

# COMMERCIAL BUILDING CODE UPDATE 2010

Southwestern Wisconsin Building  
Inspectors Association  
18 March, 2010

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# What's this Session About?

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- **What's on the horizon for S&B and the Wisconsin Commercial Building Code [WCBC]**
  - **Contractor Registration Rules, Carbon Monoxide Rules, No Smoking Rules & Upcoming WCBC changes [2009 edition of I-Codes].**
- **Accessibility provisions in existing buildings, including multifamily housing.**

***Contractor  
Registration  
Update***

# Cont. Registration - History

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- **Contractor “Registration”**
- **Public Hearings were held on January 21, 2009**
- **Emergency rules in effect March 2, 2009**
- **Final Rules effective October 1, 2009**

# Cont. Registration - New

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- **New Rules coming to reflect changes within Wisconsin Act 28.**
- **Broadened to incl. add'l trades covered by our codes incl. those that construct, install or alter Mech. Equip.' & devices like Boilers, Gas Syst's, Piping, Mech. Refrig'n. Syst's serving a Bldg. or Structure, and permanent devices or struct's covered by the amusement rides code and the sanitation code.**

# **Cont. Registration – New (cont)**

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- **Will create admin. procedures and a forfeiture process for those doing construction- or installation-related work without a registration.**
- **Will consolidate two types of weld tester certifications into one.**
- **Public Hearings planned for May**

***Carbon Monoxide***

***Detectors/Alarms***

# Carbon Monoxide Detectors

- **History**

- **Emergency Rules issued on 9/3/2008 as a result of Legislation**
- **Normal Rules followed 6/1/2009**
- **Modifications to be within fire package as a result of public hearing comments (PH 12/18/09)**

# CO Det. Req's. – Helpful Tool

<http://commerce.wi.gov/SBdocs/SB-FireProtecCarbMono0908.pdf>

Address: <http://commerce.wi.gov/SBdocs/SB-FireProtecCarbMono0908.pdf>

Carbon monoxide poisoning endangers lives.

Local municipal building officials are the best source of information concerning carbon monoxide alarms in new construction.

In the future, fire department inspectors will be checking the installation of CO alarms during annual fire safety inspections.

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need materials in an alternate format, please contact the department at 608-266-3151 or TDD Relay dial 711 in Wisconsin, 800-947-3159 outside.

**Statutory Installation Requirements in 2007 Wisconsin Act 205**

(2) **INSTALLATION REQUIREMENTS.** (a) Except as provided in par. (b), the owner of a residential building shall install a carbon monoxide detector in all of the following places not later than the date specified under par. (c):

1. In the basement of the building if the basement has a fuel-burning appliance.
2. Within 15 feet of each sleeping area of a unit that has a fuel-burning appliance.
3. Within 15 feet of each sleeping area of a unit that is immediately adjacent to a unit that has a fuel-burning appliance.
4. In each room that has a fuel-burning appliance and that is not used as a sleeping area. A carbon monoxide detector shall be installed under this subdivision not more than 75 feet from the fuel-burning appliance.
5. In each hallway leading from a unit that has a fuel-burning appliance, in a location that is within 75 feet from the unit, except that, if there is no electrical outlet within this distance, the owner shall place the carbon monoxide detector at the closest available electrical outlet in the hallway.
6. If a unit is not part of a multifamily building, the owner of the residential building need not install more than one carbon monoxide detector in the unit.

Find this carbon monoxide brochure online: <http://commerce.wi.gov/SB/SB-PubCarbMonoBroch1008.pdf>

S&B also has a "Making Wisconsin Nights Safer" smoke detector brochure online: <http://commerce.wi.gov/SBdocs/SB-SmokeAlarmBroch8262.pdf>

http://commerce.wi.gov/2007PHCCarbonMono0908.pdf  
Safety and Buildings Division  
commerce.wi.gov  
Department of Commerce

Address: <http://commerce.wi.gov/SBdocs/SB-FireProtecCarbMono0908.pdf>

Carbon monoxide is dangerous!

Carbon monoxide (CO) is a colorless, odorless gas produced by incompletely burning fuel containing carbon. Carbon monoxide poisoning can cause brain damage and death. You can't see it, smell it, or taste it, but carbon monoxide can kill. CO can be formed, for example, by open flames, or fuel-burning space heaters, water heaters, furnaces, boilers, and clothes dryers.

- Carbon monoxide is the leading cause of accidental poisoning deaths in the United States. The federal Centers for Disease Control estimates CO poisoning annually claims nearly 500 lives, and causes more than 15,000 visits to hospital emergency rooms.
- Carbon monoxide is produced by common household fuel-burning appliances. When not properly vented, carbon monoxide from these appliances can build up in a room or building, displacing oxygen.
- Early symptoms of carbon monoxide poisoning such as headaches, nausea, and fatigue, are often mistaken for something other than CO because the deadly gas goes undetected as it builds up in a building. Prolonged exposure can lead to brain damage and death.

What is a carbon monoxide alarm?

A carbon monoxide alarm is a device that will detect the presence of carbon monoxide (CO) and create a noise which gives people in the area a chance to safely leave the building. CO alarms by themselves are not smoke detectors and vice versa. However, there are combination smoke/CO alarms. CO alarms are usually plugged into wall electrical outlet or wired directly into a building's electrical system.

Carbon monoxide alarms must be installed in most new commercial - residential construction in Wisconsin as of October 1, 2008, and in most existing commercial - residential buildings by 2010.

Beginning October 1, 2008, carbon monoxide (CO) alarms must be installed in new construction in Wisconsin of "commercial" residential buildings which have fuel-burning appliances.

Most one- and two-family dwellings are not included in the regulations, although installing CO alarms in those homes is a good idea.

"The residential types included in the new regulations are tourist rooming houses (cabins), bed and breakfast establishments, and any public building used for sleeping or lodging, such as hotels, motels, condominiums, apartment buildings, dormitories, fraternities, sororities, convales, sanitariums, and community-based residential facilities. Hospitals and nursing homes are not included.

Requirements for new commercial - residential buildings:

- Carbon monoxide alarms must be continuously powered by the building's electrical service with battery backup.

Requirements for new commercial - residential buildings: as of October 1, 2008:

- Installation of carbon monoxide alarms where any type of fuel burning appliances are installed.
- The carbon monoxide alarms must be continuously powered by the building's electrical service with battery backup.

Requirements for new commercial - residential buildings: as of October 1, 2008 (Commercial Building Code, Comm 62.1200):

- Installation of carbon monoxide alarms by April 1, 2010.
- No mandatory type of power sources for the carbon monoxide alarms, thereby allowing batteries, electrical outlet plug-ins, or wiring directly to the building's electrical service.
- Omission of carbon monoxide alarms is allowed provided there are no attached garages and all of the fuel burning appliances are of sealed combustion type either under warranty or annually inspected for carbon monoxide emissions.

What are the new requirements in Wisconsin for carbon monoxide alarms?

The new regulations were issued as emergency rules by the state Department of Commerce, Safety and Buildings Division, as required by April 2008 legislation titled "2007 Wisconsin Act 205".

See the emergency rules for current technical aspects of alarm locations, etc. <http://commerce.wi.gov/SBdocs/SB-CodeDev2162Emerg0908.pdf>

Requirements for new tourist rooming houses (cabins under the scope of Wisconsin's Uniform Dwelling Code, Comm 21.095) as of October 1, 2008:

- Installation of carbon monoxide alarms where any type of fuel burning appliances are installed.
- The carbon monoxide alarms must be continuously powered by the building's electrical service with battery backup.

Requirements for new commercial - residential buildings: as of October 1, 2008 (Act 205 itself, not the emergency rules, puts in place these requirements for existing tourist rooming houses):

- Installation of carbon monoxide alarms by April 1, 2010.
- No mandatory type of power sources for the carbon monoxide alarms, thereby allowing batteries, electrical outlet plug-ins, or wiring directly to the building's electrical service.
- Omission of carbon monoxide alarms is allowed provided there are no attached garages and all of the fuel burning appliances are of sealed combustion type either under warranty or annually inspected for carbon monoxide emissions.

Design, Build, and Maintain Safety!

# ***Energy Use and Green Codes***

# Energy Legislation & WCBC

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- **Current Legislation – SB 450**
  - **Voluntary/Alternative Green Code**
  - **Staying current with IECC**
  - **DOA to use the “Voluntary Code” for many State owned buildings.**

# Energy/WCBC – SB 450 (cont)

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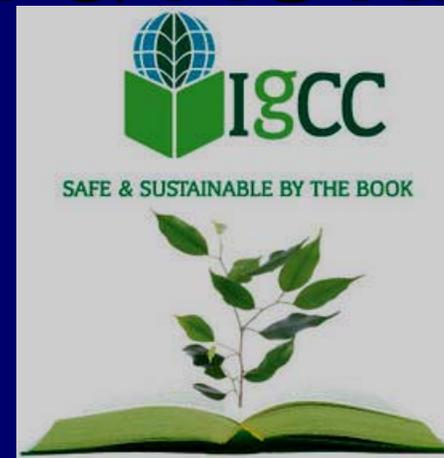
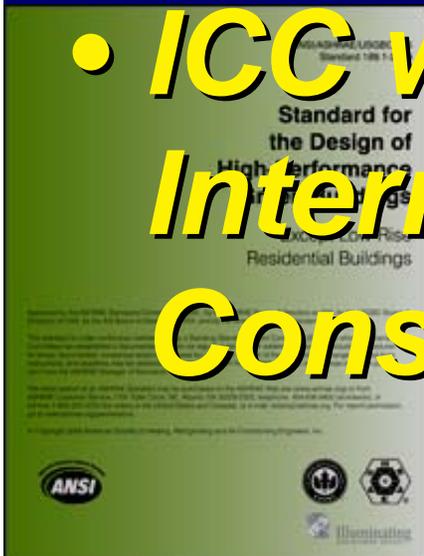
- **Voluntary/Alternative Green Code**
  - **ICC & ASHRAE already have Green Codes available for use or are well along in the development process**



# Energy/WCBC – SB 450 (cont)

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- **ASHRAE with USGBC & IES, *Standard 189.1-2009, Standard for the Design of High-Performance Green Buildings***
- **ICC with CBSC, AIA & ASTM, *International Green Construction Code***



**No Smoking**

**Rules**

# No Smoking

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- **Legislation - Act 12**
- **No Smoking as of July 1, 2010**
- **Rules add a def. on “Enclosed Indoor Area” to clarify the intent linked to the use of enclosed space and substantial wall in the Law.**
- **Public Hearings April 6, 2010**

# *Updating the WCB C*

# Significant Changes - 2009

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- For this presentation, the focus will be on those changes that are newly added provisions.
- Segments broken down by WCBC Chapter & the related model code
- Within each segment, start with the model code changes and finish with Wisconsinisms.

# WI Comm. Bldg. Code - Future

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- Most recent joint meeting of CBCC & MDCC on Thursday 3/11/2010
- Updated Specialty Advisory Council Timeline

•Existing Bldgs [IEBC]	•Means of Egress
•Structural	•Fire Safety
•Fire Prot. Systems	•General
•Energy [IECC]	•HVAC [IMC & IFGC]

**WCBC SPECIALTY SUBJECT  
[ICC Codes - 2009 Editions]  
Advisory Council Meetings**

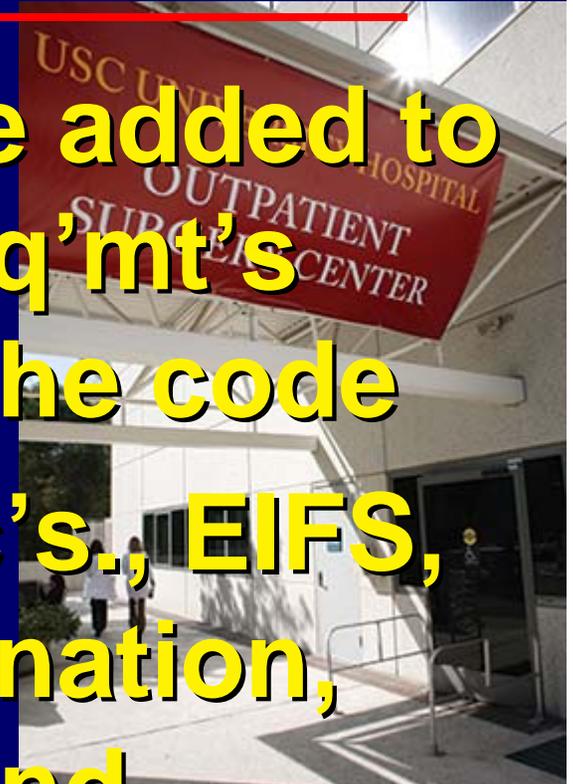
Date	IEBC	Egress	Struct.	Fire Prot. Systems	Fire Safety	General	Energy (IECC)	HVAC (IMC & IFGC)
Feb 2009								
Mar 2009								
April 2009		X (4/29)		X (4/21)		X (4/16)		
May 2009					X (5/28)			
June 2009		X (6/24)						
July 2009				X (7/21)		X (7/28)		
Aug 2009	X (8/18)		X (8/5)		X (8/26)		X (8/11)	X
Sept 2009			X (9/16)					X (9/24)
Oct 2009	X (10/27)		X (10/30)(				X (10/6 & 10/28)	
Nov 2009		UMB (11/19)		UMB (11/19)		UMB (11/19)		X (11/12)
Dec 2009								X (12/17)
Jan 2010	UMB (1/21)		UMB (1/21)		UMB (1/21)			
Feb 2010								
Mar 2010							UMB (3/11)	UMB (3/11)
April 2010								
May 2010	PUBLIC HEARINGS (End of May or early June)							
June 2010								
July 2010								
Aug 2010	Must be submitted to Legislature before Sept 1, 2010							

