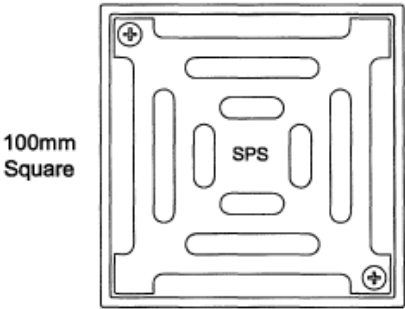
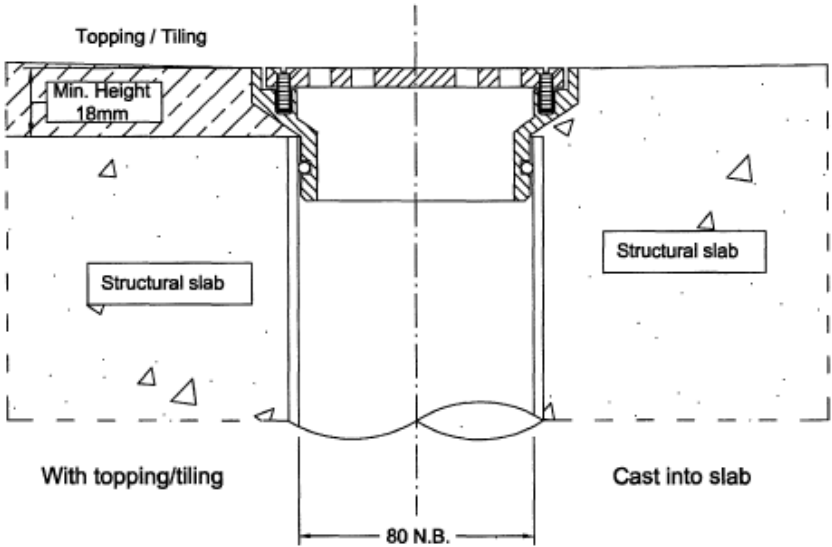
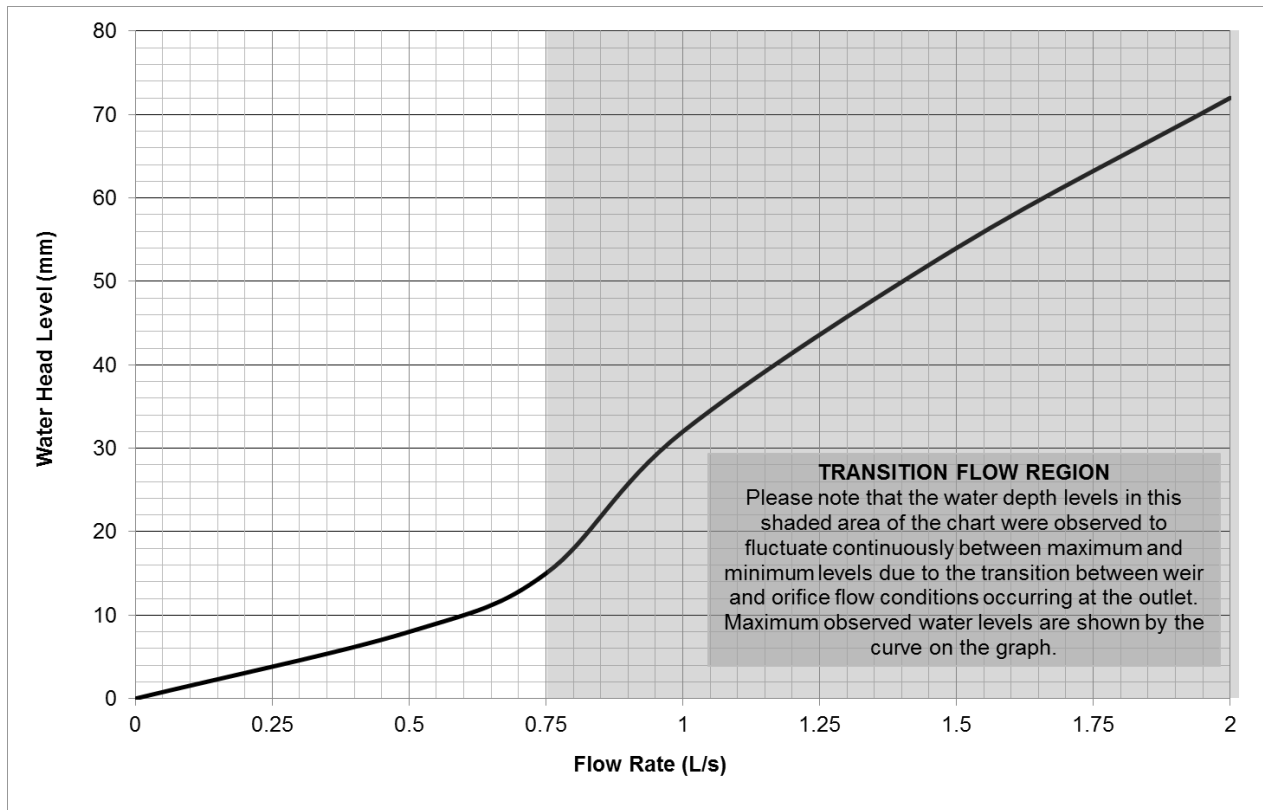


OUTLET PERFORMANCE CERTIFICATE ID: SPS001 – Q100/80SR

Test Results		ID: SPS001
Description	SPS Push In Floor Drain	
Drain Type	100 mm Square	
Model	Q100/80SR	
Outlet Size	80NB	
Test Date	10/10/2016	
Grate Drawing	 <p>SPS Catalogue Ref: 2.05</p>	
Housing Drawing	<p>Typical Applications</p> 	
Drain Pipe Configuration	<p>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</p> <p>A 5 mm O-ring seal was used at the pipe connection.</p>	

Flow Characteristic Curve - Q100/80SR



Weir Flow – 0.75 L/s (14 mm)



Orifice Flow – 1.5 L/s (50 mm)

Observation Comments:

- Flow rates from 0 - 0.75 L/s (14 mm Head) produced a linear characteristic curve.
- At 1.0 L/s the weir flow transitioned to orifice flow conditions.
- Flow rates between 1.0 - 2.0 L/s were observed to fluctuate between weir and orifice conditions. The maximum stable water level achieved was 70 mm at a flowrate of 2.0L/s. Increasing the flowrate beyond this value caused the tank to surcharge.
- The maximum flow limit to maintain weir flow conditions was 0.75 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: 16th November 2016

Date: 16th November 2016