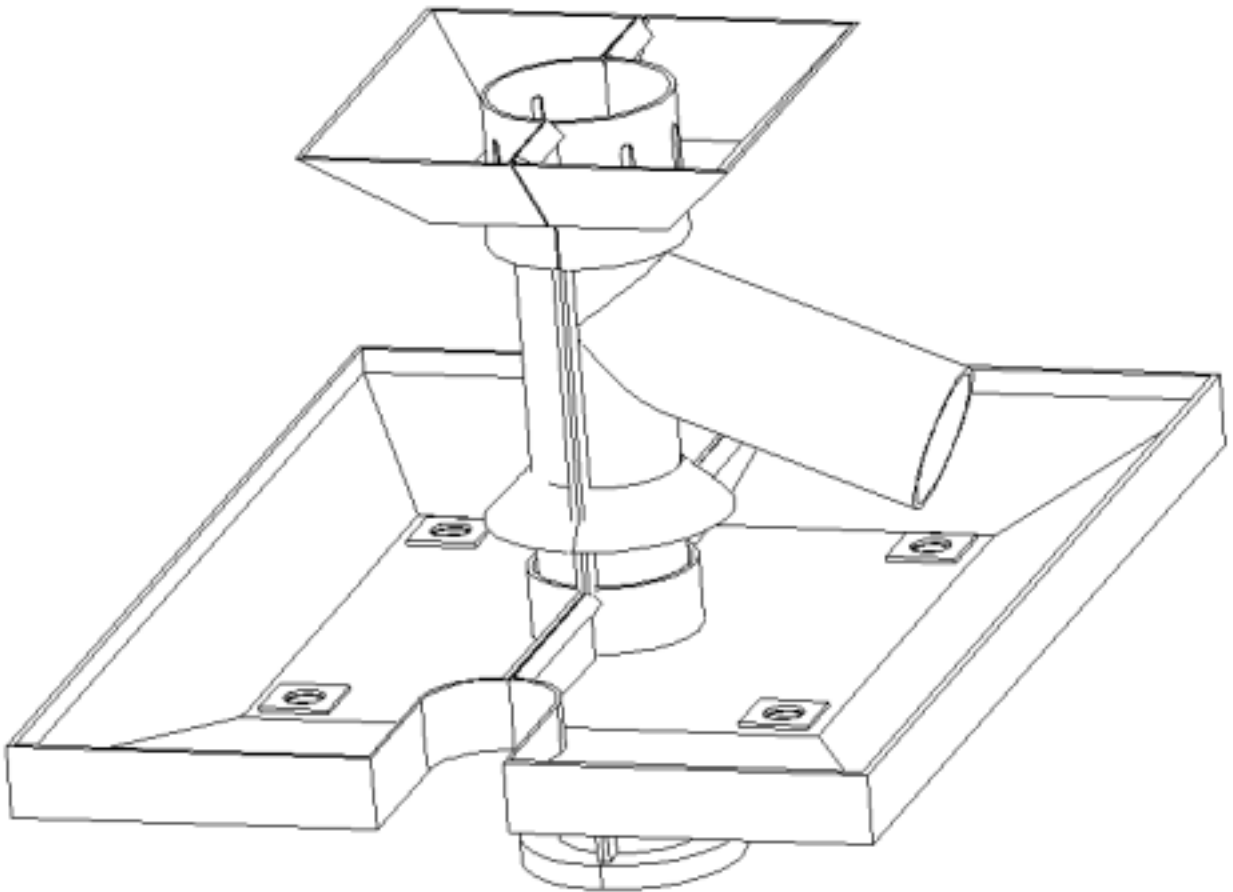
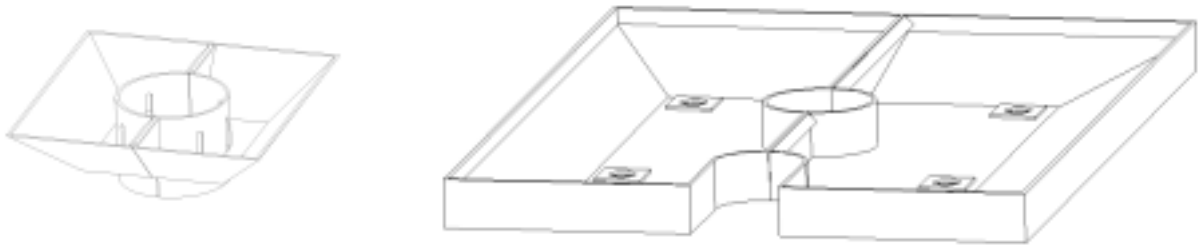


