



# Design Standards & Product Specification for DoE Facilities

**Part 1: Primary Schools**  
Western Australia



## WA Primary Education Facilities Design Standards 2023

Guidelines relevant to Galvin Engineering product selection

*\*This Galvin Engineering document gives a snap shot of key points within the Primary School Subconsultants Brief and a snapshot of suitable products. For further details please refer to the relative subsection within the official brief document.*

### General Guidelines

This brief has been prepared to the define scope of consultant services, project details and design requirements for the Department of Finance (DoF) Standard Pattern Primary School.


DoF is responsible with the leading, delivery and management of buildings for Government, including State owned education facilities.







This document has been developed to assist consultants achieve the objectives of the State for primary school hydraulic services works and ensure that State's aspirations for the construction and management of new building works is fully integrated within the vision of providing healthy, vibrant, equitable, safe and stimulating environments for education.

There shall be no deviation from the brief, unless explicitly authorised by the Department of Education (DoE) and provided in writing by the Department of Finance (DoF) project manager.

### Soil, Waste and Vents (5.10.11.1)



- Cleanouts shall be used between manholes and on branch drains at locations required by AS3500 and the Regulating Plumbing Authority.
- Cleanouts shall be avoided within buildings wherever possible. Where this cannot be avoided, consideration to their location with respect to the disruption of school operation and access of drain cleaning equipment must be given.
- Cleanout points within a building shall be screwed down type of nickel bronze or similar and set flush with the finished floor level.
- Cleanout points external to a building and within paved or concrete areas shall be constructed of the drain or waste material and finished with a screwed access cap housed in a hinged cast iron box set flush with the finished surface level. Box shall be cast into a concrete base and embossed with the word "SEWER".
- All floor waste gullies shall consist of a 100mm P-trap, 100mm gully riser and a nickel bronze or similar grate set flush with finished surface level.

Location	Product Description	Image	Notes
<b>FLOOR DRAIN OPTION 1; tile/concrete floor</b>	<a href="#">302182X</a> HeelGrate® Stainless Steel Floor Drain Grate Round 100x80 PVC Slip-In		<ul style="list-style-type: none"> <li>• Square also available</li> <li>• Other sizes also available</li> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>

<b>FLOOR DRAIN OPTION 2;</b> tile/concrete floor	<a href="#"><u>302185X</u></a> HeelGrate® Stainless Steel Floor Drain Grate Round 150x100 PVC/HDPE/CU Slip-In		<ul style="list-style-type: none"> <li>• Square also available</li> <li>• Other sizes also available</li> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>
<b>FLOOR DRAIN OPTION 3;</b> vinyl floor	<a href="#"><u>303176X</u></a> Stainless Steel Floor Drain Grate Ass Vinyl 100x80 PVC Slip-In		<ul style="list-style-type: none"> <li>• Other sizes also available</li> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>
<b>FLOOR DRAIN OPTION 4;</b> vinyl floor	<a href="#"><u>303185X</u></a> HeelGrate® Stainless Steel Floor Drain Vinyl Round 150 x 100 with Stainless Steel Body PVC/HDPE/CU Slip-In		<ul style="list-style-type: none"> <li>• Other sizes also available</li> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>
<b>CLEANOUT OPTION 1;</b> tile/concrete floor	<a href="#"><u>67790X</u></a> Slip-Safe® SS316 Bolted Cleanout Round 150x100 PVC/HDPE/CU Slip-In		<ul style="list-style-type: none"> <li>• Other sizes also available</li> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>
<b>CLEANOUT OPTION 2;</b> tile/concrete floor, square	<a href="#"><u>67778X</u></a> HeelGrate® Slip-Safe® SS316 Bolted Cleanout Square 150x100 PVC / HDPE Slip-In		<ul style="list-style-type: none"> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>
<b>CLEANOUT OPTION 3;</b> vinyl floor	<a href="#"><u>69468X</u></a> Slip-Safe® SS Vinyl Bolted Cleanout 150 x 100 PVC/HDPE/CU Slip-In		<ul style="list-style-type: none"> <li>• Other sizes also available</li> <li>• Kits with cast iron bodies and puddle flanges also available</li> </ul>

## Trade Waste (5.10.11.2)





- Canteen sink outlets and floor waste gullies shall incorporate removable primary and fixed secondary strainers in accordance with Water Corporation Western Australia.

