

2017 ICC/A117.1 Update

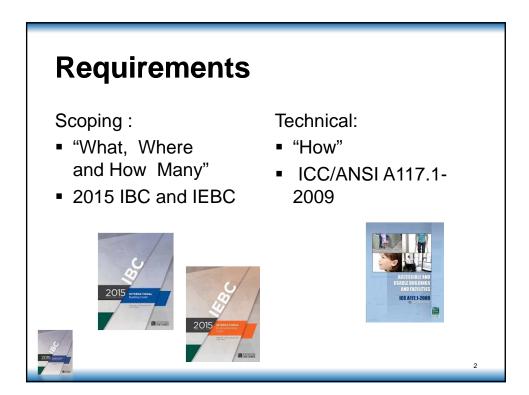
Presenter: Kim Paarlberg

Tuesday, September 12, 2017

9:45 AM - 11:15 AM







ICC A117.1 Accessible and Usable Buildings and Facilities

- Standard & Commentaries.
- History, reasoning and examples
- Technical assistance via phone, email or letter.





2

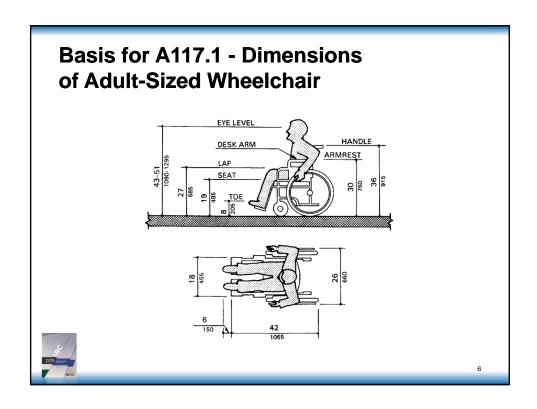
Role of the Code Official

- Enforce the locally adopted building code and any local or state laws
- Does <u>not</u> enforce ADA or FHA.









2017 ICC A117.1

- Revisions
 - Study on Anthropometry of Wheeled Mobility
 - Sponsored by the US Access Board
 - Including persons using manual wheelchairs, motorized wheelchairs & scooters
- http://www.udeworld.com/anthropometrics.html



Human Factor Anthropometrics

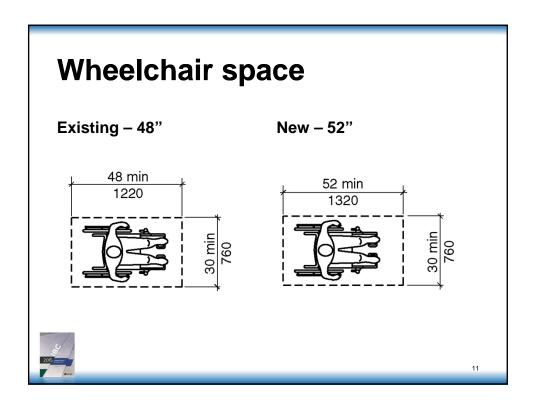
1154 (45)
1132 (46)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
1133 (52)
113 (52)
113 (52)
113 (52)
113 (52)
113 (52)
113 (52)
113 (52)
113