***The IBC***

# IBC Significant Changes

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- A few definitions were added to correspond to new req't's sprinkled throughout the code
- Amb. Health Care Fac's., EIFS, Labeled, Mfg's Designation, Mark, Storm Shelter and Vehicular Gate



# IBC Changes (cont)

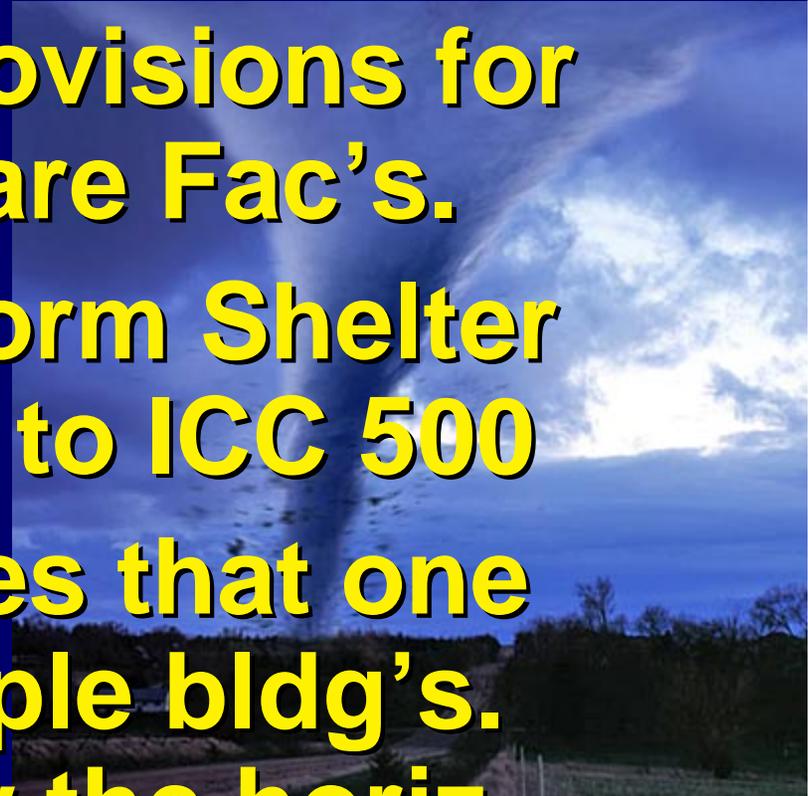
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- **Chapter 3 includes a few definitions and provisions that relate to uses more heavily regulated elsewhere in the code**
- **Clinic-Outpatient, Live/Work Units, Nursing Homes, Hospitals And Mental Hospitals, Detox. Facilities, EIFS, Labeled, Mfg's Designation, Mark, Storm Shelter & Vehicular Gate**

# IBC Significant Changes

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- s. 422 Adds Provisions for Amb. Health Care Fac's.
- s. 423 Adds Storm Shelter provisions & ref. to ICC 500
- S. 509.9 Clarifies that one can have multiple bldg's. above or below the horiz. sep'n of ss. 509.2, 509.3 & 509.8



# IBC Changes (cont.)

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- **ss. 708.14.2.2 and 708.14.2.7 thru 708.14.2.10 Adds Provisos for elev. hoistway pressuriz'n incl. Rational Analysis, I.D.ing, Ctrl. Diag's, & Sys. Response Time.**
- **s. 716.5.6 Adds rqmt's for HVAC duct or grille open'gs in exterior walls.**



# IBC Changes (cont.)

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- **s. 913.2.1 Adds Provisos for the protection [fire-res. Rating or distance] of rooms housing fire pumps**
- **ss. 1008.1.9.6, 1008.1.9.8 & 1008.1.9.9 add new locking provisions (I-2, Electromag. Fail Safe & I-3)**



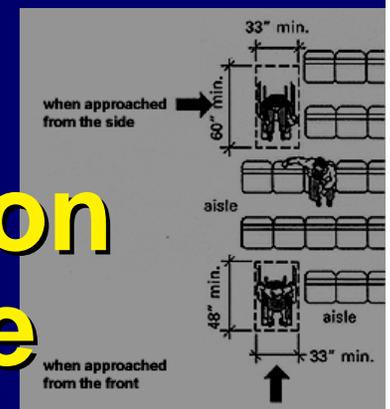
# IBC Changes (cont.)

- s. 1009.14 Adds Provisos for a stairway to access a penthouse if maint. is req'd from rooftop
- ss. 1012.3, 1012.3.1 & 1012.3.2 adds provisions for Type I & Type II handrails.



# IBC Changes (cont.)

- s. 1013.1.1 is added to include requirements for glazing used as a guard.
- s. 1103.2.13 adds provisions to clarify usability for live/work units evaluated separately
- s. 1108.2.3 req's a companion seat at ea. wheelchair space



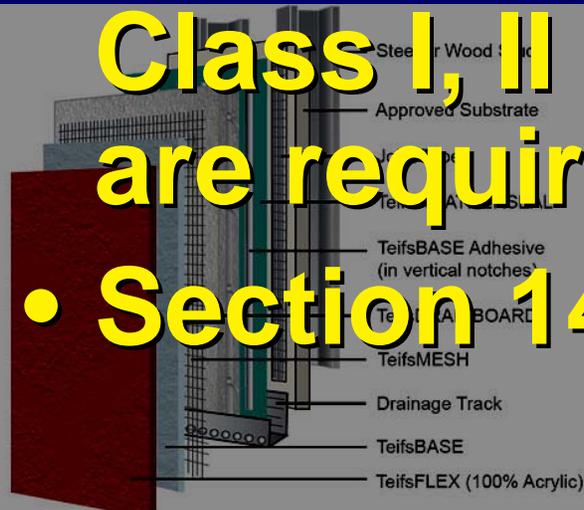
# IBC Changes (cont.)

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- s. 1109.2.3 requires a lav. with enhanced reach ranges in toilet rooms having 6 or more lav's
- s. 1405.3 (1405.3.1 – 1405.3.2) includes provisions for where

**Class I, II & III vapor retarders are required**

- **Section 1408 added for EIFS**



## IBC Changes (cont.)

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- s. 1503.4.1 & 1503.4.2 add more reqmt's for secondary drainage and scuppers
- s. 1507.16 adds provisos for roof gardens & landscaping
- s. 1509.2.2 clarifies that penthouses do not add area, stories and are not fire area



# IBC Changes (cont.)

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- s. 1609.1.2.2 adds clarified impact standards for garage door openings
- s. 1609.6 adds a simplified analytical wind load method from ASCE 7
- Fig. 1611.1 provides intensity for computing rain load on roofs



# IBC Changes (cont.)

- **s. 1614.1 – 1614.4 Adds reqmt's and definitions for:**
  - **Struct. Integrity of high-rise bldgs of Occy Cat. III or IV**
  - **Concrete frame & steel frame structures**
  - **Structural integrity & reqmt's for bearing wall structures**



# IBC Changes (cont.)

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- **s. 1810.3.1.2 provides guidance on the design of composite elements**
- **s. 1810.3.1.5 provides guidance on the design of helical piles**
- **s. 1810.3.9.2 specifies when cast-in-place conc. elements must be reinforced**

# IBC Changes (cont.)

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- s. 1810.4.11 provides guidance on the installation of helical piles
- s. 1904.2 describes exposure categories that are used to assign exp. classes in ACI 318
- s. 1908.10 provides direction on determin'g conc. breakout strength of anchors



# IBC Changes (cont.)

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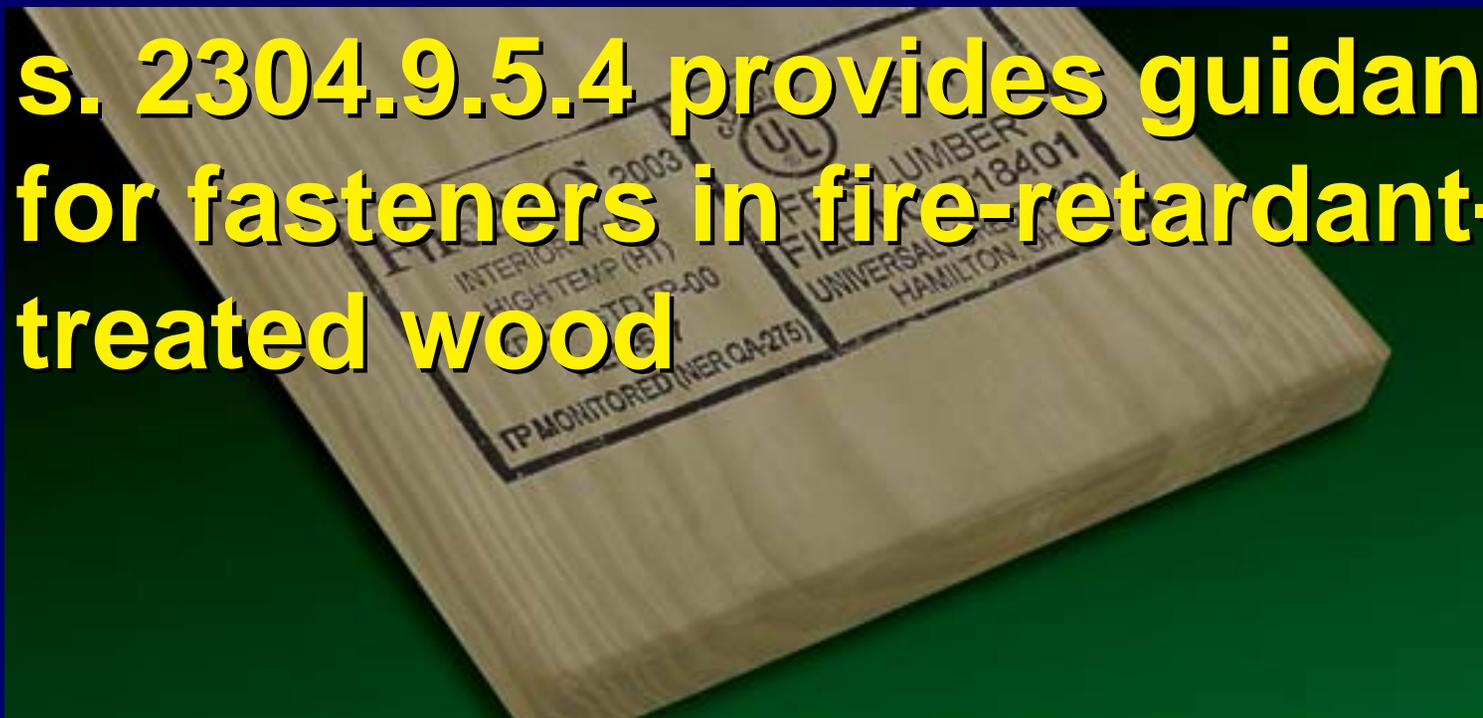
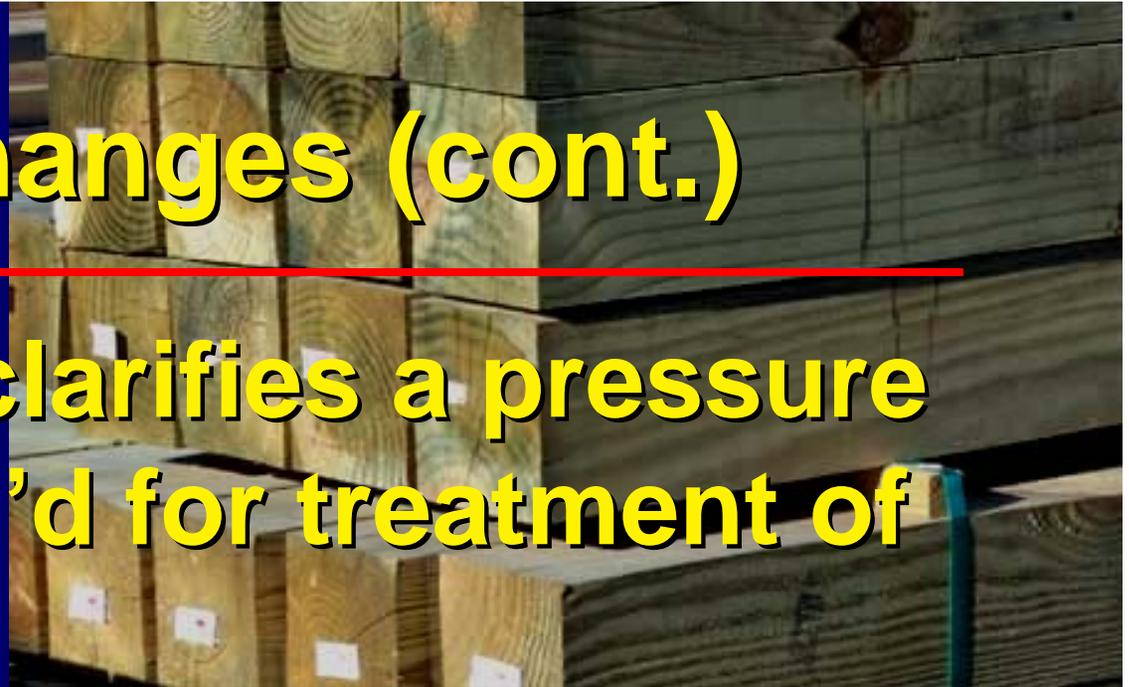
- s. 2209.2.2 provides a referenced standard for noncomposite steel floor decks
- s. 2209.2.3 provides a referenced standard for steel roof decks
- s. 2210.5 provides a referenced standard for cold-formed steel floors & roofs



