

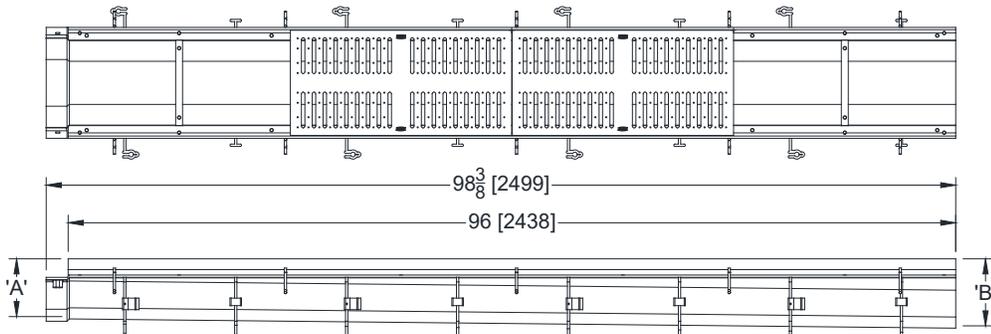
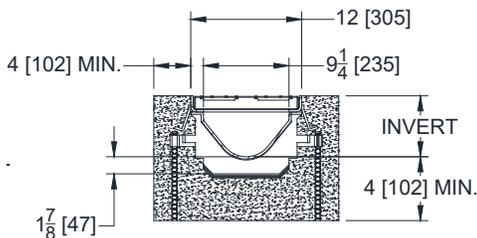


# Z882-HDS

## 12" WIDE REVEAL TRENCH DRAIN SYSTEM WITH STAINLESS STEEL FRAME

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

SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASEMENT 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-HDS

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 the standard RFS 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 B 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 25.6 in<sup>2</sup>/ft [542 cm<sup>2</sup>/m]. 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 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

TRENCH NO.	'A' Shallow Inv.	'B' Shallow Inv.	Flow Open Area in <sup>2</sup> [cm <sup>2</sup> ]	Flow		
				(cfs)	(gpm)	(lps)
8201	6.25 [159]	7.25 [184]	37.7 [243.2]	1.241	557	35
8202	7.25 [184]	8.25 [210]	47 [303.2]	1.725	774	49
8203	8.25 [210]	9.25 [235]	56.2 [362.6]	2.226	999	63
8203N	9.25 [235]	9.25 [235]	56.2 [362.6]	-	-	-
8204	9.25 [235]	10.25 [260]	65.5 [422.6]	2.745	1232	78
8205	10.25 [260]	11.25 [286]	74.7 [481.9]	3.271	1468	93
8206	11.25 [286]	12.25 [311]	84 [541.9]	3.808	1709	108
8206N	12.25 [311]	12.25 [311]	84 [541.9]	-	-	-
8207	12.25 [311]	13.25 [337]	93.2 [601.3]	4.347	1951	123
8208	13.25 [337]	14.25 [362]	102.5 [661.3]	4.893	2196	139
8209	14.25 [362]	15.25 [387]	111.7 [720.6]	5.443	2443	155
8209N	15.25 [387]	15.25 [387]	111.7 [720.6]	-	-	-
8210	15.25 [387]	16.25 [413]	121 [780.6]	5.996	2691	170
8211	16.25 [413]	17.25 [438]	130.2 [840]	6.551	2940	186
8212	17.25 [438]	18.25 [464]	139.5 [900]	7.106	3189	202

### 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

See Additional Options on Page 2 of 2

\* Regularly furnished unless otherwise specified.

- ⚠ **WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
- ⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)
- ⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



# Z882-HDS

## 12" WIDE REVEAL TRENCH DRAIN SYSTEM WITH STAINLESS STEEL FRAME

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

### 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
- \_\_\_-HPD Heel-Proof Ductile Slotted Grate - Class B
- \_\_\_-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
- \_\_\_-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
- \_\_\_-SBGE Stainless Steel Slotted Bar Grate - Class E
- \_\_\_-SBG-L Stainless Steel Bar Grate - Class C
- \_\_\_-SWG-B Slip Resistant Stainless Steel Wire Grate - Class B

### Miscellaneous Options

- \_\_\_-BL High Density Polyethylene (HDPE) System with 3% Carbon Black Additive
- \_\_\_-CBF Black Acid Resistant Coated Top Frame
- \_\_\_-JC Joint Connector
- \_\_\_-VP Vandal-Proof Lockdown

### MADE in the U.S.A.

- \_\_\_-ADA-USA Meets Americans with Disabilities Act Requirements - Class C
- \_\_\_-BDE-USA Black Acid Resistant Epoxy Coated Ductile Grate - Class E
- \_\_\_-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
- \_\_\_-GG Fiberglass Grate - Class A
- \_\_\_-PS Perforated Stainless Steel Grate - Class A
- \_\_\_-PSR Perforated Stainless Steel Reverse Punch Grate
- \_\_\_-RFG Reinforced Slotted Stainless Steel Grate
- \_\_\_-RFS Reinforced Slotted Stainless Steel Grate
- \_\_\_-RPS Reinforced Perforated Stainless Steel Grate
- \_\_\_-RPSR Reinforced Perforated Stainless Steel Reverse Punch Grate
- \_\_\_-SBGE-USA Stainless Steel Slotted Bar Grate - Class E
- \_\_\_-SBG-L-USA Stainless Steel Bar Grate - Class C
- \_\_\_-SSCD Stainless Steel Circular Decorative Grate

### MADE in the U.S.A. Miscellaneous Options

- \_\_\_-DB Bottom Dome Strainer
- \_\_\_-SW Sidewall Extensions - 11 [279] High
- \_\_\_-SW2 Double Sidewall Extensions - 22 [559] High

\* Regularly furnished unless otherwise specified.

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**⚠ ADVERTENCIA:** Cáncer y daño reproductivo - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**⚠ AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)