

Course Description This 6 hour comings will provide as

This 6-hour seminar will provide code officials and other interested parties with the fundamental knowledge necessary to administer and enforce applicable code requirements of the 2012 *International Property Maintenance Code*® (IPMC®).

This information will increase your ability to locate, describe and apply the appropriate code sections of the IPMC in order to determine compliance or noncompliance while performing a residential or commercial inspection.



Fundamentals Workbook pa

3

Introduction

Goal

Participants will be able to administer and enforce the 2012 IPMC, by locating, describing and applying the specific sections of the code when determining compliance or noncompliance within the built environment.

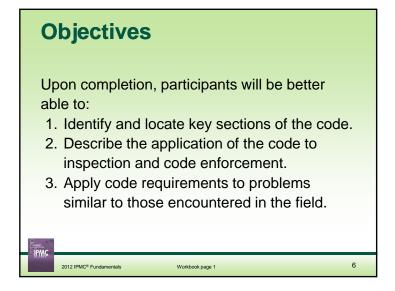


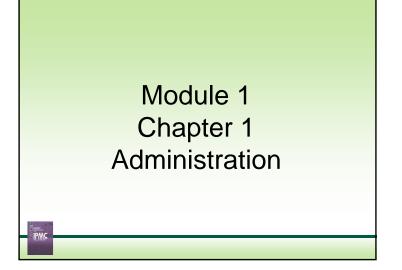
2012 IPMC® Fundamentals

Workbook page 1









Chapter 1—Administration

Effective application of the property maintenance codes helps to:

- Maintain property values.
- Deter crime.
- Encourage community viability.



Purpose

The adoption and enforcement of the IPMC will help provide:

- The proper maintenance of buildings to protect against fire hazards.
- A safe, unobstructed means of egress.
- The prevention of potential structural problems, building deterioration or unsafe conditions.
- Clean and sanitary buildings.
- A suitable environment for the public to live, visit, work or conduct business.



2012 IPMC® Fundamentals

ulibaali naga E

11

Purpose

The purpose of inspecting structures is to protect the public health, safety and welfare.



Consequences

Not performing or inadequately performing an inspection could result in:

- Deterioration of the built environment.
- Improper maintenance.
- Decrease in property value.
- Health hazards.
- Delay in emergency egress.



2012 IPMC® Fundamentals

Workbook page 6

Section 101.2—Scope

- Applies to all structures.
- Details:
 - > Administration.
 - > Enforcement.
 - Penalties.
- Occupancy limitations.
- Provide minimum maintenance standards.
- Determines responsibility for code compliance.



2012 IPMC® Fundamentals Workbook

Section 102.1—General

Provides for conflict resolution between differing provisions. Where there are differences between the code and referenced standards, the most restrictive section of the code governs.



C® Fundamentals Workbook pa

15

Section 101.3—Intent

The intent of the code is to ensure public:

- Health.
- Safety.
- Welfare.



IPMC® Fundamentals Work

ge 6

Section 102.2—Maintenance

Maintenance:

 All required systems and devices must be maintained.



IPMC® Fundamentals Workboo

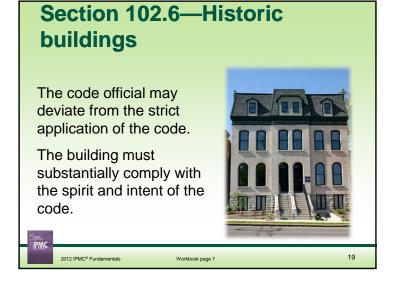
r page 7 16

Section 102.3—Application of other codes

Repairs, alterations, additions and changes of occupancy shall comply with the:

- IBC®.
- IFGC®.
- IMC®.
- NFPA 70.





Section 102.5—Workmanship

Workmanship:

 All work shall be executed in a skilled manner and is subject to the code official's approval.



Section 102.7—Referenced codes and standards

The codes and standards listed in Chapter 8 are part of this code. A referenced code or standard is enforceable to the same extent as the code.

Exception:

If the enforcement of the IPMC would violate the conditions of the equipment listing, the condition of the listing shall apply.



Section 104.3—Right of entry

The code official is authorized to enter a structure or premises for the purpose of an inspection only when granted entry by any of the following:

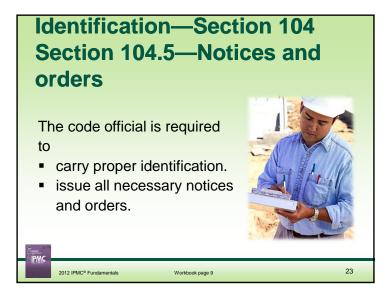
- The owner.
- A person who legally occupies the premises.
- An owner who has properly obtained permission from the occupant.

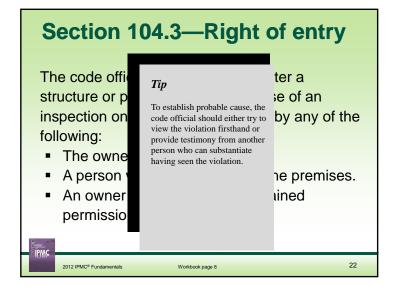


PMS

2012 IPMC® Fundamentals Workbook pag

21





Section 104.6—Department records

- The code official shall keep official records.
- Records should be maintained as long as the building or structure is in existence, or as otherwise provided for in regulations.



2012 IPMC® Fundamentals

Workbook page 9

Section 105.1—Modifications

- The code official may grant modifications to the code upon application from the owner in order to allow improvement and maintenance of existing structures.
- Modification must be in compliance with intent and purpose of code.



Section 105.4—Used materials and equipment

Used materials and equipment can be approved by the code official when the used materials:

- Are in good repair or have been reconditioned.
- Have been tested, when necessary.
- Are in proper working condition.



Violations—Section 106

The code official shall issue a notice of violation once it is determined that a violation exists.



Section 106.2—Notice of violation

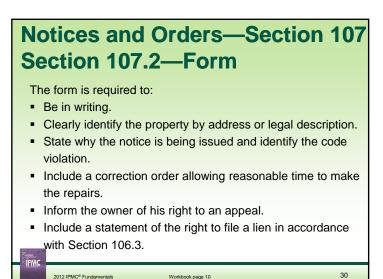
- The code official must initiate an action to correct the violation.
- Any action taken on the premises shall be charged against the real estate.
- In accordance with Section 107.

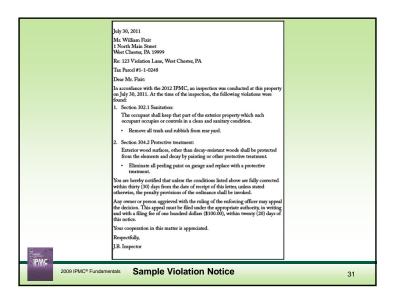


Section 106.5—Abatement of violation

Regardless of the imposition of penalties, the jurisdiction may institute action to correct all or part of a violation.

2012 IPMC® Fundamentals Workbook page 10 29





Section 107.3—Method of service

The notice shall be:

- Hand-delivered to the person in violation.
- Sent certified or first class mail.
- Posted in a conspicuous place, if returned by the postmaster.



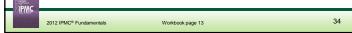
Section 107.4—Unauthorized tampering

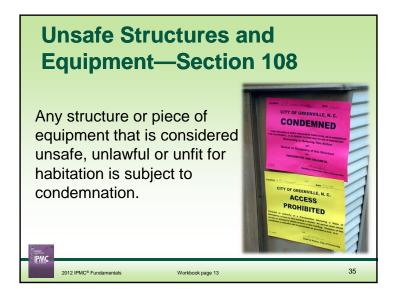
Signs and tags, like permits, correction notices and stop work orders that are posted by the code official are not to be tampered with or removed.



Section 107.6—Transfer of ownership

Transfer of property with violations cannot take place unless the new owner agrees to accept responsibility for the violations.





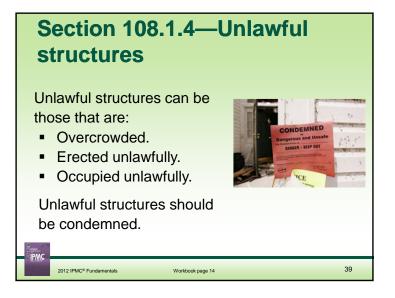
Section 108.1.1—Unsafe structure

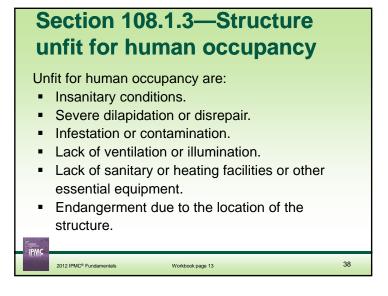
Any of the following can contribute to an unsafe structure:

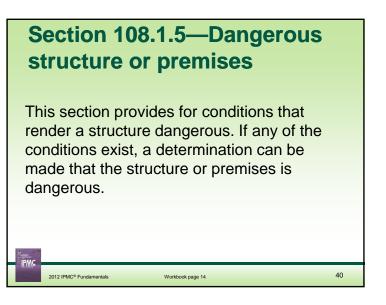
- Lack of fire safeguards.
- Unsafe equipment.
- Damage or dilapidation.
- Danger of collapse.











Section 108.1.5—Dangerous structure or premises

Examples include:

- Inadequate means of egress under the adopted building.
- Damaged by natural disaster, such as a hurricane or earthquake.
- Inadequate light, ventilation, mechanical or plumbing systems.
- An abandoned structure.



Section 108.2—Closing a vacant structure The code official is authorized to order a vacant structure closed.