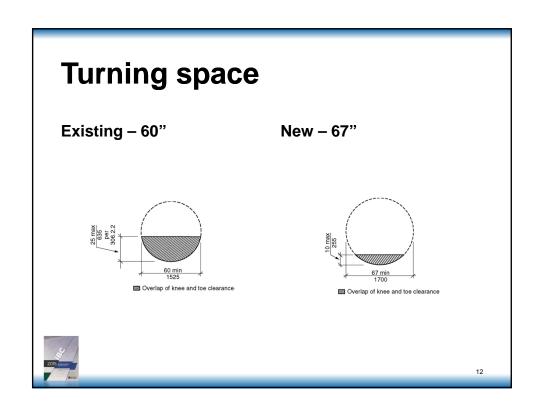
Existing building and facilities

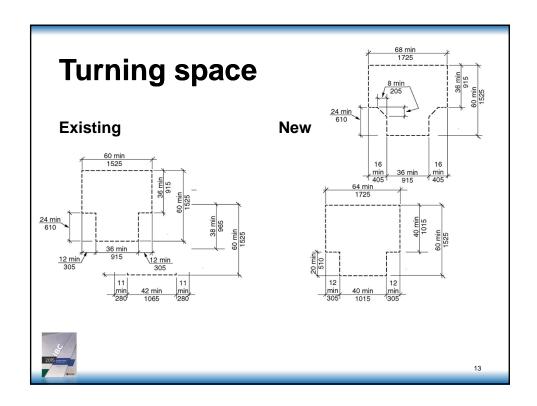
- New sizes <u>will not</u> apply to existing buildings or facilities
- Will apply to new construction and additions
- Definition:
 - existing building. A building erected prior to the date of adoption of this standard, or one for which a legal building permit has been issued.

