

**DIVISION 10**  
**SPECIALTIES**

**10.1 Design Guidelines for Public Restrooms in Airport Terminal Buildings**

**10.1.1 Location**

**10.1.1.1** Restroom facilities should be evenly and conveniently distributed throughout the main public areas. A maximum walking distance of 150 feet to a restroom should be used as a guideline; therefore restrooms should be approx. 300 feet apart.

**10.1.1.2** Each location should include; men, women, and unisex toilet rooms. These three rooms should always be grouped together; the entries should be adjacent to each other so that they are visible to the passengers. The unisex toilet room should be signed with the men's, women's, accessibility symbols and labeled "toilet".

**10.1.1.3** Entries should be designed to prevent line-of-sight from the public areas.

**10.1.1.4** Entries to the men's and women's rooms should not have doors, but switch-back or "T" access halls, that are wide enough for two people to pass. The "T" access is preferred for rooms with larger number of fixtures due to the improved circulation. Switch-back is acceptable for rooms with smaller number of fixtures.

**10.1.1.5** Circulation in rooms with larger number of fixtures should be arranged in a loop to avoid dead-end conditions.

**10.1.2 Fixtures**

**10.1.2.1** The fixture counts within each room should be calculated based on the function and occupancy of the area/function the restroom supports.

**10.1.2.2** The unisex toilet room will always contain one lavatory counter, one toilet, a diaper changing station and a bench/shelf for nursing mothers or an attendant to wait (this will also satisfy the baggage shelf requirement.

**10.1.2.3** Toilets and urinals shall have automatic flush with manual flush button.

**10.1.2.4** Lavatory faucets shall be automatic with pre-set warm water.

**10.1.2.5** Sinks shall be large oval or round porcelain or stainless steel under counter bowls without stoppers.

**10.1.2.6** Sinks should be spaced a minimum of 42" on center to allow adequate counter surface.

**10.1.2.7** Toilets shall have elongated bowl and non-contouring seat.

**10.1.2.8** For urinals, provide extended bowl wall-mounted units.

**10.1.3 Accessories:**

**10.1.3.1** Counter tops shall be solid surface material or granite with backsplash on all walls. Backsplash shall be a minimum of 4" high.

**10.1.3.2** Locate center pull paper towel dispensers (similar to Bay West model #680) on the mirror wall above the trash holes with clear visibility. Provide another sidewall unit if this location are not ADA compliance.

**10.1.3.3** Provide stainless steel accessories: jumbo tissue dispenser (similar to Bay West model #887), toilet seat protectors, and feminine product receptacles.

**10.1.3.4** A 6" diameter trash hole should be located in the countertop between the sinks, with a trash receptacle located in a lockable under-counter cabinet. (Refer RAC center)

**10.1.3.5** A semi-recessed wall trash receptacle shall be located at the exits.

**10.1.3.6** Provide large wall mirrors in front of lavatories.

**10.1.3.7** Provide hooks adjacent to lavatory for hanging bags, purses, and briefcases. Provide a 12" deep purse shelf at back of counter and/or on sidewalls.

**10.1.3.8** Provide easily operated access panels to conceal pipes and water shut off valves under each sink.

**10.1.3.9** Provide a full-height dressing mirror out of the main circulation path.

**10.1.3.10** Provide liquid soap pump (that fill from the top) at each sink so that the spout drips into the sink.

**10.1.3.11** Provide one GFI duplex receptacle at the least trafficked end of the counter.

#### **10.1.4 Toilet Partitions:**

**10.1.4.1** Partitions should be stainless steel or solid surface material.

**10.1.4.2** Partitions should be ceiling hung with extension to the floor every third compartment and at the end corner to stabilize the panels.

**10.1.4.3** Partition shall be 12" above floor and extend up to 78" for privacy.

**10.1.4.4** Latches should be easy sliding bars (ADA compliance).

**10.1.4.5** Cubicle shall have minimum clear dimensions of 38" wide and 66" deep, to provide enough room in front of the toilet to maneuver the door and carry-on.