Section 108.2.1—Authority to disconnect utility services

The code official can authorize disconnection of utility services to a structure under these conditions:

- In the case of an emergency where there is a hazard to life or property.
- When the utility connection has been made without approval.

Notice shall be given to the utility and, when possible, to the owner and occupant of the structure prior to disconnection.



2012 IPMC® Fundamentals

rkhook page 15

12

Section 108.3—Notice Section 108.4--Placarding

Notice

 The code official must post the condemned structure or equipment with the notice and properly serve the owner or responsible party.

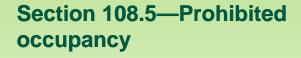
Placarding

 The placard should include a statement of penalties.



2012 IPMC® Fundamentals

Workbook page 15



Structures condemned and placarded by the code official shall be vacated.

PMC 2012 IPMC® Fundamentals Workbook page 15 45

Section 108.6—Abatement methods

Allows or various methods of abatement of unsafe conditions by repair, rehabilitation or other approved corrective action.

2012 IPMC® Fundamentals Workbook page 15 46

Section 108.7—Record

The code official shall cause a report to be filed stating the occupancy of the structure and the nature of the unsafe condition.

PRMS 2012 IPMC® Fundamentals Workbook page 16 47

Emergency Measures—109 Section 109.1—Imminent danger

The code official is required to take emergency measures when the occupant is in danger and could be harmed.

This is not always an easy or obvious decision.



Section 109.2—Temporary safeguards

Emergency repairs can be made to temporarily safeguard the structure or equipment.

2012 IPMC® Fundamentals Workbook page 16 49

Section 110—Demolition

The code official must carefully document the condition of the structure prior to issuing a demolition notice. Before the code official pursues action to demolish a structure, it is imperative that all owners or anyone with an encumbrance or lien against the property be notified.



2012 IPMC® Fundamentals

/orkhook page 16

_.

Section 109.6—Hearing

Emergency repairs must be completed immediately.

A person ordered to take emergency measures may appeal the action.



2012 IPMC® Fundamentals

Workbook page

Section 110—Demolition

A structure deemed unreasonable to repair shall be ordered demolished by the code official.

When a structure is capable of being repaired, the owner has the option to raze or repair.

If the code official has the building razed, it should be charged against the property.



50

2012 IPMC® Fundamentals

Workbook page 16



A Board of Appeals must be established.

An appeal (other than imminent danger) prevents the code official from pursuing compliance of the violation.



Section 111.1—Application for appeal

An appeal can be based on:

- Incorrect interpretation.
- Provisions of the code do not apply.
- Requirements are met in another way.



Section 111.2—Membership of the board Section 111.3—Notice of meeting

Membership:

 The Board of Appeals is required to consist of at least three qualified members.

Notice of Meeting:

 The appellant is entitled to a prompt hearing.



Workhook page 17

55

Section 112—Stop work order

Code officials have the authority to issue stop work orders if the work is being performed in a manner that is:

- Contrary to code provisions; or
- Dangerous or unsafe.

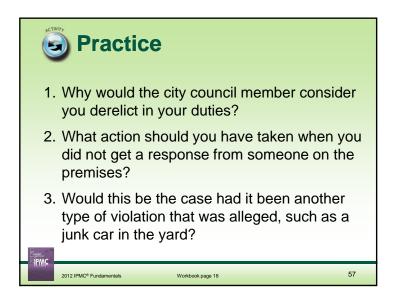
Stop work orders shall be:

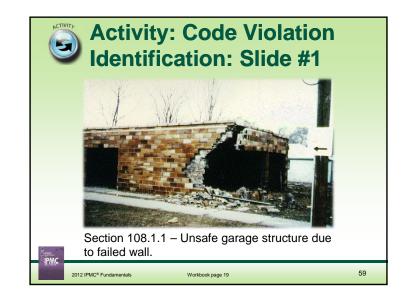
- In writing (except in the case of an emergency); and
- Given to the owner or owner's agent.

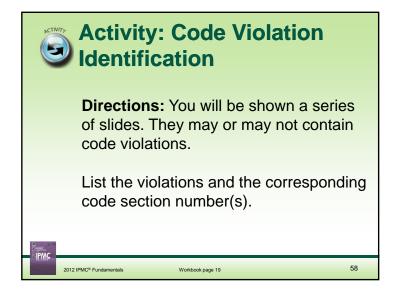


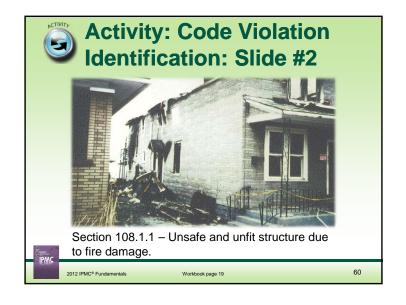
2012 IPMC® Fundamentals

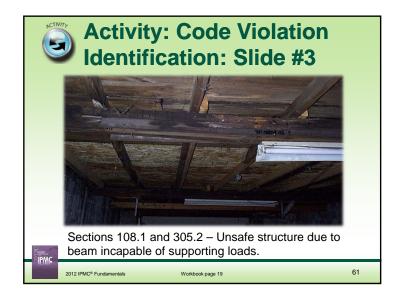
Workbook page 17

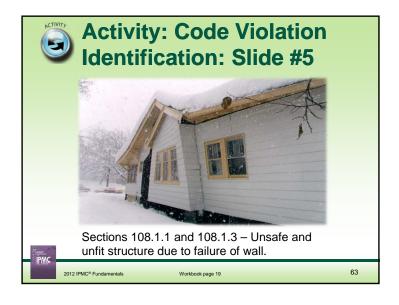


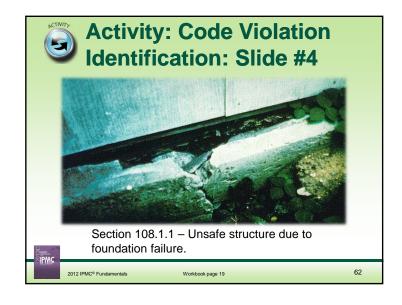


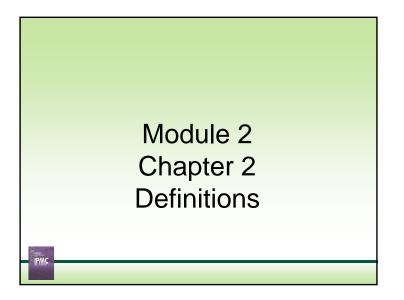


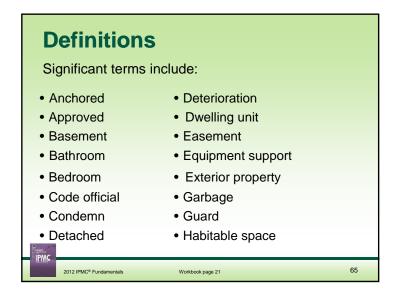






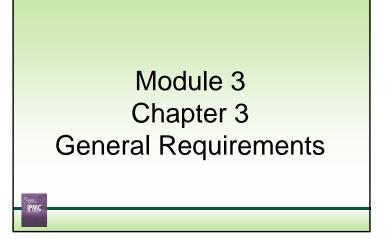












Purpose

The purpose of inspecting:

- Exterior property areas and equipment is to determine if the exterior environment meets minimum code requirements.
- Interior properties for structural, rubbish, garbage or pest elimination violations is to determine if minimum standards are met.



Exterior Property Areas—302 Section 302.1—Sanitation

Exterior areas should be maintained clean and free from rubbish and garbage.

Accumulation of garbage and rubbish should always be addressed, specifically, car parts, tires and construction materials.



Consequences

Not performing or inadequately performing an inspection could result in:

- Deterioration.
- Improper storage and disposal practices (interior inspection).
- Inadequate property identification (exterior inspection).
- Improper ingress and egress (exterior inspection).
- Lack of building security.



Section 302.2—Grading and drainage

Improperly graded property areas create health and safety hazards.

Solutions to prevent soil erosion include:

- Replacing nonabsorbent soil with absorbent soil.
- Installing underground drain tiles.
- Building an underground leaching pit.

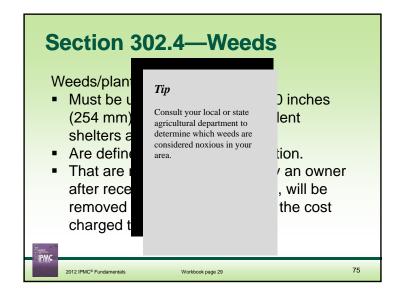


Section 302.3—Sidewalks and driveways

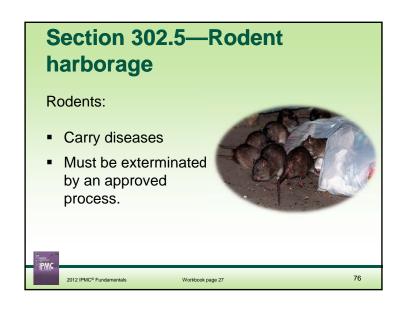
Deteriorated walking surfaces present a hazard to the public. The code official should ensure that the following are usable and kept in proper repair:

- Sidewalks.
- Walkways.
- Driveways.
- Parking surfaces.





Section 302.4—Weeds Weeds/plant growth: ■ Must be under a maximum of 10 inches (254 mm) in order to reduce rodent shelters and pollen problems. ■ Are defined by the local jurisdiction. ■ That are not cut or destroyed by an owner after receiving a notice violation, will be removed by the jurisdiction and the cost charged to the owner.

