

Presented by

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State of Connecticut Minimum Legal Requirements for Accessibility

The Why of Regulations

A Brief History of Architecture

- Millions of Years: creator of shelter
- Thousands of Years: confidant of pharaohs, kings, queens, popes and other wealthy patrons of the art
- Hundreds of Years: a gentleman's hobby
- A Few Generations: a profession
- Recently: a business

Do Meeting the Needs of the User and Design Fit the Job Description?

A Brief History of Code Enforcement

18 th Century B.C. Hammurabi's Law: If the building falls down, kill the Architect.



The 1960's

different rules and regulations in various municipalities throughout the State; some municipalities with no apparent regulations or guidelines

1971: State of Connecticut Building Code based on BOCA Basic Building Code/1970 as amended on various dates

1981: State of Connecticut Basic Building Code/1978 based on BOCA Basic Building Code/1978 as amended

1987: State Building Code based on BOCA Basic/National Building Code/1984+BOCA 1986 Accumulative Supplement + April 15, 1987 Connecticut Supplement

1989: State Building Code based on BOCA National Building Code/1987 + BOCA 1988 Accumulative Supplement + October 16, 1989 Connecticut Supplement

1994: State Building Code based on BOCA National Building Code/1990 + BOCA 1992 Accumulative Supplement + June 15, 1994 Connecticut Supplement

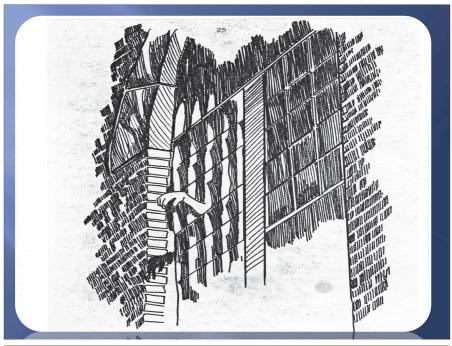
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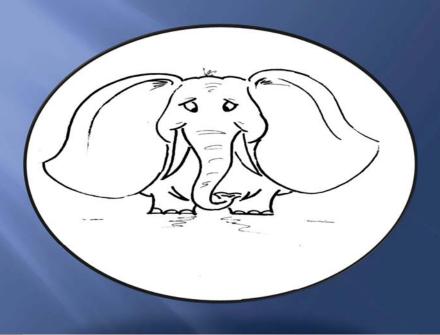
1999: State Building Code based on BOCA National Building Code/1996 + May 1, 1999 Connecticut Supplement + April 7, 2000 Amendment

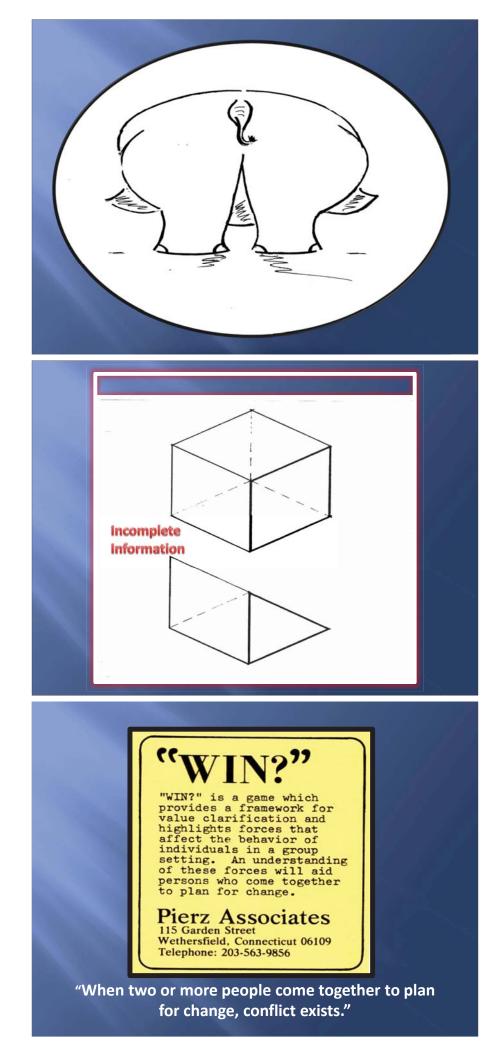
2004: 1999 State Building Code based on BOCA National Building Code/1996 + May 1, 1999 Connecticut Supplement + April 7, 2000 Amendment + September 1, 2004 Amendment

