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.

.3 Washrooms in newly constructed buildings on campus should incorporate single-user universal washrooms. These washrooms must be identified as combined gender-neutral and universal.

.4 When renovating existing washrooms combine single-user universal washrooms with gender-neutral washrooms.

.5 Signage elements in washrooms must conform to Signage Standards.

1.2 Design Requirements for Washrooms

.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. Acceptable product is “Ultima Health Zone” by Armstrong or approved equivalent.

.3 All washrooms 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 for accessing supply and returns valves and mechanical piping shall be easily accessible for operation and maintenance people.

.5 All painted walls should be washable.

.6 Provide internal wall blocking behind all washroom accessories.

.7 Doors of single-user universal toilet rooms must be equipped with power door operators.

.2 Finishing

.1 All washrooms shall have ceramic tile on their walls. Ceramic height should be to the top of the toilet stalls or at least 12” above the counter height depending on the location.

.2 All washroom floors must have ceramic tile, be sloped to a floor drain and have a beveled marble saddle at all entrance doors.

.3 Grout of ceramic tile shall be epoxy based and of a dark color.

.4 Saddles: shall be white marble 16 mm thick with beveled edges.

.5 Specify ceramic tile flooring with a 150 mm baseboard, avoid light colours for floors and base.
.6 All ceramic tile flooring shall have a waterproof membrane installed underneath.

.7 Stain-resistant or acid-resistant grout materials shall be used for tile surfaces subject to heavy use or chemical exposure.

.8 All washroom vanities are to be made of water resistant materials such as solid phenolic or solid surfaced upon a galvanized steel substructure. Counters are to have a minimum thickness of 16mm. No wood or plastic laminate is to be used.

.9 All washroom sinks shall be individual units. Multi-station sinks are not accepted.

.10 Countertop sinks shall be built-in type, in vitreous porcelain, with front overflow and embedded frame.

.11 Wall mounted sinks shall be “D” shaped basin, in vitreous porcelain, with backsplash and front overflow. Wall mount reinforcement to be provided by hanger plate and holes for concealed arm carrier system.

.3 Accessories

.1 All washroom accessories shall be installed to comply with accessibility requirements.

.2 All washroom accessories that are dispensers or disposal receptacles shall be supplied by McGill and installed by the contractor, except for soap dispensers that are to be supplied and installed by the contractor.

.3 During the programming phase, determine whether diaper-changing stations are to be provided in washrooms and in which washroom they are to be located. Regardless of whether changing stations are required for the project, in new construction and in renovations affecting washrooms, provide space for a wall-mounted diaper-changing station in each washroom. Reinforce the wall area at the changing station location adequately to support the changing station. Changing stations shall be fold-down type supporting a minimum of 250 lbs of static load when open and shall project no farther than 4” from the wall when closed.

.4 One mirror shall be supplied and installed above each washbasin in all washrooms. Separate mirror units are preferred as full counter width mirror abutting the counter surface, for ease of maintenance.

.5 One inclined handicap mirror shall be supplied and installed above each designed handicap washbasin.

.6 All washrooms shall be equipped with hand dryer(s) or, as a second option when noise is an issue, hand paper dispenser(s):

.1 If a hand dryer is installed, it shall be equipped with a sensor operated electric hand-dryer with low sound operation and, unless noted otherwise, with all the other usual necessary washroom accessories.

.4 Toilet Partition

.1 Shall be ceiling hung.

.2 A sealed structural engineer shop drawing shall be summited for the suspension to the slab (or other structure above).

.3 Avoid stainless steel partitions.

.4 Suggested mounting systems for ceiling-hung partition:
.5 Urinal Partitions

.1 Shall be wall flange mounted screens, unless noted otherwise.
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:

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