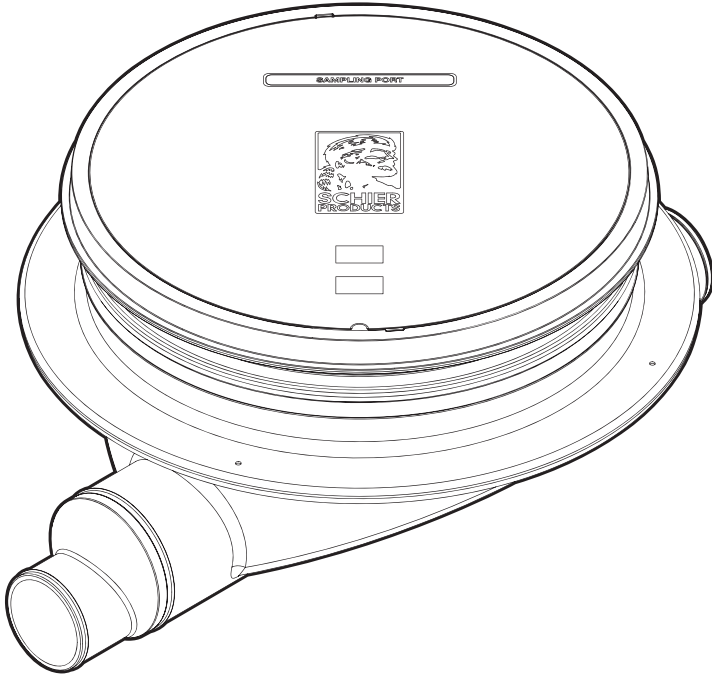

INSTALLATION GUIDE

SV24 Wastewater Sampling Port



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Special Precautions	2
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SCHIER



SPECIAL PRECAUTIONS

For Schier SV24 Sampling Port Installations – Failure to follow this guidance voids your warranty

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

⚠ CAUTION! Do not install this unit in any manner except as described in these instructions.

Read all instructions before installation

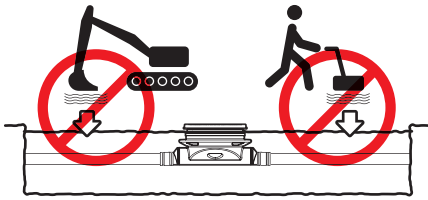
Install in conformance with all local codes

Installation Instructions

Installation instructions and additional components are included with the sampling port. Read all instructions prior to installation. This sampling port is intended to be installed by a licensed plumber in conformance with all local codes.

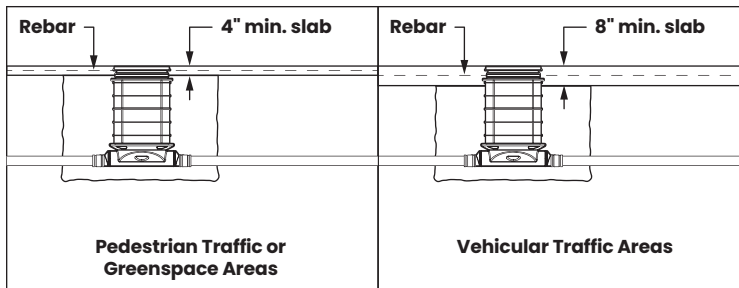


DO NOT COMPACT BACKFILL



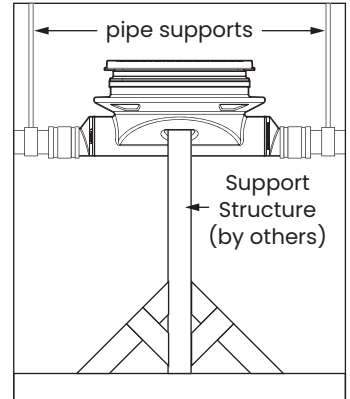
Below Grade Installation Slab Requirements

A concrete slab to finished grade with rebar is required when installing interceptor below grade.



