

# ***Analysis of Changes for the 7<sup>th</sup> Edition (2020) Florida Building Code***

## ***Changes to the Florida Building Code, Building***

This *Analysis of Changes for the 7<sup>th</sup> Edition (2020) of the Florida Building Code* is intended to provide a comprehensive comparison of the provisions in the *6<sup>th</sup> Edition (2017) Florida Building Code, Building* (FBCB) and the *7<sup>th</sup> Edition (2020) Florida Building Code, Building*. The 6<sup>th</sup> Edition (2017) FBCB is the base code for the *7<sup>th</sup> Edition (2020) FBCB*. The model code used to update the *7<sup>th</sup> Edition (2020) FBCB* is the *2018 International Building Code* (IBC). However, not all changes in the 2018 IBC are included in the *7<sup>th</sup> Edition (2020) FBCB*. As a result of changes from the 2018 IBC and Florida-specific amendments, certain provisions and criteria of the code have changed. This *Analysis* will serve as a useful tool to facilitate the transition to the new code.

This *Analysis* is arranged so that comparable provisions in the two codes can be easily located. The left two columns contain section numbers and a brief overview of the corresponding requirements from the *6<sup>th</sup> Edition (2017) FBCB*. The next two columns contain section numbers and a brief overview of the corresponding requirements in the *7<sup>th</sup> Edition (2020) FBCB*. The far-right column contains a brief analysis or comment on the differences between the provisions.

This *Analysis* is not intended to replace or interpret the provisions contained in either the *6<sup>th</sup> Edition (2017)* or the *7<sup>th</sup> Edition (2020) FBCB*. This information simply points out the differences. The *Analysis* is not designed to be used without the aid of the representative code books, as all the details pertaining to a specific section may or may not be provided. However, this *Analysis* will provide an easy means for identifying differences in the two codes, as well as enabling the user to locate issue specific provisions in the *7<sup>th</sup> Edition (2020) FBCB* by means of a numbered section cross reference.

This *Analysis* provides a cross-reference for most of the sections that changed in the *7<sup>th</sup> Edition (2020) FBCB*. In some cases, sections were grouped together due to substantial differences. This grouping enables the extent of the differences to be more readily identified.

Notable changes deemed to be the most significant or to have the greatest impact have been highlighted in **yellow**.

**Note:** Seismic loading and snow loading provisions in the code are not reserved (deleted) in the *7<sup>th</sup> Edition (2020) FBCB*, even though they do not apply in the State of Florida. While there are changes to some of these sections and provisions, they are not shown here in this *Analysis* because they do not apply to construction in the State of Florida.

| 6 <sup>th</sup> Edition (2017) FBCB |                                  | 7 <sup>th</sup> Edition (2020) FBCB |  | Analysis  |
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| Section                             | Requirement                      | Section                             | Requirement  |   |
| <b>Chapter 1: Administration</b>    |                                  |                                     |  |   |
| 105.5                               | Reserved                         | 105.5                               | Additional options for closing a permit                      | In accordance with Section 553.79(15), Florida Statutes, new language has been added to the code establishing conditions for which a building permit may be closed (conditions of the permit satisfied) by the property owner.  |
| 105.6                               | Denial or revocation of a permit | 105.6                               | Denial or revocation of a permit                             | In accordance with Section 553.79(16), Florida Statutes, new language has been added affirming that a permit cannot be denied to a property owner where a building permit applied for by a previous owner of the property was not closed. Additionally, a contractor cannot be denied a permit solely because the contractor is listed on other building permits that are not closed. |
| -                                   | -                                | 107.2.5                             | Exterior balcony and elevated walking surfaces               | New section requires that where balconies or other elevated walking surfaces are exposed to water from direct or blowing rain, snow, or irrigation and the structural framing is protected by an impervious moisture barrier, the construction documents must include details for all elements of the impervious moisture barrier system.   |
| 110.1                               | General (inspections)            | 110.1                               | General (inspections)  | Clarification of terms by changing "accessible" to "provided with access."  |
| 110.3                               | Required inspections             | 110.3                               | Required inspections   | New language added specifically requiring in-progress inspections of exterior wall coverings and soffits.   |
| -                                   | -                                | 110.3.6                             | Exterior balcony and elevated walking surfaces (inspections) | New section requires that where balconies or other elevated walking surfaces are exposed to water from direct or blowing rain, snow, or irrigation and the structural framing is protected by an impervious moisture barrier, that all elements of the impervious moisture barrier system have to be  |

