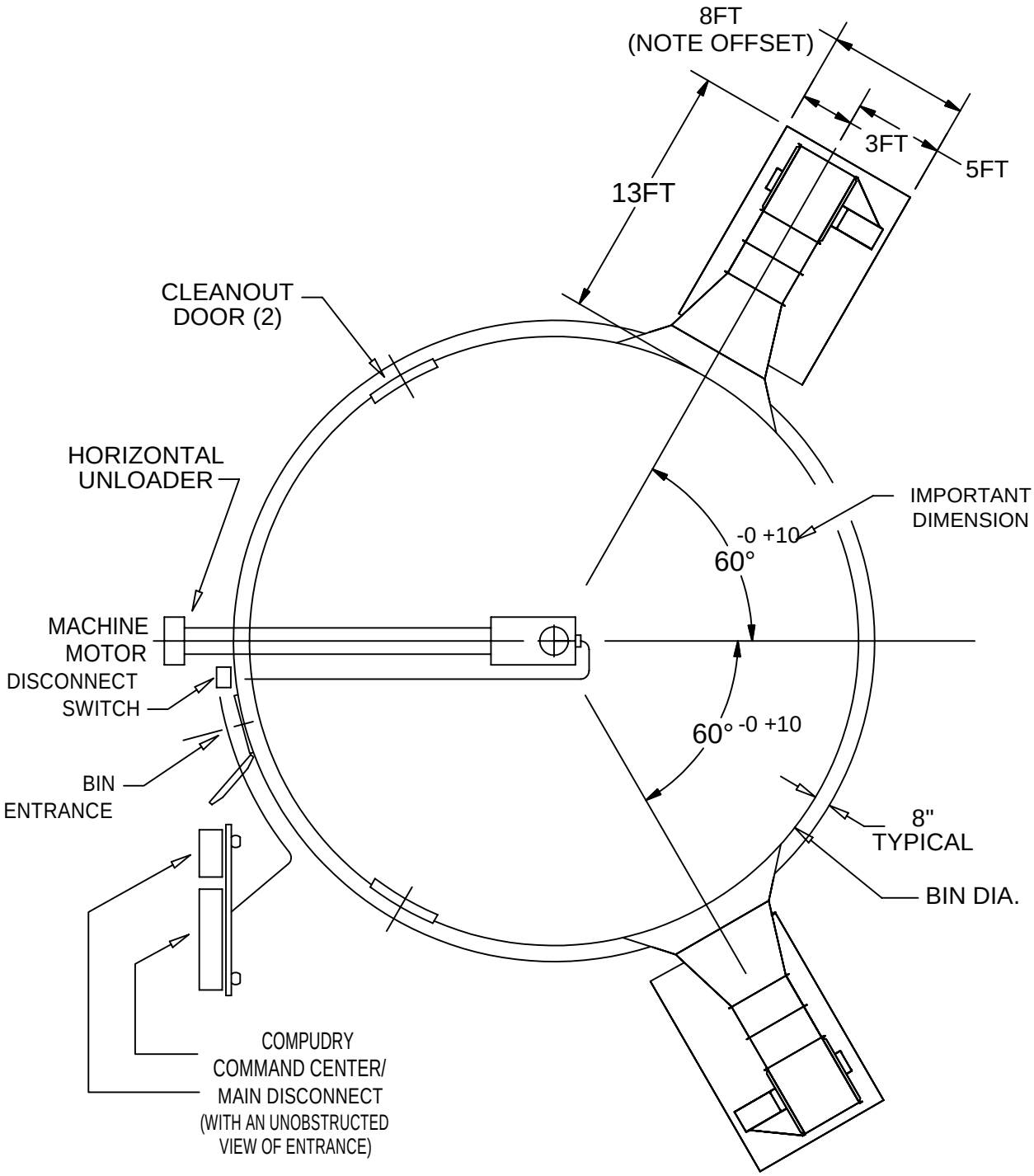
Note: The above drawing is what we suggest as a Foundation for your new Shivvers Dual Inlet Centrifugal Fan and Heater combination. We also suggest the foundation(s) of the Fan/Heater(s) be tied to the Bin Foundation, with all the foundations extending below the Frost Line.

We leave details about the configuration of the foundations up to the discretion of the Customer and/or his Dealer. Every effort needs to be made to minimize Shifting, Eroding, and Cracks.