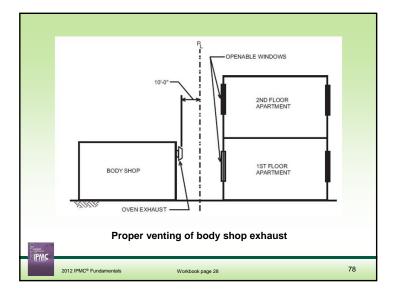


Section 302.6—Exhaust vents

Three common problems are associated with exhaust vent discharges:

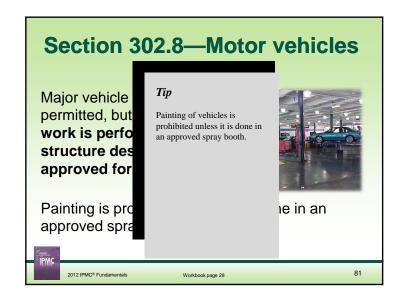
- Odor problems caused from exhaust gases emanating from business and industrial properties.
- Noise.
- Health and safety problems created by hazardous discharges.

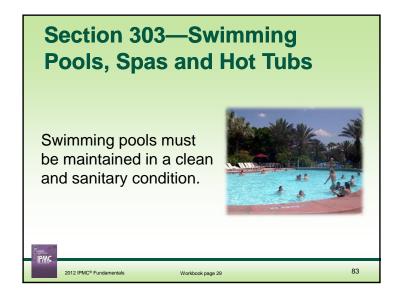


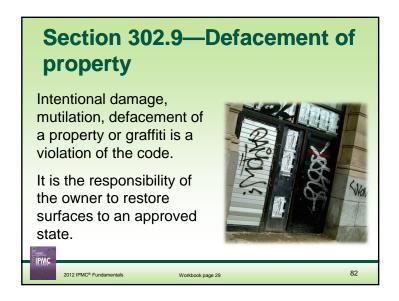


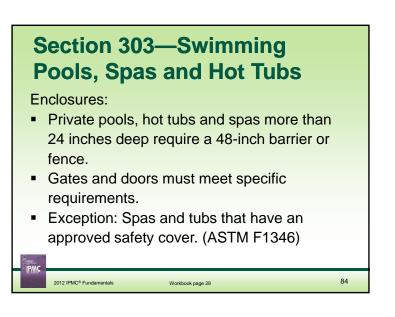












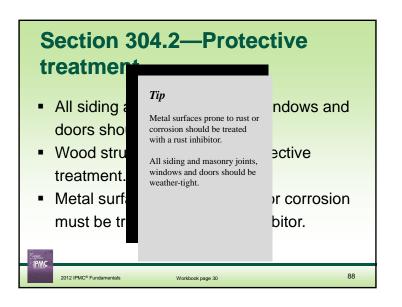
Exterior Structure—304 Section 304.1.1—Unsafe conditions

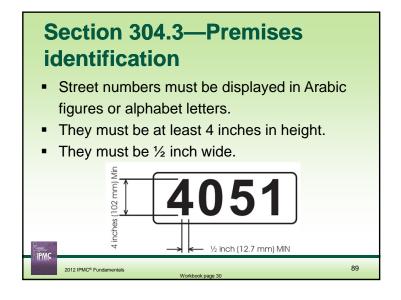
- Provides for exterior conditions that render a structure unsafe.
- Repair or replacement must be in compliance with the *International Building* Code or the *International Existing Building* Code.

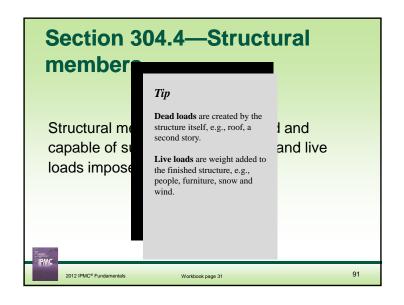


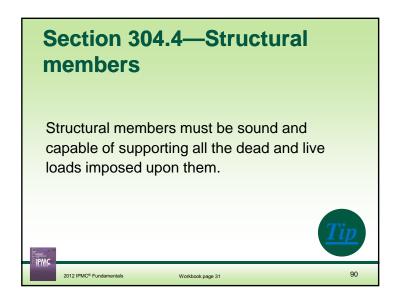
Section 304.1.1—Unsafe conditions Examples of unsafe exterior building conditions include: A structurally-unsound chimney. Wall anchorage that is not capable of resisting nominal loads. An improperly anchored awning or sign. Structurally-unsound stairs. A roof that lets in rain.

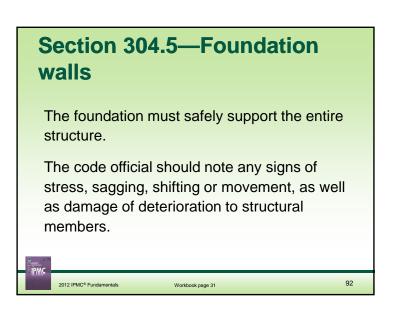
Section 304.2—Protective treatment All siding and masonry joint, windows and doors should be weather-tight. Wood structures require a protective treatment. Metal surfaces subject to rust or corrosion must be treated with a rust inhibitor.

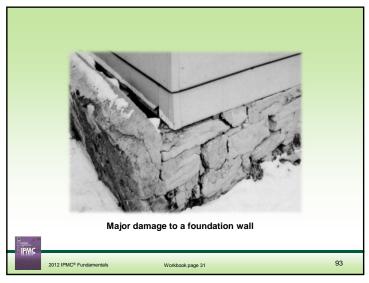






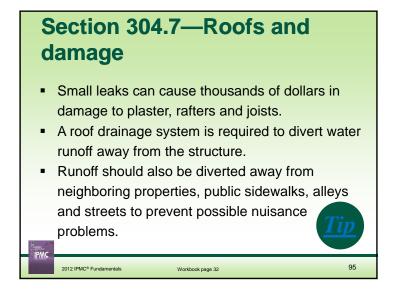


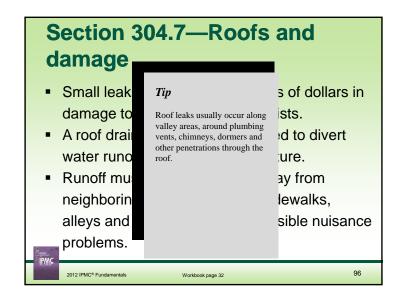




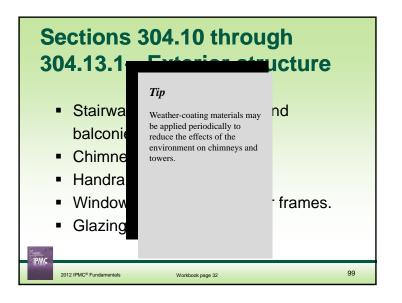


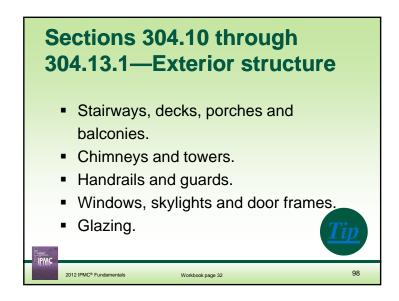
Workbook page 32

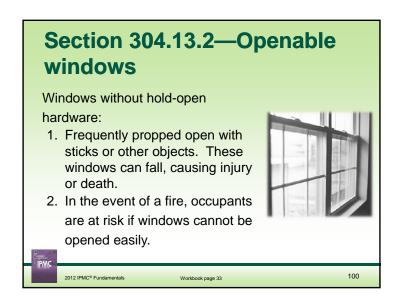


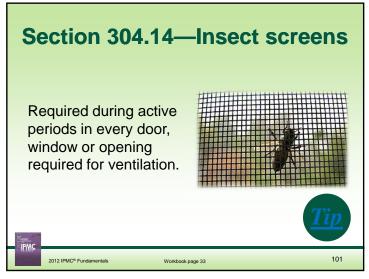


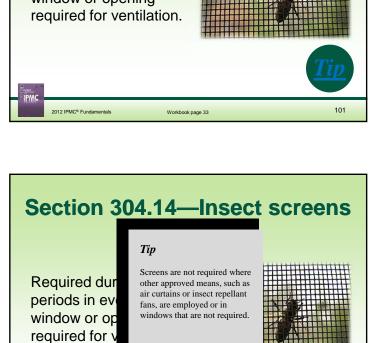










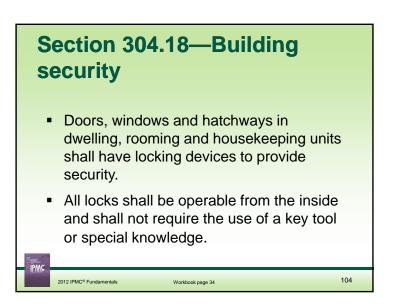


Workbook page 33

Sections 304.15 through 304.17—Exterior structure Doors (Section 304.15). Basement hatchways (Section 304.16). Guards for basement windows (Section 304.17).



102



2012 IPMC® Fundamentals

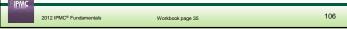
Interior Structure—305 Section 305.1—General

The interior structure must be maintained so that the occupant's health and safety are not adversely affected.

2012 IPMC® Fundamentals Workbook page 34

Section 305.1.1—Unsafe conditions

- Provides for interior conditions that render a structure unsafe.
- These conditions require repair or replacement in compliance with the International Building Code® (IBC®) or the International Existing Building Code® (IEBC®).



Section 305.1.1—Unsafe conditions

Examples of unsafe interior building conditions include:

- Structural members that cannot support nominal loads.
- Improperly anchored floors.
- Structurally unsound stairs or handrails.

