



Z806-HDS

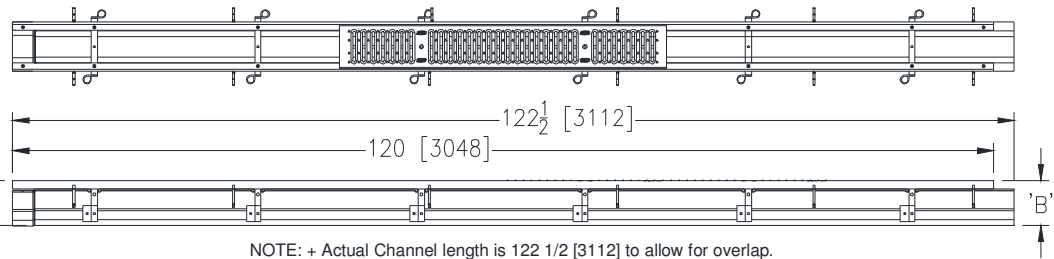
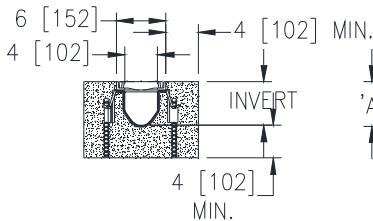
6 [159] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH DRAIN SYSTEM WITH HEAVY-DUTY STAINLESS STEEL FRAME

SPECIFICATION SHEET

TAG _____

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

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



NOTE: + Actual Channel length is 122 1/2 [3112] to allow for overlap.

ENGINEERING SPECIFICATION: Zurn Z806-HDS

Channels shall be 120" [3048mm] long, 6" [152mm] wide and have a 4" [102mm] throat. Modular channel sections shall be made of 0% water absorbent Fiber Reinforced Polymer (FRP). 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 10" [254mm]. Channels shall 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 .75% or neutral 0% built in slope. Channels provided with standard RFSC grates that lock down to frame. Stainless steel reinforced slotted grate is 5-3/8" [137mm] wide and 40" [1016mm] long weighing 5.2 lbs per linear foot [7.9 kg/m]. The grate has an open area of 12.08 sq. inches per linear foot [254 cm²/m]. Grate conforms to DIN rating of C, ANSI rating of Heavy-Duty, ADA compliant* and H-20 load rating. Stainless steel grate conforms to ASTM A351 Type 304 (Grade CF8M Type 316 by request) cast body and A-240 Type 304 (or 316 by request) for grate skin. *Elongated openings shall be placed so that the long dimension is perpendicular to the dominant direction of travel. The .105" [2.66mm] thick Heavy-Duty Stainless Steel Frame Assembly conforms to ASTM specification A-240 (type 304), with 12-4" [102mm] long concrete anchors per 120" [3048mm]. Grate lockdown bars are to be integral to the frame. Frames Shall be produced in the U.S.A.

PREFIX OPTIONS (Check/specify appropriate options)

- Z Ten-foot Fiber Reinforced Polymer (FRP)
- ZV Ten-foot Fiber Reinforced Vinylester*

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
- E6 6 [152] 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
- U6 6 [152] 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
- 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 A
- 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
- SOG Stainless Steel Decorative Grate - Class B

* Regularly furnished unless otherwise specified.

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(cfs)	(gpm)	(lps)
1001	3.50 [89]	4.40 [112]	.196	88	6
1002	4.40 [112]	5.30 [135]	.296	133	8
1002N	5.30 [135]	5.30 [135]	-	-	-
1003	5.30 [135]	6.20 [157]	.397	178	11
1004	6.20 [157]	7.10 [180]	.501	225	14
1004N	7.10 [180]	7.10 [180]	-	-	-
1005	7.10 [180]	8.00 [203]	.604	271	17
1006	8.00 [203]	8.90 [226]	.711	319	20
1007	8.90 [226]	9.80 [249]	.816	366	23
1008	9.80 [249]	10.70 [272]	.922	414	26
1008N	10.70 [272]	10.70 [272]	-	-	-
1009	10.70 [272]	11.60 [295]	1.029	462	29
1010	11.60 [295]	12.50 [318]	1.136	510	32

Miscellaneous Options

- DB Bottom Dome Strainer
- JC Joint Connector
- RC Rebar Clip (Set of 2)
- SW 8.1 [206] High Sidewall Extension Adapter (Per Pair)
- VP Vandal-Proof Lockdown

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

- 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
- PS Perforated Stainless Steel Grate - Class A
- PPC Plastic Perforated Grate - Class C

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

- BZ Bronze Decorative Grate - Class A
- NBZ Nickel Bronze Decorative Grate - Class A
- PSR Perforated Stainless Steel Raised Grate - Class A
- SWG Stainless Steel Wire Grate - Class A