Design Guideline 102113
Toilet Compartments

Scope

Designing and specifying toilet compartments.

Related Sections

U-M Design Guideline Section:
6.1 DG102800 Toilet Accessories
8.0 Preferred Manufacturers List

Design and Installation Requirements

Generally, ceiling hung partitions are preferred for ease of cleaning. Coordinate ceiling hung units with supplemental structural steel support work. Steel support shall be designed by a structural engineer to resist rotational forces as well as weight concerns. Unbraced channels are not sufficient to stabilize panels.

Ceiling hung partitions are not recommended for ceiling heights in excess of 8'-0". Where ceiling suspended units are not feasible, provide floor supported units with headrail bracing at door openings. Wall and floor cantilevered units are generally not as stable and should be avoided.

Urinal screens shall be wall mounted to provide visual privacy and allow for ease of cleaning of floor below. The floor mounted option shall be reviewed with the Design Manager.

Material Selection:

Provide Class A or Class B fire rated materials. Design Professional shall determine compliance of material required based on occupancy and use. Note Class A material is substantially higher cost and should only be specified if required by code. Otherwise provide Class B materials for cost saving and larger selection of product available.

Panel thickness shall be industry standard for material chosen.

- Painted Metal Panel: Constructed of galvannealed steel with a high-grade synthetic enamel or powder coated finish.
  - Economical partition material.
- HDPE (High Density Polyethylene): Constructed from 1" thick high density polyethylene with homogenous color.
  - Preferred for housing and campus building projects
  - Mid-range partition material.
  - HDPE partitions shall be a floor mounted partition system, due to the weight of the system and potential hardware alignment issues with a ceiling mounted system.
  - Floor mounted pilasters shall have stainless steel shoes for durability.

- Phenolic: Constructed of a solid phenolic core with a high-pressure decorative matte surface finish as an integral part of the core material.
    - Mid-range partition material.
- Stainless Steel: Constructed of minimum 20 gauge panels.
    - Premium partition material.

Hardware and Accessories:

- Provide stainless steel hardware with tamper resistant fasteners.
- Hinges: Either surface-mounted or cutout inset type, adjustable to hold doors open at any angles up to 90 degrees.
- Latch and Keeper: Provide slide latch unit, with provision for emergency access.
- Barrier Free Latch and Keeper: At each out swinging partition door, in addition to standard hinges, coat hook and other specified hardware, provide manufacturer's standard ADA-compliant latch and keeper. In addition, provide the following:
    - Handles: Provide manufacturer's standard ADA-compliant pull handles on both the interior and exterior sides of partition doors.
    - Barrier-Free Latch and Keeper shall allow the user to close and secure the door with a single motion of one hand.
- Coat Hook and Bumper: Mfr's standard unit, rubber tipped.
    - Provide additional accessible height coat hook in barrier free stalls
- Purse Shelf: Stainless steel pull down purse shelves are desirable in women's toilet compartments.
- Door Pulls: Mfr's standard, exterior of standard stall doors and both sides of barrier free stall doors.
- Brackets and fittings shall be stainless steel.