

K9000 2.0 Twin Layout Information and Specifications





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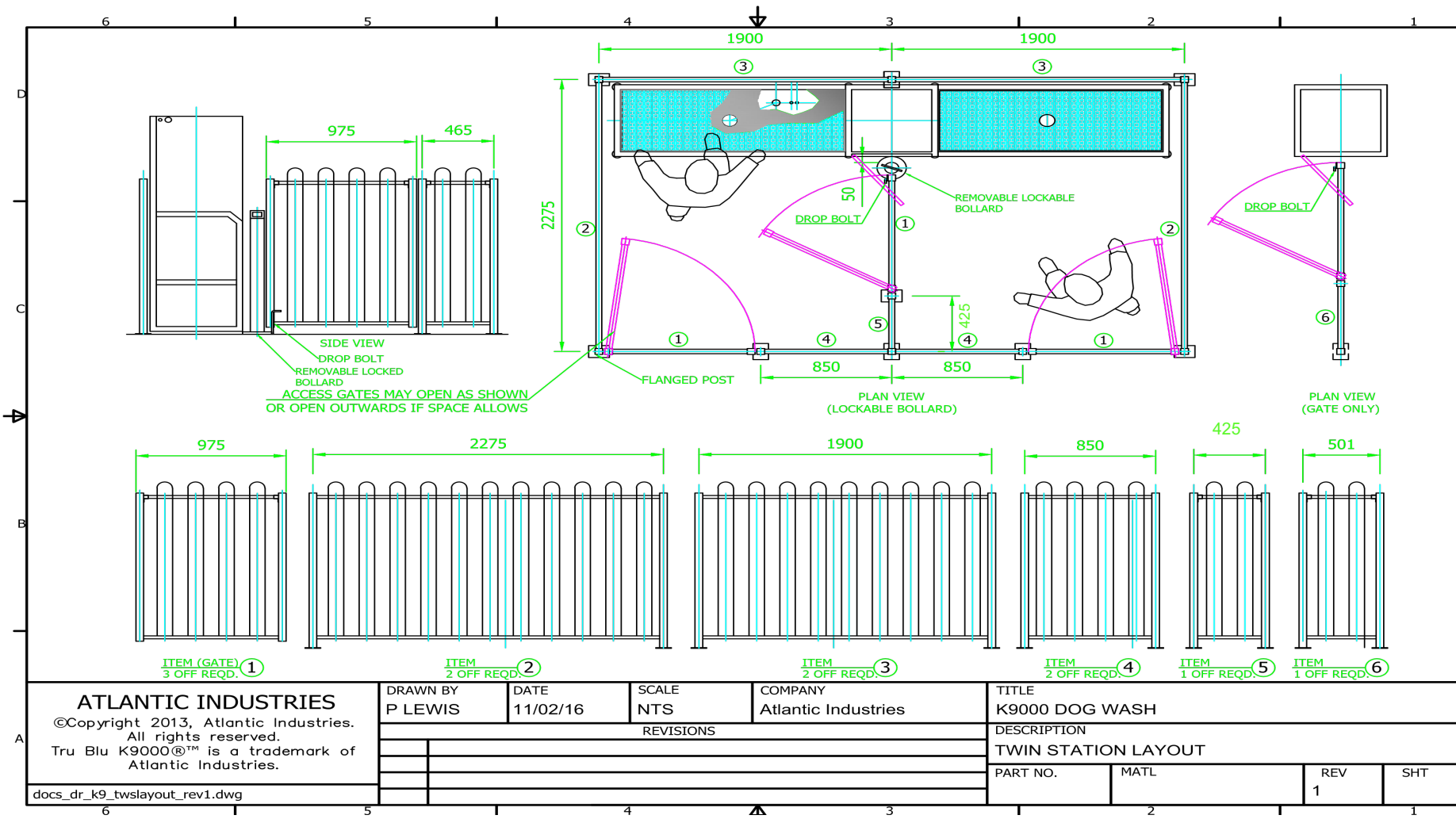
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1 K9000 2.0 Twin Station Layout

The below layout plan includes both the materials and measurements required for the recommended installation, with site requirements being the same whether the installation is to be indoors or outdoors.