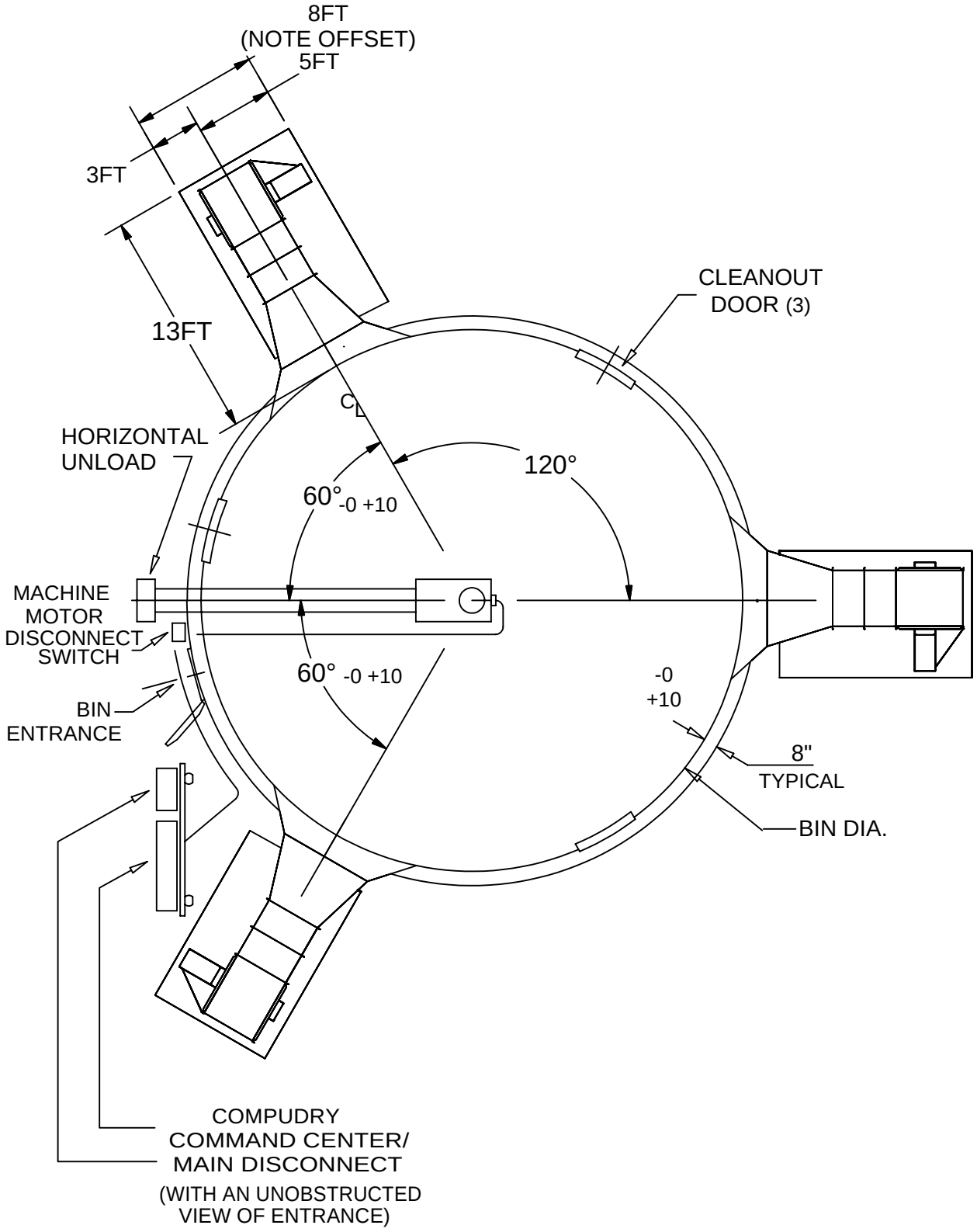
MECHANICAL INSTALLATION
Shivvers Circulator 1-Fan Layout



MECHANICAL INSTALLATION
Shivvers Circulator 2-Fan Layout
(twin sweep)

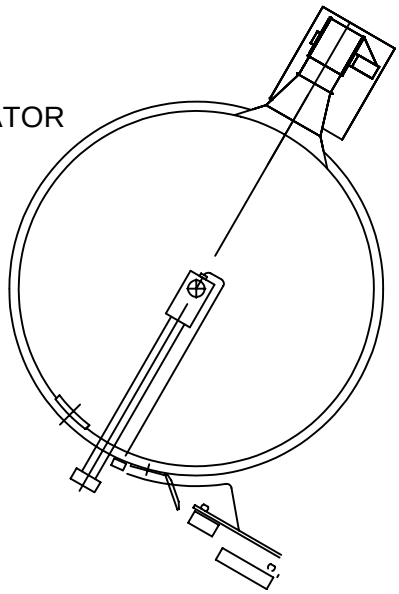


MECHANICAL INSTALLATION
Shivvers Circulator 3-Fan Layout
(Twin Sweep)