Location	Product Description	Image	Notes
<b>Industrial Floor Waste Combo;</b> round, tile/concrete	<a href="#"><u>D14M06RX</u></a> Industrial Floor Waste Combo - Stainless Steel Round Grate 150x100 PVC/HDPE/CU & Stainless Steel Dual Strainers		<ul style="list-style-type: none"> <li>• AS 3996 Class C and EN1253 Class C load rating</li> <li>• AS/NZS 4994:1998 Discharge of commercial and industrial waste water to sewer</li> </ul>
<b>Industrial Floor Waste Combo;</b> square, tile/concrete	<a href="#"><u>D14M06SX</u></a> Industrial Floor Waste Combo - Stainless Steel Square Grate 150x100 PVC/HDPE/CU & Stainless Steel Dual Strainers		<ul style="list-style-type: none"> <li>• Single and double strainer options available</li> <li>• Load rated to Class C</li> </ul>

<b>Industrial Floor Waste Combo;</b> square, tile/concrete	<b>DI4M08SX</b> Industrial FI/Waste Combo - Stainless Steel Square Grate 200X100 PVC/HDPE/CU & Stainless Steel Dual Strainers		<ul style="list-style-type: none"> <li>Single and double strainer options available</li> <li>Load rated to Class C</li> </ul>
<b>Industrial Floor Waste Combo;</b> round, vinyl	<b>DI4M06VX</b> Industrial floor waste combo Stainless Steel vinyl round grate 150x100 PVC/HDPE & dual S/S strainer		<ul style="list-style-type: none"> <li>AS 3996 Class C and EN 1253 M125</li> <li>AS/NZS 4994:1998 Discharge of commercial and industrial waste water to sewer</li> </ul>




### Stormwater Drainage (5.10.11.3)

- Grated channels and/or paving drains shall be located at pavement low points in paved areas around buildings. Wherever possible, pavement low points shall be not in the centre of pathways.
- The channel grates or paving drain grates in trafficable or pedestrian areas shall be of a design that allows wheelchairs, trolleys or bicycles to be safely wheeled across them, anti-slip and have the ability to be locked down. Paving drain grates in pedestrian areas are to be stainless steel with a minimum dimension of 300x300mm. Grates located in areas subject to vehicle loads shall be rated accordingly.

Location	Product Description	Image	Notes
<b>PAVING DRAIN;</b> round	<a href="#"><u>302205X</u></a> HeelGrate® Stainless Steel Floor Drain Grate Assembly Round 300x150BSP		<ul style="list-style-type: none"> <li>5mm gap between bars</li> <li>Suitable for concourse paving and tiled applications</li> </ul>
<b>PAVING DRAIN;</b> square	<a href="#"><u>302605X</u></a> HeelGrate® Stainless Steel Floor Drain Grate Assembly Square 300x150BSP		<ul style="list-style-type: none"> <li>5mm gap between bars</li> <li>Suitable for concourse paving and tiled applications</li> <li>Load tested to Class B of AS 3996</li> </ul>
<b>PAVING DRAIN ADAPTOR</b>	<a href="#"><u>302180</u></a> ABS Floor Drain Adaptor 150BSP FI X 100PVC Slip-In		
<b>PAVING DRAIN ADAPTOR</b>	<a href="#"><u>302173</u></a> ABS Floor Drain Adaptor 150BSP FI X 150PVC Slip-in		

## Heated Water Service (5.10.11.5)

- Provide a tempered water service connection of 45°C to the following fixtures:
  - UAT Showers & Basins
  - Staff Basins (excluding dental therapy)
  - Medical room basin
  - Science and Arts practical trough (1 and 2 only)
  - Pre Primary Kitchen Sinks
  - Activity Area Sinks
  - Library Resource area sinks (only relevant with the staff room is not incorporated into library block.
- A thermostatic mixing valve shall be located at the water heater in a visible and easily accessible position and to be set to deliver 45°C water at the outlet.

Location	Product Description	Image	Notes
<b>TMV</b>	<a href="#">101.70.00.00</a> CliniMix® Lead Safe™ Thermostatic Mixing Valve With - 15 Inlet & 15/20 Outlet		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Scald or cold water shock protection</li> </ul>
<b>TMV IN CABINET</b>	<a href="#">101.10.70.10</a> CliniMix® Lead Safe™ TMV SS Cabinet Assembly with Universal Door 20 Bottom In & Out		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Scald or cold water shock protection</li> </ul>
<b>TMV IN CABINET; with bypass</b>	<a href="#">101.11.70.10</a> CliniMix® Lead Safe™ TMV SS Cabinet Assembly with Universal Door 20 Cold Bypass, Bottom In & Out		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Scald or cold water shock protection</li> </ul>

