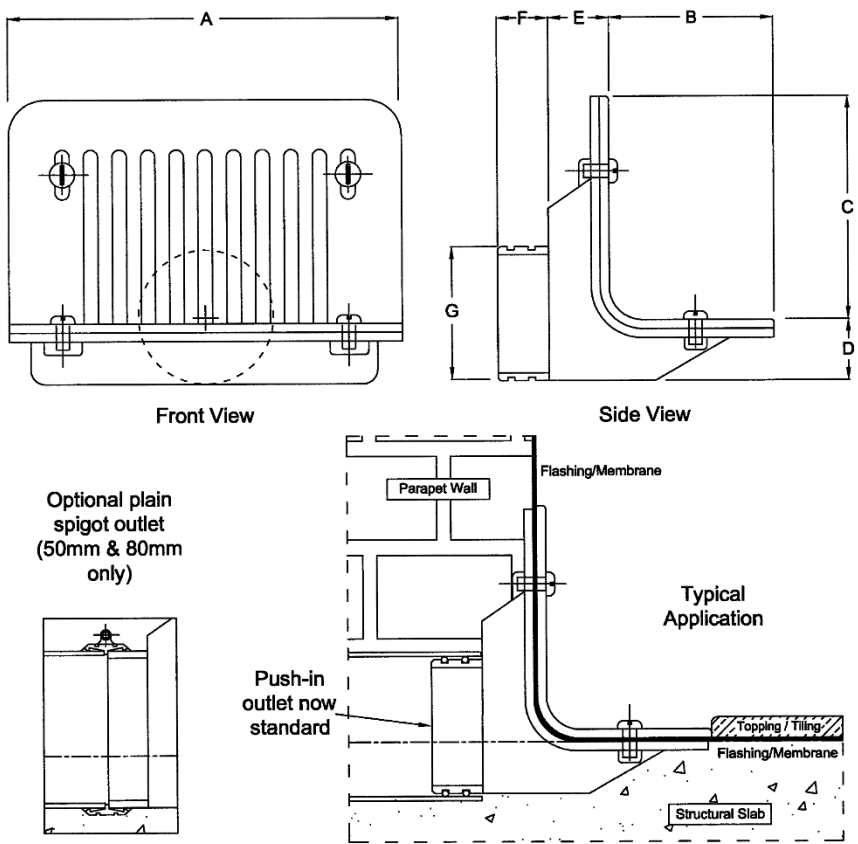
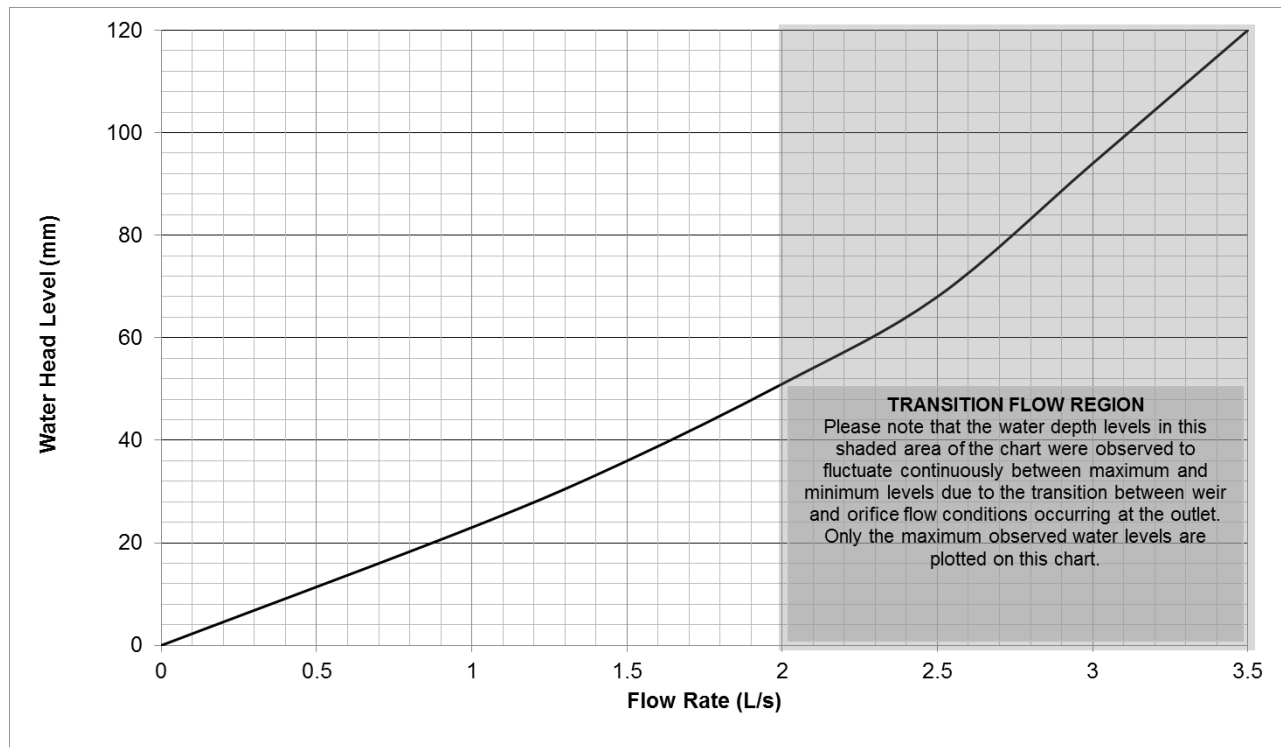


