

Seminar Content

- This seminar introduces participants to the key changes from the 2009 IMC to the 2012 IMC.
 - Participants will discuss the changes and reasons for the changes.
 - Participants will apply these code requirements to the design, plan review and/or inspection process.



Description

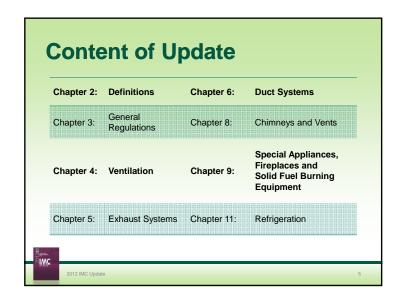
- The 2012 International Mechanical Code® (IMC®) code changes help resolve common interpretation problems and provide clarity of the content.
- The scope of the IMC continues to include the initial design of mechanical systems through the installation and construction phases, and into the maintenance of operating systems

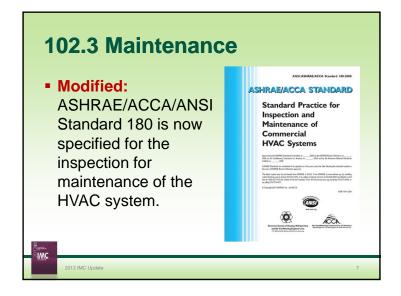


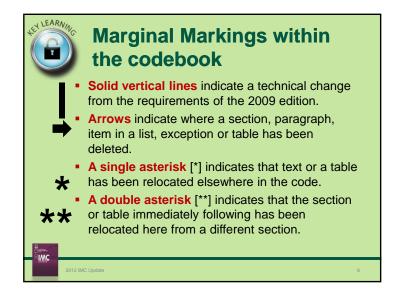
Goal

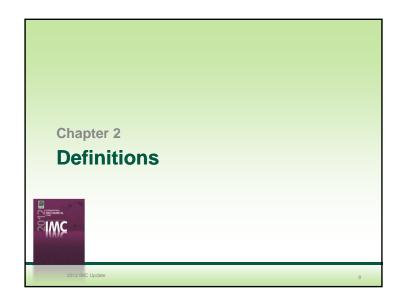
 Participants will be able to use this document to identify key changes from the 2009 IMC to the 2012 IMC, allowing them to apply these code requirements to design, plan review and/or inspection.

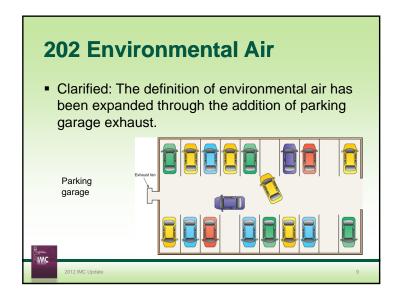














Type of Change **New**

Third-party Testing

Means that a manufactured item (product) is tested one time by an independent laboratory to verify that the product conforms to the applicable standards.

The manufacturer provides for this verification.



2012 IMC Update

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Section 202

Type of Change Modification

Environmental Air

This expanded definition of environmental air will provide guidance in the determination of where a parking garage exhaust system must terminate based on the requirements of Section 501.3.1 in the IMC.

MS 2012 IMC Update

Section 202 General Definitions

Type of Change New

Third-party Certified

Certification obtained by the manufacturer indicating:

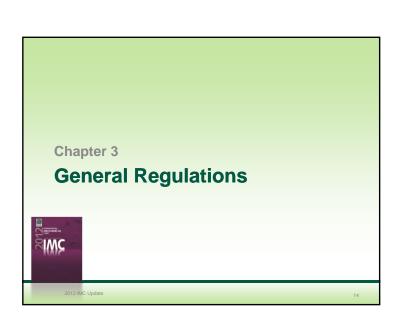
- Function and performance characteristics of a product or material
- Testing and ongoing surveillance used in their determination
- Approved third-party certification agency performed testing

