

STRIEM SAND INTERCEPTOR  
(SI-UPC-1016)

!

**WARNING**

AIR

DO NOT AIR PRESSURE TEST UNIT!

DOING SO MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, OR DEATH!

REFER TO INSTALLATION INSTRUCTIONS FOR CORRECT TESTING PROCEDURE.

Sheet Descriptions

- Sheet #1 - Series overview and Warranty information  
Sheet #2 - General installation guidelines and Operation/Maintenance guidelines  
Sheet #3 - Below Grade installation guidelines  
Sheet #4 - TeleGlide Riser installation guidelines

Leak/Seal Testing

DO NOT AIR TEST UNIT OR TELEGLIDE RISER SYSTEM! Doing so may result in property damage, personal injury or death.

**Base Unit:** To perform a leak/seal test on the base unit, cap/plug all plumbing connections, remove the cover, and fill the unit with water just above the highest connection. Inspect unit and connections for leaks. Check water level at specific time intervals per local code.

**TeleGlide Riser System:** If required by local code, the riser system may be leak/seal tested similar to the base unit. **CAUTION:** the riser(s) must be supported before filling with water to keep from tipping over. Once riser system is in place and properly supported, cap/plug all plumbing connections on the main unit, remove the cover from the top of the riser assembly and fill the unit and riser system with water to finished grade level. Carefully, as the riser(s) will be very heavy from the weight of the water, inspect all gasket(s) and clamps (if applicable) for any leaks. Check water level at specific time intervals per local code.

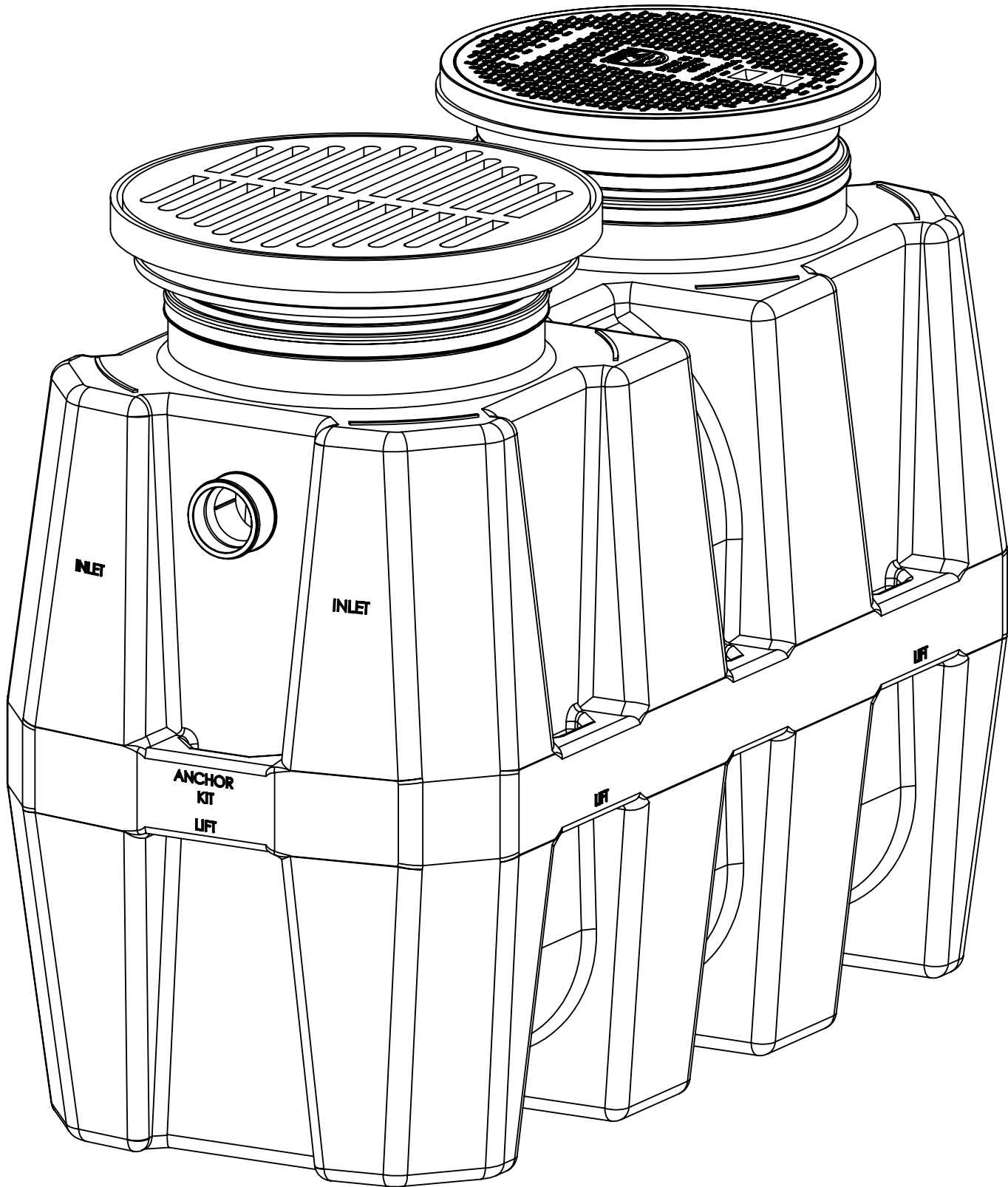
Lifetime Warranty

Effective March 2, 2015 Striem represents and warrants that HDPE products will be free from any and all defects in material and workmanship, including corrosion, during the lifetime of the plumbing system in which the Products were originally installed and will, at its option, agree to repair, replace, or supply credit to the original purchaser.