2005: 1999 State Building Code based on the 2003 International Building Code + December 31, 2005 Connecticut Supplement and 2009 Amendments

2014: Proposed New Code pending submission for Legislative Hearings and Action







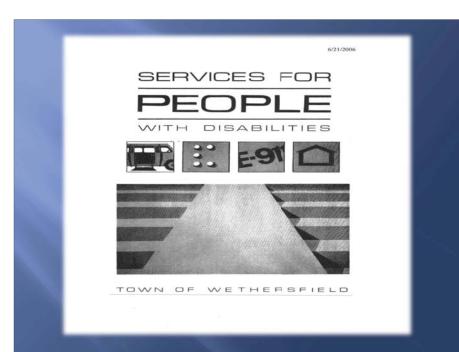
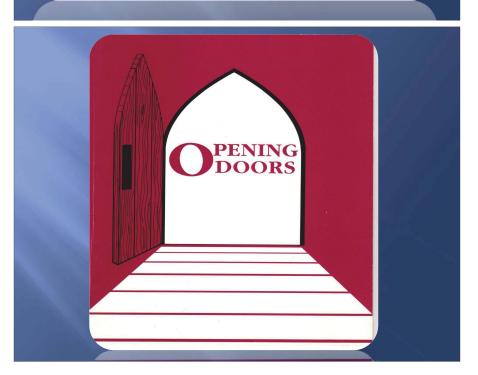


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Test Your Architectural Barrier Awareness

1. Ramps are easier for everyone to use than stairs.

False

Prostheses or long leg braces may make ramps difficult. Also, persons with balance problems may find ramps difficult to use.

8. If a door is wide, and if it has no threshold, it is accessible to persons in wheelchairs.

False

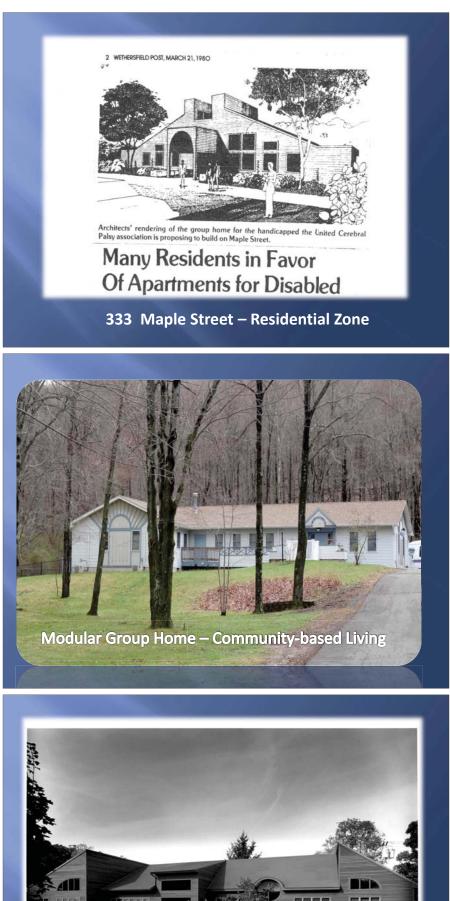
Not always! The door might be excessively heavy, or might have heavy pressure resistance. Also, the type of hardware can be a factor.