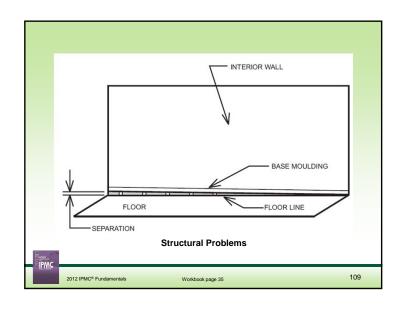


Section 305.2—Structural members

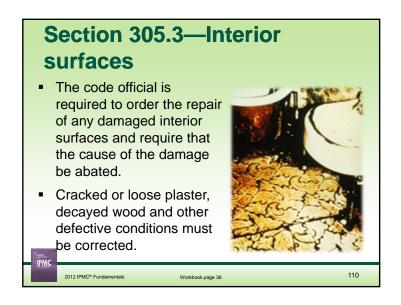
Common construction and repair defects include:

- Undersized structural members that, over time, sag, crack and even collapse.
- Inadequately fastened structural members that loosen and separate from each other.
- Poor-quality construction materials.
- Poorly installed structural members.



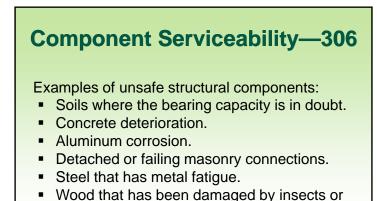






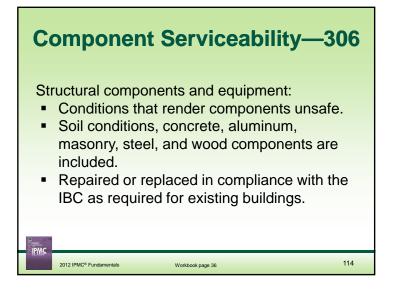


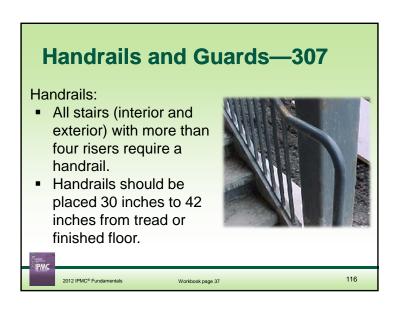


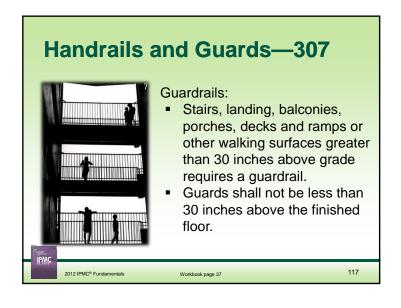


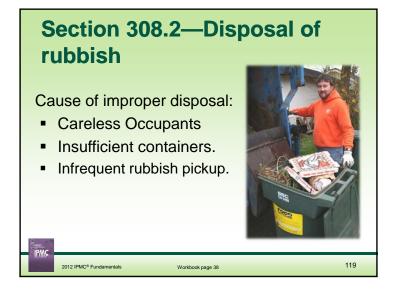


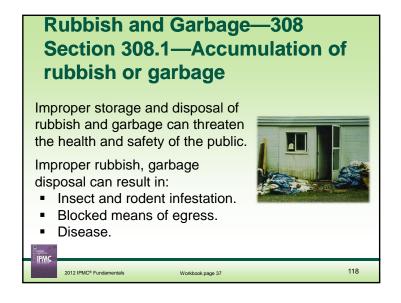
rodents.

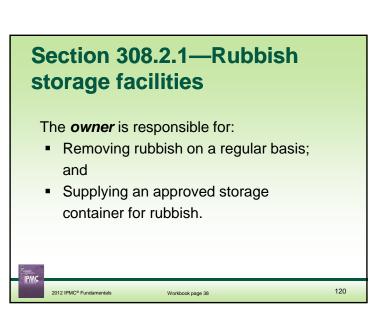




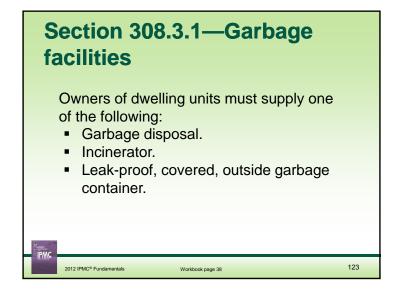


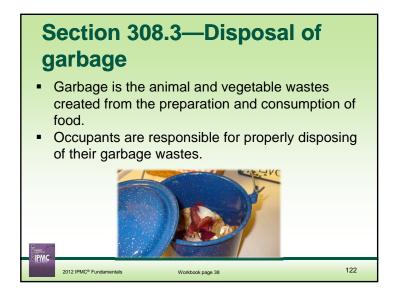




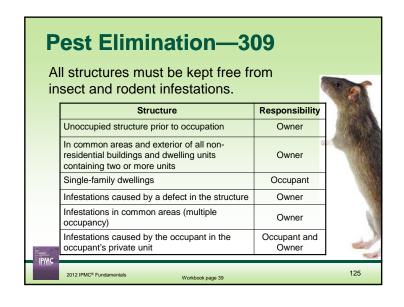


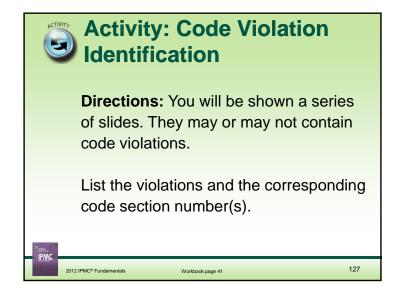


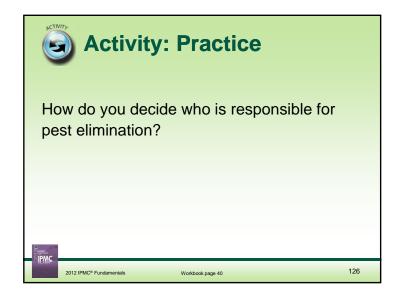






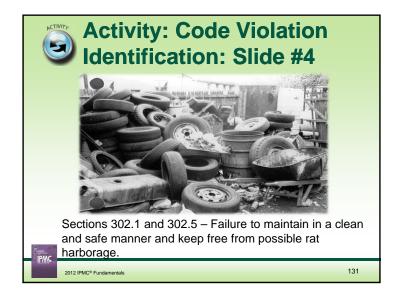


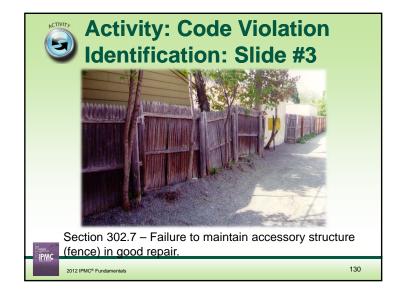


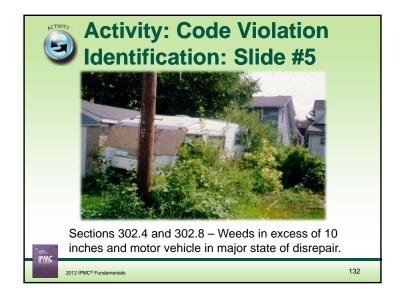


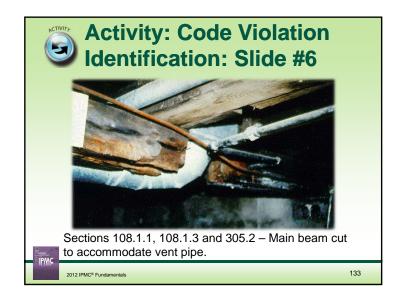




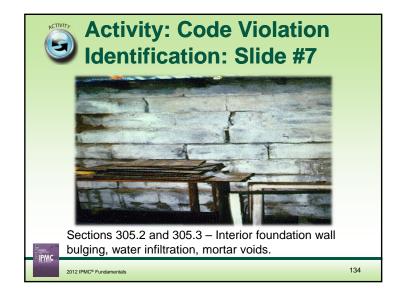


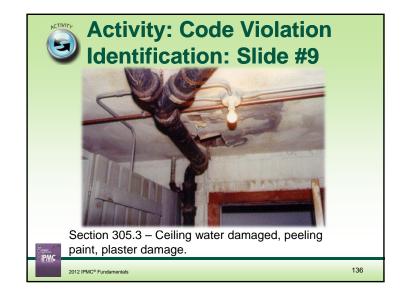


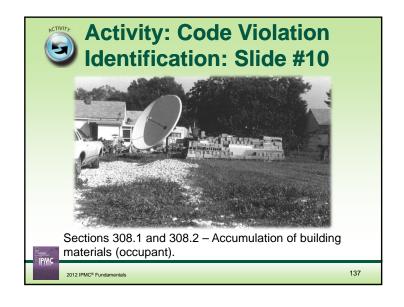


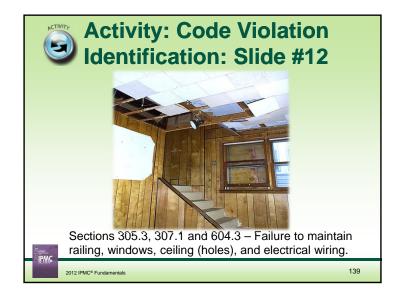




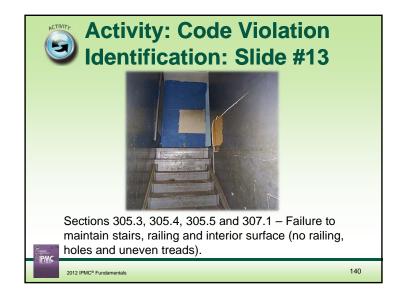














Introduction

This chapter:

- Introduces the appropriate procedures and calculations required when inspecting interior property areas for light, ventilation and occupancy code compliance.
- Addresses the concepts of "borrowed" light and ventilation and the size of location of bedrooms and living rooms.



