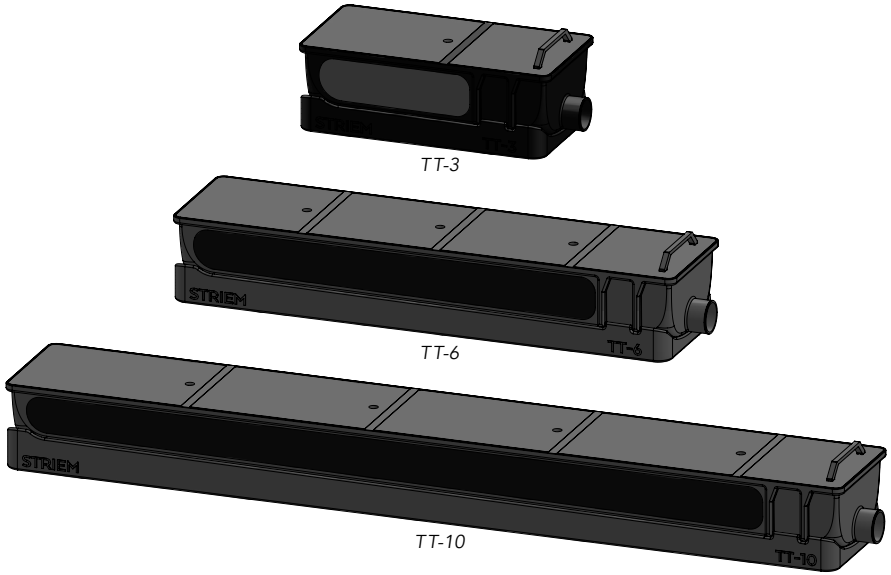
TUFF TROUGH™
WASHER DRAIN TROUGH
Installation, Operation, & Maintenance Guide



TUFF TROUGH
WASHER DRAIN TROUGH

OVERVIEW
Striem Tuff Trough is a polyethylene drain trough intended for above- or below-grade installation. It is designed to act as a reservoir for commercial washing machine discharge, while removing and capturing solids from the waste stream, keeping them from entering the sewage system.

OPERATION
Commercial washing machines discharge solids laden wastewater into the Tuff Trough through the inlet connections. As solids laden wastewater moves through the unit via the internally sloped floor, the solids are removed and captured by the primary filter screen and secondary filter screen, preventing them from entering the sewage system.

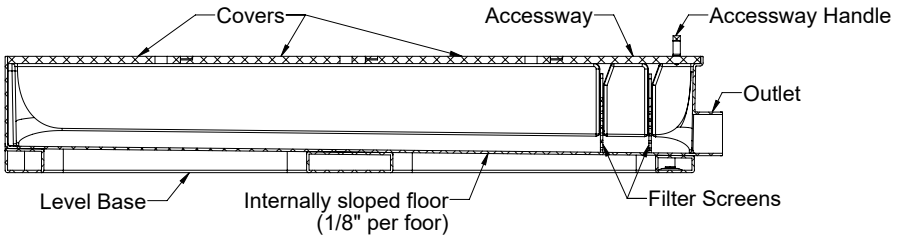
LIFETIME WARRANTY
Our products are designed to last the lifetime of the plumbing system in which they are installed. If they don't, we will repair or replace them at no charge. Product damage due to normal wear and tear may be repaired or replaced at a reasonable charge. See website for full details. FAILURE TO INSTALL IN ACCORDANCE WITH THE INSTALLATION, OPERATION, AND MAINTENANCE GUIDE WILL VOID YOUR WARRANTY.

MAINTENANCE

1. Always take proper care to ensure a safe and healthy environment while maintaining the Tuff Trough.
2. Lift and pull accessway to maintain filter screens.
3. Remove primary filter screen and sweep the remaining solids to the secondary filter screen.
4. Clear primary filter screen of debris and reinsert in Tuff Trough.
5. Remove solids from trough before removing secondary filter screen.
6. Clear secondary filter screen of debris and reinsert in Tuff Trough.
7. Reinsert accessway into Tuff Trough

TROUBLESHOOTING TIPS
Slower than usual drainage may indicate a blockage and a need to maintain the Tuff Trough. Ensure the filter screens and drain lines are cleared of all debris.

Effluent flow fouled with solids may indicate that the Tuff Trough has exceeded the maximum solids capacity. In the presence of solids in the effluent flow, maintain the unit immediately.



WARNING: FAILURE TO INSTALL IN ACCORDANCE WITH THE INSTALLATION, OPERATION, AND MAINTENANCE GUIDE WILL VOID YOUR WARRANTY.

