



Department
for Education

Technical Annex 2A: Sanitaryware

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Contents

Table of figures	3
Review date	4
Who is this publication for?	4
Document Updates	4
1. Introduction	5
2. General Requirements	6
2.1. Durability	6
2.2. Special Needs and Disability	6
2.3. Refurbishment	6
3. Integrated Plumbing Systems (IPS) and Cubicle Systems	8
3.1. Integrated Plumbing Systems	8
3.2. Toilet and Shower Cubicle Systems	8
4. Sanitaryware	11
4.1. Sanitaryware Elements	11
4.2. Toilet Pans and Cisterns	12
4.3. Wash Troughs	13
4.4. Wash-hand Basins	14
4.5. Accessible Toilet Sanitaryware	14
4.6. Toilet Paper Dispensers	14
4.7. Soap Dispensers	15
4.8. Hand Drying	15
4.9. Sanitary Products	16
4.10. Taps for Hand Washing	16
4.11. Cleaners' Sinks	16
4.12. Mirrors	16
4.13. Hygiene Room Equipment	17
5. Sanitaryware	19
5.1. Required Provision	19
5.2 Sanitaryware – Key Dimensions	21
6. Demonstrating Compliance	24
6.1. Employer's Requirements Deliverables	24

Table of figures

Table 1: Sanitaryware – required provision.....20

Table 2: Sanitaryware – Key Dimensions23

Summary

This document is one of a number of Technical Annexes which form part of the Generic Design Brief (GDB).

Review date

The next planned review date for this document is November 2020.

Who is this publication for?

This document is for technical professionals involved in the design and construction of school premises, to use as part of the Employer's Requirements of the DfE Construction Framework. It may also be used as the basis of similar documentation for other procurement routes using the Output Specification.

Document Updates

- **Version 9:** May 2020 – Amendments to pipework enclosures; working heights for cubicle doors, soap dispensers and basins.
- **Version 8:** May 2019 – Revised to incorporate end user feedback, evidence collected and updates to applicable standards.
- **Version 7:** November 2017 - Issued as OS 2017.
- **Versions 1-6:** July 2016 – November 2017 - Includes initial working towards OS 2017.

1. Introduction

- 1.1. This document is one of a number of Technical Annexes, which form part of the Generic Design Brief (GDB). It sets out the required technical standards and performance criteria for sanitaryware (as listed in Table 1) and should be read in conjunction with Section 2.6.10 of the GDB, as well as the School-specific Brief (SSB), including the School-specific Schedule of Accommodation (SoA), Area Data Sheets (ADS) and, where relevant, the Refurbishment Scope of Works (RSoW). The definitions in paragraph 1.3 of the GDB apply to this Technical Annex and all other parts of the Output Specification (OS).
- 1.2. The information exchange required at each stage of the procurement process is detailed in the Employer's Requirements Deliverables.
- 1.3. The requirements in this Technical Annex are in respect of Buildings, FF&E and ICT infrastructure and shall apply to all parts of the Works in any New Buildings constructed by the Contractor, as well as to Building Elements or Building Services, in any Refurbished Building(s), which are designated Renewed or Replaced in the RSoW.
- 1.4. Where the requirements refer to an area, space or Suite of Spaces, this shall apply to all spaces in any New Building(s) or Remodelled Area. Any area or space within New Buildings or Remodelled Area shall conform to all relevant requirements in this Technical Annex.

2. General Requirements

2.1. Durability

- 2.1.1. All the components of the overall design shall meet the standards set out BS ISO 15686 and BS 7543:2015 – ‘Guide to durability of buildings and building elements, products and components’.
- 2.1.2. Sanitary fittings, Integrated Plumbing Systems, Sanitaryware shall meet the requirements set out in GDB Section 2.6, Table 3: Minimum Life Expectancy, without failure resulting from defects in design, materials or workmanship. Failure shall be defined as breakage, disengagement of components, and deflection beyond acceptable values or reduction in performance.

