

**Z100F**

FLOFORCE™ HIGH PERFORMANCE ROOF DRAIN

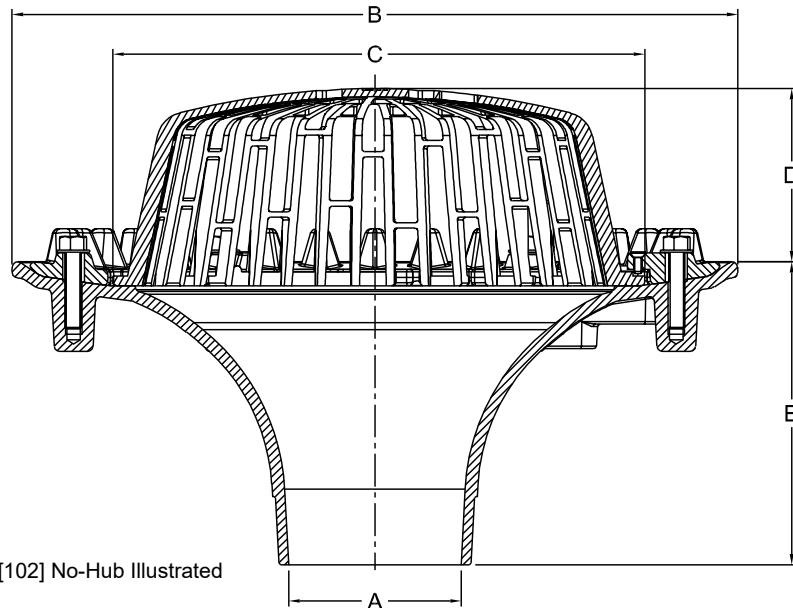
DESIGNED TO DRIVE EFFICIENT FLOW PERFORMANCE

SPECIFICATION SHEET

TAG _____

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

PATENT PENDING



A Outlet Size In. [mm]	B Body Diameter In [mm]	C Dome Diameter In [mm]	D Height, Roof to Dome Top In [mm]	Weight lbs [kg]	Dome Open Area Sq. In. [cm ²]
2,3,4 [51,76,102]	16-9/16 [421]	12-5/16 [313]	4 [102]	31 [14]	121 [780]
6,8 [152, 203]	20-3/32 [510]	15-7/8 [403]	6 [152]	43 [19]	214 [1380]

ENGINEERING SPECIFICATION: ZURN Z100F

FLOFORCE™ High efficient flow performing roof drain. Roof drain engineered to evacuate water off of roof structure by incorporating a smooth funnel-shaped interior surface, providing a seamless transition to outlet connection, and eliminating internal obstructions. Complete with Dura-Coated cast iron body with combination membrane flashing clamp/gravel guard and low silhouette Poly-Dome. Flashing clamp/gravel guard provided to prevent debris from entering the drain while allowing water to immediately pass through at zero head level. Poly-dome designed to maximize effective open area and promote efficient flow. (Refer to pages 2-6 for flow curves.)

OPTIONS (Check/specify appropriate options)**PIPE SIZE**

2, 3, 4 [51, 76, 102]
6, 8 [152, 203]
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6 [152]
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6, 8 [152, 203]
3, 4 [76, 102]
6 [152]

PREFIXES

Z D.C.C.I. Body with Poly-Dome* ZA D.C.C.I. Body with Aluminum Dome ZC D.C.C.I. Body with Cast Iron Dome

SUFFIXES

-AR	Acid Resistant Epoxy Coated	-SC	Secondary Clamp Collar
-C	Underdeck Clamp	-TC	Neo-Loc Test Cap Gasket (2, 3, 4 [51, 76, 102] NL Bottom Outlet Only)
-DP	Top-Set® Deck Plate (Replaces both the -C and -R)	-VP	Vandal-Proof Secured Top
-DR	Top-Set® Drain Riser	-84	Stainless Steel Perforated Gravel Guard
-E	Static Extension 1 [25] thru 4 [102] (Specify Ht.)	-85	Stainless Steel Perforated Extension
-EA	Adjustable Extension Assembly 2-1/8 [54] thru 3-1/2 [89]	-89	2 [51] High Overflow Dam
-G	Galvanized Cast Iron	-89-3	3 [76] High Overflow Dam
-R	Roof Sump Receiver	-89-4	4 [102] High Overflow Dam