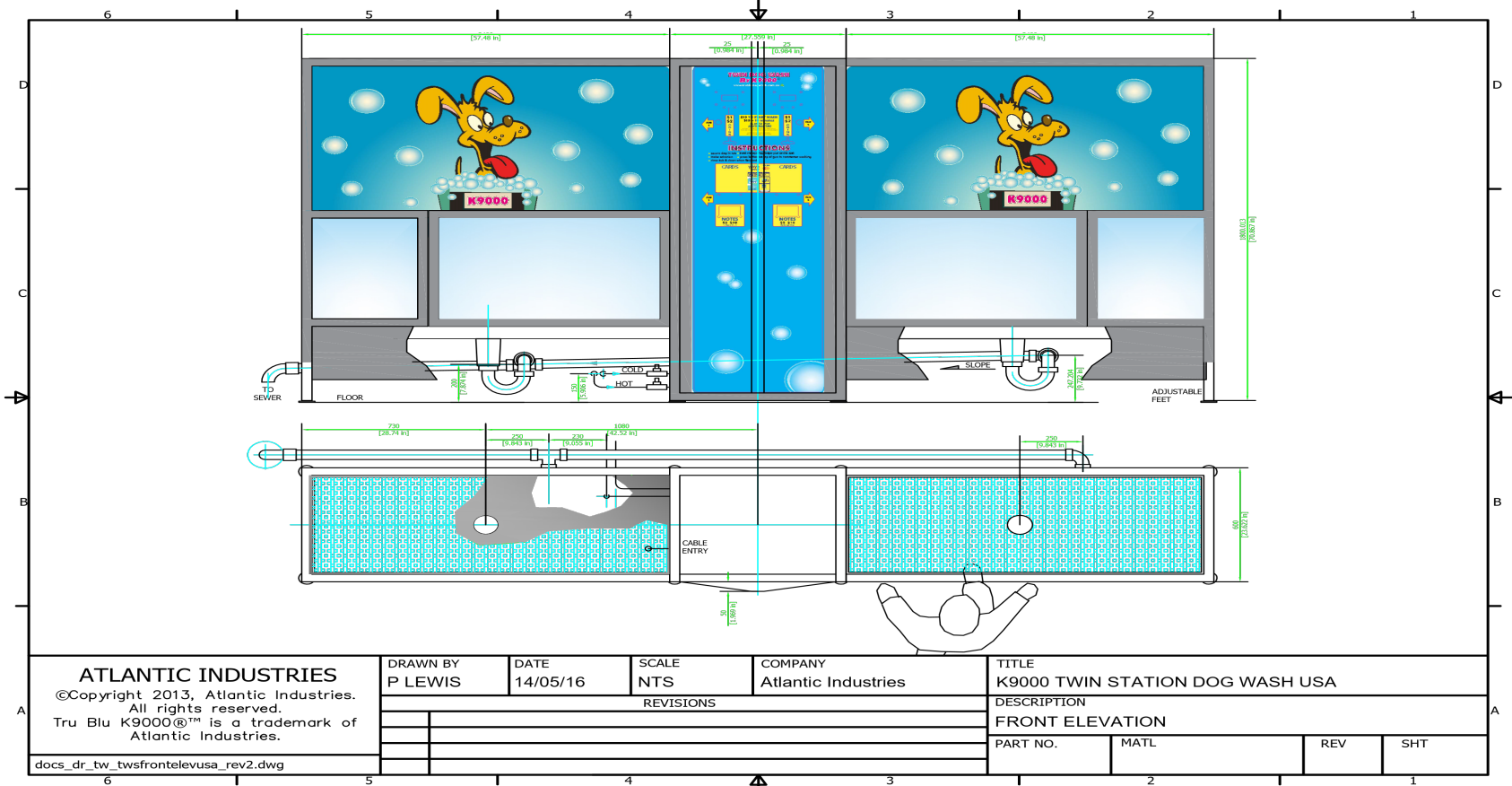


2 System Specifications

SYSTEM WITHOUT ON BOARD HOT WATER UNIT		
Power	240V	25 AMP
WATER Inlet Pressure (Min) 40psi / 275kpa	Hot	½" Ball valve
	Cold	½" Ball valve
WATER Inlet Pressure (Max) 72psi / 500kpa	Hot	½" Ball valve
	Cold	½" Ball valve
COLD WATER Inlet temperature	Minimum	5 Degrees Celsius
	Maximum	30 Degrees Celsius
HOT WATER Inlet temperature	Minimum	55 Degrees Celsius
	Maximum	65 Degrees Celsius
Factory Set water temperature	35 Degrees Celsius at wash gun	
WATER Maximum Operating Pressure 50psi / 350kpa	Factory set via water regulator	
FILTRATION x2	Primary	Stainless steel mesh filter
	Secondary	Vinidex DBA Lic. No. WMKA20071
Back Flow Prevention Device	Connections to be protected by a "high hazard" backflow prevention device. i.e. "RPZ" or Registered "Air-GAP" Recommended Watts 009M3-AUS RP 15 or 20mm AS2845.1 Lic WMKA1335	
WASTE x2	50mm DIA Outlets as well as, a minor trade waste application to be made to the local water regulator (Contact your local water authority trade waste division)	
DIMENSIONS / WEIGHT		
Dimensions	Length 3650mm / Height 1850mm / Depth 640mm	
Weight	Left Hand Side 260kg – Right Hand Side 90kg (Total weight 350kg)	
APPROVALS		
Risk assessment performed by IAPMO (NATA accredited laboratory)		
IEC 61000-6-3:2006 Electromagnetic compatibility (EMC) – Part 6.3: Generic standards – Emission standard for residential, commercial and light-industrial environments		
AS/NZS 60335.2.75:2005 + Admt 2009 in relation to vending machines AS 60204.1:2005 'Safety of machinery – Electrical equipment of machines, General Requirements'		
IEC 61000-6-1: 2005 Electromagnetic compatibility (EMC) Generic standards. Immunity for residential, commercial and light-industrial environments.		