2.2. Special Needs and Disability

- 2.2.1. In non-ambulant Special Schools, particular account must be taken of specific safety and hygiene requirements.
- 2.2.2. The Contractor shall take account of the possibility of accidental or deliberate damage to sanitaryware, including the wear and tear caused by Mobility Equipment, the effect that certain colours, patterns, textures and noises can have on some people, and the higher risk of harm and infection for the most vulnerable children and young people.
- 2.2.3. The Contractor shall refer to the SSB to identify any specific requirements for pupils with SEND.

2.3. Refurbishment

- 2.3.1. As described in the GDB, any work required to Refurbished Buildings shall be as defined in the RSoW, under the headings of architectural elements (including FF&E) and M&E elements (including ICT infrastructure). The work will be categorised as Renewed, Replaced, Repaired, Retained or have ‘no work’.
- (a) Any **Renewed** sanitaryware provided shall be designed to satisfy the relevant outputs of the GDB as well as this Technical Annex (and by the code in the ADS where relevant).
- (b) Any **Replaced** sanitaryware provided shall satisfy the relevant outputs of the GDB as well as this Technical Annex (and by the code in the ADS where relevant), as far as possible within the constraints of the location, the adjacent elements and the sub-structure.

- (c) Any **Repaired** sanitaryware shall comply with any Project-specific specification or drawing issued as part of the SSB and the overall performance after repair shall be at least as good as that of the existing provision.
- (d) Any **Retained** sanitaryware shall be left as existing, with minimal work required unless needed in order to complete other Works that form part of the Project, and the overall performance shall be no worse than the existing performance.
- (e) Any element requiring **No work** shall be left as existing.

2.3.2. Subject to paragraphs 1.3 in this Technical Annex and Section 1.5 in the GDB, in respect of work to Refurbished Buildings, the required level of compliance with this Technical Annex is set out in the RSoW.

2.3.3. Generally, the requirements in this Technical Annex refer to all parts of the Works except any building elements or services that are designated Repaired, Retained or 'No Work' in the RSoW, or spaces designated 'Untouched' in the SoA.

3. Integrated Plumbing Systems (IPS) and Cubicle Systems

3.1. Integrated Plumbing Systems

3.1.1. The Contractor shall ensure that the design and construction of any integrated plumbing systems complies with the following requirements.

- a) The surface shall be one, which can be wiped clean. The material shall be waterproof solid laminate; moisture resistant laminate on manufactured board with an ABS (or similar) edging; recycled plastic, or a material which can be demonstrated to perform equally well.
- b) The joint between the system and the integral coved skirting shall be sealed against water and dirt.
- c) All access panels shall be lockable with a master key and have tamper-proof fittings.
- d) A wall hanging fixing frame shall be provided as part of the IPS system where recommend by the manufacturer in compliance with BS EN 997:2012+A1:2015 WC Pans and WC Suites with Integral Trap.

3.2. Toilet and Shower Cubicle Systems

3.2.1. The Contractor shall ensure that the design and construction of all toilet cubicle systems and any shower cubicle systems provided comply with the following requirements.

- a) All standard toilet cubicles shall be at least 1500mm deep x 800mm wide. All standard shower cubicles shall be 1800mm deep x 900mm wide.
- b) All panels shall be pre-drilled to accommodate the required fittings; redundant drill holes for fittings within panels are not acceptable.
- c) All fittings shall be anti-rust and vandal proof.
- d) All systems shall facilitate cleaning to prevent the build-up of dirt and germs.

3.2.2. All cubicle doors shall be capable of being locked and opened manually from the inside. Any inward opening doors shall be able to open outwards through use of a releasable door hinge or a lift-off facility to facilitate emergency assistance to someone who has fallen against the door inside the cubicle (blocking the door

from opening). The emergency release function shall be designed to limit operation to school staff only, thereby not compromising the privacy of the user under general circumstances.