Above Grade Installation Additional Support

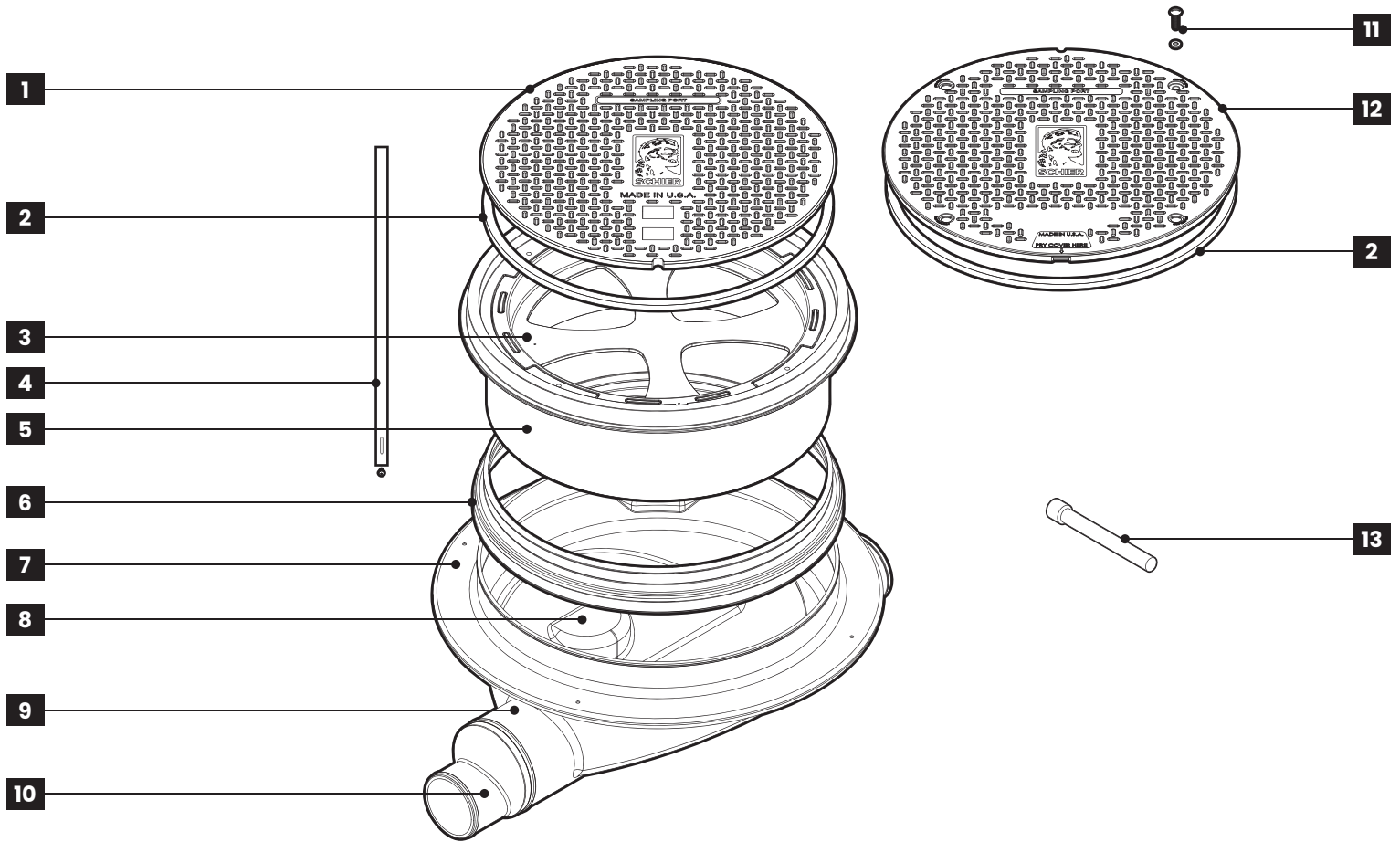
To prevent connection failure or damage to fittings, ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during entire installation process. To prevent unit tipping, above grade installations must be supported by a platform or trapeze (not included) that contacts the unit at the built-in Support Detents.