This warranty does not cover damage caused by the products' normal usage, or wear and tear, nor does it cover damage from naturally occurring phenomenon, including, but not limited to UV, freeze-related damage, or natural disasters. This warranty does not cover the purchaser's cost of routine maintenance including replacement of parts required in routine maintenance.

- This warranty does not cover fabricated steel products, or any monitoring equipment. This warranty shall be effective if, and only if, the products:
- \* Were installed in accordance with Striem's notes, specifications and instructions, for installation, operation, and maintenance;
  - \* Were installed in conformance with all applicable building and plumbing codes, and passed all applicable testing methods immediately following installation;
  - \* Have not been subjected to misuse or abuse, whether negligent or intentional;
  - \* Were never modified, repaired, or altered by any individual(s) not authorized by Striem.


This warranty is the purchaser's sole and exclusive remedy, and acceptance of this exclusive remedy is a condition of the contract for the purchase of these products. In no event shall Striem be liable for any incidental, special, consequential or punitive damages, or for any costs, attorney fees, expenses, losses or delays claimed to be as a consequence of any damage to, failure of, or defect in any products including, but not limited to, any claims for loss of profits, transportation, removal and installation charges. This warranty is exclusive and in lieu of all other warranties or conditions, written or oral, expressed or implied.



**SI-UPC-1016**  
Liquid capacity: 250 gallons  
Optional basket capacity: 7 gallons

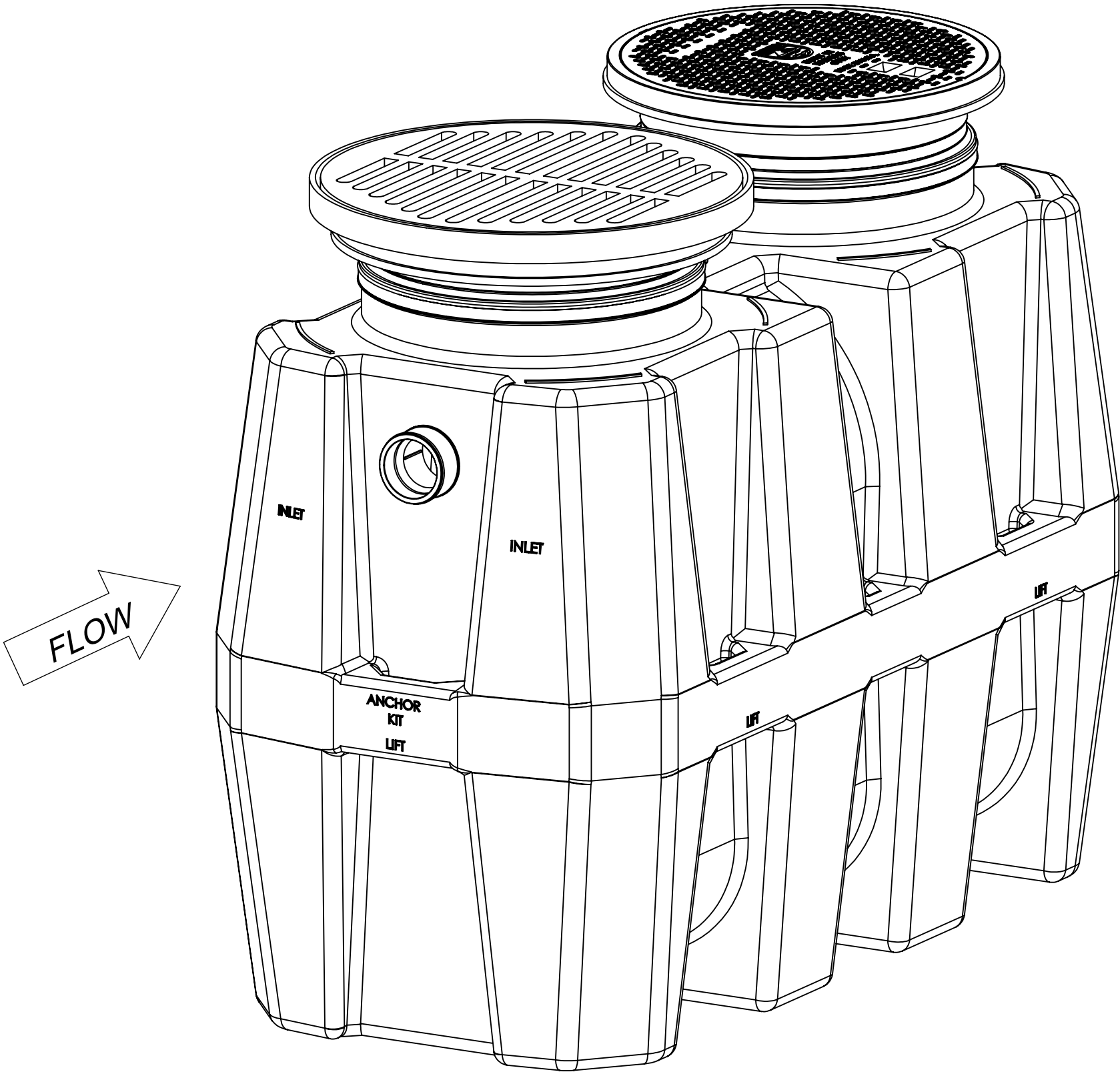
**NOTES:**  
Striem Sand Interceptypot tanks are not to be installed in any other manner except as shown. Consult local codes for separate trapping requirements, cleanout locations and additional installation instructions.