TEST YOUR ARCHITECTURAL BARRIER AWARENESS

How would you rate your awareness? Answers on pages 4 and 5

1.	т	F	Ramps are easier for everyone to use than stairs.
2.	т	F	Most guide dogs stop at intersection curb cuts (wheelchair curb ramps).
з.	т	F	Barrier-free buildings should have heat-sensitive elevator controls (the kind that work just by touching a number which lights up).
4.	т	F	The color used on stairways is a frequent cause of stairway accidents for elderly persons.
5.	т	F	Most people with visual impairments can understand direction signs in braille.
6.	т	F	Carpets can cause barriers for wheelchairs.
7.	т	F	Public rest room signs marked "Ladies" and "Gentlemen" may pose barriers to some persons who have mental retardation.
8.	т	F	If a door is wide, and if it has no threshold, it is accessible to persons in wheelchairs.
9.	т	F	A person with epilepsy or dizziness and fainting spells should have many bathroom grab bars in the bathroom.
10.	т	F	Most elderly persons and persons with disabilities should have a telephone in their bathroom.
11.	т	F	Some people suffer heat stroke in their shower or bathtub.
12.	т	F	Round doorknobs are generally the most difficult kind to use.
13.	т	F	A dark sign with light lettering is generally easier to read than a light sign with dark lettering.
14.	т	F	Most hotels/motels have evacuation procedures for guests who have disabilities and would require special assistance in an emergence.

· 1.	False	Prostheses or long leg braces may make ramps difficult. Also, persons with balance problems may find ramps difficult to use.
2.	True or False	Guide dogs now are trained to recognize and stop at curb cuts or curb ramps. Previously, dogs were trained to stop at abrupt changes in level (e.g., curbs, steps, etc.).
з.	False	Prostheses will not work, nor will reaching devices. They also can be a hazard if a fire near a hall way elevator control panel generates enough heat to call elevator to that floor.
4.	True	Especially in basement stairs, top and bottom steps should have contrasting strips or color. Be careful of carpeted steps, as the colors or patterns may cause the steps to "blend" away.
5.	False	VERY FEWless than 5%! Blindness usually is acquired in mid or later years. Sensation in fingertips may be decreased, and modern technology (tapes, etc.) are easier to use than learning braille.
6.	True	Padding, pile height and some types of carpet construction may impede wheelchair maneuverability.
7.	True	Persons are sometimes taught to identify facilities by <u>length</u> of word; i.e., Men and Women. Changing the words may reverse the length. Graphics are encouraged also for non-English speaking persons.
8.	False	Not always! The door might be excessively heavy, or might have heavy pressure resistance. Also, the type of hardware can be a factor.
9.	False	The key word here is MANY. <u>Many</u> grab bars might create a hazard!
10.	True	Portable phones are a help. If installed, make sure that they are not wall-hung at a height that would be useless if a person fell.
11.	True	This is a special concern in housing for elderly or persons with disabilities. Reduced sensation in hands or legs may result in burns not immediately felt.
12.	True	They require the most hand and finger dexterity. Lever or loop types are best.
13.	True	Some conflicting studies, but usually is true. The important factor is to have HIGH CONTRAST! Don't get too "cutesy"! Avoid tone on tone.
14.	False	Almost none! Some are beginning to identify on registration board for benefit of emergency personnel (Fire or Police). Some people believe that designated accessible rooms should be only on first or second floors but most guests want options.





The Rehabilitation Act of 1973 Section 504 – Discrimination

The Americans with Disabilities Act of 1990 Title I – Employment Title II – State & Local Government Title III – Public Accommodations

Titles II & III include Transportation Title IV – Telephone Systems

CODE ISSUES

philosophy is that everything is required to be accessible, and if it is not specifically exempted by the code than it shall be accessible.

Site Arrival Conditions

- Accessible Routes Are Required
 - From

 Public transportation stops
 Accessible parking
 - Passenger loading zones

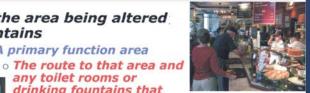


Accessible Entrance



Primary Function Area

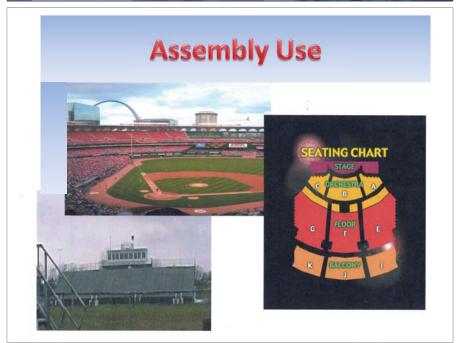
• If the area being altered contains A primary function area