DO NOT USE CAST IRON COVERS IN ABOVE GRADE OR INDOOR INSTALLATIONS



GETTING TO KNOW THE SV24



- | | | |
|--|---|--|
| <ul style="list-style-type: none"> 1. Pickable Cast Iron Cover (standard) 2. Cover Gasket 3. Safety Star 4. Safety Star Tether 5. Cover Adapter | <ul style="list-style-type: none"> 6. Cover Adapter Gasket Assembly(x2) with Upper and Lower Stainless Steel Band Clamps 7. Sampling Port Body 8. Above Grade Support Detents (x2) 9. 6" Plain End Connection (achieved by cutting off the 4" connection at the trim line) (x2) | <ul style="list-style-type: none"> 10. 4" Plain End Connection (standard) (x2) 11. Composite Cover Bolts and Washers (x4) 12. Bolted Composite Cover (optional) 13. 7/16" Nut Driver Bit |
|--|---|--|

BURIED INSTALLATION

Special Precautions

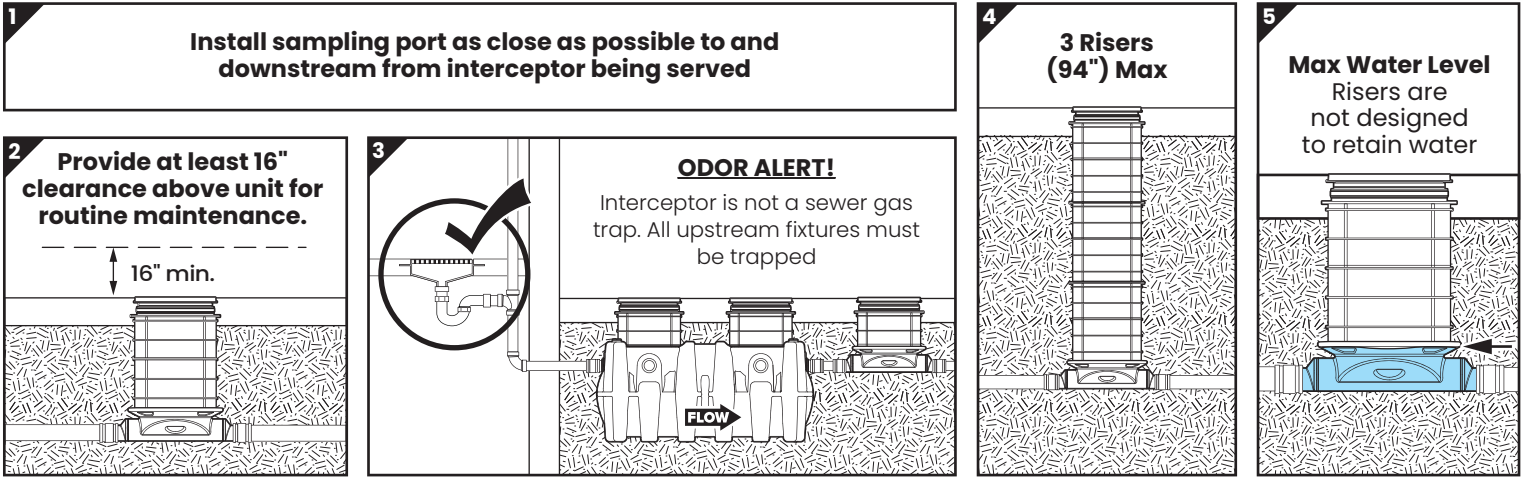
1 Install sampling port as close as possible to and downstream from interceptor being served