- 3.2.3. All cubicles shall be fitted with occupation indicator signs, and the 'cubicle occupied' indicator shall be clearly visible from the outside of the cubicle door. This shall be suitable for people with visual impairments and colour blindness i.e. a red/green indicator is unsuitable.
- 3.2.4. Cubicle locking devices shall be suitable for use by people with impaired manual dexterity (i.e. a simple closed fist action).
- 3.2.5. The lock shall be designed so that it is the weakest element in the door assembly i.e. if force is applied it shall break rather than damaging the cubicle system. The Contractor shall provide the School with a number of spare locks to help reduce the time that cubicles are out of action.
- 3.2.6. The inside of each cubicle door shall have a coat hook with a rubber buffer, designed to serve as a doorstop to the cubicle door. The hook shall be securely fixed with hidden fixings to avoid damage.
- 3.2.7. All hinges shall be designed to eliminate the potential for finger trapping, and shall be self-closing, except for toilets in nursery, reception and KS1 pupil provision, which shall be self-opening.
- 3.2.8. All cubicle doors shall be of a contrasting colour to pilasters to allow for use by partially sighted pupils.
- 3.2.9. In addition to the requirements above, the Contractor shall ensure that the design and construction of all toilet cubicle systems shall meet the following requirements.
 - (a) Ambulant and enlarged cubicle provision shall comply with AD M and adopt the relevant guidance in BS 8300:2009+A1:2010.
 - (b) The design of both the partitions and doors in toilets for nursery, reception and KS1 pupils shall give children privacy whilst allowing teachers to supervise them. Cubicle partitions shall have a maximum height of 1500mm. Cubicle doors shall have a maximum height of 1300mm.
 - (c) Cubicle partitions in toilets for KS2 pupils shall extend to a maximum height of 1950mm from finished floor level. Cubicle doors shall have a minimum height of 1500mm.
 - (d) In a Secondary School, a floor to ceiling cubicle system shall be used for increased pupil privacy; there shall be a maximum gap of 5mm between

the finished floor level and the bottom of the door and between the top of the door and the ceiling. The Contractor shall ensure that the lighting and ventilation meet the requirements in 'Annex 2E: Daylight and Electric Lighting' and 'Annex 2F: Mechanical Services and Public Health Engineering'. The Contractor shall also ensure that pupils with hearing difficulties can be alerted to the Schools' alarm system whilst using the cubicles, as required by AD M. The exception to a floor to ceiling cubicle system is where lower height doors and partitions are required in the SSB. In this case, cubicle partitions shall be a maximum height of 1950mm from finished floor level and cubicle doors a minimum height of 1800mm; partitions and doors shall be spaced a maximum of 150mm off the floor finish level.

- (e) To ensure privacy, it shall not be possible to see from the adjacent circulation route into a cubicle when the door is open (for example doors should be perpendicular to the main flow of circulation).

3.2.10. All shower cubicle systems shall be constructed from waterproof solid laminate. All toilet cubicle systems shall be constructed from waterproof solid laminate, moisture resistant laminate on manufactured board with an ABS (or similar) edging, recycled plastic, or a material, which can be demonstrated to perform equally well.

