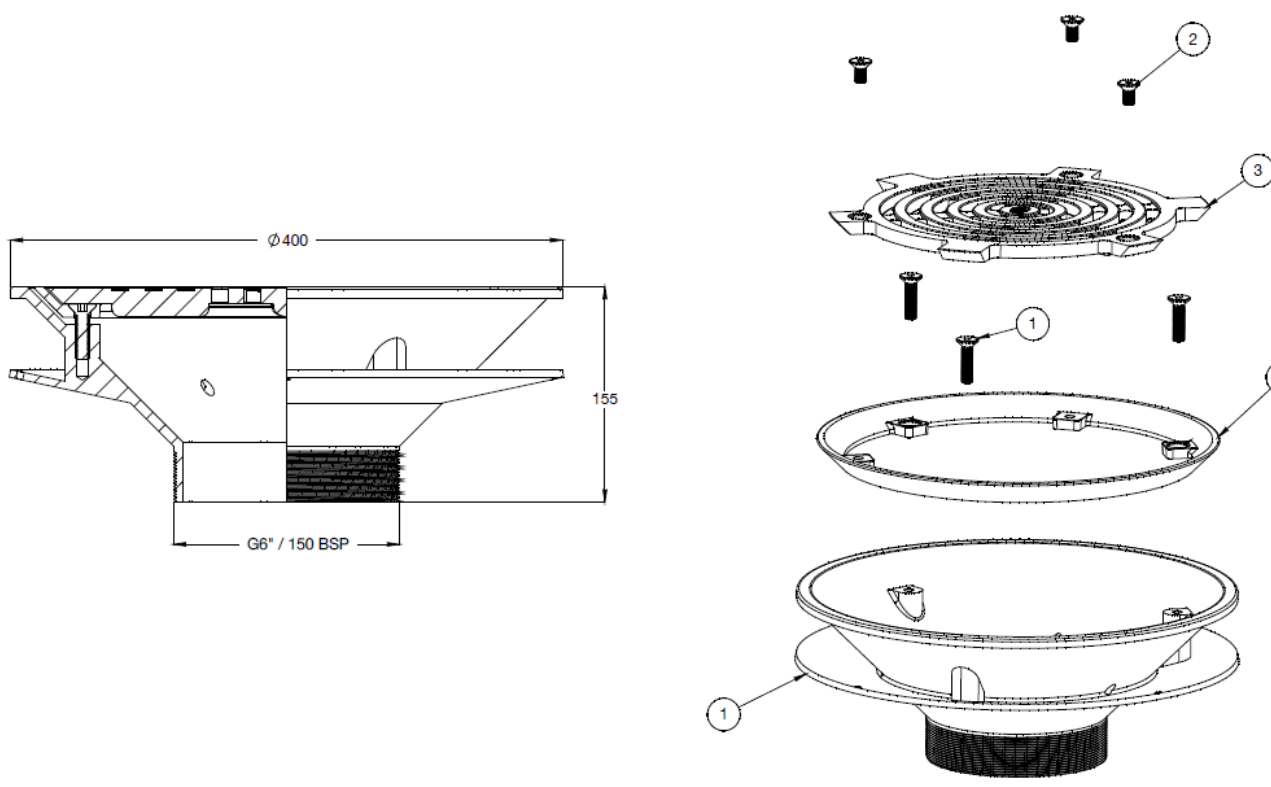
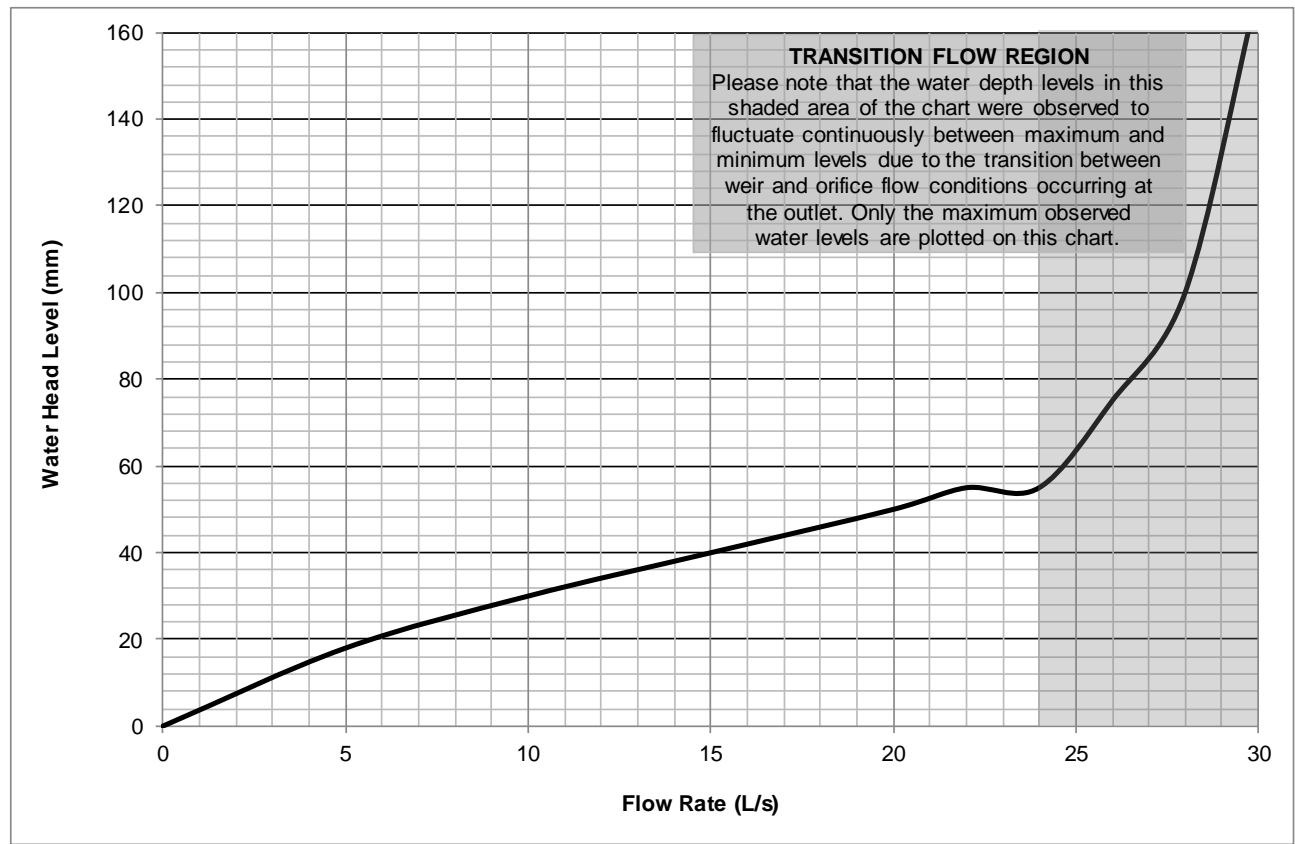