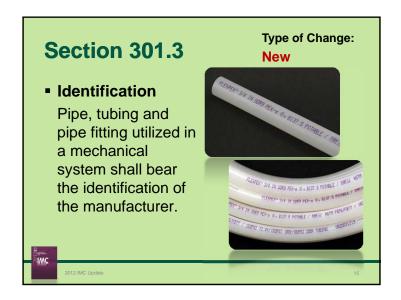


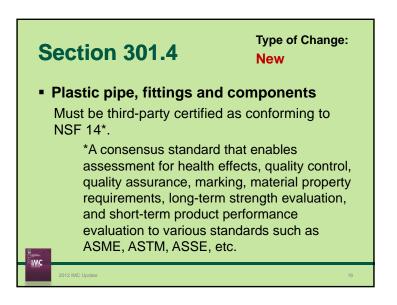
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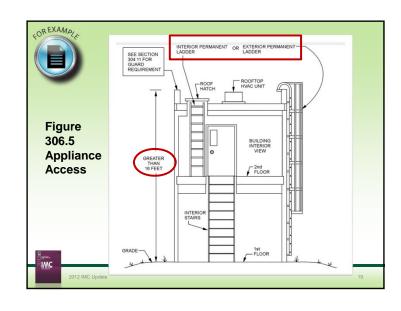
Section 202 General Type of Change New • Third-party Certification Agency • Approved organization • Independent of the manufacturer • Qualified to perform product testing, assessment and surveillance • Uses nationally recognized standards