## Water end Energy Saving (5.10.11.6)







All fixtures and tapware shall comply with the WELS standard AS6400, specifically:





- A tap or outlet used for a shower, basin, ablution trough, practical trough or sink must be a minimum of 3 star WELS rated and discharge not more than 9 litres per minute.
- Cisterns or flushing devices for water closets must have a dual flush mechanism and be a minimum 3 star WELS rating discharging not more than 6 litres or 4.5 litres for a full flush.
- Student ablution troughs shall be fitted with suitable cold only time flow tapware.
- The shower outlet specified should be suitable for use with a reduced flow rate. It should be noted that some shower heads with inbuilt water conservation systems give an uncomfortable and unsatisfactory shower, these types must be avoided.



## Fire Service (5.10.11.7)



- Hydrants shall be located in easily accessible locations and highly visible from intended DFES appliance hardstand areas though as not to obstruct the movement of staff and students.
- The hydrant valves shall generally point in the direction of the DFES hardstand.
- In situations where hydrants are susceptible to vehicular contact, protection bollards shall be installed and painted to match.
- Hydrant vandal resistant covers shall be installed over the hydrant valves, chained secure and padlocked all keyed alike.
- Generally, fire hose reels are NOT required to serve buildings such as the administration, library, canteen, assembly and gymnasium where fire compartments may be greater than 500m<sup>2</sup>.

Location	Product Description	Image	Notes
<b>HYDRANT RISER</b>	<a href="#">381337</a> Hydrant Pipe Riser with Dual Head, Flanged Vert Inlet 100TE x 1500 Long (Galv & Painted)		<ul style="list-style-type: none"> <li>• Hot dipped galvanised to AS/NZS 4680</li> <li>• Drilled Table E flange</li> </ul>
<b>HYDRANT RISER</b>	<a href="#">381358</a> Hydrant Pipe Riser with Dual Head, Flanged Vert Inlet 150TE x 1400 Long (Galv & Painted)		<ul style="list-style-type: none"> <li>• Hot dipped galvanised to AS/NZS 4680</li> <li>• Drilled Table E flange</li> </ul>
<b>HYDRANT VALVE; threaded</b>	<a href="#">381301</a> Red Emperor® Fire Valve 65 BIC with Top B/Fly Cap [WA] Painted - BSP Inlet with Nylon Plug		<ul style="list-style-type: none"> <li>• AS 2419.2 compliant</li> </ul>
<b>HYDRANT VALVE; roll groove</b>	<a href="#">381301RG</a> Red Emperor® Fire Valve 65 BIC with Top B/Fly Cap [WA] Painted- R/Groove Inlet with Nylon Plug		<ul style="list-style-type: none"> <li>• AS 2419.2 compliant</li> </ul>
<b>TAMPER COVER</b>	<a href="#">381331</a> Tamper Resistant Dual Hydrant Valve Cover (Painted) w /003 Padlock		<ul style="list-style-type: none"> <li>• Tamper resistant protection for fire landing valves</li> <li>• Only suitable for dual head riser</li> </ul>
<b>FIRE HOSE REEL; fixed</b>	<a href="#">383026RE</a> Red Emperor® F Series Standard Fixed Fire Hose Reel with Swing Guide Arm 36m - Red		<ul style="list-style-type: none"> <li>• Certified to AS/NZS 1221</li> </ul>

<b>FIRE HOSE REEL; swing</b>	<a href="#"><b>382523</b></a> Red Emperor® G Series Premium Swing Fire Hose Reel LH/RH with Fixed Waterway 36m – Red		<ul style="list-style-type: none"> <li>• Can be paired with hose reel cabinets</li> <li>• Certified to AS/NZS 1221</li> </ul>
<b>HOSE REEL CABINET</b>	<a href="#"><b>381905</b></a> Type A Standard Fire Reel Box Exposed (Painted)		<ul style="list-style-type: none"> <li>• Designed to suit G Series reels</li> </ul>
<b>HYDRANT BOOSTER</b>	<a href="#"><b>380162</b></a> WA/NT Pipeset for 100TE Firemain Booster & Hydrant (Painted & Assembled)		<ul style="list-style-type: none"> <li>• Kits also available with cabinet.</li> <li>• Kits also available with suction riser</li> <li>• Drilled Table E flange</li> <li>• AS 2419.1 and AS 2419.3 compliant</li> </ul>
<b>HYDRANT BOOSTER</b>	<a href="#"><b>380170</b></a> WA/NT Pipeset for 150TE Quad Firemain Booster & Hydrant (Painted & Semi-Assembled)		<ul style="list-style-type: none"> <li>• Kits also available with cabinet.</li> <li>• Kits also available with suction riser</li> <li>• Drilled Table E flange</li> <li>• AS 2419.1 and AS 2419.3 compliant</li> </ul>