4. Sanitaryware

4.1. Sanitaryware Elements

- 4.1.1. The Contractor shall provide all sanitaryware elements listed in Section 5, Table 1 for any spaces in any New Building or Remodelled Area as required in the School-Specific ADS.
- 4.1.2. Urinals are not to be provided.
- 4.1.3. The Contractor shall ensure that all sanitaryware and services address the following points to provide an integrated and responsive system of mechanical, electrical, protective and communication installation.
 - (a) Pipework, cabling and traps shall be in accordance with Technical Annex 2F: 'Mechanical Services and Public Health Engineering' and shall be easily accessible for maintenance and made tamper-proof.
 - (b) Any connections, distribution systems, components and containment systems within sanitaryware shall be safely protected, tamper-proof, correctly insulated, free from exposed contacts, and clearly labelled, see also Annex 2F: Mechanical Services and Public Health Engineering.
- 4.1.4. The Contractor shall ensure that all user controls on sanitaryware in accessible toilets shall be comprehensible, accessible and quietly responsive. All controls shall be securely fixed to the item of sanitaryware or the internal fabric of the building (i.e. not remote controls) and shall not rely upon batteries for power.
- 4.1.5. Controls such as isolator switches shall be located at high level on walls or, where necessary, fixed furniture and allow use by authorised personnel only.
- 4.1.6. The Contractor shall ensure that the sanitaryware does not have any sharp edges or corners that may cause injury and finishes are suitable for the activities taking place.
- 4.1.7. Complicated corners, edges, frames, and details that can trap dirt, and hence compromise hygienic performance, shall be avoided.
- 4.1.8. Sanitaryware and appliances shall be assembled, installed and fitted so that services will drain as intended and as recommended by the manufacturer. All components shall be jointed and bedded using compounds and methods recommended by the manufacturer.
- 4.1.9. All materials used shall enable easy cleaning.

4.1.10. The number of toilets and hygiene rooms for Mainstream Early Years, Primary and Secondary schools shall be as Building Bulletin 103: 'Area guidelines for mainstream schools' (BB103) under 'Toilets and personal care'¹. The number of toilets and hygiene rooms for Special Schools, AP, SRP and Units shall be as Building Bulletin 104: 'Area Guidelines for SEND and Alternative Provision' (BB104).²

4.1.11. The following standards shall be applied.

- (a) BS 6465-3:2006 – 'Sanitary installations. Code of practice for the selection, installation and maintenance of sanitary and associated appliances'.
- (b) BS 6465-1:2006+A1:2009 – 'Sanitary installations. Code of practice for the design of sanitary facilities and scales of provision of sanitary and associated appliances'.

4.1.12. Where the number of toilets and hygiene rooms in BS 6465 differs from that given in BB103 and BB104, BB103 and BB104 shall take precedence.

4.1.13. The cisterns, pipework and traps in all toilet areas shall be easily accessible for maintenance and made tamper-proof.

4.2. Toilet Pans and Cisterns

4.2.1. Any toilet pans and exposed cisterns shall be constructed from vitreous china as set out in BS 3402 'Specification for quality of vitreous china sanitary appliances', or a material which can be demonstrated to perform equally well.

4.2.2. All parts of the toilet construction shall be sourced from a single manufacturer.

4.2.3. The cistern and associated pipe work shall be easily accessible for maintenance and made tamper-proof. They shall be designed to avoid the build-up of dirt and germs and shall remove the potential for interference or vandalism.

4.2.4. The toilet shall have an internal overflow system.

4.2.5. All schools require a dual flush which shall be either a 6/4 litre, 4.5/3 litre or 4/2.6 flush. The flushing mechanism shall be a dual flush plate with separate buttons for low and standard volume flush. This shall meet the requirements set out in BS 1125:1987 'Specification for WC flushing cisterns (including dual flush cisterns and flush pipes)'. The British Standard Flush test shall be achieved to comply with Water Regulation Guide WRAS. The UK class 2 flush test must be achieved to cover any part flush performance in line with EN997.

¹BB103: 'Area guidelines for mainstream schools' on gov.uk

²BB104: 'Area Guidelines for SEND and Alternative Provision' on gov.uk

4.2.6. Toilet pans shall be sufficiently robust for use within a school environment and shall be easy to clean as set out in BS EN 997:2012+A1:2015 – ‘WC pans and WC suites with integral trap’.

4.2.7. Toilet pan seats and lids shall be top fitting and meet the requirements set out in BS 1254:1981 – ‘Specification for WC seats (plastics)’.

4.3. Wash Troughs

4.3.1. Wash troughs shall meet the requirements set out in BS EN 14296:2015 – ‘Sanitary appliances. Communal washing troughs’. The Contractor shall ensure any wash troughs also meet the following requirements.