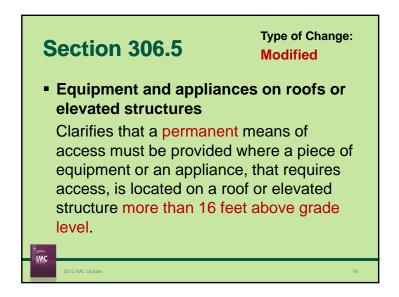


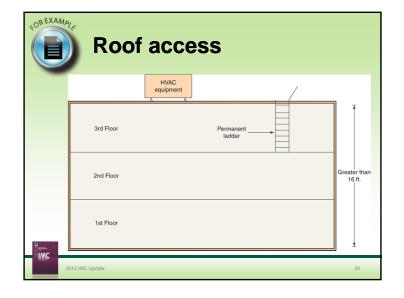


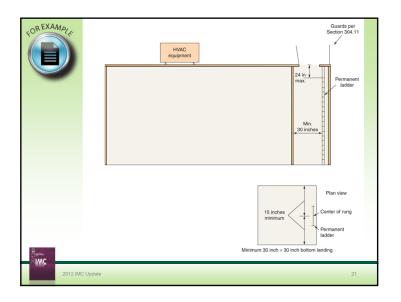


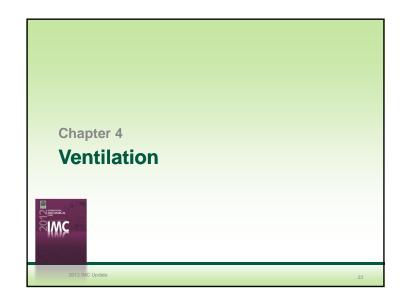




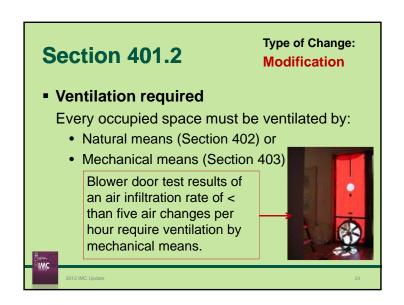




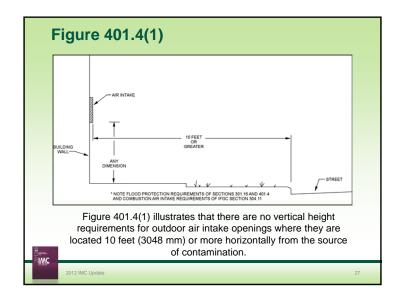


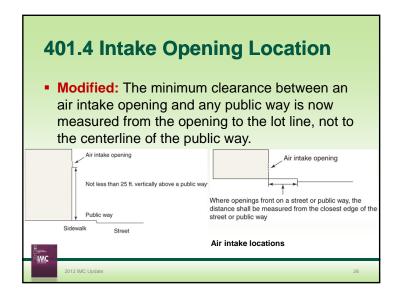


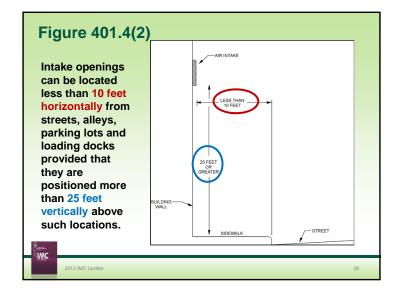




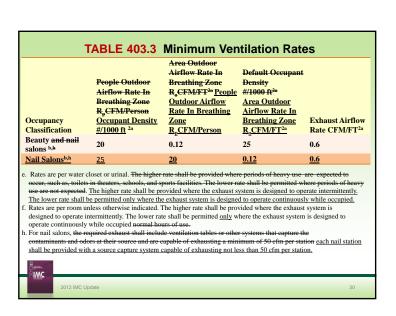
Section 401.4 Intake opening location Intake openings must be located a minimum of 10 feet (3048 mm) from lot lines or buildings on the same lot. Where openings front on a street or public way, the distance shall be measured from the closest edge of the street or public way.











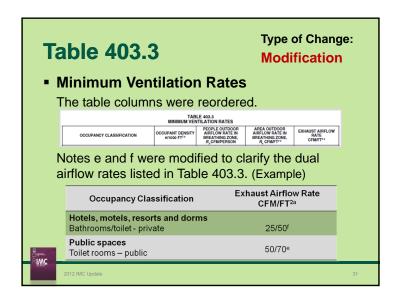
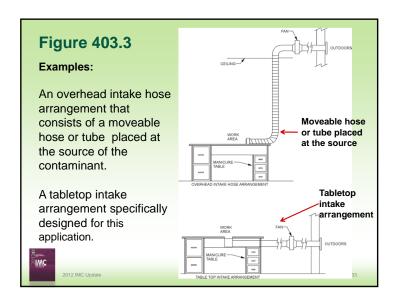
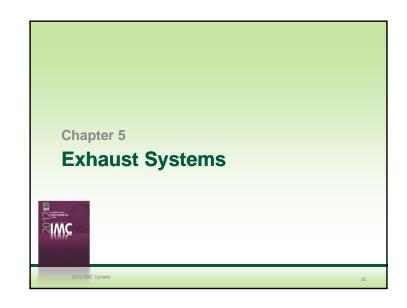
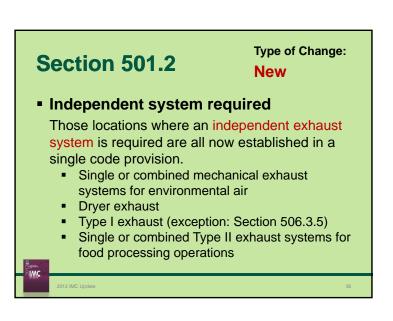


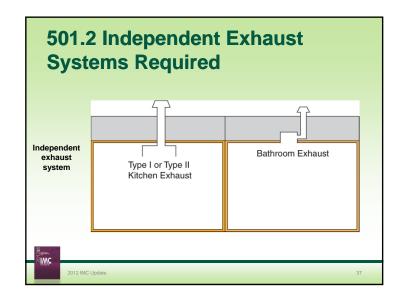
Table 403.3 Modification Minimum Ventilation Rates Note h was modified to clarify that for nail salons, each nail station shall be provided with a source capture system capable of exhausting not less than 50 cfm per station. Source capture systems are mechanical exhaust systems that capture manicuring vapors, mists, and dusts at the source and expel to the outdoors.

