



## USE OF GUIDELINES

The University of Saskatchewan (USask) Design Guidelines are intended to provide information on systems and design components that must be followed for projects on campus. The information provided herein is considered minimum design standards for any system component noted. Designers are required to meet applicable Codes and standards for all systems and components not specifically mentioned within this document.

The Design Guidelines are living documents and as such, consultants are encouraged to engage the USask PD&C team to suggest updates or clarifications to the guidelines as necessary to ensure USask procedures and specifications stay up to date with industry practices. It is the Consultant's responsibility to ensure they are using the most up to date version of each section of the Guidelines for any new projects undertaken.

## DIVISION 8: Doors and Openings

### 08 10 00 – Doors and Frames General

1. All interior doors are reviewed with PD&C Planners. In existing buildings, all interior doors and frames should match existing type and grade. Where no precedent exists, doors should be solid core wood or stainless steel, in pressed steel frames.
2. Typical door sizes:
  - a. Typical door slab thickness: 44 mm
  - b. Minimum opening width: 915 mm single- and 1830-mm double doors
  - c. Wider door openings considered in specialized uses or rooms (refer to room specific guidelines): active leaf maximum width 915 mm with optional operable minimum leaf 610 mm.

### 08 40 00 – Entrances, Storefronts and Curtain Walls General

1. Systems to utilize pressure equalized cavities, exterior rain screen deterrents, and interior air seal barriers, assembled and installed to control drainage to the exterior.
2. All seals between frame and glazing to be made with compressed gaskets. No wet seals.
3. All curtain wall members to be thermally broken.
4. All curtain wall joints to contain pressured-plate mullion caps on all four sides. Structurally glazed and toggle-glazed curtain walls to be avoided.
5. All aluminum components to be anodized.

### 08 50 00 – Windows General

1. Operable windows may be considered only when security, noise and mechanical ventilation are not a concern.
2. Operable windows are not to be installed in laboratories or spaces where pressure differentials are required to allow negative pressure to be maintained and to prevent drafts.
3. Incorporate bird anti-strike design (window 'frit') as well as considerations for anti-perch and anti-nest controls to be considered on project-by-project basis.
4. Consider window washing and maintenance access to interior and exterior of glazing units, including in atrium spaces and exterior landscaping.
5. Glazing units to have a 5-year warranty.
6. Frame materials to be selected for a minimum 30-year service life.
7. For security, glazing units should avoid Georgian wired, instead consider laminated glass.

### 08 70 00 – Hardware General

1. Electronic Access infrastructure is required on all new builds and significant renovations. Electronic Access hardware provided by USask.



2. All hardware items must be compatible with USask standards. USask Key Shop to provide specifications for all cylinders and keys. Cylinders and keys provided by USask.
3. USask provides hardware specification for consultant to develop hardware schedule. Consultant to verify with PM on a project by project basis.
4. All locksets shall be lever design. No cylindrical or orbit handle locks accepted (regardless of existing conditions).

#### **08 80 00 – Glazing General**

1. The use of translucent glass panels in interior doors to provide natural light in corridors and address safety concerns is preferred. Frameless glass doors shall be avoided.
2. Glazed frostings/film requires consultation with PD&C. Graphics require consultation with University Communications. Size of glass in doors will dictate whether frosting or film can be applied.
3. Interior doors and windows used with modular wall systems are desirable in office and meeting room locations for aesthetics, life cycle costing and flexibility.

## **DIVISION 9: Finishes**

#### **09 00 00 – General**

1. All finish materials and colours should be approved by PD&C prior to their specification.
2. All maintenance manuals shall include maintenance instructions on all finish materials.

#### **09 20 00 – Drywall**

1. For protection of the lower 900 mm of walls in high traffic areas, chair rails, wall bumpers and corner guards are acceptable in coordination with PD&C.

