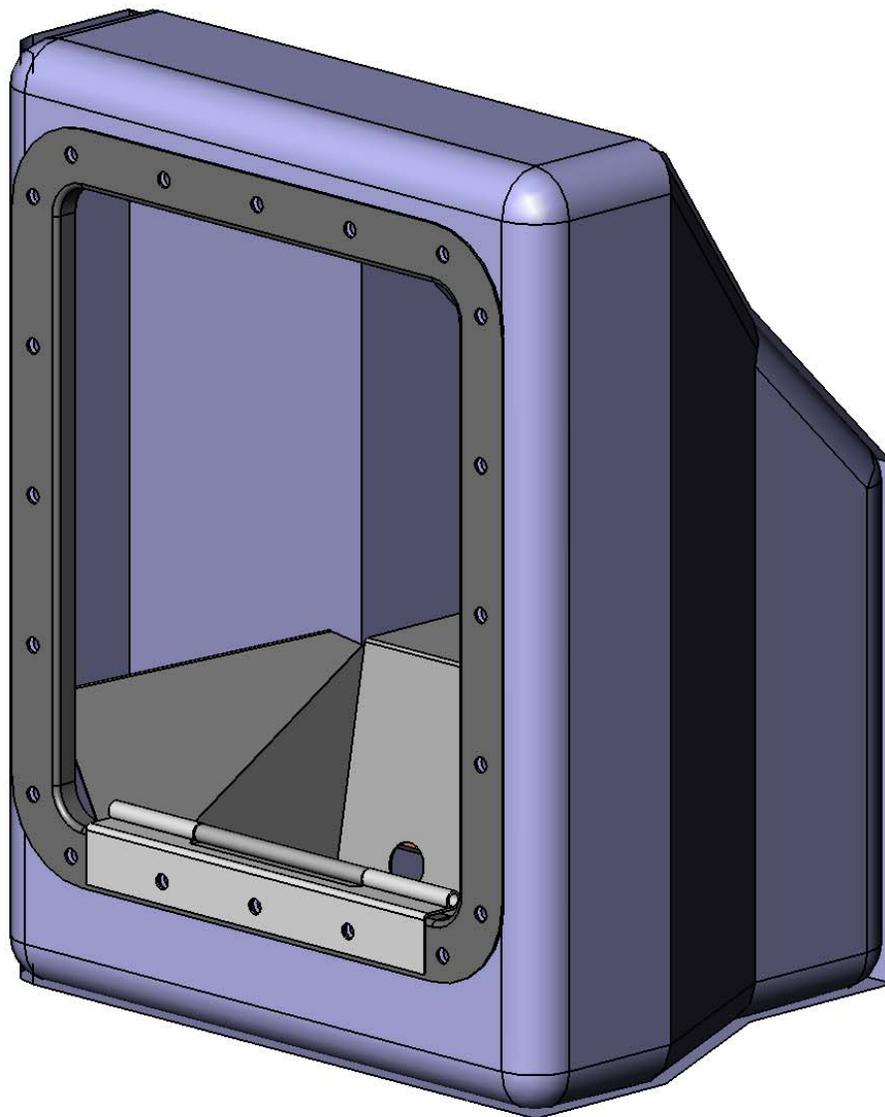


MANUAL NO. 13472  
CREATED APRIL 11, 2008  
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# DRINKER

FOR METAL OR POLYETHYLENE  
WATER TANKS



# PARTS AND ASSEMBLY MANUAL

# **SAFETY**



WATCH OUT FOR THIS SYMBOL.  
THIS SYMBOL POINTS OUT IMPORTANT SAFETY PRECAUTIONS.  
IT MEANS ATTENTION – BE ALERT.  
YOUR SAFETY IS INVOLVED.