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|                               |  |         |  | inspected and approved before being concealed.  |
| 110.8.1                       | Threshold buildings (scope)                        | 110.8.1 | Threshold buildings (scope)                        | Section has been revised to clarify that the threshold building inspections required by Section 110.8 also apply to repair or restoration projects in which the structural system or structural loading of a building is being modified, as well as new construction. |
| <b>Chapter 2: Definitions</b> |  |         |  |   |
| 202                           | Definitions: Autoclaved aerated concrete (AAC)     | -       | -  | Definition deleted.   |
| 202                           | Definitions: Change of occupancy                   | 202     | Definitions: Change of occupancy                   | Definition revised to clarify that change of occupancy specifically includes a change of occupancy classification and a change from one group to another group within an occupancy classification.  |
| -                             | -  | 202     | Definitions: Children's play structure             | New definition added for a term used in the code.   |
| -                             | -  | 202     | Definitions: Combined pile raft                    | New definition added for a common deep foundation.  |
| 202                           | Definitions: Common path of egress travel          | 202     | Definitions: Common path of egress travel          | Definition revised to clarify that common path of egress travel and exist access travel distance are measured the same way. While the terminus of each is different, the route is the same.   |
| 202                           | Definitions: Conventional light-frame construction | 202     | Definitions: Conventional light-frame construction | Editorial corrections to change "A type of construction" to "Construction."   |
| -                             | -  | 202     | Definitions: Delayed action closer                 | New definition added to address a type of closer that would allow time for occupants to pass through a door before closing.   |
| 202                           | Definitions: Drilled shaft                         | 202     | Definitions: Drilled shaft                         | Definition revised to clearly delineate from auger-cast piles.  |
| -                             | -  | 202     | Definitions: Existing building                     | New definition of existing building added for consistency with the Florida Building Code, Existing Building.  |
| 202                           | Definitions: Existing structure                    | 202     | Definitions: Existing structure                    | Definition revised to be consistent with the definition of existing structure in the Florida Building Code, Existing Building.  |
| -                             | -  | 202     | Definitions: Exterior elevated flooring system     | New definitions added to correlate with new Section 3115 that addresses construction of   |

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|     |   |     | Attached systems<br>Independent systems<br>Accessory components<br>Pedestals<br>Pedestrian deck panels or pavers | exterior elevated flooring systems. These systems are typically installed on roofs of buildings for entertainment purposes but can be installed on other structures such as exterior decks.  |
| 202 | Definitions: Fenestration                     | 202 | Definitions: Fenestration  | The definition of fenestration has been revised to address the most distinguishing characteristics of that product type. A new definition of vertical fenestration has been added to clearly distinguish vertical fenestrations from skylights and sloped glazing. |
|     |   |     | Definitions: Fenestration, vertical  |  |
| 202 | Definitions: Continuous gas detection system  | 202 | Definitions: Gas detection system  | A new, more generic definition of gas detection system replaces the definition for continuous gas detection system. Continuous gas sampling is now addressed in Section 916.7.   |
| 202 | Definitions: Light-frame construction         | 202 | Definitions: Light-frame construction  | Editorial corrections to change “A type of construction” to “Construction.”  |
| 202 | Definitions: Low-energy power-operated door   | 202 | Definitions: Low-energy power-operated door  | Definition revised to clarify that sliding or folding doors can also be low-energy power-operated doors.   |
| 202 | Definitions: Lowest floor                     | 202 | Definitions: Lowest floor  | Editorial change for consistency with the Florida Building Code, Residential.  |
| -   | -   | 202 | Definitions: Open-air assembly seating   | New definition added intended to make the distinction between smoke-protected assembly seating and outdoor smoke-protected assembly seating.   |
| 202 | Definitions: Plastic composite                | 202 | Definitions: Plastic composite   | Definition revised to add the term similar materials for what qualifies as a plastic composite.  |
| 202 | Definitions: Private garage                   | 202 | Definitions: Private garage  | Definition revised to clarify that private garages can also be used by the owner of the building as well as the tenant.  |
| 202 | Definitions: Sleeping unit                    | 202 | Definitions: Sleeping unit   | Definition revised to clarify that a sleeping unit would also apply to suites as well as a single bedroom.   |
| 202 | Definitions: Smoke-protected assembly seating | 202 | Definitions: Smoke-protected assembly seating  | Definition revised to clarify that smoke-protected assembly seating applies for a  |

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|  |  |       |  | specified design time by means of a passive design or by mechanical ventilation. Intended to make a distinction from open-air assembly seating.  |
| -  | -  | 202   | Definitions: Soft contained play equipment structure | New definition added for a term used in Section 424.   |
| 202  | Definitions: Substantial structural damage | 202   | Definitions: Substantial structural damage           | Definition revised to change Item 2 of the definition from components that "support" more than 30 percent of the total area of the structure's floors and roof to components that have a "tributary area" more than 30 percent of the total area of the structure's floors and roof. |
| 202  | Definitions: Swimming pool                 | 202   | Definitions: Swimming pool                           | Definition of swimming pool revised for consistency with Florida Statutes 514 and 515.   |
| 202  | Definitions: Vapor permeable membrane      | 202   | Definitions: Vapor permeable                         | Definition revised to delete the term "membrane" so that the definition applies to the vapor permeance of any material. Testing in accordance with Procedure B of ASTM E96 has been added as an alternative to Procedure A   |
| 202  | Definitions: Vegetative roof               | 202   | Definitions: Vegetative roof                         | Definition revised to correlate with ASTM D1079 by deleting the condition that a vegetative roof normally insulate a building's top surface.   |
| 202  | Definitions: Wind-borne Debris Region      | 202   | Definitions: Wind-borne Debris Region                | Definition revised to correlate with ASCE 7-16 by including a reference to the new Risk Category IV wind speed map.  |
| <b>Chapter 3: Use and Occupancy Classification</b> |  |       |  |  |
| 301.1  | Scope                                      | 301.1 | General  | New language added to clarify occupancy classifications represent varying levels of hazard to building occupants and adjacent properties.  |
| 302.1  | General                                    | 302.1 | Occupancy classification                             | Section revised to provide clarification between the terms use and occupancy. New language requires occupied roofs to be classified in the group that the occupancy most nearly resembles.   |