Module 4
Chapter 4
Light, Ventilation
and Occupancy

Purpose

The purpose of inspecting interior property areas for light, ventilation and occupancy violations is to:

- Protect the safety, health and welfare of the public.
- Provide for private occupancy of the space.
- Provide for the mental health of the building occupants.
- Prevent the spread of communicable disease.

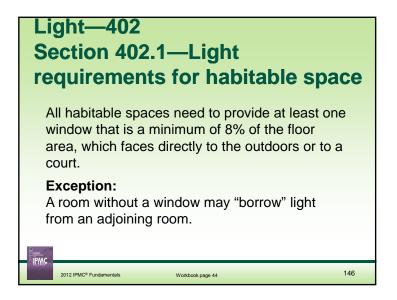


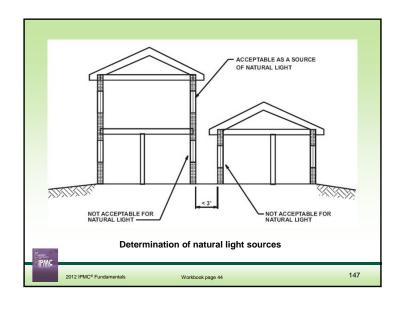
Consequences

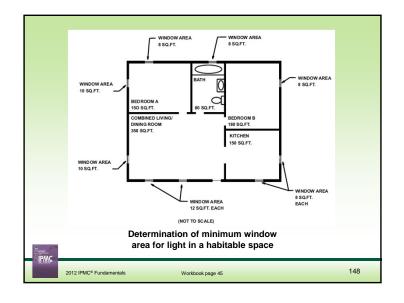
The consequences of not inspecting or inadequately inspecting is:

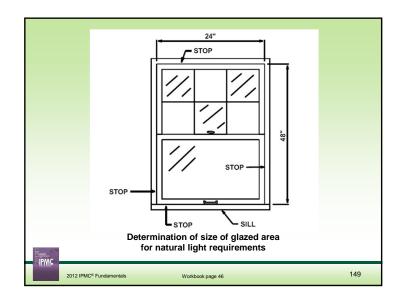
- Accidental injury or death resulting from inadequate lighting sources.
- Spread of disease as a result of poor or improper ventilation.
- Invasion of privacy as a result of overcrowding.

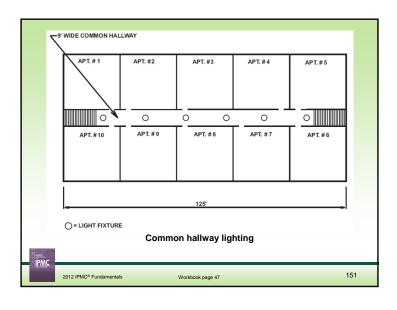


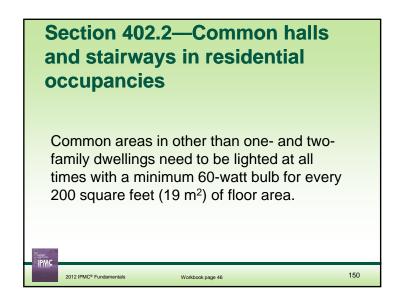




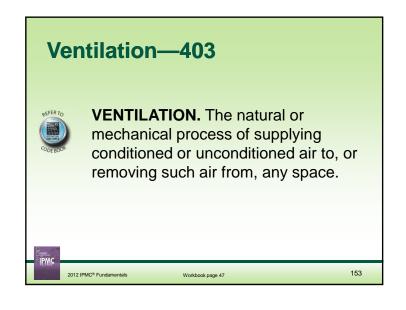




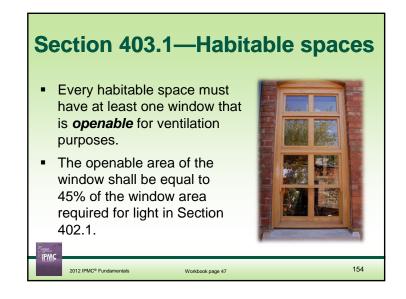














Section 403.5—Clothes dryer exhaust

A clothes dryer's exhaust system needs to be separate from all other systems and exhausted in accordance with manufacturer's instructions.

Exception:

Listed and labeled condensing clothes dryers.

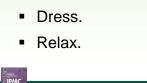




Workbook page 48

Privacy is a fundamental need. Every person needs a space to:

Sleep.





Section 404.2—Minimum room widths

The code establishes a minimum dimension of 7 feet as the narrowest width of all habitable rooms, except for kitchens.

Section 404.3—Minimum ceiling heights

The primary requirement for ceiling height in habitable rooms is **7 feet**.

Exceptions:

- Beams and girders.
- Basement rooms.
- Rooms with a sloped ceiling.



Section 404.4—Bedroom and living room requirements

The size and arrangements of bedrooms contribute to the comfort and safety of occupants. The code establishes minimum sizes for bedrooms and living rooms and restricts certain configurations in regard to bathrooms, means of egress and other habitable rooms.



2012 IPMC® Fundamentals

Vorkbook page 4

161

Section 404.4.2—Access from bedrooms

Bedrooms cannot be the only means of ingress or egress to other habitable spaces.

Exception:

This is acceptable in units fewer than 2 bedrooms.



012 IPMC® Fundamentals

orkhook nage 49

162

Section 404.4.1—Room area

- Every bedroom is required to contain at least 70 square feet (6.5 m²).
- Every living room is required to contain at least 120 square feet (11.2 m²).
- Any number of persons may occupy or sleep in these areas as long as all of the other requirements of this code are met.



2012 IPMC® Fundamentals

Workbook page 49

162

Section 404.4.3—Water closet accessibility

Bathrooms must be accessible without having to pass through another room used as a bedroom.



2012 IPMC® Fundamentals

Workbook page 50

Section 404.4.4—Prohibited occupancy

Kitchens and other nonhabitable spaces cannot be used for sleeping purposes.



Section 404.4.5—Other requirements

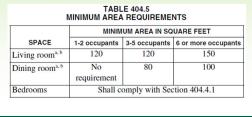
Bedrooms must comply with:

- Ventilation and light (Chapter 4).
- Room area, width and ceiling height (Chapter 4).
- Plumbing and heating facilities (Chapter 5).
- Fire safety issues and emergency escape (Chapter 7).



Section 405.5--Overcrowding

Overcrowding is considered a violation only when the code official believes it creates conditions endangering the health, safety or welfare of occupants.



2012 IPMC® Fundamentals Workbook page 50

Section 404.6—Efficiency unit

An efficiency unit cannot be occupied by more than three persons. It must also have:

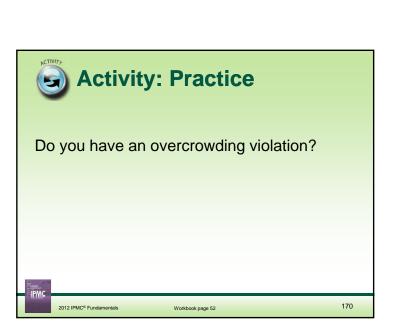
- Minimum square footage for the number of occupants:
 - ➤ 120 square feet (11 m²) for one person.
 - ➤ 220 square feet (20 m²) for two persons.
 - > 320 square feet (29 m²) for three persons.
- A kitchen sink, cooking appliance and a refrigerator.
- A separate bathroom.
- Occupancy by no more than three persons.

Workbook page 51

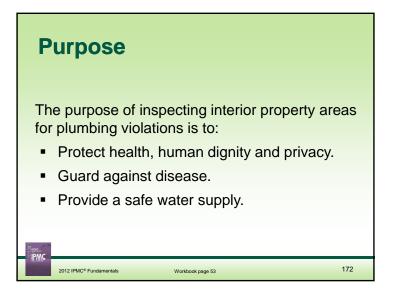


2012 IPMC® Fundamentals

Kitchens must provide a sanitary means for storage of food at appropriate temperatures. Food preparation areas must be provided with garbage disposals or containers that allow temporary storage of garbage and refuse.



Module 5 Chapter 5 Plumbing Facilities and Fixture Requirements



Consequences

The consequences of not inspecting or inadequately inspecting is:

- Invasion of privacy.
- Unsanitary living conditions.
- Spread of disease.



Section 502.5—Public toilet facilities

- Public toilet facilities are to be maintained in a safe sanitary and working condition.
- Public access must be provided to the toilet facilities at all times during occupancy of the premises, except for periodic maintenance or cleaning.



Required Facilities—502

Each dwelling must contain one:

- Water closet.
- Bathtub or shower.
- Lavatory.





Workbook page 54

174

Toilet Rooms—503 Section 503.1—Privacy



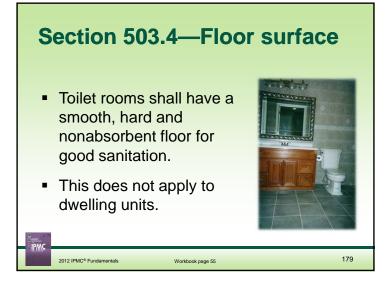
A door and interior lock is required for each water closet compartment in multioccupant or shared bathrooms.



