



Maryland Aviation Administration

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MEMORANDUM

TO: Distribution

FROM: Peter Charles, Manager
Division of Architecture
Office of Design and Construction

DATE: August 7, 2015

SUBJECT: Design Standard (DST) 2015-03, New Section 11.8.4, Adult Change Rooms

Effective immediately, the following modifications shall be made to the MAA Design Standards Manual, dated January 2015:

Insert the attached new Section 11.8.4, Adult Change Rooms.

Consultants listed herein are required to distribute this design standard to their respective staff and sub-consultants. If you believe the above standard conflicts with any other codes or regulations, or if you should have any questions regarding this matter, please contact the Manager, Division of Engineering at 410-859-7768.

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**MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION**

Supplement 2015-03 to the MAA Design Standards Manual
Insert the following new Section 11.8.4, Adult Change Rooms.

11.8 RESTROOM STANDARDS

11.8.4 Adult Change Rooms

- 11.8.4.1 General: The Maryland Aviation Administration has recognized a need to provide restroom facilities with greater accommodation than required by current accessibility codes and guidelines. Current MAA practice has been to provide family assist restrooms offering privacy for families with young children and individuals with special needs. The purpose of this Standard is to expand on those provisions, space permitting, and exceed the minimum requirements included in ADA Accessibility Guidelines and ICC ANSI A117.1.
- 11.8.4.2 Entrance Door: Comply with 11.9.5 Adult Change Room Door requirements.
- 11.8.4.3 Changing Table: Refer to Photo 2 and Drawings at end of this Article. Provide a floor-supported changing table, sized for use by adults, which can support individuals weighing a minimum of 400 pounds (180 kilograms). Table surfaces must be easily cleanable using steam or power-spray equipment. Do not permanently attach table to wall or floor to permit cleaning of spills on and around wall and floor surfaces behind and under table. Design table with the following characteristics:
- Removable top.
 - Adjustable leveling feet.
 - Rounded edges and corners on open sides of table.
 - Located against an inside corner of the room.
 - Minimum 6-inch high back- and end-splash, integral with top. Loose splashes are not permitted.
 - Medical examining table paper roller at end of table.
 - Duplex convenience outlet (GFCI), and emergency call switch with pull cord within reach of individuals using changing table and assistant. Call switch is to signal the Consolidated Dispatch Center, and illuminate a flexible response blue strobe signal light outside the Adult Change Room, above the entrance door.

Wood framing and panel products used in the design of the table are to be fire-retardant-treated. Refer to Design Standards Chapter 15 Fire Suppression Systems, Article 15.4 Fire Protection Information for Architects and Engineers, regarding architectural woodwork fire protection requirements.

Metals, including fasteners, are to be corrosion-resistant or otherwise protected from corrosion, including the effects of cleaning chemicals. Fasteners securing removable top are to be tamper-resistant.

Grab Bars are to be installed along the full length and width of changing tables. Provide at least one intermediate support for grab bars installed along the length of changing tables. Comply with ICC (ANSI) A117.1 requirements for grab bars, except increase structural strength requirements to 400 pounds (1770 N). Peened grip for grab bars is optional.

Assistant's Chair: Subject to program requirements, provide area adjacent changing table (end opposite paper roll preferred) for one assistant's chair. Chair may also be used by nursing mothers in addition to those assisting individuals with decreased mobility. Chair must be easily cleanable, water-resistant, and capable of supporting a minimum weight of 300 pounds (135 kilograms). A fixed seating location is preferred. Optional features may include adjustable chair armrests and seat height, folding armrests and seat. Refer to Photo 1 at end of this Article for sample product available.

- 11.8.4.4 Changing Room Design: At a minimum, design Adult Change Rooms to comply with applicable requirements of ICC (ANSI) A117.1 Accessible and Usable Buildings and Facilities, and the Code of Maryland Regulations (COMAR). Designers are encouraged to provide enhanced accommodation for these spaces, exceeding the minimum requirements contained in this Standard. For example, motorized wheelchairs, scooters, and wheelchairs and scooters with additional back and head support, often require greater floor space to maneuver and access plumbing fixtures. Additional space adjacent the water closet for assistant's use in aiding transfer may also be provided.

Room Finishes: Select finishes that can be cleaned easily, are mold and mildew resistant, and contain antimicrobial agents, when available by product manufacturers. Avoid finishes that are easily stained. Waterproof floors in accordance with Article 11.6 Floor and Wall Coverings, paragraph 11.6.8 Waterproofing. Grout joints of ceramic, porcelain, and quarry

tile are to be sealed. If epoxy grout is used for tile, note that some types of epoxy grout cannot withstand certain cleaning methods that may be used, including steam-cleaning. Provide ceilings consisting of framed monolithic gypsum board, suspended gypsum board system, or suspended exposed grid system and gypsum panels. Comply with Article 11.8 Restroom Standards, paragraph 11.8.2 Facility Construction Requirements for typical restrooms.

Water Closet: Wall-mounted type, conditions permitting.

Lavatories: Wheel-chair type with lavatory guards.