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| -  | -   | 302.1.1   | Definitions: Use designation                          | New section further establishing the distinction and differences between use and occupancy. Uses are subcategories of the occupancy classification.   |
| 307.1.1  | Hazardous material uses classified other than Group H | 307.1.1   | Hazardous material uses classified other than Group H | New language adds "stationary fuel cell power systems" and "capacitor energy storage systems" to the list of items that can be stored, used, or handled in an occupancy without having to classify the building as Group H. |
| 310.4  | Residential Group R-2                                 | 310.4     | Residential Group R-2                                 | Revised to require all nontransient boarding houses to be classified as Group R2 instead of just those with more than 16 occupants.   |
| 310.5  | Residential Group R-3 (lodging houses)                | 310.5     | Residential Group R-3 (lodging houses)                | Revised to require that for lodging houses to be classified as Group R-3, they must be owner-occupied and have 10 or fewer occupants.   |
| 310.5.2  | Lodging houses and the FBCR                           | 310.5.2   | Lodging houses and the FBCR                           | Section revised to require that lodging houses built in accordance with the FBCR are required to have 10 or fewer occupants.  |
| 311.1.1  | Accessory storage spaces                              | 311.1.1   | Accessory storage spaces                              | Revised to permit rooms or spaces used for storage purposes to be classified as part of the occupancy they are accessory to. The size limit of 100 square feet has been deleted.  |
| 312.1  | Utility and Miscellaneous Group U                     | 312.1     | Utility and Miscellaneous Group U                     | Revised to include communication structures with a gross floor area of less than 1500 square feet as a Group U occupancy.   |
| <b>Chapter 4: Special Detailed Requirements Based on Use and Occupancy</b> |   |           |   |   |
| 402.8.6.1  | Exit passageways                                      | 402.8.6.1 | Exit passageways                                      | Section revised to point the user to all of the code requirements for exit passageways.   |
| 403.4.8.3  | Standby power loads                                   | 403.4.8.3 | Standby power loads                                   | Power and lighting for the fire command center has been removed from the standby power loads and relocated to the emergency power loads.  |
| 403.4.8.4  | Emergency power loads                                 | 403.4.8.4 | Emergency power loads                                 | Power and lighting for the fire command center has been added to the emergency power loads.   |

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| 405.4.2 | Smoke barrier penetration (underground buildings) | 405.4.2 | Smoke barrier penetration (underground buildings) | Section revised to clarify that fire door assemblies are required to comply with Section 716.  |
| 405.4.3 | Elevators   | 405.4.3 | Elevators   | Section revised to clarify door requirements in elevator lobby smoke barriers.   |
| 405.8.1 | Standby power loads                               | 405.8.1 | Standby power loads                               | Fire pumps have been removed from the standby power loads and relocated to the emergency power loads.  |
| 405.8.2 | Emergency power loads                             | 405.8.2 | Emergency power loads                             | Fire pumps have been added to the emergency power loads.   |
| 406     | Motor-Vehicle Related Occupancies                 | 406     | Motor-Vehicle Related Occupancies                 | Section 406 has been reorganized for clarity. Requirements that are applicable to all motor-vehicle related occupancies have been consolidated and relocated to the general provisions of Section 406.1. Relocated provisions include: <ul style="list-style-type: none"> <li>• Automatic garage door openers and vehicular gates.</li> <li>• Clear height of floor levels.</li> <li>• Accessible parking spaces.</li> <li>• Permitted floor surfaces.</li> <li>• Openings between sleeping rooms and motor-vehicle related occupancies.</li> <li>• Fuel dispensing.</li> <li>• Electric vehicle charging stations.</li> <li>• Mixed occupancy and separation.</li> <li>• Equipment and appliances.</li> </ul> |
| 406.7.2 | Canopies (motor fuel-dispensing facilities)       | 406.7.2 | Canopies (motor fuel-dispensing facilities)       | Section editorially revised to change wood of Type IV size to heavy timber complying with Section 2304.11.   |
| 406.8.3 | Floor surface (repair garages)                    | 406.1.4 | Floor surfaces                                    | Exception revised to permit the use of ASTM E648 to determine the required critical radiant flux of slip-resistant, nonabsorbent interior floor finishes.  |
| 406.8.5 | Gas detection system (repair garages)             | 406.8.2 | Gas detection system (repair garages)             | Section revised to correlate the requirements for gas detection systems with new Section 916. Section 916 consolidates the requirements for gas detection systems  |