2 Provide at least 16" clearance above unit for routine maintenance.
16" min.

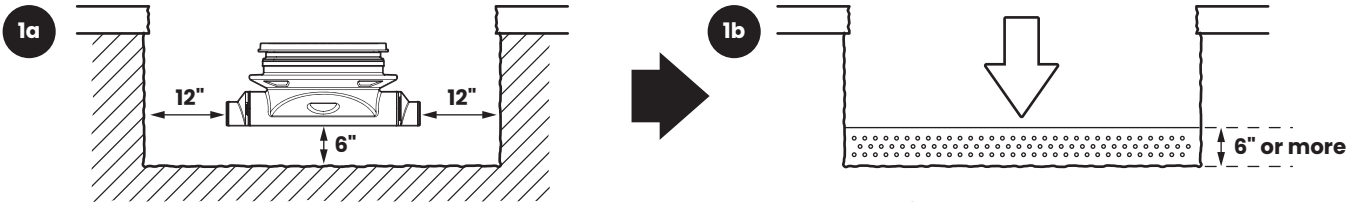
3 **ODOR ALERT!**
Interceptor is not a sewer gas trap. All upstream fixtures must be trapped

4 3 Risers (94") Max

5 **Max Water Level**
Risers are not designed to retain water



1 Excavate Burial Pit

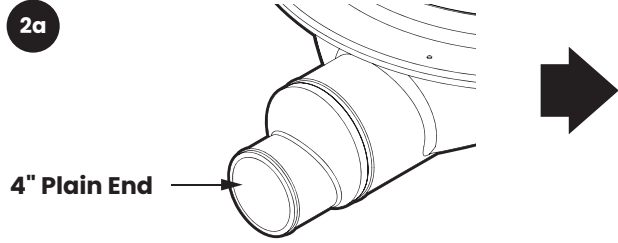


Excavate hole at least 12" larger than sampling port on all sides and 6" deeper than port bottom.

Lay a level bed of well-packed, crushed aggregate (approximately 3/4" size rock or sand, with no fines) in the base of hole.

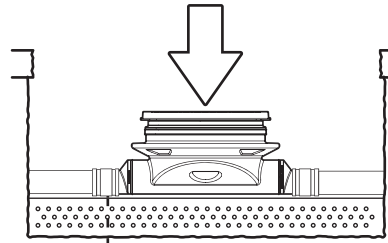
BURIED INSTALLATION

2 Connect Piping

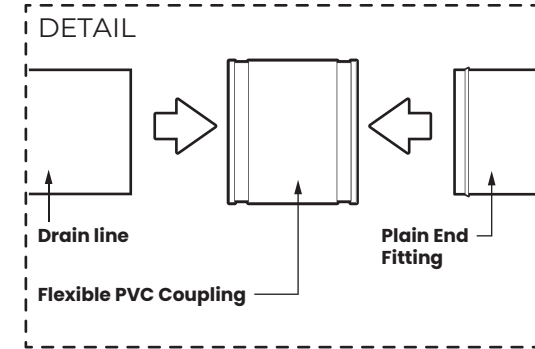


The SV24 sampling port comes from the factory ready to connect to 4" drain lines.

2b

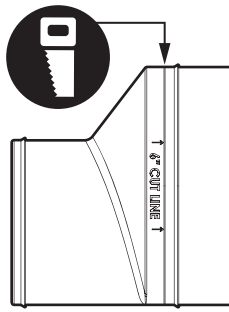


Lower unit into pit and set level. Mechanically couple inlet and outlet drainage lines to unit. **Do not solvent weld.** Vent per local code.



6" Connections Only

Cut off the 4" connections at the premarked cut lines. Remove any burrs from the cut.