ATS 5200.101:2005 – Strength of Assembly		
EPA Registered Noise tested rating of 66dba @ 4 meters		
CSA Field Tested – Each machine is CSA inspected and labelled		
USAGES		
Water usage: 16 to 20 litres per minute, where both units in operation (40-50 litres per single dog wash)		
Average power usage per wash cycle is .76kwh (dependent on hot water source)		

3 Waste

The diagram highlights two possible waste options, direct into ground waste or piped to an existing waste point.



3.1 Existing Sites

Shown below is a K9000 2.0 Twin that has been installed into an existing room. The two 50mm connection points were run through the back wall to the existing waste point (*Note: only 1 of the 2 waste points shown in photo*). Other possibilities are to run the two 50mm connection points along the walls to an existing waste point/s.



3.2 New Sites

Shown below is a K9000 2.0 Twin that has been installed at a new site where the site has allowed for the waste points as part of construction (*Note: only 1 of the 2 waste points shown in photo*). Note, new sites may also utilise external waste points, and run the connections through or along the walls.



4 Hot Water

Hot water must be sourced from the site, as there is no place in the dog wash cabinet to place an onboard hot water heater.

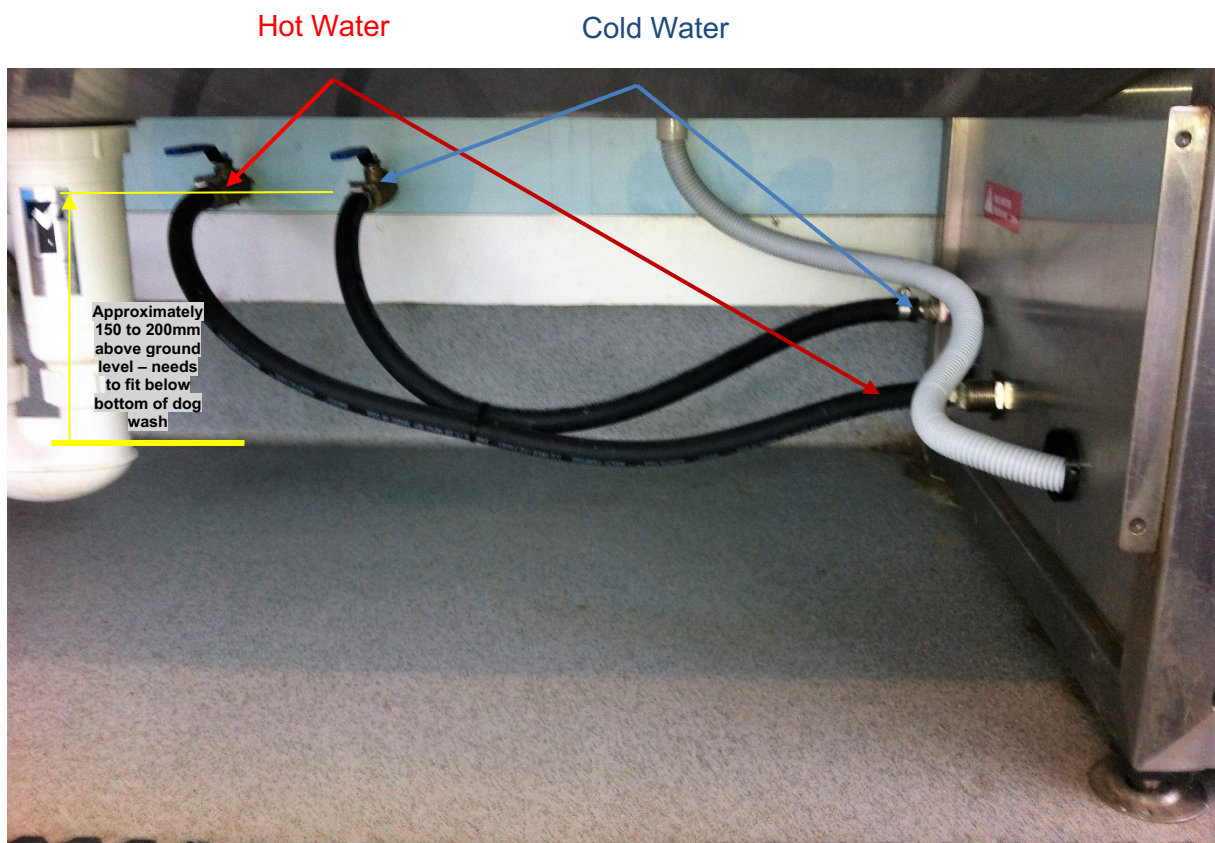
Important It is strongly recommended a dedicated hot water system be used as your existing hot water system may or may not be suitable for the dog wash. Furever Clean Dog Wash are only too happy to consult with you in assessing your current hot water system and advising on a suitable onboard hot water system to ensure the dog wash will operate at its maximum efficiency.