## IBC Changes (cont.)

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- s. 2303.2.1 clarifies a pressure process req'd for treatment of wood
- s. 2304.9.5.4 provides guidance for fasteners in fire-retardant-treated wood



# IBC Changes (cont.)

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- **s. 2406.2 provides impact test requirements for glazing in hazardous locations incl. new Table 2406.2(2)**
- **ss. 2612 & 2613 added to regulate Fiber Reinforced Polymer & Fiberglass Reinf'd Polymer and Reflective Plastic Core Insul'n**

# IBC Changes (cont.)

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- s. 3008 added to recognize occupant evacuation elevators as alternative exit to 3<sup>rd</sup> stair in hig-rises over 420' in height

- s. 3110 added to better regulate Automatic Vehicular Gates



# IBC Proposed Wisconsinisms

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- Will modify occupancy provisions of Ch 3 [ss. 308.1, 308.2 & IMC Ch 4] to clarify how licensed health care uses of other State agencies correlate to the WCBC (i.e. informational notes, etc.)



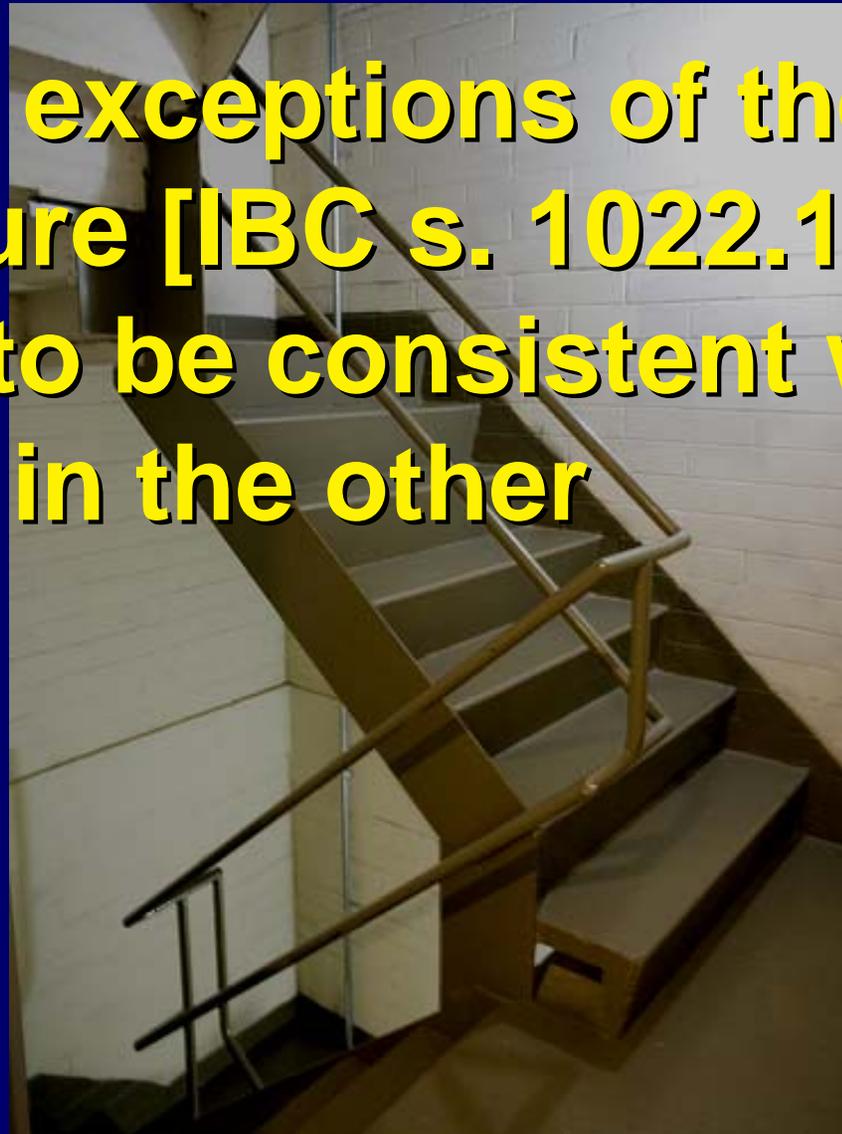
# IBC Wisconsinisms (cont)

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- Will modify to make firewalls or division walls in [IBC s. 1014] townhouses less restrictive yet still keeping the townhouse exempt from sprinkler protection

# IBC Wisconsinisms (cont)

- Modify new exceptions of the exit enclosure [IBC s. 1022.1] provisions to be consistent with terms used in the other exceptions



# IBC Wisconsinisms (cont)

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- Will add language to allow controls in tubs and showers within reach from outside the tub or shower; allow the controls to be on the back wall for roll-in, 60-inch showers [IBC s. 1109.1]

JAN 10 2008

# IBC Wisconsinisms (cont)

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- **Modify Ch 11 [IBC s. 1110.1] so that the required international symbol signage is not needed for assigned parking serving a residential apartment building**



# IBC Wisconsinisms (cont)

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- Add a rule [IBC Ch 29] prohibit'g the installation of drinking fountains, water coolers and bottled water dispensers in public restrooms
- Will add back in “Stretcher Size” elevators (3500#) in more buildings [IBC Ch 30]



***THE LEGO***

# IECC Significant Changes

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- **s. 303.1.4 Provides ref. to specific standards for R-Value insulation product ratings**
- **s. 402.4.2 adds detail on tightness of buildings (air barriers)**

- **s. 402.4.3 requires woodburning fireplaces to have gasketed doors and comb. Air from outside**



# IECC Changes (cont)

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- **s. 403.8 adds provisions for control of snow/ice-melting systs**
- **s. 403.9 adds provisos for control of pool pumps and heaters**
- **s. 502.1.2 adds U-factor and R-value alternatives for comm. use insul'n & fenestration reqmt's**

# IECC Changes (cont)

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- **s. 502.5.1 adds more specific reqmt's on daylighting control schemes**
- **S. 503.2.5.1 adds provisos for a demand controlled ventilation strategy for some spaces >500 SF**

# IECC Changes (cont)

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- s. 503.2.10 adds new reqmt's for HVAC syst's (fan motor energy use, etc.)
- s. 503.2.11 requires heating of outside spaces to be radiant type and provided with effic'y controls



# IECC Proposed Wisconsinisms

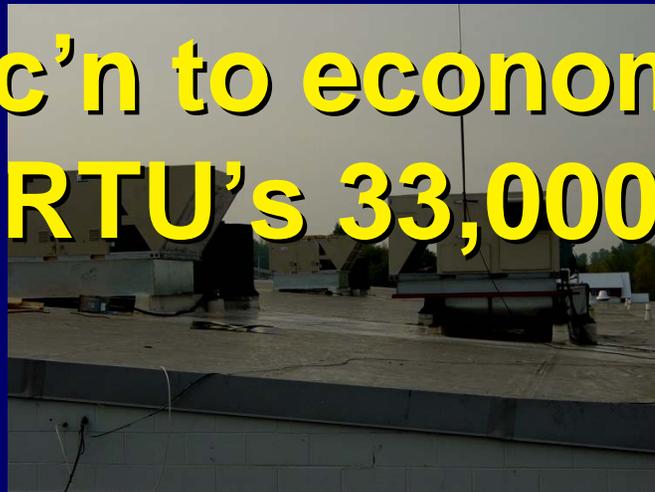
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- **May augment the provisions associated with the definition of conditioned space used throughout the IECC**

# IECC Wisconsinisms (cont)

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- Add an exc'n so no motorized damper is needed in a duct serving a commercial kitchen Type I hood [Grease reduction type hood - 503.2.4.4 & 502.4.5]
- Add an exc'n to economizers for packaged RTU's 33,000 BTU/hr and larger



# IECC Wisconsinisms (cont)

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- Will add modification to clarify [s. 504.3.3.2.2] the economizer for hydronic heat pump systems is not required for a closed circuit cooling tower (aka fluid cooler)



***The IMC***

# IMC Significant Changes

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- **s 504.6.3 added to require transition ducts listed/labeled to UL2158A**
- **T-504.6.4.1 added for duct fitting equiv. lengths to correspond to increase in clothes dryer duct length from 25 to 35 ft.**

# IMC Changes (cont)

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- s. 504.6.7 adds protect'n against dryer exhaust duct penetrations by nails/screws
- s. 504.8 adds prescriptive reqmt's for clothes dryers being exhausted through common shafts in multistory app's



Dangerous Lint Lined Dryer Duct

# IMC Changes (cont)

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- s. 505.2 adds that make-up air to be provided for domestic kitchen exh. Hoods >400 cfm and tied in to operation of hood
- 506.4.2 adds location reqmt's for Type II hood terminations



# IMC Changes (cont)

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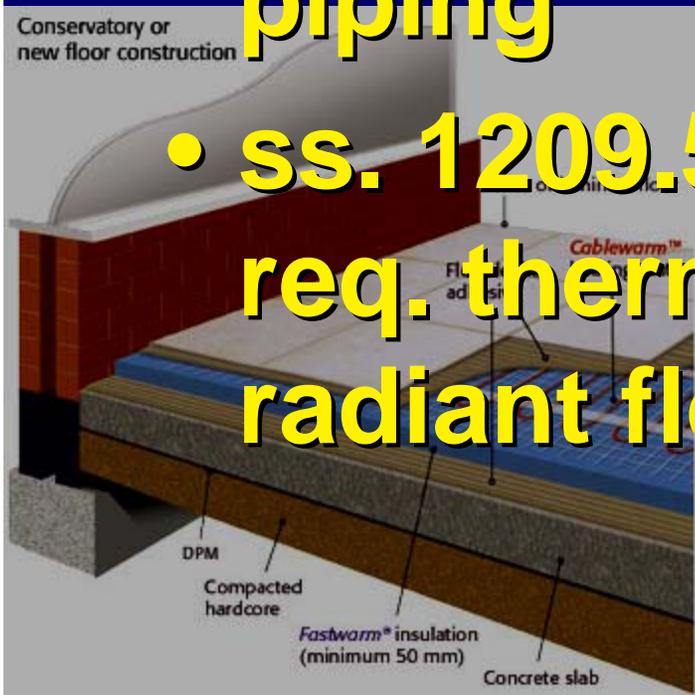
- **ss. 927.1 & 927.2 added to provide ref'd standards for heat recovery ventilators**
- **s. 1101.10 added to require lock'g access ports to outside refrig'n systems**
- **s. 1201.3 adds ASME B31.9 as an alternative to ss. 1202 & 1203**



# IMC Changes (cont)

- ss. 1203.16, 1203.17, 1203.18 & 1203.19 added to reg. new materials accepted for hydronic piping

- ss. 1209.5 - 1209.5.4 added to req. thermal insul'n below radiant floor heating syst's



# IMC Proposed Wisconsinisms

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- **Adding provisions to make Table Comm 64.0403 an alternative to Table 403 instead of a substitute**

# *The IFAG*

# IFGC Significant Changes

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- **s. 305.3.1 allows appliances to not be elevated when in a properly isolated separate room**
- **ss. 305.9, 305.10 & 305.11 adds expanded provisions for appliances in parking struct's, rep. garages & hangars**

# IFGC Changes (cont)

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- s. 305.12 adds reqm't to assure piping installations will not put strain on connections
- s. 310.1.1 adds bond'g/grnd'g provisos specific to Corrugated Stainless Steel Tubing (CSST)
- s. 404.4 prohibits gas piping from entering/exit'g bldg below grade



# IFGC Changes (cont)

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- s. 404.8 adds provision requir'g LP-Gas piping to be electrically isolated (dielectric fitt'g) where the underground piping enters the building
- s. 409.6 adds reqm't for emerg'y shutoff (master) upstream of table top type gas outlets in labs