DRILLING FLUID CONTAINMENT SYSTEM



RAT PLASTIC LTD

#2 - 4111 Industrial Ave.
Box 1209 Onoway, Alta. T0E-1V0
Ph. 1.780.967.0118 Fx. 1.780.967.0118
www.cappservice.com



In our quest for environmentally friendly drilling, the problem of “drilling fluid containment” has always been at the fore front. Be it Metal Trays , Plastic Trays or just simple Tarps, getting the drilling fluid back into the Flow Tee then to the shaker tank, or resolving a dirty stack has always been a problem to solve.

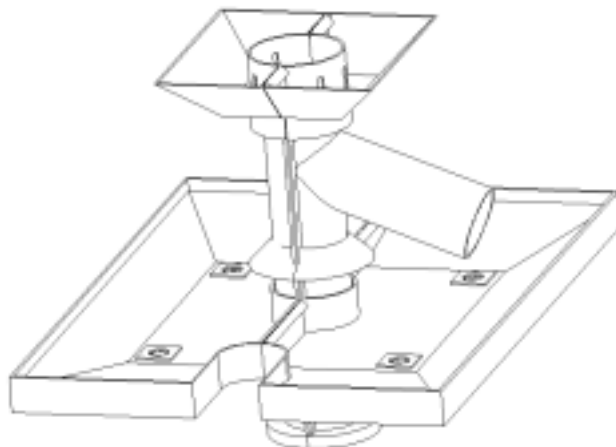
We have a solution to the problem, if it does not solve the problem completely, it will reduce the problem, to the largest extent.

Existing Technologies are common in the field. Cumbersome, leak prone, and difficult to install.

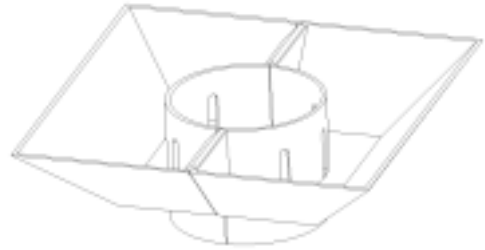
We have a system that is easy to install and is leak free. The installation process is very simple. Once the flow tee is modified to incorporate our system, the Rig Hand can install a top tray in minutes, and a bottom tray can also be install in minutes.

Our System performs the task without the use of seals, directing the fluid into the Flow Tee where it belongs, not against seals where leakage is a common factor

As there are no seals in our system, there is no need for tedious fitting and care, trying to make the seals work. A simple set in place, and the tray performs it’s task as it always should have.



TOP TRAY



The Top Tray is installed in such a way that no seals are required to direct the fluid into the Flow Tee

An expansion collar is incorporated onto the top of the Flow Tee, this gives us a perfect circle for installation, it also provides margin so the tray does not interfere with tooling, traveling in and out of the hole.

When the collar is welded to the Flow Tee, and the top tray is installed, there is no potential for leakage.

Bottom Tray



The Bottom Tray sits on a flange that is welded onto the Flow Tee, the Tray is then supported around the perimeter with ratchet straps.

The Flashing that is welded to the Flow Tee above where the Tray sits, directs any fluid coming down the Flow Tee into the Tray.