- (a) The troughs are constructed from solid surface material, recycled plastic, vitreous china, or a material, which can be demonstrated to perform equally well.
- (b) The troughs are constructed to achieve an even and smooth surface, free from acute corners or projections, such that they can be cleaned effectively, thus preventing dirt and germ build up. Seam welded joints in metal troughs are acceptable but must be ground down to provide a smooth finish.
- (c) All fixings through the trough shall be both watertight and inconspicuous to discourage pupil interference and minimise dirt and germ build up.
- (d) There is an integral upstand with holes for screw fixing to the wall as well as a splashback of a uPVC or solid grade laminate sheet, or tiling, which extends to a minimum of 300mm above the top of the upstand and the full width of the trough. The design of the upstand and splashback shall avoid the build-up of grime.
- (e) The trough is supported off the wall such that there are no legs or other connections to the floor for ease of cleaning.
- (f) A downstand is provided to conceal services, whilst permitting access to them for maintenance and emptying. The downstand shall be accessible via a removable panel using tamper-proof fixings.
- (g) Plugs for are not provided in washrooms.

4.4. Wash-hand Basins

- 4.4.1. Wash-hand basins shall be constructed from vitreous china or a material, which can be demonstrated to perform equally well. Basins shall meet the requirements set out in BS EN 14688:2015 – ‘Sanitary appliances. Wash basins. Functional requirements and test methods’.
- 4.4.2. Plugs for wash-hand basins shall not be provided in washrooms used by pupils.
- 4.4.3. The Contractor shall ensure there is tiling or a similar washable surface on the wall above the basin extending to a minimum of 300mm above the top of the basin and the full width of the basin. The surface must be fully sealed along the width of the basin.
- 4.4.4. Services to runs of wash-hand basins, such as traps and waste pipes, shall be concealed, for example by vanity units. Access to services shall be via a removable panel using tamper-proof fixings. Pipework, traps and waste pipes to individual toilets shall either be concealed or made tamper-proof.

4.5. Accessible Toilet Sanitaryware

- 4.5.1. Where sanitaryware is in an accessible toilet or hygiene room, the following requirements shall be met.
 - (a) There shall be a visual contrast between the sanitaryware, grab rails, alarm cord and the wall finish. This is to enable people with visual impairment to locate the fittings.
 - (b) The toilet seat shall be in a contrasting colour so visually impaired people can see if it is up.
 - (c) Contractors shall provide robust and tamper-proof single mixer extended lever spray taps to all basins and showers.
 - (d) All fittings shall be set out to comply with AD M and adopt the relevant guidance stipulated in BS 8300:2009+A1:2010.

4.6. Toilet Paper Dispensers

- 4.6.1. Where the SSB identifies that the School wish to provide their own dispensers through a service contract, the Contractor shall allow for fixing only.
- 4.6.2. Where the Contractor provides toilet paper dispensers, they shall be provided for every toilet pan, and shall be:

(a) a 'sheet type' dispenser rather than rolls

(b) fitted with a tamper-proof lock to prevent pupil interference

4.6.3. All fixings shall be concealed to avoid tampering and potential dirt and germ build up.

4.7. Soap Dispensers

4.7.1. Where the SSB identifies that the School wish to provide their own dispensers through a service contract, the Contractor should allow for fixing only.

4.7.2. Where the Contractor provides cartridge type soap dispensers, they shall be provided at every wash-hand basin or for every 500mm of wash trough. Each dispenser shall contain a minimum of 1000ml of liquid soap via a dosing pump.

4.7.3. All fixings shall be concealed to avoid tampering and potential dirt and germ build up.

4.8. Hand Drying

4.8.1. Where the SSB identifies that the School wish to provide hand drying facilities through a service contract, the Contractor should allow for fixing and infrastructure servicing only.

4.8.2. Where the Contractor provides hand drying facilities, electric hand dryers shall be provided at up to one per run of up to five WCs, unless paper towel dispensers are identified in the SSB. Further information is given in Technical Annex 2G 'Electrical services, communication, fire and security systems' Section 2.3.5 Small Power Systems.

