

# J&D Manufacturing

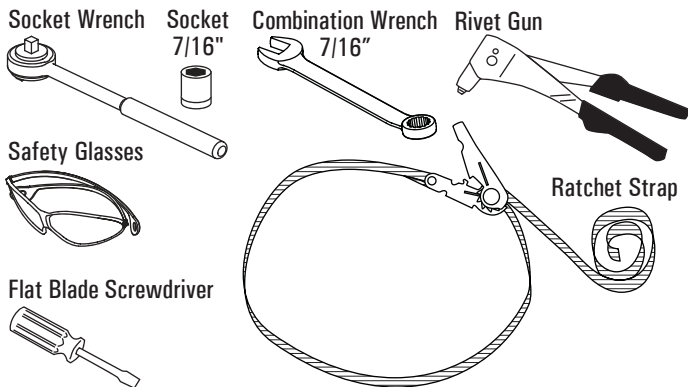
## TYPHOON - SLANT WALL EXHAUST FAN WITH CONE



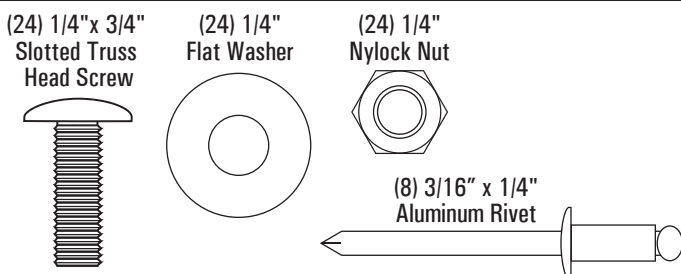
## WARRANTY

J&D Mfg. warrants all products are free from defects in materials and workmanship under normal use for the period of one year from date of purchase and our warranty does not cover normal or regular wear and tear. J&D Mfg can repair or replace at our option, any product or part of the product that is found to be defective. Our warranty applies to materials only and does not include return freight, delivery, loss or damage to personal property, cost of removal or installation, any incidental or consequential damages or labor. This warranty does not apply to products which are misused, abused, altered, improperly installed or subject to negligence. All warranties must be approved through our warranty department. The original purchaser must present a copy of the invoice for the defective product. One year is our standard warranty unless specified on our literature or in the installation instructions/user manuals.

## RECOMMENDED TOOLS FOR ASSEMBLY (NOT PROVIDED)

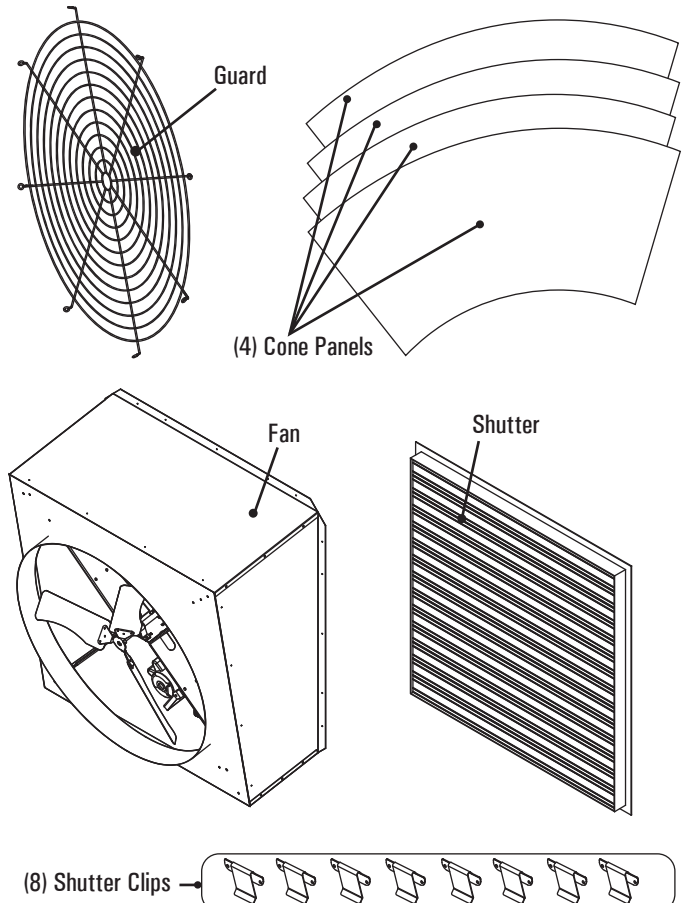


## INCLUDED ASSEMBLY HARDWARE - TO SCALE



## INSTALLATION HARDWARE IS NOT PROVIDED

## PARTS LEGEND



## ROUGH OPENING

Fan Size	Rough Opening Width x Height*	Shutter Size
24"	31 1/4" x 32"	30" x 30"
30"	37" x 38"	36" x 36"
36"	41" x 42"	40" x 40"
42"	49 1/2" x 50 1/2"	48" x 48"
48"	55 1/2" x 56 1/2"	54" x 54"
50"	55 1/2" x 56 1/2"	54" x 54"