3 Wet or Air Test Piping Per Local Code

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



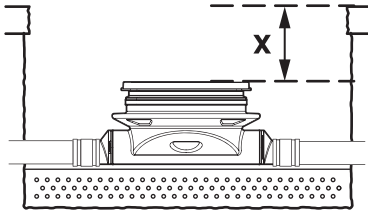
Have a Leak? Call customer care at 913-951-3300
Hours 8am-5pm CST, M-F

BURIED INSTALLATION

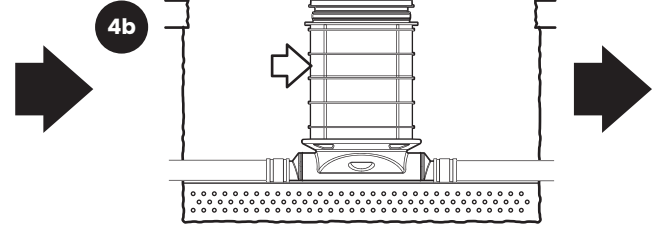
4 Bring Cover Flush-to-Grade

The SV24 is ready for burial depth of 16" from finished grade to bottom of unit (or 13-1/2" to centerline of inlet). Deeper burials will require extending the Cover Adapter and possibly adding risers.

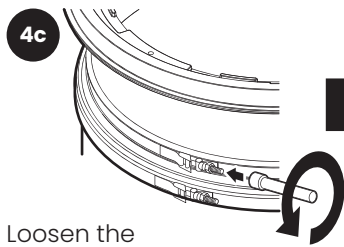
4a Measure dimension X to determine riser height needed.



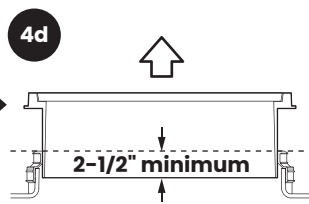
Riser Height Needed	Risers Required
0" - 4"	None (use adapter)
>4" - 34"	FCR2 (x1)
>34" - 64"	FCR2 (x2)
>64" - 94"	FCR2 (x3)



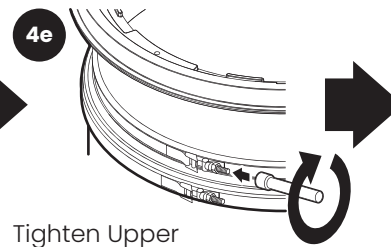
Install riser(s) if required (see instructions included with FCR2).



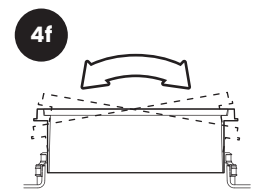
Loosen the Cover Adapter Upper Band Clamp using 7/16" Nut Driver Bit.



Adjust Cover Adapter height as needed. **Maintain a minimum 2-1/2" insertion depth.**

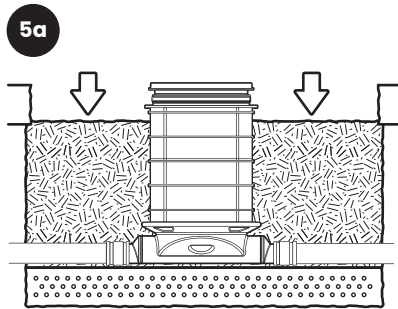


Tighten Upper Band Clamp to 5 -8 ft. lbs. of torque using 7/16" Nut Driver Bit.

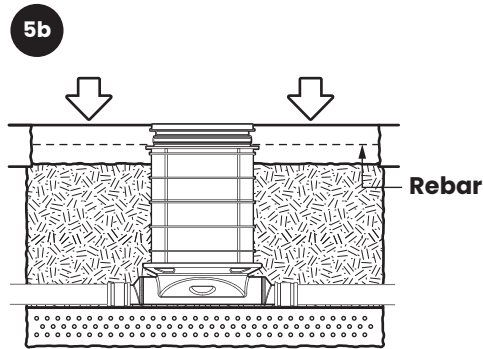


If required, Cover Adapter may now be tilted up to 10° in any direction using gasket flexibility.

