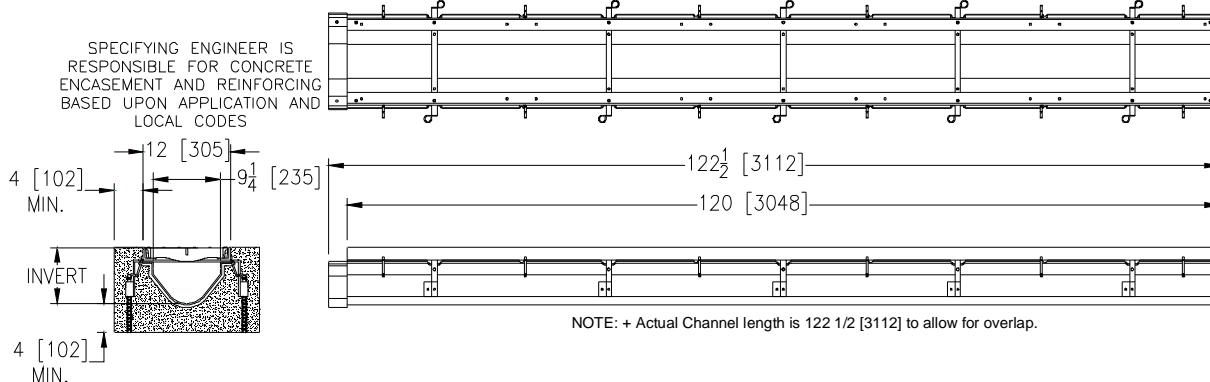


**12 [305] WIDE REVEAL FIBER REINFORCED POLYMER
TRENCH DRAIN SYSTEM WITH STEEL FRAME**
TAG

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


ENGINEERING SPECIFICATION: Zurn Z812

Channels shall be 120 [3048] long, 12 [305] wide reveal and have a 9-1/4 [235] 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 [305]. Channels shall weigh less than 5.05 lbs.[2.29kg] per linear foot, have a smooth, 3 [76] radiused self cleaning bottom with a Manning's coefficient of .009 and 1.04% or neutral 0% built in slope. Shall be provided with standard DGC grates that lock down to frame. Zurn 12 [305] wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536-84, Grade 80-55-06. Ductile Iron grate is rated class C per the DIN EN1433 top load classifications. Supplied in 24 [608] nominal lengths with 13/16 [21] wide slots, and 1-1/2 [38] bearing depth. Grate has an open area of 80.80 sq. in per ft. [171027 sq. mm per meter]. The 1/4 [6] thick Heavy-Duty Carbon Steel Frame Assembly conforms to ASTM specification A36 with 12-4 [102] long concrete anchors per 120 [3048]. Grate lockdown bars are to be integral to the frame. The frame is supplied with a powder coated finish. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames Shall be produced in the U.S.A.

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

<input type="checkbox"/> -E1	Closed End Cap	<input type="checkbox"/> -U4	4 [102] No-Hub Bottom Outlet
<input type="checkbox"/> -E4	4 [102] No-Hub End Outlet	<input type="checkbox"/> -U6	6 [152] No-Hub Bottom Outlet
<input type="checkbox"/> -E6	6 [152] No-Hub End Outlet	<input type="checkbox"/> -U8	8 [203] No-Hub Bottom Outlet
<input type="checkbox"/> -E8	8 [203] No-Hub End Outlet		

Frame Options

-CBF Black Acid Resistant Coated Top Frame
 -CWF White Acid Resistant Coated Top Frame
 -SW Sidewall Extensions - 10-3/4 [273] High

Grate Options (Load Classifications are per DIN EN1433)

-BDC Black Acid Resistant Epoxy Coated Ductile Grate - Class C
 -BDF Black Acid Resistant Epoxy Coated Ductile Grate - Class F
 -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
 -GDC Galvanized Ductile Slotted Grate - Class C
 -GDE Galvanized Ductile Slotted Grate - Class E
 -GDF Galvanized Ductile Slotted Grate - Class F
 -GG Fiberglass Grate - Class A
 -GHPDE Galvanized Heel-Proof Ductile Slotted Grate - Class E
 -HPD Heel-Proof Ductile Slotted Grate - Class C
 -HPDE Heel-Proof Ductile Slotted Grate - Class E
 -RFGC Reinforced Slotted Galvanized Grate - Class C

MADE in the U.S.A.

-ADA-USA Meets Americans with Disabilities Act Requirements - Class C
 -BG Galvanized Steel Bar Grate - Class D
 -DGC-USA Ductile Iron Slotted Grate - Class C
 -DGE-USA Ductile Iron Slotted Grate - Class E
 -FG Fabricated Galvanized Steel Slotted Grate - Class A
 -FS Fabricated Stainless Steel Slotted Grate - Class A
 -GADA-USA Galvanized Ductile ADA Slotted Grate - Class C
 -GDC-USA Galvanized Ductile Slotted Grate - Class C
 -GDE-USA Galvanized Ductile Slotted Grate - Class E
 -GHPDE-USA Galvanized Ductile Slotted Grate - Class E
 -HPDE-USA Heel-Proof Ductile Slotted Grate - Class E
 -PG Perforated Galvanized Steel Grate - Class A

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(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

-RPGC Reinforced Perforated Galvanized Grate - Class C
 -RPGRC Reinforced Perforated Galvanized Reverse Punch Grate - Class C
 -RFSC Reinforced Slotted Stainless Steel Grate - Class C
 -RPSC Reinforced Perforated Stainless Steel Grate - Class C
 -RPSRC Reinforced Perforated Stainless Steel Reverse Punch Grate - Class C

Miscellaneous Options

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

MADE in the U.S.A.

-PS Perforated Stainless Steel Grate - Class A
 -RFG Reinforced Galvanized Slotted Grate - Class B
 -RFS Reinforced Stainless Steel Slotted Grate - Class B
 -RPG Reinforced Galvanized Perforated Grate - Class B
 -RPS Reinforced Stainless Steel Perforated Grate - Class B
 -SBG-L Stainless Steel Bar Grate - Class C

Miscellaneous Options

-DB Bottom Dome Strainer

REV. Y DATE: 05/21/12 C.N. NO. 124404
PROD/DWG. NO. Z812