PROPRIETARY AND CONFIDENTIAL  
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<b>DESCRIPTION:</b>  SAND INTERCEPTOR INSTALLATION, OPERATION AND MAINTENANCE GUIDE				<b>Striem</b> 3100 Brinkerhoff Kansas City, KS 66115 Tel: 913-222-1500 Fax: 913-291-0457 www.striemco.com  Made in the U.S.A	
<b>SHEET NUMBER:</b> 1 of 4					
<b>DWG BY:</b> MJ	<b>DATE:</b> 02/18/19	<b>REV:</b>	<b>ECO:</b>		

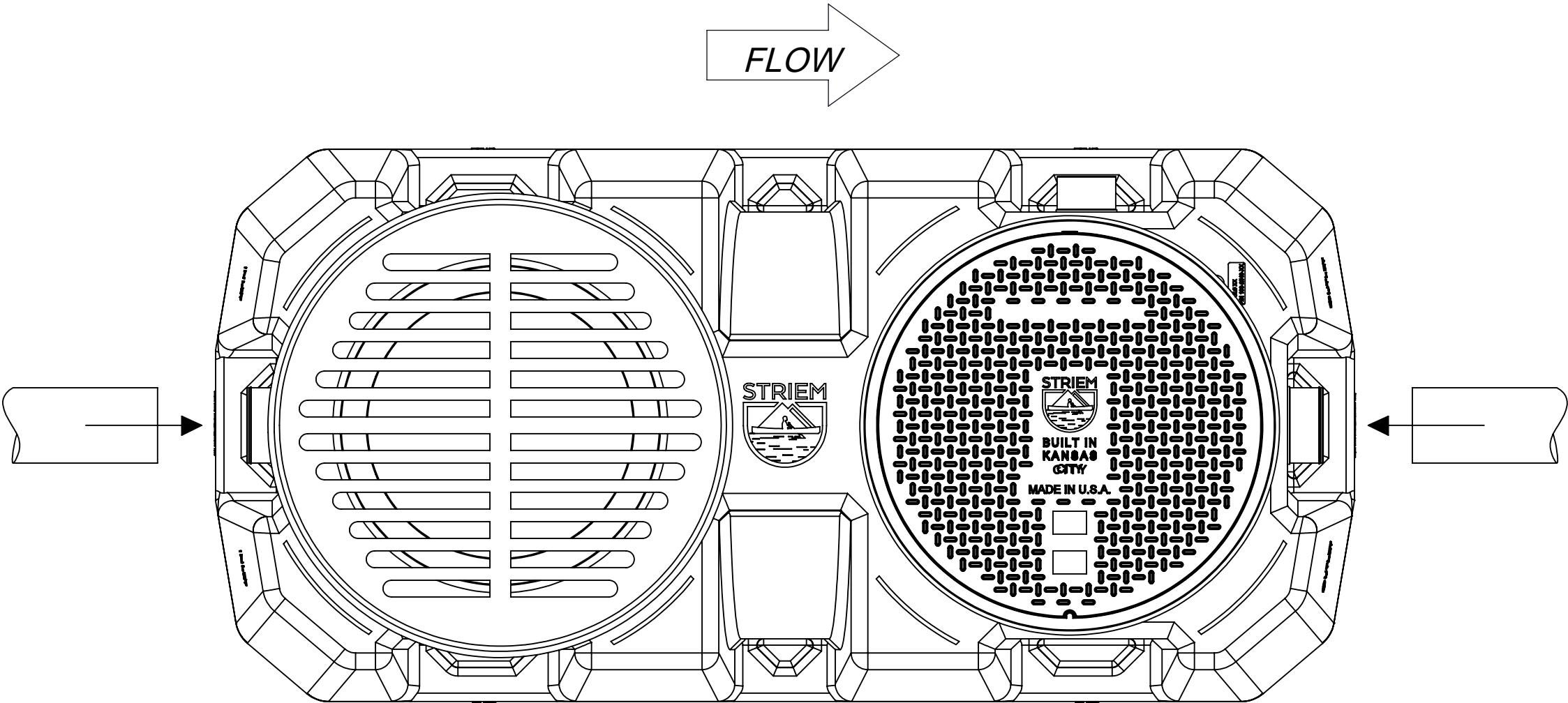


GENERAL INSTALLATION INSTRUCTIONS  
(SI-UPC-1016 SHOWN)