## Water Closets (5.10.12.1)

- Toilets on ducts shall consist of a wall mounted concealed P-trap pan with induct 3/4.5 litre cistern, fixing kit, pneumatic dual flush button and soft closing double flap seat.
- Generally, toilets elsewhere shall consist of a concealed S-trap pan, close coupled vitreous china 3 / 4.5 litre cistern with vandal resistant lid, and soft closing double flap seat.
- Disabled toilets shall consist of disabled concealed P-trap pan, mid mounted vitreous china cistern with separate backrest, chrome plated disabled flush buttons; chrome plated flush pipe and disabled grey coloured single flap seat with 30% contrast in colour.
- Particular attention shall be given to the set-out of disabled fixtures to comply with AS1428.
- Junior pans shall not be installed.

Location	Product Description	Image	Notes
<b>TOILET SUITE</b>	<a href="#"><b>105.10.00.00</b></a> GalvinAssist® Wall Faced, Clean Flush, Easy Care Toilet Suite with Soft Close Seat		<ul style="list-style-type: none"> <li>• Soft-closing, easy-clean quick release seat</li> <li>• Suitable for S or P trap installations</li> </ul>
<b>TOILET SUITE; ambulant</b>	<a href="#"><b>105.10.20.00</b></a> GalvinAssist® Wall Faced, Clean Flush, Easy Care, Ambulant Toilet Suite with Soft Close Seat		<ul style="list-style-type: none"> <li>• Soft-closing, easy-clean quick release seat</li> <li>• Suitable for S or P trap installations</li> <li>• Compliant with AS1428.1 Ambulant guidelines</li> </ul>

<b>TOILET SUITE; disabled</b>	<a href="#"><u>105.10.10.01</u></a> GalvinAssist® Wall Faced, Clean Flush, Easy Care, Ambulant Toilet Suite with Soft Close Seat		<ul style="list-style-type: none"> <li>• Soft-closing, easy-clean quick release seat</li> <li>• Suitable for S or P trap installations</li> <li>• Compliant with AS1428.1 Ambulant guidelines</li> </ul>
<b>TOILET PAN</b>	<a href="#"><u>105.11.00.00</u></a> GalvinAssist® Wall Faced, Clean Flush, Easy Care, Toilet Pan with Soft Close Seat		<ul style="list-style-type: none"> <li>• To be paired with in wall cistern and push buttons</li> <li>• Soft-closing, easy-clean quick release seat</li> <li>• Suitable for S or P trap installations</li> </ul>
<b>TOILET PAN; disabled</b>	<a href="#"><u>105.11.10.01</u></a> GalvinAssist® Wall Faced, Clean Flush, Easy Care, Accessible Toilet Pan with Blue Seat		<ul style="list-style-type: none"> <li>• To be paired with in wall cistern and disabled push buttons</li> <li>• Soft-closing, easy-clean quick release seat</li> <li>• Suitable for S or P trap installations</li> <li>• Compliant with AS1428.1 Ambulant guidelines</li> </ul>
<b>IN WALL CISTERN</b>	<a href="#"><u>105.94.00.00</u></a> GalvinAssist® Slim Design Inwall Cistern, Less Flush Plate		<ul style="list-style-type: none"> <li>• Suits floor mount toilet pan</li> <li>• Front access to cistern through flush plate</li> </ul>
<b>PUSH BUTTONS</b>	<a href="#"><u>105.95.00.00</u></a> GalvinAssist® Chrome, Dual Flush Plate, Pneumatic Push to Suit Inwall Cistern		<ul style="list-style-type: none"> <li>• Premium pneumatic system</li> <li>• Provides complete access to in-wall cistern</li> </ul>
<b>PUSH BUTTONS; disabled</b>	<a href="#"><u>105.96.00.00</u></a> GalvinAssist® Chrome, Accessible Dual Flush Plate, Pneumatic Push to Suit Inwall Cistern		<ul style="list-style-type: none"> <li>• Premium pneumatic system</li> <li>• Provides complete access to in-wall cistern</li> </ul>

## Basins (5.10.12.2)

### UAT & AAT

- Basins shall be vitreous china wall hung approximately 550mm wide x 435mm deep with one tap hole and secured with heavy duty wall brackets.
- Particular attention shall be given to the set-out of the disabled fixtures to comply with AS1428.

