LINEAR DRAINAGE

ADA

Z899-100 Stainless Steel Footprint / Grate Options

Installation, shallow--6" core drill anchoring tabs

Z899-100

PAT. NO. U.S. 9,777,489 U.S. 10,975,583 Patents Pending

From selection to smarter solutions, find your first choice for your next project at Zurn.

Our design experts will help you narrow down what you're looking for to meet compliance, building aesthetics, and performance expectations. There's no cutting corners or compromising in style. You'll install a system that withstands it all – foot traffic, heavy loads, flow rate – and still look great years after.

Easy of Install - Footprint

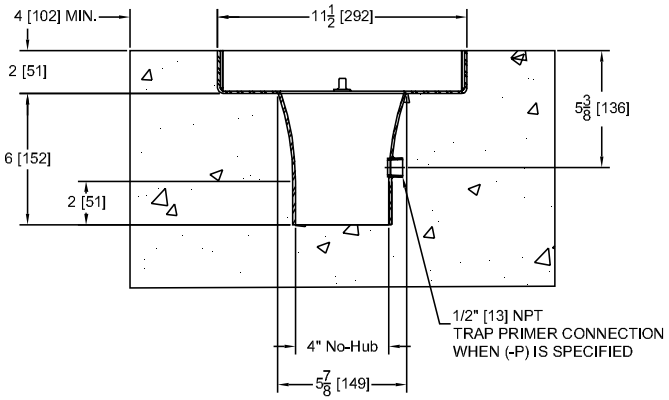
- Narrow profile and flat connection, 2″ depth create seamless integration between indoor and outdoor spaces
- Available in lengths from 36″ to 96″ with bottom center outlet
- Easy-to-remove grating allows for low-maintenance cleaning
- Design expertise available to discuss style options and specification requirements

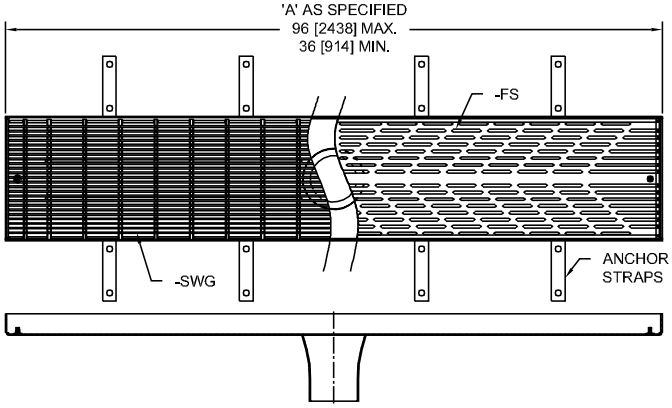
Performance Expectations

- Stainless surface withstands wear and tear while the black Dura-Coat interior[1] improves appearance and maximizes flow
- Patented system delivers superior flow rates, while providing an aesthetically attractive entrance
- Enough depth for proper drainage, yet shallow enough for easy installation

Compliance

- Complete system meets 2013 California Building Code 403.6.1, 403.6.2, 3007.4, 3008.4
- Additionally complies with 2013 San Francisco Fire Code, Section 511.1.4 for use in front of elevators
- Grating follows ADA compliance for heel safety and wheelchair accessibility
- Adaptive design is positioned to meet emerging code adoption





Z899 Threshold Trench Drain System with Center Outlet Engineering Specification

Overall channel width is 11-1/2" [292 mm] and includes 5-7/8" [149 mm] throat. Fabricated stainless steel channel meets ASTM A-240 (type 304) and features anchoring straps. The outlet on each channel is centered. Custom SWG stainless steel wire grate conforms to ASTM A-240 (type 304) and locks down to the channel with vandal-proof flathead machine screws.

This grate is designed to comply with Class A per DIN EN1433 load classification, in addition to being tested to 2,500 lbs per ASME A122.6.3, and has an open area of 83.74 sq. in/ft. [1771.94 sq. cm/m]. Optional FS fabricated slotted grate has an open area of 34.13 sq. in/ft [722.19 sq. cm/m] and also complies with ADA and heel-proof requirements. System design complies with SFFC Code, Section 511.1 for a 100 gpm flow rate. (Replaces Z895-94 and Z899)

NOTE: Minimum dimensional requirements must be met to satisfy 100 gpm flow rate specification.

[1] *Not standard, optional suffix option.*

Installation Tips

Step 1

Locate Threshold/Elevator drain bodies. Plywood inserts are supplied with the drain and should remain in the drain body in place of the grates during the prep for and the actual concrete pour.

Step 2

At a minimum, the trench excavation must be 4" [102 mm] greater than the trench depth and 8" [203 mm] greater than the widest part of the trench. Soft and/or shifting soil substrates may cause cracking of the concrete and consequent movement of the trench. It is critical that the concrete be poured on an adequate foundation.

Step 3

Utilize anchor straps to suspend the drain using an all thread rod and double nut system supplied by others. Affix all thread rods to a solid surface (wood, concrete, unistrut, etc.) below and suspend the drain at the desired height of the finished floor.

Step 4

Level the drain at the finished floor height using the all thread and double nut system. Once the trench is leveled, tighten the top nut of the double nut system to secure the drain.

Step 5

Pour the concrete around the profile of the trench drain. Be certain to adequately vibrate the concrete as it is being placed. Proper vibration will eliminate any unwanted voids within the concrete pour.

Step 6

The plywood inserts should be removed and replaced by the grates once the building is turned over and will only be exposed to light duty/pedestrian traffic.

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