* Regularly furnished unless otherwise specified

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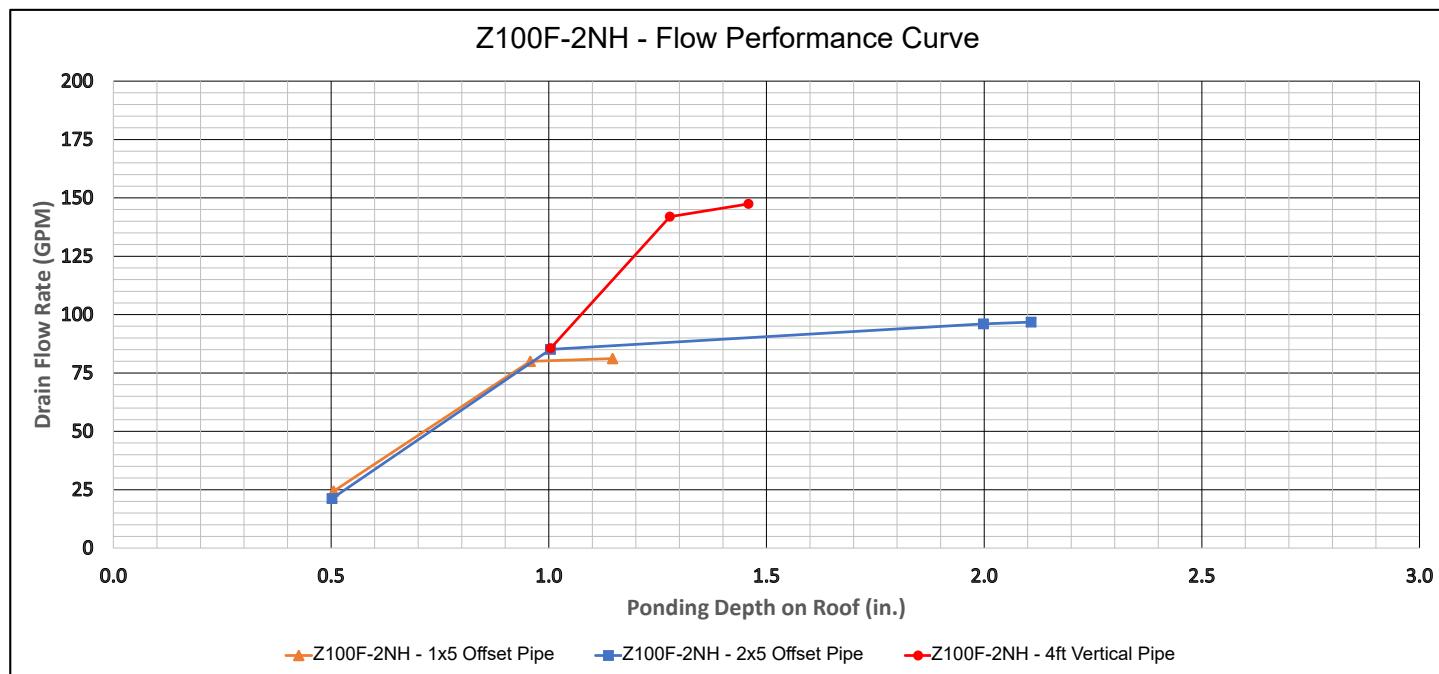
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Results obtained from application of flow measurement procedures indicate a flow rate achieved under laboratory conditions, utilizing a test apparatus in accordance with ASME A112.6.9, and one of three alternative discharge configurations. The test stand and procedure reduce the effects of uncontrollable variables that exist on a roof setting. All added elements of drainage design will increase or decrease flow rates obtained in testing. Variables such as wind, vortices, debris, roof design, roof obstructions, roof slope, micro-bursts, etc. can significantly change flow rate over what is reported here. Designers are advised to consider these and other possible variables in roof drainage system design.

