



Design and Installation Guide for Clog-Free™ Strainer Technology Trough

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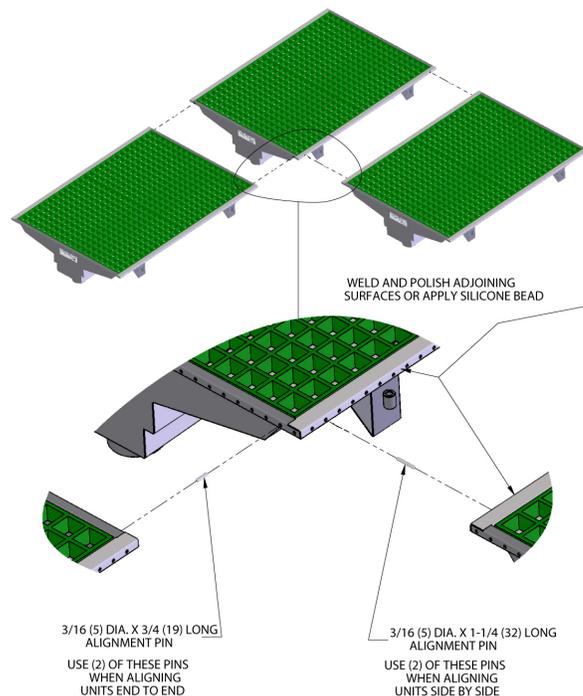
INTRODUCTION

The installation of the Clog-Free™ Strainer Technology trough is straightforward and can be accomplished with normal construction materials and techniques. The following assumes installation in a slab on grade condition, although the Clog-Free™ Strainer Technology trough can be installed in other conditions, as well.

DESIGN AND INSTALLATION OF SYSTEM

Setting the Troughs

- The opening blocked out in the slab to receive the unit must be 8" (203) larger, on each side of the unit for access to leveling legs and water connection for self washing option. The area can then be dry packed with concrete to fill the void. Dry packing concrete will give better support to unit edges and much better control of final installed unit heights.
- **Do not install stainless steel floor units as part of an integral pour.** Size SF-3 units and above are shipped from the factory with supports included. The supports should be installed and left in place until after installation in the concrete is complete. Failure to do so may cause sides of the unit to distort inwards and result in the grates not fitting properly.
- The unit should be set to allow the top of the unit to be level with the top of the finished floor. The turned down edge is not a height guide for tile installation.
- It is important that the module itself be level even if the surrounding floor is not. To be safe, do not assume the surrounding floor is level. The units have threaded leveling legs to allow alignment of the top of the units with finished floor.
- When installing the units end to end or side to side, alignment pins are provided to ensure unit to unit alignment. It is recommended that the seams be welded together in the field. Silicone caulk between the seams can be used as an alternative.