**PLEASE HEED!** FAILURE TO DO SO MAY RESULT IN DEATH OR SERIOUS PERSONAL INJURY.



**1. ELECTROCUTION HAZARD**  
NEVER LOCATE THE TANK NEAR OR AGAINST ELECTRICAL SERVICE WIRES OR LINES. NEVER SUBMERGE ELECTRICAL DEVICES NOT INTENDED FOR CONTACT WITH WATER IN THE TANK. ANY APPROVED ELECTRICAL DEVICE MUST BE PROPERLY GROUNDED.



**2. NEVER ALLOW CHILDREN TO PLAY AROUND OR IN THE TANK.**  
THIS TANK IS NOT INTENDED TO BE USED AS A SWIMMING POOL. GALVANIZED METAL AND POLYETHYLENE, ESPECIALLY WHEN WET, CAN BE SLIPPERY.

## **GENERAL INFORMATION**

- 1) At the time of delivery, be sure to check all parts for proper quantity and condition. If a shortage or damage has occurred, do not accept delivery without making a note on the freight bill or delivery receipt. If a shortage or damage is found, notify your carrier immediately so they can send an inspector to make a formal report. Compliance with the carriers' procedure is essential for settlement of a claim as the Company's responsibility ends when the carrier receives shipment.
- 2) Carefully read and understand this manual before installation. The proper installation, use, and maintenance of the tank and drinker are dependent upon thorough understanding of these contents.