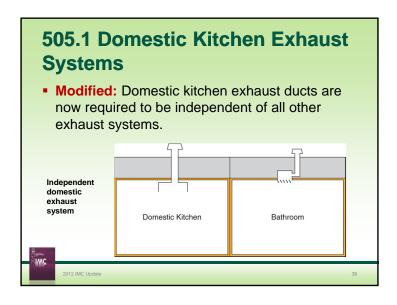






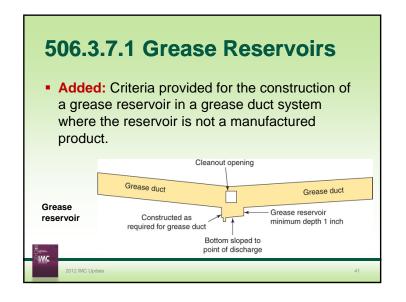


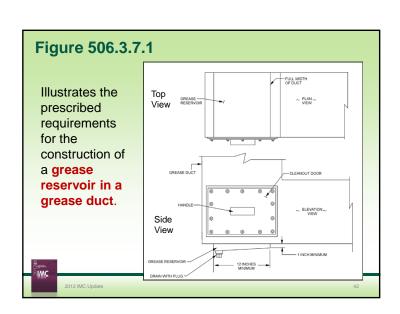




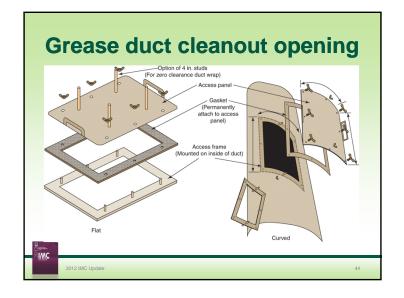
Type of Change: Modification • Domestic systems Dwelling unit kitchen appliances equipped with downdraft exhaust must: • Discharge to the outdoors through sheet metal ducts • Constructed of galvanized steel, stainless steel, aluminum or copper • Have smooth inner walls, • Are air tight • Equipped with a backdraft damper • Be independent of all other exhaust systems.

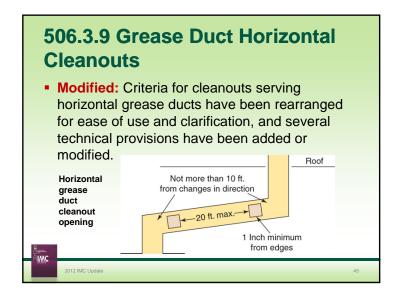
Section 506.3.7.1 Type of Change: New Grease reservoirs Previous editions of the IMC have required a grease duct to be sloped toward an approved grease reservoir but there have never been any provisions to address how a grease reservoir should be constructed.

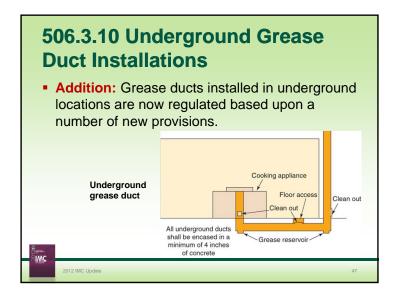




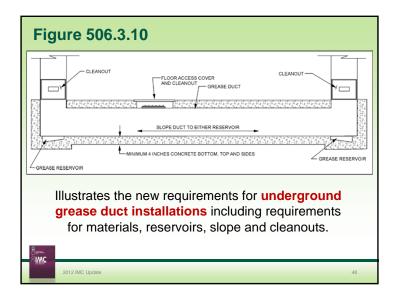
506.3.8 Grease Duct Cleanouts and Other Openings In addition to the reformatting of previous criteria for grease duct cleanouts, gasket and sealing materials on grease duct cleanout doors must now be rated at a minimum of 1500°F.