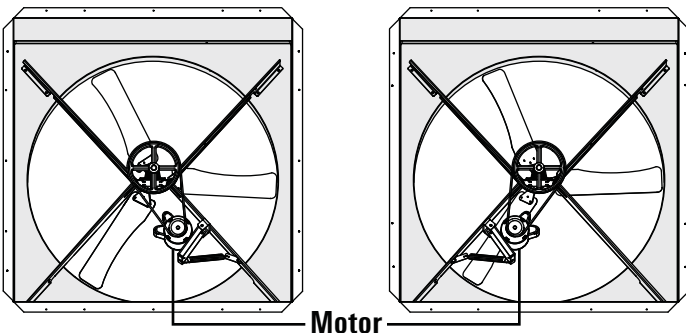
**\*NOTE:**  
Rough opening height is based upon a 6" wall thickness. For walls of 1 1/2" or less, subtract 1" from the height measurements.

## INSTALLATION

Please read over all instructions carefully before you begin. If you have any questions please call your local dealer, or contact J&D Manufacturing at 1-800-998-2398.

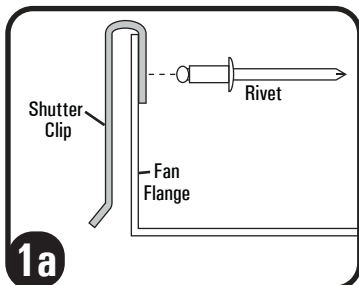
Correct orientation of fan. From the inlet side, the motor will be located below and to the left or to the right of the shaft, depending on your model.

View from inlet side of fan

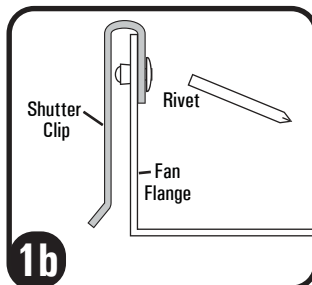


Motor

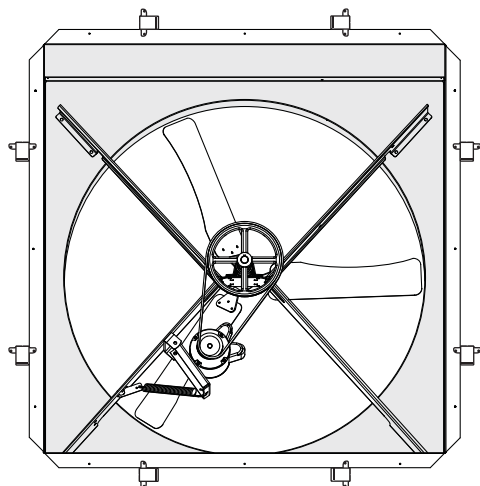
Attach all (8) shutter clips with a rivet gun using (8) 3/16" rivets. Review the illustrations below for placement and assembly.



1a

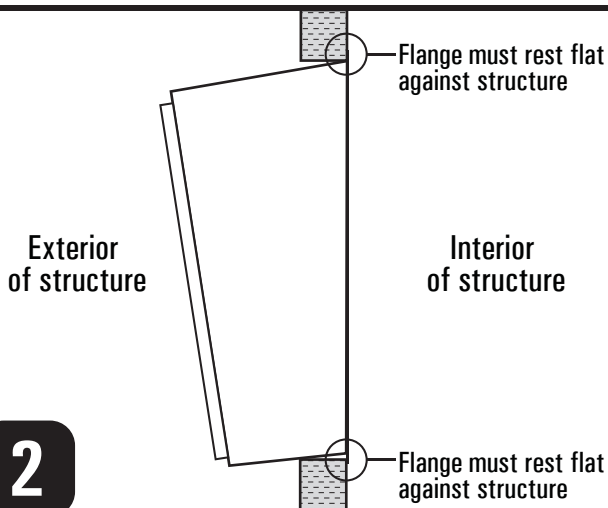


1b



1

Lift and tilt fan body as you insert fan into the rough opening. Fan is fully inserted when flange rests flat against structure as shown below.

