



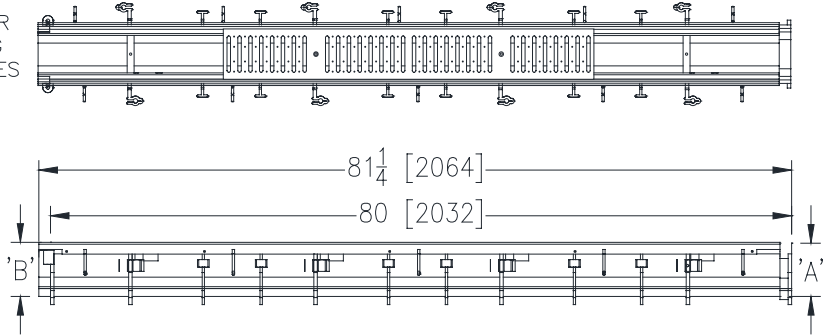
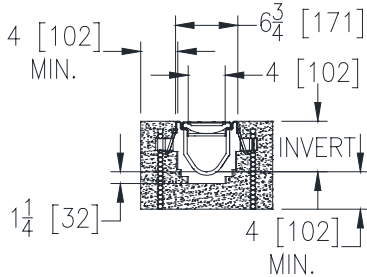
Z886-HDS-LD

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

SPECIFICATION SHEET

TAG _____

Design and 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 shall be 80 [2032] long, 6-3/4 [171] wide reveal and have a 4 [102] throat. Modular channel sections shall be made of 0% water absorbent High Density Polyethylene (HDPE). Channel 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 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 0.009 and 0.75% 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 Reinforced stainless steel cast iron Grate reinforcing conforming to ASTM specification A351, Grade CF8 (type 304). Fabricated grate is rated class C per the DIN EN1433 top load classifications. ANSI Rating Heavy-Duty H20 Load Rating Supplied in 20 [508] nominal lengths with 1/2 [13] wide slots, and 3/4 [19] bearing depth. Grate has an open area of 27.7 sq. in per ft. [58,617 sq. mm per meter]. The 0.105 [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.

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 ___ -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

Frame Options

___ -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 Slotted Stainless Steel Grate - Class C*
___ -RPSC Reinforced Perforated Stainless Steel Grate - Class C
___ -RPSRC Reinforced Perforated Stainless Steel Reverse Punch 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
___ -DMV Ductile Wave Decorative Grate - Class A
___ -HPB Heel-Proof Bronze Slotted Grate - Class A
___ -HPS Heel-Proof Stainless Steel 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

* Regularly furnished unless otherwise specified

⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

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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. (Load Classifications are per DIN EN 1433)

___ -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

MADE in the U.S.A. (Load Classifications are per DIN EN 1433)

___ -FG Fabricated Galvanized Steel Slotted Grate - Class A
___ -GG Fiberglass Grate - Class A
___ -PS Perforated Stainless Steel Grate - Class A
___ -SWG-B Slip Resistant Stainless Steel Wire Grate - Class B
___ -SWG Stainless Steel Wire Grate - Class B

Rev. B
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