Vanities: Vanities are optional. If provided, ensure weight of an individual who may sit or stand on vanity can be supported.

Toilet Accessories: Coordinate with the Office of Transportation and Terminal Services, Division of Terminal and Landside Operations for toilet accessories provided by MAA vendor(s), which may include soap dispensers, paper towel cabinets, toilet tissue dispensers, and sanitary napkin disposals. In addition to typical restroom accessories, include the following:

- Diaper changing station for infants.
- At least one large wall-mounted trash receptacle (recessed or semi-recessed preferred) for disposable diapers.
- Wall-mounted hook(s) for diaper bags and coats.
- Room deodorizer.
- Full-height angle-framed mirror with tempered glass.

11.8.4.5 Changing Room Design Scope: At the discretion of the Office of Design and Construction, elements of accommodation included in the Adult Change Room may be increased or decreased, but in no case less than what is required by referenced codes and regulations.

11.8.4.6 References:

- Assistant's Chair: Pressalit Care www.pressalit.com.
- Changing Table Paper Holder: Ritter 95 Treatment Table Accessories, Midmark Corporation www.midmark.com.

Photo 1:
Assistant's Chair

Chair, in this example, is attached to rail system, allowing horizontal adjustment. Height of seat and arms are adjustable and can be folded. Rail system is available in varying lengths.



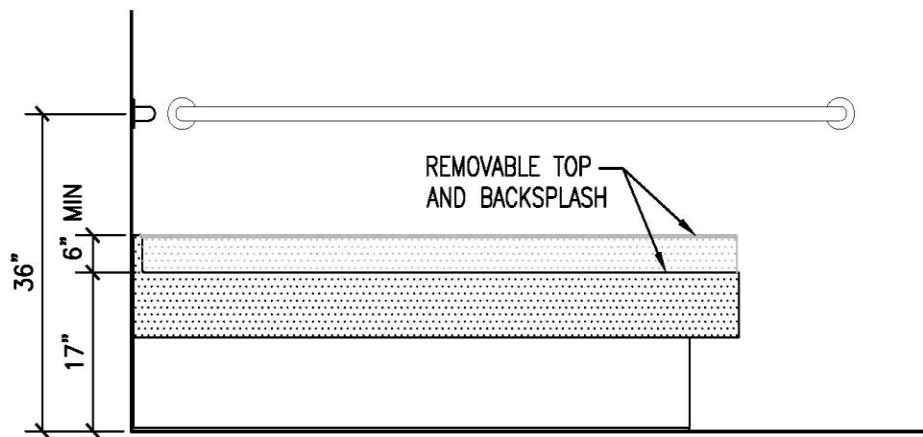
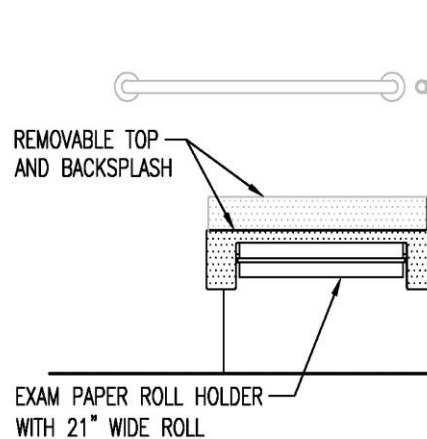
Photo 2:
Changing Room

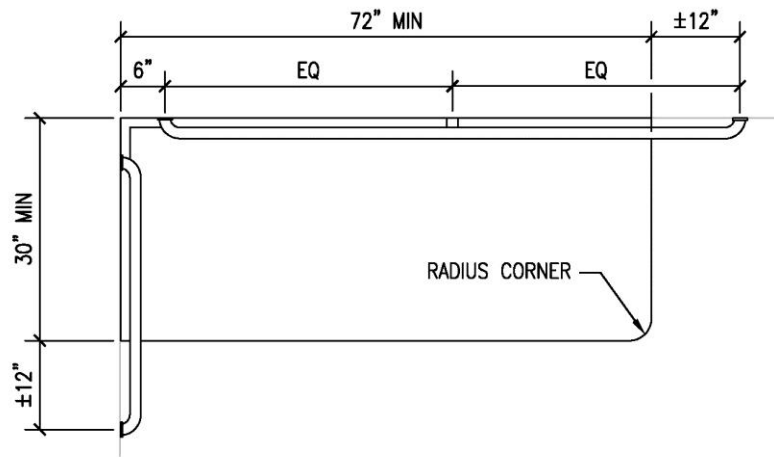
Changing table to right of view with examining table paper roll at end of table, housed within removable top. Duplex convenience outlet and emergency pull cord on wall at opposite end. Careful planning is required when locating plastic accessories supplied by vendors, to avoid encroaching upon required clearances.



Drawings: Changing Table

Locate table at inside corner of room. Design table as furniture, which can be moved for cleaning, and provide a removable top. Include grab bars mounted on wall along length and width of table. Extend room finishes behind and below table. Preferred location of Assistant's Chair in this layout is to left of plan, and within reach of convenience outlet.

**FRONT ELEVATION****END ELEVATION**

**PLAN**