1x5 Offset Pipe Outlet		2x5 Offset Pipe Outlet		4ft Vertical Pipe Outlet	
Roof Ponding Depth (in.)	Flow Rate (GPM)	Roof Ponding Depth (in.)	Flow Rate (GPM)	Roof Ponding Depth (in.)	Flow Rate (GPM)
0.51	24.38	0.50	21.20	1.00	85.60
0.96	79.97	1.00	85.12	1.28	141.96
1.15	81.16	2.00	96.00	1.46	147.43
-	-	2.11	96.76	-	-



Z100F-2NH



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www.zurn.com

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Prod. | Dwg. No. Z100F FLOFORCE™ Page 2 of 6

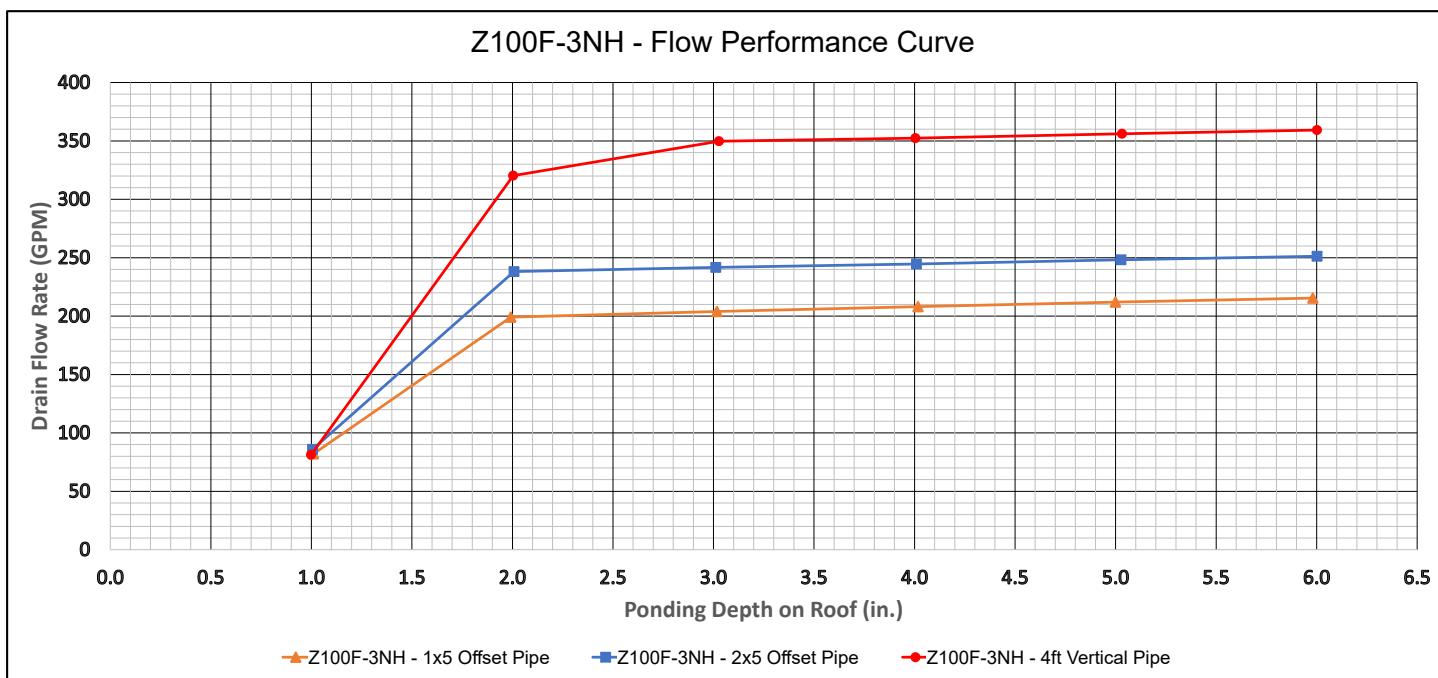
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Roof Ponding Depth (in.)	Flow Rate (GPM)	Roof Ponding Depth (in.)	Flow Rate (GPM)	Roof Ponding Depth (in.)	Flow Rate (GPM)
1.01	82.11	1.01	86.03	1.00	81.33
1.99	199.19	2.01	238.08	2.00	320.28
3.02	203.94	3.01	241.77	3.03	349.76
4.02	208.12	4.01	244.59	4.00	352.40
5.00	211.92	5.03	248.20	5.03	356.12
5.98	215.47	6.00	251.24	6.00	359.25