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|             |                                     |           |  | and resolves inconsistencies with how these systems are treated in the code.   |
| 406.8.5.1   | System design                       | -         | -  | Section deleted.   |
| 406.8.5.1.1 | Gas detection system components     | -         | -  | Section deleted.   |
| 406.8.5.2   | System activation                   | 406.8.2.1 | System activation  | Section revised for clarity.   |
| 406.8.5.3   | Failure of the gas detection system | 406.8.2.2 | Failure of the gas detection system  | Section revised for clarity.   |
| -           | -                                   | 412.3.1   | Construction (airport traffic control towers)                                    | New section added to consolidate general construction requirements for airport traffic control towers.   |
| -           | -                                   | 412.3.1.2 | Structural integrity of interior exit stairways and elevator hoistway enclosures | New section adding structural integrity criteria for exit enclosures applicable where the control cab is located more than 75 feet above the lowest level of fire department vehicle access.                               |
| -           | -                                   | 412.3.1.3 | Sprayed fire-resistant materials (SFRM)  | New section increasing the minimum bond strength for sprayed fire-resistant materials applicable where the control cab is located more than 75 feet above the lowest level of fire department vehicle access.              |
| -           | -                                   | 412.3.3.2 | Fire command center  | New section requiring a fire command center in accordance with Section 911 for airport traffic control towers where the control cab is located more than 75 feet above the lowest level of fire department vehicle access. |
| -           | -                                   | 412.3.3.3 | Smoke removal  | New section requiring smoke removal in accordance with Section 403.4.7 for airport traffic control towers.   |
| -           | -                                   | 412.3.4.1 | Fire pump rooms  | New section requiring fire pump rooms to be separated with minimum 2-hour fire barriers from all other areas of the building.  |
| 412.3.7     | Elevator protection                 | 412.3.5   | Protection of elevator wiring and cables   | Section revised to refer to Section 3007.8.1 for protection of cables serving elevators in airport traffic control towers.   |
| 412.6.3     | Operations (aircraft paint hangars) | 412.6.3   | Operations (aircraft paint hangars)  | Section revised to clarify that only spray equipment cleaning operations that exceed the maximum allowable quantities per control area in Table 307.1(1) are required  |

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|              |   |            |   | to be conducted in a liquid use, dispensing and mixing room.  |
| 412.6.4      | Storage   | 412.6.4    | Storage   | Section revised to clarify that storage of flammable or combustible liquids is required to be in a liquid storage room only when the maximum allowable quantities per control area in Table 307.1(1) are exceeded.  |
| 414.2.4      | Fire-resistance-rating requirements (hazardous materials) | 414.2.4    | Fire-resistance-rating requirements (hazardous materials) | Exception revised to add Type IV construction for the reduced fire-resistance-rating of the floor assembly of the control area.   |
| 415.5.3      | Supervision (emergency alarms)                            | 415.5.3    | Supervision (emergency alarms)                            | Section revised to clarify that supervision and monitoring of emergency alarm systems applies only to those required by Sections 415.5.1 or 415.5.2.  |
| 415.5.4      | Emergency alarm systems                                   | 415.5.4    | Emergency alarm systems                                   | Section revised to clarify that emergency or standby power is required to be provided for emergency alarm systems required by Sections 415.5.1 or 415.5.2.  |
| 415.11.7     | Continuous gas detection systems (Group H-5)              | 415.11.7   | Gas detection systems (Group H-5)                         | Section revised to refer to new Section 916 for gas detection systems.  |
| 415.11.7.1.1 | Fabrication areas   | 415.11.7.1 | Fabrication areas   | Section revised to clarify it applies to HPM gas.   |
| 415.11.7.1.2 | HPM rooms   | 415.11.7.2 | HPM rooms   | Section revised to clarify it applies to HPM gas.   |
| 415.11.7.1.3 | Gas cabinets, exhausted enclosures and gas rooms          | 415.11.7.3 | Gas cabinets, exhausted enclosures and gas rooms          | Section revised to clarify it applies to HPM gas.   |
| 415.11.7.1.4 | Corridors   | 415.11.7.4 | Corridors   | Section revised to clarify it applies to HPM gas.   |
| 415.11.7.2   | Gas detection system operation                            | 415.11.7.2 | Gas detection system operation                            | Section revised to clarify it applies to HPM gas.   |
| -            | -   | 420.7      | Assisted living housing units (Group I-1)                 | New section permitting certain spaces to be open to fire resistance rated corridors, similar to that permitted in section 407.2.5 and 407.2.6 for Group I-1 nursing homes. Shared living spaces, group meeting, or multipurpose therapeutic spaces are permitted to be open to a fire resistance rated corridor provided the specified criteria is met. |

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| 412.6     | Gas detection system                    | 412.6     | Gas detection system                            | Section revised to correlate the requirements for gas detection systems with new Section 916. Section 916 consolidates the requirements for gas detection systems and resolves inconsistencies with how these systems are treated in the code. |
| 421.6.1   | System design                           | -         | -   | Section deleted.   |
| 421.6.2   | Gas detection system components         | -         | -   | Section deleted.   |
| 421.6.3   | System activation                       | 421.6.1   | System activation                               | Section revised for clarity.   |
| 421.6.4   | Failure of the gas detection system     | 421.6.2   | Failure of the gas detection system             | Section revised for clarity.   |
| -         | -                                       | 422.6     | Electrical systems (ambulatory care facilities) | New section requiring the essential electrical system for electrical components, equipment, and systems in ambulatory care facilities to be designed and constructed in accordance with Chapter 27 and NFPA 99.                                |
| 423.1     | General (storm shelters)                | 423.1     | General (storm shelters)                        | New language added requiring building or structures designated as emergency shelters to be designed as Risk Category IV structures.  |
| 423.1.1   | Scope                                   | 423.1.1   | Scope   | New language added clarifying that facilities used as emergency shelters after a storm are outside the scope of ICC 500 and are required to be designed as Risk Category IV structures.  |
| 424.2     | Materials (children's play structures)  | 424.2     | Materials (children's play structures)          | Item 9 has been revised to permit floor coverings placed under children's play structures to be tested in accordance with ASTM E648 to determine the required floor finish classification.   |
| 449.3.1.1 | Sliding doors (hospitals)               | 449.3.1.1 | Sliding doors (hospitals)                       | The requirement that sliding doors located on an exit access corridor be smoke resistive has been relocated to new Section 449.3.10  |
| 449.3.3   | Mobile testing and treatment facilities | 449.3.3   | Mobile/transportable medical units              | Terminology revised to refer to mobile/transportable medical units.  |
| 449.3.3.1 | Approval of mobile units                | 449.3.3.1 | Approval of mobile and transportable units      | New language added limiting the use of these units to 6 months during a 12-month   |