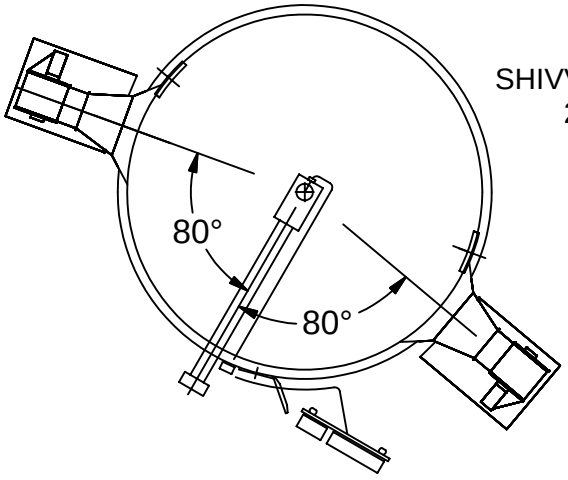


MECHANICAL INSTALLATION
Recommended Fan Lay-outs for 3-Sweeps Systems
(For New Installations)

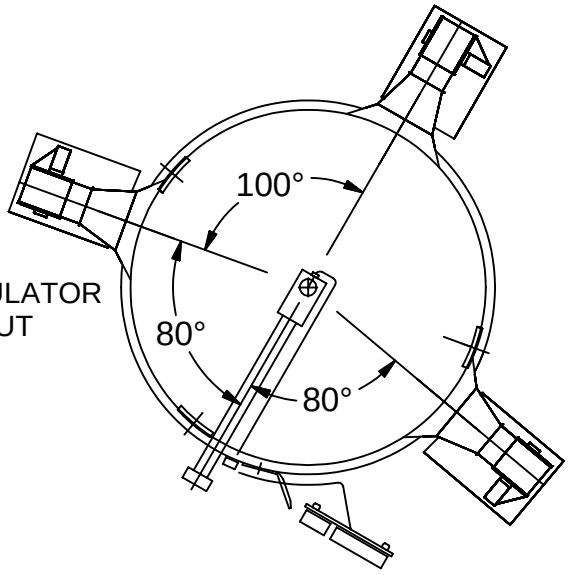
SHIVVERS CIRCULATOR
1-FAN LAYOUT



SHIVVERS CIRCULATOR
2-FAN LAYOUT



SHIVVERS CIRCULATOR
3-FAN LAYOUT

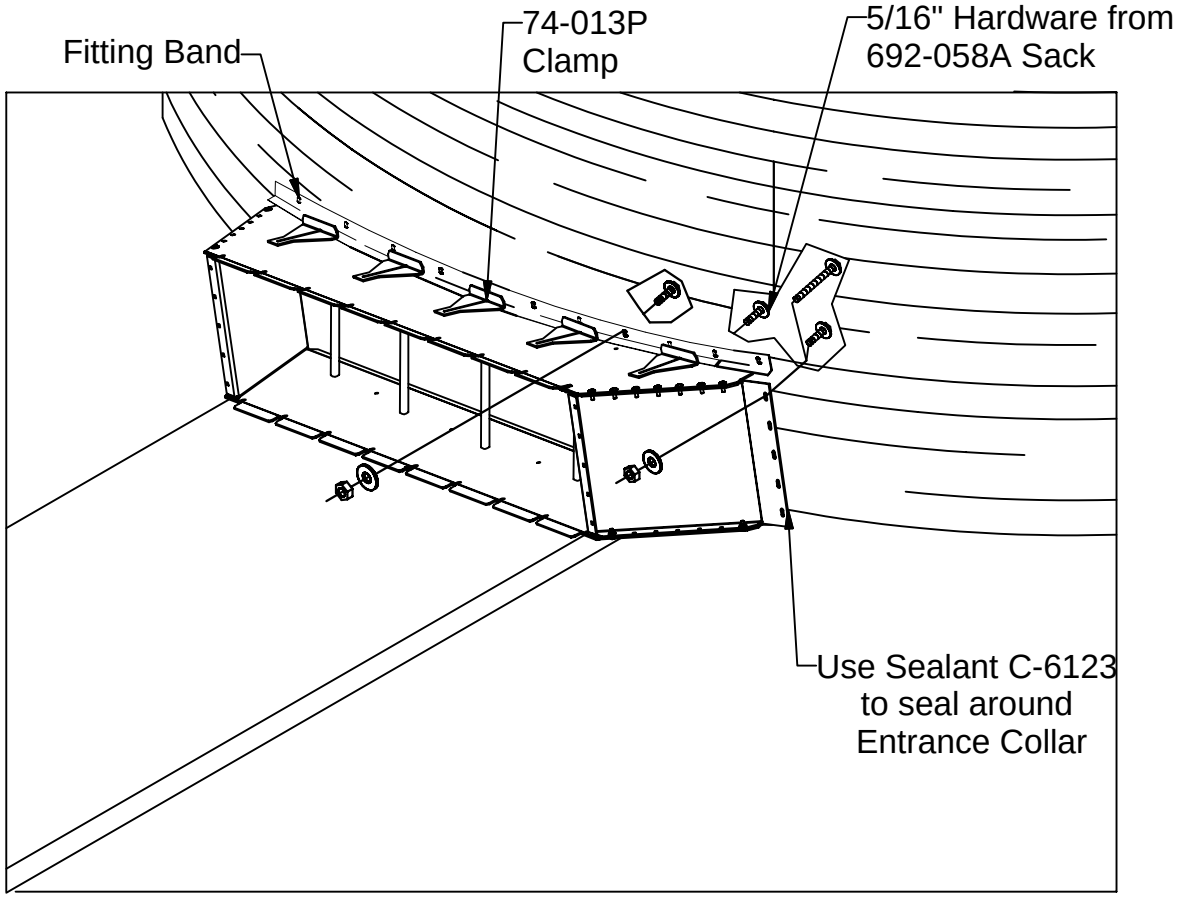


From the Transition Parts Sack, 692-055A, find the 692-058A, Bin-Ent Hardware