4.1 Site Supplied Hot Water

The Twin does not come with an onboard hot water heater. This needs to be purchased by the Business Owner and mounted in the dog wash area. The diagram below shows a K9000 2.0 Twin installed at a site that supplied their own hot water.

Requirements for External Hot Water Heater includes handling a combined water usage of 4.5GPM. Capable of heating the water to heat the water to 32-34 degrees Celsius.

**Please consult with Furever Clean Dog Wash to ensure your existing hot water supply is adequate.*



5 Back Flow Prevention Device

Connections need to be protected by a “high hazard” backflow prevention device. The below picture highlights the use of a reduce pressure backflow preventer (“RPZ”). Refer to appendix 8.1, Plumbing Schematic Individual Protection drawing.

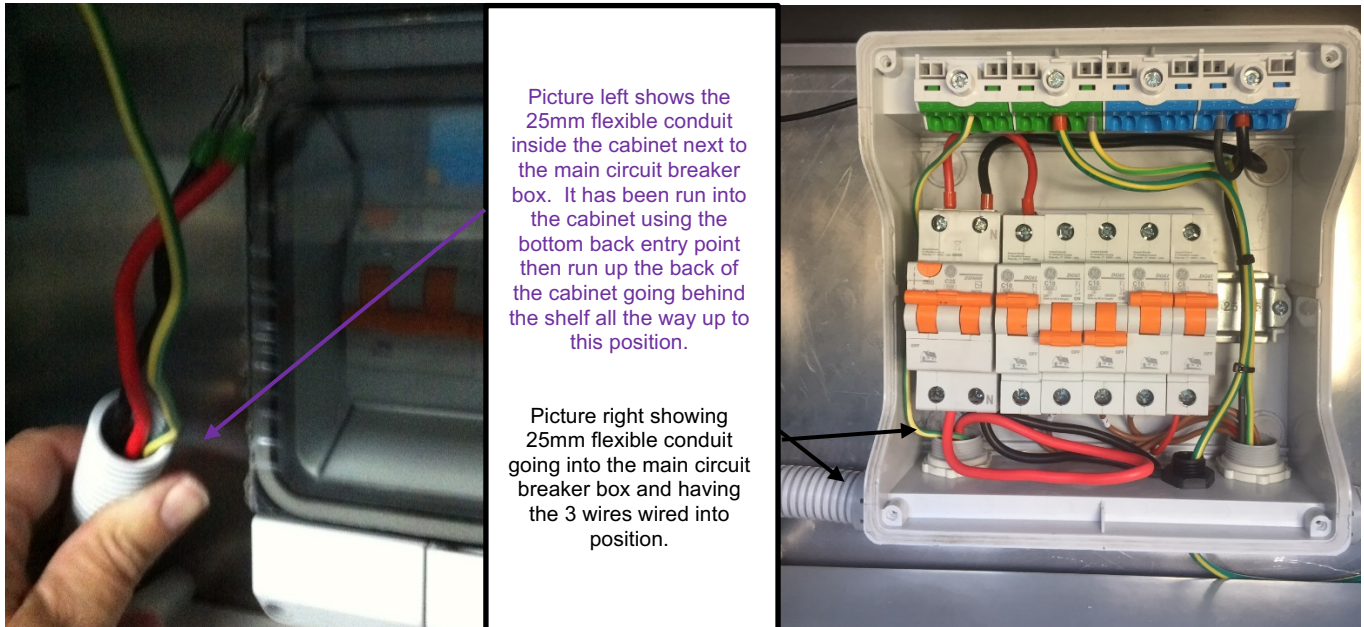


6 Electrical Installation of the Unit

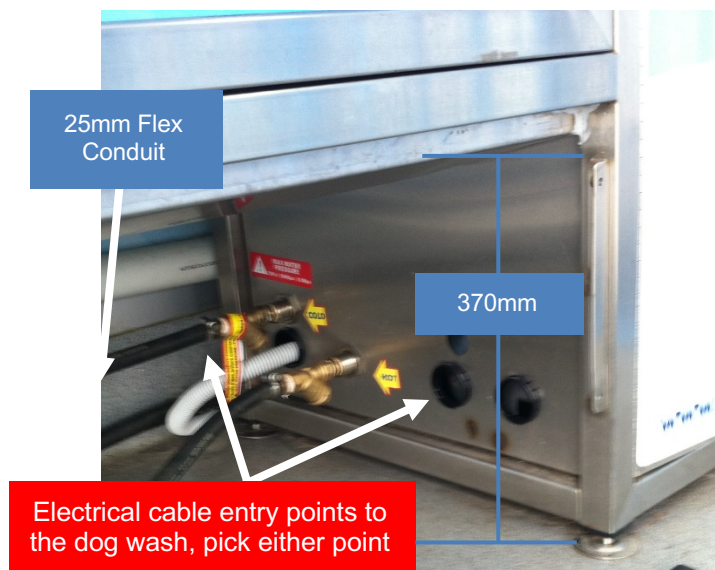


The picture below shows the main electrical cable inside the cabinet. It enters through the 50mm entry point underneath the dog wash close to the ground. Run the power cable in 25mm flexible conduit as there is a socket already installed in the bottom of the main circuit breaker box shown.

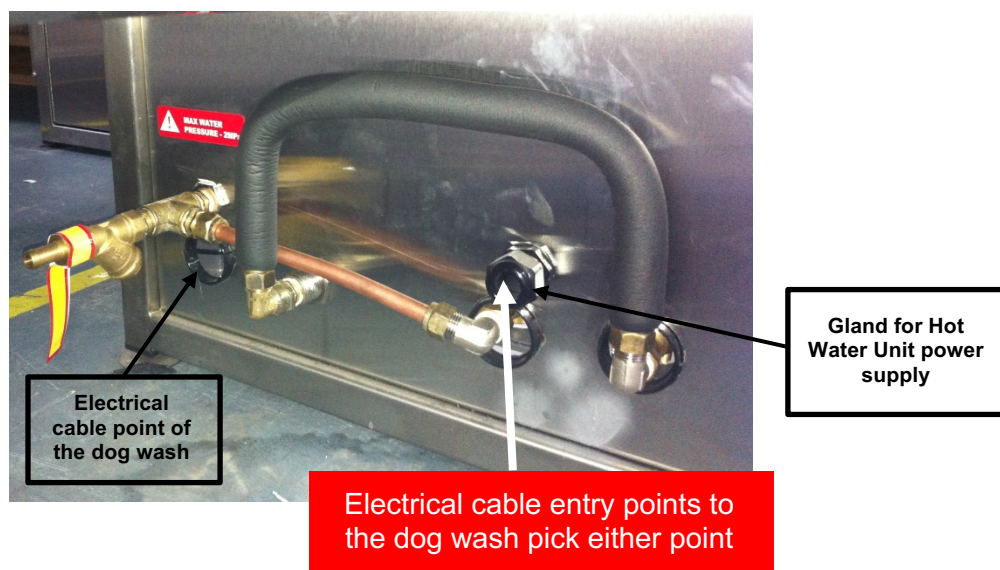
If a new power point/source is being installed for dog wash it needs to be below 370mm from the floor as the back of the dog wash fits flush with the wall.