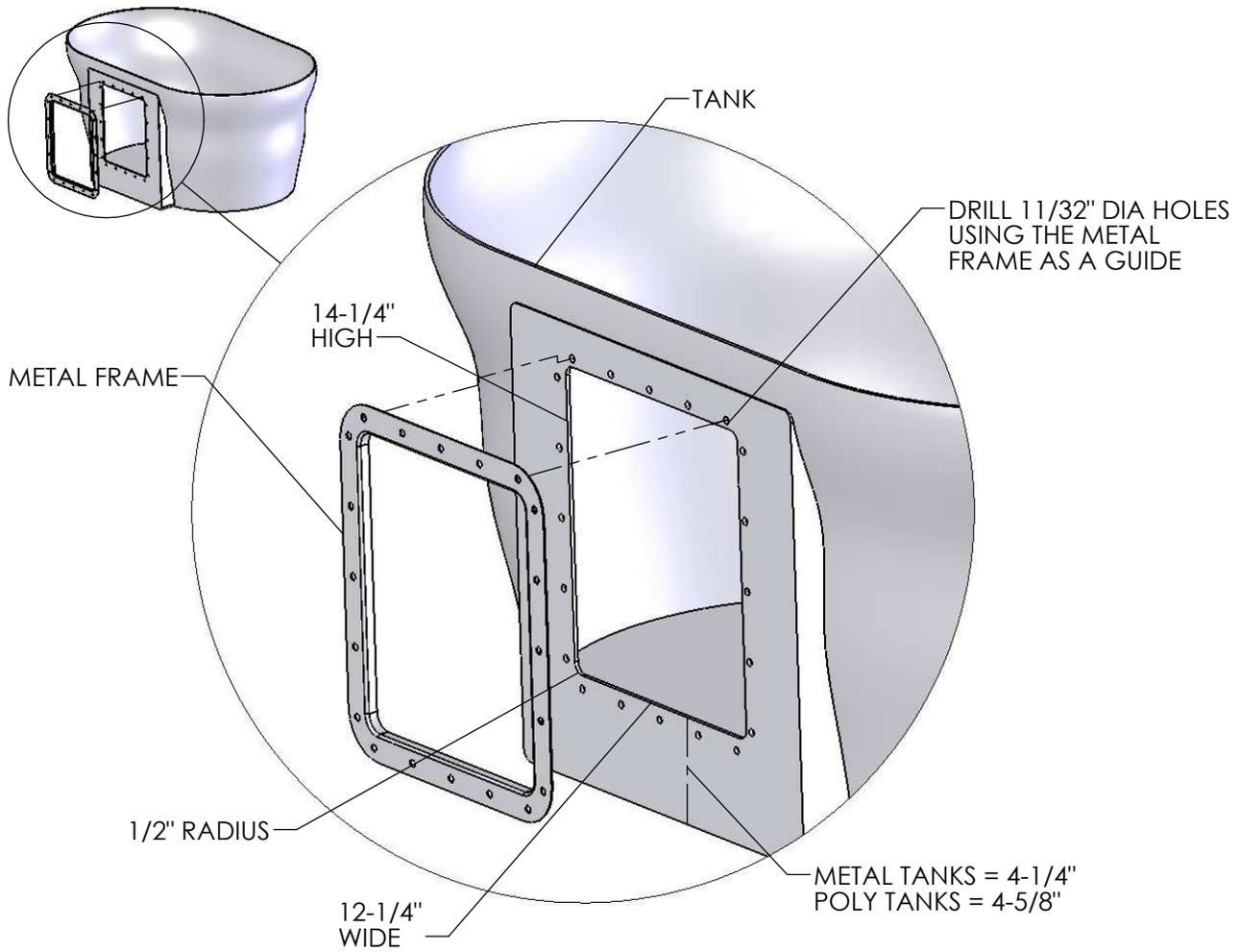
## **OPERATION AND MAINTENANCE**

- 1) The water drinking level of your tank should be sufficient for all size animals providing the pan is kept relatively free of feed and / or debris buildup. Should you feel the water level requires adjustment up or down, refer to the illustration on **STEP 2** of this manual for the correct adjustment procedure. The drinker pan is permanently attached to the tank with a hinge to facilitate cleaning. In addition, each pan is furnished with a primary and secondary position stops to prevent tampering by the animal. The "wings" or sides of the pan are the primary stops and are to be deflected slightly inward (both sides simultaneously) to pivot the pan up to a vertical position for cleaning. The secondary stop consists of the spring tab which can be deflected inward allowing the pan to be pivoted out of the drinker for further cleaning or access to the valve for maintenance. These stops must not be over bent when operating and must be fully engaged to prevent tampering. Be certain they are locking the pan effectively.
- 2) The valve guard is equipped with a debris strainer. Without it, the valve mechanism may not seal properly. If the tank water becomes contaminated with leaves or other debris, it may be necessary to wipe the screen clean at least daily. At a minimum, the screen should be cleaned between each fill. Your valve may be equipped with a removable guard, in which case remove it for cleaning.
- 3) Water which is icing or frozen will, obviously, cause the valve to stop operating, but should not cause permanent damage. In the best interests of valve life, however, it is recommended that the drinker is prevented from freezing up. A water heater may be installed near the valve inlet to improve low temperature operation. **CAUTION:** Water heater mechanisms must not come in contact with the polyethylene drinker body or polyethylene stock tank.

# PREPARE TANK FOR DRINKER ASSEMBLY

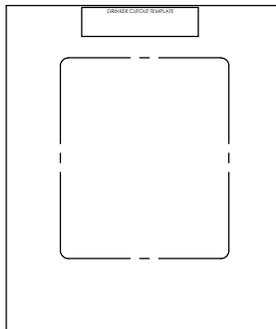
## **STEP 1:**

MARK AND CUT DRINKER HOLE AND DRILL 11/32" DIAMETER HOLES AS SHOWN BELOW. DO NOT INSTALL THE DRINKER AT ENDS OF TANK. CHOOSE A FLAT SURFACE ON THE TANK SIDE FOR THE DRINKER LOCATION.



