Using the ADA and ABA Standards Series: Chapter 9: Built-In Elements

Presenters

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Session Agenda

- Dining & Work Surfaces
- Sales & Service Counters
- Teller and Service Windows
- Check-Out Aisles
- Food Service Lines
- Benches

Fixed/ Built-in Elements

“The Standards apply to fixed or built-in elements of buildings, structures, site improvements, and pedestrian routes or vehicular ways located on a site.”

§35.151(d), §36.406(b)

Moveable elements and furnishings may be covered by regulatory requirements
### Fixed/ Built-in Elements

- **Fixed Table**
- **Non-fixed Table**

### Dining & Work Surfaces (§226)

- Access to at least 5% of surfaces
- Applies to both standing and seating spaces
- Dispersion within space/ facility required
Dining Surfaces

Access at bars and dining counters

Recommended: Integrate accessible seating with other seating

Dining Surfaces

Access to tables instead of bars may be possible \textit{if}:

\begin{itemize}
  \item Located in same room or area
  \item Equal level of service/ experience
  \item Tables are fixed - otherwise, must rely on equivalent facilitation (ADA) or mod/waiver (ABA)
\end{itemize}
Covid-19 & Outdoor Dining Areas

Expanded outdoor dining areas for social distancing:
- Must maintain accessible routes and features
- Access to new dining areas (e.g., closed streets)
- Standards apply equally to temporary facilities
Picnic Tables

- Picnic tables that are fixed are covered
- Provisions for outdoor developed areas in the ABA Standards
- Standards include further detail

Work Surfaces

ADA Standards:
Scoping applies to work surfaces for public use or common use – excluding those used by employees for work (§203.9)

Accommodations for employees with disabilities required under the ADA (title I)
Work Surfaces

Requirements apply to all types of work surfaces

(Elements without work surface may be covered as operable parts)

Kitchen Work Surfaces

• Required in dwelling unit kitchens (§804.3), not other types (e.g., guest room kitchenette, break rooms)
• Must be located next to oven (if door bottom-hinged)
Dining & Work Surfaces (§902)

- Connecting accessible route
- Surface height: 28” – 34”
- Forward approach clear floor space

Dining & Work Surfaces (§902)

Knee and Toe Space must extend 17” – 25” below surface (measured from leading edge)
Dining & Work Surfaces (§902)

Knee and Toe Clearances

Knee and toe space must equal or exceed the reach depth over obstruction
Surfaces for Children’s Use

Optional alternate specifications for surfaces designed for children 12 and younger:

- Lower knee clearance (24” min.)
- Height 26” – 30” (31” max at lavs & sinks)

Surfaces for Children’s Use

Ages 5 and younger: parallel approach allowed instead of forward approach
Sales and Service Counters

Counters vs Work Surfaces

Extended Use

• Work surface
  – Built in desk
  – Food preparation space
• Dining Surface
  – Fixed restaurant table
  – Bartop

Short/Momentary Use

• Sales Counter
  – Retail store transactions
  – Ticket Windows
  – Checkout Aisle
• Service Counter
  – Information kiosk
  – Teller Window
Examples of Counters Covered

• sales counters (all kinds)
• reception & concierge counters
• information counters
• registration & check-in counters
• counters at ticket or service windows
• customer service counters
• ordering, pick-up & drop-off counters
• other types of service or sales counters
• (display/exhibit counters covered only if they function as a sales/service counter)

Minimum Number & Dispersion
(§227.3)

• At least 1 of each type of counter
• Each type of function at a counter
• Dispersion where counters dispersed
Minimum Number & Dispersion

Access to each type of counter

Height & Depth (§904.4)

same depth as counter (serving customer side)

36” max. high
Height & Depth

Accessible portion must be integral – folding/pull-out shelves not permitted (new construction or alterations)

Approach

Access for either a forward or side approach
Forward Approach

Counter width (30” min) and clear floor space

Portion of the clear floor space below the counter must meet clearances for knees and toes
Forward Approach

If both sides of the clear floor space are obstructed more than 24” (half the depth), additional width is required for maneuvering into the space.

Side Approach

The clear floor space is positioned parallel to the counter. Centering the space is advisable but not required.
Side Approach

Clear floor space must abut the counter’s leading edge.

Shelves, displays, and other elements cannot obstruct the clear floor space or offset it from the leading edge of the counter.

If both sides of the clear floor space are obstructed more than 15” (half the depth), the space must be longer.
Side Approach

The additional length eases positioning into the space.

Short Counters (§904.4.1, Ex.)