5 Backfill and Finished Grade



Backfill evenly around tank using crushed aggregate (approximately 3/4" size rock or sand with no fines) or flowable fill. **Do not compact backfill around unit.**



Pour concrete slab to finished grade.

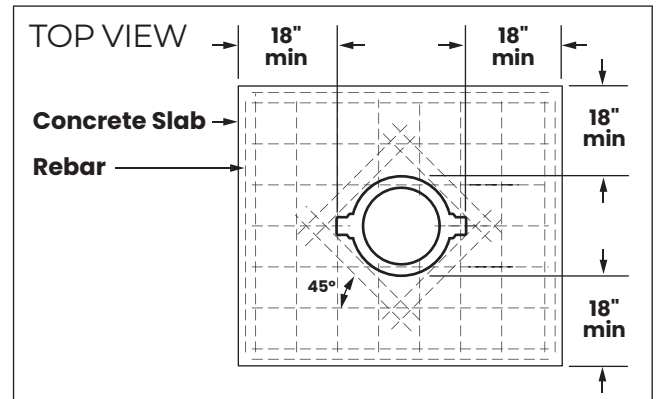
5b1

Vehicular Traffic Areas:

Minimum 8" thick concrete slab with rebar required. Thickness of concrete around covers to be determined by specifying engineer. If traffic loading is required the concrete slab dimensions shown are for guideline purposes only. Concrete to be 28 day compressive strength to 4,000 PSI. Use No. 4 rebar (ø 1/2") grade 60 steel per ASTM A615; connected with tie wire. Rebar to be 2-1/2" from edge of concrete and spaced in a 12" grid with 4" spacing around access openings.

Pedestrian Traffic or Greenspace Areas:

Minimum 4" thick concrete slab with rebar required.



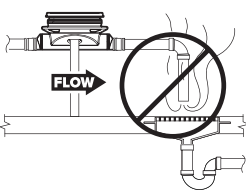
ON THE FLOOR INSTALLATION

Special Precautions

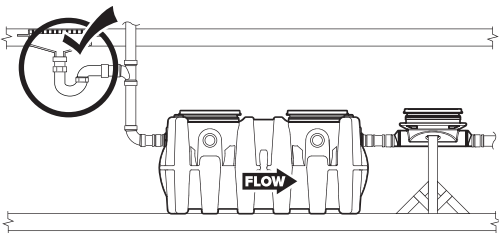
1 Install sampling port as close as possible to and downstream from interceptor being served

2 Use composite cover C24H2 only for above grade installations

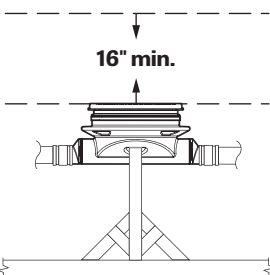
3 **ODOR ALERT!**
Do not install air gap on outlet side of sampling port.



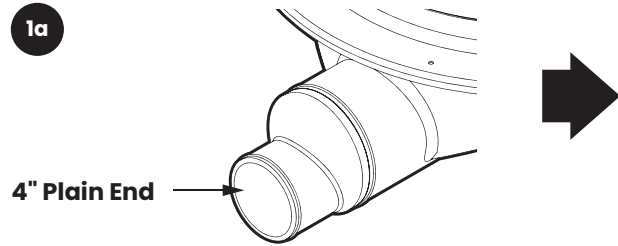
4 **ODOR ALERT!**
Sampling port is not a sewer gas trap. All upstream fixtures must be trapped.



