



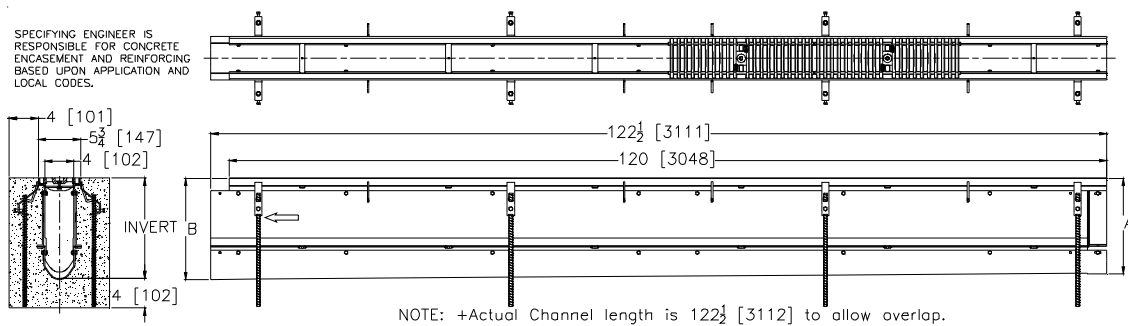
ZF806-HDS-SW

SPECIFICATION SHEET

6 [159] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH DRAIN SYSTEM W/HEAVY-DUTY STAINLESS STEEL FRAME & 8.1 [206] SIDEWALL EXTENSION

TAG _____

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



ENGINEERING SPECIFICATION: Zurn ZF806-HDS-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. 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 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 SBG grates that lock down to frame. Zurn 6 [152] wide reveal Stainless Steel Cast Bar Grate conforming to ASTM specification A351, Grade CF8 (Type 304). Cast grate is rated class E 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 28.6 sq. in per ft. [60,521 sq. mm per meter]. The #10 gage thick Heavy-Duty Stainless Steel Frame Assembly conforms to ASTM specification A240 (Type 304). 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 rear 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 D1.6. 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
 ___ -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
 ___ -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
 ___ -RFS Reinforced Stainless Steel Slotted Grate - Class B
 ___ -RPS Reinforced Stainless Steel Perforated Grate - Class B

Miscellaneous Options

___ -DB Bottom Dome Strainer
 ___ -JC Joint Connector
 ___ -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

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(cfs)	(gpm)	(lps)
1002-SW	12.85 [326]	13.75 [144]	1.271	571	36
1002N-SW	13.75 [349]	13.75 [144]	-	-	-
1003-SW	13.75 [349]	14.65 [166]	1.378	619	39
1004-SW	14.65 [372]	15.55 [189]	1.486	667	42
1004N-SW	15.55 [395]	15.55 [189]	-	-	-
1005-SW	15.55 [395]	16.45 [212]	1.593	715	45
1006-SW	16.45 [418]	17.35 [235]	1.700	763	48
1007-SW	17.35 [441]	18.25 [258]	1.808	811	51
1008-SW	18.25 [464]	19.15 [281]	1.915	860	54
1008N-SW	19.15 [486]	19.15 [281]	-	-	-
1009-SW	19.15 [486]	20.05 [304]	2.023	908	57
1010-SW	20.05 [509]	20.95 [326]	2.131	956	60

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].

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

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

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

REV. B DATE: 1/18/12 C.N. NO. 122657

DWG. NO. 308170 PRODUCT NO. ZF806-HDS-SW

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