LIFETIME GUARANTEED

913-222-1500 HELP@STRIEMCO.COM STRIEMCO.COM

CUSTOMER SERVICE HOURS: 8 AM - 5 PM CST

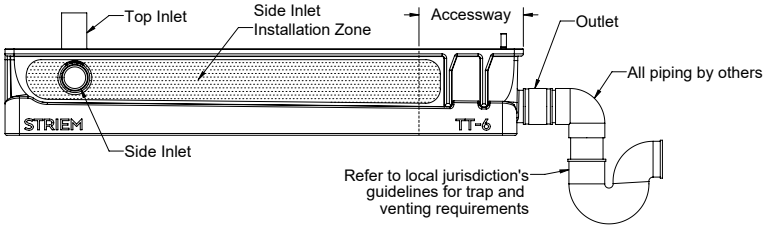
MADE IN THE USA
* BUILT in * KANSAS CITY

2/12/26

ABOVE GRADE INSTALLATION INSTRUCTIONS

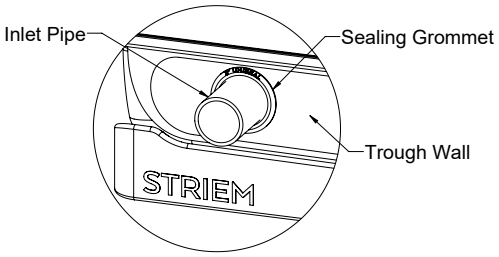
UNIT INSTALLATION

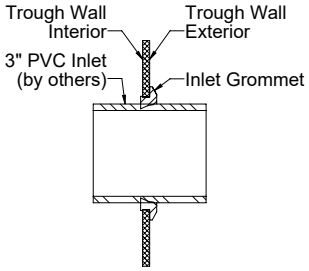
1. Install unit on level floor with access to washer discharge.
2. Inlets may be installed on the side wall or through the covers of the Tuff Trough.
3. Side inlet connections must provide a watertight seal to the Tuff Trough.
4. Striem offers an Inlet Grommet (IG) for easy watertight inlet installation.
5. Side inlet connections must remain inside the side inlet installation zone; top inlets must not interfere with the accessway or tank crossbars.
6. Connect waste piping to outlet.
7. Refer to local jurisdiction's guidelines for trap and venting requirements.



INLET GROMMET INSTALLATION

1. Locate fitting locations.
2. Use a 4.00" (102mm) hole saw to drill inlet hole in Tuff Trough.
3. Remove burrs from hole edge.
4. Insert sealing grommet into the hole, ensuring the grommet sits flush with the tank wall.
5. Lubricate the end of the pipe and insert a minimum 1" into the grommet.





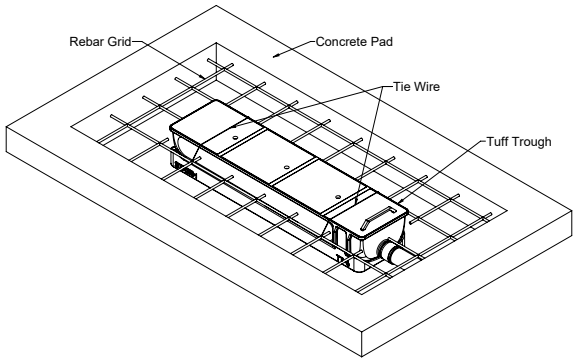
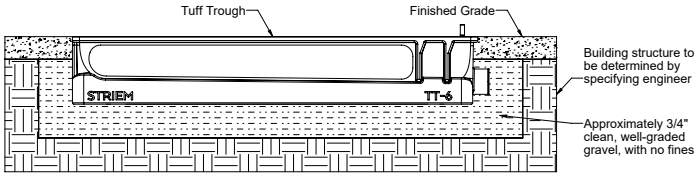
BELOW GRADE INSTALLATION INSTRUCTIONS

EXCAVATION

1. Install Tuff Trough no deeper than the cover being level with finished grade.
2. Surrounding soil must be undisturbed native soil or well compacted engineering fill.
3. Striem recommends excavation to be minimum 6" greater than the Tuff Trough on all sides, when available.

UNIT INSTALLATION

1. Unit must be installed on level floor in excavated hole.
2. Lower and center the unit into the excavated hole. Do not use chains to move the unit.
3. Ensure unit cover is level with finished grade.
4. Connect outlet piping to the unit.
5. Refer to local jurisdiction's guidelines for trap and venting requirements.
6. After backfilling and finishing concrete slab, install inlet connections through unit cover.

BACKFILLING & FINISHED CONCRETE SLAB

1. Before backfilling and pouring of slab, ensure cover is installed on the unit to protect interior from debris.
2. Striem recommends placing a shim between cover and side-wall to prevent pinching during concrete slab installation.
3. Cardboard or other disposable material can be taped to the cover to provide a cleaner finish.
4. Trough must be secured during concrete pour to prevent float out. Striem recommends using rebar tie wire to provide adequate hold down force on the trough.
5. Backfill using 3/4" clean, well-graded gravel, with no fines (AASHTO M43 #57 Stone or similar). **Native soil, sand, and CLSM (aka, slurry or flowable fill) are not acceptable backfill materials.**
6. Thickness of concrete around cover to be determined by specifying engineer.
7. After concrete has solidified, cut tie wire flush with grade.