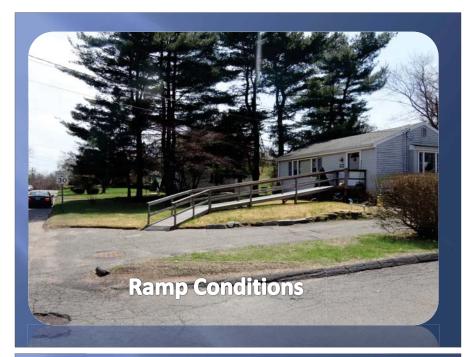


Ramp Access Blended into the Design of the Building



Side Views of Accessible Ramp





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Strip Mall Change of Occupancy Issues



Home Modification Issue: Accessibility for Resident in Wheelchair

ADA REQUIREMENTS

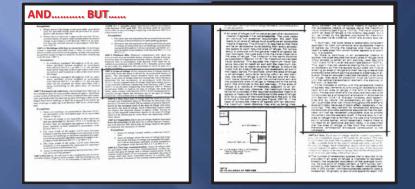
tend to be subjective, with wording such as "when the changes are readily achievable" defined as being "easy to accomplish without much difficulty or expense".

Signage Issue – Confusing Language



Question: Are code requirements definitive?

Example: Look at a specific requirement of the code
- Sentences in the code to state the requirement
- Paragraphs in the commentary to explain the requirement



Federal Legislation & Accessibility

ICC Codes

Other Areas

Coordinating

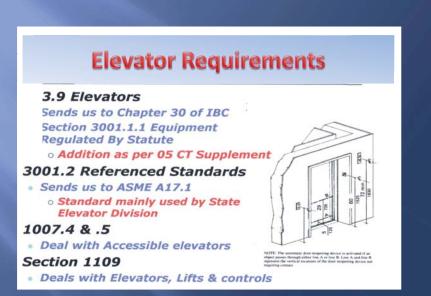
ADA (1990 Americans With Disabilities Act)

FHA (Fair Housing Amendment Act)

For Consideration ???

UFAS (Uniform Federal Accessibility Standards

ADAAG (Americans with Disabilities Act Accessibility Guidelines





Public Accommodations in New Construction "There's an OOPS on the table."



National Fair Housing Advocate Online

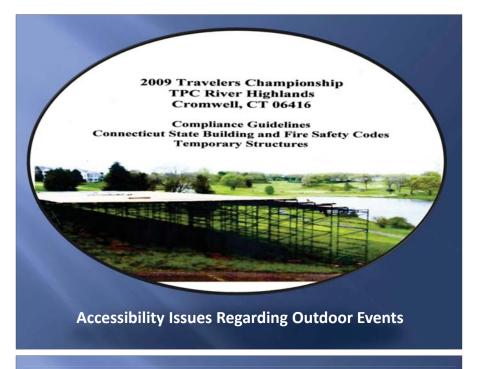
\$600,000 Settlement Ends Discriminatory Policies at Housing Complex for Persons with Disabilities

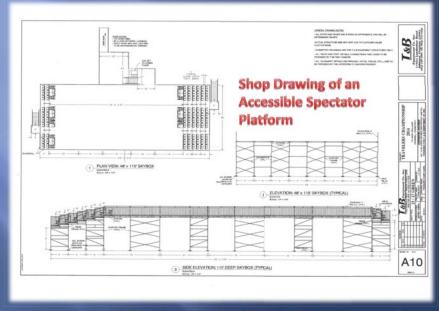
"This is believed to be the largest settlement in a case challenging independent living requirements in Connecticut."

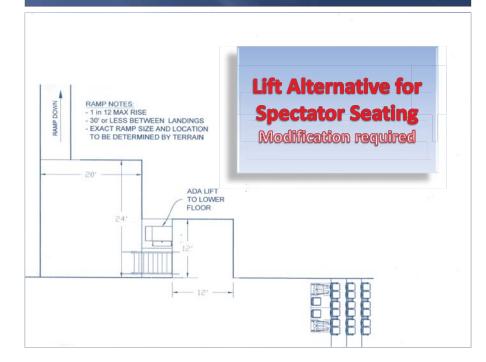
Landmark Agreement with Law School Admission Council

The Justice Department's proposed consent decree will require the Law School Admission Council "to pay \$7.73 million in penalties and damages to compensate for widespread and systematic discrimination in violation of the Americans with Disabilities Act (ADA)".











