



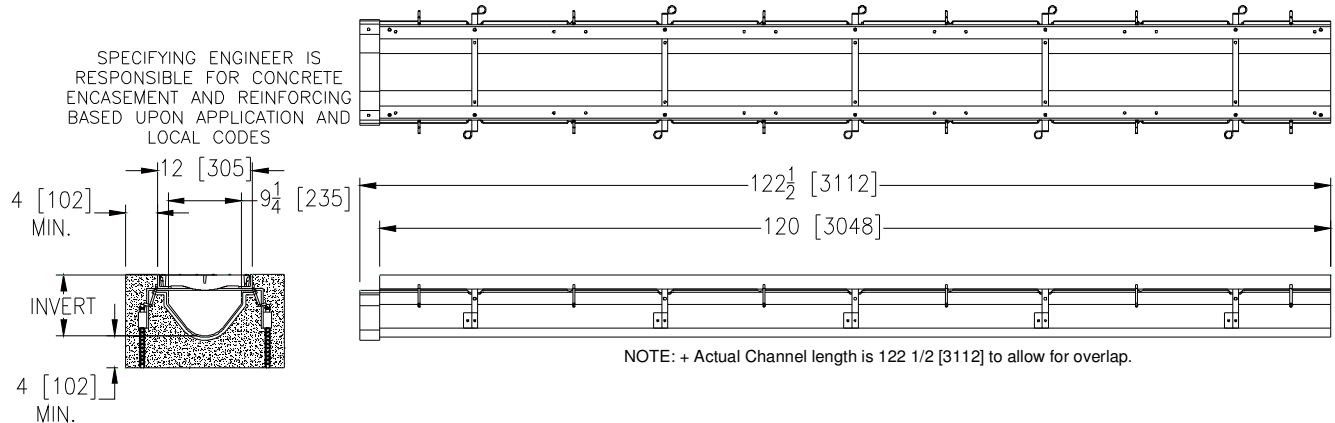
Z812-SF

12 [305] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH DRAIN SYSTEM WITH STAINLESS STEEL FRAME

SPECIFICATION SHEET

TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



ENGINEERING SPECIFICATION: Zurn Z812-SF

Channels shall be 120" [3048mm] long, 12" [305mm] wide reveal and have a 9-1/4" [235mm] throat. Modular channel sections shall be made of Fiber Reinforced Polymer (FRP). Shall have a positive mechanical connection between channel sections that will not separate during the installation and shall mechanically lock into the concrete surround every 12" [305mm]. Channels shall weigh less than 5.05 lbs.[2.29kg] per linear foot, have a smooth, 3" [76mm] radiused self cleaning bottom with a Manning's coefficient of .009 and 1.04% or neutral 0% built in slope. Channels shall have all grates locked down. Shall be provided with the standard RFSC grates that lock down to the frame. Zurn 12" [305mm] wide reveal Stainless Steel Reinforced Slotted Grate conforming to ASTM specification A351, Grade CF8 (type 304), Fabricated grate is rated class C per the DIN EN1433 top load classification. Supplied in 24" [608mm] nominal lengths with 3/8" [10mm] wide slots, 1-1/2" [38mm] bearing depth. Grate has an open area of 20.2 sq. in. per ft [428 sq. cm per meter]. Tie down recesses provided for securing option. The 1/4" [6mm] thick Stainless Steel Frame Assembly conforms to ASTM specification A-240 (type 304). with (12) 4" [102mm] long concrete anchors per 120" [3048mm]. Grate lockdown bars are integral to the frame. All welds must be performed by a certified welder per ASTM standard AWS D1.6. Frames Shall be produced in the USA.

PREFIX OPTIONS (Check/specify appropriate options)

- Z Ten-foot Fiber Reinforced Polymer (FRP) Channel *
- ZV Ten-foot Fiber Reinforced Vinylester Channel

SUFFIX OPTIONS (Check/specify appropriate options)

Outlet Adapters Add/Each

- E1 Closed End Cap
- E4 4 [102] No-Hub End Outlet
- E6 6 [152] No-Hub End Outlet
- E8 8 [203] No-Hub End Outlet
- U4 4 [102] No-Hub Bottom Outlet
- U6 6 [152] No-Hub Bottom Outlet
- U8 8 [203] No-Hub Bottom Outlet

Frame Options

- SW Sidewall Extensions - 10-3/4" [273mm] High

Grate Options (Load Classifications are per DIN EN1433)

- BDF Black Acid Resistant Ductile Grate - Class F
- BDC Black Acid Resistant Ductile Grate - Class C
- DC Ductile Iron Solid Cover - Class C
- DGC Ductile Iron Slotted Grate - Class C
- DGE Ductile Iron Slotted Grate - Class E
- DGF Ductile Iron Slotted Grate - Class F
- GG Fiberglass Grate - Class A
- HPD Heel-Proof Ductile Slotted Grate - Class C
- HPDE Heel-Proof Ductile Slotted Grate - Class E
- RFSC Reinforced Slotted Stainless Steel Grate - Class C*
- RPSC Reinforced Perforated Stainless Steel Grate - Class C
- RPSRC Reinforced Perforated Stainless Steel Reversed Punch Grate - Class C

MADE in the U.S.A.

- ADA-USA Meets Americans with Disabilities Act Requirements - Class C
- DGC-USA Ductile Iron Slotted Grate - Class C
- DGE-USA Ductile Iron Slotted Grate - Class E
- FS Fabricated Stainless Steel Slotted Grate - Class A
- HPDE-USA Heel-Proof Ductile Slotted Grate - Class E
- PS Perforated Stainless Steel Grate - Class A

Trench No.	Dimensions in Inch [mm]		Flow		
	'A' Shallow Inv.	'B' Deep Inv.	(cfs)	(gpm)	(lps)
2001	6.25 [159]	7.50 [191]	1.299	583	37
2002	7.50 [191]	8.75 [222]	1.910	857	54
2002N	8.75 [222]	8.75 [222]	-	-	-
2003	8.75 [222]	10.00 [254]	2.548	1144	72
2004	10.00 [254]	11.25 [286]	3.205	1438	91
2004N	11.25 [286]	11.25 [286]	-	-	-
2005	11.25 [286]	12.50 [318]	3.874	1739	110
2006	12.50 [318]	13.75 [349]	4.552	2043	129
2007	13.75 [349]	15.00 [381]	5.236	2350	148
2008	15.00 [381]	16.25 [413]	5.925	2659	168
2008N	16.25 [413]	16.25 [413]	-	-	-
2009	16.25 [413]	17.50 [445]	6.619	2970	187
2010	17.50 [445]	18.75 [476]	7.315	3283	207

Miscellaneous Options

- DB Bottom Dome Strainer
- JC Joint Connector
- RC Rebar Clip (Set of 2)
- VP Vandal-Proof Lockdown

* Regularly furnished unless otherwise specified.