

<b>AMTRAK ENGINEERING PRACTICES</b> <b>Structures Department</b> <b>Standard Design Practices (SDP)</b>	<b>Section 3 – Minimum Building Technical Requirements</b>	<b>EP4000</b>
	<b>Chapter 12 – Furnishes</b>	<b>SDP: 3.12</b>
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## Furnishings

### I. Entrance Floor Mats and Frames

#### A. General

1. All entrance mats, either recessed or surface mounted, shall meet the Americans with Disabilities Act Accessibility Guidelines (ADA-AG).

#### B. Materials

1. Entrance mats shall be of the type that are easily picked up and removed for cleaning purposes.
2. Mats should be recessed wherever possible.

### II. Furniture

#### A. Interior Waiting Room (Stations)

1. The preferred system waiting room seating should be an industrial-type grade and should be stain- resistant and waterproof. The system must be durable, seamless and as maintenance-free as possible.
  - a. Station Program and Planning: Standards and Guidelines indicate the suggested interior waiting room seating system and manufacturer.
    - i. Manufacturer and system substitutions for interior seating may be considered on a case-by-case basis.
  - b. All benches should be firmly attached to the floor with tamper proof fasteners.
  - c. Intermediate arms should be provided for all interior benches.

#### B. Locker Room Benches

1. Shall be of composite material that is durable and moisture resistant.

### III. Site Seating (Stations)

#### A. Materials

1. Site seating shall be pre-manufactured steel benches with backs.
  - a. Wood bench systems shall not be used unless historic requirements govern and require their usage.
  - b. All seating shall be engineered to accept minimum 250 LB vertical or horizontal force applied at any point on bench.
2. Fabrication
  - a. All joints to be shop welded, ground smooth, and prepared for finishing.
3. Length
  - a. 4'-0" and 8'-0" lengths, or as appropriate for project needs.
4. Finish
  - a. Manufacturer's standard pre-finished powder coat paint or stainless steel. Hot dip galvanized prior to powder coating to provide protection against de-icing chemicals. Provide touch-up paint as required after field installation.
  - b. Seats should be of the same design and color palette across all stations, approved and in accordance with the Amtrak brand guidelines and design catalogue. Considerations on different seat designs can be given by Station Mangers on a per project basis.

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#### **B. Accessories**

1. Provide welded end arms on all benches. On 8'-0" long units provide one intermediate arm to impede pedestrians from lounging on bench. Provide a minimum of 42" and a maximum 48" clear width between arms.
2. All visible fasteners to be tamper resistant.

#### **C. Installation**

1. Benches shall be fixed in place and shall not promote undesirable uses.
  - a. Provide dedicated compliant wheelchair clear floor spaces adjacent to benches configured to allow for companion seating per ADA standards. Provide ADA compliant signage to identify the dedicated wheelchair spaces.
2. Surface mount to concrete deck with manufacturer recommended tamper proof mechanical fasteners which will be resistant to salt corrosion.
3. Install units in accordance with manufacturer's recommendations, plumb, level, and free of warp or twist.