**Z100F-3NH****⚠ 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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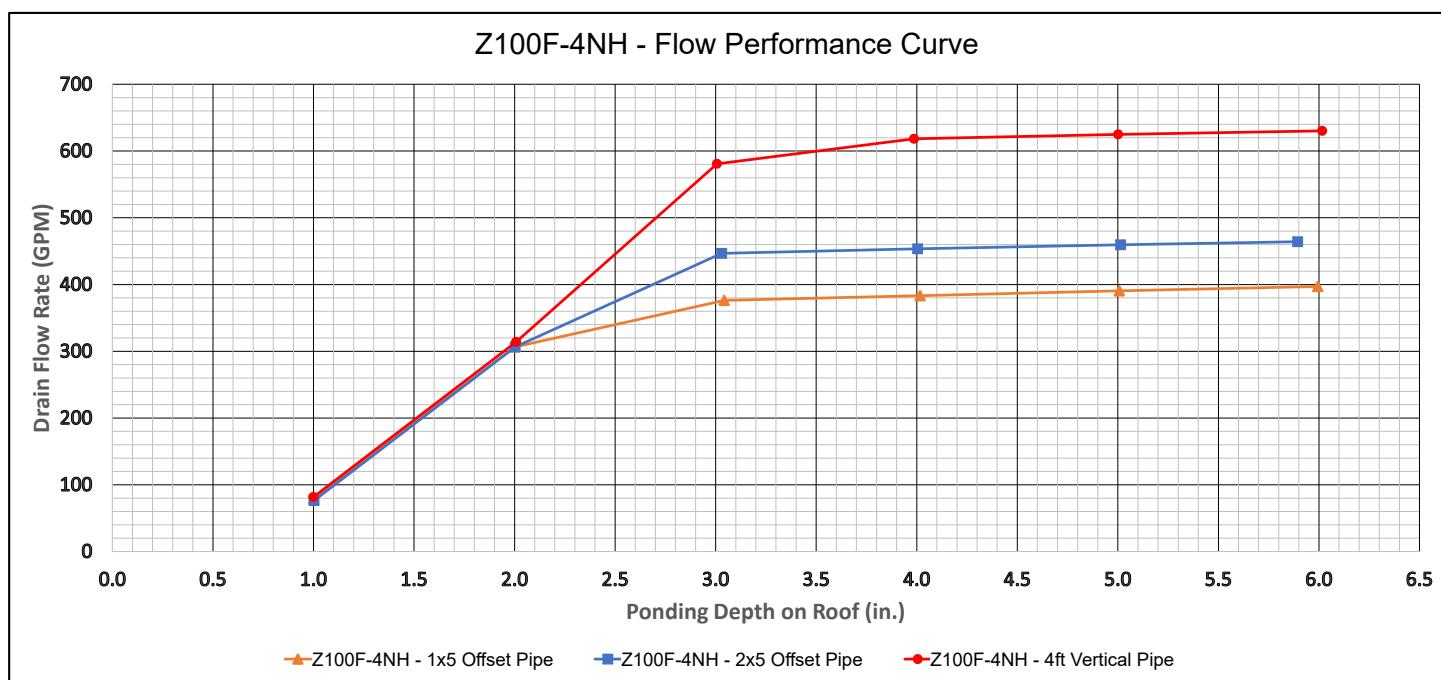
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1.00	79.31	1.00	76.30	1.00	81.68
2.00	306.65	2.00	306.58	2.01	314.14
3.04	376.36	3.03	446.73	3.01	580.74
4.02	383.20	4.01	453.45	3.99	618.29
5.01	390.66	5.01	459.53	5.00	624.89
5.99	397.10	5.89	464.23	6.02	630.21