The below picture shows the main electrical cable entry point into the dog wash. Once you have run the cable and conduit to this point, leave another 1700mm for the termination inside the cabinet



The External Hot Water Unit will need to be wired into the gland by an electrician following the Hot Water Unit's installation process.



Dog Wash Unit	Protection Required	Max Current
K9000 2.0 Twin	25 AMP	21 AMP

7 Fact Sheet

Fact Sheet

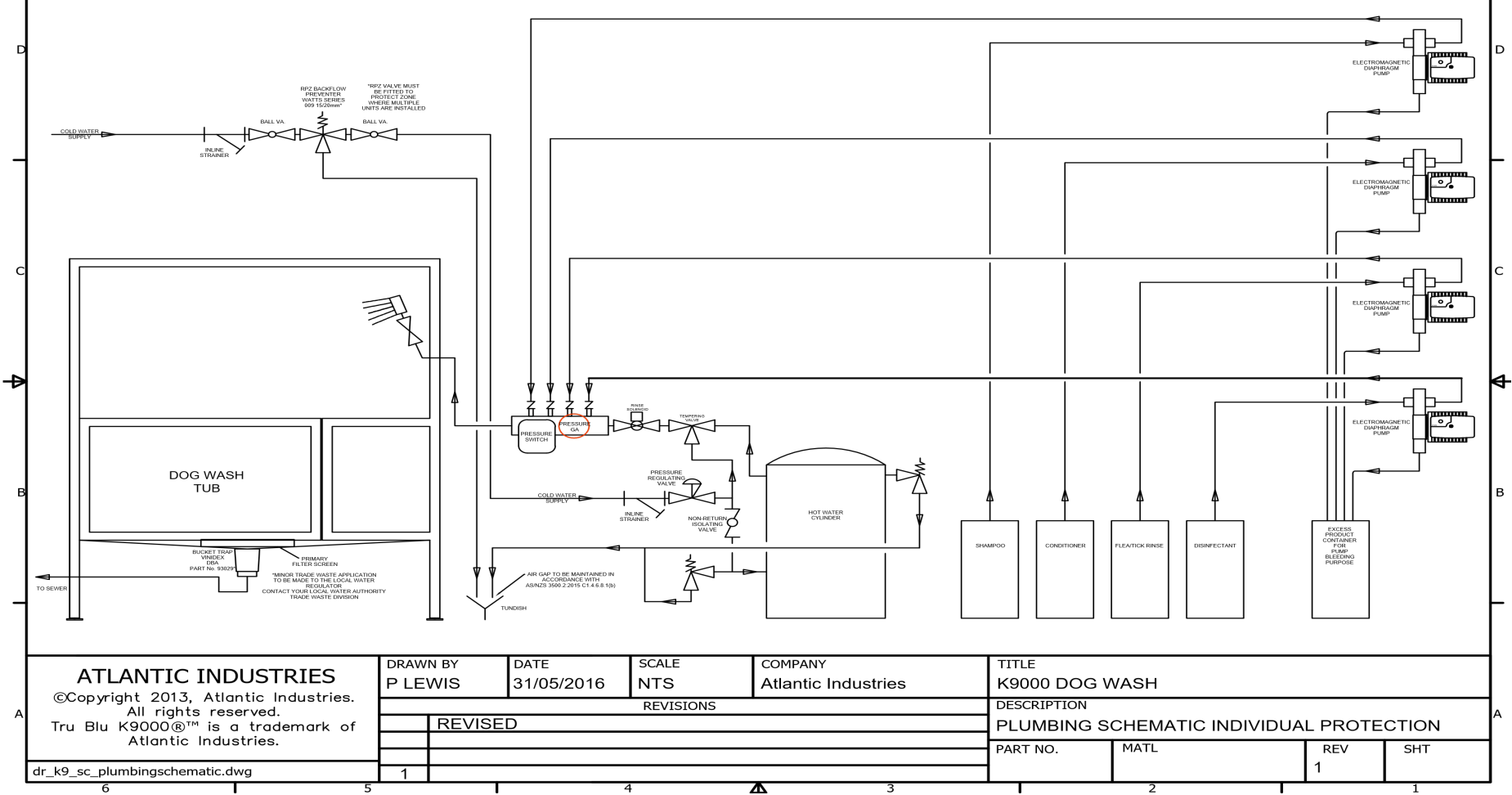
- Unit connects to existing services
 - Hot/Cold Water*
 - 50mm Sewer Waste**
 - 240 volt, 25-amp power supply
- Water usage: 16 to 20 litres per minute, with both units in operation (40-50ltrs per single dog wash)
- Length 3650mm / Height 1850mm / Depth 640mm
- Total Weight of K9000 2.0 Twin 350kg (left hand side 260kg & left-hand side 90kg)
- Standard wash charge is recommended to be between \$10 & \$12, for 10 minutes of wash time (minimum start-up)
- Cost to wash each dog is approximately 90 cents to \$1.20
- Average power usage per wash cycle is .76 kwh

