

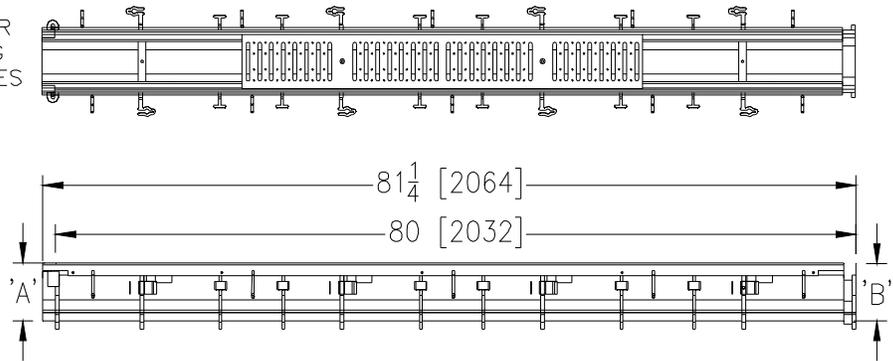
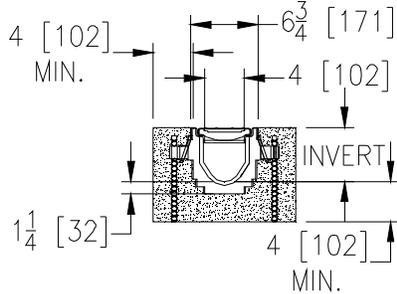


# Z886-HDS-LD

## 6-3/4 [171] WIDE REVEAL TRENCH DRAIN SYSTEM W/ STAINLESS TAG STEEL EXTRA HEAVY-DUTY FRAME ASSEMBLY & LIGHT-DUTY GRATES

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 81 1/4 [2064] to allow for overlap.

### ENGINEERING SPECIFICATION: Zurn Z886-HDS-LD

Channels are 80 [2032] long, 6-3/4 [171] wide reveal and have a 4 [102] throat. Modular channel sections are made of 0% water absorbent High Density Polyethylene (HDPE). Channels have a positive mechanical connection between channel sections that will not separate during the installation and mechanically lock into the concrete surround every 10 [254]. Channels weigh less than 2.31 lbs. [1.05kg] per linear foot, have a smooth, 1.5 [38] radiused self cleaning bottom with a Manning's coefficient of .009 and .75% or neutral 0% built in slope. Channels have rebar clips standard to secure trench in its final location. Channels provided with standard RFSC grates that lock down to frame. Zurn 5-3/8 [137] wide reveal Reinforced Stainless Steel Grate reinforcing conforming to ASTM specification A351, Grade CF8 (type 304), fabricated grate is rated class C per the DIN EN1433 top load classification ANSI Rating Heavy-Duty H20 load rating. Supplied in 40 [1016] nominal lengths with .375 [10] wide slots, and .75 [19] bearing depth. Grate has an open area of 12.0 sq. in per ft. [25,400 sq. mm per meter]. The .105 [2.66] thick Heavy-Duty Stainless Steel Frame Assembly conforms to ASTM specification A-240 (type 304), with 10 - 4 [102] long concrete anchors per 80 [2032]. 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 produced in the U.S.A. The System loading is based upon the grate being used.

### PREFIX OPTIONS (Check/specify appropriate options)

Z Six-foot, Eight-inch High Density Polyethylene (HDPE)\*

### 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

### Frame Options (Load Classifications are per DIN EN1433)

- SW Sidewall Extension - 9 [229] High
- SW2 Sidewall Extension - 18 [457] High

### Grate Options (Load Classifications are per DIN EN1433)

- GG Fiberglass Grate - Class A
- HPP Heel-Proof Polyethylene Grate - Class A
- RFSC Reinforced Stainless Steel Slotted Grate - Class C \*
- RPSC Reinforced Stainless Steel Perforated Grate - Class C
- RPSRC Reinforced Stainless Steel Perforated 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 Circular Decorative Grate - Class C
- DDD Ductile Diagonal Decorative Grate - Class A
- DOG Ductile Decorative Grate - Class B
- DWV Ductile Wave Grate - Class B
- HPB Heel-Proof Bronze Slotted Grate - Class A
- HPS Heel-Proof Stainless Slotted Grate - Class A
- SCD Stainless Steel Circular Decorative Grate - Class B
- SDD Stainless Steel Diagonal Decorative Grate - Class B
- SMG Stainless Steel Mesh Grate - Class A
- SOG Stainless Steel Decorative Grate - Class B

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(cfs)	(gpm)	(lps)
8601	3.50 [89]	4.10 [104]	0.21	93	6
8602	4.10 [104]	4.70 [119]	0.27	122	8
8603	4.70 [119]	5.30 [135]	0.34	152	10
8603N	5.30 [135]	5.30 [135]	-	-	-
8604	5.30 [135]	5.90 [150]	0.41	183	12
8605	5.90 [150]	6.50 [165]	0.48	214	13
8606	6.50 [165]	7.10 [180]	0.55	245	15
8606N	7.10 [180]	7.10 [180]	-	-	-
8607	7.10 [180]	7.70 [196]	0.62	276	17
8608	7.70 [196]	8.30 [211]	0.69	308	19
8609	8.30 [211]	8.90 [226]	0.76	339	21
8610	8.90 [226]	9.50 [241]	0.83	371	23
8611	9.50 [241]	10.10 [257]	0.90	403	25
8612	10.10 [257]	10.70 [272]	0.97	435	27
8612N	10.70 [272]	10.70 [272]	-	-	-
8613	10.70 [272]	11.30 [287]	1.04	467	29
8614	11.30 [287]	11.90 [302]	1.11	498	31
8615	11.90 [302]	12.50 [318]	1.18	530	33

### Decorative MADE in the U.S.A.

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

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

- FS Fabricated Stainless Steel Slotted Grate - Class A
- GG Fiberglass Grate - Class A
- PS Perforated Stainless Steel Grate - Class A

\* Regularly furnished unless otherwise specified.

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