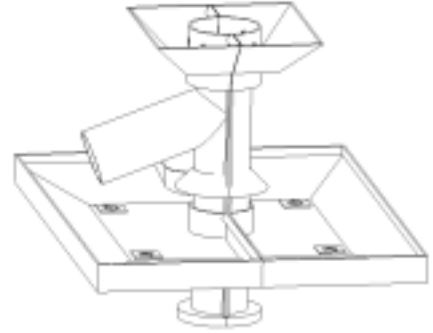
Four drain ports allow the fluid to be drained into the cellar or tank as deemed necessary.

Again there are no seals in this installation, making the installation quick and easy

DRILLING FLUID CONTAINMENT

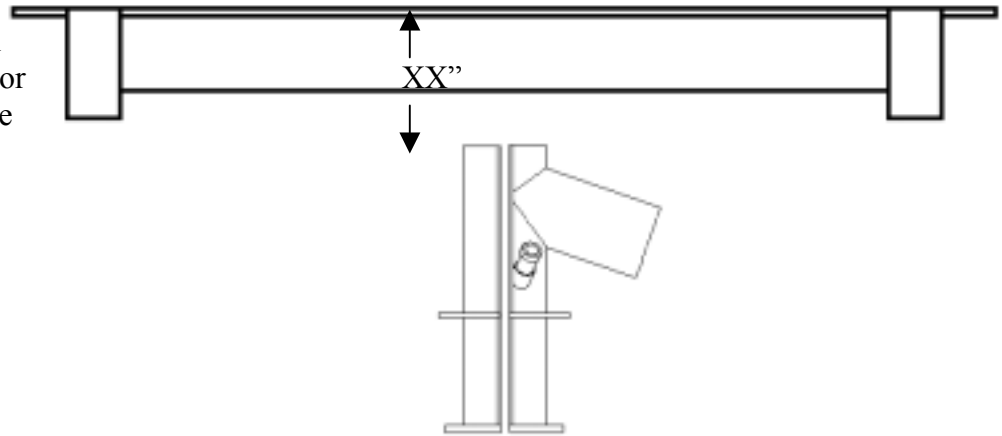
INSTALLATION INSTRUCTIONS

TOP TRAY



STEP 1

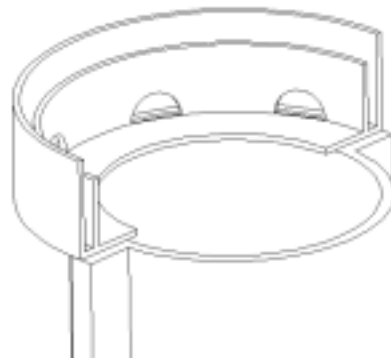
Cut Flow nipple down
XX" Between Rig Floor
and top of Flow Nipple



STEP 2

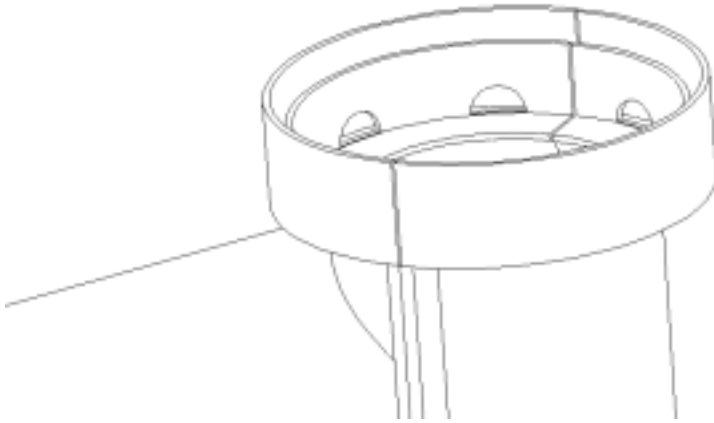
Install Collar

Position Collar on top of Flow Tee
Scribe the bottom of collar to establish ID,
Cut as required to fit Collar to Flow Tee
Seal Weld in place