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|           |   |           |  | period unless approved by the Agency (Agency for Healthcare Administration).   |
| 449.3.3.2 | Compliance  | 449.3.3.2 | Compliance   | References to the Guidelines have been changed to include Part 1 General and Part 2, Chapter 2.8 Specific Requirements for Mobile/Transportable Medical Units.   |
| 449.3.3.3 |   | -         | -  | Section deleted.   |
| 449.3.3.4 |   | -         | -  | Section deleted.   |
| 449.3.3.5 |   | -         | -  | Section deleted.   |
| 449.3.4.1 | Windows   | 449.3.4.1 | Windows  | Special nursing care units or rooms have been exempted from the general requirements of this section. New language limits the sill height of windows to be a maximum of 36 inches. Special nursing care units or rooms are required to have windows as required by this section and The Guidelines except the sill height is permitted to be a maximum of 60 inches.                                   |
| 449.3.4.2 | Ceiling height  | 449.3.4.2 | Ceiling height   | Section revised to clarify the minimum ceiling height also applies to tracks, rails, or pipes. The scope of this section has been revised to also apply to patient care areas and centralized kitchens.<br><br>New language eliminates the requirement for a door coordinator where closers are not required on a pair of double doors opening to a room or closet located on an exit access corridor. |
| 449.3.4.3 | Double doors opening to room or closet on an exit access corridor                 | -         | -  | Section deleted.   |
| 449.3.4.5 | Construction of fire walls, smoke barriers, horizontal exits and exit passageways | 449.3.4.5 | Construction of fire walls, fire barriers, smoke barriers, horizontal exits and exit passageways | Section revised to include fire barriers within the scope of this section.   |
| -         | -   | 449.3.10  | Sliding doors for access to rooms on exit access corridors                                       | New section containing the sliding door requirements previous addressed in Section 449.3.1.1.  |

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| -           | -   | 449.3.10.1  | Sliding doors for access to airborne infection isolation room or protective environment room     | New section requiring sliding doors having access to airborne infection isolation rooms or protective environment rooms to be equipped with an automatic closer that will close and latch when released.   |
| -           | -   | 449.3.4.11  | Fire shutters  | New section prohibiting the use of fire shutters to meet the requirements of opening protection.   |
| -           | -   | 449.3.4.12  | Shutters in smoke partitions   | New section permitting shutters in openings of smoke partitions to rooms and areas that are permitted to be open to other areas in accordance with section 407 to be permitted without automatic closing of the shutter.   |
| 449.3.10    | Fire pumps  | 449.3.10    | Fire pumps   | Section revised to clarify that electric motor-driven fire pumps are to be connected to EPSS unless it is infeasible to provide a connection to the existing EPSS equipment.   |
| 449.3.11.10 | Receptacle circuitry  | 449.3.11.10 | Receptacle circuitry   | Section revised to reflect terminology used in updated reference standards.  |
| 449.3.12.2  | Fire alarm systems  | 449.3.12.2  | Fire alarm systems   | Section revises where audible and visual devices are permitted to be located as part of the private mode fire alarm requirement. Audible and visual notification devices are only permitted to be located at care provider's stations, soiled holding rooms, clean workrooms, staff lounges, medication preparation rooms, nurse or supervisor's offices, and other staff areas. |
| 449.3.12.3  | Disconnecting device  | -           | -  | Section deleted as language is redundant.  |
| 449.3.13    | Nurse call system   | 449.3.13    | Nurse call system  | New language added stating that the nurse call systems as described in NFPA do not apply. Nurse call system requirements in NFPA 99 are redundant and contradictory to The Guidelines.   |
| 449.3.14.8  | Generator remote manual stop  | -           | -  | Section deleted because the requirement is now addressed in NFPA 110.  |
| 450.3.5.9   | Construction of fire walls, smoke barriers, horizontal exits and exit passageways | 450.3.5.9   | Construction of fire walls, fire barriers, smoke barriers, horizontal exits and exit passageways | Section revised to include fire barriers within the scope of this section.   |