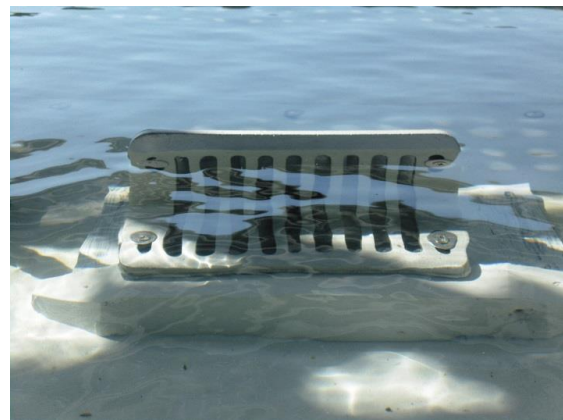
**OUTLET PERFORMANCE CERTIFICATE ID: SPS036 - PD80CS**

Test Results		ID: SPS036
<b>Description</b>	SPS Parapet Drains	
<b>Drain Type</b>	80mm	
<b>Model</b>	PD80CS	
<b>Outlet Size</b>	80NB	
<b>Test Date</b>	11/10/2016	
<b>Grate and Housing Drawing</b>	 <p style="text-align: center;">SPS Catalogue Ref: 1.13</p>	
<b>Drain Pipe Configuration</b>	<p>Standard pipe configuration as shown in AHSCA test procedure.</p> <p>This outlet was mounted with the 80NB oring connection.</p> <p>The outlet is raised 60mm above the tank surface for mounting purposes. Visual water levels need to be corrected 60mm.</p>	

**Flow Characteristic Curve – PD80CS**



Weir Flow – 2 L/s (50mm)



Surcharged Flow – 3.5 L/s (120mm)

**Observation Comments:**

- Flow rates from 0-2.0 L/s (50mm Head) produced a flat characteristic curve with weir flow conditions.
- At 2.5 L/s the weir flow transitioned to vortex flow, then to surcharged flow at 3.5 L/s (120mm) characterised by a sudden priming of the outlet and water level fluctuating 50mm.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

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: 16<sup>th</sup> November 2016

Date: 16<sup>th</sup> November 2016