

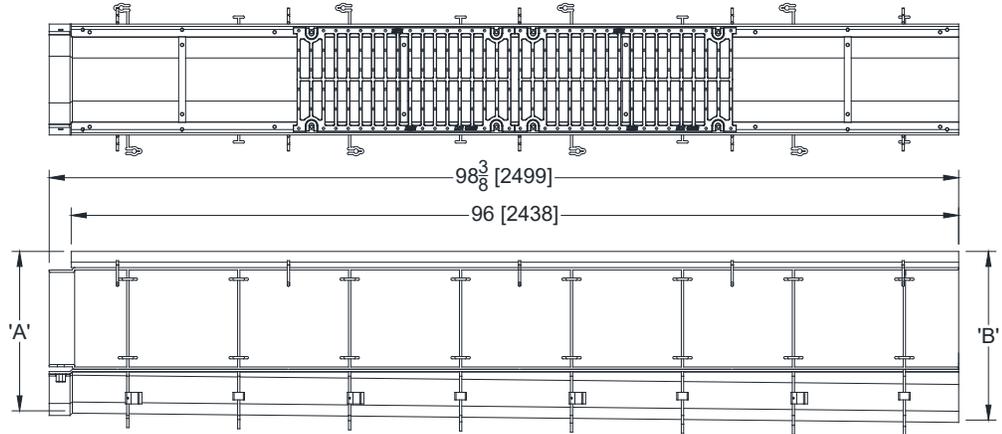
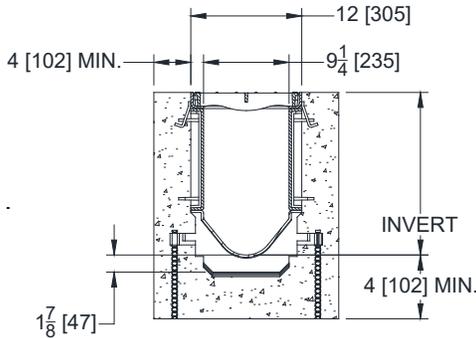


Z882-HDG-SW

12" WIDE REVEAL TRENCH DRAIN SYSTEM W/ GALVANIZED STEEL FRAME AND SIDEWALL EXTENSIONS

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 96 3/8 [2499] TO ALLOW FOR OVERLAP

ENGINEERING SPECIFICATION: ZURN Z882-HDG-SW

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 GDC grate that locks down to the frame. Zurn 12" [305mm] wide reveal Galvanized Ductile Iron Slotted Grate. Ductile Iron conforms to ASTM specification A536-84, Grade 80-55-06. Galvanized 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 57.50 in²/ft. [122 cm²/m]. The 1/4" [6mm] thick Galvanized Carbon Steel Frame Assembly conforms to ASTM specification A36 and Galvanizing conforms to ASTM specification A123 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 ² [cm ²]	Flow		
				(cfs)	(gpm)	(lps)
8202 SW	18.25 [464]	19.25 [489]	47 [303.2]	7.67	3442	217
8203 SW	19.25 [489]	20.25 [514]	56.2 [362.6]	7.95	3568	225
8203N SW	20.25 [514]	20.25 [514]	56.2 [362.6]	-	-	-
8204 SW	20.25 [514]	21.25 [540]	65.5 [422.6]	8.51	3819	241
8205 SW	21.25 [540]	22.25 [565]	74.7 [481.9]	9.07	4071	257
8206 SW	22.25 [565]	23.25 [591]	84 [541.9]	9.63	4322	273
8206N SW	23.25 [591]	23.25 [591]	84 [541.9]	-	-	-
8207 SW	23.25 [591]	24.25 [616]	93.2 [601.3]	10.2	4578	289
8208 SW	24.25 [616]	25.25 [641]	102.5 [661.3]	10.76	4829	305
8209 SW	25.25 [641]	26.25 [667]	111.7 [720.6]	11.33	5085	321
8209N SW	26.25 [667]	26.25 [667]	111.7 [720.6]	-	-	-
8210 SW	26.25 [667]	27.25 [692]	121 [780.6]	11.89	5336	337
8211 SW	27.25 [692]	28.25 [718]	130.2 [840]	12.46	5592	353
8212 SW	28.25 [718]	29.25 [743]	139.5 [900]	13.03	5848	369

PREFIX OPTIONS (Check/specify appropriate options)

___-Z Eight-foot High Density Polyethylene (HDPE) Channel, Heavy-Duty Frame with Anchor Studs.*

See Additional Options on Page 2 of 2

* Regularly furnished unless otherwise specified.

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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
- ___-BG Galvanized Steel Bar Grate - Class B
- ___-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
- ___-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

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
- ___-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
- ___-PGR Galvanized Perforated Reverse Punch Anti-Slip ADA Grate - Class A
- ___-RPG Reinforced Perforated Galvanized Grate
- ___-RPGR Reinforced Galvanized Perforated Reverse Punch Anti-Slip Grate
- ___-RPS Reinforced Perforated Stainless Steel Grate
- ___-RPSR Reinforced Perforated Stainless Steel Reverse Punch Grate

MADE in the U.S.A. Miscellaneous Options

- ___-DB Bottom Dome Strainer
- ___-SW2 Double Sidewall Extensions - 22 [559] High

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