**Note: Connections to existing hot/cold water to be protected by a "high hazard" backflow prevention device. i.e. "RPZ" or Registered "Air-Gap"*

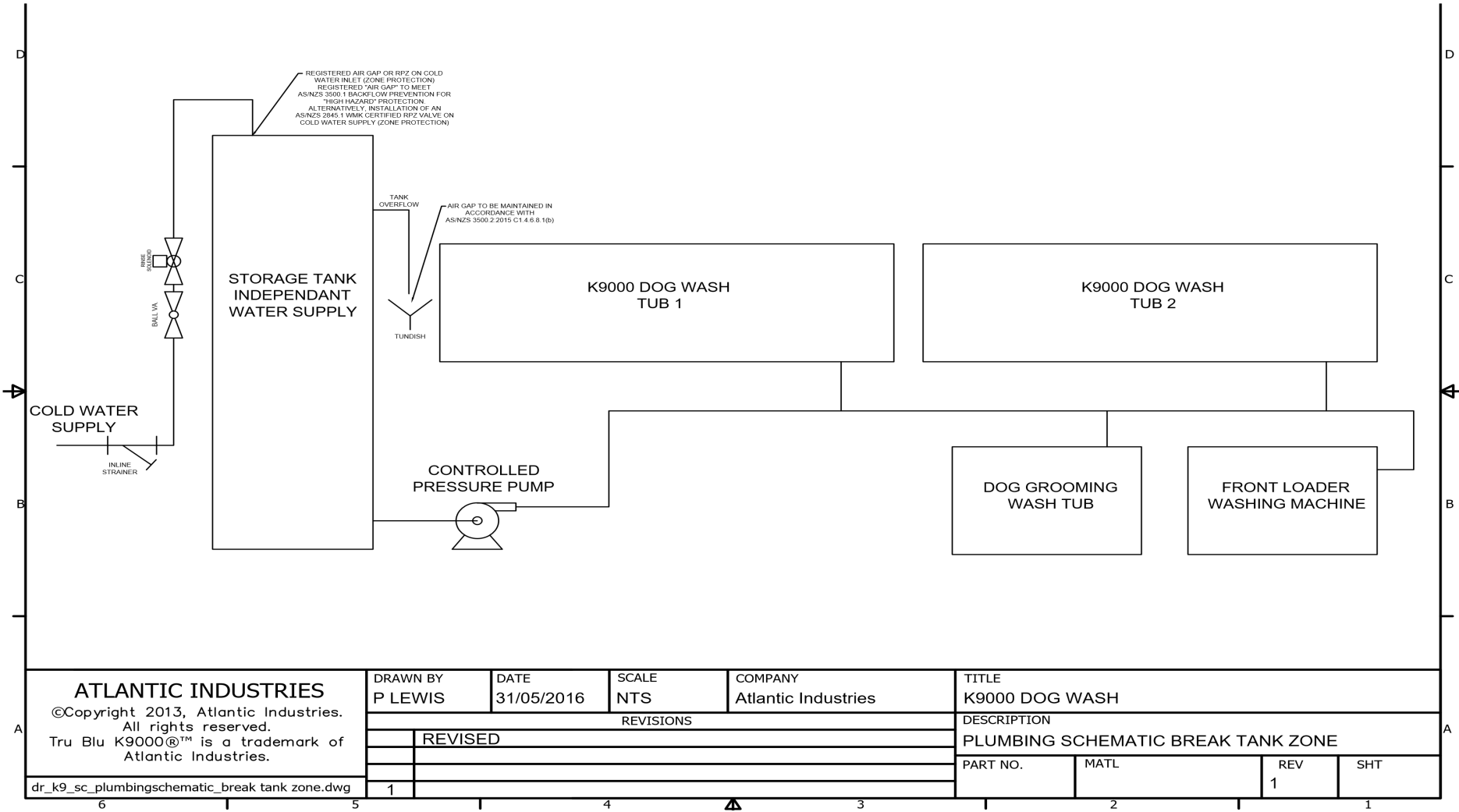
***Note: A minor trade waste application is to be made to the local water regulator (Contact your local water authority trade waste division)*