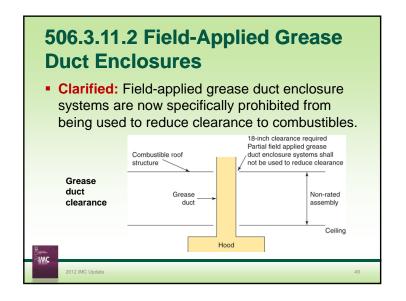




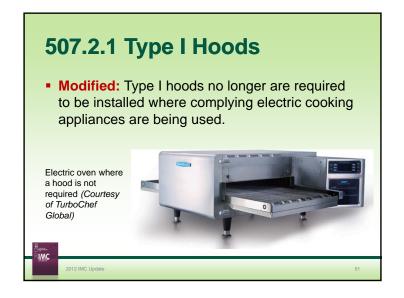


Section 506.3.10 Type of Change: New Underground grease duct installation Provides prescriptive requirements on the installation of the underground grease ducts used for table top cooking. For example, new provisions require: Encasing underground grease ducts in at least 4 inches of concrete. Mandate that cleanouts be provided at the locations of reservoirs.





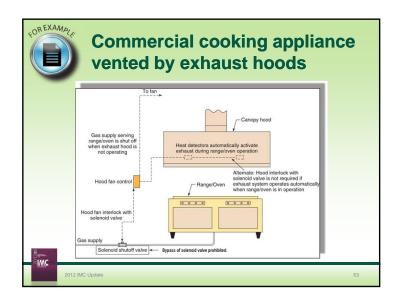


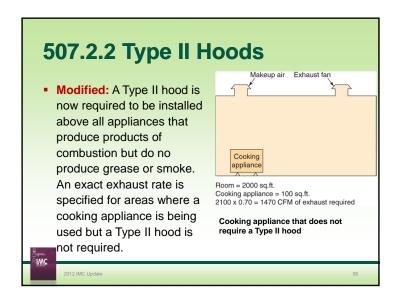


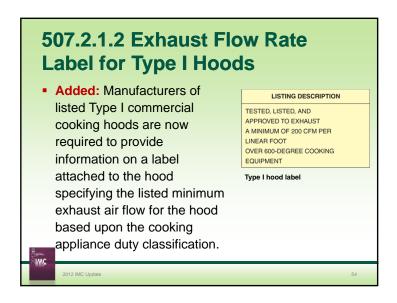
507.2.1.1 Operation of Type I Hoods

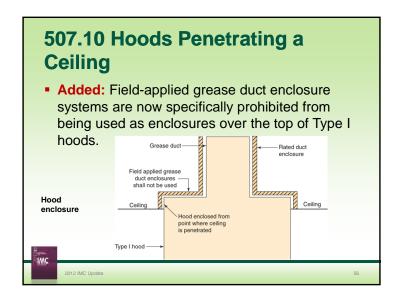
 Modified: A method is now required to keep the pilot burner on a gas cooking appliance from being extinguished when the kitchen exhaust fan interlock shuts off appliances.