**IMPORTANT:** DRILL ALL CORNERS WITH A 1" DRILL BIT BEFORE CUTTING EDGES WITH A JIG SAW.

**NOTE:** A PAPER TEMPLATE (#157055) IS AVAILABLE FOR THE DRINKER CUT-OUT. CONTACT YOUR DEALER.





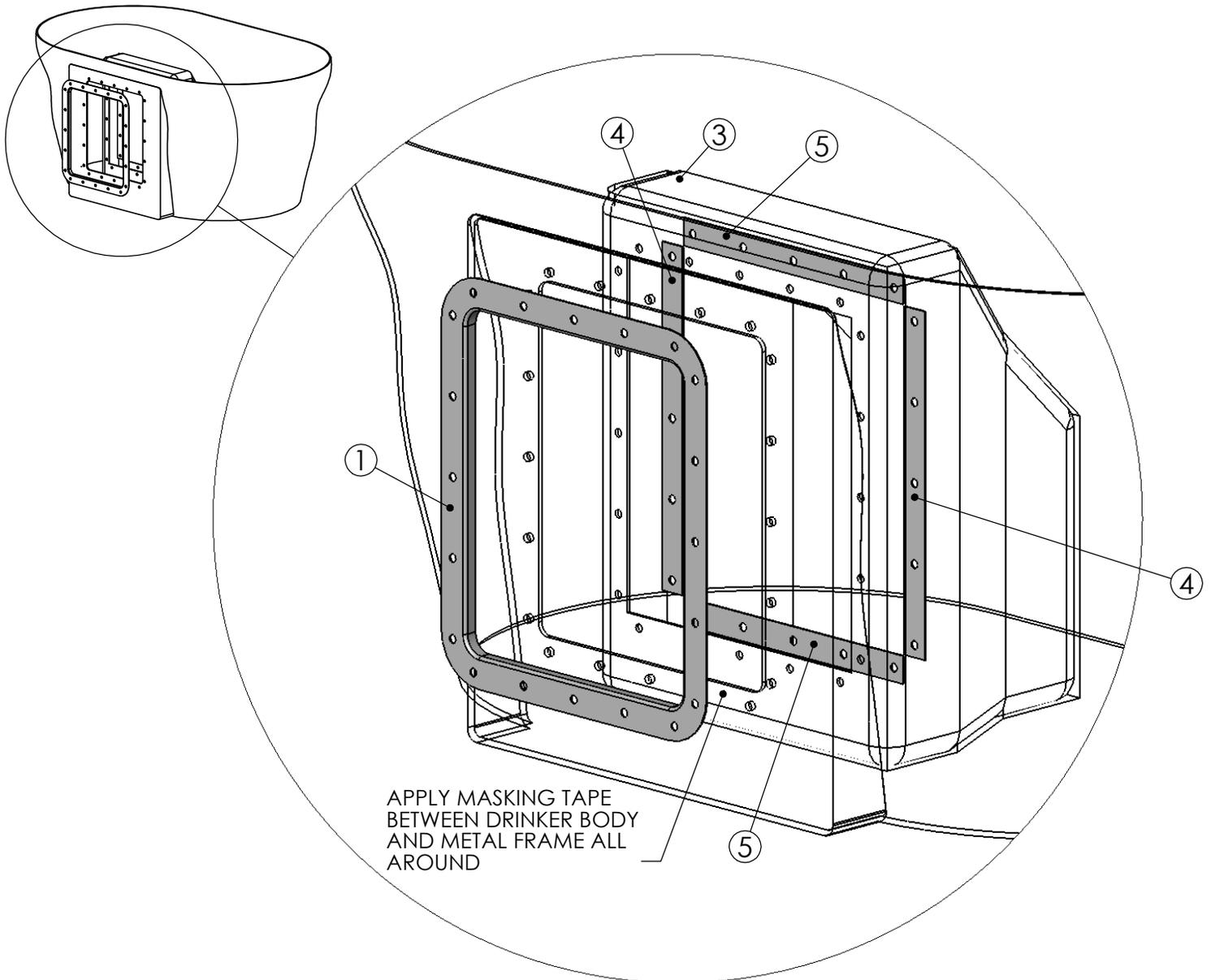
## INSTALL DRINKER FRAME IN TANK

### STEP 3:

APPLY MASKING TAPE IN RECESS AROUND OUTSIDE OF DRINKER OPENING. BE SURE THAT THE DRINKER AND TANK SURFACES WHERE MASKING TAPE IS APPLIED ARE FREE OF CONTAMINATES SUCH AS GREASE, OIL, WATER, OR OTHER DEBRIS.