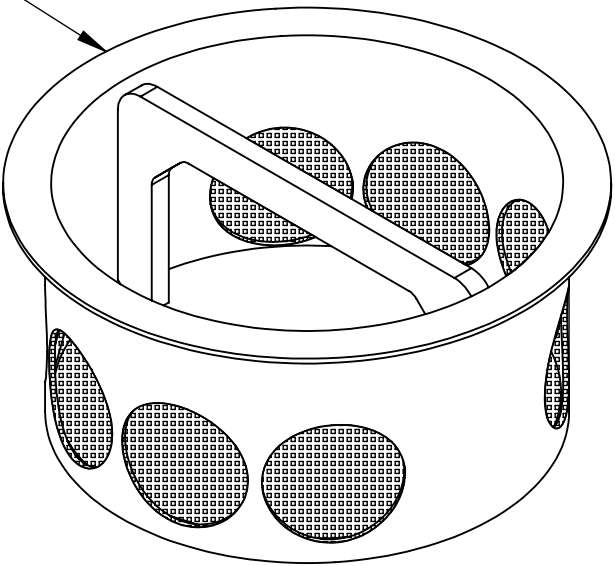
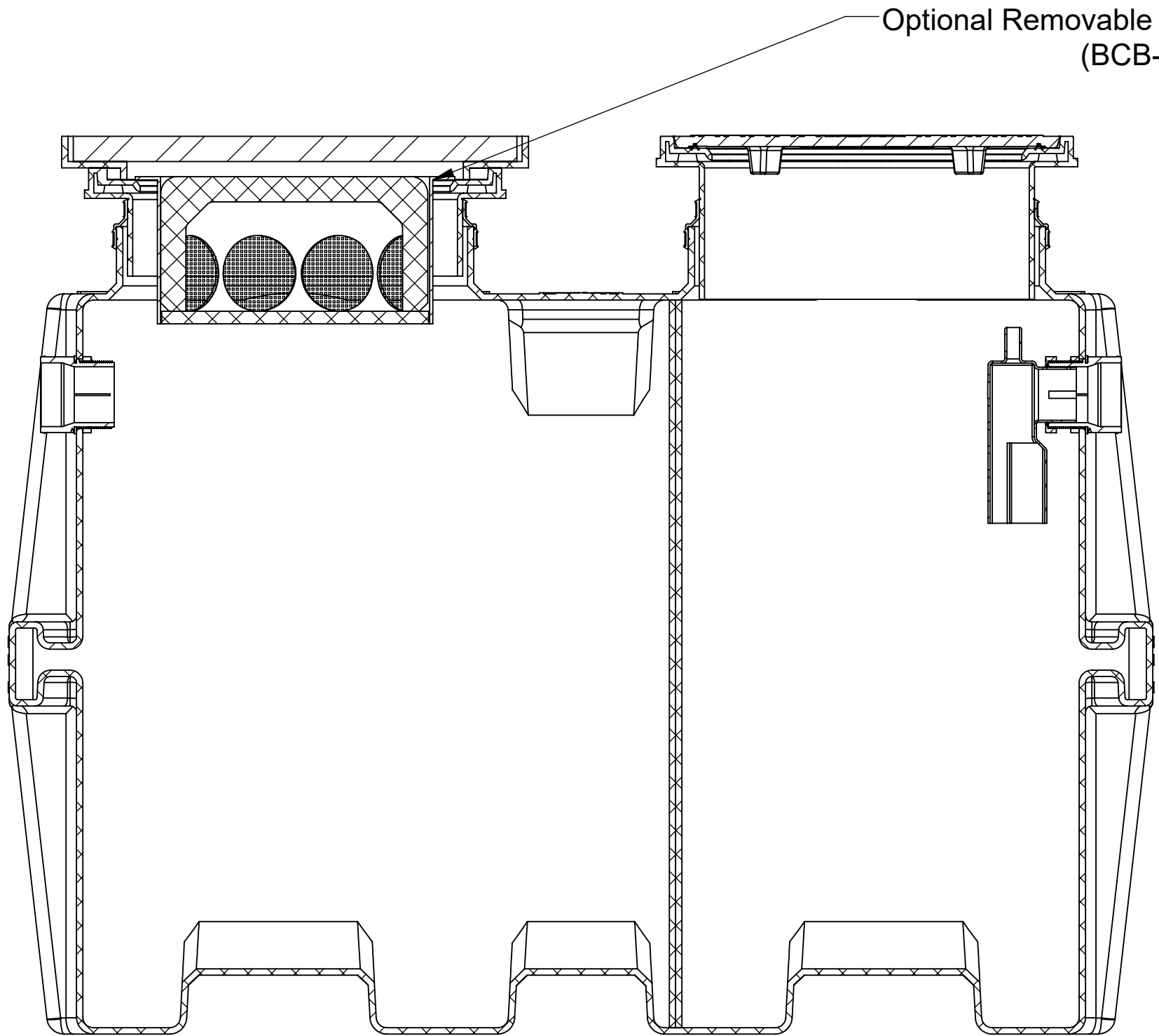
Isometric View