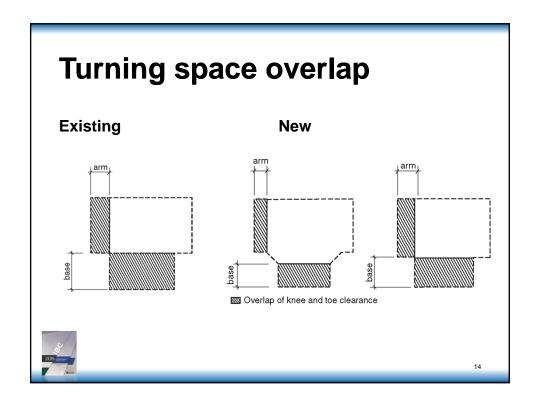


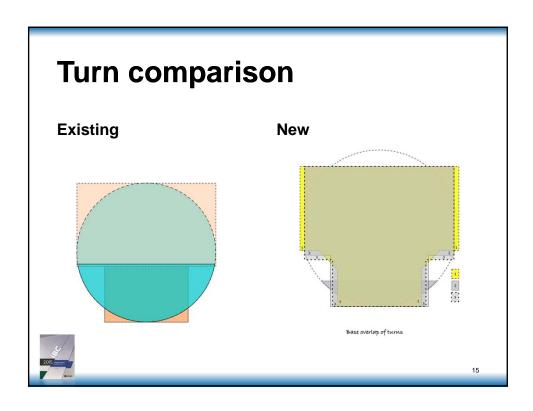


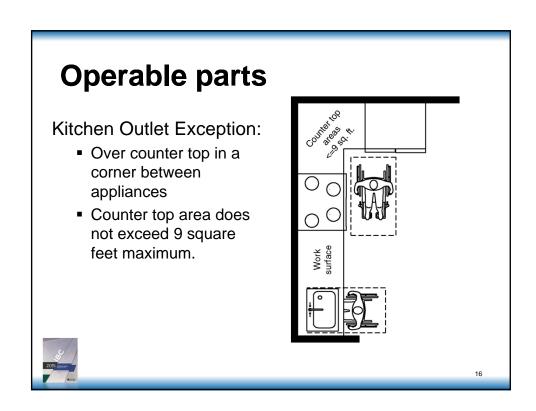




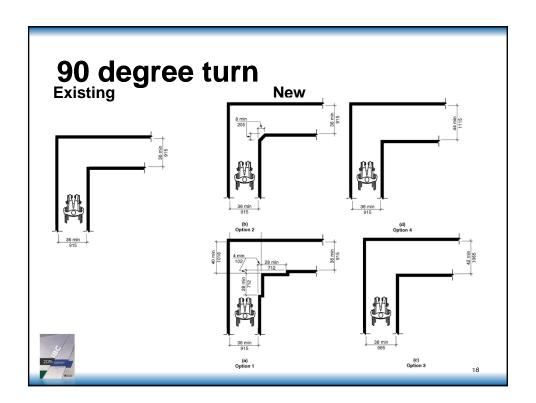


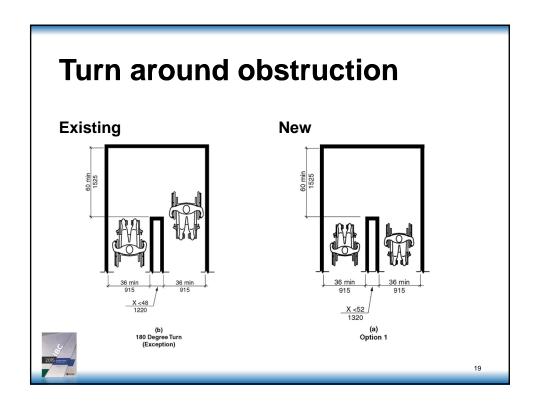


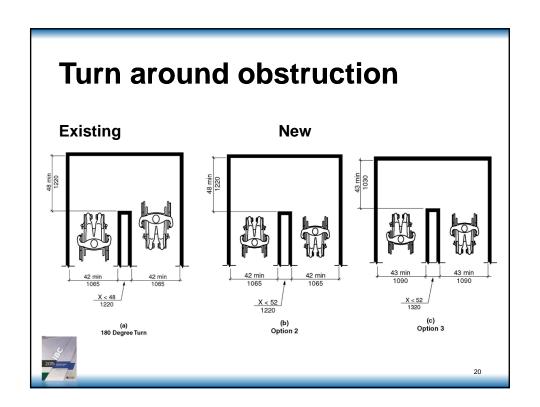


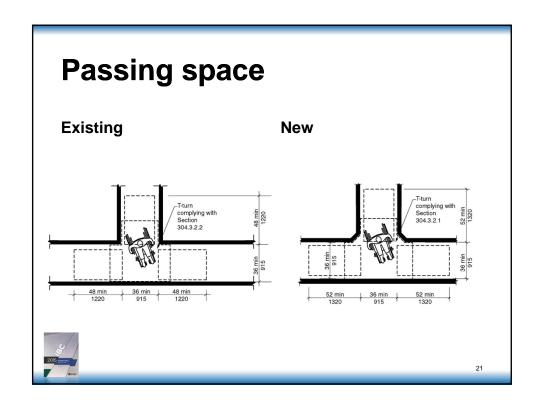


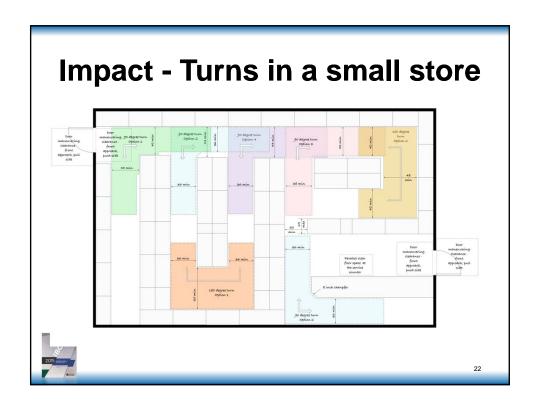


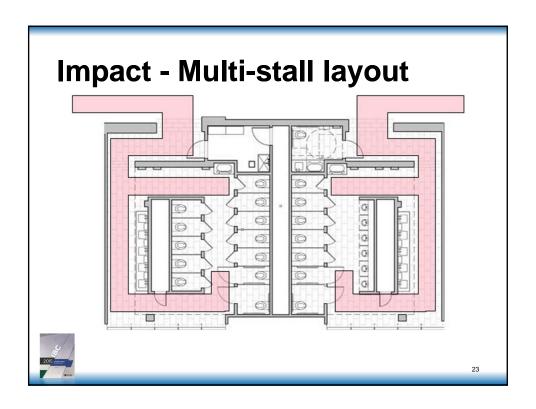


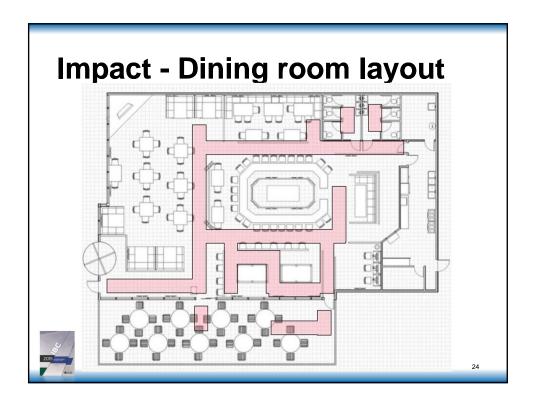




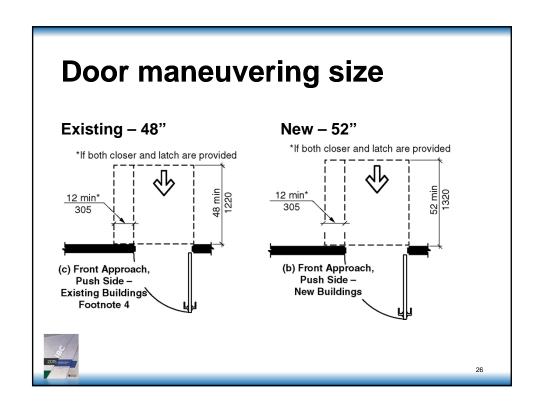


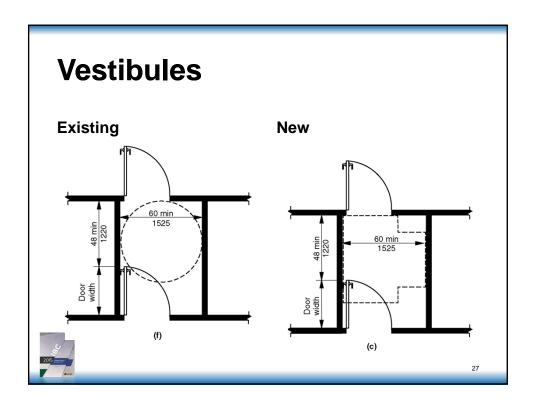


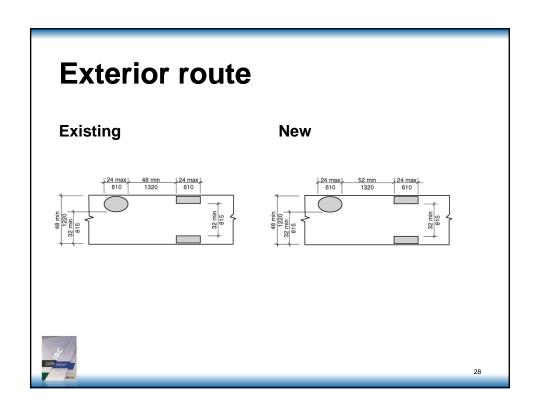