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| -          | -                         | 450.3.5.13 | Fire shutters (nursing homes) | New section prohibiting the use of fire shutters to meet the requirements of opening protection.  |
| -          | -                         | 450.3.5.14 | Shutters in smoke partitions  | New section permitting shutters in openings of smoke partitions to rooms and areas that are permitted to be open to other areas in accordance with section 407 without automatic closing of the shutter.  |
| -          | -                         | 450.3.14.2 | Nonmetallic sheathed cable    | New section added prohibiting the use of nonmetallic sheathed cable for power and lighting in any facility.   |
| 450.3.14.2 | Electrical requirements   | 450.3.14.3 | Electrical requirements       | Section revised to change basic care room to Category 3 space and general care room to Category 2 space.  |
| -          | -                         | 450.3.14.4 | Duplex receptacle             | New section requiring at least one duplex receptacle located at the head of the resident bed connected to the critical branch of the essential electrical system.   |
| 450.3.14.5 | Equipotential grounding   | 450.3.14.7 | Equipotential grounding       | Section revised to require documentation for equipotential grounding only in areas defined as patient care areas.   |
| 450.3.16.2 | Fire alarm systems        | 450.3.16.2 | Fire alarm systems            | Section revises where audible and visual devices are permitted to be located as part of the private mode fire alarm requirement. Audible and visual notification devices are only permitted to be located at care provider's stations, soiled holding room, clean workroom, staff lounge, medication preparation room, nurse or supervisor's office, and other staff areas. |
| 450.3.16.3 | Disconnecting device      | -          | -                             | Section deleted as language is redundant.   |
| 450.3.17   | Nurse call system         | 450.3.17   | Nurse call system             | New language added stating that the nurse call systems as described in NFPA do not apply. Nurse call system requirements in NFPA 99 are redundant and contradictory to The Guidelines.  |
| 450.3.17.3 | Nurse call master station | -          | -                             | Section deleted as language is redundant.   |
| 450.3.17.5 | Corridor dome light       | -          | -                             | Section deleted as language is redundant.   |
| 450.3.18.1 | Emergency power           | 450.3.18.1 | Emergency power               | Section revised to require a Class 54 generator for emergency power.  |

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| 450.3.18.4  | Illumination of the means of egress | -           | -                                   | Section deleted as language is redundant.   |
| 450.3.18.7  | Generator remote manual stop        | -           | -                                   | Section deleted because the requirement is now addressed in NFPA 110.   |
| 450.4.1.3   | During and Immediately Following    | 450.4.1.3   | During and Immediately Following    | Section revised to require facilities to provide an alternate power source for equipment necessary to maintain safe indoor air temperatures for not less than 96 hours following the loss of normal power.  |
| 450.4.2.6.2 | Temperature and humidity control    | 450.4.2.6.2 | Temperature and humidity control    | Section revised to add specific requirements for maintaining the temperature in facilities.   |
| 450.4.2.9.2 | Emergency power supply              | 450.4.2.9.2 | Emergency power supply              | Section revised to align fuel requirements with the applicable rule and clarifies the method for calculating the required fuel storage.   |
| 450.4.2.9.6 | Generators                          | 450.4.2.9.6 | Generators                          | Section revised to require new facilities to be equipped with either a permanent on-site optional standby system to operate at least the nonessential loads of the electrical system or the entire normal branch of the electrical system for a period of 96 hours for the demand load of the generator. A new exception to an optional standby system has been added provided the criteria specified is met. |
| -           | -                                   | 450.2.9.6.1 | Fuel                                | New section permitting the fuel for this generator to be natural gas, diesel, or propane. Gasoline is not permitted.  |
| -           | -                                   | 450.2.9.6.2 | Protection from debris              | New section requiring the generator, panel boards, switchgear, fuel lines and other vulnerable system components to be protected from debris impact.  |
| -           | -                                   | 450.2.9.6.3 | Protection from flooding            | New section requiring the system to be protected from flooding.   |
| -           | -                                   | 450.2.9.6.4 | NFPA 70                             | New section requiring the system to meet NFPA 70 Article 702 and be tested and maintained in accordance with the manufacturer's instructions.   |
| -           | -                                   | 450.2.9.6.5 | Additional operational requirements | New section referencing 59A-4.1265 Emergency Environmental Control for  |

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|             |  |           |  | Nursing Homes, F.A.C. for additional operational requirements.   |
| 451.2.2     | References (ambulatory surgical centers)     | 451.2.2   | References (ambulatory surgical centers)     | Reference to The Guidelines has been updated to coordinate with the 2018 edition.  |
| -           | -  | 451.3.2   | Outpatient operating room                    | New section added specifying the minimum size of an operating room in an ambulatory surgical center. Requires at least one operating room with a minimum clear floor area of 270 square feet.                                |
| -           | -  | 451.3.2.1 | Small operating rooms                        | New section requiring smaller operating rooms and examination or treatment rooms if provided to meet the requirements for minimum size.  |
| -           | -  | 451.3.2.2 | Audible alarms and signals                   | New section permitting visible alarm-indicating appliances to be used in critical care areas in lieu of audible alarm signals.   |
| 451.3.3.1   | Recovery area                                | 451.3.3.1 | Recovery area                                | Clarifies that this section applies to phase 1 post-anesthesia recovery positions to coordinate with the Guidelines.   |
| 451.3.13.10 | Generator remote manual stop                 | -         | -  | Section deleted because the requirement is now addressed in NFPA 110.  |
| 451.3.15    | Medical gas                                  | 451.3.15  | Medical gas                                  | Section revised to require a piped medical gas installation in the licensed operating room of the ASC that complies with NFPA 99 for a Category 1 piped gas and vacuum system.   |
| 453.5.5.1   | Exterior courtyard                           | 453.5.5.1 | Exterior courtyard                           | Requirements for qualifying as an exterior courtyard have been revised to delete the confusing language regarding the use of fences between buildings for security purposes.   |
| 453.5.5.2   | Enclosed courtyard                           | 453.5.5.2 | Enclosed courtyard                           | Section revised to require enclosed courtyards to have a minimum width of 40 feet. Also revised to permit the travel distance to a courtyard opening/exit to exceed 150 feet if the minimum courtyard width exceeds 60 feet. |
| 453.7.3     | Location of fire extinguishers and blankets. | 453.7.3   | Location of fire extinguishers and blankets. | Section revised to change the minimum height above the finished floor for  |