Sack. This will contain all the hardware necessary to secure the Entrance Collar to the Bin.

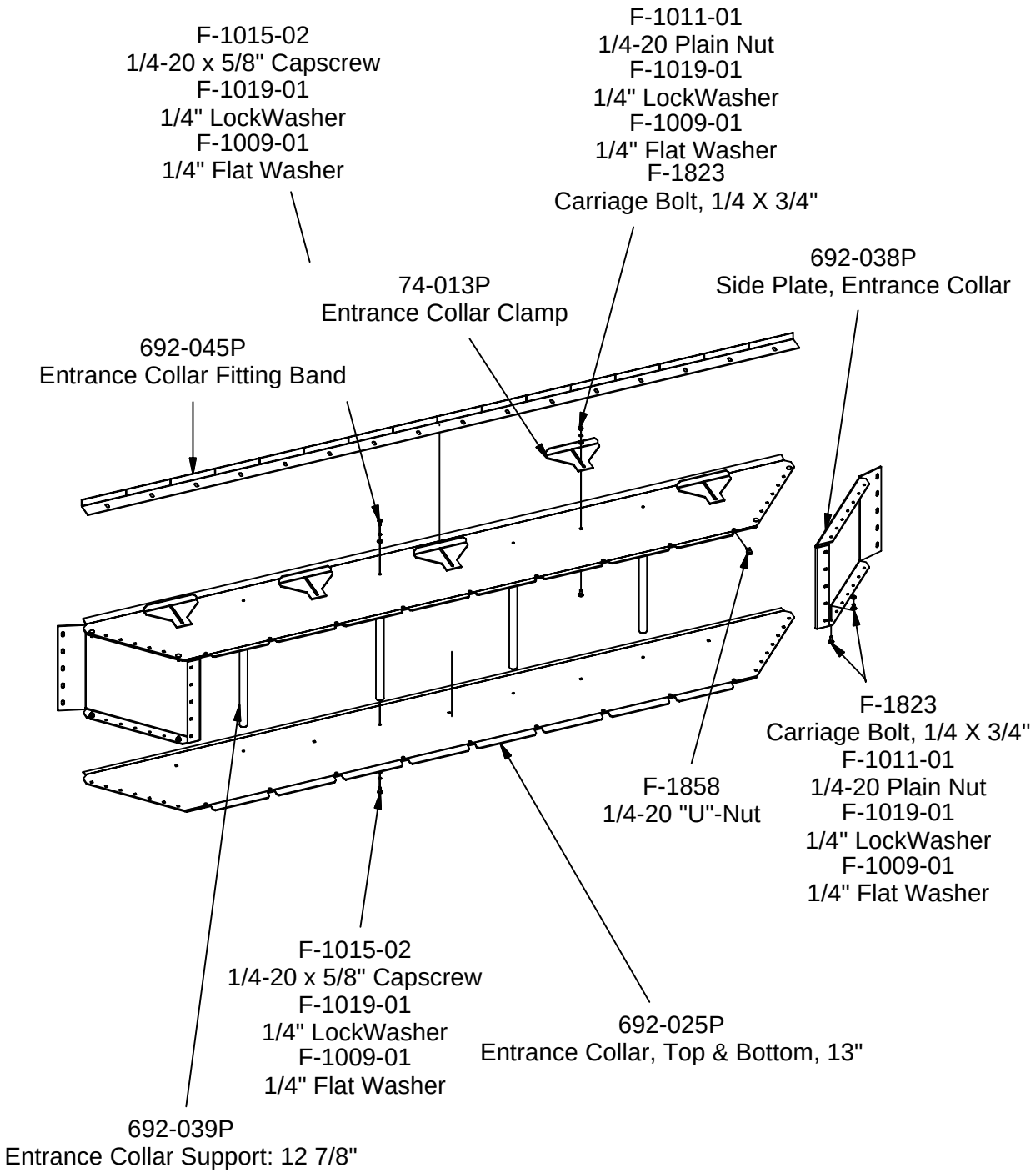
Position the Entrance Collar in the cut opening. Mark the 5/16" holes on the side of the Entrance Collar in the side of the Bin and drill. Use the 5/16 x 1" bin bolts, washers, and nuts to secure the Collar. (Longer 2 1/2" bolts are also provided if necessary).