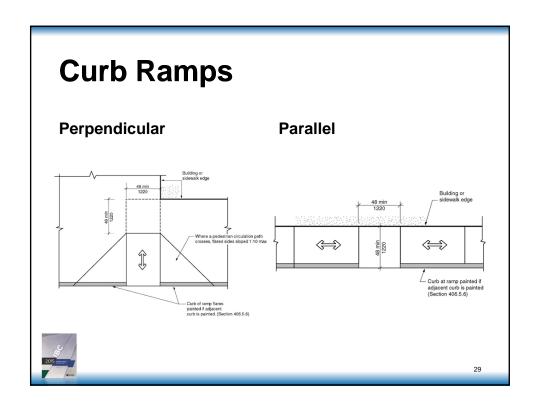


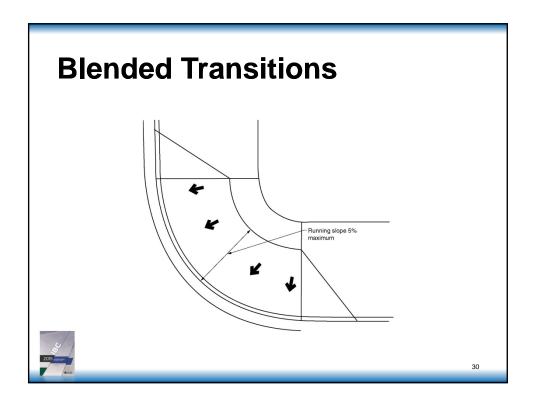
Doors: 404.2.3 Obstructions to the Maneuvering Clearance Knee and toe clearance cannot be included in required door maneuvering clearance Removed from 2015 A117.1 Prohibits the use of knee and toe clearances (i.e., under sinks or 22° min. counters) when overlapping maneuvering space at a door. ■ The intent is that users do not need to reach over an obstruction to operate the * If both closer and latch are provided * 48" min. (1220) if both closer and latch provided hardware. (e) Hinge Approach, Push Side











