

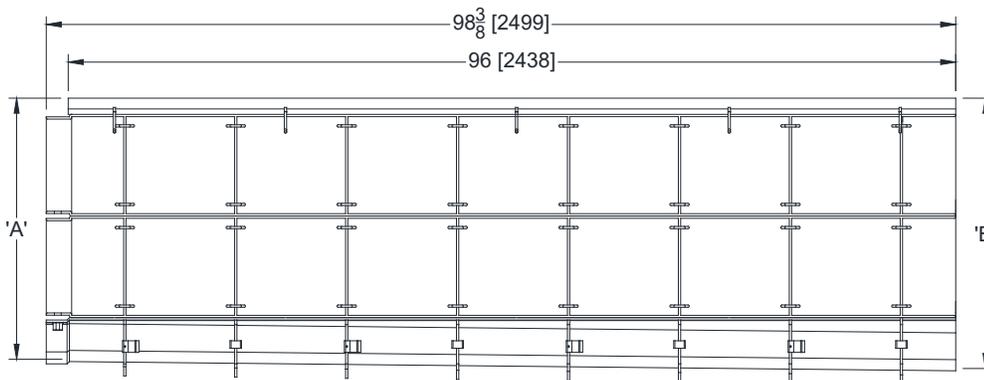
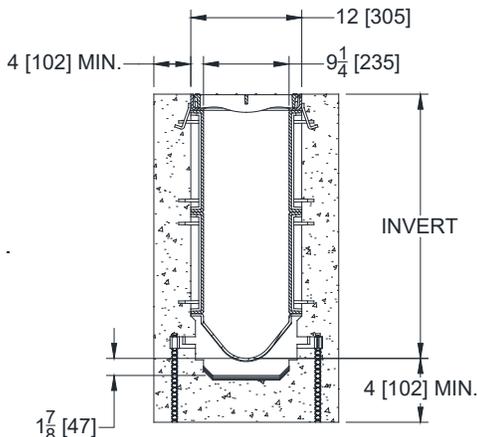
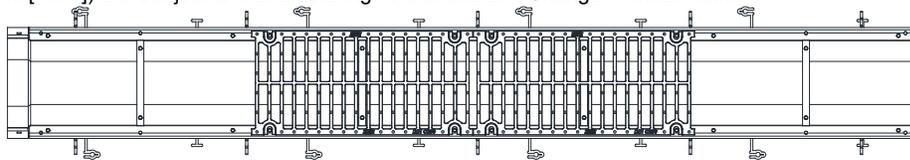


Z882-SW2

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

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

SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASMENT 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-SW2

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 in²/ft. [171 cm²/m]. 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.

TRENCH NO.	'A' Shallow Inv.	'B' Shallow Inv.	Flow Open Area in ² [cm ²]	Flow		
				(cfs)	(gpm)	(lps)
8202 SW2	29.25 [743]	30.25 [768]	47 [303.2]	13.79	6189	390
8203 SW2	30.25 [768]	31.25 [794]	56.2 [362.6]	14.35	6440	406
8203N SW2	31.25 [794]	31.25 [794]	56.2 [362.6]	-	-	-
8204 SW2	31.25 [794]	32.25 [819]	65.5 [422.6]	14.91	6692	422
8205 SW2	32.25 [819]	33.25 [845]	74.7 [481.9]	15.47	6943	438
8206 SW2	33.25 [845]	34.25 [870]	84 [541.9]	16.02	7190	454
8206N SW2	34.25 [870]	34.25 [870]	84 [541.9]	-	-	-
8207 SW2	34.25 [870]	35.25 [895]	93.2 [601.3]	16.58	7441	469
8208 SW2	35.25 [895]	36.25 [921]	102.5 [661.3]	17.14	7692	485
8209 SW2	36.25 [921]	37.25 [946]	111.7 [720.6]	17.69	7939	501
8209N SW2	37.25 [946]	37.25 [946]	111.7 [720.6]	-	-	-
8210 SW2	37.25 [946]	38.25 [972]	121 [780.6]	18.25	8191	517
8211 SW2	38.25 [972]	39.25 [997]	130.2 [840]	18.81	8442	533
8212 SW2	39.25 [997]	40.25 [1022]	139.5 [900]	19.36	8689	548

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

* Regularly furnished unless otherwise specified.

See Additional Options on Page 2 of 2

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



Z882-SW2

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

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
- ___-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
- ___-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
- ___-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
- ___-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
- ___-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
- ___-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

- ___-AS Slip Resistant Bumps
- ___-DB Bottom Dome Strainer

* Regularly furnished unless otherwise specified.

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