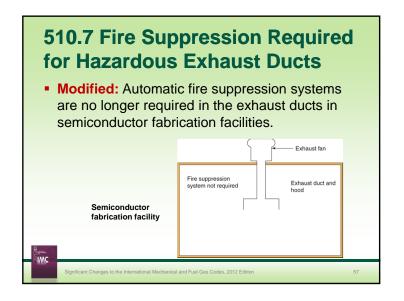


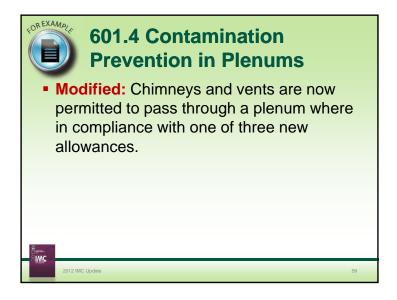


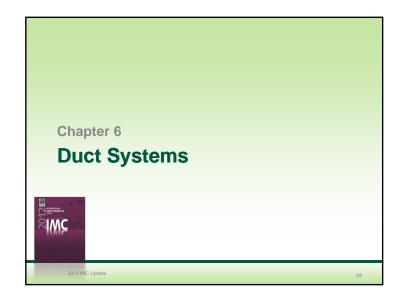


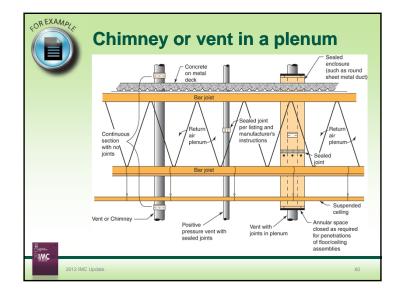


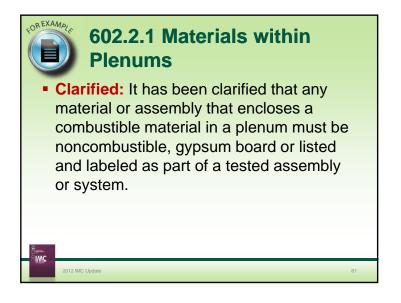


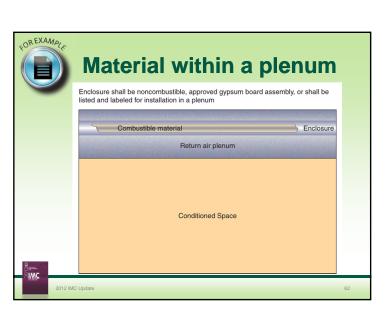


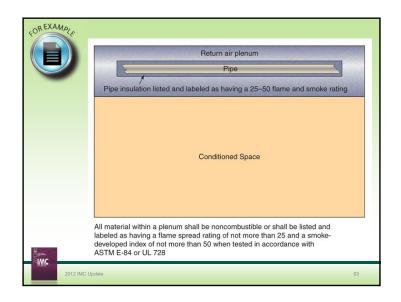


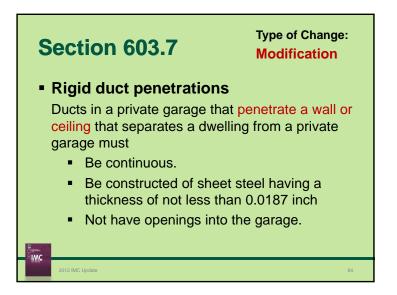


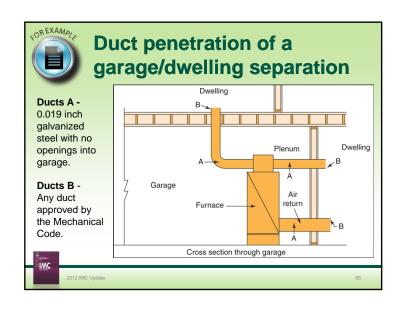


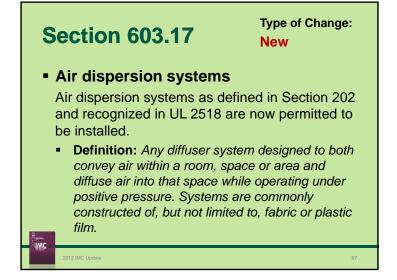










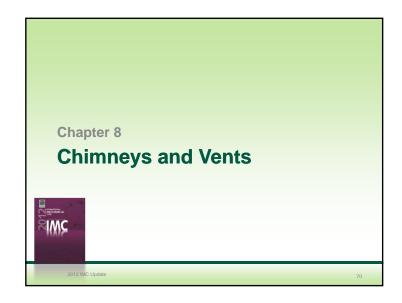


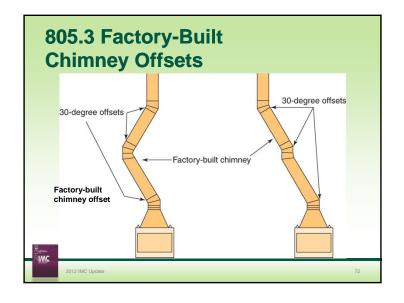


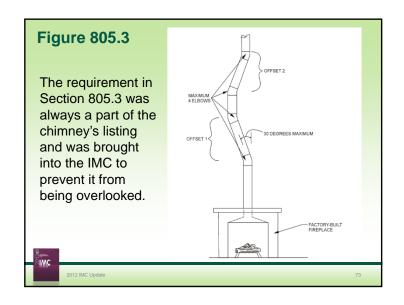


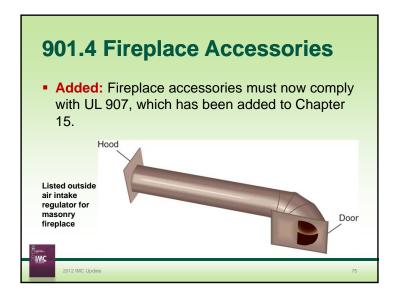




