



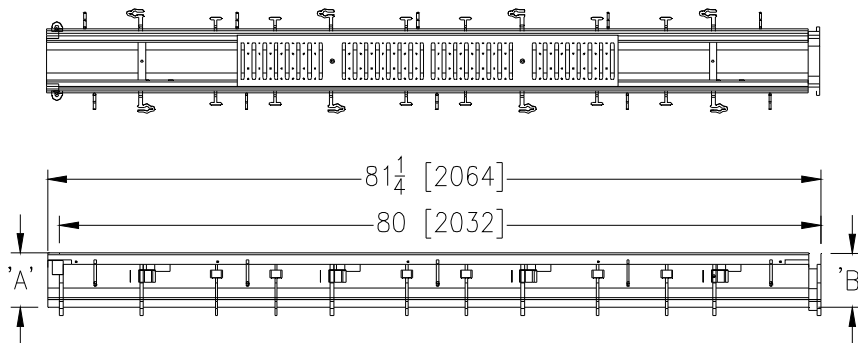
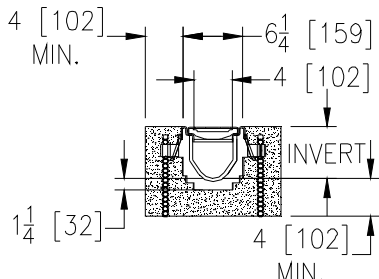
# Z886-HDG-LD

## 6.75 [171] WIDE REVEAL TRENCH DRAIN SYSTEM WITH HEAVY-DUTY GALVANIZED FRAME ASSEMBLY AND LIGHT DUTY GRATES

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



NOTE: + Actual Channel length is 81 1/4 [2064] to allow for overlap.

**ENGINEERING SPECIFICATION:** Zurn Z886-HDG-LD Channels shall be 80 [2032] long, 6.75 [171] wide reveal and have a 4 [102] throat. Modular channel sections shall be made of 0% water absorbent High Density Polyethylene (HDPE). 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, 1.5 [38] radiused self cleaning bottom with a Manning's coefficient of 0.009 and 0.75% or neutral 0% built in slope. Channels shall have rebar clips standard to secure trench in its final location. Shall be provided with standard RFG grates that lock down to frame. Zurn 6 [152] wide reveal Reinforced Galvanized Steel Slotted Grate reinforcing conforming to ASTM specification A536-84, Grade 80-55-06. Fabricated Galvanized Steel grate is rated class B per the DIN EN1433 top load classifications. Supplied in 40 [1016] nominal lengths with 0.375 [10] wide slots, and 0.75 [19] bearing depth. Grate has an open area of 13.68 sq. in per ft. [28,956 sq. mm per meter]. The 0.105 [2.66] thick Heavy-Duty Carbon Steel Galvanized Frame Assembly conforms to ASTM specification A36 with 10 - 4 [102] long concrete anchors per 80 [2032]. Grate lockdown bars are to be integral to the frame and Galvanizing conforms to ASTM specification A123. All welds must be performed by a certified welder per ASTM standard AWS D1.1. Frames Shall be 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**

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

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

- \_\_\_ -HPP Heel-Proof Polyethylene Grate - Class A
- \_\_\_ -RFG Reinforced Galvanized Steel Slotted Grate - Class B \*
- \_\_\_ -RFGC Reinforced Galvanized Steel Slotted Grate - Class C.
- \_\_\_ -RPG Reinforced Galvanized Perforated Grate - Class B
- \_\_\_ -RPGC Reinforced Galvanized Perforated Grate - Class C.
- \_\_\_ -RPGR Reinforced Galvanized Perforated Reverse Punch Anti-Slip Grate - Class B.
- \_\_\_ -RPGRC Reinforced Galvanized Perforated Reverse Punch Anti-Slip Grate - Class C.

**Miscellaneous Options**

- \_\_\_ -VP Vandal-Proof Lockdown
- \_\_\_ -JC Joint Connector
- \_\_\_ -DB Bottom Dome Strainer

**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
- \_\_\_ -GMG Galvanized Steel Mesh Grate - Class A
- \_\_\_ -HPB Heel-Proof Bronze Slotted Grate - Class A

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

- \_\_\_ -AWG Aluminum Wire Grate - Class A
- \_\_\_ -FG Fabricated Galvanized Steel Slotted Grate - Class A
- \_\_\_ -GG Fiberglass Grate - Class A
- \_\_\_ -PG Perforated Galvanized Steel Grate - Class A

**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.

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C.N. No. 131272  
Prod. | Dwg. No. Z886-HDG-LD

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