### STEP 4:

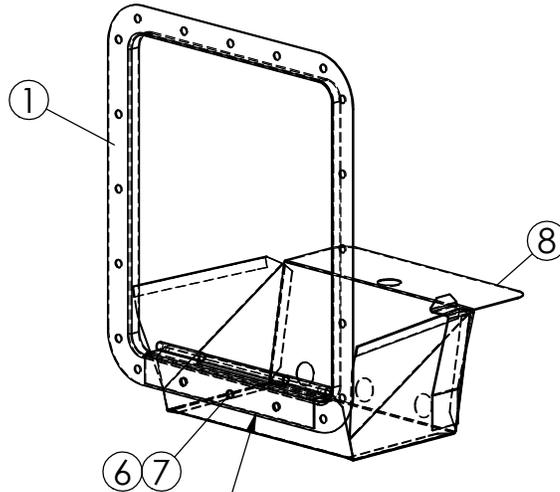
INSTALL #1 ON THE OUTSIDE OF THE TANK WITH #4 & #5 TO THE INSIDE OF #3. SECURE WITH 5/16" X 1" RND HEAD MACHINE SCREWS AND HEX NUTS WITH NUTS TO THE INSIDE OF #3. DO NOT INSTALL SCREWS IN BOTTOM THREE CENTER HOLES.



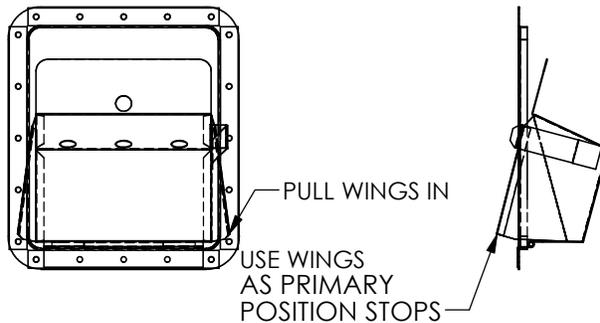
# PAN INSTALLATION & OPERATION

STEP 5:  
INSTALL PAN ASSEMBLY TO OUTSIDE OF METAL FRAME USING  
THE (3) 5/16" X 1" SCREWS AND NUTS WHICH WERE OMITTED IN  
STEP 4.

NOTE: SOME PARTS HAVE BEEN REMOVED FROM  
THIS VIEW FOR CLARITY.

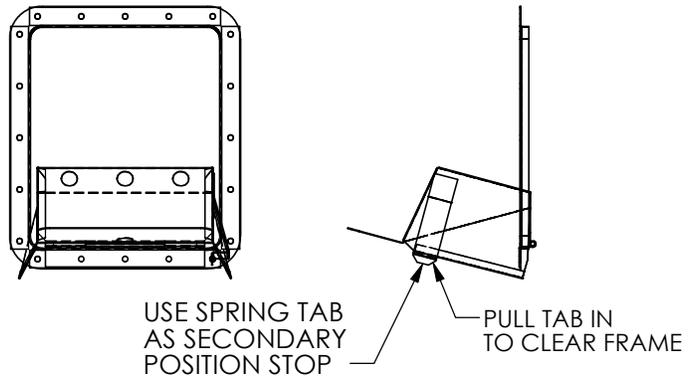


THIS PAN MOUNT ANGLE IS  
INSTALLED TO OUTSIDE OF METAL  
FRAME AS SHOWN.