**10.1.4.6** Purse/coat hook on partition side panel behind door swing 60" above floor level.

**10.1.4.7** Provide a 12" deep baggage wall shelf behind toilets and urinal bank.

**10.1.4.8** Stainless steel grab bars in accessible stalls.

**10.1.4.9** Provide privacy partitions between each urinal.

#### **10.1.5 Floor Material:**

**10.1.5.1** Flooring shall be ceramic, porcelain tile rated for heavy duty use or terrazzo. Natural stone is semi-porous, therefore should not be used on floor.

**10.1.5.2** Tiles should be large; 12" x 12" minimum to reduce grout lines. Accent tiles may be smaller.

**10.1.5.3** Joints should be tight; 1/4" maximum. Grout shall be medium gray.

**10.1.5.4** Square edge tile should be used to minimize joint expression. Rustic or heavy cushioned edges should not be used.

**10.1.5.5** Very light or dark tones do not look clean therefore should not be used.

**10.1.5.6** Tile with multiple colors, veining, mottling or specks appear cleaner than solid tiles. Solids should not be used.

**10.1.5.7** Tile with textured glossy finish should be used in lieu of flat matt.

**10.1.5.8** Base should be same as floor.

**10.1.5.9** Colors of tile or terrazzo and floor pattern should be carefully selected to reduce spotting and support a clean appearance.

#### **10.1.6 Other Materials:**

**10.1.6.1** Walls shall be non-porous materials (ceramic tile, solid surface, plastic laminate panels, hard stone, etc.) from floor to 84" minimum. Above 84": paint or appropriate wall coverings are acceptable.

**10.1.6.2** Color, patterns, finish of wall tile should maximize a clean-looking, well-lighted appearance. Use glossy/polished wall tile that appear cleaner than matt finish.

**10.1.6.3** The entries from the terminal should reinforce wayfinding by expressing a "restroom" cue. Materials should be coordinated with the terminal finishes and may not be the same as the restroom materials.

**10.1.6.4** Inside the "T" access corridor shall be a transition area between the terminal and the toilet room. These transition walls can be wall carpet or other durable materials that can tolerate rolling bags and provide acoustical treatment.

**10.1.6.5** Somewhere in the transition area (at eye level) the finishes should reinforce the overhead signage package to confirm a passenger is headed into the correct room.

**10.1.6.6** All restrooms shall be finished with the same materials, colors, patterns. If a distinction between men and women is provided it should be in the transition area.

**10.1.6.7** Ceilings must be accessible. Gyp. Board features with appropriate tegular edge 2x2 acoustical lay-in.

**10.1.6.8** Encourage a "trim" or molding feature above 84" (crown molding, wall molding element)

#### **10.1.7 Lighting:**

**10.1.7.1** Rooms should be well lighted. Especially at the lavatories.

**10.1.7.2** Provide a wall sconce fixture on lavatory mirror wall for lighting of faces. Provide warm white lamp.

**10.1.7.3** Use fluorescent lamps in concealed lighting coves, down lights and accent fixtures.

**10.1.7.4** The light level should be even throughout the room to reinforce the clean/ airy appearance.

#### **10.1.8 Other amenities:**

**10.1.8.1** Provide a built-in diaper changing station, 42" long x 24" deep in every men, women, and family room. Install in a remote, recessed but visible location. Provide a trash receptacle with lid and a paper towel dispenser at this location. Surface material should be same as lavatory counter. Provide a raised lip (approx. 2" high) at the open edge as a stop.

**10.1.8.2** Provide a "Kid Care Kit" dispenser and Diaper dispenser (with 2 sizes) in the unisex toilet room only.

**10.1.8.3** Provide feminine napkin and tampon vending units in women and unisex toilet rooms (price to be determined).

**10.1.8.4** Provide a floor drain(s) for maintenance of spills in the toilet areas. Do not slope floor. Provide music system speakers in the toilets.

**10.1.8.5** Provide more than adequate exhaust and ventilation.

**10.1.8.6** Locate electric water coolers in conjunction with restrooms.

**10.1.8.7** Provide fragrance dispensers.

**10.1.8.8** Comply with accessibility standards in the Building Code.

-- END DIVISION --