NOTE: Use the Silicone Sealant (C-6123) provided to seal completely around the Collar before Tightening the bolts.

Loosen the nuts that hold the Clamps from the Top of the Entrance Collar. Slide the Clamps back and remove the Fitting Band.
Form the Fitting Band to the outside curvature of the Bin. Place it on the top of the Entrance Collar so that it seals the crack between the Bin and Collar. Cut off any excess length of the Fitting Band. Mark and drill through the Bin wall 5/16" holes to mount the Band. Use the sealant to seal any air gaps. Slide the Clamps on the top of the Entrance Collar up against the Fitting Band and tighten the nuts to secure the Band in place.

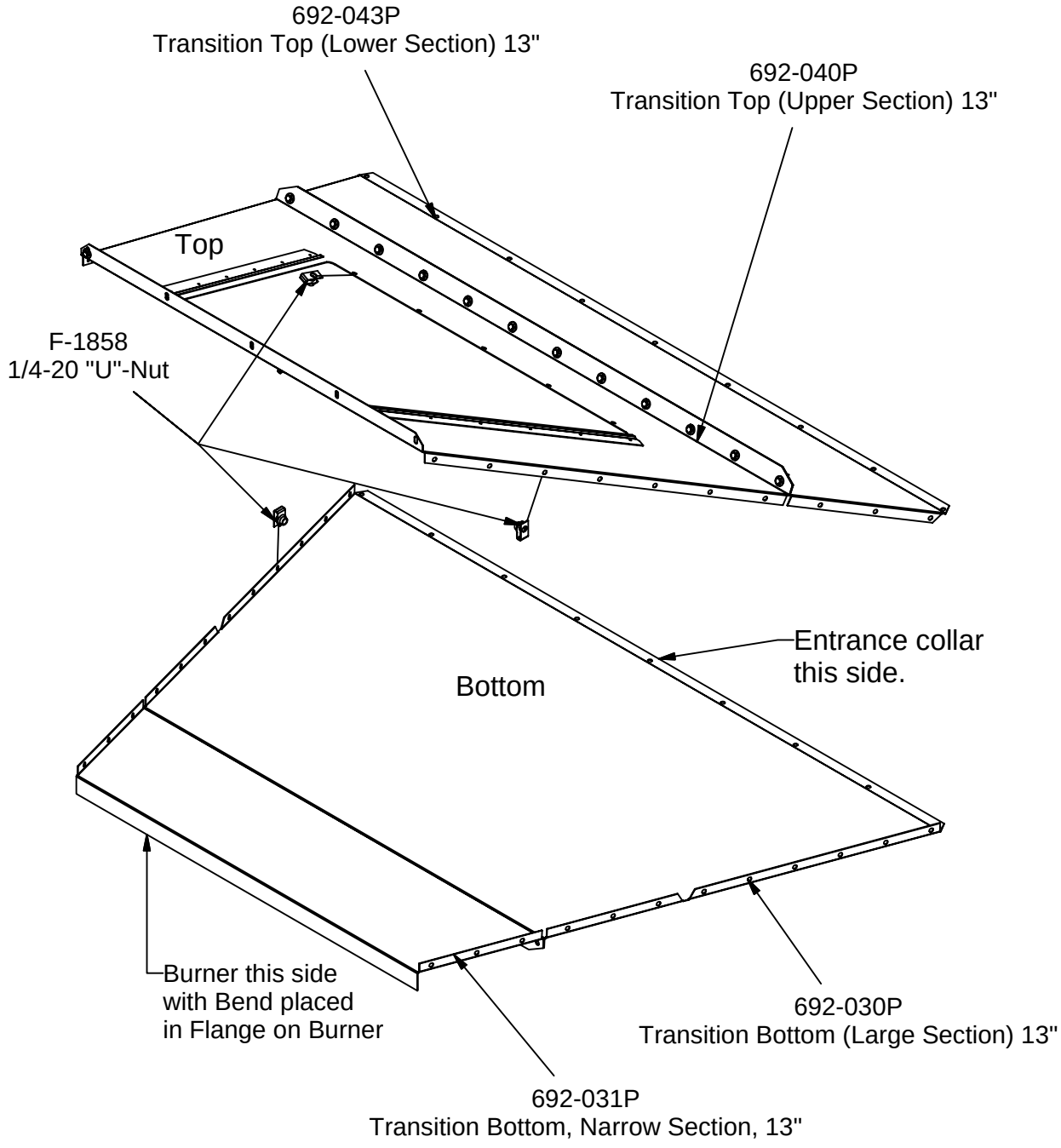


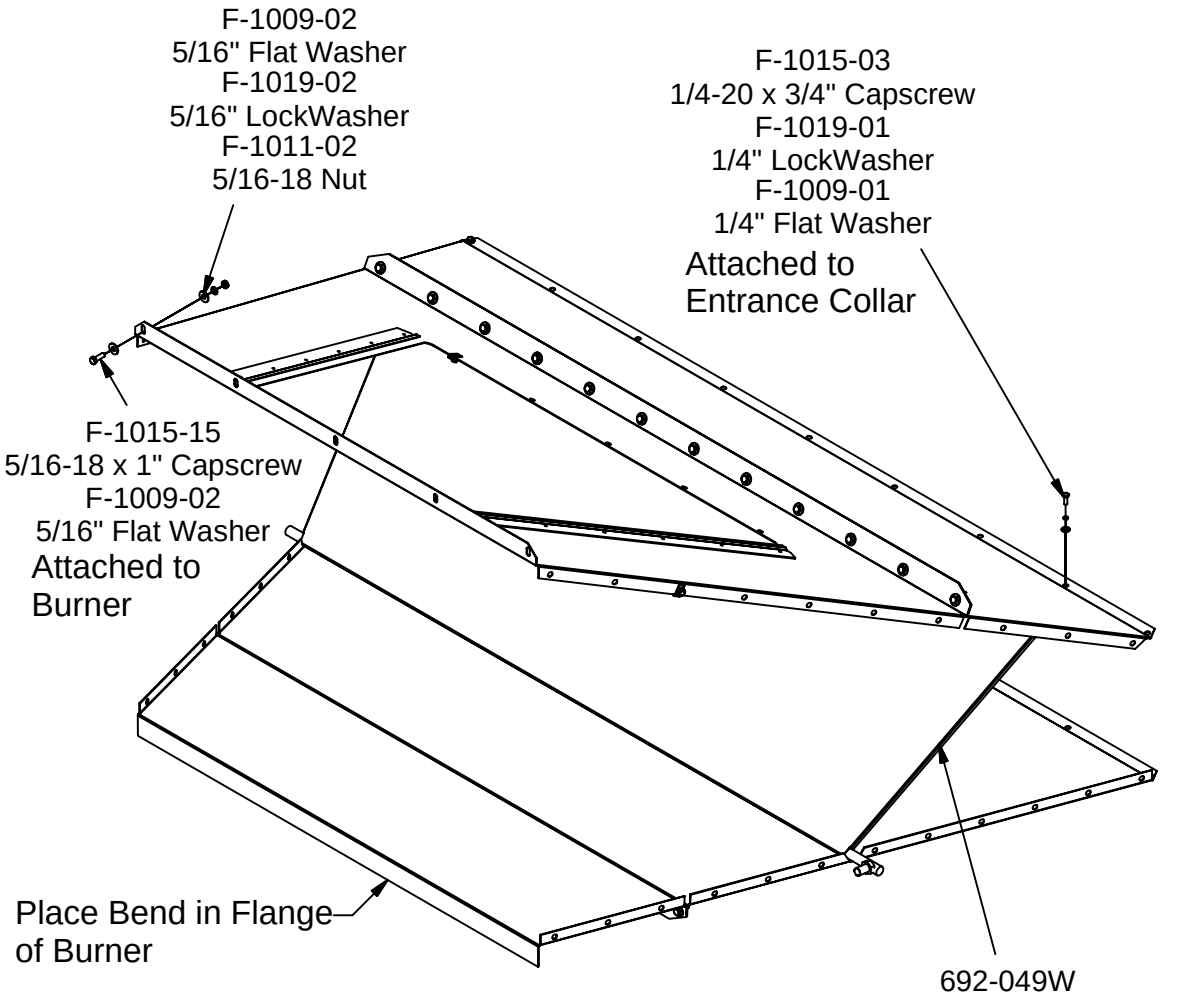
ENTRANCE COLLAR



TRANSITION

1. Place 1/4" U-Nuts from parts sack, 692-056A in each small hole on sides of top transition and bottom transition with flat to outside. Also place 1/4" U-Nuts in each hole at wide end of lid opening with flat to outside.





Hardware from Sack 692-057A.