Z100F-4NH

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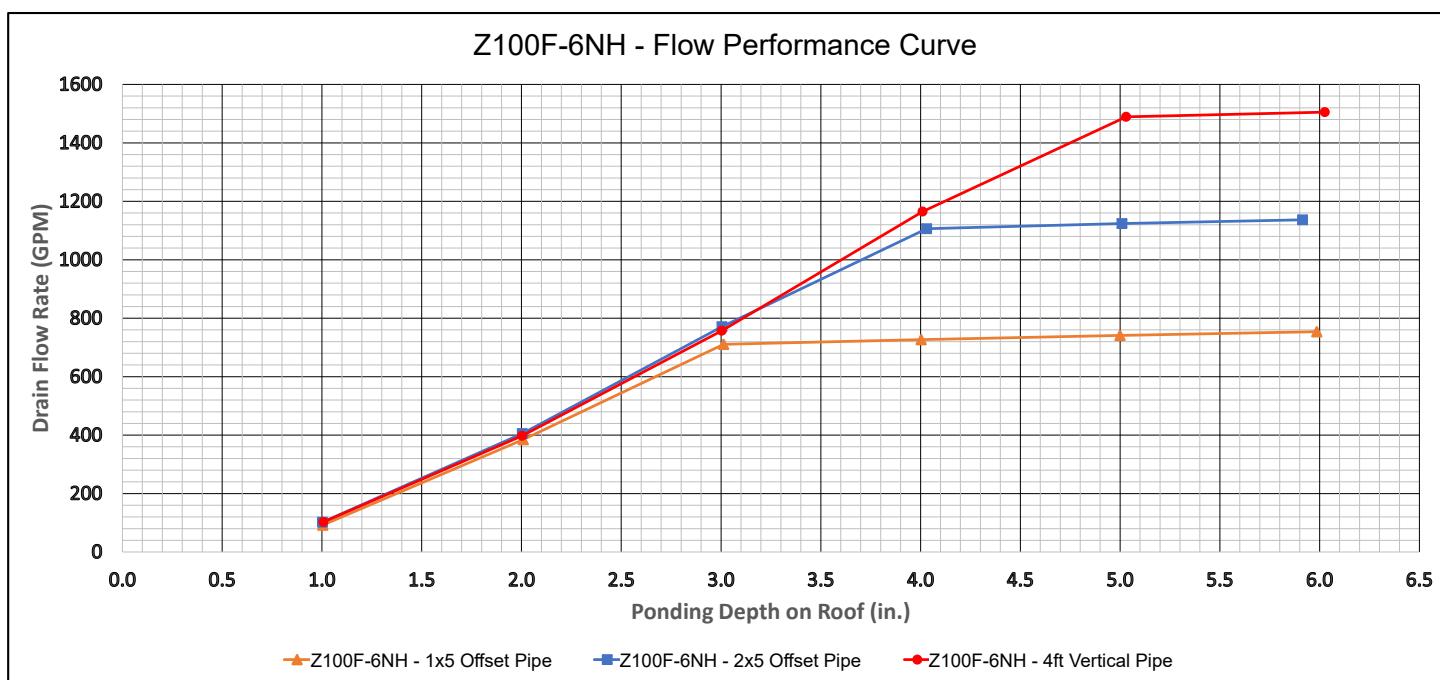
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Roof Ponding Depth (in.)	Flow Rate (GPM)	Roof Ponding Depth (in.)	Flow Rate (GPM)	Roof Ponding Depth (in.)	Flow Rate (GPM)
1.00	92.08	1.00	102.10	1.01	102.46
2.01	384.97	2.00	405.17	2.00	397.65
3.01	710.94	3.01	770.96	3.00	757.11
4.00	726.79	4.03	1106.19	4.01	1164.82
5.00	741.10	5.01	1123.76	5.03	1489.41
5.99	753.63	5.91	1136.69	6.03	1505.44