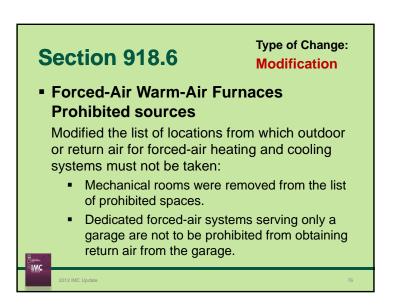


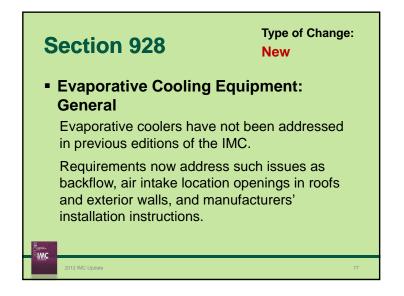


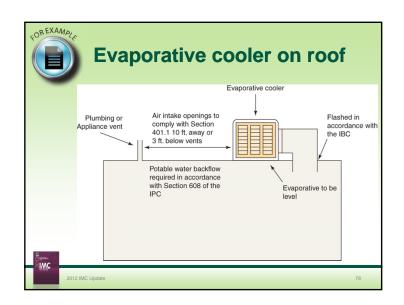


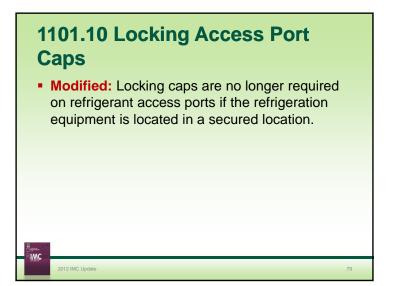


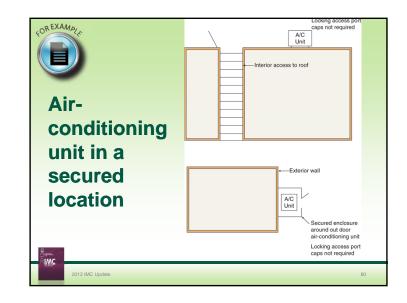


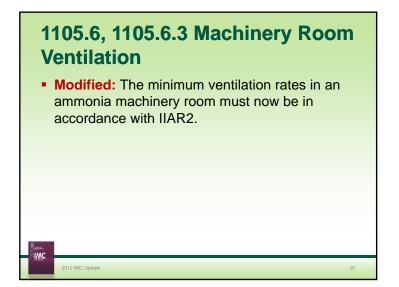


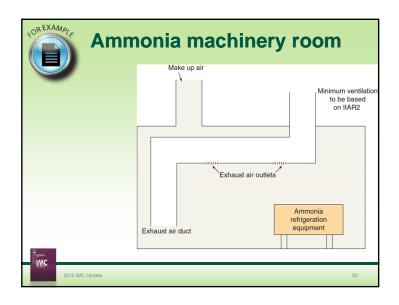












1106.4 Flammable Refrigerants

• Modified: The ventilation requirements of Section 1106.3 for ammonia machinery rooms are now mandatory in order to be exempted from the Class 1, Division 2 hazardous locations requirements of NFPA 70.



2012 IMC Update

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