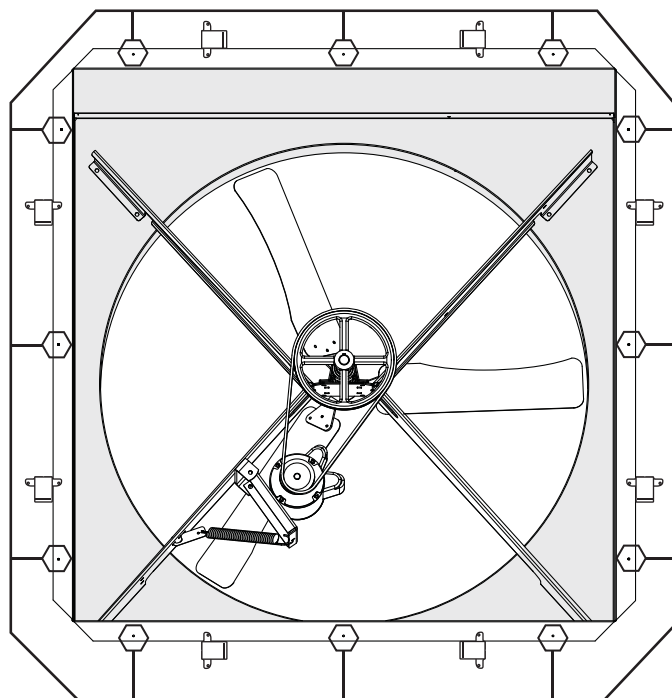


Exterior of structure

Interior of structure

2

Center the fan body in wall opening. Using the holes indicated, secure fan to framework with (12) fasteners (not provided) suitable for your structure.



3

Use (12) fasteners (not provided) suitable for your structure.



**DISCONNECT POWER**  
BEFORE INSTALLING OR SERVICING.



ALL ELECTRICAL WORK SHOULD BE COMPLETED BY  
QUALIFIED PERSONNEL AND MEET NATIONAL (NEC),  
REGIONAL AND LOCAL ELECTRIC CODES.

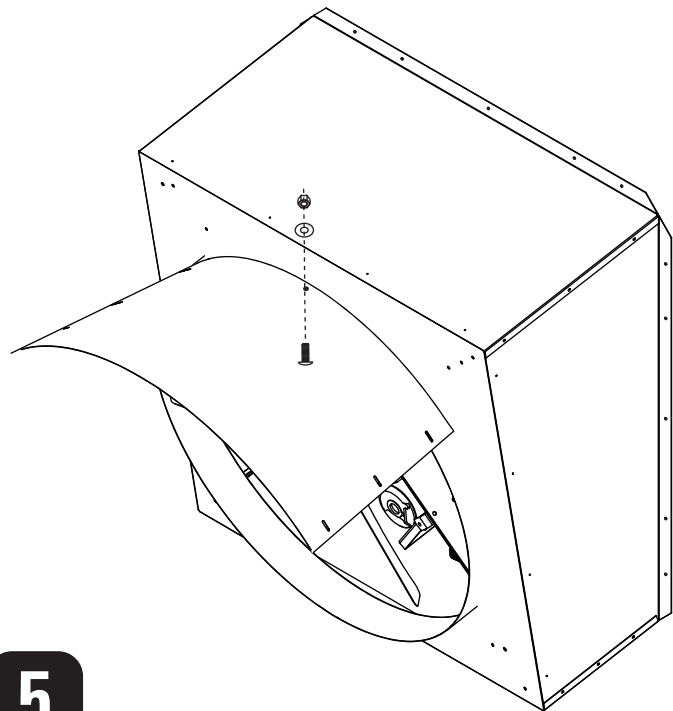
Connecting power to the unit.

- Install manual disconnect inside building adjacent to fan.
- Route wire to motor with drip loop and secure. Drip loop will drain accumulated moisture away from the motor.
- Configure internal wires to match supply voltage and wire according to motor nameplate. Test to verify correct rotation.
- Shut off manual disconnect for remainder of install. Only permit power to unit when shutter and guard is fully installed to prevent injury.

4

Venturi flange has (4) pre-drilled hole locations. Start with the location at the top of the venturi. Attach cone section (short edge towards venturi) using (1)  $\frac{1}{4}$ " x  $\frac{3}{4}$ " slotted truss head screw with (1)  $\frac{1}{4}$ " washer and (1)  $\frac{1}{4}$ " nylock nut as shown.