Workbook page 54







Plumbing Systems and Fixtures—504

Defective or leaking plumbing fixtures can:

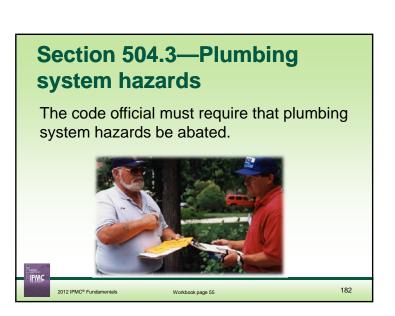
- Contaminate the air with sewer gases.
- Contaminate the water supply.
- Cause deterioration of structural members.



Section 504.2—Fixture clearances

Inadequate clearance can contribute to the spread of disease and odor.

IPMC
2012 IPMC* Fundamentals Workbook page 55 181



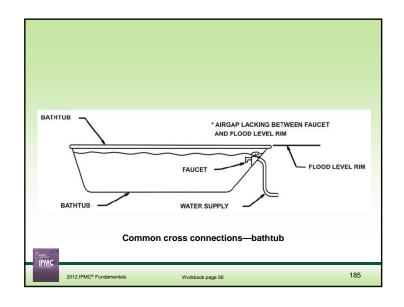
Water System—505 Section 505.1—General Water systems must be capable of providing an adequate and safe supply of hot and cold water.

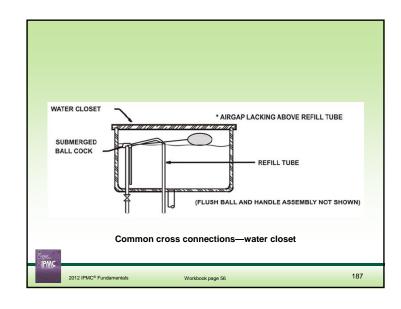
Section 505.2—Contamination

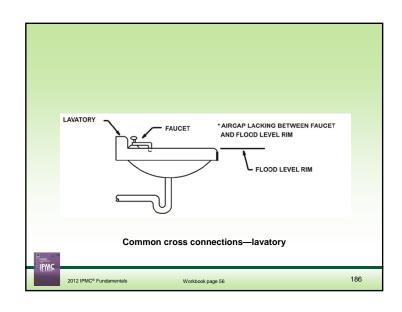
Every potable water system is at risk for contamination by cross-connection and unprotected outlets. Contamination from cross-connections can be prevented by:

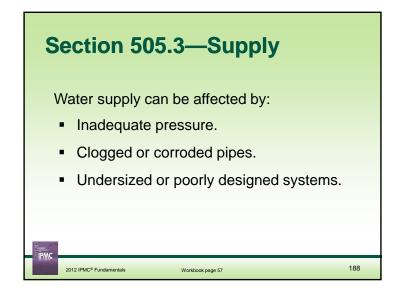
- Providing an air gap between the water outlet and the flood level rim of plumbing fixtures.
- Installing a backflow prevention device or vacuum breaker on outdoor spigots.
- Eliminating the use of hoses in bathtubs and sinks.

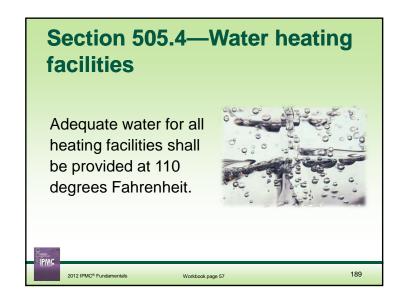
2012 IPMC® Fundamentals Workbook page 56

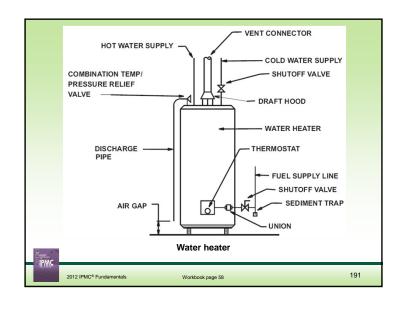




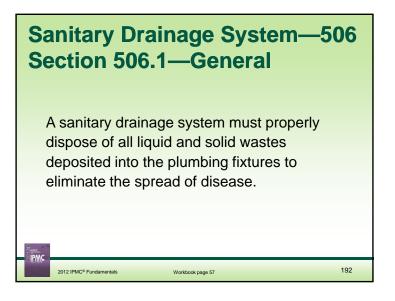


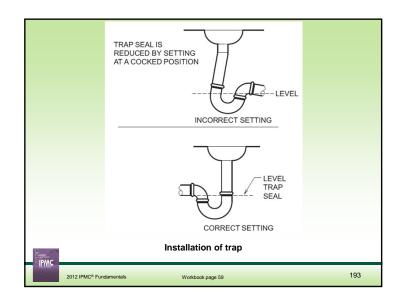


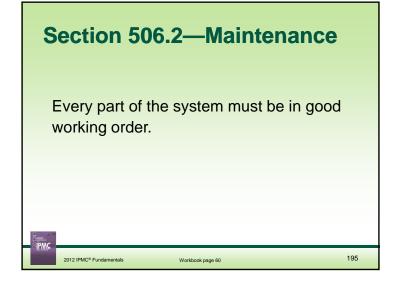


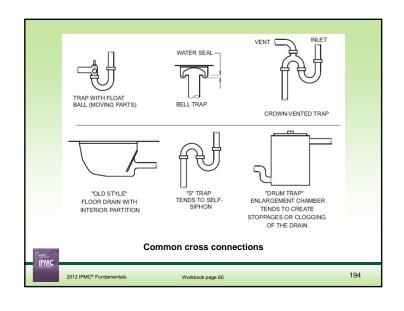


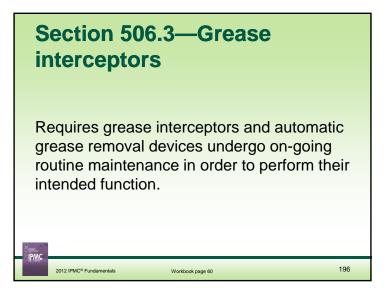
	Applia	Appliance Type	
	Electrical	Fuel Burning	
Inspect electric service for adequacy	Х		
Inspect electrical wiring	Х		
Identify fuel type		х	
Inspect fuel supply piping		х	
Inspect water supply lines	Х	х	
Capability of heating water to minimum of 110°F	: х	х	
Inspect tank	Х	х	
Inspect safety controls:			
- Shut-off valve		х	
- Thermostat	Х	х	
- Pressure/temperature relief valve	Х	х	
- Discharge pipe	Х	х	
Inspect vent pipe:			
- Connection		х	
- Chimney cleanout		х	
- Venting condition		х	
- Vent function		х	
- Production of carbon monoxide		х	
Inspect proximity to combustible materials	Х	х	