5 Provide at least 16" clearance above unit for routine maintenance.



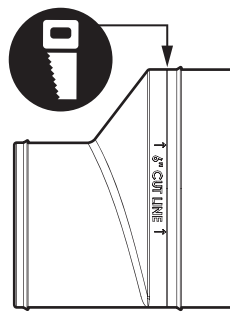
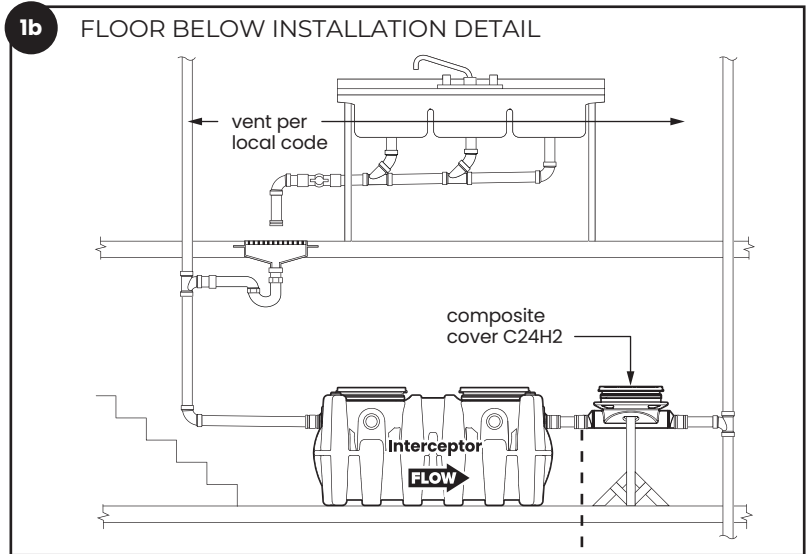
1 Connect Piping



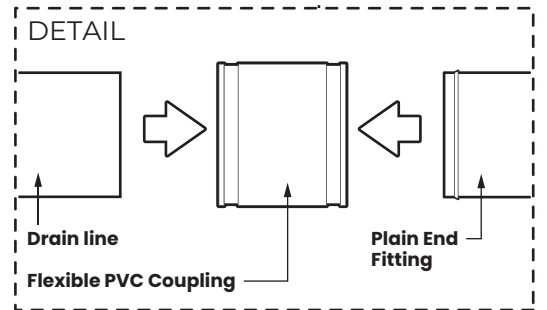
The SV24 sampling port comes from the factory ready to connect to 4" drain lines.

6" Connections Only

Cut off the 4" connections at the premarked cut lines. Remove any burrs from the cut.

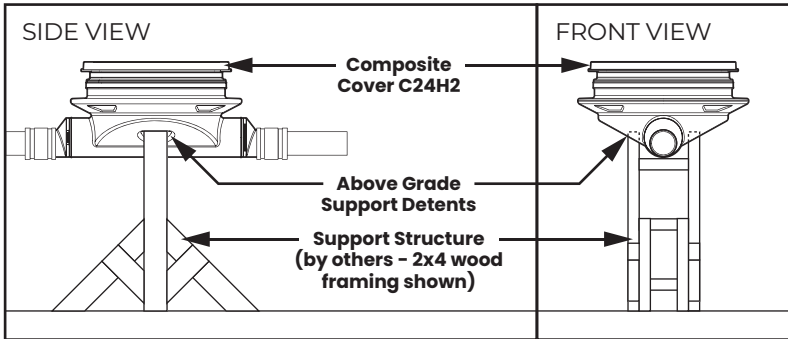
Mechanically couple inlet and outlet drainage lines to unit. **Do not solvent weld.** Ensure all upstream fixtures are trapped. Vent per local code.



ON THE FLOOR INSTALLATION

2 Install Above Grade Support (by others)

To prevent tipping and damage to drain line connections, SV24 above grade installations must be supported by a structure (not included) built on-site. The support structure may be a platform or trapeze that contacts the sampling port at the built-in Above Grade Support Detents and is able to hold the weight of the unit.



3 Wet or Air Test Piping Per Local Code

⚠ WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM!
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Leak? Call customer care at
913-951-3300
8a - 5p M - F CST