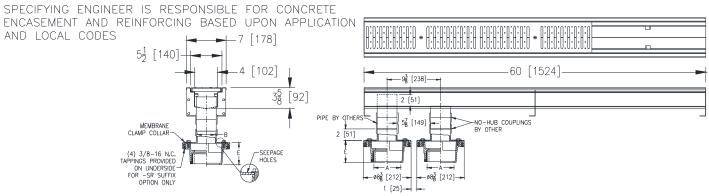


## **Z890-109** 7 [178] WIDE REVEAL TRENCH DRAIN SYSTEM W/LOWER DRAIN ASSEMBLY

SPECIFICATION SHEET

TAG

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



## ENGINEERING SPECIFICATION: Zurn Z890-109

Channels are 60" [1524mm]long, 7" [178mm] wide, 4" [102mm] throat, and a 3-5/8" [92mm] depth. Modular channel sections are made of 16 ga. fabricated Stainless Steel conforming to ASTM A-240 (type 304). Channels have a bolted, flanged connection between channel sections that will not separate during the installation, gaskets available. Channels weigh less than 2.31 lbs. [1.05kg] per linear foot, have a smooth, 1-1/2" [38mm] radiused self cleaning bottom with a Manning's coefficient of .009 and 1.04% or neutral 0% built in slope. Channels have feet for patty pour or leveling studs standard to secure trench in its final location. Channels are provided with standard FS grates that lock down to frame. Zurn 6" [152mm] wide reveal Fabricated Stainless Steel Grate conforming to ASTM specification A-240, (type 304), is rated class A per the DIN EN1433 top load classification. Supplied in 40" [1016mm] nominal lengths with 5/16" [8mm] wide slots, and 3/4" [19mm] bearing depth. Grate has an open area of 12.00 sq. in per ft. [7,742 sq. mm per meter]. Channels shall be produced in the U.S.A. Complete with 2" [51mm] overflow, and No-hub bottom outlet for connection to Z415 lower body assembly is dura coated cast iron with clamp collar and weep holes.