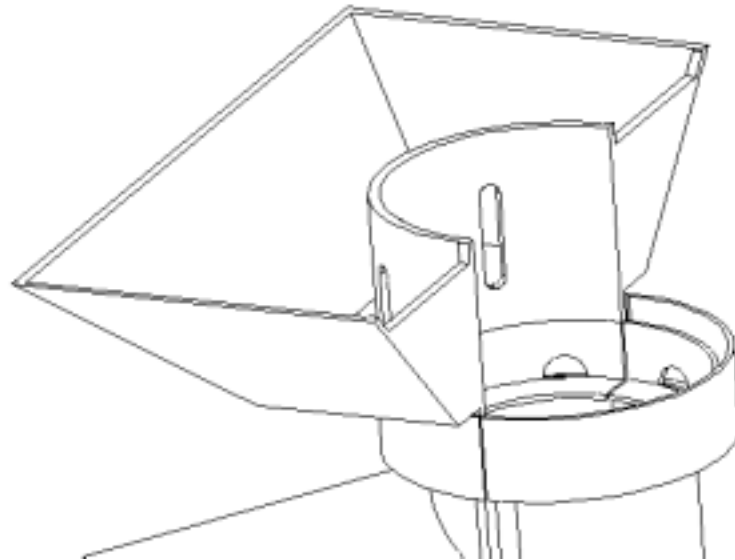
STEP 3

After Collar is installed
It should look like this



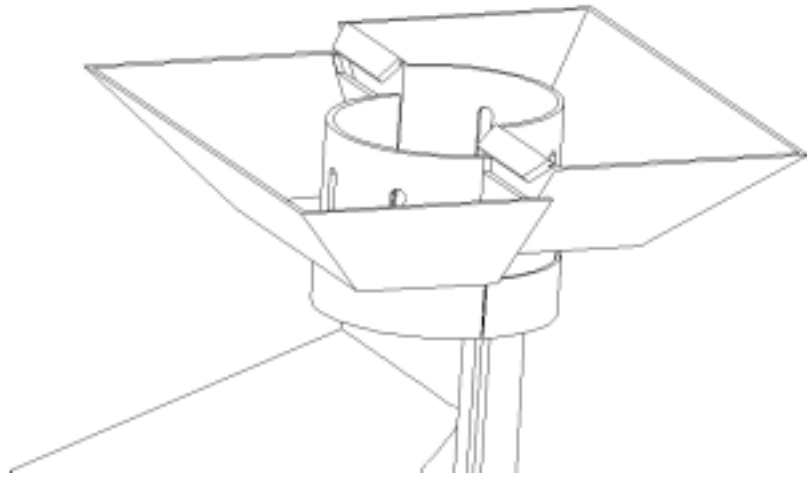
STEP 4

Install side one into Collar
Position vertically and
slide into place



STEP 5

Install side two into Collar
Position vertically and
slide into place



STEP 6

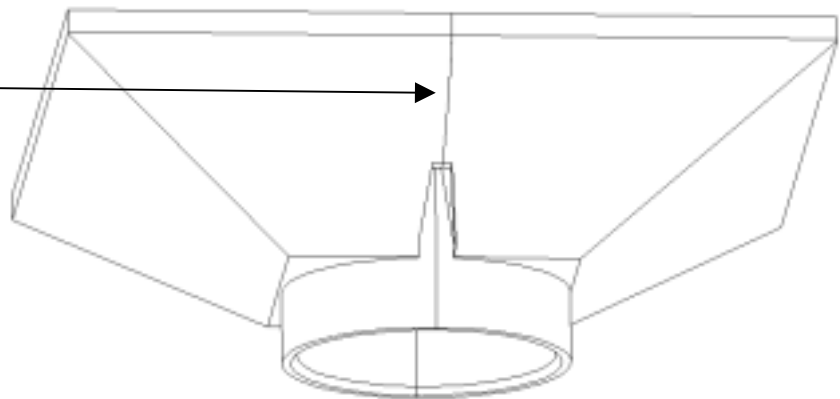
Tighten Turn buckles to finger tight

