

**Part 1 General**
**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards below when designing washrooms. These standards are not intended to restrict or replace professional judgment.
- .2 These guidelines should be read with the specific technical sections of McGill's Building Design and Technical Standards mentioned in Part 2. – Related Technical Sections, as well as McGill's Accessibility on Campuses Guidelines at [www.mcgill.ca/buildings/accessibility](http://www.mcgill.ca/buildings/accessibility).
- .3 Signage elements in washrooms must conform to Signage Standards. Refer to [www.mcgill.ca/buildings/signage-standards](http://www.mcgill.ca/buildings/signage-standards).

**1.2 Design requirements**

- .1 The following requirements apply to washrooms in newly constructed buildings as well as in existing renovated washrooms.
- .2 Equity and Inclusion
  - .1 Promote universal accessibility with properly designed entrance, access corridors, door opening widths, adequate space around doors, among other design elements in accordance with McGill's Accessibility on Campuses Guidelines at [www.mcgill.ca/buildings/accessibility](http://www.mcgill.ca/buildings/accessibility).
  - .2 All single-user washrooms in a building shall be gender inclusive, with gender inclusive signage and interior door locks. Preferably, all single-user gender inclusive washrooms are also accessible. At the minimum, if there are multiple single-user gender inclusive washrooms on the same floor, at least one shall also be accessible.
  - .3 Ensure that there is at least one multi-stall gender-inclusive washroom per building, and at least one gender-inclusive washroom (either single-stall or multi-stall) per floor, on floors where there is a washroom.
  - .4 Every gendered and gender-inclusive multi-stall washroom shall have the number of accessible stalls as per the table below:

Number of stalls within the washroom	Required number of accessible stalls
1 to 6	1
7 to 16	2
17 to 20	3
21 to 30	4
Over 30	5 plus 1 for each additional 10 stalls

- .5 If a single-user accessible washroom is in proximity to the multi-stall washroom, it could replace the required accessible stall or count towards the required number of accessible stalls.
- .6 Wherever possible, gender inclusive washrooms should be in close proximity to all gendered washrooms in a building.

- .7 Urinals can be installed in multi-stall gender inclusive washroom inside closed stalls with appropriate signage.
- .3 Safety
  - .1 Washroom facilities shall be designed in such a manner as to avoid any possibility of slipping, tripping, or banging into objects or surfaces that can cause harm.
  - .2 Do not create opportunities where persons can be locked in without a way of escape.
  - .3 The layout shall allow for some sightlines from the entrance of the washroom facilities into the stall areas while still protecting privacy. Avoid direct sightlines from the entrance to urinals and mirrors.
  - .4 Avoid long and narrow hallways, blind corners, and odd geometry inside the facilities.
  - .5 Washroom facilities shall be located in building areas close to the main entrance or main circulation, allowing easy access for everyone and avoiding the perception of isolation.
  - .6 When noise is of no issue and when spatially feasible, entry to multi-user washrooms shall be doorless with a labyrinth entrance passageway.
  - .7 Common areas in gender inclusive washrooms shall be bright and open.
  - .8 For multi-stall washrooms, maximize stall privacy and safety by eliminating door gaps and extending toilet partitions height. See section 10 21 20 for toilet partitions specifications.

### **1.3 Specific requirements in architecture**

- .1 Construction
  - .1 All washroom walls shall be water resistant. See section 09 21 16 for waterproof gypsum specifications.
  - .2 Ceilings shall be suspended acoustical lay-in non-perforated panels that are water resistant and scrubbable. Gypsum ceilings are acceptable only in areas that would not require access.
  - .3 All washroom walls shall extend to the underside of slab and be insulated for sound (STC 47 minimum). If a washroom is next to an office or a classroom, the partitions shall be STC 52.
  - .4 Access doors in mechanical shafts or in walls behind plumbing fixtures for accessing supply and returns valves and mechanical piping shall be properly sized and easily accessible for operation and maintenance.
  - .5 Provide internal wall blocking behind all washroom accessories.
  - .6 Doors of single-user accessible washrooms shall be equipped with power door operators. See section 08 71 10 for hardware specifications.
- .2 Finishing
  - .1 All washrooms should have water-resistant and cleanable surfaces. The finishes must be sufficiently durable to withstand the anticipated traffic levels and the washroom-cleaning frequency.
  - .2 All washroom walls shall have ceramic tiles. Ceramic height should be to the top of the toilet stalls or at least 300 mm (12") above the counter height depending on the location and depending on the mirror installation

- .3 All washroom floors shall have ceramic tiles and be sloped to a floor drain.
  - .4 Specify a bevelled marble threshold at entrance doors. Preferably, for accessible washrooms, consider a sloped threshold or one with a difference in elevation no more than 6mm (1/4") wherever possible.
  - .5 Grout for ceramic tiles in washrooms shall be epoxy based. For floor tiles and tiles at wall bases, specify medium to dark colored grout.
  - .6 Ceramic tiles for wall bases shall be minimum 150 mm in height. Avoid light colors for floors and wall bases.
  - .7 Ceramic tiles for flooring shall have waterproofing and uncoupling membrane installed underneath.
  - .8 All painted walls should be washable.
  - .9 All washroom vanities are to be made of water-resistant materials such as solid phenolic or solid surfacing upon a galvanized steel substructure. Counters are to have a minimum thickness of 16mm. No wood or plastic laminate is to be used.
- .3 Sinks
- .1 For preferred sink models, see section 22 42 03 Appareils sanitaires – lavabos, w.-c. uniroirs et douches.
  - .2 All washroom sinks shall be individual units. When more than four sinks are required, double units are allowed.
  - .3 Sinks shall be easily replaceable and not molded into the countertops.

**Part 2 Related Technical Sections**

The technical sections of the McGill Building Design and Technical Standards should be consulted with the current document, most notably (but not limited to) the following:

<b>Section Number</b>	<b>Title of Section</b>
06 10 00	Rough Carpentry
06 40 00	Architectural Woodwork
09 21 26	Gypsum Board Assemblies
09 30 13	Ceramic tiling
09 91 26	Painting
10 21 20	Toilet Partitions
10 28 10	Toilet & Bath Accessories
22 00 00	Plomberie
22 05 00	Plomberie- exigences générale concernant les résultats de travaux
22 05 29	Fixations parasismiques
22 07 00	Plomberie- Calorifugeage
22 11 18	Tuyauterie d'eau domestique- intérieur
22 13 17	Tuyauterie d'évacuation et de ventilation- fonte, cuivre, plastique
22 42 01	Appareils spéciaux
22 42 02	Appareils sanitaires- éviers et cuiviers
22 42 03	Appareils sanitaires- lavabos, w-c et urinoirs
22 47 00	Appareils sanitaires- fontaines & refroidisseurs d'eau

**END OF SECTION**