ISSUE: Typical Platform Tent

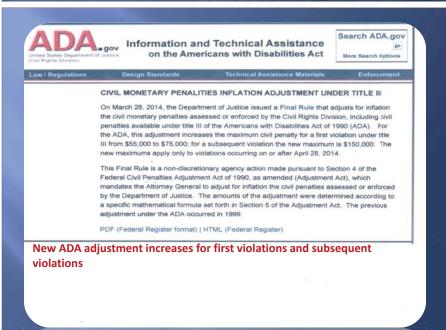








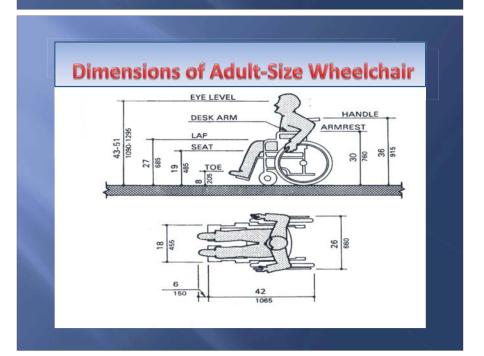
ISSUE: Employee Service Access to Spectator Platform



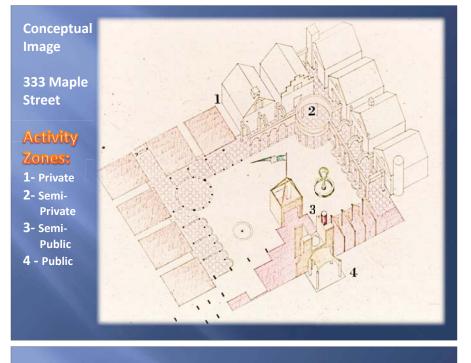
UNIVERSAL DESIGN

is a concept that the design of spaces and products shall be accessible and usable by everyone to the greatest extent possible without a need for special adaptations.



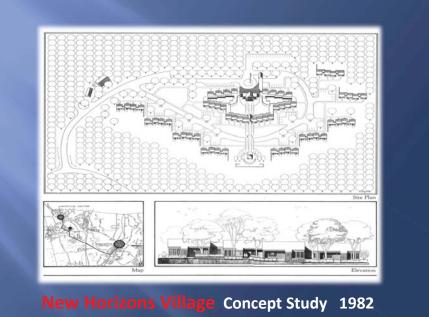




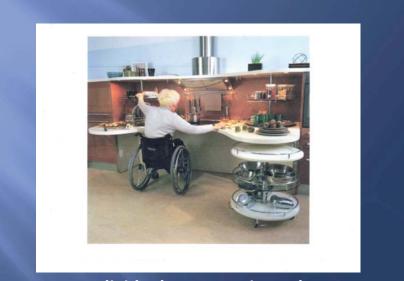




BARC Sketch Study of the Personal Living Center







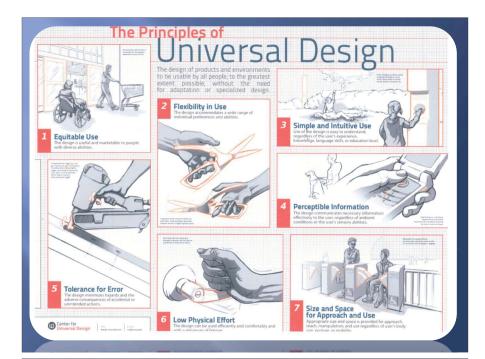
Individual versus Universal



Playscape Design : Toddler Care by Parents in Wheelchairs

Crib Design: Infant Care by Parents in Wheelchairs





Conclusion

The Building Code is binding by law for all towns, cities, boroughs and all state agencies as per provisions of sections 29-252a and 29-253 of the Connecticut General Statutes.

Provisions of ADA are binding by Federal Law.

Standards continue to be updated as the temporary ablebodied are becoming more aware of the need for Universal Design.

Stay tuned for Future Developments.

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