



Z886-CBF

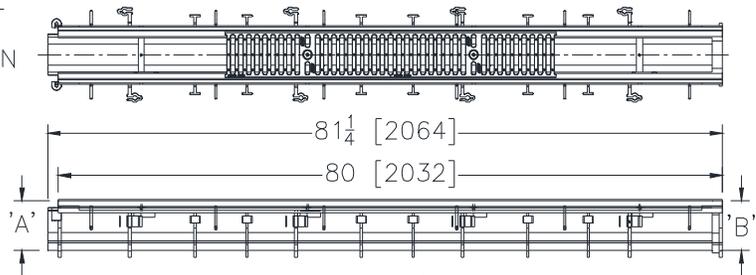
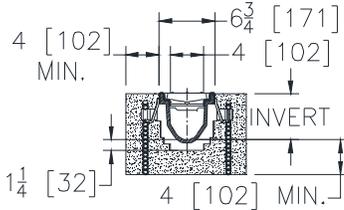
6-3/4 [171] WIDE REVEAL TRENCH DRAIN SYSTEM W/ BLACK ACID POWDER COATED HEAVY-DUTY FRAME

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



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

ENGINEERING SPECIFICATION: Zurn Z886-CBF

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, 1-1/2 [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 DGC grates that lock down to frame. Zurn 5.375 [137] wide reveal Ductile Iron Slotted Grate conforming to ASTM specification A536-84, Grade 80-55-06. Ductile Iron grate is rated class C 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 28.1 sq. in per ft. [59,463 sq. mm per meter]. The .105 [2.67] thick Heavy-Duty Carbon Steel 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. All weld must be performed by a certified welder per ASTM standard AWS D1.1. Frames produced in the U.S.A.

COATING ENGINEERING SPECIFICATION: Black Acid Resistant Coating is TGIC Polyester Powder Coat finish with the following characteristics: film thickness between 2.5 - 6.0 mills, gloss per ASTM D523: 50+, adhesion, cross hatch per ASTM D3359, Method B: 5B, Mandrel bending test ASTM D522: <=3mm (when coating is used on castings, <= 1/4 [6] dia., no fracture), impact test per ASTM D2794, no cracks: 60in-lb min., salt spray resistance 500h ASTM B117: max undercut 1mm, no blistering, pencil hardness ASTM D3363: H-2H. Product shall be prepared for coating by one of the following methods: 3 or 5 stage iron phosphate pretreatment wash and rinse or equal, or complete sandblasting to remove all oils, greases and to etch metal to accept finish coat.

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)

- ___ -BDC Black Acid Resistant Epoxy Coated Ductile Grate - Class C
- ___ -BDE Black Acid Resistant Epoxy Coated Ductile Slotted Grate - Class E
- ___ -BG Galvanized Ductile Iron Bar Grate - Class C
- ___ -DBG Ductile Iron Cast Bar Grate - Class C
- ___ -DC Ductile Iron Solid Cover - Class C
- ___ -DGC Ductile Iron Slotted Grate - Class C *
- ___ -DGE Ductile Iron Slotted Grate - Class E
- ___ -GDC Galvanized Ductile Slotted Grate - Class C
- ___ -GDE Galvanized Ductile Slotted Grate - Class E
- ___ -GG Fiberglass Grate - Class A
- ___ -GHPDE Galvanized Ductile Iron Heel-Proof Slotted Grate- Class E
- ___ -HPDE Heel-Proof Ductile Slotted Grate- Class E
- ___ -RFGC Reinforced Slotted Galvanized Grate- Class C
- ___ -RFSC Reinforced Perforated Stainless Steel Grate- Class C
- ___ -RPGC Reinforced Perforated Galvanized Grate- Class C
- ___ -RPGRC Reinforced Perforated Galvanized Reverse Punch Grate- Class C
- ___ -RPSC Reinforced Perforated Stainless Steel Grate- Class C
- ___ -RPSRC Reinforced Perforated Stainless Steel Reverse Punch Grate- Class C

Decorative Grate Options (Load Classifications are per DIN EN1433)

- ___ -DCD Ductile Iron Circular Decorative Grate - Class C
- ___ -SBG Stainless Steel Bar Grate - Class E

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 [235]	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

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

- ___ -BDE-USA Black Acid Resistant Epoxy Coated Ductile Grate- Class E
- ___ -DCE-USA Dura-Coated Ductile Iron Solid Cover- Class E
- ___ -DGC-USA Ductile Iron Slotted Grate- Class C (Substitute DGE-USA)
- ___ -DGE-USA Ductile Iron Slotted Grate- Class E
- ___ -GDC-USA Galvanized Ductile Slotted Grate - Class C
- ___ -GDE-USA Galvanized Ductile Slotted Grate - Class E
- ___ -GHPDE-USA Galvanized Heel-Proof Ductile Grate- Class E
- ___ -HPDE-USA Heel-Proof Ductile Slotted Grate- Class E
- ___ -PPC Plastic Perforated Grate- Class C

Miscellaneous Options

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

* Regularly furnished unless otherwise specified.

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