



Z806-HDG-SW

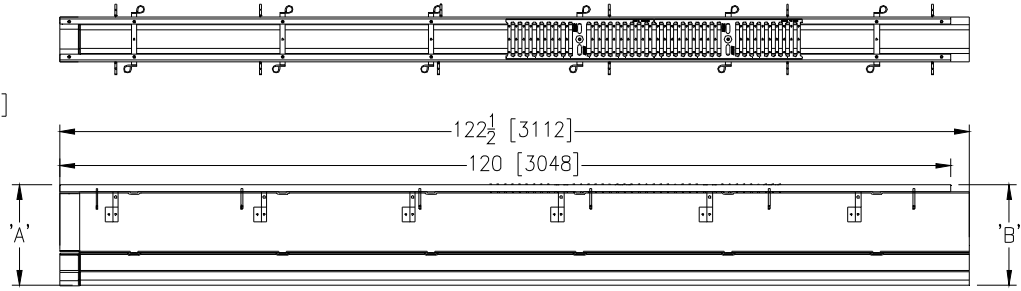
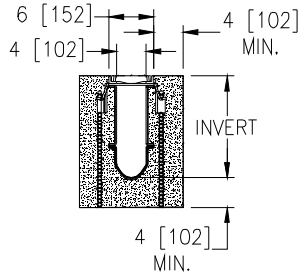
SPECIFICATION SHEET

6 [159] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH DRAIN SYSTEM WITH HEAVY-DUTY GALVANIZED FRAME WITH 8.1 [206] SIDEWALL EXTENSION

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-HDG-SW

Channels shall be 120 [3048] long, 6 [152] wide and have a 4 [102] throat. Modular channel sections shall be made of 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 [254]. Channels shall weigh less than 2.31 lbs. [1.05kg] per linear foot, have a smooth, 1-1/2 [38] radiused self cleaning bottom with a Manning's coefficient of .009 and .75% or neutral 0% built in slope. Channels shall have FRP SW Side Walls attached for an additional 8.1 [206] added to the standard channel invert for additional flow capability shown in chart below. Shall be provided with standard GDC grates that lock down to frame. Zurn 6 [152] wide reveal Galvanized 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 20 [508] nominal lengths with 1/2 [13] wide slots, and 3/4 [19] bearing depth. Grate has an open area of 28.1 sq. in. per ft. [59,463 sq. mm per meter]. The 1/4 [6] thick Heavy-Duty Carbon Steel Galvanized Frame Assembly conforms to ASTM specification A36 and Galvanizing conforms to ASTM specification A123 with 12-4 [102] long concrete anchors per 120 [3048]. Grate lockdown bars are to be integral to the frame. All welds must be performed by a certified welder per ASTM standard AWS D1.1. 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
- GDC Galvanized Ductile Slotted Grate - Class C *
- GDE Galvanized Ductile Slotted Grate - Class E
- GHPD Galvanized Heel-Proof Ductile Grate - Class C
- GHPDE Galvanized Heel-Proof Ductile Grate - Class E
- HPD Heel-Proof Ductile Slotted Grate - Class C
- HPDE Heel-Proof Ductile Slotted Grate - Class E
- HPP Heel-Proof Polyethylene Grate - Class A
- LD Ductile Iron Longitudinal Slotted Grate - Class B
- RFG Reinforced Galvanized Steel Slotted Grate - Class B
- RPG Reinforced Galvanized Perforated Grate - Class B
- 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

- DB Bottom Dome Strainer
- JC Joint Connector
- RC Rebar Clip (Set of 2)
- VP Vandal-Proof Lockdown

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

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(cfs)	(gpm)	(lps)
1002SW	12.50 [318]	13.40 [340]	1.297	558	35
1002NSW	13.40 [340]	13.40 [340]	-	-	-
1003SW	13.40 [340]	14.30 [363]	1.297	582	37
1004SW	14.30 [363]	15.20 [386]	1.350	606	38
1004NSW	15.20 [386]	15.20 [386]	-	-	-
1005SW	15.20 [386]	16.10 [409]	1.458	654	41
1006SW	16.10 [409]	17.00 [432]	1.511	678	43
1007SW	17.00 [432]	17.90 [455]	1.565	702	44
1008SW	17.90 [455]	18.80 [478]	1.673	751	47
1008NSW	18.80 [478]	18.80 [478]	-	-	-
1009SW	18.80 [478]	19.70 [500]	1.780	799	50
1010SW	19.70 [500]	20.60 [523]	1.888	847	53

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

- AWG Aluminum Wire Grate - Class A
- 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
- GDC-USA Galvanized Ductile Slotted Grate - Class C
- GDE-USA Galvanized Ductile Slotted Grate - Class E
- PG Perforated Galvanized 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

REV. D DATE: 05/11/12 C.N. NO. 124313

PROD./DWG. NO. Z806-HDG-SW

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

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