

# Z806-HDS

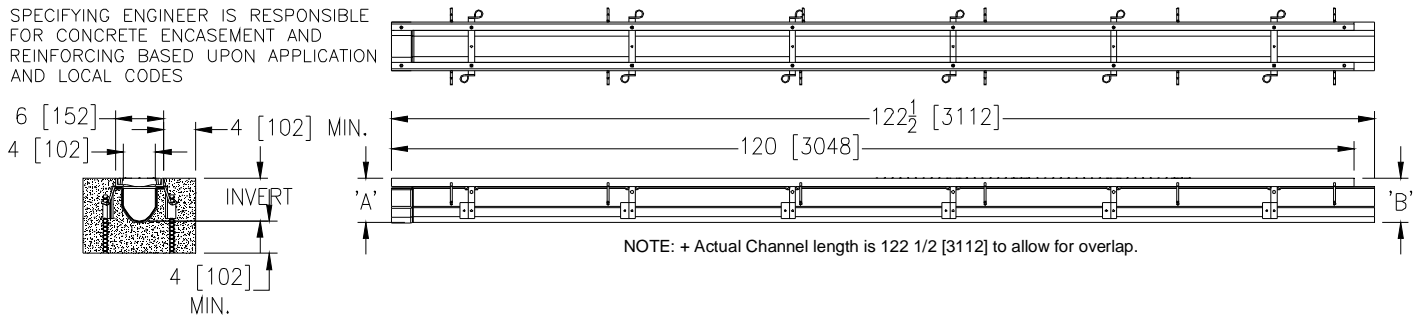
## 6 [159] WIDE REVEAL FIBER REINFORCED POLYMER TRENCH DRAIN SYSTEM WITH HEAVY-DUTY STAINLESS STEEL FRAME

## 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



## ENGINEERING SPECIFICATION: Zurn Z806-HDS

Channels shall be 120 [3048] long, 6 [152] wide and have a 4 [102] 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 [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. 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 classification. Supplied in 20 [508] nominal lengths with 5/16 [8] 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 .105 [2.66] thick Heavy-Duty Stainless Steel Frame Assembly conforms to ASTM specification A-240 (type 304). with 12-4 [102] long concrete anchors per 20 [3048]. Grate lockdown bars are to be integral to the frame. All welds must be performed by a certified welder per ASTM standard AWS D1.6. 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            | ___ | -U2 | 2 [51] No-Hub Bottom Outlet  |
| ___ | -E2 | 2 [51] No-Hub End Outlet  | ___ | -U3 | 3 [76] No-Hub Bottom Outlet  |
| ___ | -E3 | 3 [76] No-Hub End Outlet  | ___ | -U4 | 4 [102] No-Hub Bottom Outlet |
| ___ | -E4 | 4 [102] No-Hub End Outlet | ___ | -U6 | 6 [152] No-Hub Bottom Outlet |
| ___ | -E6 | 6 [152] No-Hub End 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)

- | Decorative Grate Options (Each Classification is per 100 sq. ft.) |
|---|
| ___-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                |

### 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

\* Regularly furnished unless otherwise specified.

Trench No.	'A'	'B'	Flow		
	Shallow Inv.	Deep Inv.	(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

Supplied By:



**877-903-7246**

**www.trenchdrainsupply.com**

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

- | MADE IN THE USA (The following information is for the U.S. only) |   |
|--|---|
| ___ 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)

- |   |   |
|---|---|
| Decorative MADE IN THE U.S.A. (Load Classifications are per DIN EN 12530) |   |
| — -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              |