### Staff

- Basins shall be vitreous china semi recessed approximately 500mm wide x 430mm deep with one tap hole and secured with heavy duty tie brackets.

### Canteen

- Basins shall be vitreous china wall hung approximately 550mm wide x 435mm deep with one tap hole and secured with heavy duty wall brackets.



## Dental Therapy

- Refer to the DoF standard hydraulic dental therapy drawing.

Location	Product Description	Image	Notes
UAT, AAT & CANTEEN; LH bowl, 1TH	<a href="#">105.33.10.01</a> GalvinAssist® Accessible, 600mm Wall Mount Basin, LH Bowl, 1 TH with Overflow		<ul style="list-style-type: none"> <li>Accessories not included</li> <li>Left hand bowl</li> <li>1 taphole</li> </ul>
UAT, AAT & CANTEEN; RH bowl, 1TH	<a href="#">105.33.11.01</a> GalvinAssist® Accessible, 600mm Wall Mount Basin, RH Bowl, 1 TH with Overflow		<ul style="list-style-type: none"> <li>Accessories not included</li> <li>Right hand bowl</li> <li>1 taphole</li> </ul>
UAT, AAT & CANTEEN; LH bowl, 3TH	<a href="#">105.33.11.03</a> GalvinAssist accessible 600mm wall mount basin LH bowl 3TH		<ul style="list-style-type: none"> <li>Accessories not included</li> <li>Left hand bowl</li> <li>3 taphole</li> </ul>
UAT, AAT & CANTEEN; RH bowl, 3TH	<a href="#">105.33.10.03</a> GalvinAssist accessible 600mm wall mount basin RH bowl 3TH		<ul style="list-style-type: none"> <li>Accessories not included</li> <li>Right hand bowl</li> <li>1 taphole</li> </ul>
STAFF; 1TH	<a href="#">105.36.01.01</a> GalvinAssist® Semi Recessed Basin, 500mm 1 TH with Overflow		<ul style="list-style-type: none"> <li>Accessories not included</li> <li>1 taphole</li> </ul>
STAFF; 3TH	<a href="#">105.36.01.03</a> GalvinAssist® Semi Recessed Basin, 500mm 3 TH with Overflow		<ul style="list-style-type: none"> <li>Accessories not included</li> <li>3 taphole</li> </ul>
BOTTLE TRAP	<a href="#">105.93.00.00</a> GalvinAssist® Chrome, Round Bottle Trap, Wall Exit, Suits 32mm & 40mm Waste Holes		<ul style="list-style-type: none"> <li>Suits 32 or 40 mm wastes</li> <li>Designed for use with wall basins and installations with exposed plumbing</li> </ul>

## Kitchen Sinks (5.10.12.3)

### Medical Room

- Stock pattern single end bowl stainless steel inset sink approximately 1235mm wide x 470mm deep with one tap hole centre to bowl.

### Staff Room

- Stock pattern double centre bowl stainless steel inset sink approximately 1540mm wide x 470mm deep with one tap hole centre to bowls.

### Library

- Stock pattern single end bowl stainless steel inset sink approximately 1235mm wide x 470mm deep with one tap hole centre to bowl (only relevant with staff room is **not** incorporated into library block).

#### Activity Areas

- Stock pattern single end bowl stainless steel inset sink approximately 1235mm wide x 470mm deep with one tap hole centre to bowl.

#### Pre-Primary Kitchens


- Stock pattern double centre bowl stainless steel inset sink approximately 1540mm wide x 470mm deep with one tap hole centre to bowls.

#### Canteen

- Forms part of the architectural brief.

#### Dental Therapy

- Refer to the DoF standard hydraulic dental therapy drawing.

Location	Product Description	Image	Notes
<b>STAFF ROOM &amp; PRE PRIMARY KITCHENS</b>	<b>105.82.00.01</b> GalvinAssist® SS, 1500mm Sink, Double Centre Bowls, 1 TH		<ul style="list-style-type: none"> <li>• Sound deadening, designer basket waste</li> </ul>

## Tapware and Outlets (5.10.13)

In general terms, tapware and outlets shall be WELS registered, carry Watermark standards, incorporate vandal resistant features, of chrome plated brass construction, fitted with heavy duty brass jumper valves and colour coded buttons indicating either cold or hot.