Z100F-6NH

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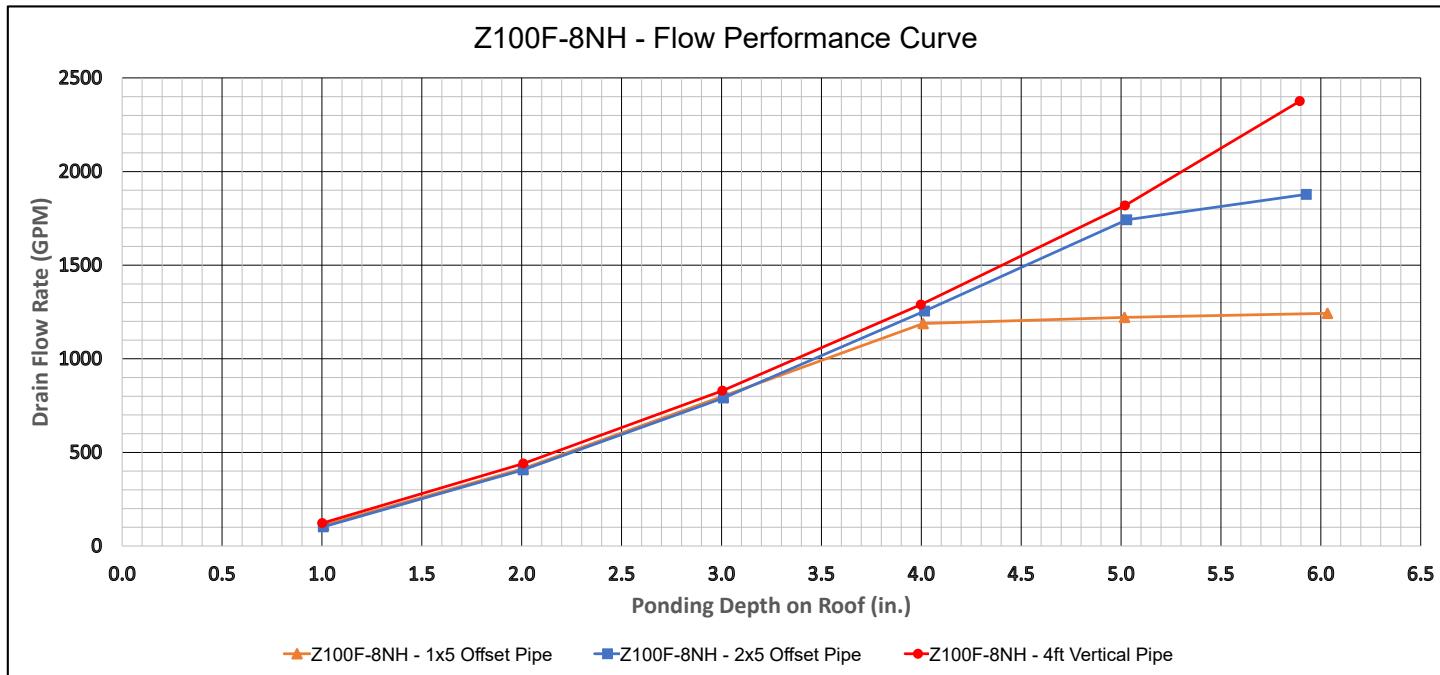
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1.01	110.90	1.01	102.17	1.00	122.23
2.01	414.12	2.01	406.68	2.01	440.68
3.01	800.68	3.01	790.24	3.00	829.67
4.01	1188.29	4.02	1254.48	4.00	1289.54
5.02	1221.28	5.03	1742.09	5.02	1818.32
6.03	1242.80	5.93	1878.10	5.90	2376.50



Z100F-8NH

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