# IFGC Changes (cont)

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- **s. 503.4.1.1 adds reqm't specific to the installation of plastic pipe vent'g Cat. III or IV appliances**
- **s. 503.6.13 adds prohibition on screws/rivets penetrating the inner wall of dbl-wall gas vents except at connection to appliance or a single wall connector**

# IFGC Changes (cont)

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- s. 503.10.4.1 adds restrictions where multiple appliances connect to a single vent/flue
- s. 503.16 req's sealing of vents penetrating exterior walls
- s. 614.6.3 req's clothes dryer exhaust ducts to be protected from penet'n by nails/screws



# IFGC Changes (cont)

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- s. 616.2 prohibit rigid gas connections to equipmn't powered by internal combustion engines
- s. 623.7 specifies min vertical clearances between cooktops and comb. materials or cabinets above



# IFGC Proposed Wisconsinisms

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- **NONE**

# *The IEBG*

# IEBC Significant Changes

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- **s. 101.5.4 adds reqmt's that in given situations some existing bldg's will have to be evaluated for seismic adequacy**
  - **Allows alternative procedures found in ASCE 31 or ASCE 41 [ASCE 41 is a standardized version of *FEMA 356 Prestandard & Commentary for the Seismic Rehabilitation of Buildings*]**

# IEBC Changes (cont)

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- s. 605.1.9 added reqm't that visible alarms are req'd when >20 R-2 units are being altered, & the number is to be based on the number being altered
- s. 606.2.1 indicates when (Seis Des Cat E, F & G) wall anchorage must be added at the roof line as reroofing occurs



# IEBC Changes (cont)

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- s. 706.4 adds reqm't that Class A units and visible alarms are req'd when  $>20$  R-2 units are being added into a building, and the number of each is to be based on the number of units being “added”



# IEBC Changes (cont)

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- s. 706.5 adds similar reqm't to that of s. 706.4, but when 4 or more I-1, I-2, R-1, R-2, R-3 or R-4 units are being added, the Class B provisos of IBC s. 1107 & visible alarm provisos of IBC s. 907 will apply, but only to the units being added

# IEBC Changes (cont)

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- **s. 912.8.1 clarifies that when undergoing a partial change of occupancy, accessibility will be driven by the alteration provisos found in ss. 605 or 706**

# IEBC Proposed Wisconsinisms

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- Proposing to add a reqm't that existing smoke detectors in Residential occupancies be replaced by “wired” smoke detectors if not alternatively provided with 10-year lithium battery



# IEBC Wisconsinisms (cont)

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- Proposing to add references to the reroofing provisions that are currently only found in IBC Section 1510



***Dwelling Units***

***&***

***Accessibility***

# LEVELS OF ACCESSIBILITY

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## Accessible Units

- Complete Usability to individuals in a wheel chair



## Type A Units

- Usable to individual in a wheel chair when modified

## Type B Units

- Minimal Usability



# **ICC/ANSI A117.1 Chs 1-9**

## **ACCESSIBLE DWELLING UNITS**

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- **Accessible units**
  - **ICC/ANSI A117.1 Chapters 1 to 9**
  - **Designs must provide for accessibility from the date of occupancy**

# ACCESSIBLE UNITS FOR “RESIDENTIAL” USE GROUPS

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Group I-1 – 4% with at least one (Others Type B)

Group I-2 Nursing Homes – 50 % (Others Type B)

Group I-2 Hospital - 10 % (Remainder Type B)

Group I-2 Rehab Facilities - 100 %

Group I-3 - 5%

Group R-1 – See Table 1107.6.1.1 (Others Type B)

Group R-2 other than Apt’s, Monasteries and  
Convents - See Table 1107.6.1.1 (Others Type B)

Group R-4 – At least one (Others Type B)

- *Refer to IBC s. 1107.7 for General Exceptions when allowed*

# ICC/ANSI A117.1 Chapter 10 TYPE A UNITS – Section 1002

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**Type A dwelling and sleeping units**

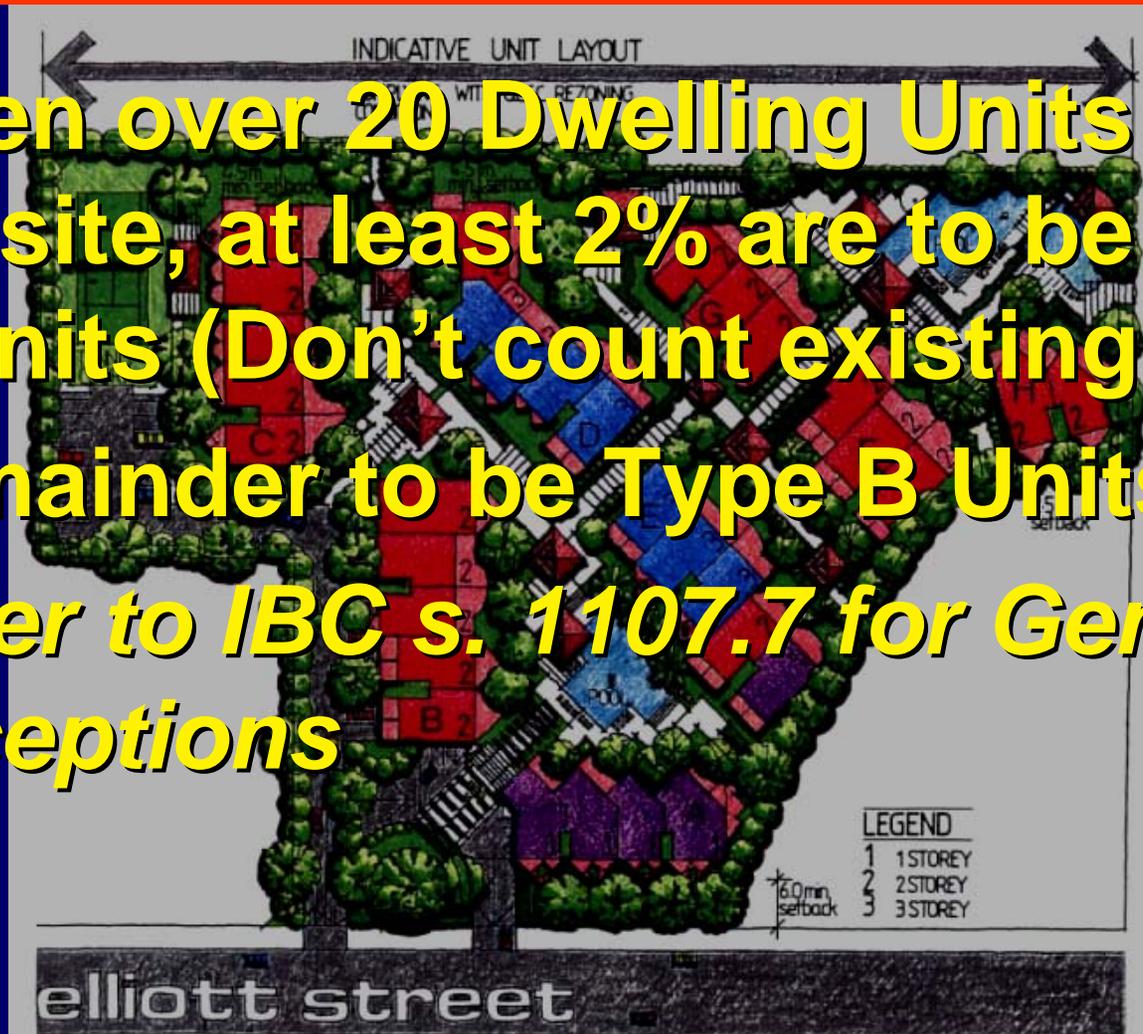
– ICC/ANSI A117.1 Chapter 10  
(Section 1002)

– When modified will provide  
accessibility



# R-2 Apartment Bldgs., Monastaries & Convents

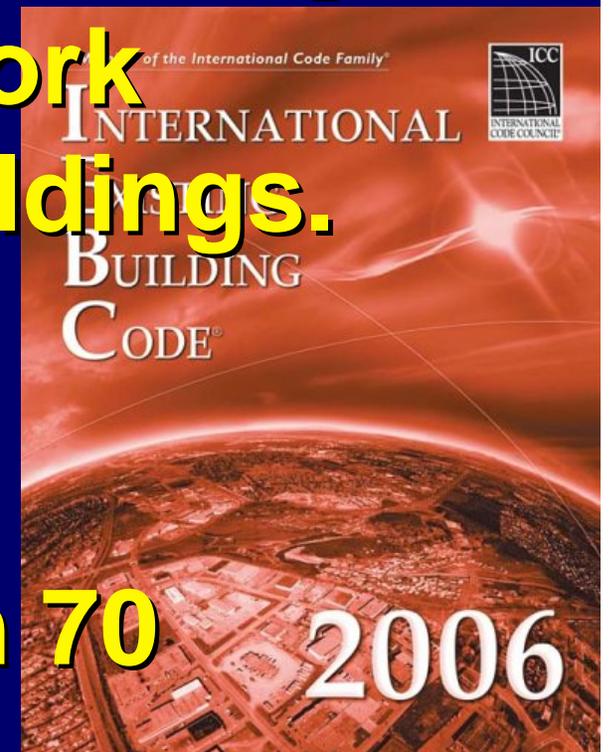
- When over 20 Dwelling Units are on the site, at least 2% are to be Type A Units (Don't count existing Units)
- Remainder to be Type B Units
- Refer to IBC s. 1107.7 for General Exceptions



**Existing  
Commercial  
Buildings  
Accessibility**

# The Exist'g. Bldg. part of WCBC – USE IEBC

- The IEBC [Comm Chapter 66] must be used for all work relating to existing buildings.
- IBC Ch 34 is dropped.
- Dropped the Historic Buildings code, Comm 70



# What's in the "latest" WCBC

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Soil Erosion

Ch. Comm 60

Administration

Ch. Comm 61

Building

Ch. Comm 62

Energy

Ch. Comm 63

Mechanical

Ch. Comm 64

~~Fuel Gas~~

~~Ch. Comm 65~~

Existing Building

Ch. Comm 66

# WCBC/Exist'g Bldg. [IEBC] (cont.)

---

- Ch 2 – Definitions (W)
- ~~Ch 3 – Presc. Compl. Methods (W)~~
- Ch 4 – Classification of Work
- Ch 5 – Repairs (W)
- CH 6, 7 & 8 – Altn's (Lev 1, 2 & 3) (W)
- CH 9 – Change of Occupancy (W)

# **WCBC/Exist'g Bldg. [IEBC] (cont.)**

---

- **Ch 10 – Additions**
- **Ch 11 – Historic Buildings (W)**
- **Ch 12 – Relocated/Moved Bldgs**
- **Ch 13 – Perf. Compl. Methods (W)**
- **CH 14 – Construction Safegaurds**
- **CH 15 – Referenced Standards**

# IEBC Wisconsinisms CH 1

## Note on State Fair Housing Law

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- **Note: The requirements of s. 101.132, Stats., may be more restrictive than the administrative rules when a project involves the remodeling of housing. The term "remodeled" has the meaning given in s. 101.132 (1) (h), Stats., and the term "housing" has the meaning given in s. 106.50 (1) (L), Stats.**

# **IEBC Wisconsinisms CH 1**

## **State Fair Housing Law Scenarios**

---

- **Section 101.132 Stats., incl's 4 basic reqmt's for housing:**



- 1. An accessible entrance**
- 2. Accessible public/common use areas**
- 3. Accessible doors & int. passage**
- 4. Accessible features like controls, grab bar reinf. & lever door handles**

# **IEBC Wisconsinisms CH 1 State Fair Housing Law and Remodeling**

---

- **Section 101.132 (2) (b), Stats., provides requirements for 3 different remodeling scenarios based on the percentage of the floor areas being physically altered**

# Fair Housing Law

## Remodeling Scenario 1

---

- **1. If more than 50% of the interior square footage of any housing with 3 or more dwelling units (D.U.'s) is to be remodeled, the entire housing shall conform to the standards in par. (a), regardless of when first intended for occupancy.**

# Fair Housing Law

## Remodeling Scenario 2

---

- **2. If 25% to 50% of the interior square footage of any housing with three or more (D.U.'s) is to be remodeled, that part of the housing that is to be remodeled shall conform to the standards in par. (a), regardless of when first intended for occupancy.**