### Basins (5.10.13.2)

#### UAT & AAT

- Chrome plated solid brass basin mixer tap with soft close ceramic disc cartridge, extended lever handle and 150mm swivel outlet.

#### Staff








- Chrome plated solid brass basin mixer tap with soft close ceramic disc cartridge and 150mm swivel outlet.

#### Canteen

- Chrome plated solid brass knee operated valve kit with 150mm gooseneck spout.

#### Dental Therapy

- Refer to the DoF standard hydraulic dental therapy drawing.

Location	Product Description	Image	Notes
UAT & AAT	<a href="#">TM-BASCPD</a> CliniLever® CP-BS Hospital Single Lever Basin Mixer with 165 Disabled Lever		<ul style="list-style-type: none"> <li>• Anti-scald adjustable stop ring</li> <li>• Optional warm/cold indicator decal</li> <li>• AS 1428.1 accessible compliant</li> </ul>
UAT & AAT	<a href="#">TM-BASCPDL</a> GalvinAssist® Single Lever Basin Mixer with 165mm Accessible Lever		<ul style="list-style-type: none"> <li>• Anti-limescale aerator M 24 x 1</li> <li>• Optional warm/cold indicator decal</li> <li>• AS 1428.1 accessible compliant</li> </ul>
UAT & AAT; stainless steel	<a href="#">TM-BASXD</a> CliniLever® Stainless Steel Lead Safe™ Basin Mixer with Accessible Lever		<ul style="list-style-type: none"> <li>• Lead Safe™ material</li> <li>• AS 1428.1 accessible compliant</li> </ul>
STAFF	<a href="#">TM-BASCP</a> CliniLever® CP-BS Hospital Single Lever Basin Mixer		<ul style="list-style-type: none"> <li>• Vandal-resistant</li> <li>• Anti-scald adjustable stop ring</li> <li>• Optional warm/cold indicator decal</li> </ul>
STAFF	<a href="#">TM-BASCPL</a> GalvinAssist® Single Lever Basin Mixer		<ul style="list-style-type: none"> <li>• 2 Step ceramic cartridge</li> <li>• Anti-limescale aerator M 24 x 1</li> </ul>
STAFF; stainless steel	<a href="#">TM-BASX</a> CliniLever® Stainless Steel Lead Safe™ Basin Mixer		<ul style="list-style-type: none"> <li>• Lead Safe™ material</li> </ul>
CANTEEN	<a href="#">TP08045K</a> Chrome Plated Brass Knee Operated Timeflow Valve with Regulator, Spout & Connection Kit		<ul style="list-style-type: none"> <li>• Robust lever for heavy usage</li> </ul>

## Sinks (5.10.13.3)

### Medical Room

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 150mm swivel outlet.

### Staff Room

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 240mm swivel outlet.

### Library

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 150mm swivel outlet (only relevant with staff room is not incorporated into library block).

#### **Activity Areas**

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 150mm swivel outlet.

#### **Pre-Primary Kitchens**

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 240mm swivel outlet.

#### **Canteen**

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 240mm swivel outlet.

#### **Dental Therapy**

- All three taps servicing sinks are to have extended single lever mixers to allow for elbow operation confirming to the Department of Health infection protocols.
- Refer to the DoF standard hydraulic dental therapy drawing.

#### **Cleaner Sinks**

- 1 No. chrome plated solid brass vandal resistant cold and hot wall set with 200mm swivel gooseneck outlet
- 1 No. non-potable cold water threaded bib tap over cleaners sink connected to a double check valve mounted on wall; and
- 1 No. wall mounted handheld eye wash / body spray with wall bracket, twin outlet spray head, automatic stay open trigger handle, and flexible hose assembly in accordance with AS4775.

#### **Canteen Pot Sink**

- Over each pot sink – chrome plated solid brass cold and hot wall set with heavy duty chrome plated brass 300mm swivel goose neck outlet.

#### **Gardener Trough**

- Chrome plated solid brass sink mixer tap with soft close ceramic disc cartridge and 240mm swivel outlet.

#### **Ablution Troughs**

- Pre Primary – 4 No. lever action time flow chrome plated solid brass bib taps with 50mm bib extensions.
- Primary – 4 No. push button time flow chrome plated solid brass bib taps with 50mm bib extensions.









#### **Practical Troughs**

- Pre Primary – 4 No. chrome plated solid brass bib taps with 50mm bib extensions.
- Art Room – 1 No. chrome plated solid brass vandal resistant cold and hot wall set with 200mm swivel gooseneck outlet and; 3 No. Cold ONLY chrome plated solid brass wall sets with 200mm swivel gooseneck outlets.
- Art Room – 4 No. Cold chrome plated solid brass wall sets with 200mm swivel gooseneck outlets.