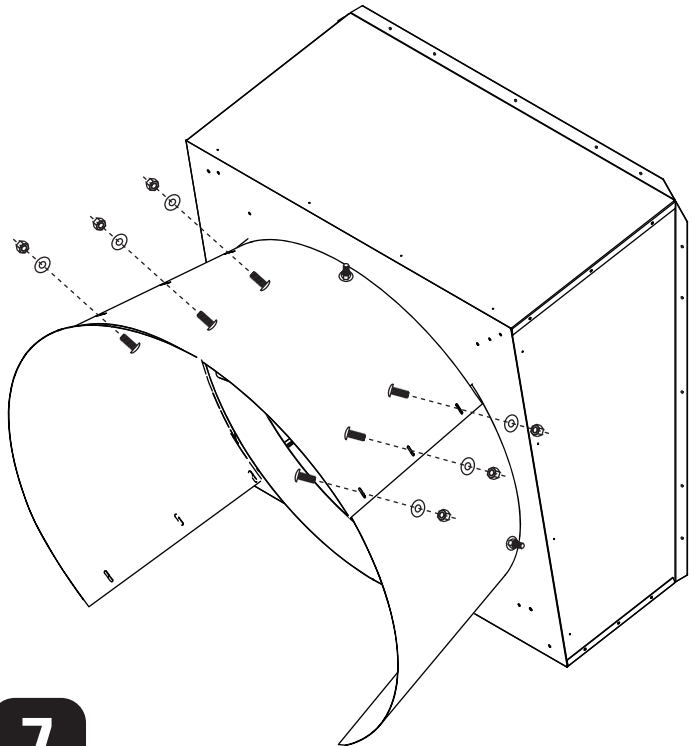
The slotted truss head screw needs to be on the inside of the venturi and the washer and nylock nut need to be on the outside of the venturi and cone as shown below. Tighten nut and screw.



5

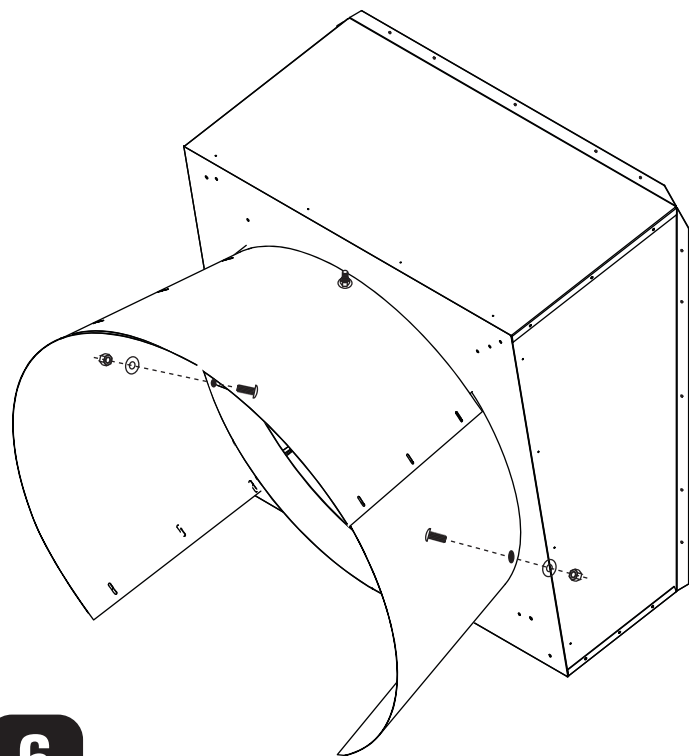
With the top cone section overlapping the edges of the side cone sections, fasten sections together using (6)  $\frac{1}{4}$ " x  $\frac{3}{4}$ " slotted truss head screw with (6)  $\frac{1}{4}$ " washers and (6)  $\frac{1}{4}$ " nylock nuts, but **DO NOT TIGHTEN**.

The slotted truss head needs to be on the inside of the venturi and the washer and nylock nut need to be on the outside of the venturi and cone as shown below.