# Fair Housing Law

## Remodeling Scenario 3

---

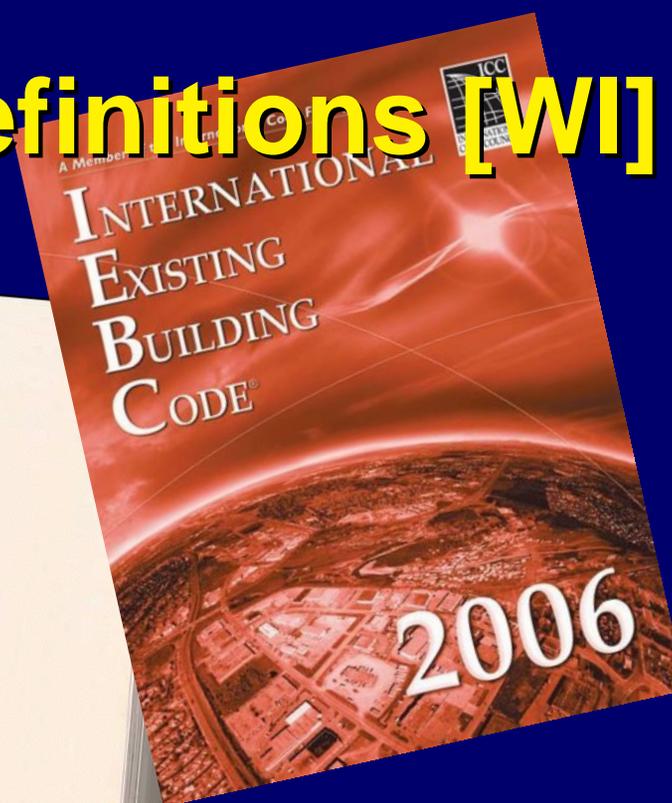
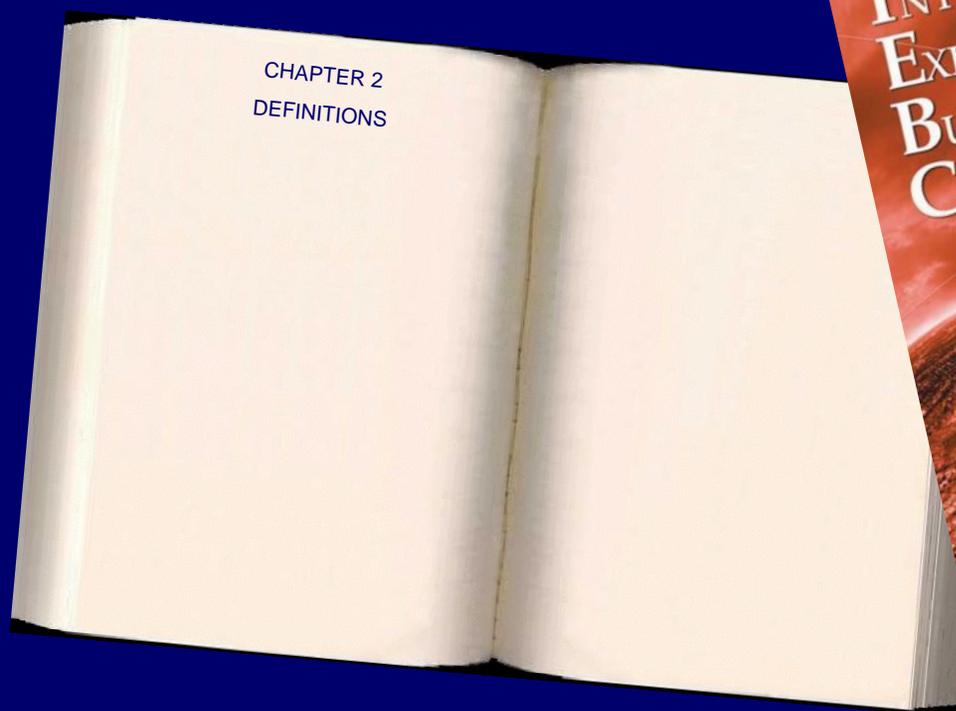
- **3. If less than 25% of the int. square footage of any housing with three or more D.U.'s is to be remodeled, the remodeling is not subject to the standards in par. (a) unless the alt'n involves work on doors, entrances, exits or toilet rooms, in which case the doors, entrances, exits or toilet rooms shall conform to the standards in par. (a) regardless of when first intended for occupancy.**

# IEBC Ch 2 – Definitions

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**201 – General**

**202 – General Definitions [W1]**



# IEBC Ch 2 Definitions

---

**Chapter 2 includes 21 definitions, but several are more significant than others**

- **Change of Occupancy . . .**
- **Primary Function . . .**
- **Technically Infeasible . . .**
- **Work Area . . .**

# Def. – Change of Occupancy

---

**CHANGE OF OCCUPANCY. A change in the purpose or level of activity within a building that involves a change in application of the requirements of this code.**

# Def. – Primary Function

---

**PRIMARY FUNCTION.** A primary function is a major activity for which the facility is intended. Areas that contain a primary function include, but are not limited to, the customer services lobby of a bank, the dining area of a cafeteria, the meeting rooms in a conference center, as well as offices and other work areas in which the activities of the public accommodation or other private entity using the facility are carried out. Mechanical rooms, boiler rooms, supply storage rooms, employee lounges or locker rooms, janitorial closets, entrances, corridors and restrooms are not areas containing a primary function.

# **Def. – Technically Infeasible**

---

**An alteration of a building or a facility that has little likelihood of being accomplished because the existing structural conditions require the removal or alteration of a load-bearing member that is an essential part of the structural frame or because other existing physical or site constraints prohibit modification or addition of elements, spaces, or features that are in full and strict compliance with the minimum requirements for new construction and that are necessary to provide accessibility.**

## Def. – Work Area

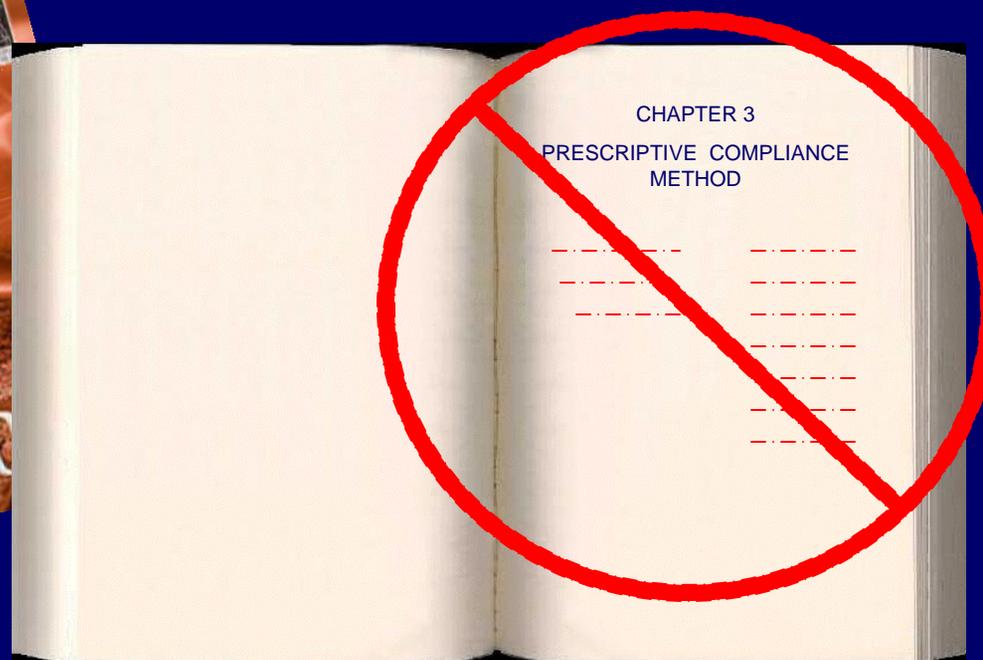
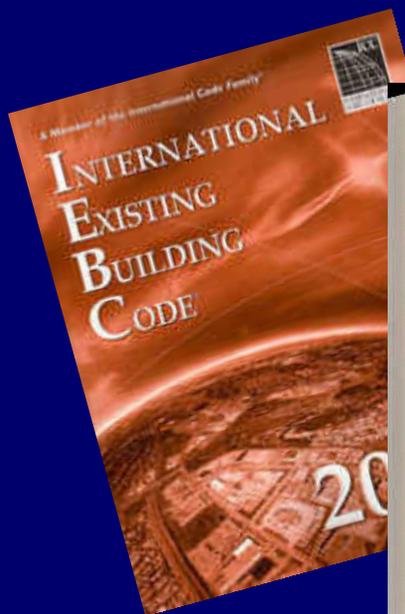
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**WORK AREA.** That portion or portions of a building consisting of all reconfigured spaces as indicated on the construction documents. Work area **excludes** other portions of the building where incidental work entailed by the intended work must be performed and portions of the building where work not initially intended by the owner is specifically required by this code.

# IEBC Wisconsinisms CH 3

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- **Comm 66.0300 – Don't use Chapter 3 of the IEBC in Wisconsin**



# **IEBC Ch 3 – Presc. Compl. Meth.**

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**301 – General [WI]**

**302 – Additions, Altn's or Repairs**

**303 – Fire Escapes**

**304 – Glass Replacement**

**305 – Change of Occupancy**

**306 – Historic Buildings**

**307 – Moved Structures**

**308 – Accessibility [although Ch. 3 is  
dropped, use 308 per Ch. 13]**

**No  
Accessibility  
Provisions  
in Ch. 4!**

# **IEBC Ch 4**

## **Classification of Work**

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- **SECTION 401 GENERAL**
- **SECTION 402 REPAIRS**
- **SECTION 403 ALTERATION—LEVEL 1**
- **SECTION 404 ALTERATION—LEVEL 2**
- **SECTION 405 ALTERATION—LEVEL 3**
- **SECTION 406 CHANGE OF OCCUPANCY**
- **SECTION 407 ADDITIONS**
- **SECTION 408 HISTORIC BUILDINGS**
- **SECTION 409 RELOCATED BUILDINGS**

# IEBC Ch 5 - Repairs

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- SECTION 501 GENERAL
- SECTION 502 BUILDING ELEMENTS AND MATERIALS
- SECTION 503 FIRE PROTECTION
- SECTION 504 MEANS OF EGRESS
- SECTION 505 ACCESSIBILITY
- SECTION 506 STRUCTURAL [WI]
- SECTION 507 ELECTRICAL
- SECTION 508 MECHANICAL
- SECTION 509 PLUMBING [WI]

# IEBC Ch 5 - Repairs

---

- SECTION 501 GENERAL
- SECTION 502 BUILDING ELEMENTS AND MATERIALS
- SECTION 503 FIRE PROTECTION
- SECTION 504 MEANS OF EGRESS
- SECTION 505 ACCESSIBILITY
- SECTION 506 STRUCTURAL [WI]
- SECTION 507 ELECTRICAL
- SECTION 508 MECHANICAL
- SECTION 509 PLUMBING [WI]

# IEBC Ch 6 Alterations - Level 1

Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using new materials, elements, equipment, or fixtures that serve the same purpose.



# IEBC Ch 6 - Level 1 Alt's (cont)

Level 1 alterations are commonly the type of minor alteration being referred to in Comm 61.30(4). Plan submittal may not be needed.



# **IEBC Ch 6 - Level 1 Alt's (cont)**

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**Direction Given on subjects of:**

- **Bldg elements/Matl's [602 & WI]**
- **Fire Protection [603]**
- **Means of Egress [604]**
- **Accessibility [605]**
- **Structural [606]**
- **Energy Cons'n [607 & WI]**

# Section 605.1 Accessibility

---

- **Altered Buildings are to comply with the applicable provisions in Section 605.1.1 through 605.1.12, chapter 11 of the IBC and ICC A117.1... “unless technically infeasible”. In which case... “to the maximum extent feasible”.**
- **...access to be maintained during occupancy.**

# Section 605.1 Accessibility

---



## Four Exceptions...

1. The Altered Element or space is not involving a primary function or affecting the accessible route to a primary function
2. IBC Accessible Means of Egress not required in existing buildings

# Section 605.1 Accessibility

---

## Four Exceptions (cont'd)...

3. Type B DU's/sleeping units need not be provided within existing buildings
4. When altering a Type A individually Owned DU's within an R-2, the unit needs to meet Type B provisions of IBC Ch. 11 & ICC ANSI A117.1.

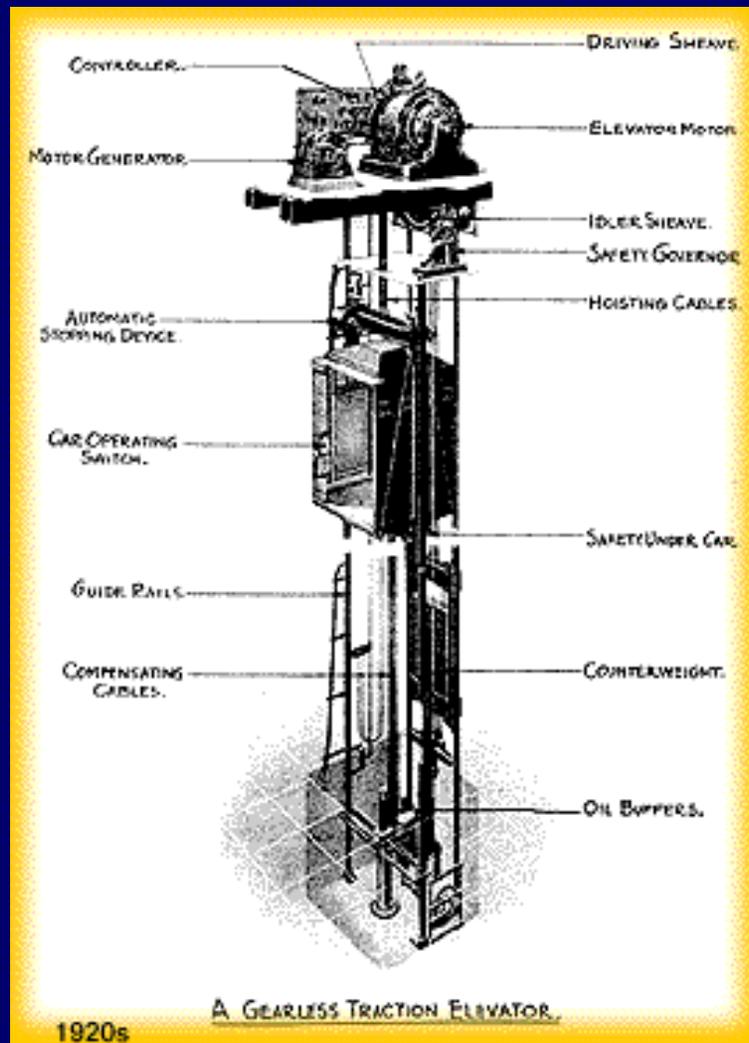


# Section 605.1.1 Entrances

...when altering an entrance and the building already has an accessible entrance on an accessible route, the altered entrance need not be made accessible unless called for by s. 605.2 ...[Alterations Affecting an Area Containing a Primary Function.]