DO NOT OVER TIGHTEN TURNBUCKLES

STEP 7

Optional
Apply sealant to joint

Silicone Sealant



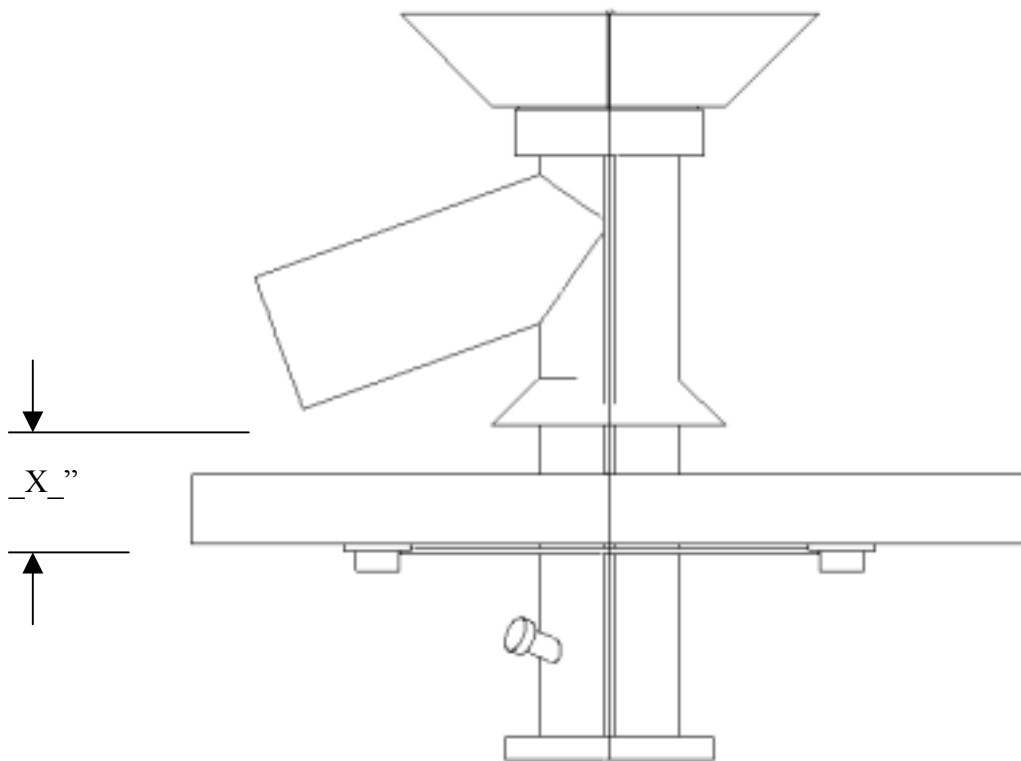
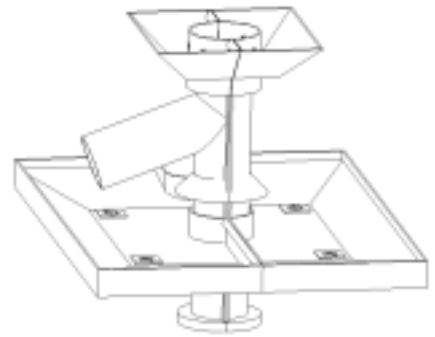
DRILLING FLUID CONTAINMENT

INSTALLATION INSTRUCTIONS

BOTTOM TRAY

STEP 1

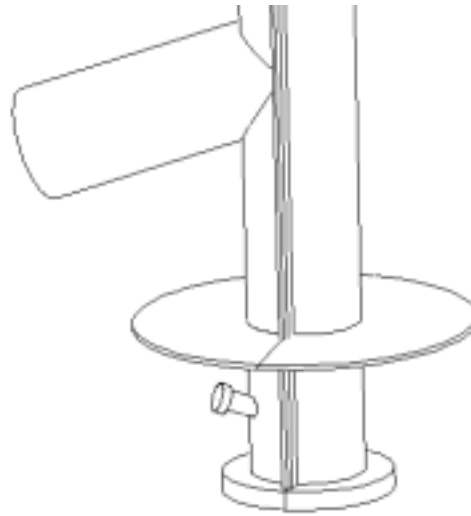
Determine the height the Tray needs to be to accommodate the flow line