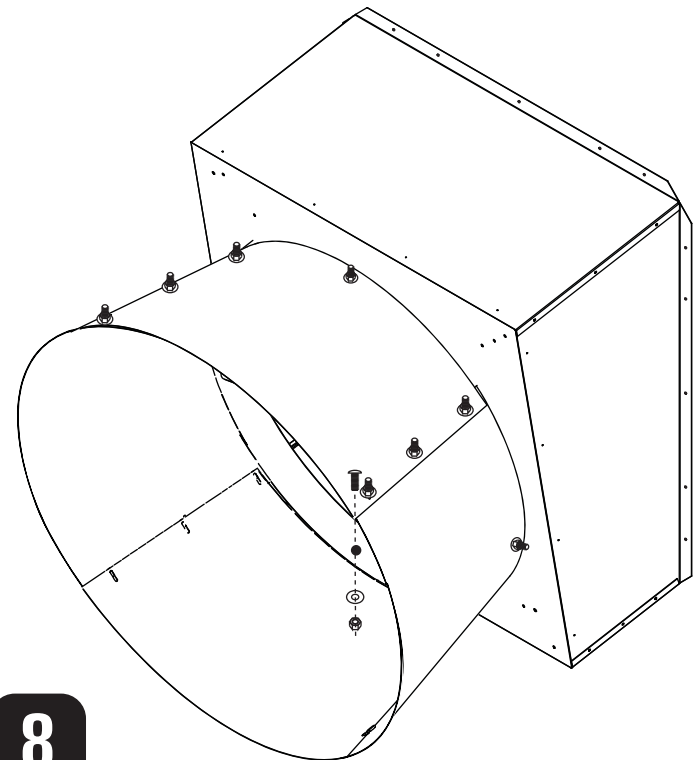
7

Attach both side cone sections to the venturi like you did with the top cone section in **Step 6**. The top cone section should overlap the side cone sections to help shed water.



6

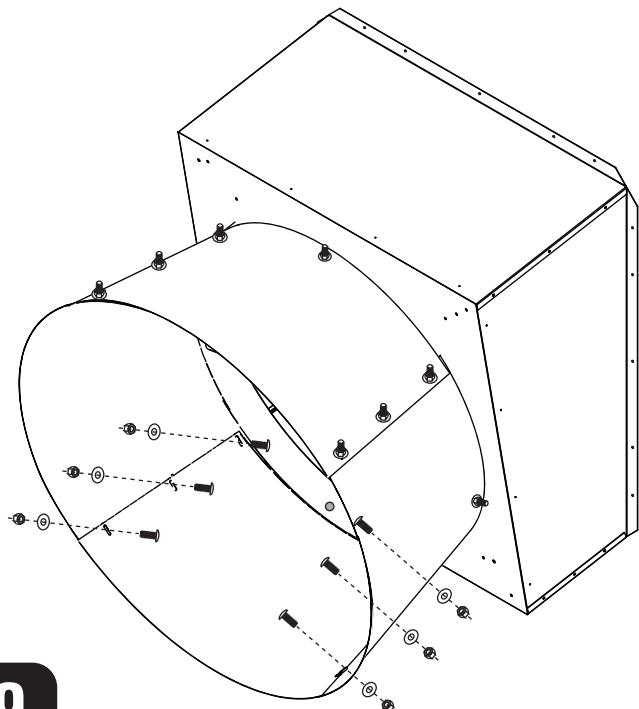
Attach bottom cone section to the venturi like you did the top and side cone sections in **Steps 6 and 7**. The bottom cone section should rest inside of the side cone sections to help shed water.



8

With the bottom cone section inside the side cone sections, fasten sections together using (6)  $\frac{1}{4}$ " x  $\frac{3}{4}$ " slotted bolts with (6)  $\frac{1}{4}$ " washers and (6)  $\frac{1}{4}$ " nylock nuts, but **DO NOT TIGHTEN**.

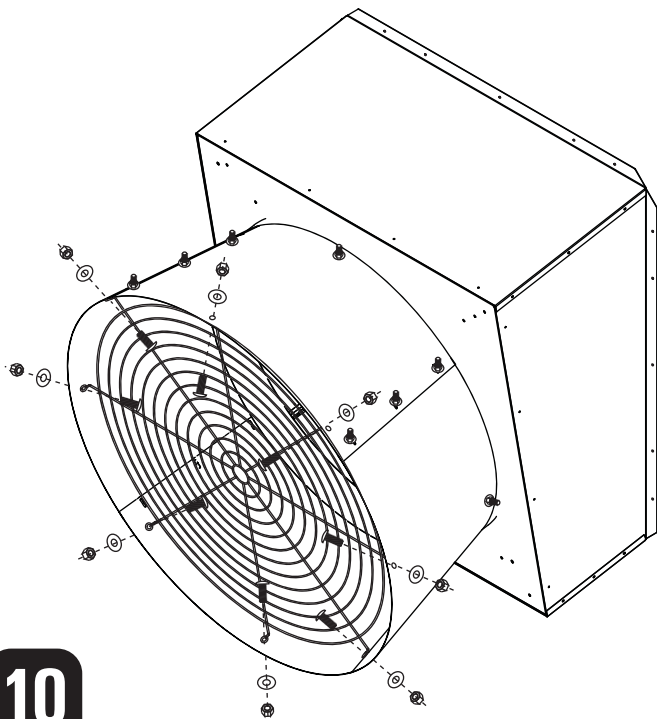
The slotted truss head screw needs to be on the inside of the venturi and the washer and nylock nut need to be on the outside of the venturi and cone as shown below.