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|                       |   |                       |  | extinguishers and blankets from 54 inches to 48 inches.  |
| 453.10.2.4            | Vertical drops (guards)                     | 453.10.2.4            | Vertical drops (guards)  | New exception added clarifying that guards are not required for the locations described in the exception to Section 1015.2.  |
| 453.10.3.7            | Shielding (exterior lighting)               | 453.10.3.7            | Shielding (exterior lighting)                                    | Section revised to require that exterior lighting be shielded from adjacent properties for all exterior lighting equipment as described in new Sections 453.10.3.7.1 and 453.10.3.7.2. Ten exceptions to this requirement have been added. |
|                       |   | 453.10.3.7.1          | Light pollution zones  | New section and table defining various light pollution zones. Zones range from rural low-density areas (Zone A) to high-density areas (Zone D).  |
|                       |   | Table<br>453.10.3.7.1 | Light Pollution Zones  |  |
|                       |   | 453.10.3.7.2          | Light trespass   | New section and table limiting the backlight ratings of exterior luminaires.   |
| Table<br>453.10.3.7.2 | Maximum Allowable Backlight Ratings         |                       |  |  |
| 453.10.5.4            | Playground grading                          | -                     | -  | Section deleted and the requirements for playground grading have been relocated and incorporated in Section 468.2.2.   |
| 453.15.4              | Toilet room ventilation                     | 468.3.6.7             | Toilet room ventilation  | Section relocated.   |
| 453.16.3              | Urinals                                     | 468.3.5.11            | Urinal   | Section relocated.   |
| 453.16.6              | Hot water                                   | 468.3.5.12            | Hot water  | Section relocated. Revised to no longer apply to showers. New language sets the minimum hot water temperature at 95°F.   |
| 453.17.8              | Ground-fault interrupter (GFI) receptacles  | 453.17.8              | Ground-fault circuit-interrupter (GFCI) protection for personnel | Terminology revised for consistency with the NEC. Also revised to recognize that GFCI protection can be provided by other means that GFCI receptacles, such as GFCI circuit breakers.  |
| 453.18.1.6            | Interior courtyards                         | 453.18.1.6            | Enclosed courtyards  | Section editorially revised to change interior courtyards to enclosed courtyards.  |
| 453.25.1.1            | Enhanced hurricane protection areas (EHPAs) | 453.25.1.1            | Enhanced hurricane protection areas (EHPAs)                      | Section revised to increase the minimum amount of time EHPAs have to provide protection from 8 hours to 24 hours.  |
| 453.25.3.1            | Excluded spaces                             | 453.25.3.1            | Excluded spaces  | Section revised to clarify that mechanical and electrical rooms, storage rooms, open corridors, kitchens, science rooms and labs, vocational shop areas and labs, computer   |

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|            |   |            |   | rooms and labs, attic and crawl spaces are to be excluded from EHPA capacity calculations.  |
| 453.25.3.2 | Capacity  | 453.25.3.2 | Capacity  | <p>Section revised to clarify that mechanical and electrical rooms, storage rooms, open corridors, kitchens, science rooms and labs, vocational shop areas and labs, computer rooms and labs, attic and crawl spaces are to be excluded from EHPA capacity calculations.</p> <p>New language requires the capacity of a special needs EHPA to be calculated at 60 square feet per occupant.</p>               |
| 453.25.6.3 | EHPA inspection and recertification             | -          | -   | Section deleted.  |
| 453.27.5.2 | Covered walks and technology                    | 453.27.5.2 | Covered walks and technology                    | The time limits specified in Exception 2 for qualifying as temporary relocatable has been revised.  |
| 453.27.7   | Fire-retardant-treated wood                     | 453.27.7   | Fire-retardant-treated wood                     | Section revised to clarify that the limitations on the use of FRTW only apply to Type II construction ancillary facilities.   |
| 454.1      | Definitions (swimming pools and bathing places) | 454.1      | Definitions (swimming pools and bathing places) | <p>New definition added describing an offset. The definition of collector tank has been revised to clarify that the tank vent is not required to be 2.25 square feet and provide material and construction requirements. The definition of plunge pool has been revised to clarify the requirements do not apply to swimming pools that contain a water slide that are dedicated solely for that purpose.</p> |
| 454.1.1.1  | Sizing  | 454.1.1.1  | Sizing  | New language specifies bathing loads for transient and nontransient facilities. New language added requiring that where a pool's turnover rate is calculated to be less than 3 hours it is required to comply with Section 454.1.7.9 for automated controllers.   |
| 454.1.2.1  | Pool structure                                  | 454.1.2.1  | Pool structure                                  | New language permits the grout line to be included when meeting the 1-inch square   |