If entire counter < 36” long, full length must comply, but it does not need to be lengthened.
Side Approach: Alterations

Exception for alterations where space for the accessible counter is not available

Keep accessible portion clear!
Payment and other transaction devices can be located at the accessible counter.
Check-In Counter

Accessible portion must be as deep as the counter depth for customer use.

Recommended: Provide both forward and side approach access for optimum usability.
Counters at Service Windows

Counters at ticket/ teller/ service windows must comply.
Counters at Service Windows

The standards address counter, but not window, height. Pass-through openings/ drawers must comply as operable parts.

Security Glazing (§904.6)

Grille, baffle, or other means of easing voice communication required at security glazing.
Counters as Protruding Objects (§307)

Counters with leading edges higher than 27” that project into circulation paths must be treated as protruding objects.

Counters as Protruding Objects

Counters must be detectable within 27” above the floor (or be recessed in alcoves)
Counters as Protruding Objects

Side panels will permit a forward approach by keeping knee and toe space clear.

Check-Out Aisles
Minimum Number (§227.2)

<table>
<thead>
<tr>
<th>Total (each function)</th>
<th>Min. Accessible</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - 4</td>
<td>1</td>
</tr>
<tr>
<td>5 - 8</td>
<td>2</td>
</tr>
<tr>
<td>9 - 15</td>
<td>3</td>
</tr>
<tr>
<td>16 &amp; more</td>
<td>3 + 20% of add. aisles</td>
</tr>
</tbody>
</table>

ISA label (unless all comply)

Check-Out Aisles (§904.3)

2” max

38” max counter surface

Count surface and edge protection heights
Check writing surfaces can pull/ fold out or pivot (but not accessible portions of counters)

The height is addressed but not the size
Check-Out Aisles

Fixed card readers, sale terminals, and similar devices must comply as operable parts and be within reach range.

Check-Out Aisles

Devices that adjust, tilt are easier to use and see (the visibility of these displays are not addressed)
Check-Out Aisles

Check-writing surfaces can be fixed but cannot reduce the required clear width of aisles.

Self-Checkout/ Point-of-Sale Machines

- Must comply as operable parts where fixed
- Communication access is important (but not addressed by the standards)
In all types of facilities, queues & waiting lines serving accessible counters & check-out aisles must comply as accessible routes.
Food Service Lines

Food prep and other areas intended to be visible to customers should be equally visible to people with disabilities, but this is not addressed in the standards.

Tray Slides

Tray slides are not required but must comply where provided.

28” – 34”
Food Service Counters

Access is required to each type of counter provided. This is counter provides both forward and side approach access.

Self-Service Shelves

At least half of each type of self-service shelf, where provided, must be in accessible reach range.
Food Service Counters

Payment counters represent another type of counter.

Tableware, Dishware & Condiments

Fixed devices that dispense condiments, tableware, or dinnerware must also comply and be within accessible reach range.
Required Benches

- dressing/fitting/locker rooms (§803.4)
- saunas/steam rooms with seating (§612.2)
- where provided in holding/housing cells (§807.2.2)
Other Bench Locations

Benches at other locations (e.g., parks, plazas, and sidewalks) not required to comply

*Recommended*: Provide wheelchair space (36” x 48”) aside bench as specified in the ABA Standards for outdoor developed areas (§1101)

Bench Dimensions (§903)

**Bench with Added Back Support**

- 42” minimum
- 18” minimum
- 2” maximum
- 20" - 24"
- 17" - 19"

**Bench with Wall as Back Support**

- 42” minimum
- 20" - 24"
- 17" - 19"

Back support is required but does not need to be directly attached to the bench seat.
Bench Clearance

Required clear floor or ground space shall be positioned at the end of the bench seat and parallel to the short axis of the bench.

Other Bench Requirements

• Structural Strength (§903.6)
  – vertical or horizontal force of 250 pounds (1112 N) minimum
• Wet Locations (§903.7)
  – the surface of the seat shall be slip resistant and shall not accumulate water
Adult Changing Tables

Improve accessibility but are not required by the standards. Fixed/adjustable tables covered by requirements for operable parts (but not benches or work surfaces)

Technical Guides on the Standards
Available on the Board’s website

AccessibilityOnline Webinar Series
Chapter 9 – Built-In Elements
November 5, 2020
Questions?

You may type and submit questions in the Chat Area Text Box or press Control-M and enter text in the Chat Area.

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Questions will be addressed at the conclusion of this presentation.

Thank you for participating in today’s webinar

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USING THE ADA AND ABA STANDARDS SERIES:
CHAPTER 10: RECREATION FACILITIES
2:30 pm – 4:00 pm EST
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