# Section 605.1.2 Elevators



...altered elements shall comply with ASME A17.1 and ICC/ANSI A117.1...

## Section 605.1.3 Platform Lifts

**...complying with ICC A117.1 and installed in accordance with ASME A18.1 shall be permitted as component of accessible route.**



# Section 605.1.4 Ramps

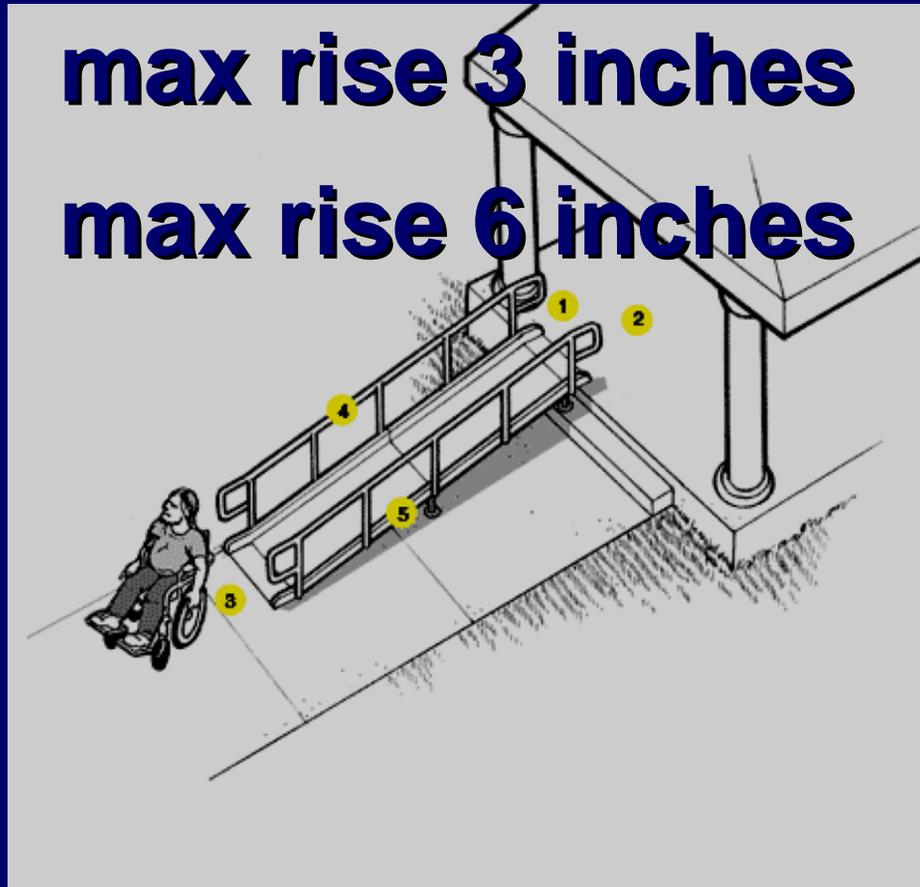
...steeper than allowed in IBC 1010,  
reference table 605.1.4...

1:10 – 1:8

1:12 – 1:10

max rise 3 inches

max rise 6 inches



# Section 605.1.5 Dining Areas

...unlike new const.,  
access is NOT  
required to raised or  
sunken dining areas  
or outdoor seating  
areas provided the  
same service and  
decor exists in an  
accessible space.



# Section 605.1.6

## Performance Areas

**...where technically infeasible to alter performance areas...at least one of each type shall be made accessible.**



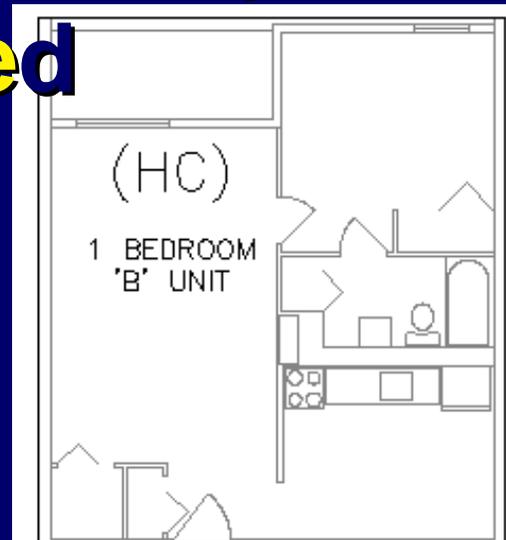
# Section 605.1.7 Jury boxes

**...access not required within defined area of jury or witness stand where ramp or lift poses a hazard or restricts egress.**



# Section 605.1.8 Dwelling Unit

When altering I-1, I-2, I-3, R-1, R-2 or R-4 . . . provisos of IBC 1107 for Accessible or Type A units and alarm provisos of IBC Ch. 9 apply only to the quantity of the spaces being altered



# Section 605.1.9 Toilet Rooms

---

**...technical infeasibility will permit the unisex toilet room on the same floor in the same area...**



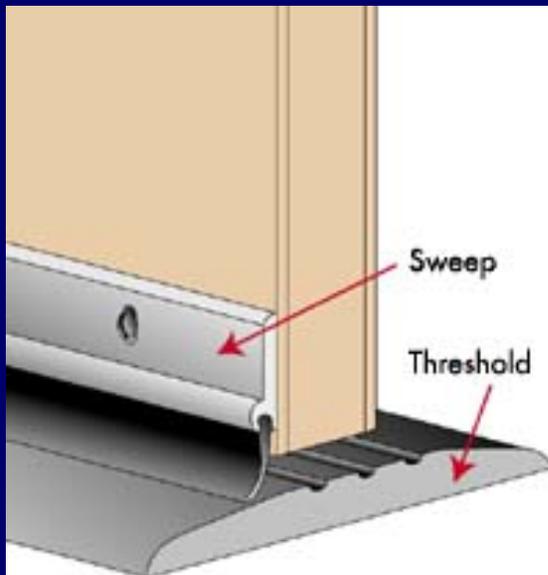
# Section 605.1.10 Fitting Room

**...technical infeasibility will permit one accessible room on same floor in same area permitted...  
When fitting rooms provided for separate sex, each to have access as well.**



# Section 605.1.11 Thresholds

...3/4" maximum height with  
beveled edges.



# **Section 605.1.12 Extent of Application ...**

---

**... Not to impose requirement for greater accessibility than that required for new construction**

**... Conversely, not to reduce accessibility.**

# Section 605.2 Altn's Affecting Areas of Primary Function

---

...access to or areas containing a **primary function**...make route usable

Exceptions...

- Disproportionate cost - 20%
- Alts to windows, hardware, controls, etc.
- Alts to syst's like mech, elect, fire, etc
- Alts to increase accessibility

## Section 605.2 Alt'ns Affecting Primary Funct'n Area (cont)

---

Before moving to the 4 exceptions, do not forget the main exception . . . Without the alteration of an area containing a **primary function** . . . none of the exceptions even need probing.

# **Section 605.2 Alt'ns Affecting Primary Funct'n Area (cont)**

---

## **Getting back to those 4 exceptions**

- Disproportionate cost - 20%**
- Alts to windows, hardware, controls, etc.**
- Alts to syst's like mech, elect, fire, etc**
- alterations to increase accessibility**

# Section 605.2 Alt's Primary Funct'n Area Except's (cont)

First to dispose of the no brainers . . .

- Disproportionate cost - 20%
- Alts to windows, hardware, controls, etc.
- Alts to syst's like mech, elect, fire, etc
- Alterations to increase accessibility



# **Section 605.2 Alt's Primary Funct'n Area Except's (cont)**

---

**What's so different about that first  
exception . . .**

- Disproportionate cost - 20%**
- Alts to windows, hardware, controls,  
etc.**
- Alts to syst's like mech, elect, fire, etc**
- alterations to increase accessibility**

# **Section 605.2**

## **“Disproportionality” (cont)**

---

**Disproportionate cost - 20%**

- Wisconsin tools . . .**
- Does not demand that one spend 20%**

**DISPROPORTIONALITY WORKSHEET**  
 Comm 62 and IBC section 3408  
**ALTERATIONS TO A PRIMARY FUNCTION AREA**

<b>A. TOTAL COST OF ALTERATION TO PRIMARY FUNCTION AREA.</b> (Excluding costs in B.)		\$ _____
<b>MINIMUM COSTS FOR ACCESSIBLE ROUTE:</b> (When the cost of providing an accessible route exceeds 20% of the total cost of the alteration, the cost is considered disproportionate)		\$ _____
<b>B. COSTS REQUIRED TO PROVIDE AN ACCESSIBLE ROUTE:</b> (Listed in order of suggested priority in the event the cost is disproportionate)		
1. Costs associated with providing an accessible route to the altered area: (Route is from exterior to the altered area, including entrance and parking):	\$ _____	
<ul style="list-style-type: none"> <li>• Costs associated with providing an accessible entrance:</li> </ul>	\$ _____	
<ul style="list-style-type: none"> <li>• Costs associated with providing components of an accessible route (Ramps, elevators, platform lifts):</li> </ul>	\$ _____	
<ul style="list-style-type: none"> <li>• Costs associated with providing accessible elements such as parking:</li> </ul>	\$ _____	
2. Costs associated with making toilet rooms accessible:	\$ _____	
3. Costs associated with relocating an inaccessible drinking fountain:	\$ _____	
<b>TOTAL COSTS TO PROVIDE AN ACCESSIBLE ROUTE:</b>	\$ _____	
<b>C. DISPROPORTIONATE COSTS:</b> If the total cost of the expenditures in B. is greater than 20% of the total cost of the alteration in A., list the elements and spaces being provided that will equal or exceed 20% of the total cost of the alteration. If a non-accessible item exceeds 20% and all other elements and spaces along the accessible route comply with the current accessibility requirements, the additional expenditure is not required.		_____ _____ _____

SBD-10218 (R. 4/03)

**DISPROPORTIONALITY WORKSHEET**  
Comm 62 and IBC section 3408  
**ALTERATIONS TO A PRIMARY FUNCTION AREA**  
**DISPROPORTIONATE COSTS TO PROVIDING AN ACCESSIBLE ROUTE**

Division of Safety and Buildings form, SBD 10219, Disproportionate Costs In Alterations, shall be submitted with the SBD-118 Plan Application form and plans at the time of building plan review.

The plan reviewer will determine compliance with the alteration requirements specified in chapter Comm 62 and IBC section 3408.

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m)].

**PROJECT INFORMATION**

Project Transaction Number \_\_\_\_\_

**BUILDING LOCATION:**

STREET ADDRESS \_\_\_\_\_

CITY, VILLAGE, TOWNSHIP \_\_\_\_\_

OWNER'S NAME (PLEASE PRINT) \_\_\_\_\_

OWNER'S SIGNATURE \_\_\_\_\_

DATE OF ALTERATION: \_\_\_\_\_

SBD-10219 (R: 4/03)

The intent of this requirement is for the owner and designer to analyze the exist'g bldg's accessible route features to the altered area against the current code requirements and to then remove existing barriers to people with disabilities, provided the cost is not disproportionate. If the cost to provide an accessible route to the altered area is greater than 20 percent of the total cost of the altered area, the cost is deemed disproportionate. However, if the total cost of the alteration is greater than 20 percent, the owner is required to spend up to 20 percent of the total cost to provide accessible route features. If a non-accessible item exceeds the 20 percent and all other elements and spaces along the accessible route comply with the current accessibility requirements, the owner is not required to spend the additional money to make spaces outside of the altered area accessible.

