



Avac supplied and commissioned a unique vacuum drainage solution for the RNA Showground Industrial Pavilion in Brisbane. The challenge that faced NDY as lead design engineers was to drain an elevated exhibition floor with **“a 5000 square metre footprint and maintain fall in less than 250mm under the slab.”** The client required a car and truck parking facility and could not afford the height loss to drain the exhibition floor services pits by conventional gravity drainage.

Christopher Plumbing together with Bovis Lend Lease as managing contractor turned to Avac Australia to again deliver an Australian first in high technology drainage solutions. The drainage pits needed to be throughout the hall on a 12x12 metre grid allowing for practical use of the exhibition floor. As vacuum drainage enables the pipework to step up it maintained the height requirements for the car park and also enabled the drainage to be easily routed around fire and electrical services.

Using electronic controls the system can be dynamically adjusted to deal with different conditions and waste types.

Avac Australia specialises in vacuum toilet and drainage solutions in addition to electronic water management systems. Contact Avac on 1300 123 451 or via [www.avac.com.au](http://www.avac.com.au)



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Commissioned:	2012
Project Size:	5000 m2
Model:	AVAC-3200-221
Number of Drainage Points:	15 buffers
Max Continuous Flow:	90lpm
Architect:	Cox Rayner
Hydraulic Consultants:	NDY
Construction Contractor:	Bovis Lend Lease
Installing Contractor:	Christopher Contracting Pty Ltd.