- Dental Therapy – Refer to the DoF standard hydraulic dental therapy drawing.

Location	Product Description	Image	Notes
MEDICAL, ACTIVITY ROOM & LIBRARY	<a href="#">TM-SNKGCP</a> GalvinAssist® Single Lever Gooseneck Sink Mixer		<ul style="list-style-type: none"> <li>• Oversized coloured directional temperature indicators</li> <li>• Temperature adjusting rings</li> <li>• Anti-limescale aerator M 24 x 1</li> </ul>
MEDICAL, ACTIVITY ROOM & LIBRARY	<a href="#">TM-SNKGX</a> CliniLever® Stainless Steel Lead Safe™ Gooseneck Sink Mixer		<ul style="list-style-type: none"> <li>• Lead Safe™ material</li> </ul>
STAFF, CANTEEN, GARDENER & PRE PRIMARY KITCHEN	<a href="#">TM-SNKCPL</a> CliniLever® CP-BS Hospital Single Lever Sink Mixer 250 Reach with 165 Disabled Lever		<ul style="list-style-type: none"> <li>• Anti-scald adjustable stop ring</li> <li>• Extended 165mm lever for easy access</li> <li>• AS 1428.1 accessible compliant</li> </ul>
STAFF, CANTEEN, GARDENER & PRE PRIMARY KITCHEN	<a href="#">TM-SNKCPL</a> GalvinAssist® Single Lever Sink Mixer		<ul style="list-style-type: none"> <li>• Oversized coloured directional temperature indicators</li> <li>• Temperature adjusting rings</li> <li>• Anti-limescale aerator M 24 x 1</li> </ul>
STAFF, CANTEEN, GARDENER & PRE PRIMARY KITCHEN	<a href="#">TM-SNKX</a> CliniLever® Stainless Steel Lead Safe™ Sink Mixer		<ul style="list-style-type: none"> <li>• Lead Safe™ material</li> </ul>
DENTAL THERAPY	<a href="#">TM-SNKCPLD</a> CliniLever® CP-BS Hospital Single Lever Sink Mixer 250 Reach with 165 Disabled Lever		<ul style="list-style-type: none"> <li>• Extended 165mm lever for easy access</li> <li>• Anti-scald adjustable stop ring</li> <li>• AS 1428.1 accessible compliant</li> </ul>
DENTAL THERAPY	<a href="#">TM-SNKXD</a> CliniLever® Stainless Steel Lead Safe™ Sink Mixer with Disabled Lever		<ul style="list-style-type: none"> <li>• Lead Safe™ material</li> <li>• AS 1428.1 accessible compliant</li> </ul>
CLEANERS SINK	<a href="#">49949</a> Vandal Resistant Chrome Plated Brass J/V Wall Sink Set (NSW) with 120H Swivel G/Neck & V/R Aerator		<ul style="list-style-type: none"> <li>• Vandal resistant handle</li> <li>• Half turn ceramic disc available on request</li> </ul>



<b>CLEANERS SINK</b>	<a href="#">49965</a> Vandal Resistant CP-BS J/V Hose Tap - Cold		<ul style="list-style-type: none"> <li>• Hot also available</li> <li>• Vandal resistant handle</li> </ul>
<b>CLEANERS SINK</b>	<a href="#">190.42.65.32</a> GalvinSafe® Eye/Face Wash, Wall Mtd, Hand Held, 3.6mtr Recoil Hose, AXION® MSR Head (HAWS)		
<b>CANTEEN POT SINK</b>	<a href="#">TF76WC-ESS</a> Ezy-Wash® CP-BS Wall Mounted Exposed Mixing Unit Type 76 FI Inlet with 300 Reach		<ul style="list-style-type: none"> <li>• Lever action handles with red and blue indicator buttons</li> <li>• 300mm reach swivel spout</li> </ul>
<b>ABLUTION TROUGH; pre primary</b>	<a href="#">173.46.23.00</a> Ezy-Lever CP-BS Lead Safe™ Timeflow Lever Action Vandal Resistant Deluxe Bib Tap		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Vandal resistant</li> </ul>
<b>ABLUTION TROUGH; primary</b>	<a href="#">173.46.21.00</a> Ezy-Push® CP-BS Lead Safe™ Timeflow Push Button Deluxe Bib Tap - 6 Sec (MI)		<ul style="list-style-type: none"> <li>• 15 second version also available</li> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Vandal resistant</li> </ul>
<b>PRACTICAL TROUGH; pre primary</b>	<a href="#">49882</a> Vandal Resistant CP-BS J/V Deluxe Bib Tap Aerated Cold		<ul style="list-style-type: none"> <li>• Ceramic disc also available</li> <li>• Hot also available</li> <li>• Vandal resistant</li> </ul>
<b>PRACTICAL TROUGH; art room</b>	<a href="#">49949</a> Vandal Resistant Chrome Plated Brass J/V Wall Sink Set (NSW) with 120H Swivel G/Neck & V/R Aerator		<ul style="list-style-type: none"> <li>• Vandal resistant handles</li> <li>• Half turn ceramic disc available on request</li> </ul>
<b>PRACTICAL TROUGH; art room, cold only</b>	<a href="#">49949COLD</a> Vandal Resistant Chrome Plated Brass J/V Wall Sink Set (NSW) with 120H Swivel G/Neck & V/R Aerator (Cold Only)		<ul style="list-style-type: none"> <li>• Vandal resistant handle</li> <li>• Half turn ceramic disc available on request</li> </ul>