#### **09 30 00 – Tile**

1. Floor tile must always be slip resistant and non-glazed.
2. Wall tile can be glazed finish.
3. Epoxy coatings over tile base not acceptable for showers. Slip-resistant, non-glazed finish tiles acceptable.
4. Accepted Tile Types:
  - a. Porcelain Tiles: Tiles for floors and walls, single-fired, square edges, slip resistant surface (matte) or polished, through body, colored base, colored body or double pressed tile.
  - b. Unglazed Ceramic (Quarry) Tile: Tiles mainly for floors, unglazed, single fired, square edges, slip resistant matte finish, uniform texture and colored all the way through.
  - c. Glazed Ceramic Tile: Wall application only, vitreous natural clay or semi-vitrified glazed, and glossy surface.

#### **09 50 00 – Ceilings**

1. Preferred suspended acoustic ceiling grids (T-bar) should accommodate 2' x 2' (imperial) tegular edged tiles.
2. USask standard ceiling tile (Armstrong World Industries Cortega Tegular 704 – Size: 610 mm x 610 mm x 15.9 mm) to be used unless higher NRC or additional functional requirements specified. To be approved by PD&C on a project by project basis. Standard for higher NRC tiles would be (Armstrong World Industries Canada Ltd.; Product: 1941 - Ultima High NRC 15/16" Beveled Tegular – Size 610 mm x 610 mm x 22 mm).
3. Specify ceiling systems that carry some assurance of a future supply of patterns and colours. Local suppliers are preferred.
4. Ceiling finishes used should be easily accessible and able to be removed and replaced by Facilities to accommodate equipment access and repairs.
5. Coordinate the provision of access hatches during the design phase for drywall and specialty ceilings.



6. Specify water resistant, mould resistant, and washable ceiling surfaces in high humidity spaces (food preparation, showers, washrooms, animal facilities, etc.).
7. Fire-resistant ceilings that require the use of hold down clips or concealed spline systems use should be limited.
8. Ceiling finishes to have a Flame Spread Rating (FSR) of 0-25 (Class A).
9. Ceiling systems should have a high recyclable material content where possible.

#### **09 00 00 – Flooring**

1. Consider the use of recyclable, recycled, non-toxic, low maintenance, sustainable and durable finishes and utilize water-based, low or non-volatile organic compound (VOC) type adhesives.
2. Specify Low Maintenance (non-wax options).
3. USask has standardized flooring and finishes by building across campus. Flooring standards are to be maintained for each building. If a flooring product is discontinued or not identified replacement should be in consultation with the PD&C.
4. Acceptable Commercial Resilient Sheet Floorings will be:
  - a. Rubber and Vinyl
  - b. Slip-resistant sheet vinyl with heat-welded seams is preferred in high traffic or wet areas, such as building entrances, corridors, hallways, laboratories, classrooms, coffee areas and lunchrooms.
5. Acceptable Commercial Resilient Tile Floorings will be:
  - a. Rubber, Luxury Vinyl Tile (LVT) or Vinyl Composition Tile (VCT)
  - b. Not to be installed in vestibule entrances or wet areas.
6. Acceptable Commercial Carpet:
  - a. Carpet Tiles (manufactured by Milliken, Interface or alternate approved by PD&C) and walk off carpets (roll goods or tile with manufacturer to be approved by PD&C).
  - b. Carpet color and pattern to allow for minimal maintenance and cleaning.
  - c. Walk-off entry carpet tiles to extend 6m from entrances, where possible. Mat wells (depressions) are not acceptable.
7. Acceptable hard surface finishes:
  - a. Exposed or polished concrete (with appropriate level of grit) or poured terrazzo and terrazzo tile.
  - b. Exposed concrete in mechanical, electrical and other service room floors and stairs to have an appropriate stain resistant sealer.
  - c. Hard nosing to be installed on the steps or tiers.
8. Acceptable tile flooring – see section 09 30 00 above.
9. Wall base shall be addressed on a project by project basis depending on the flooring, room functions, space type and/or building involved.