4.8.3. Electric hand dryers shall have a drying time of less than 30 seconds, with infrared control for no contact start, auto-off and noise level less than 65 dBA at 1m.

4.8.4. Where paper towel dispensers are provided (as identified in the SSB) the paper towel dispensers shall be the hands-free type, which allows only one sheet at a time to be used, reducing the likelihood of misuse. Space should be allocated for a waste disposal bin.

4.9. Sanitary Products

4.9.1. A sanitary product vending machine shall be located in each block of female toilets for pupils from age 8 onwards in any New or Refurbished Building. Where the SSB identifies that the school wish to provide the machines through a service contract, the Contractor should allow for fixing only. For maximum privacy, the machine shall be situated so that pupils can use it without being visible from the circulation areas. It shall be located in a common area used only by females, rather than within an individual cubicle. If the Schools have any specific requirements, these will be identified in the SSB.

4.9.2. There should be sufficient space beside the toilet pan to allow space for a sanitary product disposal bin, provided through a service contract. This space shall be allowed for in each female cubicle in each toilet, block of toilets or accessible toilets used from age 8 upwards.

4.10. Taps for Hand Washing

4.10.1. Non-concussive press taps shall be selected and fitted to avoid germ transfer. Where they are sensor-operated, they shall turn off automatically with less than one litre of use. The exception to this is in Special Schools and non-ambulant Designated Units where only sensor-operated taps shall be provided. Either option shall comply with DEFRA WTL scheme in terms of flow performance (4lpm) and be WRAS approved.

4.10.2. Deck mounted taps shall be provided that allow an even surface when fixed to the sink or trough, such that they can be cleaned effectively. Alternatively, taps can be wall mounted with the necessary robust wall panelling construction.

4.11. Cleaners' Sinks

4.11.1. Any cleaners sink shall be a heavy-duty floor mounted stainless steel or ceramic unit with a stainless-steel hinged grating and wall mounted high level taps above. Sinks shall have an integral splashback or there shall be wall-mounted tiles from finished floor level to at least 1200mm above the top of the sink and at least the width of the sink.

4.12. Mirrors

4.12.1. All mirrors provided shall:

- (a) be toughened glass or an alternative suitable material
- (b) be backed with an impact-resistant safety layer to allow them to be fixed directly to the timber framework behind

- (c) have tamper-proof fixings, preferably with adhesive
- (d) have no sharp edges or corners
- (e) be in accordance with the School-Specific ADS

4.13. Hygiene Room Equipment

4.13.1. Hygiene rooms are to be designed to accept an overhead ceiling track hoist system. Mobile hoists are not acceptable. The Contractor shall ensure the ceilings and/or walls and the supporting structure shall be designed to accept the loading of a track hoist system (taking account of the age range at the school), which could be fitted to take a legacy hoist and track from the School, or a future hoist and track installed outside of the Works, by others. The Contractor shall install the track and hoist system if identified as part of the Works in the SSB. The loading should allow for a hoist and track system to meet the following requirements.

- (a) The track shall be an 'X-Y system' (also known as an 'H system'), with a pair of ceiling mounted parallel side beams supporting a moving track (boom).
- (b) All hoists shall be motorised with remotely controlled hoist operation up and down, and remotely controlled traverse of hoist along the length of the track.
- (c) The maximum loading capability of the hoist and track shall be 200kgs.
- (d) The track shall allow a pupil to be transferred between a wheelchair and the WC, the shower and the changing bed (where included).
- (e) The hoist shall have a lifting height of 2.1m.
- (f) An electric or manually operated turntable shall be provided if needed to ensure full access to the areas required.
- (g) The hoist should return to the end of the track where the battery-charging unit is housed from a mains supply.
- (h) The hoist must allow for at least 3 spreader connections to the sling to ensure comfort for the pupil.
- (i) The hoist shall have an emergency stop or a pull cord, which provides an emergency cut out.