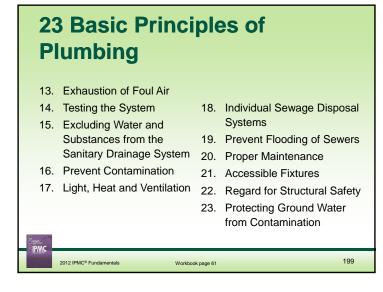


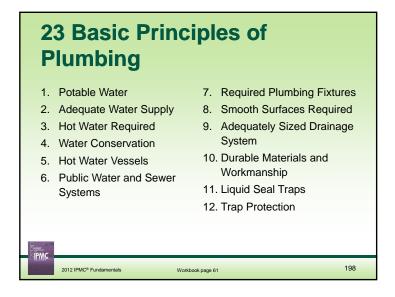


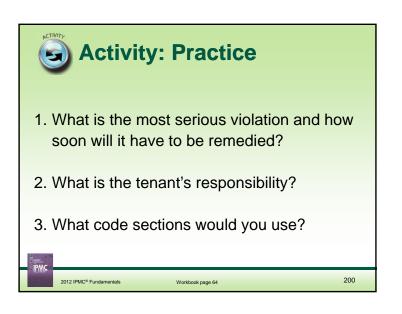


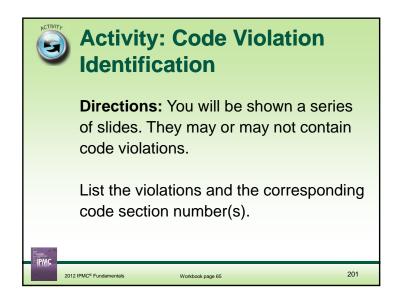


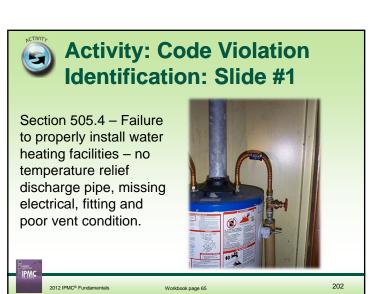


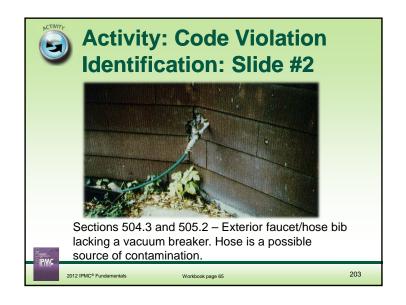


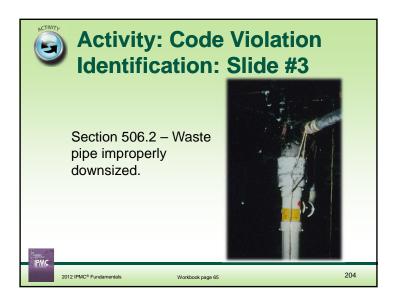


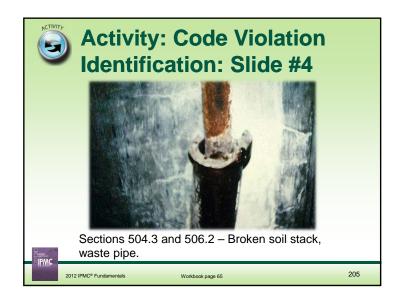


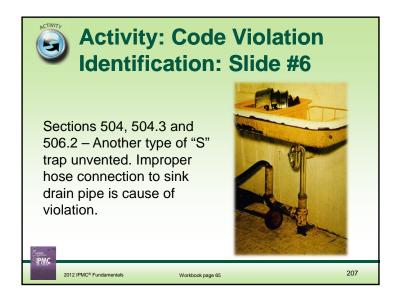


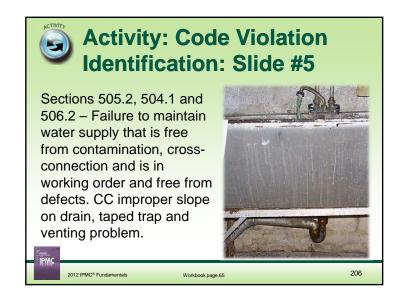


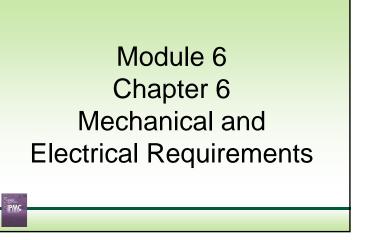












Purpose

The purpose of inspecting interior property areas for mechanical, electrical and fire is to:

- Protect the safety, health and welfare of the public.
- Provide for safe occupancy.
- Verify all mechanical appliances and equipment are in safe, working condition.
- Verify the proper installation and operation of electrical facilities.



Consequences

The consequences of not inspecting or inadequately inspecting can be:

- Injury or death resulting from a fire, explosion or asphyxiation.
- Malfunctioning of appliances, mechanical and electrical facilities.

210

Substandard or hazardous living conditions.



Heating Facilities—602 Section 602.2—Residential occupancies

- Adequate heat is required for health and comfort.
- Inadequately sized, improperly installed, old or faulty systems may not provide the required heat.
- A room temperature of 68°F (20°C) is required in every dwelling.

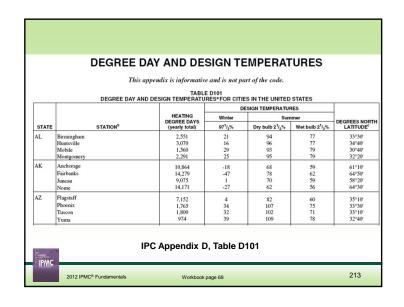


Section 602.2—Residential occupancies

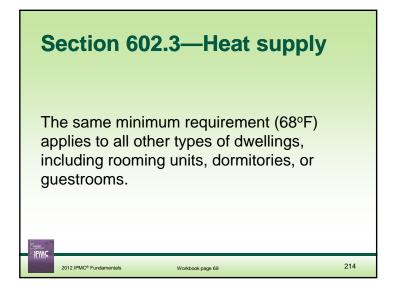
Exceptions:

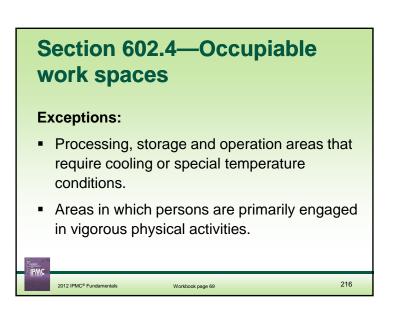
- When the winter outdoor design temperature falls below the outdoor design temperatures listed in Appendix D of the *International Plumbing Code*[®] (IPC[®]).
- In areas where the average monthly temperature is above 30°F (-1°C), a minimum temperature of 65°F (18°C) shall be maintained.

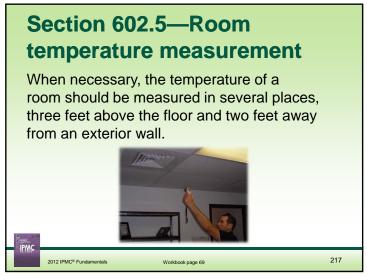


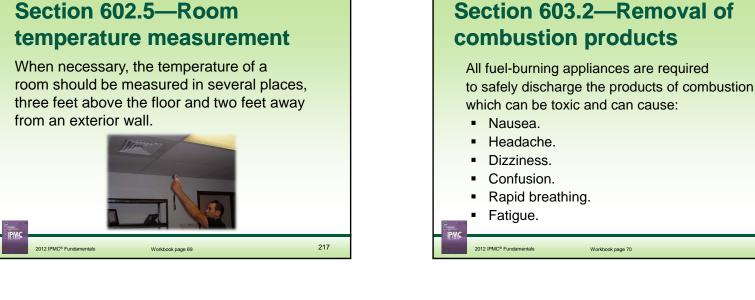


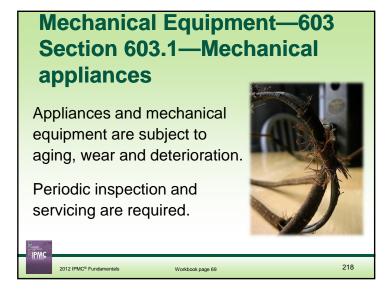












Section 603.3—Clearances Section 603.4—Safety controls Clearances Proper clearances between combustible materials and all heat producing appliances must be maintained to prevent fires. Safety controls All safety controls must be periodically tested, inspected and maintained to verify their reliability.

Workbook page 70

2012 IPMC® Fundamentals

Section 603.5—Combustion air

A lack of combustion air will result in the incomplete combustion of fuel, which in turn causes:

- Soot production.
- Increased carbon monoxide production.
- Serious appliance malfunction.
- Risk of fire or explosion.



Electrical Facilities—604 Section 604.1—Facilities required

- Every occupied building is required to have a compliant electrical system, in accordance with Section 605.
- Reference standard NFPA 70.



Section 604.2--Service

- Every dwelling is required to have a minimum 60 amp, three wire, 120/240 volt main service.
- The code official should evaluate the electrical usage or load.



Section 604.3—Electrical system hazards

Electrical problems range from:

- An inadequate (undersized) system.
- Improper fusing.
- Lack of sufficient receptacles.
- Improperly installed wiring.
- Unprotected wiring.



Section 604.3.1—Abatement of electrical hazards associated with water exposure

- Governs the replacement and repair of electrical systems that have been exposed to water.
- In general, all electrical equipment that has been exposed to water shall be replacement
- Replacement must comply with the International Building Code.



2012 IPMC® Fundamentals

/orkbook page 7

225

Section 604.3.2—Abatement of electrical hazards associated with fire exposure

Electrical switches, receptacles, and fixtures are allowed to be repaired instead of replaced when an inspection report from the equipment manufacturer or approved manufacturer's representative indicates that damage has not been sustained so as to require replacement.



2012 IPMC® Fundamentals

/orkhook nage 73

227

Section 604.3.1—Abatement of electrical hazards associated with water exposure

Repair of certain equipment is allowed (in lieu of replacement) when an inspection report from the equipment manufacturer or approved manufacturer's representative shows that damage has not been sustained so as to require replacement.



012 IPMC® Fundamentals

Workbook page 73

226

Electrical Equipment—605 Section 605.1—Installation

All electrical equipment, wiring and appliances must be properly installed and maintained in a safe and approved manner.



2012 IPMC® Fundamentals

Workbook page 73

Section 605.2--Receptacles

- Every habitable space in a dwelling must be provided with at least two separate receptacle outlets in proper working order.
- Every bathroom must have at least one receptacle outlet. New receptacles shall have GFCI protection.
- Every laundry room is required to have at least one ground receptacle outlet or a receptacle with a ground fault circuit interrupter (GFCI).

IPMS

012 IPMC® Fundamentals

Workbook page 73

229



- Routine safety checks must be made by competent elevator and service technicians.
- Check to see that the most current certificate of inspection is on display or available.

FIPMS

2012 IPMC® Fundamentals

rhook page 74

221

Section 605.3--Luminaires

Luminaries must be provided to illuminate:

- Hallways.
- Stairways.
- Toilet rooms.
- Bathrooms.
- Laundry rooms.
- Kitchens.
- Furnace rooms.



2012 IPMC® Fundamentals

Workbook page 74

230

Duct Systems—607

- Duct systems accomplish the transfer of fresh or condition air from one area to another.
- Duct systems shall be maintained free of obstructions and shall be capable of performing the required function.



PMS 201

2012 IPMC® Fundamentals

Workbook page 75

Module 7 Chapter 7 Fire Safety Requirements



Purpose

The purpose of inspecting interior property areas for fire compliance is to:

- Protect the safety, health and welfare of the public.
- Provide for protection from fire.



Fire Safety

The code provides a minimum level of fire protection for existing structures; however, it is not a replacement for the enforcement of a fire prevention code.

Protection from fire requires evacuation or relocation of the occupants of a building to a place of safety via a *means of egress*.