#### **09 80 00 – Acoustic Treatments**

1. Additional technical advice on acoustics may be required with permission obtained from PD&C to engage an Acoustic Specialist.
2. Attention to acoustic treatment will consider sound levels in occupied spaces, as well as service rooms, and spaces adjacent to exterior of buildings as necessary, where loud exhaust fans and equipment operates immediately adjacent to exterior public walks and spaces. Any vibrating equipment (mechanical, electrical and other) must be provided with isolation treatment, and any other equipment requiring special acoustic treatment must be properly accommodated.
3. When selecting sound absorbing materials, strength and clean-ability (based on sterilization requirements of spaces), to be carefully considered. In general, all sound absorbing materials should be kept well above the occupied zone and must be well secured.

#### **09 90 00 – Paints and Coatings**

1. Provide durable, and easily maintained wall finishes.
2. Walls exposed to high humidity levels such as washrooms, showers, and wet labs shall be constructed free of any wood products or other material susceptible to moisture damage.



3. Hard surfaces are preferred; however, soft finishes may be considered for their acoustic properties, where necessary.
4. Utilize stainless steel corner guards.
5. Provide protection to walls up to 1200mm above finished floor in areas prone to damage, including all service areas. Acceptable wall protection includes abuse-resistant drywall, stainless steel, masonry, hardwood veneer plywood.
6. All paint systems shall be MPI "premium grade" and low VOC.
7. Walls sheen should be eggshell or satin. Door frames and doors should be semi-gloss sheen. Ceilings (if painted) should be flat sheen.
8. All products for each paint system applied shall be from same manufacturer for compatibility.

## DIVISION 12: Furnishings

### 12 10 00 – Art

1. All art pieces to be coordinated and approved by USask *Art Galleries and Collection*.

### 12 20 00 – Window Treatments

1. A roller-shade is the approved product for window coverings. Acceptable accessories include:
  - a. Engineered heavy duty chain drive pulley operating system with adjustment-free continuous stainless-steel ball chain with 50 kg breaking strength.
  - b. Standard loop length to be as long as shade, or to 915mm above finished floor.
  - c. (Typically) 3% or 5% transparency.
  - d. Provide dual-roll if black-out function is required.
  - e. Materials selections to be approved by PD&C with neutral colours preferred.
  - f. Provide valance to conceal roller blinds except when recessed into a pocket (detail).

### 12 30 00 – Casework

1. Design to minimize joints. Where possible, tops to be continuous with no open seams.
2. Surfaces to be integral with backsplash wherever possible.
3. All edges to be rounded.
4. Ensure all surfaces meet the requirements for the specified containment level.
5. Acceptable *countertop* materials (selection to be based on use or classification):
  - a. Solid epoxy resin
  - b. Stainless steel (minimum 14 gauge)
  - c. Natural stone
  - d. Phenolic resin (High Pressure Laminate)
  - e. Solid surface with high-heat resistance (acrylic resin with natural minerals)
6. Acceptable *wood-core* materials:
  - a. Solid birch (wood)
  - b. Plywood
  - c. High density fibreboard (HDF) with a minimum 700 kg/m<sup>3</sup> density
  - d. Medium density fibreboard (MDF) with a minimum 700 kg/m<sup>3</sup> density, FSC certified, free of added formaldehyde
7. Custom laminate members to have a 3mil edge banding to match surface material
8. Acceptable *adjustable shelf* hardware:
  - a. Knape & Vogt
  - b. Pilaster Strip (mortised)

### 12 50 00 – Furniture

1. All furniture selections to be approved by PD&C planner.



### 12 93 00 – Site Furnishings

1. Bike rack preferred manufacturer is Cora.
2. Trash receptacle preferred manufacturer is Landscape Forms.
3. Site seating preferred manufacturer is Landscape Forms 'Gretchen' (Michigan USA).
4. Bollards only to be used with approval of PD&C. If used minimum standard for Bollards to be minimum 203mm diameter, poured-in-place with embedded steel tube, filled with concrete with domed top, painted safety yellow, 1067mm in height, designed to meet ASTM F2656 crash rating.
5. Site fencing requires approval from PD&C and is to be site specific.