



Z886-HDG-SW2

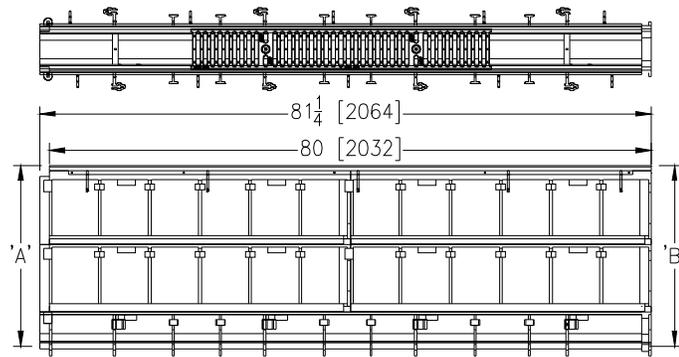
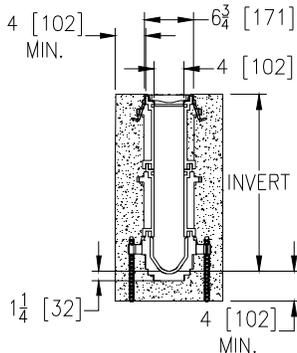
6-3/4 [171] WIDE REVEAL TRENCH DRAIN SYSTEM
WITH GALVANIZED HEAVY-DUTY FRAME AND
TWO 9 [229] SIDEWALL EXTENSIONS

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-SW2

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). 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 0.009 and 0.75% or neutral 0% built in slope. Channels shall have rebar clips standard to secure trench in its final location. Channels shall have HDPE SW Side Walls attached for an additional 18 [457] added to the standard channel invert for additional flow capability shown in chart below. Shall be provided with standard GDC grates that lock down to frame. Zurn 6 [152] wide reveal Galvanized 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. [60,308 sq. mm per meter]. The 0.105 [2.66] thick Heavy-Duty Carbon Steel Galvanized Frame Assembly conforms to ASTM specification A36 and Galvanizing conforms to ASTM specification A123 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 D1.1. Frames Shall be 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
___ -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

___ -LD Light Duty Grates on Heavy Duty Frame

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
___ -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
___ -GHPD Galvanized Heel-Proof Ductile Grate - Class B
___ -GHPDE Galvanized Heel-Proof Ductile Grate - Class E
___ -HPD Heel-Proof Ductile Slotted Grate - Class B
___ -HPDE Heel-Proof Ductile Slotted Grate - Class E
___ -RFGC Reinforced Slotted Galvanized Grate - Class C
___ -RPGC Reinforced Perforated Galvanized Grate - Class C
___ -RPGRC Reinforced Perforated Galvanized Reverse Punch Grate - Class C

Miscellaneous Options

___ -VP Vandal-Proof Lockdown
___ -JC Joint Connector

Trench No.	'A' Shallow Inv.	'B' Deep Inv.	Flow		
			(cfs)	(gpm)	(lps)
8601SW2	21.50 [546]	22.10 [561]	2.33	1045	66
8602SW2	22.10 [561]	22.70 [577]	2.40	1078	68
8603SW2	22.70 [577]	23.30 [592]	2.47	1110	70
8603NSW2	23.30 [592]	23.30 [592]	-	-	-
8604SW2	23.30 [592]	23.90 [607]	2.55	1142	72
8605SW2	23.90 [607]	24.50 [622]	2.62	1175	74
8606SW2	24.50 [622]	25.10 [638]	2.69	1207	76
8606NSW2	25.10 [638]	25.10 [638]	-	-	-
8607SW2	25.10 [638]	25.70 [653]	2.76	1239	78
8608SW2	25.70 [653]	26.30 [668]	2.83	1272	80
8609SW2	26.30 [668]	26.90 [683]	2.91	1304	82
8610SW2	26.90 [683]	27.50 [699]	2.98	1336	84
8611SW2	27.50 [699]	28.10 [714]	3.05	1369	86
8612SW2	28.10 [714]	28.70 [729]	3.12	1401	88
8612NSW2	28.70 [729]	28.70 [729]	-	-	-
8613SW2	28.70 [729]	29.30 [744]	3.19	1433	90
8614SW2	29.30 [744]	29.90 [759]	3.27	1466	92
8615SW2	29.90 [759]	30.50 [775]	3.34	1498	94

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

___ -BDE-USA Black Acid Resistant Epoxy Coated Ductile Grate - 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

USA Miscellaneous Options

___ -DB Bottom Dome Strainer

REV. C DATE: 02/11/13 C.N. NO. 124315

DWG. NO. 302009 PRODUCT NO. Z886-HDG-SW2

*REGULARLY FURNISHED UNLESS OTHERWISE SPECIFIED

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