Set unit on level solid surface as close as possible to fixtures being served. If unit is to be installed below grade refer to below grade installation instructions. (sheet #3)



Top View

Connect inlet and outlet drainage lines to unit.  
Mechanically couple pipes to unit.  
**Do not solvent weld.**



**OPERATION**

Striem SI-UPC-1016 sand interceptors are designed to settle heavy sand and sediment that may enter the waste system. Wastewater passes through the inlet grate, or inlet connection, then enters the settling chamber where heavy debris settles before the wastewater exits through the outlet.

**MAINTENANCE**

1. Remove covers.
2. If unit has optional sediment basket, empty contents into receptacle.
3. Clean main body of the interceptor. Make sure to remove all accumulated water, debris, and sediment.
4. Clean sidewalls of any accumulated debris. Do not allow any material to enter into the plumbing system.
5. Replace optional sediment basket.
6. Replace covers. Inspect gasket on underside for wear and tear.
7. Run fixture(s) with water to fill interceptor.
8. Properly dispose of collected material.

**PUMPING FREQUENCY:**

Based upon all the variables, every solids interceptor will have to have its own maintenance schedule. A solids interceptor may have to be cleaned weekly, monthly, or annually after initial installation in order to determine optimum maintenance schedule.

**NOTES:**

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DESCRIPTION:			
SAND INTERCEPTOR INSTALLATION, OPERATION AND MAINTENANCE GUIDE			
SHEET NUMBER: 2 of 4			
DWG BY: MJ	DATE: 02/18/19	REV:	ECO:

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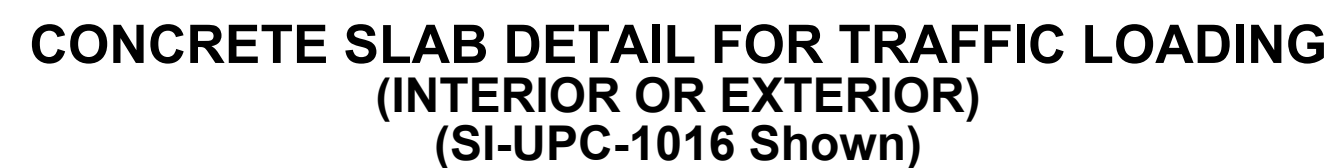
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## BELOW GRADE INSTALLATION INSTRUCTIONS

### EXCAVATION



1. Connect waste piping to the unit.



Diagram illustrating the stainless steel anchor hook assembly. The components are labeled as follows:

- Stainless steel anchor hook
- Stainless steel anchor strap
- Stainless steel Anchor plate
- Stainless hardware

1. Slide "Anchor Hook" over tie down point on end wall and bolt to Anchor Strap.
2. Bolt "Anchor Strap" to "Anchor Plate" using provided hardware
3. Hold down force achieved by backfill weight acting on Anchor Plate.
4. Anchor Plate may be bolted to concrete slab, if required, by using holes provided in Anchor Plate.

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Tools included (with base grease interceptor unit(s))

- 7/16" Nut driver tool/bit
- Silver permanent marker

Tools Needed:

- Tape measure
- Regular or cordless drill with 1/2" chuck

Tools needed if Riser(s) require cutting:

- Jigsaw or
- Cordless circular saw or
- Reciprocating saw

Riser Assembly Instructions/Steps:

- If the unit is to be installed on grade (on-the-floor), there is no need for any adjustments. the unit is ready to be put into service.
- If the unit is to be buried: Once the unit is set up so that the pipe connections line up with the jobsite piping, measure the total riser height needed from the top of the cover to finished grade. Make sure you include any future tile work, etc. that may be installed in your finished grade measurements. See figure 1.
- Select the according risers needed based off Table 1.
- If risers are needed, remove covers from the adapters and remove the adapters from the main unit by loosening the upper clamp with included nut driver bit (lower band is factory set, do not adjust or remove). On the floor near the unit, insert the adapter into the first riser until it stops. If needed, insert the bottom of the first riser into the top of second riser until it stops. You may need to tighten the upper clamps during this step to keep the risers from shifting. Adapter and riser(s) should sit level with each other. Removal of cover during this process will ease assembly.
- From the top of the adapter, measure your needed total riser height downward to the sidewall of the riser. Then, add 6" For example, if you have a SI-UPC-1016 and need a 15-1/2" extension, you would measure down from the top of the adapter 21-1/2" (15-1/2" + 6" = 21-1/2"). See Figure 2.
- Refer to Table 2 1 to determine if, and where, any cuts need to be made. If a cut needs to be made, make a circular line around the sidewall of the riser with the included silver marker at your riser height +dimension from step 5. Using a jigsaw, circular saw or reciprocating saw, cut along your line. Discard/recycle the cutoff scrap.
- Whether the riser needs to be cut or not, make another mark with the silver marker on the sidewall of the riser a distance of 4 INCHES from the edge just cut. If you did not make a cut (meaning your riser height + dimension from step 5 line was beyond the bottom edge of your riser), still mark the sidewall of the riser 4 INCHES above where your riser height + dimension from step 5 line would have been. DO NOT cut this new line. Once the riser is installed into the main unit, this new line will end up at the top of the gasket and will aid in re-assembly. See Figure 3.
- IMPORTANT: Before the next step: Make sure the diffuser is installed inside the main unit at the appropriate location. Refer to sheet 1 of the installation instructions for leak/water testing procedures.
- Take risers and adapters apart to reduce the weight during installation. Wipe all sidewalls and inside of gasket with a damp cloth to remove jobsite dust/debris. Install components into the main unit starting from the lowest (cut) riser and working your way toward the finished floor level. Upper clamps at each gasket need to be loosened or removed to aid in assembly. Once risers/adapters inserted into gasket, upper clamp can be tightened.
- Verify that the bottom of the lowest riser is protruding at least 2-1/2" but no more than 4" into the main unit from the top of the gasket. Your mark from step 7 should be at the top edge of the gasket on the main unit. If measurements were made correctly, this should happen automatically. See figure 4.
- If tilting of the adapter is required to be flush with finished grade, it must be done AFTER all clamps have been tightened with riser(s)/adaptor in a vertical and level position. Tilting is achieved by using the flexibility of the gasket. If tilting is done before clamps are tightened, a perfect gasket seal may be compromised. Striem recommends tilting only the adapter versus the entire riser assembly to make sure your riser height is maintained.
- Tighten all clamps to a minimum of 5 and a maximum of 8 ft lbs. of torque. Use the same torque as you would tighten a rubber no-hub coupling.
- The adapter must be adjusted upward to achieve certain extension heights. See Table.
- If jobsite riser height conditions change after the above steps have been completed, there may still be room for vertical adjustment in both directions. As long as minimum and maximum overlaps are maintained (see Figure 4), the adapter/riser(s) can be adjusted/cut as many times as necessary. Please follow these steps from the beginning to ensure the proper overlaps are maintained.

TeleGlide Riser (24 Series) Installation Guidelines  
(SI-UPC-1016)