- (j) A hand-held remote-control device, which controls lifting, and lowering should be provided.
- (k) Contractors shall ensure that any slings and accessories owned by the School are compatible with the hoist and tracking system.
- (l) In Special schools, they may require a removable hoist, which can be relocated onto ceiling mounted tracks in other rooms. Identified in SSB.

4.13.2. Any hoist and tracking system shall carry the CE mark and comply with:

- (a) EC Directives: Medical Devices Directive (93/42/EEC) as amended 2007/47/EC
- (b) BS EN ISO 10535:2006 'Hoists for the transfer of disabled persons. Requirements and test methods'

4.13.3. Each hygiene room shall contain a shower with adjustable shower head on a rail. Level access is required into the shower area to allow for the use of the shower whilst a pupil may be on a changing trolley. The Contractor shall install the shower as part of a wet room construction.

4.13.4. The Contractor, and their specialist suppliers, shall refer to the SSB for any specialist equipment requirements listed on the School-Specific ADS for hygiene rooms. There shall be a defined space in the hygiene room for storing clinical waste (soiled nappies/liners or dressings etc.) The detailed requirement will depend on the service contract the school has for waste disposal, this will be identified in the SSB.

4.13.5. The Contractor, and their specialist suppliers should refer to the guidance in and Changing Places: 'The Practical Guide'. It should be noted that the 12m² hygiene room examples shown in 'The Practical Guide' is suitable for a Secondary Mainstream School or a Special School; the hygiene room in a Primary Mainstream School is generally 9m² and does not include a separate shower unit.

5. Sanitaryware

5.1. Required Provision

5.1.1. The Contractor shall provide all sanitaryware listed in the tables below. Any additional School-specific requirements may be listed in the SSB and the School-specific ADS.

Code	All pupil toilets shall include one or more of the following
SANT001	Toilet pan (w/o seat)
SANE001	Soap dispenser (or fix only, as part of the school's service contract)
SANE002	Toilet paper dispenser (or fix only, as part of the school's service contract)
SANT002 SANT003/4	Wash hand basin or
SANE003 SANE004	Wash trough
SANE007	Hand drier (alternative paper towel dispenser as listed in SSB) or fix only (as part of the school's service contract)
SANE008	Sanitary towel dispenser ¹ (fix only, as part of the school's service contract)
SANE005	Sanitary towel bin ² (as part of a school's service contract)
Code	All accessible toilets shall include one or more of the following
SANA001	Accessible W.C. pan (in place of toilet pan) ³
SANAE01	W.C. horizontal grab rail
SANAE02	W.C. vertical grab rail
SANAE05	Alarm pull cord
SANAE06	Alarm reset button
SANE006	Mirror (full height)
Code	In addition to the above, small hygiene rooms (generally in a Primary School and up to 9m²) shall also include:
SANA003	Provision for track hoist system (for future installation) or fix legacy track hoist system (listed in SSB)
SANAE03	Wash basin grab rail
SANAE20	Large sanitary bin (or as part of a school's service contract)
SANAE21	Waste disposal bin
SANAE11	Wide roll paper dispenser (or fix only if part of the school's service contract)
SANAE07	Low level clothes hook
SANAE08	High level clothes hook
SANA005	Shower control
SANA006	Detachable shower head on rail ⁴

Code	In addition to the above, large hygiene rooms (generally Special Schools and Secondary Mainstream and up to 20m2) shall also include:
SANA002	Powered height-adjustable wash basin
SANA004	Height adjustable changing trolley (or allow for legacy or space only if part of future provision)
SANAE09	Height adjustable shower seat

Table 1: Sanitaryware – required provision

¹in toilet suite only, for females aged 8 and over.

²in toilet for females aged 8 and over.

³in toilets for staff a standard pan shall be provided.

⁴a hand-held shower shall be provided in Primary mainstream schools, located to be used in conjunction with a changing trolley.