## PAN CLEAN OUT

## VALVE ACCESS



## DRINKER PARTS LIST

ITEM	PART NUMBER	DESCRIPTON	QTY
1	13481	DRINKER FRAME	1
2	163666	1/8" X 3/4" MASTIC TAPE	5
3	13500	DRINKER BODY	1
4	13484	FRAME REINFORCING STRIP, VERTICAL	2
5	13485	FRAME REINFORCING STRIP, HORIZONTAL	2
6	13509	MACHINE SCREW, 5/16" X 1"	20
7	154048	HEX NUT, 5/16"	20
8	156701	PAN ASSEMBLY	1
9	13502	MACHINE SCREW, #10-24 X 2"	1
10	154074	WASHER, #10	1
11	156705	VALVE FLOAT	1
12	13503	LOCK NUT, #10	1
13	13487	FLOAT ARM	1
14			
15	156708	VALVE LINK	1
16			
17			
18			
19	156710	VALVE BODY	1
20			
21	13496	VALVE STOPPER	1
22	157483	WING NUT, #4-10 NYLON LOCK	1
23	13486	FLOAT BRACKET	1
24	13497	VALVE GASKET	1
25	156711	VALVE NUT	1
26	157535	WATER VALVE FILTER	1
27	157055	CUT-OUT TEMPLATE (OPT, IF AVAILABLE)	1