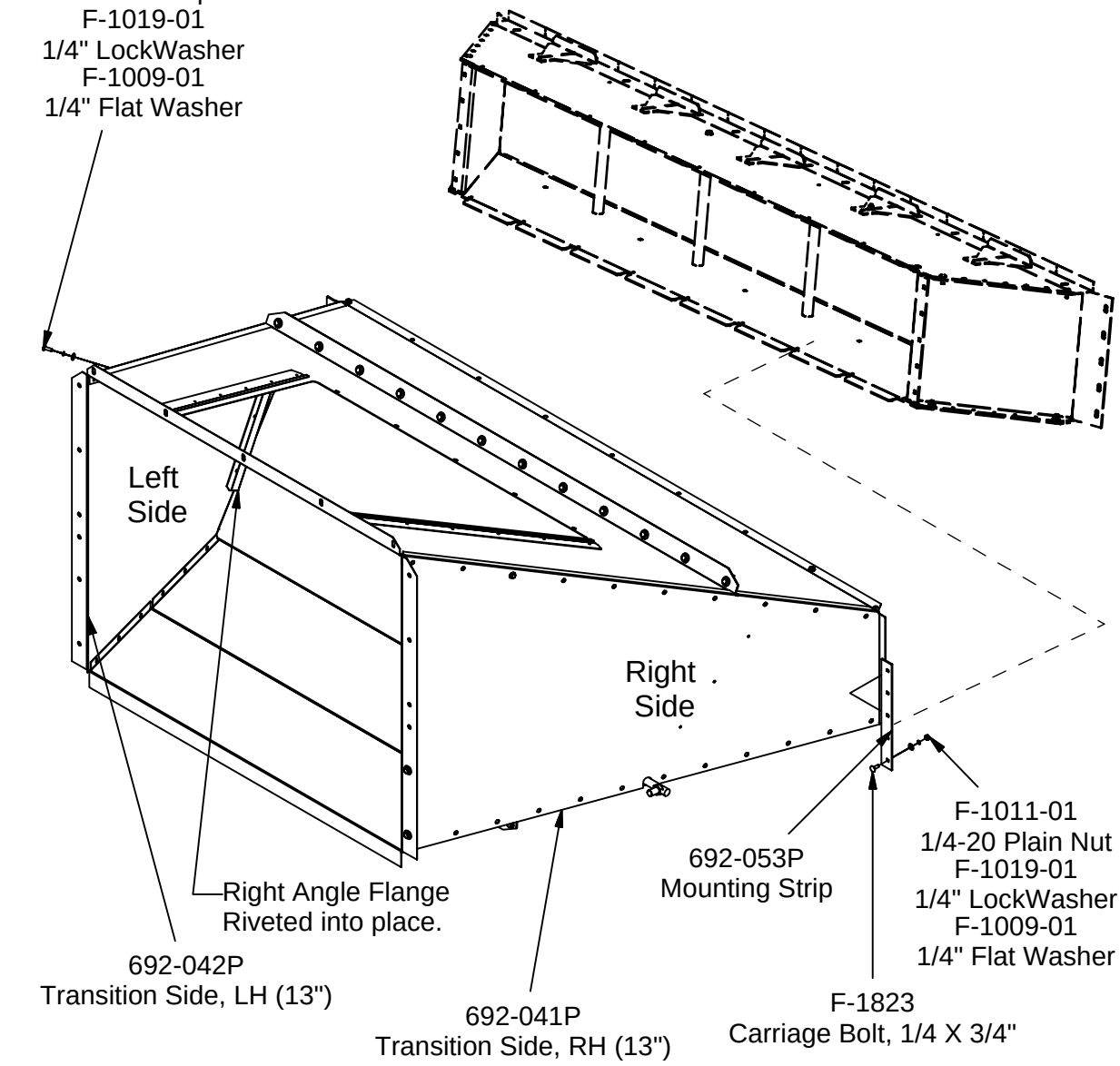
2 Connect bottom of transition to entrance collar with 1/4 x 3/4" bolts, washers and lockwashers fastened into U-Nuts. Place other end into groove in burner front.