Platform Lifts

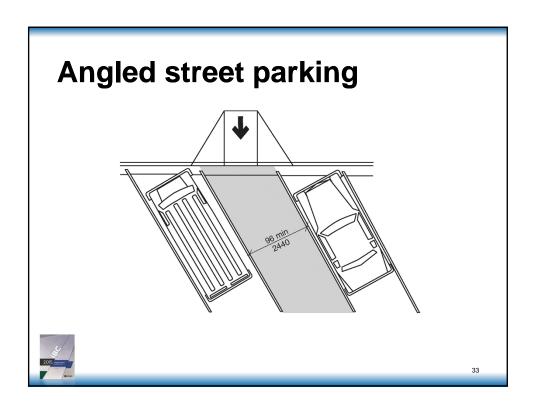
- Change in size for vertical platform lift for new clear floor space size – 36" x 52"
- Incline platform lift with barriers permitted to use 36" x 48"

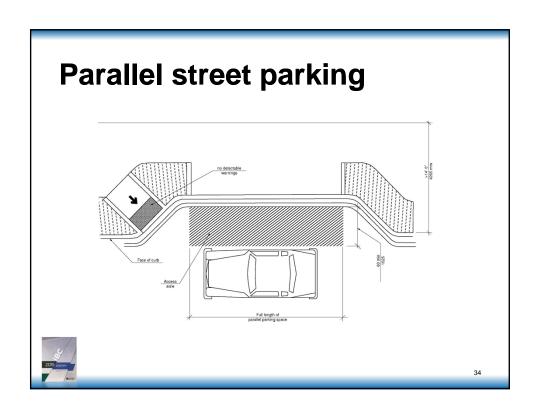












Parking meters and pay stations

- Clear floor space
- Reach range
- Operable parts
- Displays





35

Electric vehicle charging stations

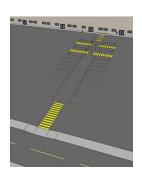
- Clear floor space
- Reach ranges
- Operable parts
- Route not obstructed by cord or barriers

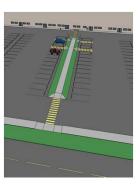




Routes across parking lots

Protected accessible route across parking lots







37

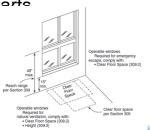
Windows

- One window per room except kitchens and bathrooms
 - emergency escape and rescue
 - natural ventilation
- Four forces on a window locking, unlocking, opening and closing

