



# Z882

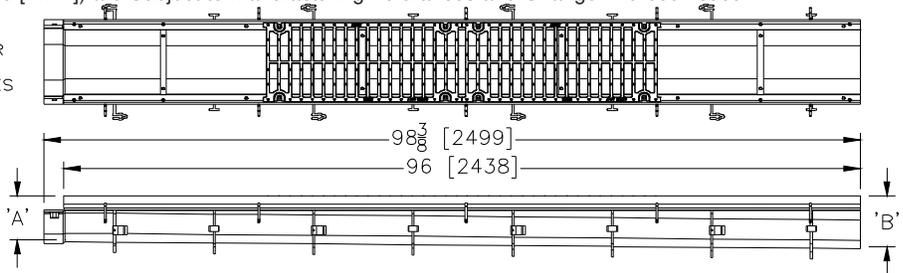
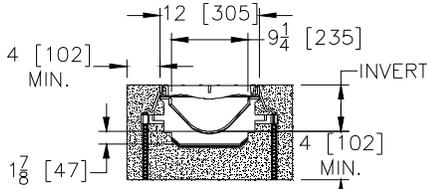
## 12 [305] WIDE REVEAL TRENCH DRAIN SYSTEM WITH STEEL FRAME

SPECIFICATION SHEET

TAG \_\_\_\_\_

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

SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASUREMENT AND REINFORCING BASED UPON APPLICATION AND LOCAL CODES



Note: + Actual Channel length is 98 3/8 [2499] to allow for overlap.

### ENGINEERING SPECIFICATION: Zurn Z882

Channels shall be 96" [2438mm] long, 12" [305mm] wide reveal and have a 9-1/4" [235mm] throat. Modular channel sections shall be made of 0% water absorbent High Density Polyethylene (HDPE). 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 0.009 and 1.04% or neutral 0% built in slope. Channels shall have rebar clips standard to secure trench in its final location. Shall be provided with standard DGC grates that lock down to frame. Zurn 12" [305mm] 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" [608mm] nominal lengths with 13/16" [21mm] wide slots, and 1-1/2" [38mm] bearing depth. Grate has an open area of 80.8 sq. in per ft. [171,027 sq. mm per meter]. The 1/4" [6mm] thick heavy-duty carbon steel frame assembly conforms to ASTM specification A36 with 10 - 4" [102mm] long concrete anchors per 96" [2438mm]. 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 Eight-foot High Density Polyethylene (HDPE) Channel, Heavy-Duty Frame with Anchor Studs.\*

### 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

#### Grate Options (Load Classifications are per DIN EN1433)

\_\_\_ -BDC Black Acid Resistant Epoxy Coated Ductile Grate - Class C  
 \_\_\_ -BDE Black Acid Resistant Epoxy Coated Ductile Grate - Class E  
 \_\_\_ -BDF Black Acid Resistant Epoxy Coated Ductile Grate - Class F  
 \_\_\_ -DC Ductile Iron Solid Cover - Class E  
 \_\_\_ -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  
 \_\_\_ -GHPD Galvanized Heel-Proof Ductile Grate - Class B  
 \_\_\_ -GHPDE Galvanized Heel-Proof Ductile Slotted Grate - Class E  
 \_\_\_ -HPD Heel-Proof Ductile Slotted Grate - Class B  
 \_\_\_ -HPDE Heel-Proof Ductile Slotted Grate - Class E  
 \_\_\_ -HPDE Heel-Proof Ductile Slotted Grate - Class E  
 \_\_\_ -RFGC Reinforced Slotted Galvanized Grate - Class C  
 \_\_\_ -RPGC Reinforced Perforated Galvanized Grate - Class C  
 \_\_\_ -RPGRC Reinforced Perforated Galvanized Reverse Punch Grate - Class C

Trench No.	Flow		Flow		
	'A' Shallow Inv.	'B' Deep Inv.	(cfs)	(gpm)	(lps)
8201	6.25 [159]	7.25 [184]	1.241	557	35
8202	7.25 [184]	8.25 [210]	1.725	774	49
8203	8.25 [210]	9.25 [235]	2.226	999	63
8203N	9.25 [235]	9.25 [235]	-	-	-
8204	9.25 [235]	10.25 [260]	2.745	1232	78
8205	10.25 [260]	11.25 [286]	3.271	1468	93
8206	11.25 [286]	12.25 [311]	3.808	1709	108
8206N	12.25 [311]	12.25 [311]	-	-	-
8207	12.25 [311]	13.25 [337]	4.347	1951	123
8208	13.25 [337]	14.25 [362]	4.893	2196	139
8209	14.25 [362]	15.25 [387]	5.443	2443	155
8209N	15.25 [387]	15.25 [387]	-	-	-
8210	15.25 [387]	16.25 [413]	5.996	2691	170
8211	16.25 [413]	17.25 [438]	6.551	2940	186
8212	17.25 [438]	18.25 [464]	7.106	3189	202

\_\_\_ -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

\_\_\_ -CBF Black Acid Resistant Coated Top Frame  
 \_\_\_ -JC Joint Connector  
 \_\_\_ -SW Sidewall Extensions - 11 [279] High  
 \_\_\_ -SW2 Double Sidewall Extensions - 22 [559] High  
 \_\_\_ -VP Vandal-Proof Lockdown

### 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  
 \_\_\_ -GG Fiberglass Grate - Class A  
 \_\_\_ -PG Perforated Galvanized Steel Grate - Class A  
 \_\_\_ -PS Perforated Stainless Steel Grate - Class A  
 \_\_\_ -SBG-L Stainless Steel Bar Grate - Class C

#### Miscellaneous Options

\_\_\_ -DB Bottom Dome Strainer

\* Regularly furnished unless otherwise specified.

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