General Design Requirements
Z4030 Toilet Room Guidelines

PART 1 - GENERAL

1.01 OVERVIEW

A. This document provides design and construction criteria for public/patient and staff toilet rooms, as well as showers at The University of Texas MD Anderson Cancer Center (Owner).

B. Refer to Design Guideline Elements C3010 Wall Finishes, C3020 Floor Finishes, C3025 Base Finishes, and C3030 Ceiling Finishes for material types at room envelope.

C. Refer to the "D" series Design Guideline Elements for requirements relating to mechanical, plumbing, and electrical work.

PART 2 - DESIGN CRITERIA

2.01 GENERAL

A. The 2012 Texas Accessibility Standards (TAS) of the Elimination of Architectural Barriers Texas Government Code, Chapter 469, and 2010 ADA Standards for Accessible Design (SAD) shall be adhered to for accessibility aspects of the design. In cases where requirements of the two Codes differ, the more stringent of requirements which provides compliance with TAS, shall be used.

B. Where single-user toilet rooms meeting 1994 TAS requirements are present within a project area, Owner preference is to renovate to provide compliance with 2012 TAS toilet room requirements. Budget constraints and potential reduced functionality of adjacent spaces shall be considered in determining if toilet rooms will be enlarged to meet 2012 TAS standards. Confirm scope of work with Owner’s Project Manager.

2.02 DESIGN AND FINISHES

A. Thresholds at entrance doors shall be low profile, solid surface material. Refer to Owner’s Installation Detail “Typical Restroom Door Threshold” available on the Owner’s Design Guidelines website: http://www2.mdanderson.org/depts/cpm/standards/details.html

B. Refer to Part 4 of this Element for illustrations indicating tile joint layout requirements at multi-user toilet rooms.

C. In multi-user toilet rooms, the design shall incorporate features which limit sight lines into the space, and ensure user privacy. Design elements such as vestibules, screen walls, and carefully considered door placement-door swing can provide a measure of privacy. Under no circumstances shall lavatories and urinals be in direct view when the entry door is opened as typically required for passage.

   1. When entrance doors must be located adjacent to lobbies, waiting rooms, or other similar non-corridor public spaces, Owner preference is for the use of alcoves or other type of offsets for door placement.

D. Avoid use of toilet room doors that swing out into corridors, creating a safety hazard. If an out-swing corridor door is required, it shall be fully recessed in an offset. Ensure that the type
of door lockset specified allows for entry by Owner in instances where the user requires emergency assistance.

E. At accessible stalls, every effort shall be made to provide a design which locates the side grab bar on the wall, in lieu of the toilet partition.

F. Where new/additional drinking fountains are required in the scope of work, locate them in close proximity to multi-user toilet rooms whenever possible. Use of hi/low units is preferred over individual drinking fountains. Recessing of units fully into an alcove is preferred in order to maintain usable corridor width. Where use of an alcove is not possible or appropriate, ensure TAS/SAD compliance is achieved through use of an apron at the high, non-accessible unit.

2.03 PLUMBING FIXTURES

A. For toilet room fixtures which are not subject to TAS/SAD, comply with International Plumbing Code (IPC) requirements for minimum stall size and fixture spacing. Plumbing fixture counts shall be based on IPC requirements.

B. Confirm with the Owner's Project Manager the type of lavatory/sink to be used in the design. Generally, individual wall hung lavatories are used in single-user toilet rooms, and solid surface material sinks and counter tops are provided in multi-user toilet rooms. These general guidelines vary however, depending on location of toilet room and user group.

C. Where counter tops with integral sinks are provided, the design shall comply with Owner's Installation Detail, "Counter Detail at Toilet" available on the Owner's Design Guidelines website: http://www2.mdanderson.org/depts/cpm/standards/details.html

D. A floor drain shall be provided in multi-user toilet rooms. The slab shall be continuously sloped or "dished" in the vicinity of floor drain at these rooms.

2.04 TOILET AND BATH ACCESSORIES

A. Owner-furnished toilet and bath accessories will include toilet seat cover dispensers, sharps containers and soap dispensers. Confirm with Owner’s Project Manager.

B. Contractor-furnished toilet and bath accessories shall include automatic paper towel dispensers, grab bars and towel bars, toilet paper dispensers, feminine napkin dispensers, diaper changing stations, aluminum framed mirrors, and wall mounted trash receptacles. Provide power to Owner and Contractor provided accessories where required.

C. The distance that each toilet room accessory projects beyond the face of wall must be carefully considered when determining the adequacy of a design, as it relates to clear approach space required by TAS/SAD at doors and fixtures.

D. Owner preference is to locate paper towel dispensers and waste receptacles near lavatories/sinks. Provide multiple dispensers and receptacles when more than two sinks are present. Where recessed motorized paper towel dispensers are used, sound attenuation blankets of minimum 3-inch thickness shall be provided in the wall surrounding all sides of the unit.