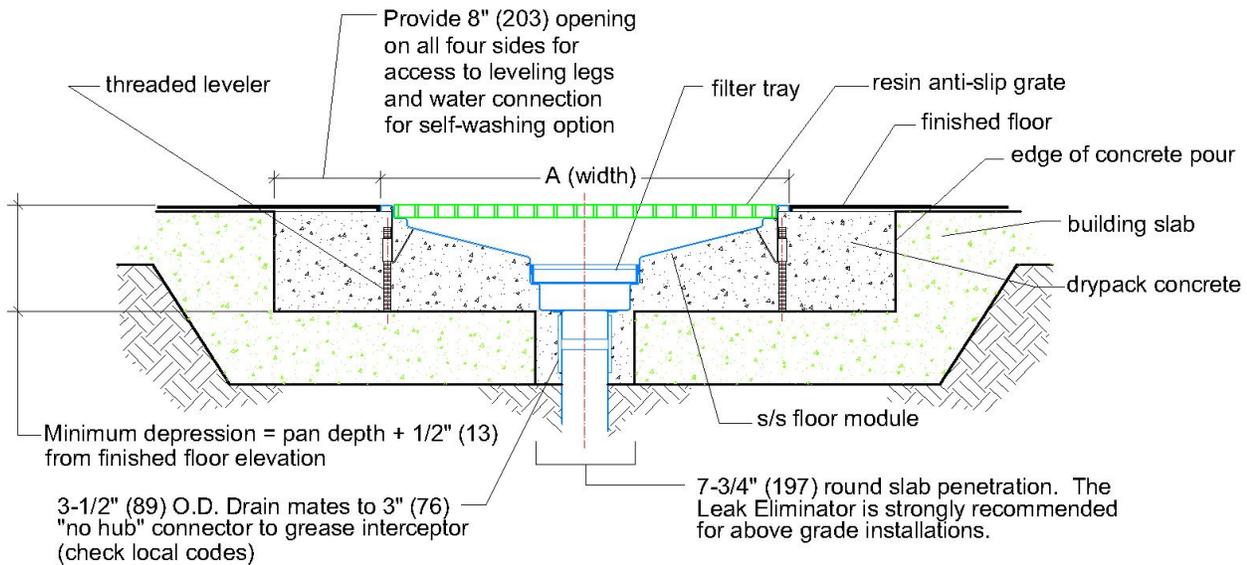


- In the event that units are being installed side by side rather than end to end, it is particularly important to be certain that all edges of the units are completely supported by the final concrete.
- Epoxy grout should be used in the grout lines in the areas immediately adjacent to the Clog-Free™ Strainer Technology troughs. Normally, this will prevent much of the cracking of grout that occurs in any kitchen environment.
- Once the trough is installed, it is recommended that sections of 3/4" (19) plywood be cut and installed to protect the system and minimize damage to the grates during the completion of construction. The plywood should be cut to fit the pans snugly and fitted before the final concrete pour to avoid bending of the top of the pans during construction.

Installations at Multi-floor Locations

Installations in multi-floor applications will require additional care to maintain the integrity of the typically required Fire Rating. In new construction applications utilizing steel decking, this can normally be accomplished by lowering the steel decking in the bay receiving the Clog-Free™ Strainer Technology trough, similar to the installation of a floor sink or standard floor trough. The leveling legs should be securely welded to the deck before the concrete pour. Unit must be level.

Wood frame applications can often utilize rim joisting for unit support.



Section
not to scale

The above section would be applicable in smaller slab on grade installations when a depressed slab is not being used. In that case a perimeter of 8" (203) would be provided around the units and then the units would be set in place after the surrounding slab has been poured. Then, with the leveling legs in place, the perimeter void would be filled with dry packed concrete. It should be confirmed with the structural engineer if there should be any thickening of the concrete slab at the perimeter of the openings.

MAINTENANCE OF THE SANI-FLOOR SYSTEM

Basin

- If a light grease buildup is noticed on the stainless steel basin, a commercial degreaser should be hand sprayed occasionally before refitting the grates. Let it sit, then rinse the trough.

Strainer Tray

- For proper performance, it is recommended that the system strainer trays be cleaned once each shift. Depending on location, this interval may be adjusted. The unit is designed to allow water to pass through the collected refuse, but it must still be monitored.
- **Important Note:** The strainer trays should not be cleaned by striking the tray against the trash container. Any remaining residue should be rinsed or brushed off. It is not delicate, just use reasonable care.

Grates

- Anti-fatigue Grating (standard)
The slight flexing of the standard grates is intentional to provide an anti-fatigue working platform.
- Heavy-Duty Grating (optional)
Heavy-duty grates are available from Sani-Floor for installations that are receiving higher load applications. Contact Sani-Floor for more details and specifications.

If there is a need to place heavy objects in the Sani-Floor areas during equipment servicing, remodeling, etc., it is recommended that 3/4" (19) sheets of plywood be cut in sizes to replace the grates.

- Ideally, the fiberglass grates should be run through the facility's warewasher at the end of the day. In the event that a warewasher is not available, the grates can be washed in a three compartment sink. They will then be ready for reinstallation. Another option is to deck brush both sides of the grates while they are in place on the units. Grates should always be installed with the anti-slip rough side up.
- Improper cleaning of the grates per the above recommendations may lead to the growth of mold and mildew. Regular cleaning will prevent this from occurring. However, if mold or mildew develops on your grates, deck brushing the grates with a solution such as Ramsey's Power Bolt cleaner and degreaser will take care of the problem. NOTE: Do not use chlorine based products to clean the grates while they are still in place on the Clog-Free™ Strainer Technology Troughs as these chemicals may damage the stainless steel.
- Different colored grates allows for easy monitoring of cleaning procedures. For example, using one color for only even numbered days.
- The non-slip grates should **NOT** be mopped as the abrasive surface will tear strings from the mops that can possibly clog the drain.

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