| 2.3.4 [51,76,102]       C       Inside Caulk       3-7/8 [98]       Pipe Size       Trench Outlet         2.3.4 [51,76,102]       IP       Threaded       2-3/8 [60]       Pipe Size       Trench Outlet         3 [76]       IP       Threaded       2-5/8 [67]       2.3.4 [51,76,102]       IN       No-Hub         2.3.4 [51,76,102]       IP       Threaded       2-7/8 [73]       [51,76,102]       [51,76]         2.3.4 [51,76,102]       IN       No-Loc       3-3/4 [95]       [51,76,102]       [51,76]         2.51]       3 [76]       4 [102]       [51]       [51,76]       [51,76]       [51,76]         PEFEX OPTIONS (Check/specify appropriate options)       [51]       [51,76]       [51,76]       [51,76]         SUFFIX OPTIONS (Check/specify appropriate options)       [51]       [51]       [51]       [51]         Outlet Adapters Add/Each  | PIPE SIZE (Lower Body) (Specify size/type) OUTLET 'E' BODY HT. DIM.  |   |             |         |
|--|--|---|-------------|---------|
| 2 [51]       IP       Threaded       2-3/8 [60]         3 [76]       IP       Threaded       2-5/8 [67]         4 [102]       IP       Threaded       2-7/8 [73]         2.3.4 [51,76,102]       NL       NN       No-Hub       3-7/8 [98]         2.3.4 [51,76,102]       NL       No-Loc       3-3/4 [95] <b>NO-HUB BOTTOM OUTLET SIZE (Trench)</b> 2 [51]       3 [76]       4 [102]  | 2,3,4 [51,76,102]       IC       Inside Caulk       3-7/8 [98]         2,3,4 [51,76,102]       IG       Inside Gasket       3-7/8 [98] |   |             |         |
| 3 [76]       IP       Threaded       2-5/8 [67]       2,3,4       2,3,4       2,3,4       [51,76,102]       IP       Threaded       27/8 [73]       [51,76,102]       [51,76]  |  | L | '           |         |
| 2.3.4 [51,76,102]       NH No-Hub       3-7/8 [98]       [51,76,102]       [51,76]         2.3.4 [51,76,102]       NL Neo-Loc       3-3/4 [95]       [51,76,102]       [51,76]         2.51]       3 [76]       4 [102]  | 3 [76] IP Threaded 2-5/8 [67]  | Γ |             |         |
| NO-HUB BOTTOM OUTLET SIZE (Trench)         2 [51]       3 [76]       4 [102]         PREFIX OPTIONS (Check/specify appropriate options)  | 2,3,4 [51,76,102] NH No-Hub 3-7/8 [98]   |   | [51,76,102] | [51,76] |
| 2 [51]       3 [76]       4 [102]         PREFIX OPTIONS (Check/specify appropriate options)        Z       Five-foot, Type 304 Stainless Steel*         SUFFIX OPTIONS (Check/specify appropriate options)         Outlet Adapters Add/Each        F1       Closed End Cap      U2        F2       Closed End Cap      U2        F4       Closed End Cap      U2        F5       Fiberglass Grate - Class A  |  |   |             |         |
| Z       Five-foot, Type 304 Stainless Steel*         SUFFIX OPTIONS (Check/specify appropriate options)         Outlet Adapters Add/Each        E1       Closed End Cap         -F1       Closed End Cap         -U2       2 [51] No-Hub Bottom Outlet         Grate Options (Load Classifications are per DIN EN1433)         -G       Fiberglass Grate - Class A         -HPD       Heel-Proof Ductile Slotted Grate - Class A         -HPD       Heel-Proof Bronze Slotted Grate - Class A         -HPB       Heel-Proof Bronze Slotted Grate - Class A         -HPS       Fabricated Stainless Steel Slotted Grate - Class A         -PS       Peforated Stainless Steel Raised Grate - Class A         -PS       Peforated Stainless Steel Raised Grate - Class A         -PS       Peforated Stainless Steel Raised Grate - Class A         -PS       Peforated Stainless Steel Raised Grate - Class A         -PS       Peforated Stainless Steel Raised Grate - Class A         -SWG  |  |   |             |         |
| Outlet Adapters Add/Each        E1 Closed End Cap      2 2 [51] No-Hub Bottom Outlet         Grate Options (Load Classifications are per DIN EN1433)   |  |   |             |         |
| <ul> <li>-E1 Closed End CapU2 2 [51] No-Hub Bottom Outlet</li> <li>Grate Options (Load Classifications are per DIN EN1433)</li> <li>GG Fiberglass Grate - Class A</li> <li> +HPD Heel-Proof Ductile Slotted Grate - Class B</li> <li>Decorative Grate Options (Load Classifications are per DIN EN1433)</li> <li></li></ul>  | SUFFIX OPTIONS (Check/specify appropriate options)   |   |             |         |
| <ul> <li>-GG Fiberglass Grate - Class A</li> <li>-HPD Heel-Proof Ductile Slotted Grate - Class B</li> <li>Decorative Grate Options (Load Classifications are per DIN EN1433)</li> <li>-DWV Ductile Wave Decorative Grate - Class A</li> <li>-HPB Heel-Proof Bronze Slotted Grate - Class A</li> <li>-HPS Heel-Proof Stainless Steel Slotted Grate - Class A</li> <li>-HPS Heel-Proof Stainless Steel Slotted Grate - Class A</li> <li>-HPS Heel-Proof Stainless Steel Slotted Grate - Class A</li> <li>-PS Fabricated Stainless Steel Slotted Grate - Class A</li> <li>PS Perforated Stainless Steel Slotted Grate - Class A</li> <li>PSR Perforated Stainless Steel Grate - Class A</li> <li>SWG Stainless Steel Wire Grate - Class A</li> <li>-SWG Stainless Steel Wire Grate - Class A</li> <li>SWG Stainless Steel Wire Grate - Class A</li> <li>-VP Vandal-Proof Lockdown</li> <li>LOWER BODY OPTIONS (Check/specify appropriate options)</li> <li>-A All Acid Resisting Epoxy (Lower Body)</li> <li>-G Galvanized Cast Iron (Lower Body)</li> <li>-G Salvanized Cast Iron (Lower Body)</li> <li>-P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Adv/Ass'y)</li> </ul>   |  |   |             |         |