9

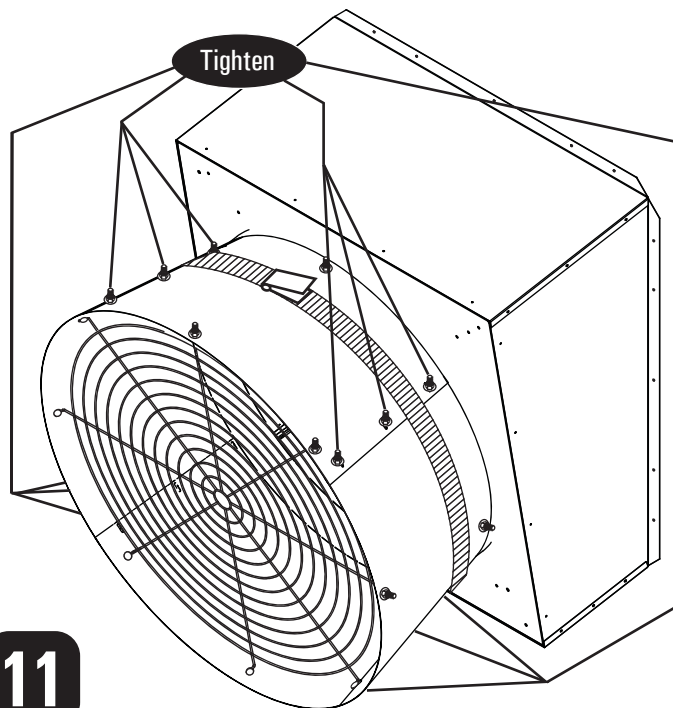
Fasten guard to cone using (8)  $\frac{1}{4}$ " x  $\frac{3}{4}$ " slotted truss head screw with (8)  $\frac{1}{4}$ " washers and (8)  $\frac{1}{4}$ " nylock nut.

The slotted truss head needs to be on the inside of the venturi and the washer and nylock nut need to be on the outside of the venturi and cone as shown below.



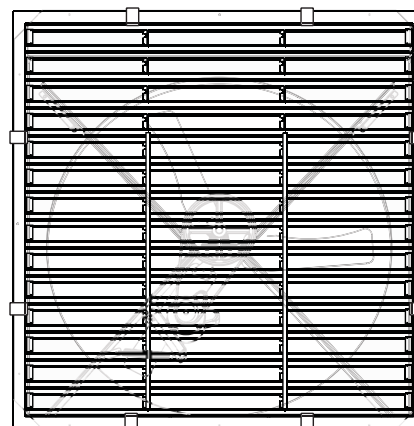
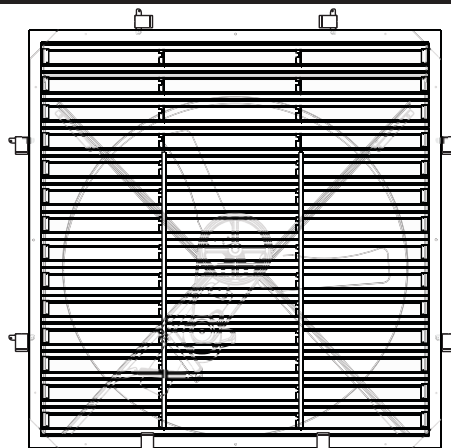
10

After guard is installed apply the ratchet strap around the cone near the venturi and tighten until no gaps appear between the venturi and the cone. Once the cone is effectively contracted, tighten the slotted truss head screws that connect the cone panels together. After all screws are tightened remove ratchet strap.



11

Swivel top and side shutter clips open. Set bottom shutter flange between housing flange and bottom shutter clips. Secure shutter by swiveling top and side shutter clips over shutter flange.



12