5.2 Sanitaryware – Key Dimensions

5.2.1 Required provision plus height from floor (columns 5-9)

Code	Provision	Floor / Wall	Dimension	Early Years	KS1	KS2	Primary	Secondary / Adult	Facility
SANT001	Toilet pan (w/o seat)	Floor	Var	305	355	355	305/355	395	Toilet
SANE001	Soap dispenser	Wall	Var	700	900	900	900	1000	Toilet
SANE002	Toilet paper dispenser	Wall	Var	500	550	600	600	800-1000	Toilet
SANT002	Wash hand basin	Floor	500x400	500	700	750	750	750-850	Toilet
SANT003	2-person wash trough	Floor	1000x400	500	700	750	750	750-850	Toilet
SANT004	3-person wash trough	Floor	1500x400	500	700	750	750	750-850	Toilet
SANE003	Hand dryer	Wall	Var	650	775	850	850	1000	Toilet
SANE004	Paper towel dispenser	Wall	Var	650	775	850	850	1000	Toilet
SANE005	Mirror (above basin)	Wall	500hx600	750	900	950	950	1090-1200	Toilet
SANE006	Mirror (full height)	Wall	1500hx600	600	600	600	600	600	Accessible Toilet
SANE007	Sanitary towel dispenser	Wall	Var	N/A	N/A	850-1000	850-1000	850-1000	Accessible Toilet
SANA001	Accessible W.C. pan	Floor	Var	335	395	395	335/395	480	Accessible Toilet
SANAE01	W.C. horizontal grab rail	Wall	N/A	500	500	500	680	680	Accessible Toilet
SANAE02	W.C. vertical grab rail	Wall	N/A	680	680	680	800	800	Accessible Toilet
SANT001	Toilet pan (w/o seat)	Floor	Var	305	355	355	305/355	395	Accessible Toilet
SANA002	Height-adjustable hand-wash basin	Wall	Var	N/A	N/A	N/A	580-1020	580-1020	Hygiene Room
SANAE03	Wash basin grab rail	Wall	N/A	N/A	N/A	N/A	800	800	Hygiene Room

SANAE20	Large sanitary bin	Floor	Var	Var	Var	Var	Var	Var	Hygiene Room
SANAE21	Waste disposal bin	Floor	Var	Var	Var	Var	Var	Var	Hygiene Room
SANAE04	Waste disposal hopper	Floor	Var	Var	Var	Var	Var	Var	Hygiene Room
SANAE22	Mobile folding privacy screen	Floor	Var	N/A	N/A	N/A	Var	Var	Hygiene Room
SANAE05	Alarm pull cord	Ceiling	Var	N/A	N/A	N/A	100	100	Hygiene Room
SANAE06	Alarm reset button	Wall	Var	N/A	N/A	N/A	800-1000	800-1000	Hygiene Room
SANAE11	Wide roll paper dispenser	Wall	Var	N/A	N/A	N/A	1200	1200	Hygiene Room
SANA003	Track hoist system	Ceiling	Var	N/A	N/A	N/A	N/A	N/A	Hygiene Room
SANA004	Height adjustable changing trolley	Floor	Var	N/A	N/A	N/A	300-1000	300-1000	Hygiene Room
SANAE07	Low level clothes hook	Wall	Var	N/A	N/A	N/A	1050	1050	Hygiene Room
SANAE08	High level clothes hook	Wall	Var	N/A	N/A	N/A	1400	1400	Hygiene Room
SANA005	Shower control	Wall	Var	N/A	N/A	N/A	750-1000	750-1000	Hygiene Room
SANA006	Detachable shower head on rail	Wall	Var	N/A	N/A	N/A	1200-1400	1200-1400	Hygiene Room
SANAE09	Height adjustable shower seat	Wall	Var	N/A	N/A	N/A	N/A	470-550	Hygiene Room

Table 2: Sanitaryware– Key Dimensions

6. Demonstrating Compliance

6.1. Employer's Requirements Deliverables

6.1.1. The Employer's Requirements Deliverables sets out the detailed requirements for the Contractor to demonstrate compliance.



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