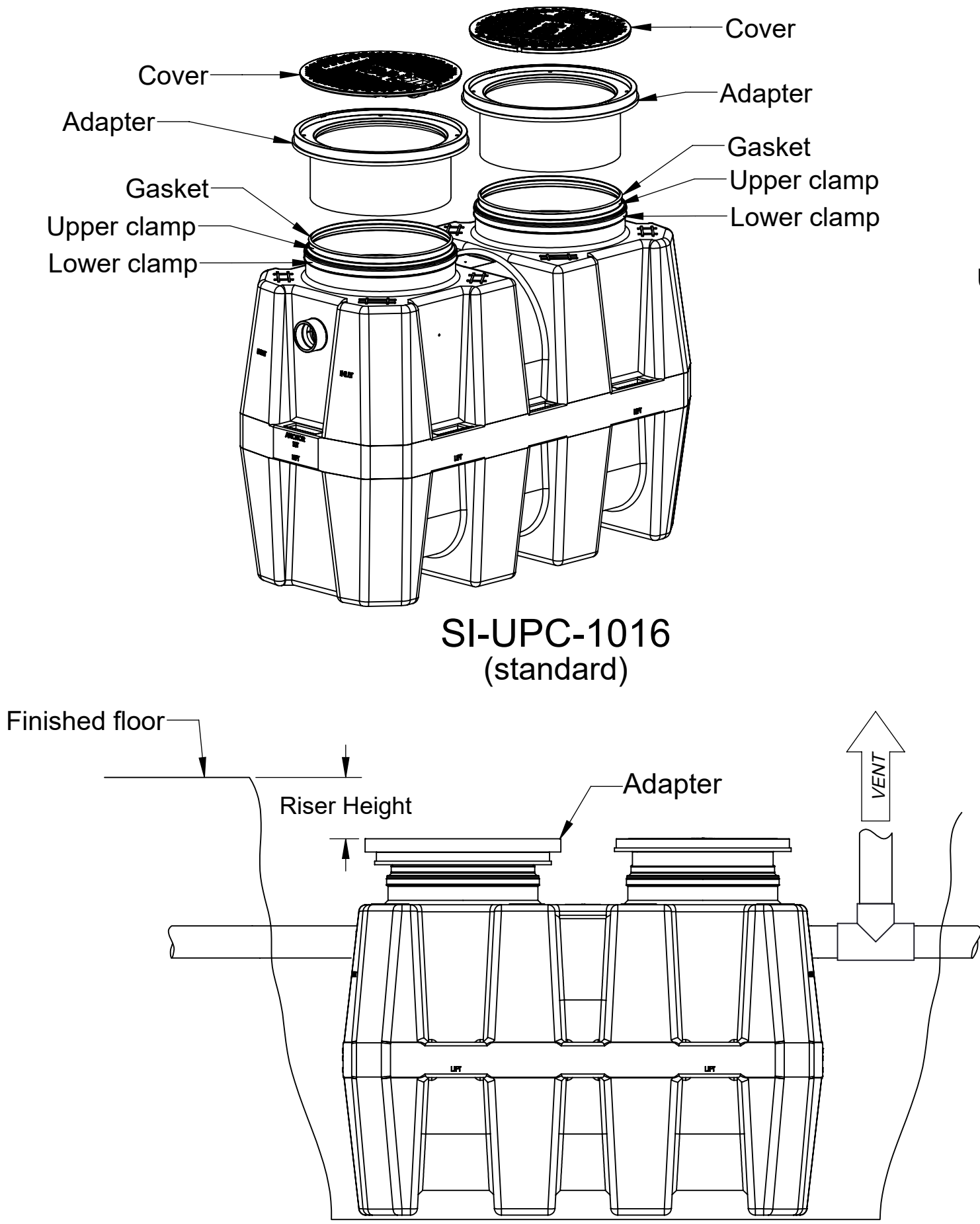


Figure 1

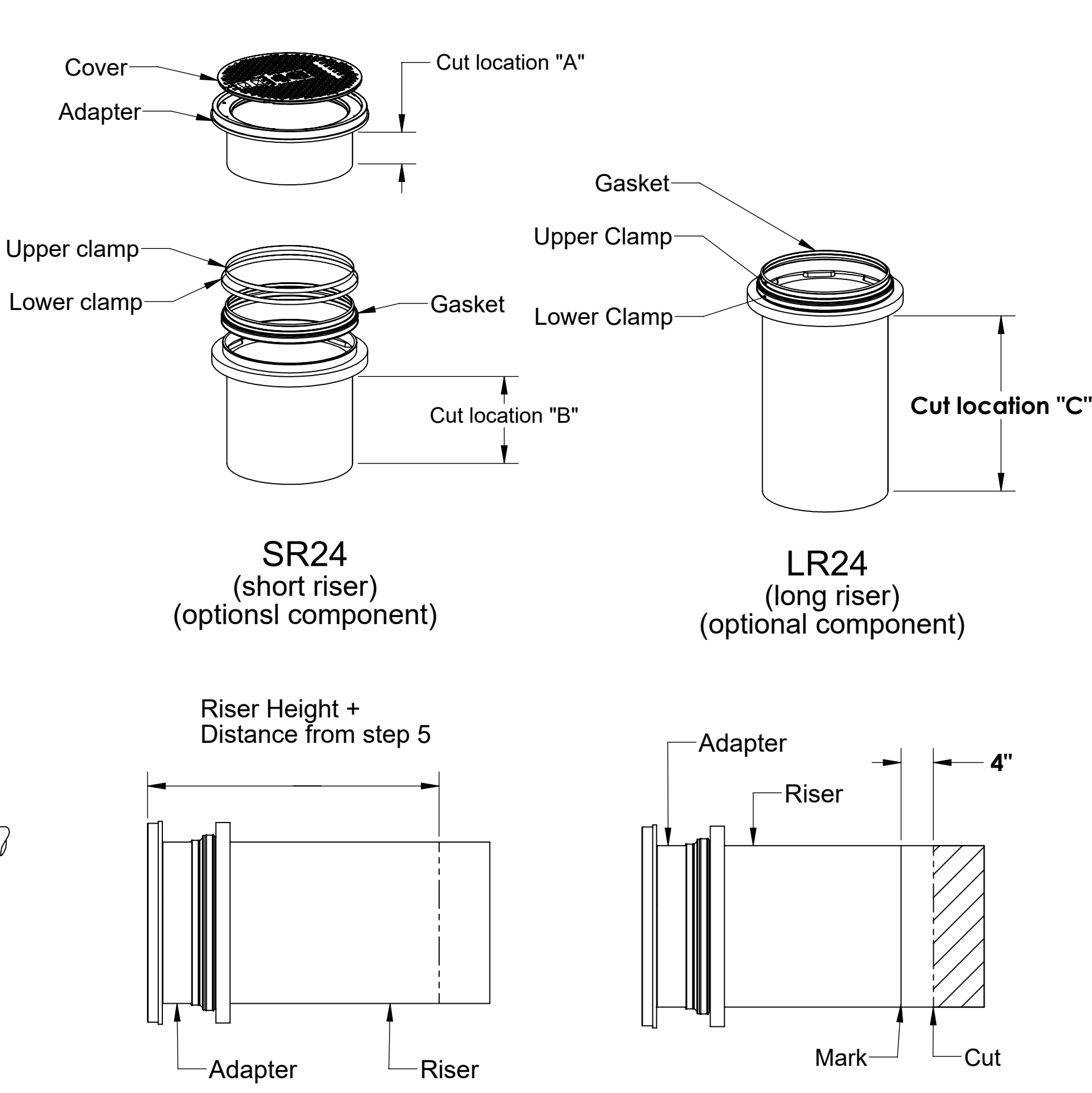


Figure 2

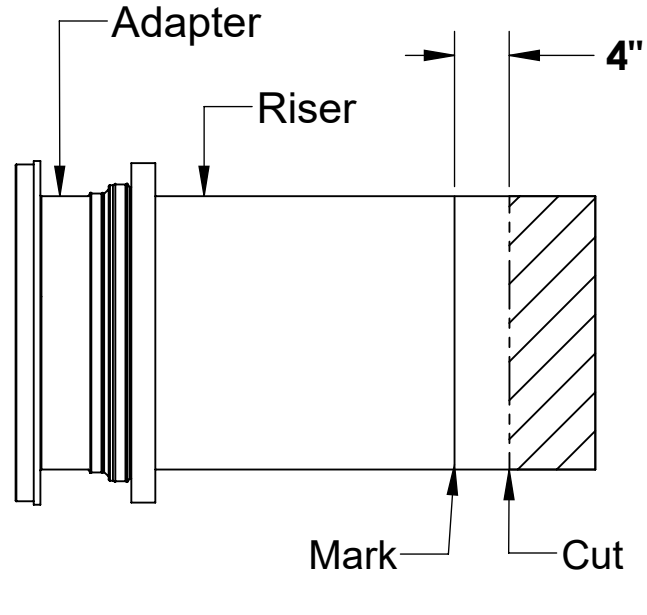


Figure 3

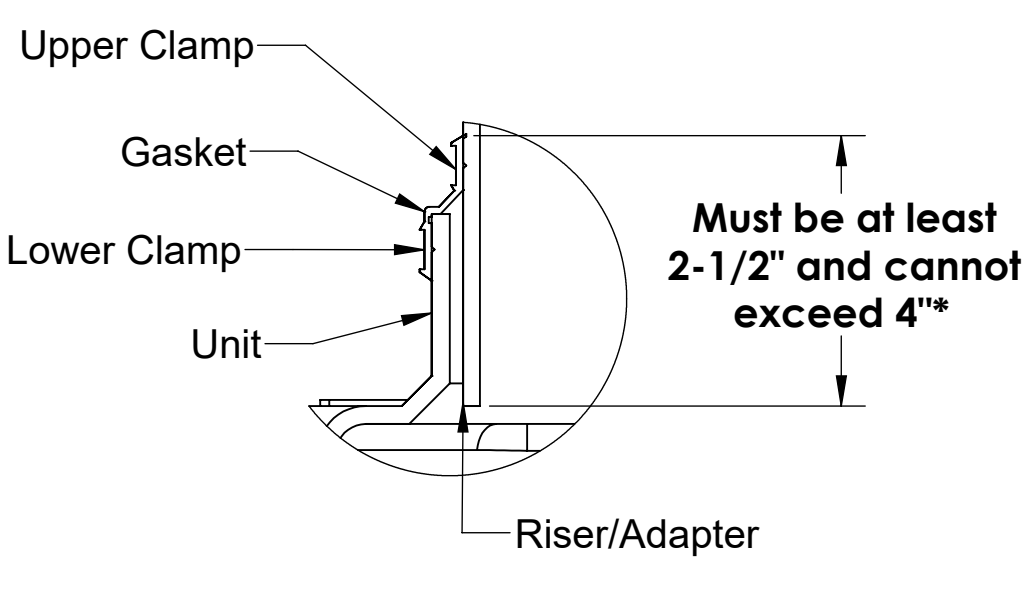


Figure 4

Table 1 (SI-UPC-1016)			
Riser Height Needed	Riser P/N Needed	Riser Qty. Needed	Cut Location(s)
0" to 3-1/2"	None	0	None
>3-1/2" to 5-3/4"	SR24	2	a,b
>5-3/4" to 17-1/4"	SR24	2	b
>17-1/4" to 21-1/2"	SR24	2	None <sup>1</sup>
>21-1/2" to 32-1/2"	LR24	2	c
>33-1/2" to 36-1/2"	LR24	2	None <sup>2</sup>
>36-1/2" to 40-1/2"	SR24	4	b
>40-1/2" to 49"	SR24	2	c
	LR24	2	
>49" to 55-1/2"	SR24	2	None <sup>3</sup>
	LR24	2	
>55-1/2" to 64"	LR24	4	c
>64 to 70"	LR24	4	None <sup>4</sup>

- Adjust adapter upwards to reach 19-1/2" to 21-1/2"
- Adjust adapter upwards to reach 34-1/2" to 36-1/2"
- Adjust adapter upwards to reach 53-1/2" to 55-1/2"
- Adjust adapter upwards to reach 68" to 70"

Call Striem with questions or suggestions @ 1-913-222-1500 Customer Service Hours: 8AM-5 PM CST

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OPERATION AND MAINTENANCE GUIDE

SHEET NUMBER: 4 of 4

DWG BY: MJ

DATE: 02/18/19

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