STEP 2

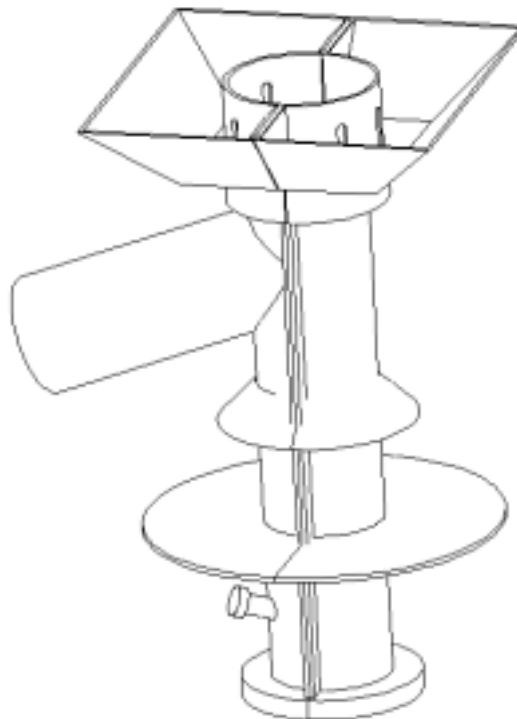
Install Flange

Weld Flange to Flow Nipple



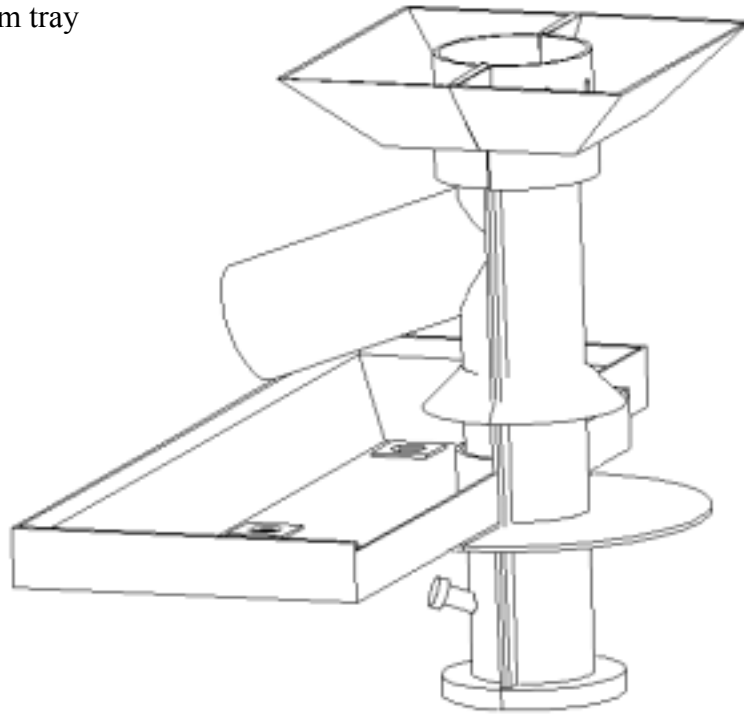
STEP 3

Install Flashing above Flange
Leaving enough room to install tray
It should look like this