| Decorative Grate Options (Load Classifications are per DIN EN1433)         -DWV       Ductile Wave Decorative Grate - Class A         -HPB       Heel-Proof Bronze Slotted Grate - Class A         -HPS       Heel-Proof Stainless Steel Slotted Grate - Class A         -HPS       Heel-Proof Stainless Steel Slotted Grate - Class A         MADE in the U.S.A. (Load Classifications are per DIN EN1433)         -FS       Fabricated Stainless Steel Slotted Grate - Class A         -PS       Perforated Stainless Steel Grate - Class A         Decorative MADE in the U.S.A. (Load Classifications are per DIN EN1433)         -PS       Perforated Stainless Steel Raised Grate - Class A         -PS       Perforated Stainless Steel Raised Grate - Class A         -SWG       Stainless Steel Wire Grate - Class A         Miscellaneous Options       -         -VP       Vandal-Proof Lockdown         LOWER BODY OPTIONS (Check/specify appropriate options)       -         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Casted Cast Iron (Lower Body)         -G       Galvanized Cast Iron (Lower Body)         -P   | GG Fiberglass Grate - Class A  |   |             |         |
| <ul> <li>-DWV Ductile Wave Decorative Grate - Class A         <ul> <li>-HPB Heel-Proof Bronze Slotted Grate - Class A</li> <li>-HPS Heel-Proof Stainless Steel Slotted Grate - Class A</li> </ul> </li> <li>MADE in the U.S.A. (Load Classifications are per DIN EN1433)         <ul> <li>-FS Fabricated Stainless Steel Slotted Grate - Class A</li> <li>-PS Perforated Stainless Steel Grate - Class A</li> </ul> </li> <li>Decorative MADE in the U.S.A. (Load Classifications are per DIN EN1433)         <ul> <li>-FS Fabricated Stainless Steel Grate - Class A</li> </ul> </li> <li>Decorative MADE in the U.S.A. (Load Classifications are per DIN EN1433)         <ul> <li>-PSR Perforated Stainless Steel Raised Grate - Class A</li> <li>-SWG Stainless Steel Wire Grate - Class A</li> </ul> </li> <li>Miscellaneous Options         <ul> <li>-DB Drop-In Bucket Strainer</li> <li>-VP Vandal-Proof Lockdown</li> </ul> </li> <li>LOWER BODY OPTIONS (Check/specify appropriate options)         <ul> <li>-AA All Acid Resisting Epoxy (Lower Body)</li> <li>-AR Acid Resisting Epoxy Coated Cast Iron (Lower Body)</li> <li>-G Galvanized Cast Iron (Lower Body)</li> <li>-P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Stabilizer Ring (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body)</li> </ul> </li> </ul> | HPD Heel-Proof Ductile Slotted Grate - Class B   |   |             |         |
| <ul> <li>HPB Heel-Proof Bronze Slotted Grate - Class A</li> <li>HPS Heel-Proof Stainless Steel Slotted Grate - Class A</li> <li>MADE in the U.S.A. (Load Classifications are per DIN EN1433)</li> <li>FS Fabricated Stainless Steel Slotted Grate - Class A</li> <li>PS Perforated Stainless Steel Grate - Class A</li> <li>Decorative MADE in the U.S.A. (Load Classifications are per DIN EN1433)</li> <li>PSR Perforated Stainless Steel Grate - Class A</li> <li>SWG Stainless Steel Wire Grate - Class A</li> <li>SWG Stainless Steel Wire Grate - Class A</li> <li>Miscellaneous Options         <ul> <li>-DB Drop-In Bucket Strainer</li> <li>-VP Vandal-Proof Lockdown</li> </ul> </li> <li>LOWER BODY OPTIONS (Check/specify appropriate options)         <ul> <li>-AA All Acid Resisting Epoxy (Lower Body)</li> <li>-AR Acid Resisting Epoxy Coated Cast Iron (Lower Body)</li> <li>-G Galvanized Cast Iron (Lower Body)</li> <li>-P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Nature Ring (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Nature Ring Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Nature Ring Lower Body)</li> </ul> </li> </ul>   |  |   |             |         |
| MADE in the U.S.A. (Load Classifications are per DIN EN1433)         -FS       Fabricated Stainless Steel Slotted Grate - Class A*         -PS       Perforated Stainless Steel Grate - Class A         Decorative MADE in the U.S.A. (Load Classifications are per DIN EN1433)         -PSR       Perforated Stainless Steel Raised Grate - Class A         -PSR       Perforated Stainless Steel Raised Grate - Class A         -SWG       Stainless Steel Wire Grate - Class A         Miscellaneous Options       -         -DB       Drop-In Bucket Strainer         -VP       Vandal-Proof Lockdown         LOWER BODY OPTIONS (Check/specify appropriate options)         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Lower Body)         -B       Galvanized Cast Iron (Lower Body)         -AR       Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Lower Body)         -B       Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)         -SR       Stabilizer Ring (Lower Body Ass'y)  | -HPB Heel-Proof Bronze Slotted Grate - Class A   |   |             |         |