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## NEW PRODUCT WARRANTY LIVESTOCK EQUIPMENT

LIMITED WARRANTY FOR NEW SIOUX STEEL COMPANY PRODUCTS		
<p><b>A. GENERAL PROVISIONS.</b> "Sioux Steel" means Sioux Steel Company, 196 1/2 East Sixth Street, Sioux Falls, South Dakota 57104. The warranties described below are provided by Sioux Steel to the original purchasers of new products purchased from Sioux Steel or from an authorized Sioux Steel Dealer (the "Products"). Under these warranties, Sioux Steel will, at its option, repair or replace at its factory any Product covered under these warranties which is found to be defective in material and workmanship during the applicable warranty term or refund the purchase price paid for the defective Product. Customer will be responsible for labor charges for removing the defective Product and reinstalling the repaired or replacement Product, any premium charge for overtime labor requested of Sioux Steel and shipping charges to and from Sioux Steel's factory. These warranties are not transferrable.</p>		
<p><b>B. WARRANTY PERIOD.</b> Subject to exclusions and limitations set forth herein, each new Product is warranted for the number of years specified below. Each warranty term begins from the date of purchase regardless of delay in receipt of the Product by Customer due to the time required to process, handle, ship, assemble, construct and install the Product. Customer must retain proof of the date of purchase. Replacement parts for and repairs to the Product will be warranted only for the remainder of the original warranty term. The replacement parts for or repairs to the Product will not extend the warranty term beyond the original warranty term. Products described below include all parts, components and accessories.</p>		
LIVESTOCK EQUIPMENT		
All Poly Products		2 years
Post Puller/Pounder	Consumer Use	1 Year
	Commercial or Government Use	6 Months
All Other Livestock Equipment, including Bulk Bins		1 Year
<p>Exclusions specific to Livestock Equipment: Damage or loss of any kind from (1) storage of feed products that are not free-flowing or that have a density greater than 40 pounds per square foot; and (2) the storage of materials other than free-flowing livestock feed.</p>		
<p><b>C. ITEMS COVERED SEPARATELY.</b> The Sioux Steel warranties do not cover any parts, components or materials that are part of the Product, or used in conjunction with the Product, that are not manufactured by Sioux Steel. Such parts, components and materials will be subject to the warranties provided by the manufacturer, if any.</p>		
<p><b>D. WHAT IS NOT WARRANTED.</b> Sioux Steel does not warrant and is not responsible for the following: (1) used products; (2) modification or alteration of the Products; (3) Products that have not been properly installed or not installed in accordance with the instruction manual, improper assembly, or improper construction by any persons other than Sioux Steel employees; (4) depreciation, damage or loss caused by the use of parts, components or accessories not provided by Sioux Steel, unauthorized repairs, normal wear, lack of necessary and proper maintenance, a failure to follow operating instructions/recommendations, misuse, lack of proper protection during storage, vandalism or theft, exposure to the elements or corrosive materials, accidents or acts of nature including lightning, flooding, hail, straight winds and tornadoes; and (5) cosmetic damage or damage that does not hinder the functionality of the Products.</p>		
<p><b>E. LIMITATIONS OF WARRANTIES AND CUSTOMER'S REMEDIES.</b> To the extent permitted by law, neither Sioux Steel, the Dealer nor any person or company affiliated with either of them makes any warranties, representations, conditions or promises express or implied as to the quality, performance or freedom from defects of the Products covered by these warranties other than those set forth herein. THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEITHER SIOUX STEEL, THE DEALER, NOR ANY PERSON OR COMPANY AFFILIATED WITH EITHER OF THEM WILL BE LIABLE FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INCIDENTAL, SPECIAL, EXEMPLARY, CONSEQUENTIAL, LOST PROFITS AND REVENUES, LOST USE OF THE PRODUCTS OR ANY OTHER PROPERTY, BODILY INJURY OR PROPERTY DAMAGE CLAIMS OF ANY PERSON, LOST COMMODITIES, REMOVAL OR STORAGE COSTS FOR THE PRODUCTS, OTHER EQUIPMENT AND COMMODITIES, DAMAGE TO THE ENVIRONMENT ARISING FROM OR IN ANY MANNER RELATED TO ANY RELEASE OF HAZARDOUS MATERIALS, AND REMEDIATION EXPENSES THEREFORE, WHETHER BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER LEGAL BASIS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO INSTANCE WILL SIOUX STEEL, THE DEALER OR ANY PERSON OR COMPANY AFFILIATED WITH EITHER OF THEM BE LIABLE TO CUSTOMER OR ANY PERSON IN AN AMOUNT IN EXCESS OF THE PURCHASE PRICE PAID BY CUSTOMER FOR THE PRODUCT.</p>		
<p><b>F. NO DEALER WARRANTY.</b> THE DEALER HAS NO AUTHORITY TO MAKE ANY WARRANTY, REPRESENTATION, CONDITION OR PROMISE ON BEHALF OF SIOUX STEEL, OR TO MODIFY THE TERMS OR LIMITATIONS OF THIS WARRANTY IN ANY WAY.</p>		
<p><b>G. GOVERNING LAW/VENUE.</b> These warranties, and all terms set forth herein, are governed by the laws of the State of South Dakota and, where applicable, the laws of the United States of America. Any and all disputes arising from these warranties, the purchase and use of the Products, bodily injury and property damage claims or otherwise must be venued in the South Dakota Circuit Court sitting in Minnehaha County, South Dakota. Customer agrees to such venue and waives any challenge to such court's jurisdiction based upon lack of personal jurisdiction or inconvenience.</p>		
<p><b>H. SECURING WARRANTY SERVICE.</b> In order to receive warranty services, customer must give Sioux Steel written notice of a warranty claim within 30 days of the date of discovery of the defective materials or workmanship, and Customer must complete the following steps:</p>		
(1)	<p>Obtain from Sioux Steel a Return Goods Authorization Number ("RGA Number") by calling the Customer Service Department at 1-800-557-4689, and providing the following information:</p> <ul style="list-style-type: none"> <li>➤ An explanation as to why the Product is being returned.</li> <li>➤ The name of the territory representative, Dealer or Sioux Steel salesperson from whom the Product was purchased.</li> <li>➤ The Dealer's identification number.</li> <li>➤ The invoice number and date of purchase.</li> <li>➤ Customer's name, phone number, fax number, mailing address and email address.</li> <li>➤ The date that the Product will be returned.</li> </ul>	
(2)	<p>Pay the shipping charges to ship the Product to Sioux Steel's factory, and the return shipping charges.</p>	
(3)	<p>Ship the Product to Sioux Steel at 196 1/2 East Sixth Street, Sioux Falls, South Dakota 57104.</p>	