

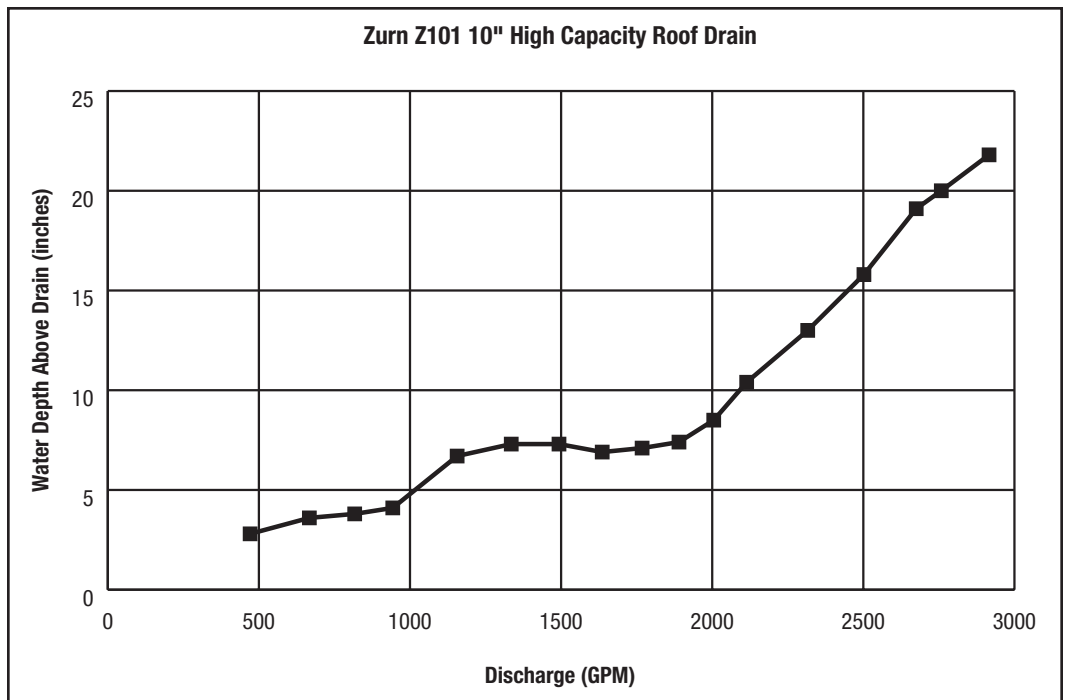
Z101 HIGH CAPACITY 20" DIAMETER MAIN ROOF DRAIN

Many regions are affected by tropical storms and other weather phenomenon making it necessary to transport large amounts of runoff water as fast and efficiently as possible. For these applications, Zurn offers the Z101 High Capacity Roof Drain. The Z101 High Capacity Roof Drain is over 30 percent larger than standard size roof drains, making it the most efficient flowing roof drain available through the market, comparing depth of head versus flow rate.

When designing roof drainage systems in regions where a large amount of water can build up on the roof in a short period of time, extra consideration should be given to roof drain location and outlet pipe diameter. The Z101 High Capacity Roof Drain is available in 8-, 10-, and 12-inch outlet sizes. It is common during severe storms for water to be blown by wind to one side of the roof area. This could create a situation that exceeds the weight limits of the roof support, resulting in a roof collapse. To avoid this situation, the Z101 High Capacity Roof Drain should be utilized and located to remove the water buildup as quickly as possible.

The Z101 High Capacity Roof Drain has been independently lab tested and designed for maximum flow effectiveness, taking into consideration the design of the drain body, outlet size, clamp collar, and dome strainer. The following table illustrates performance of the Z101 roof drain.

| Discharge (GPM) | Water Depth Above Drain (Inches) |
|-----------------|----------------------------------|
| 471 | 2.8 |
| 667 | 3.6 |
| 817 | 3.8 |
| 943 | 4.1 |
| 1156 | 6.7 |
| 1335 | 7.3 |
| 1493 | 7.3 |
| 1636 | 6.9 |
| 1768 | 7.1 |
| 1890 | 7.4 |
| 2005 | 8.5 |
| 2114 | 10.4 |
| 2316 | 13.0 |
| 2502 | 15.8 |
| 2675 | 19.1 |
| 2758 | 20.0 |
| 2916 | 21.8 |



Water Temperature: 40°F

Test Facility: St. Anthony Falls Laboratory

Test Date: November 17, 1997