8 Appendices

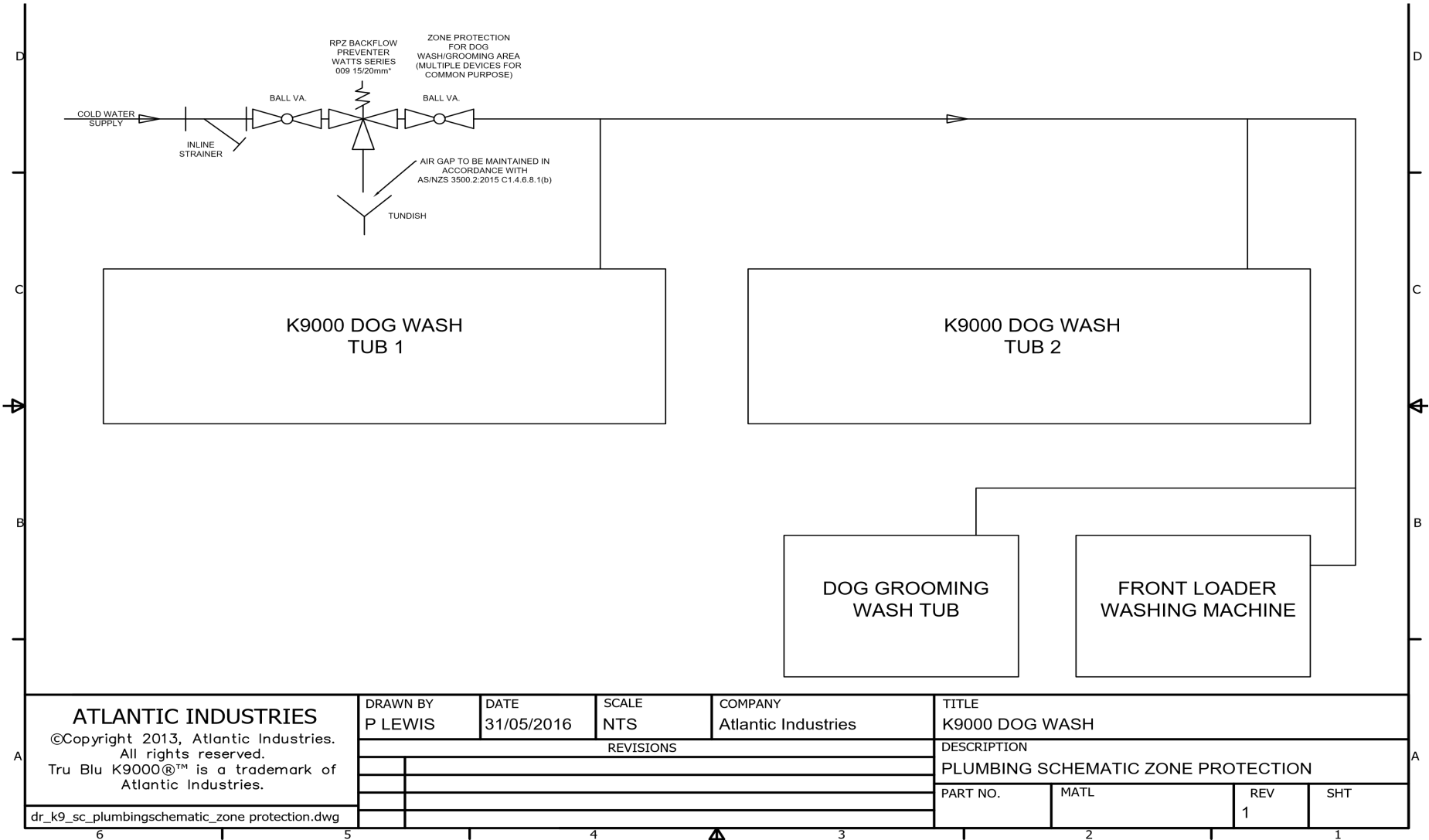
8.1 Plumbing Schematic Individual Protection



8.2 Plumbing Schematic Break Tank Zone



8.3 Plumbing Schematic Zone Protection



9 Attachments

9.1 Plumbing Schematic Break Tank Zone



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9.2 Plumbing Schematic Individual Protection



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9.3 Plumbing Schematic Zone Protection



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