**OUTLET PERFORMANCE CERTIFICATE**

**ID: GAL VIN ENGINEERING 285122 – DI HI-FLOW FLAT GRATE 150BSP**

Test Results		ID: 285122
<b>Description</b>	DI Hi-Flow Flat Vert Rainwater Outlet (W/- Mem C/Ring) 150BSP	
<b>Drain Type</b>	Ø150mm Flat Grate	
<b>Model</b>	285122	
<b>Outlet Size</b>	Ø150mm	
<b>Test Date</b>	14/07/2017	
<b>Grate Drawing</b>		
		
<b>Downpipe Configuration Tests</b>	Standard pipe configurations as shown in Figures 3-6 of AHSCA Research Foundation - Flow Capacity and Water Level Test Protocol for Roof and Balcony Drainage Outlets	

**Flow Characteristic Curve – 285122 – DI HI-FLOW FLAT GRATE 150BSP**



5.0 L/s (18 mm)



20 L/s (50 mm)

**Observation Comments:**

- Flow curves for all outlet configurations were similar up until approximately 24L/s.
- Transition flows occurred at flowrates above 24L/s. However, the maximum observed flow depth is recorded in the outlet performance curve.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,  
Chief Researcher:



Mark Alexander,  
AHSCA Foundation Chairman:



Date: 27<sup>th</sup> July 2017

Date: 27<sup>th</sup> July 2017