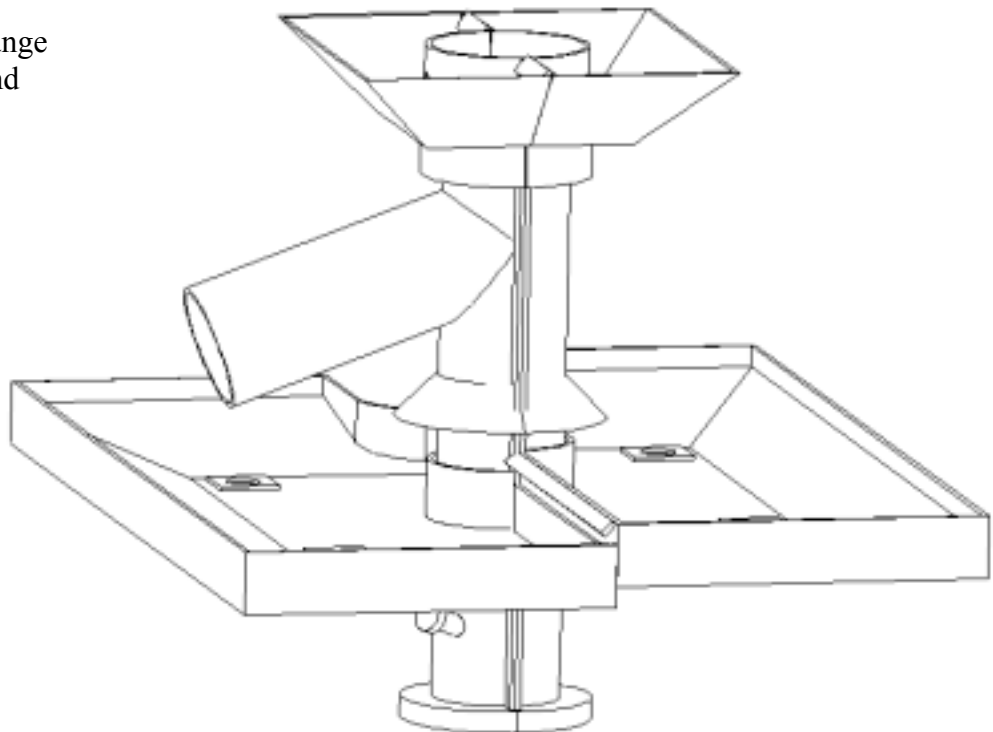
STEP 4

Set side one of Bottom tray
Onto Flange



STEP 5

Set side two onto Flange
Position vertically and
hook into place



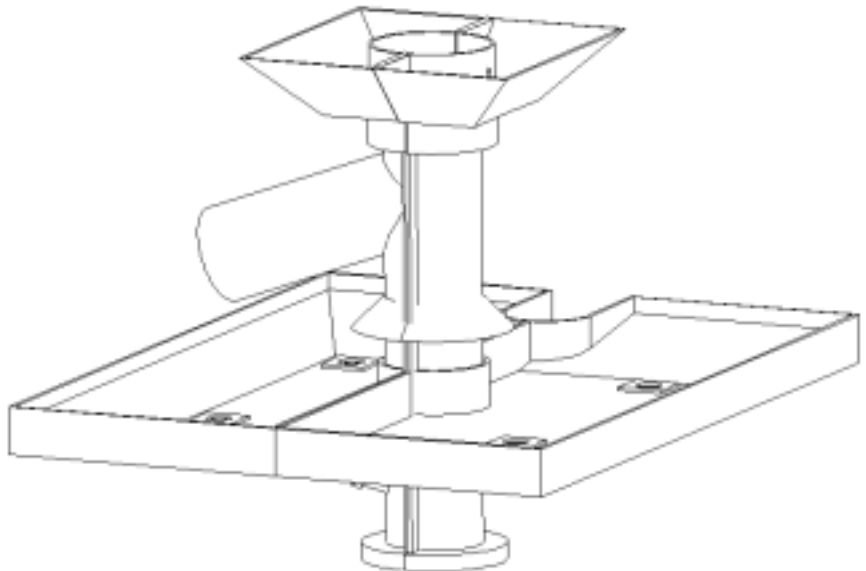
STEP 6

Tighten Turn buckles to finger tight

DO NOT OVER TIGHTEN TURNBUCKLES

STEP 7