# IEBC Ch 7 - Level 2 Alt's Direction

---

**Direction Given on subjects of:**

- **General [701 & WI]**
- **Special Use/Occ'y [702]**
- **Build'g Elements/Matl's [703 & WI]**
- **Fire Protection [704]**
- **Means of Egress [705]**

# IEBC Ch 7 – Direction (cont)

---

- **Accessibility [706]**
- **Structural [707]**
- **Electrical [708]**
- **Mechanical [709 & WI]**
- **Plumbing [710 & WI]**
- **Energy Cons'n [711 & WI]**

# IEBC Ch 7 – Accessibility

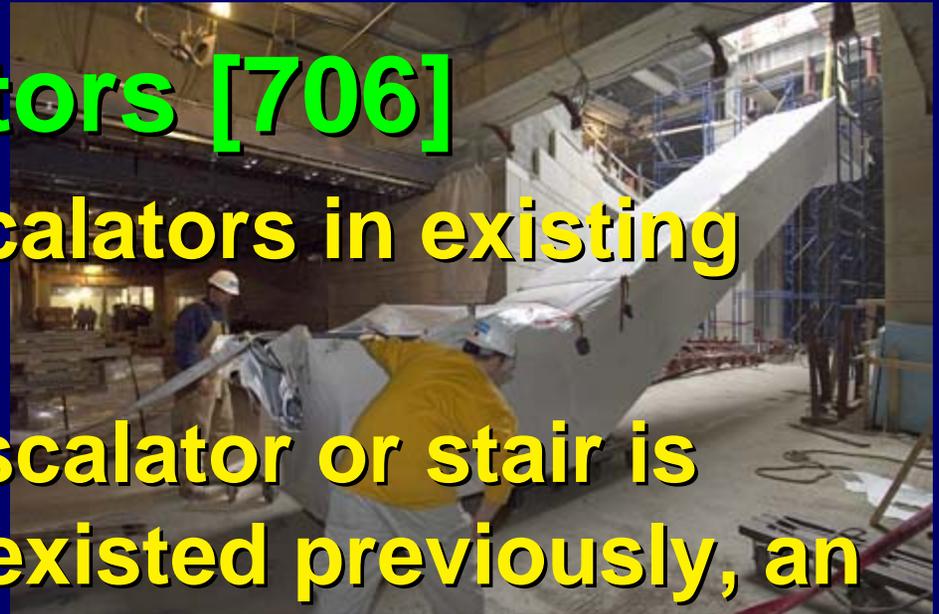
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- **Accessibility [706]**
- **706.1 General**
- **706.2 Stairs & escalators in exist'g bldg's**
- **706.3 Dwelling units and sleeping units**
  
- **706.1 General.**
- **A building, facility, or element that is altered shall comply with Section 605.**

# IEBC Ch 7 – Access (cont)

---

- **Stairs & Escalators [706]**
- **706.2 Stairs and escalators in existing buildings.**
- **In altns where an escalator or stair is added where none existed previously, an accessible route shall be provided in accordance with Sections 1104.4 and 1104.5 of the International Building Code.**



# IEBC Ch 7 – Access (cont)

---

- **Dwelling & Sleeping Units [706]**
- **706.3 Dwelling units and sleeping units.**
- **Where Group I-1, I-2, I-3, R-1, R-2, or R-4 DU's or sleeping units are being added, the reqmt's of Section 1107 of the IBC for accessible units or Type A units and Chapter 9 of the IBC for accessible alarms apply only to the number of spaces being added.**



# IEBC Ch 8 - Level 3 Alt's Direction

---

**Direction Given on subjects of:**

- **General [801]**
- **Special Use/Occ'y [802 & WI]**
- **Build'g Elements/Matl's [803]**
- **Fire Protection [804]**
- **Means of Egress [805]**

# IEBC Ch 8 – Direction (cont)

---

- **Accessibility [806]**
- **Structural [807]**
- **Energy Cons'n [808 & WI]**
- **Plumbing [Wisconsinism on the State law dealing with the subject commonly referred to as “Potty Parity”]**

# IEBC Ch 8 – Accessibility

---

- **Accessibility [806]**
- **806.1 General.**
- **A building, facility, or element that is altered shall comply with Section 605.**

# Ch. 9 – Change of Occupancy

## What's in 901 to 911?

---

- **GENERAL [901 & WI]**
- **SPECIAL USE & OCCUPANCY [902]**
- **BLD'G ELEMENTS & MATL'S [903]**
- **FIRE PROTECTION [904]**
- **MEANS OF EGRESS [905]**
- **ACCESSIBILITY [906]**

# Ch. 9 – 901 to 911? (cont)

---

- **STRUCTURAL [907]**
- **ELECTRICAL [908]**
- **MECHANICAL [909]**
- **PLUMBING [910 & WI]**
- **OTHER REQMT'S [911 & WI] (only light & vent'n)**

# Ch. 9 – 901 to 911? (cont)

---

- **ACCESSIBILITY [906]**
- **906.1 General. Accessibility in portions of buildings undergoing a change of occupancy classification shall comply with Section 912.8.**

# Ch. 9 – Accessibility

---

- **ACCESSIBILITY [912.8]** Exist'g bldg's or portions undergoing a change of group or occ'y classification to have all of the **six** following elements:
  - 1. At least one accessible building entrance.
  - 2. At least one accessible route from an accessible building entrance to primary function areas.
  - 3. Signage complying with Section 1110 of the IBC.

# Ch. 9 – Access (cont)

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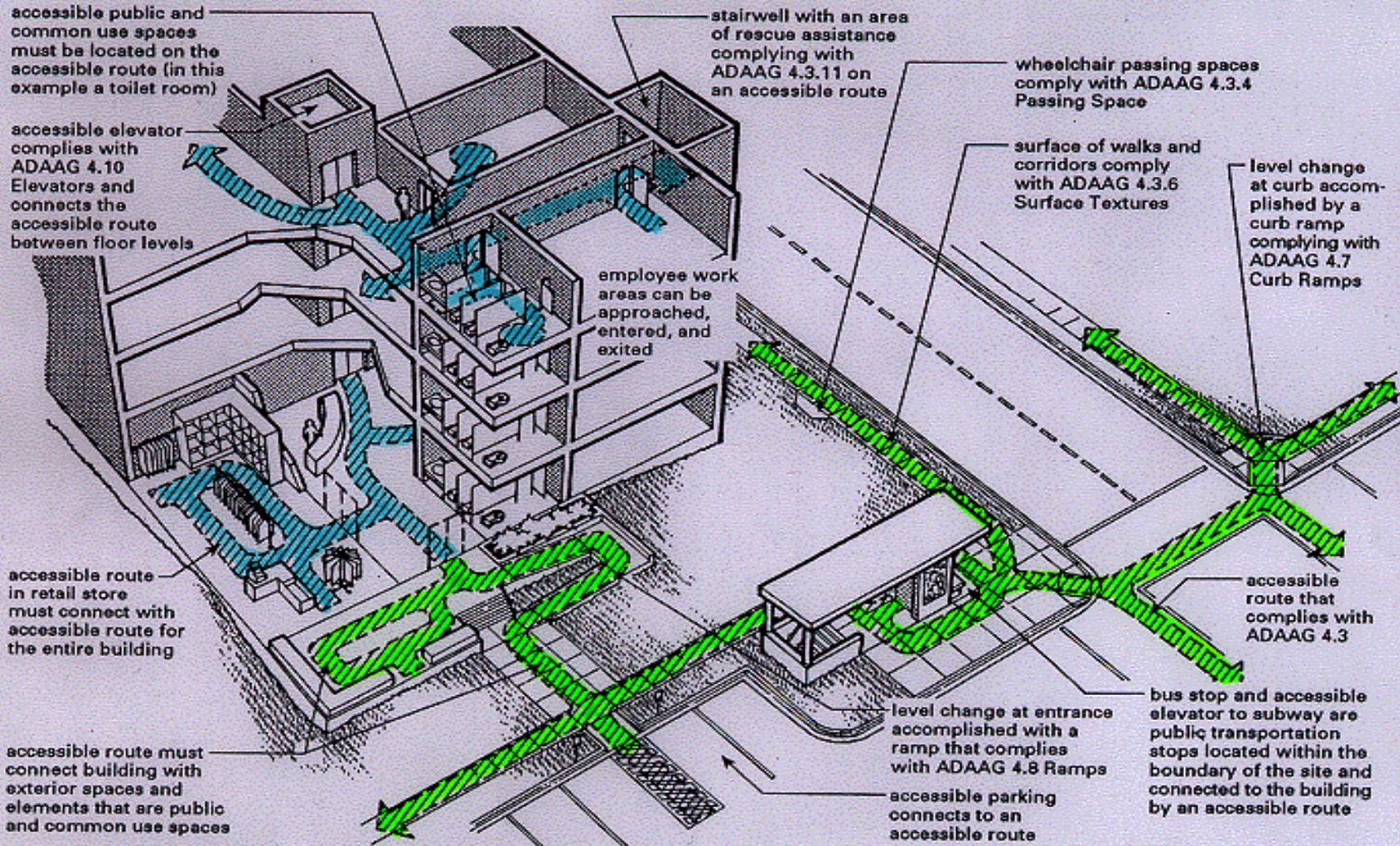
- **IEBC s. 912.8 - Six Elements (cont)**
- **4. Accessible parking, where parking is provided.**
- **5. At least one accessible passenger loading zone, where loading zones are provided.**
- **6. At least one accessible route connecting accessible parking and accessible passenger loading zones to an accessible entrance.**

# Ch. 9 – Access (cont)

---

- **ACCESSIBILITY [912.8] cont'd**
- **Where technically infeasible to meet the new construction standards for any of those six features for a change of group or occ'y, the six items shall conform to the maximum extent technically feasible. Changes of group or occ'y that incorporate any altn's or addn's must comply with this section and sect's 506.1 and 905.1 as applicable.**
- **Except'n: Type B dwelling or sleeping units required by Section 1107 of the IBC are not req'd to be provided in existing bldg's**

# ACCESSIBLE ROUTE



Typical Elements and Features Connected by an Accessible Route

# Ch. 10 – What's in 1001 to 1005?

---

- **GENERAL [1001]**
- **HEIGHTS AND AREAS [1002]**
- **STRUCTURAL [1003]**
- **SMOKE ALARMS [1004]**
- **ACCESSIBILITY [1005]**

# Ch. 10 – Accessibility

---

- **ACCESSIBILITY [1005]**
- **1005.1 Min. Reqmt's. Accessibility provisos for new construction apply to additions. An addition that affects the accessibility to, or contains an area of, primary function shall comply with the requirements of Section 605.**

# Ch. 11 – Historic Buildings

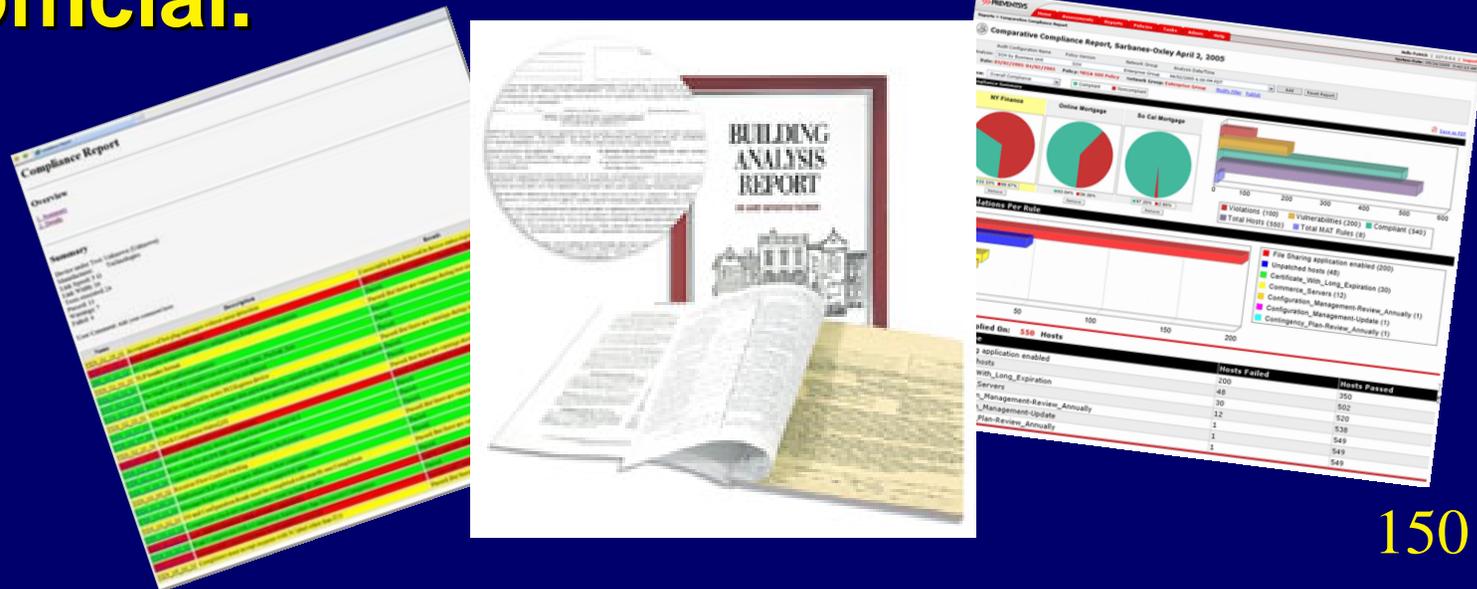
## What's in 1101 to 1106?