3. Connect Top of transition to entrance collar using hardware shown above from Sack 692-057A.

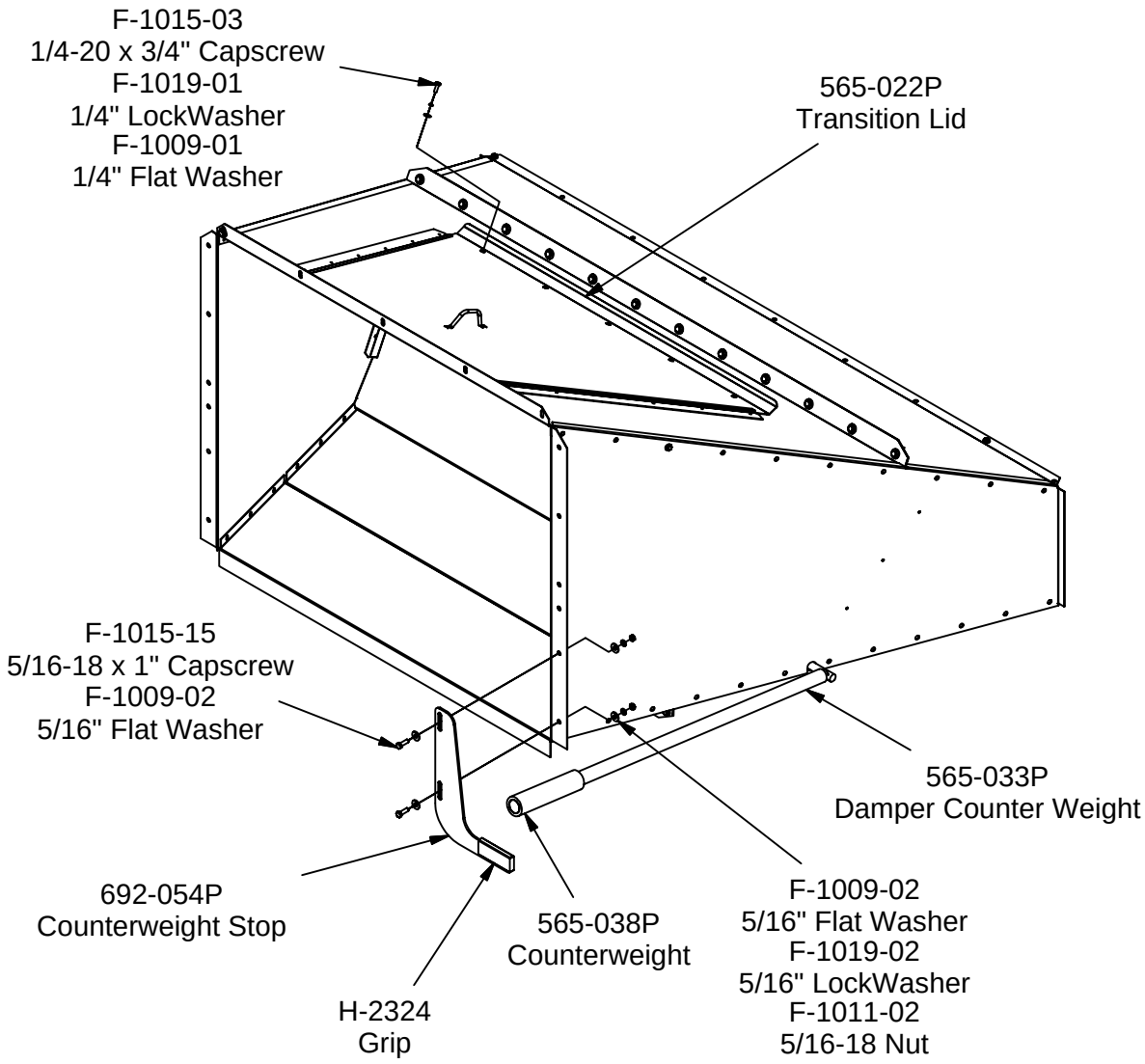
4. Slide the burner in place, taking care to have it parallel to the Entrance Collar. Lay the bend at the front of the transition bottom piece into the bend on the burner. Connect top of transition to burner using 5/16" bolts, (2) flat washers, lockwashers and plain nuts from Sack 692-057A.

5. Lay damper door into position placing shaft into grooves on each side. The end with the 5/8" Bolt should be on the right side, when facing the bin.

7. Mount Transition To Entrance Collar using Mounting Strips and 1/4 x 3/4" Carriage Bolts, Lockwashers, Washers, and Nuts as shown.



6. The Left and Right Side pieces (692-041P (LH) and 692-042P (RH) fasten directly to the outside edges of the top and bottom with the U-nuts using 1/4" bolts, lockwashers and flat washers located in Hardware sack 692-056A. For both sides place the riveted right angle flange inward toward the damper door.



8. Screw the Damper Counterweight Rod (565-033P) onto the 5/8-11 threaded bolt on the end of the Damper Door. Check the operation of the Door and Counterweight to ensure that no obstruction will interfere with its range of motion. When the Fan is on, the Door should open (counterweight up). The door should automatically be in the closed position (counterweight down) when the Fan is off. If the door won't close when the fan is off, slide the counterweight (565-038P) with setscrew toward the end of the Damper Counterweight so the door closes every time.

9. Slide the Transition Lid into the flanges on the top piece. Use the 1/4x 3/4" bolt, flat washer and lockwasher from sack 691-058A to secure the lid through the U-Nuts.

10. The Counterweight Stop is to be placed in position when the burner is attached. Connect it as shown sliding it high enough to keep the Counterweight from falling too far.