Support perimeter with Ratchet Straps or equivalent



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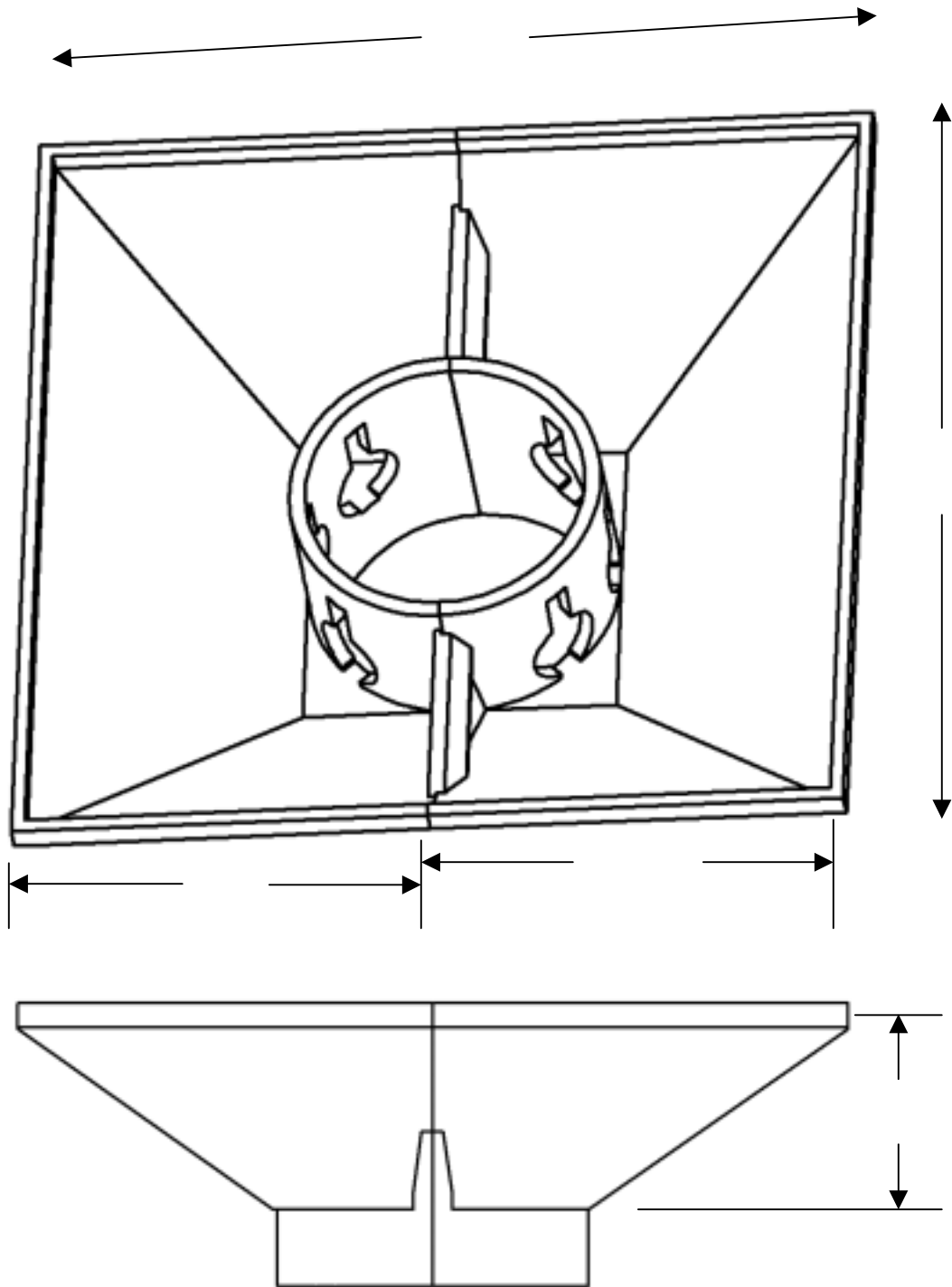
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Top Tray Dimensions

Fax 780-967-0118



Flow Nipple ID / OD _____

Bottom Tray Dimensions

Fax 780-967-0118