| -FS       Fabricated Stainless Steel Slotted Grate - Class A *         -PS       Perforated Stainless Steel Grate - Class A         Decorative MADE in the U.S.A. (Load Classifications are per DIN EN1433)         -PSR       Perforated Stainless Steel Raised Grate - Class A         -SWG       Stainless Steel Wire Grate - Class A         Miscellaneous Options       -         -DB       Drop-In Bucket Strainer         -VP       Vandal-Proof Lockdown         LOWER BODY OPTIONS (Check/specify appropriate options)         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Lower Body)         -G       Galvanized Cast Iron (Lower Body)         -P       Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)         -SR       Stabilizer Ring (Lower Body Ass'y)   | MADE in the U.S.A. (Load Classifications are per DIN EN1433)   |   |             |         |
| -PSR       Perforated Stainless Steel Raised Grate - Class A         -SWG       Stainless Steel Wire Grate - Class A         Miscellaneous Options       -DB         -DB       Drop-In Bucket Strainer         -VP       Vandal-Proof Lockdown         LOWER BODY OPTIONS (Check/specify appropriate options)         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy Coated Cast Iron (Lower Body)         -G       Galvanized Cast Iron (Lower Body)         -P       Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)         -SR       Stabilizer Ring (Lower Body Ass'y)  | -FS Fabricated Stainless Steel Slotted Grate - Class A *   |   |             |         |
| <ul> <li>SWG Stainless Steel Wire Grate - Class A</li> <li>Miscellaneous Options         <ul> <li>-DB Drop-In Bucket Strainer</li> <li>-VP Vandal-Proof Lockdown</li> </ul> </li> <li>LOWER BODY OPTIONS (Check/specify appropriate options)         <ul> <li>-AA All Acid Resisting Epoxy (Lower Body)</li> <li>-AR Acid Resisting Epoxy Coated Cast Iron (Lower Body)</li> <li>-G Galvanized Cast Iron (Lower Body)</li> <li>-P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Ass'y)</li> </ul> </li> </ul>   |  |   |             |         |
| -DB       Drop-In Bucket Strainer         -VP       Vandal-Proof Lockdown         LOWER BODY OPTIONS (Check/specify appropriate options)         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy (Cower Body)         -G       Galvanized Cast Iron (Lower Body)         -P       Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)         -SR       Stabilizer Ring (Lower Body Ass'y)  |  |   |             |         |
| -VP       Vandal-Proof Lockdown         LOWER BODY OPTIONS (Check/specify appropriate options)         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy Coated Cast Iron (Lower Body)         -G       Galvanized Cast Iron (Lower Body)         -P       Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)         -SR       Stabilizer Ring (Lower Body Ass'y)   |  |   |             |         |
| LOWER BODY OPTIONS (Check/specify appropriate options)         -AA       All Acid Resisting Epoxy (Lower Body)         -AR       Acid Resisting Epoxy Coated Cast Iron (Lower Body)         -G       Galvanized Cast Iron (Lower Body)         -P       Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)         -SR       Stabilizer Ring (Lower Body Ass'y)   |  |   |             |         |
| <ul> <li>-AA All Acid Resisting Epoxy (Lower Body)</li> <li>-AR Acid Resisting Epoxy Coated Cast Iron (Lower Body)</li> <li>-G Galvanized Cast Iron (Lower Body)</li> <li>-P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Ass'y)</li> </ul>  |  |   |             |         |
| <ul> <li>-AR Acid Resisting Epoxy Coated Cast Iron (Lower Body)</li> <li>-G Galvanized Cast Iron (Lower Body)</li> <li>-P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)</li> <li>-SR Stabilizer Ring (Lower Body Ass'y)</li> </ul>   | -AA All Acid Resisting Epoxy (Lower Body)  |   |             |         |
| Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)     SR Stabilizer Ring (Lower Body Ass'y)  | -AR Acid Resisting Epoxy Coated Cast Iron (Lower Body)   |   |             |         |
| TC Near Last Caster (2014) A LET 4021 ML Outlet Only (1 over Padu)   | -P Trap Primer Conn. (Specify 1/2 [13] or 3/4 [19]) (Lower Body)   |   |             |         |
| 1C Neo-Loc rest cap Gasker (2-4 [51-102] NE Oditet Only) (Lower Body)  | IC Neo-Loc Test Cap Gasket (2-4 [51-102] NL Outlet Only)(Lower Body)   |   |             |         |
| -90 90° Threaded Side Outlet Body (2-3 [51-76] only) (Lower Body)  | 90 90° Threaded Side Outlet Body (2-3 [51-76] only) (Lower Body)   |   |             |         |
| * Regularly furnished unless otherwise specified.  | * Regularly furnished unless otherwise specified.  |   |             |         |
| Zurn Industries, LLC   Specification Drainage Operation     Rev.       1801 Pittsburgh Avenue, Erie, PA, U.S.A. 16502 · Ph. 855-663-9876, Fax 814-454-7929     Detter of (4.0.440)   |  | - |             |         |

1801 Pittsburgh Avenue, Erie, PA U.S.A. 16502 · Ph. 855-663-9876, Fax 814-454-7929 In Canada | **Zurn Industries Limited** 3544 Nashua Drive, Mississauga, Ontario L4V 1L2 · Ph. 905-405-8272, Fax 905-405-1292