



ZF806-HDG

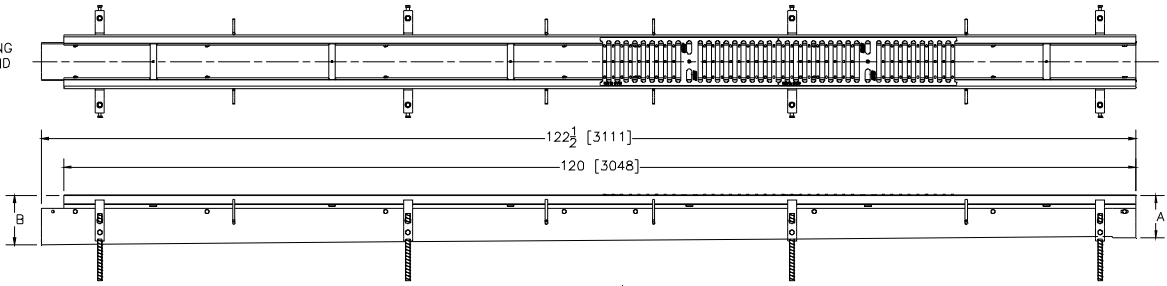
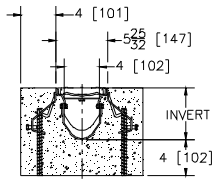
SPECIFICATION SHEET

6 [159] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH
DRAIN SYSTEM W/ HEAVY-DUTY GALVANIZED FRAME ASSEMBLY

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 overlap.

ENGINEERING SPECIFICATION: Zurn ZF806-HDG

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. 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. 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, 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 #10 gage thick Heavy-Duty Carbon Steel Galvanized Frame Assembly conforms to ASTM specification A36 and Galvanizing conforms to ASTM specification A123. Frames shall mechanically lock into the concrete surround at a maximum spacing of every 20 [508] with 16 concrete anchors per 120 [3048]. Frames shall have rebar attachment brackets as standard to secure trench in its final location. 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 and Channels shall be produced in the U.S.A.

PREFIX OPTIONS (Check/specify appropriate options)

___ ZF Ten-foot Fiber Reinforced Polymer (FRP)*

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
- ___ -BG Galvanized Ductile Iron Cast Bar Grate - Class C
- ___ -DC Ductile Iron Solid Cover - Class C
- ___ -DBG Ductile Iron Cast Bar Grate - 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 B
- ___ -GHPDE Galvanized Heel-Proof Ductile 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
- ___ -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
- ___ -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)
1002	4.75 [121]	5.65 [144]	.326	146	9
1002N	5.65 [144]	5.65 [144]	-	-	-
1003	5.65 [144]	6.55 [166]	.427	192	12
1004	6.55 [166]	7.45 [189]	.530	238	15
1004N	7.45 [189]	7.45 [189]	-	-	-
1005	7.45 [189]	8.35 [212]	.635	285	18
1006	8.35 [212]	9.25 [235]	.740	332	21
1007	9.25 [235]	10.15 [258]	.845	379	24
1008	10.15 [258]	11.05 [281]	.951	427	27
1008N	11.05 [281]	11.05 [281]	-	-	-
1009	11.05 [281]	11.95 [304]	1.058	475	30
1010	11.95 [304]	12.85 [326]	1.164	523	33

Note:

The maximum fluid temperature through the system must not exceed 150°F [66°C] and the range (Max. Temp. to Min. Temp.) must not exceed 100°F [38°C].

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
- ___ -GHPDE-USA Galvanized Heel-Proof Ductile Grate - Class E
- ___ -HPDE-USA Heel-Proof 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

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. D DATE: 07/10/13 C.N. NO. 129602
PROD./DWG. NO. ZF806-HDG

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