## Cold Water Drinking Units (Drinking Troughs) (5.10.13.9)





- 2 No. front mounted on/off push button taps and top mounted angled outlets fitted with rubber mouth guards.
- 2 No. face mounted on/off push button taps and two concealed jug fillers in stainless steel protective shrouds.

Location	Product Description	Image	Notes
BUBBLER	<a href="#">170.81.13.01</a> Ezy-Drink® CP-BS Lead Safe™ Remote Push Button Drinking Bubbler Tap - FI		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Vandal resistant design</li> <li>• AS 4020 approved mouthguard</li> </ul>
BUBBLER	<a href="#">TD15XP</a> Ezy-Drink® 316 SS Lead Safe™ Remote Push Button Drinking Bubbler Tap - FI		<ul style="list-style-type: none"> <li>• Lead Safe™ material</li> <li>• Vandal resistant design</li> <li>• AS 4020 approved mouthguard</li> </ul>
BUBBLER	<a href="#">170.81.12.00</a> Ezy-Drink® CP-BS Lead Safe™ Remote Electronic Drinking Bubbler Tap FI (Mains)		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> <li>• Vandal resistant design</li> <li>• AS 4020 approved mouthguard</li> <li>• Battery also available</li> </ul>
JUG FILLER	<a href="#">170.81.73.01</a> Ezy-Drink® Lead Safe™ Remote Push Button Activation Valve Only		<ul style="list-style-type: none"> <li>• Lead Safe™ DZR Brass with less than 0.25% lead content</li> </ul>

## UAT & AAT Showers (5.10.13.11)

- Shower mixer tap with soft close ceramic disc cartridge and with extended handle, 1500mm long flexible hose fitted with chrome plated dual check valve and handheld outlet on 32mm diameter 900mm long stainless steel rail in accordance with AS1428.

Location	Product Description	Image	Notes
SHOWER MIXER	<a href="#">TM-SHWCP</a> CliniLever® CP-BS Hospital Single Lever Shower Mixer		

<b>SHOWER MIXER</b>	<a href="#"><u>TM-SHWCPD</u></a> CliniLever® CP-BS Hospital Single Lever Shower Mixer with 165 Disabled Lever		<ul style="list-style-type: none"> <li>Extended 165mm lever for easy access</li> <li>AS 1428.1 accessible compliant</li> </ul>
<b>SHOWER MIXER</b>	<a href="#"><u>TM-SHWX</u></a> CliniLever® Stainless Steel Lead Safe™ Shower or Bath Mixer		<ul style="list-style-type: none"> <li>Lead Safe™ material</li> <li>AS 1428.1 accessible compliant</li> </ul>
<b>RAIL SHOWER</b>	<a href="#"><u>41999</u></a> GalvinAssist® Hand Shower Kit with 900x32 Stainless Steel Hygienic Grab Rail		<ul style="list-style-type: none"> <li>Chrome plated version also available</li> <li>AS 1428.1 accessible compliant</li> </ul>
<b>RAIL SHOWER</b>	<a href="#"><u>CLEVA035</u></a> GalvinAssist® Hand Shower Kit with 900 x 32 Stainless Steel Hygienic Grab Rail, ClevaCare® Shower - Low		<ul style="list-style-type: none"> <li>Chrome plated version also available</li> <li>AS 1428.1 accessible compliant</li> </ul>