■ Locking/unlocking are operable parts

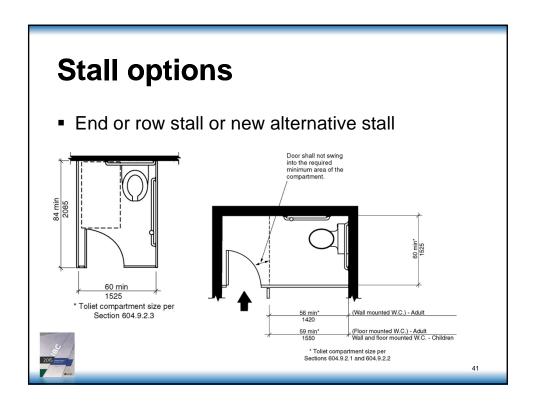
Opening/closing - AAMA 513

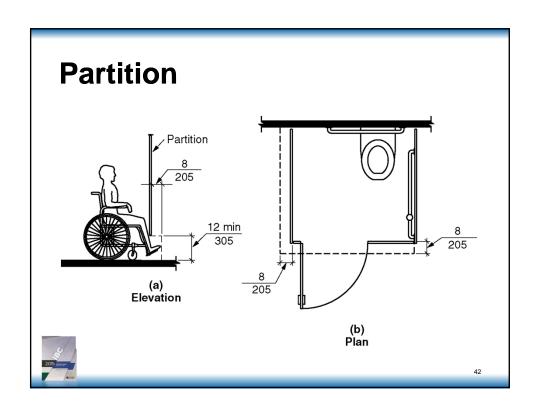




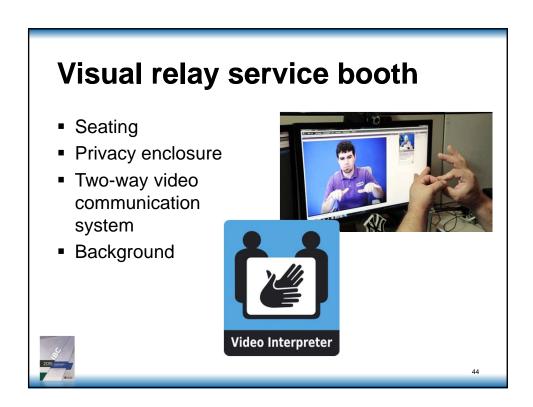










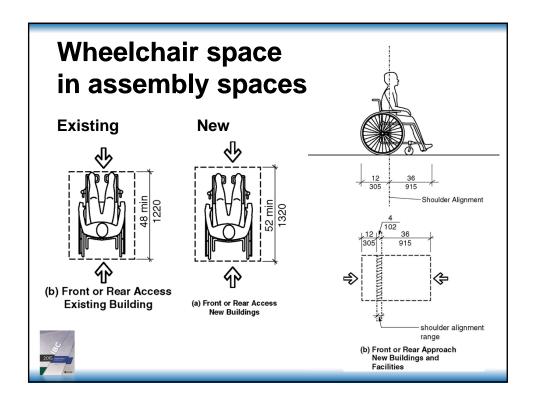


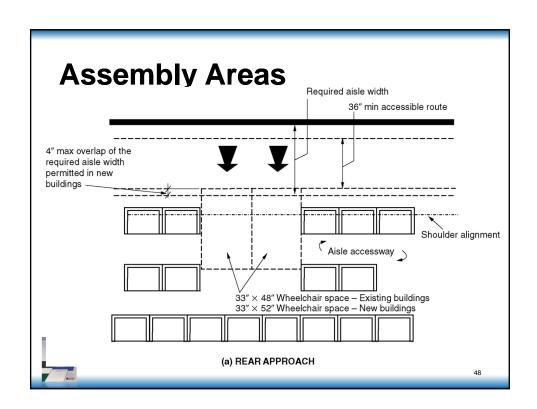


Assembly Areas: Definitions

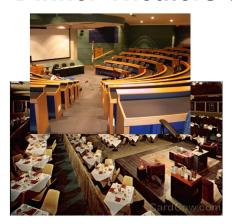


- wheelchair space: A space for a single wheelchair and its occupant.
- wheelchair space locations: A space for a minimum of a single wheelchair and the associated companion seating. Wheelchair space locations can contain multiple wheelchair spaces and associated companion seating.





Dinner Theaters & Lecture Halls



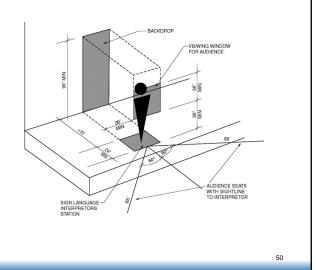
- Dispersion based on assembly seating to view an event
- Not work surface or dining room dispersion throughout