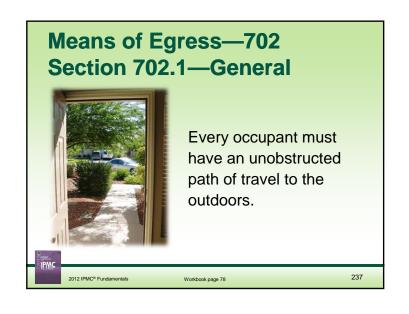


Consequences

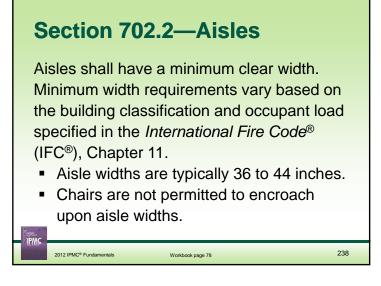
The consequences of not inspecting or inadequately inspecting for fire safety can be:

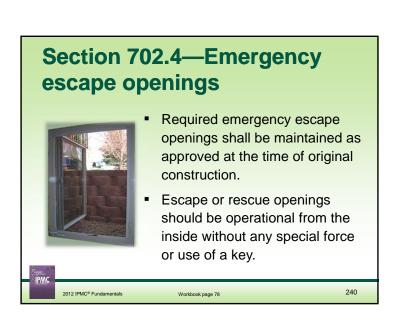
- Injury or death resulting from a fire, explosion or asphyxiation.
- Substandard or hazardous living conditions.

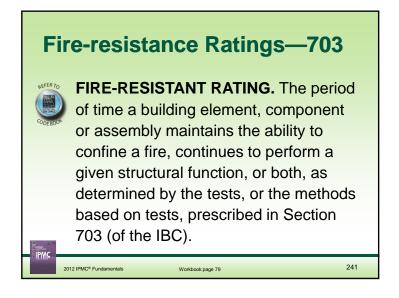




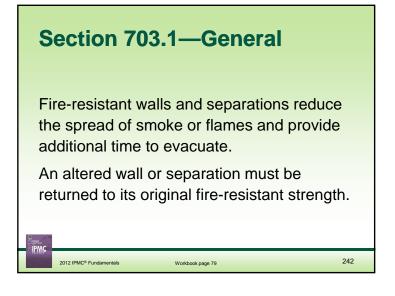


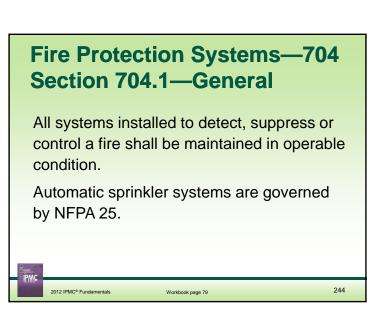


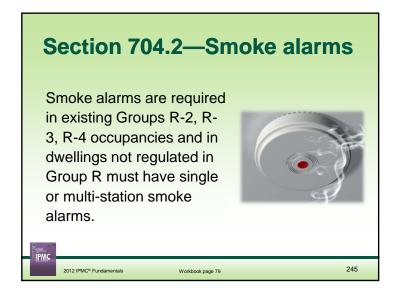


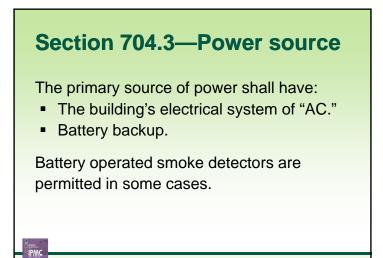




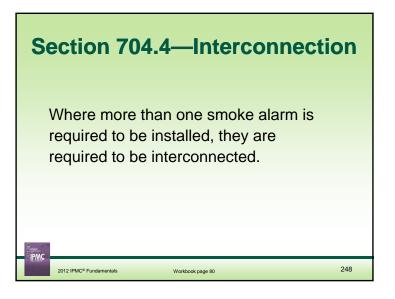


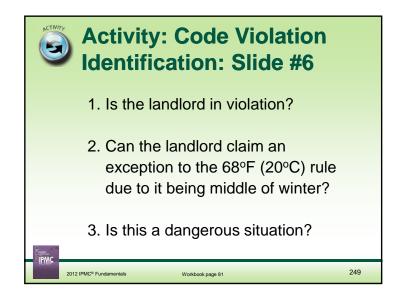




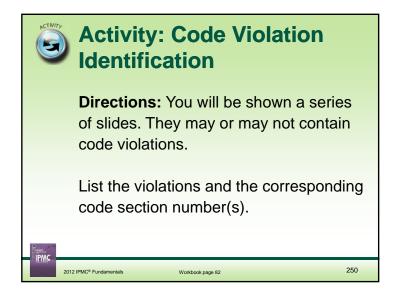


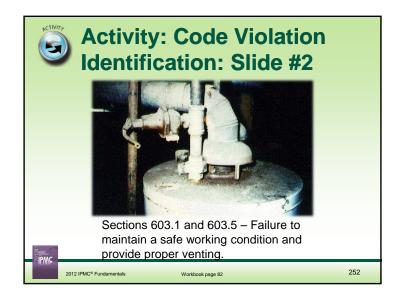
Smoke alarms are required: On the ceiling or wall outside sleeping areas. In every sleeping room. On every story of a dwelling, including basements.

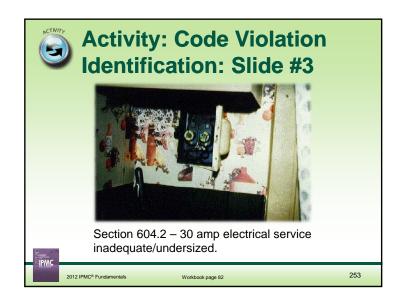




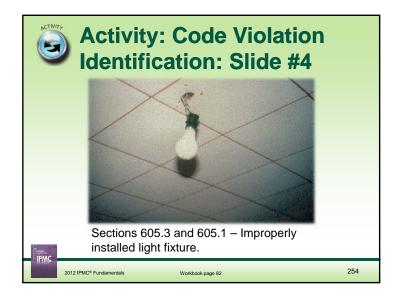


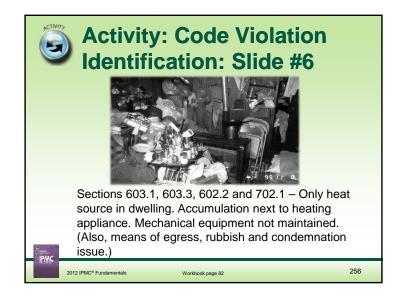












Module 8 Appendix A Boarding Standard



Consequences

Some consequences of improper boarding of structures include:

- Injury or death of children nonabatement of attractive nuisance.
- Use of property by criminals or vagrants.
- Further property damage by vandals.



Purpose

- Have windows and doors boarded in an approved manner.
- Prevent unauthorized entry.



Please Note

The provisions of Appendix A are not mandatory unless they are specifically referenced in the adopting ordinance of the authority having jurisdiction.



Section A102—Materials

- The boarding sheet material can be no less than ½-inch (12.7 mm) thick wood structural panels.
- Boarding framing material is required to be a minimum nominal 2-inch by 4-inch (51 by 102 mm) solid sawn lumber.
- Boarding fasteners are required to be a minimum of 3/8-inch (9.5 mm) diameter carriage bolts.
- All materials must comply with the IBC.



012 IPMC® Fundamentals

Vorkbook page 83

261

Windows

- The 2 x 4 framing material has to be cut a minimum of 2 inches wider than the window opening.
- The framing material must be placed in the inside of the window opening and can be no less than 6 inches above the bottom and below the top of the window opening.
- Both the framing and the boarding must be predrilled.



2012 IPMC® Fundamentals

orkhook nage 83

263

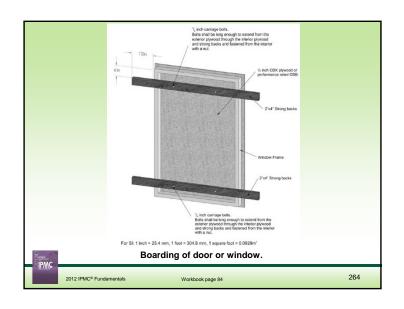
Section A103—Installation

- The boarding sheet is required to fit the door or window opening neatly or provide equal overlap at the door/window perimeter.
- The same method can be used to secure doors that used to secure windows or door openings.
- For authorized entry, one door must be made available; this door is required to be secured in an approved manner.



2012 IPMC® Fundamentals

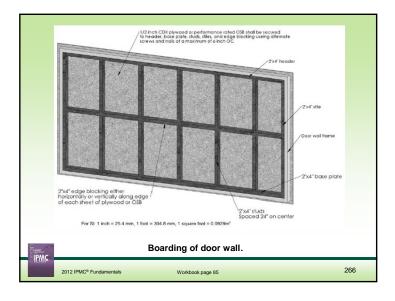
Workbook page 83



Door Walls

- The framing material must be secured at the entire perimeter and vertical members no greater than 24 inches (610 mm) on center.
- Blocking cannot be more than 48 inches (1219 mm) on center.
- The sheeting material is required to be secured with screws and nails alternating every 6 inches (152 mm).





Questions and Answers



International Code Council is a Registered Provider with The American Institute of Architects Continuing Education Systems. Credit earned on completion of this program will be reported to CES Records for AIA members. Certificates of Completion for non-AIA members are available on request.

This program is registered with the AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product. Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.



Copyright Materials

This presentation is protected by US and International Copyright laws. Reproduction, distribution, display and use of the presentation without written permission of the speaker is prohibited.

© International Code Council 2012



Thank you for participating

To schedule a seminar, contact:

The ICC Training & Education Department

1-888-ICC-SAFE (422-7233) Ext. 33818

Or

E-mail: icctraining@iccsafe.org

