



ZS890

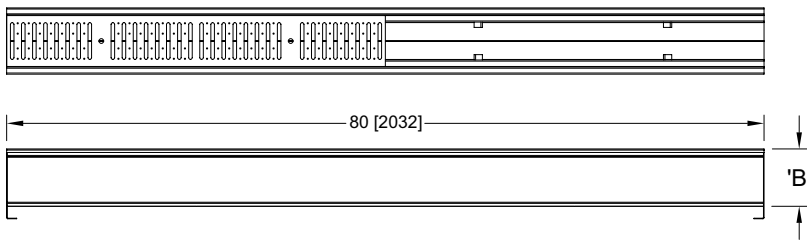
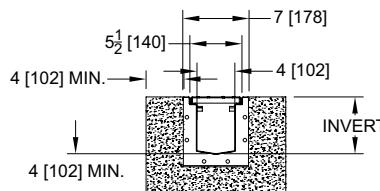
7 [178] WIDE REVEAL TRENCH DRAIN SYSTEM WITH "V" BOTTOM

SPECIFICATION SHEET

TAG _____

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

SPECIFYING ENGINEER IS RESPONSIBLE FOR CONCRETE ENCASEMENT & REINFORCING BASED UPON APPLICATION & LOCAL CODES



ENGINEERING SPECIFICATION: Zurn ZS890

Channels are 80" [2032mm] long, 7" [178mm] wide and have a 4" [102mm] throat. Modular channel sections are made of 16 ga. fabricated Stainless Steel conforming to ASTM A-240 (type 304). Channels have 10ga. bolted, flanged connection between channel sections that will not separate during the installation, gaskets available. Channels weigh less than 2.31 lbs. [1.05kg] per linear foot, have a smooth, 1-1/2" [38mm] radiused self cleaning bottom with a Manning's coefficient of .009 and 1.04% or neutral 0% built in slope. Channels have feet for patty pour or leveling studs standard to secure trench in its final location. Channels are provided with standard FS grates that lock down to frame. Zurn 6" [152mm] wide reveal Fabricated Stainless Steel Grate conforming to ASTM specification A-240, (type 304), is rated class A per the DIN EN1433 top load classification. Supplied in 40" [1016mm] nominal lengths with 5/16" [8mm] wide slots, and 3/4" [19mm] bearing depth. Grate has an open area of 12.00 sq. in. per ft. [7,742 sq. mm per meter]. Channels shall be produced in the U.S.A.

PREFIX OPTIONS (Check/specify appropriate options)

___ ZS Type 304 (CF8) Stainless Steel*

SUFFIX OPTIONS (Check/specify appropriate options)

Outlet Adapters Add/Each

- ___ E1 Closed End Cap
- ___ E2 2 [51] No-Hub End Outlet
- ___ E3 3 [76] No-Hub End Outlet
- ___ E4 4 [102] No-Hub End Outlet
- ___ U2 2 [51] No-Hub Bottom Outlet
- ___ U3 3 [76] No-Hub Bottom Outlet
- ___ U4 4 [102] 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
- ___ -DC Ductile Iron Solid Cover - Class C
- ___ -DGC Ductile Iron Slotted Grate - Class C
- ___ -DGE Ductile Iron Slotted Grate - Class E
- ___ -DGE-NA Ductile Iron Slotted Grate - Class E - North American
- ___ -GG Fiberglass Grate - Class A
- ___ -HPD Heel-Proof Ductile Slotted Grate - Class B
- ___ -HPDE Heel-Proof Ductile Slotted Grate - Class E
- ___ -HPP Heel-Proof Polyethylene Grate - Class A
- ___ -LD Ductile Iron Longitudinal Slotted Grate - Class B
- ___ -RFSC Reinforced Slotted Stainless Steel Grate - Class C
- ___ -RPSC Reinforced Perforated Stainless Steel Grate - Class C
- ___ -RPSRC Reinforced Perforated Stainless Steel Reversed Punch Grate - Class C

Decorative Grate Options (Load Classifications are per DIN EN1433)

- ___ -BCD Bronze Circular Decorative Grate - Class A
- ___ -BDD Bronze Diagonal Decorative Grate - Class A
- ___ -DCD Ductile Iron Circular Decorative Grate - Class C
- ___ -DDD Ductile Iron Diagonal Decorative Grate - Class A
- ___ -DOG Ductile Iron Decorative Grate - Class B
- ___ -DWV Ductile Wave Decorative Grate - Class A
- ___ -HPB Heel-Proof Bronze Slotted Grate - Class A
- ___ -HPS Heel-Proof Stainless Steel Slotted Grate - Class A
- ___ -SBG Stainless Steel Bar Grate - Class E
- ___ -SCD Stainless Steel Circular Decorative Grate - Class B
- ___ -SDD Stainless Steel Diagonal Decorative Grate - Class B
- ___ -SMG Stainless Steel Mesh Grate - Class B
- ___ -SOG Stainless Steel Decorative Grate - Class B
- ___ -SWG-A Stainless Steel Wire Grate - Class A
- ___ -SWG-B Slip Resistant Stainless Steel Wire Grate - Class B

Trench No.**	Dimension In Inches [mm]				Flow		
	'A' Shallow Inv.		'B' Deep Inv.		(cfs)	(gpm)	(lps)
S89001	3.50	[88.9]	4.33	[110.1]	0.287	129	8
S89002	4.33	[110.1]	5.17	[131.2]	0.363	163	10
S89003	5.17	[131.2]	6.00	[152.4]	0.448	201	13
S89004	6.00	[152.4]	6.83	[173.6]	0.532	239	15
S89005	6.83	[173.6]	7.67	[194.7]	0.615	276	17
S89006	7.67	[194.7]	8.50	[215.9]	0.697	313	20
S89007	8.50	[215.9]	9.33	[237.1]	0.782	351	22
S89008	9.33	[237.1]	10.17	[258.2]	0.867	389	25
S89009	10.17	[258.2]	11.00	[279.4]	0.954	428	27
S89010	11.00	[279.4]	11.83	[300.6]	1.036	465	29
S89011	11.83	[300.6]	12.67	[321.7]	1.123	504	32
S89012	12.67	[321.7]	13.50	[342.9]	1.21	543	34
S89013	13.50	[342.9]	14.33	[364.1]	1.294	581	37
S89014	14.33	[364.1]	15.17	[385.2]	1.381	620	39
S89015	15.17	[385.2]	16.00	[406.4]	1.468	659	42

** Neutral channel option (0% slope) available for each channel.

MADE in the U.S.A. (Load Classifications are per DIN EN1433)

- ___ -BDE 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 *
- ___ -PPC Plastic Perforated Grate - Class C
- ___ -PS Perforated Stainless Steel Grate - Class A
- ___ -SBGS Serrated Stainless Steel Bar Grate CUSTOM - Class B
- ___ -BZ Bronze Decorative Grate - Class A
- ___ -NBZ-USA Nickel Bronze Decorative Grate - Class A
- ___ -PDE-USA Ductile Iron Perforated ADA Grate - Class E
- ___ -PSR Perforated Stainless Steel Raised Grate - Class A

Miscellaneous Options

- ___ -DB Drop-In Bucket Strainer
- ___ -K Anchor Flange
- ___ -KC Clamp Collar & Pan
- ___ -VP Vandal-Proof Lockdown
- ___ -W Single Piece of Welded Trench

⚠ **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

* Regularly furnished unless otherwise specified

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