E. Toilet tissue dispenser mounting location shall be based on Owner’s Installation Details. These are available on the Owner’s Design Guidelines website: http://www2.mdanderson.org/depts/cpm/standards/details.html
F. Containers for sharps are required to be provided in various toilet rooms. Confirm with Owner’s Project Manager and Owner’s Environmental Health and Safety group all details regarding the furnishing, placement, installation and types of sharps containers.

2.05 SHOWERS

A. Where showers are provided, a drain shall be installed in each shower. The finished floor within showers shall be sloped at ¼” per foot to drain.

B. A “worst case” location for the shower curtain, which may be attached to an outward curving rod, shall be anticipated when determining the extent of floor area to be sloped to shower drain. Additional floor drain(s) shall be located in adjacent areas so as to remove all water that may escape the shower(s).

C. Owner approval is required for any design that does not provide a depressed slab for purposes of achieving required finished floor slope at both shower(s) and adjacent areas.

D. Where operable seats are provided in showers, they shall be the type with outboard, folding legs, capable of supporting a weight of 800 pounds minimum. Cantilever type seats supported solely from the wall shall not be used.

PART 3 - SPECIAL CONTRACT DOCUMENT REQUIREMENTS

3.01 GENERAL

A. Include all applicable Owner’s Installation Details referenced within this Element.

B. Develop and include all other installation details required to clearly communicate design intent and insure constructability.

C. Obtain approval from Owner’s Project Manager/Planner Designer for all finish schedules prior to issuance of Construction Documents.

D. Include in the specifications the requirement that Contractor confirm correct slope of floor to drain at toilet rooms and showers has been provided prior to starting installation of tile or other finish material. Include the requirement for leakage (flood) testing of shower pans, as well as membrane waterproofing at toilet rooms and showers.
Walls at vestibule and nearby are painted. Ceramic Tile is started at/near the toilet fixture wall. The wall opposite the entry door typically receives full height/width accent green tile. The wall behind the toilet fixtures typically receives the accent medallions centered on the wall.
Strict adherence to the tile layout (shown at right) should be followed when wall tile is specified in toilet rooms.

**ELEVATION - TYPICAL WALL TILE LAYOUT**
PART 5 - PRODUCTS

5.01 GENERAL

A. For all projects (renovation and new construction), refer to Owner’s Interior Finishes Standards. These are available on the Owner’s Design Guidelines website:
http://www2.mdanderson.org/depts/cpm/standards/interiors.html

B. For renovation projects, refer to Owner’s Master Construction Specifications. These are available on the Owner’s Design Guidelines website:
http://www2.mdanderson.org/depts/cpm/standards/specs.html

C. Confirm with Owner’s Project Manager the specific toilet room accessories to be used, and whether Owner or Contractor will provide/install each item.

PART 6 - DOCUMENT REVISION HISTORY

<table>
<thead>
<tr>
<th>Issue</th>
<th>Date</th>
<th>Revision Description</th>
<th>Reviser</th>
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<tbody>
<tr>
<td></td>
<td>12-11-07</td>
<td>Initial Adoption of Element</td>
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<tr>
<td>Rev. 1</td>
<td>10-09-08</td>
<td>Added links to Installation Details, Master Construction Specifications and Interior Finishes Standards located on the Owner’s Design Guidelines Internet site. Paragraphs 2.01 K., 2.01 P. and 4.01 A.</td>
<td>JRC</td>
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<tr>
<td>Rev. 2</td>
<td>12-23-08</td>
<td>Added provisions for sharps containers, paragraph 2.01,Q. Added Part 4 – Installation Example Illustrations</td>
<td>JRC, JT</td>
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<tr>
<td>Rev. 3</td>
<td>07-08-10</td>
<td>Renumbered Element from Z2065.</td>
<td>DOS</td>
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<tr>
<td>Rev. 4</td>
<td>11-22-11</td>
<td>Deleted exclusion of facilities within in-patient rooms in 1.01. Revised 2.01 A, F, G, and I to include ADA. Added 2.01 R and S relating to drains at restrooms and showers. Added 3.01 D to require testing of floor slope and performance of membrane waterproofing.</td>
<td>JRC</td>
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<tr>
<td>Rev. 5</td>
<td>04-17-12</td>
<td>Revised TAS reference in 2.01 A; Revised 2.01 B in its entirety; Added attenuation requirements in 2.01 L; Added 2.01 T.</td>
<td>JRC</td>
</tr>
<tr>
<td>Rev. 6</td>
<td>04-11-13</td>
<td>Reorganized content in Part 2; added toilet and bath accessories, 2.04.</td>
<td>JRC</td>
</tr>
<tr>
<td>Rev. 7</td>
<td>12-15-15</td>
<td>Deleted reference to special interior finish details in paragraph 2.02 B. Deleted elevation at fixture wall and photos of accent wall tile and counter tops with sinks, 4.01C&amp;D and 4.02A.</td>
<td>JRC</td>
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END OF ELEMENT Z4030