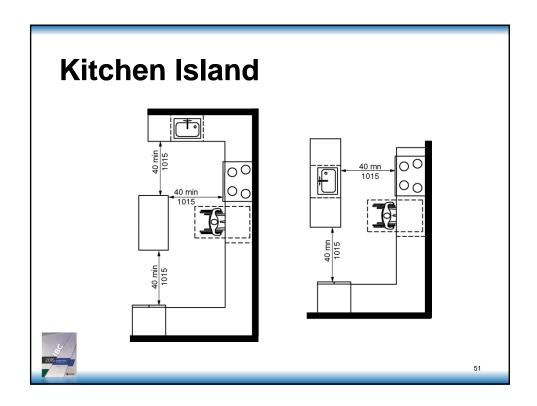
49

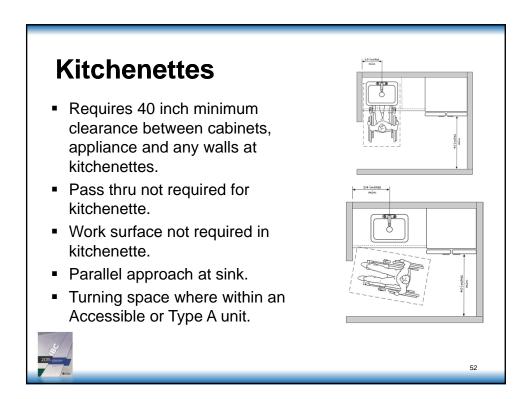
Sign language interpreters stations

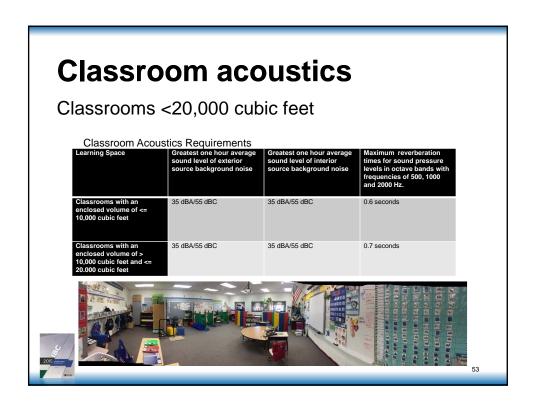
- Area to stand
- Viewing angle for audience
- Illumination
- Backdrop



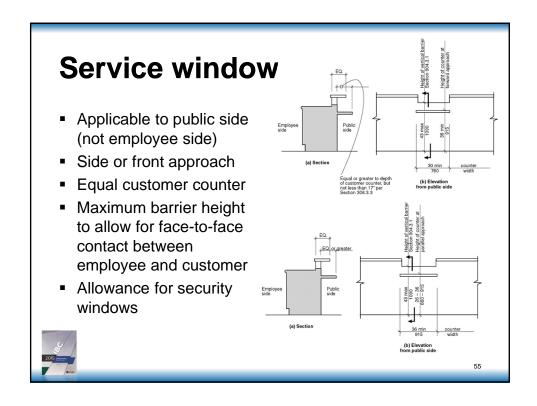


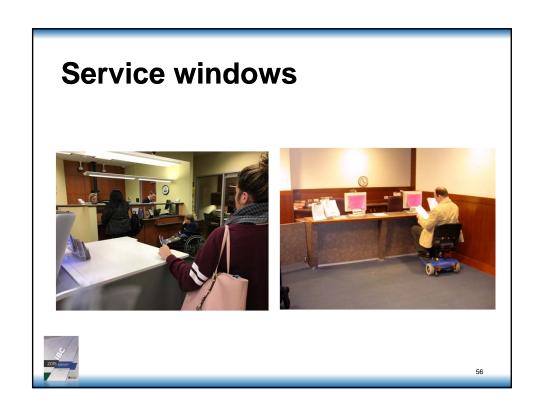
















Elevated Shooting Platform

- Exception:
 - 500 sq.ft. maximum
 - Elevated over 12 feet







Charging stations; Mattress height

- Charging Station:
 - Charge a motorized wheelchair
 - Option at assembly wheelchair space
 - Same space as transfer space next to bed in Accessible hotel or dorm rooms
- Mattress height

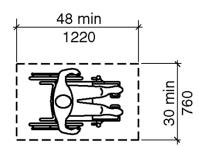




61

Type B units

- Keep old size
- Match FHA







International Codes – Code Change Process Logistics

- I-Code published every 3 years.
- 15 codes split into two groups: A, B.
- Single cycle for each group
 - Code Development
 - Final Action Hearings
- Repeat
- 2018 available in fall of 2017.





A117.1 Standard:

Change Process Logistics

- 5 year development cycle.
- One cycle of development between editions
 - Years 1 and 2: study groups
 - Years 3, 4 and 5: processing changes and publication.
- Repeat
- 2017 A117.1 available in fall of 2017