---

- GENERAL [1101 & WI]
- REPAIRS [1102]
- FIRE SAFETY [1103]
- ALTERATIONS [1104]
- CHANGE OF OCCUPANCY [1105]
- STRUCTURAL [1106]

# Section 1101 - General

- 1101.2 - May wish to ask owners to consult with A/E's about pulling together a report on their behalf for submission to you the local code official.



# Section 1104 Alterations

---

- **Section 1104.1 Accessibility requirements ...Section 605 applies unless technically infeasible**
- **Where historic significance threatened...alternate reqmt's...**
  - **1104.1.1 Site arrival**
  - **1104.1.2 Multi-level buildings**
  - **1104.1.3 Entrances**
  - **1104.1.4 Toilet and bathing facilities**

## **Section 1105.15 Accessibility**

---

**The provisos of s. 912.8 apply unless technically infeasible. Where the Occ'y Change shows compliance with the reqmt's for accessible routes, ramps, entrances, or toilet facilities would threaten or destroy the historic significance of the bld'g, the alternatives of ss. 1104.1.1 - 1104.1.5 are to be allowed**

# Ch. 13 – Performance Compliance Method

## What's in 1301?

---

- **GENERAL [1301 & WI]**
- **Trade-offs!**
- **Your own “Petition for Variance” for any/all deficient provisions within the building!**

# **IEBC Ch 13**

## **Accessibility**

---

- **Accessibility is embedded within IEBC s. 1301.2.5**
  - **1301.2.5 Accessibility requirements. All portions of the buildings proposed for change of occupancy shall conform to the accessibility provisions of Section 308.**
- Remember my earlier reference!**

# IEBC Ch 13 Accessibility (cont.)

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- IEBC s. 1301.2.5 Refers to Section 308 for Accessibility. Covers Nine Subjects
- 308.1 Scope , 308.2 Maintenance of facilities, 308.3 Extent of application, 308.4 Change of Occ'y, 308.5 Addn's, 308.6 Altn's, 308.7 Altn's Affecting an Area Containing a Primary Function, 308.8 Scoping for Altn's, 308.9 Historic Bldg's.

# IEBC Ch 13 Accessibility (cont.)

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- **IEBC Section 308.8 Scoping for Altn's**
- **308.8.1 Entrances, 308.8.3 Platform Lifts, 308.8.4 Stairs and Escalators in Exist'g Bldg's, 308.8.5 Ramps, 308.8.6 Performance Areas, 308.8.7 Dwelling or Sleeping Units, 308.8.8 Jury Boxes and Witness Stands, 308.8.9 Toilet Rooms, 308.8.10 Dressing, Fitting and Locker Rooms, 308.8.11 Check-out Aisles, 308.8.12 Thresholds.**

# IEBC Ch 13 Accessibility (cont.)

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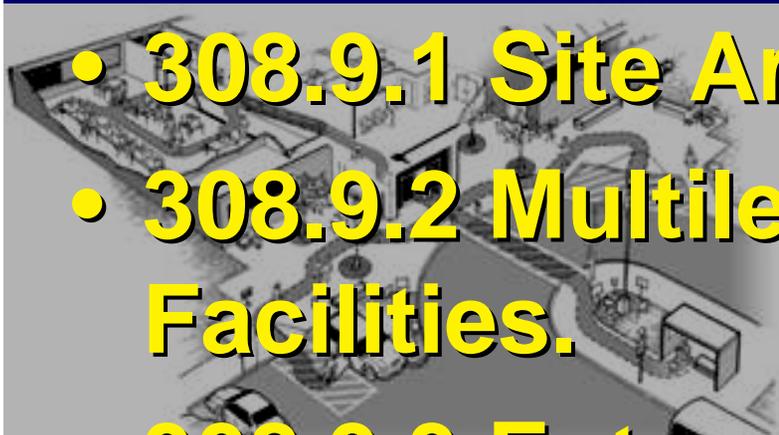
- IEBC Section 308.9 Historic Bldg's

- 308.9.1 Site Arrival Points.

- 308.9.2 Multilevel Bldg's and Facilities.

- 308.9.3 Entrances.

- 308.9.4 Toilet and Bathing Facilities.



# IEBC Ch 14

## Construction Safeguards

---

- Should be very familiar . . . Similar to IBC Ch. 33, but geared to conditions associated with existing buildings
- Includes provisions for the **general** protection of & usability by the public & site cleanliness (includes sanitary)
- Covers 7 other specific items . . .

# IEBC Ch 14 - Accessibility

---

- **Section 14 – General 1401.6.1 Walkways.**
- **A walkway shall be provided for pedestrian travel in front of every construction and demolition site unless the AHJ authorizes the sidewalk to be fenced or closed. Walkways shall be of sufficient width to accommodate the pedestrian traffic, but in no case shall they be less than 4 feet in width. Walkways shall be provided with a durable walking surface. Walkways shall be accessible in accordance with Chapter 11 of the IBC and designed to support all imposed loads and in no case shall the design live load be less than 150 psf.**

# 7 Specific Const. Safeguards

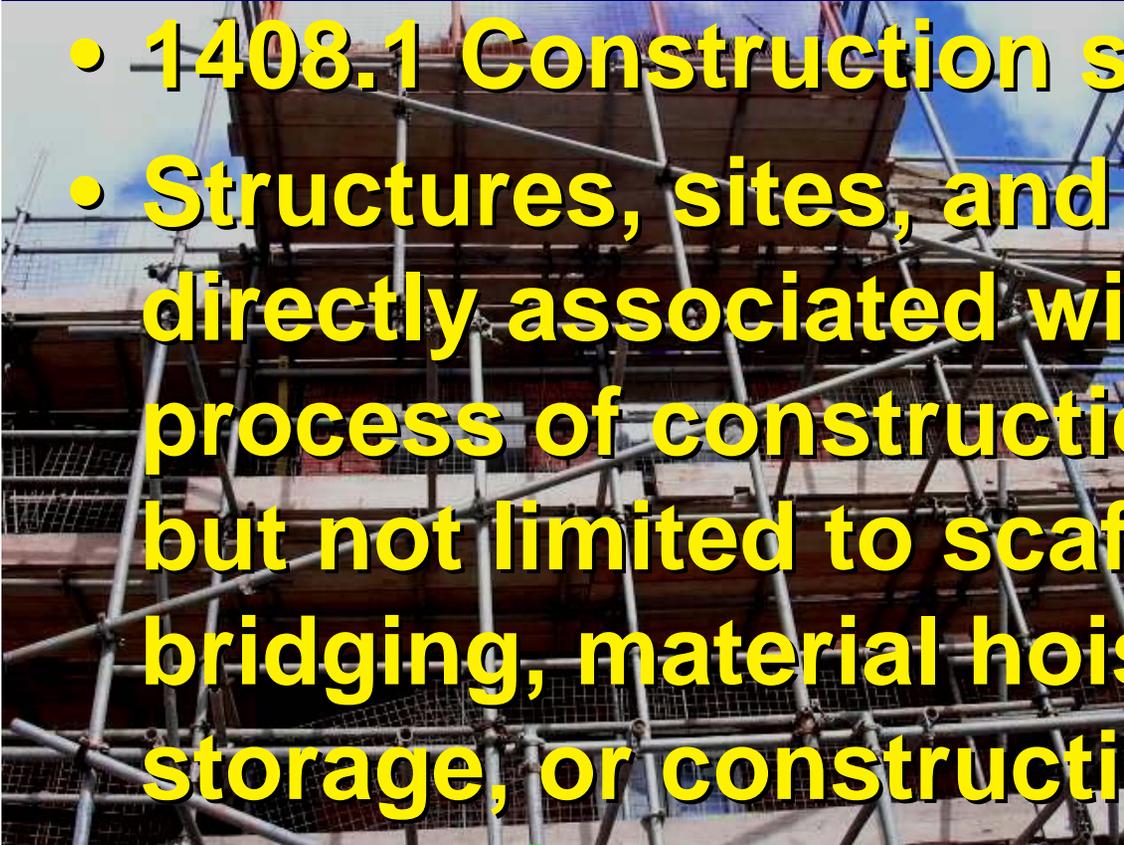
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- Prot'n of Adjoining Property
- Temp. Use of Public Ways and Prop.
- Fire Extinguishers
- Exits
- Standpipe Systems
- Automatic Sprinkler Systems
- **Accessibility**

# IEBC Ch 14 – 1408 Accessibility

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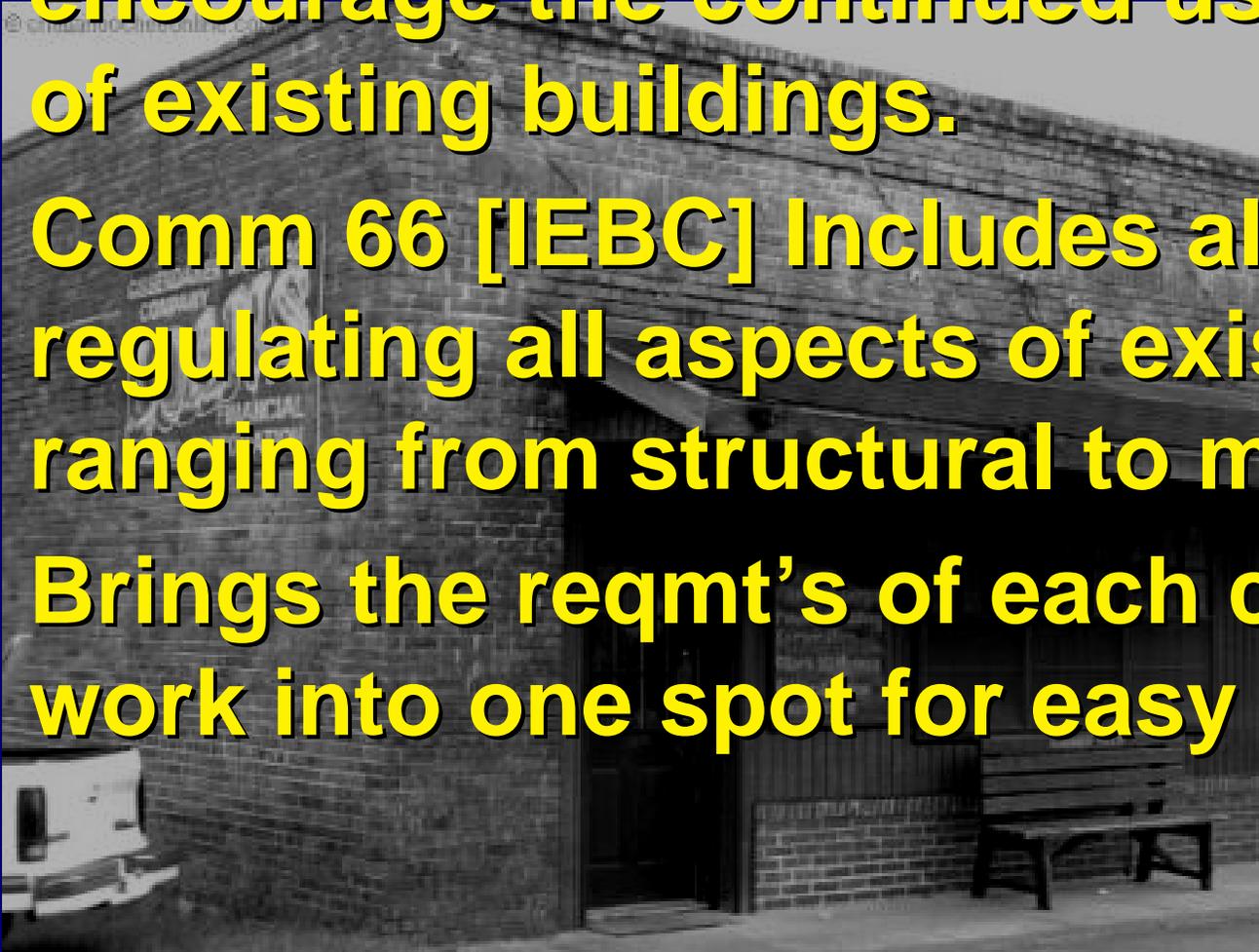
- 1408.1 Construction sites.
- Structures, sites, and equipment directly associated with the actual process of construction, including but not limited to scaffolding, bridging, material hoists, material storage, or construction trailers are **not required to be accessible.**



# IEBC Summary

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- The goal of Comm 66 [IEBC] is to encourage the continued use & re-use of existing buildings.
- Comm 66 [IEBC] Includes all provisos regulating all aspects of existing bldgs ranging from structural to mechanicals.
- Brings the reqmt's of each category of work into one spot for easy use



# IEBC Summary (cont)

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- **Comm 66 [IEBC] provides alternate methods for compliance by means of the administrative provisions found in Chapter Comm 61 & the compliance alternative provisions of IEBC Ch 13**

# Questions ???