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|             |                                    |             |                                    | tile requirement provided the tile is sold and distributed as nominal or trade size tile.  |
| 454.1.2.3.5 | Rules and regulation signage       | 454.1.2.3.5 | Rules and regulation signage       | Section revised to permit commercially bottled water in plastic bottles on the pool wet deck. Requires signage to indicate the pool maximum depth.   |
| 454.1.2.8.1 | Sun shelf dimensional requirements | 454.1.2.8.1 | Sun shelf dimensional requirements | New language requires pools utilizing automatic recessed surface skimmers to have at least one skimmer in each sun shelf area. New language clarifies that three sides of the sun shelf are required to be surrounded by pool deck and requires the edge to be continuous.   |
| 454.1.3.1.2 | Slope                              | 454.1.3.1.2 | Slope                              | Section revised to coordinate the wet deck slope with ADA requirements. A 1 percent deck slope is now permitted for paver-type decks. New language added addressing the maximum slope of deck-level perimeter overflow systems. Allows infinity edges up to 60 feet in length provided additional safety considerations are met. |
| 454.1.3.1.6 | Obstructions                       | 454.1.3.1.6 | Obstructions                       | New language prohibits obstructions on lowered portions of the wet deck.   |
| 454.1.3.1.9 | Barriers                           | 454.1.3.1.9 | Barriers                           | New language requires operable parts used for opening doors at access points in the barrier to be a minimum 45 inches and maximum 48 inches above the finished floor or ground.  |
| 454.1.4.2.1 | Outdoor pool lighting              | 454.1.4.2.1 | Outdoor pool lighting              | Section revised to provide required wattage equivalents for LED lighting.  |
| 454.1.4.2.2 | Indoor pool lighting               | 454.1.4.2.2 | Indoor pool lighting               | Section revised to provide required wattage equivalents for LED lighting.  |
| -           | -                                  | 454.1.4.2.5 | Voltage limitation                 | New section requiring underwater lighting, or lighting that may be exposed nozzle-directed pool water, to not exceed 30 volts DC or 15 volts AC, be installed in accordance with manufacturer's specifications, and be approved for such use by UL or NSF.   |

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| 454.1.5.5       | Access  | 454.1.5.5       | Access  | Section revised to require below-grade collector tanks to have adequate access for cleaning, maintenance, and inspection.   |
| Table 454.1.6.1 | Public Swimming Pool – Required Fixture Count | Table 454.1.6.1 | Public Swimming Pool – Required Fixture Count | New note added clarifying that the square footage of interactive water features is required to be considered when calculating the size of the pool for the purposes of determining the type and number of fixtures for sanitary facilities. |
| 454.1.6.1       | Sanitary facilities                           | 454.1.6.1       | Sanitary facilities                           | Section revised to clarify the exception also applies to hotels.  |
| 454.1.6.1.3     | Sanitary facility floors                      | 454.1.6.1.3     | Sanitary facility floors                      | Section revised to clarify that floor drains have to be installed in sanitary facilities.   |
| 454.1.6.5.3.2.3 | Equalizers                                    | 454.1.6.5.3.2.3 | Equalizers                                    | Section revised to no longer require skimmer equalizers.  |
| 454.1.6.5.5.1   | Filter capacities                             | 454.1.6.5.5.1   | Filter capacities                             | Section revised to include regenerative media type filters.   |
| 454.1.6.5.9.6   | Flow rates                                    | 454.1.6.5.9.6   | Flow rates                                    | Section revised to permit higher flows for inlets designed for higher flows as specified by the manufacturer.   |
| 454.1.6.5.10.1  | Depth at outlet                               | 454.1.6.5.10.1  | Depth at outlet                               | Section revised to permit pool designs that include circular areas at the deep points that are “dished” to the centers.   |
| 454.1.6.5.12    | Cleaning system                               | 454.1.6.5.12    | Cleaning system                               | Section revised to provide protection from injury at the vacuum port.   |
| 454.1.6.5.16.6  | UV light disinfectant equipment.              | 454.1.6.5.16.6  | UV light disinfectant equipment.              | Section revised to require that any treatment chemicals are to be injected downstream of the UV equipment.  |
| 454.1.7.7       | Wading pool decks                             | 454.1.7.7       | Wading pool decks                             | The barrier separation requirements between swimming pools and wading pools now only applies where the distance between a wading pool and a swimming pool is less than or equal to 50 feet.   |
| 454.1.7.8       | Lighting                                      | 454.1.7.8       | Lighting                                      | The lighting requirements for indoor wading pools has been reduced to 3 footcandles from 6 footcandles.   |
| 454.1.9.2.1.1   | Plunge pool water depth                       | 454.1.9.2.1.1   | Adequate space at terminus                    | The prescriptive dimensions for plunge pools have been deleted. New performance-based language has been added with a reference to ASTM F2376.   |
| 454.1.9.2.1.1   | Plunge pool dimensions                        | 454.1.9.2.1.1   | Reserved                                      |   |

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| 454.1.9.2.1.3.1 | Slide flume terminus       | 454.1.9.2.1.3.1 | Slide flume terminus       | The prescriptive requirements for the slide flume terminus have been deleted. New language requires the design engineer to document the designed, safe location of the terminus relative to the plane of the pool wall and to the water level.   |
| 454.1.9.2.1.3.2 | Minimum distance           | 454.1.9.2.1.3.2 | -                          |  |
| 454.1.9.2.1.3.3 | Minimum length             | 454.1.9.2.1.3.3 | -                          |  |
| 454.1.9.2.1.6.2 | Slope (plunge pool decks)  | 454.1.9.2.1.6.2 | Slope (plunge pool decks)  | Section revised to permit paver-type decks to have a minimum 1 percent grade.  |
| -               | -                          | 454.1.9.2.1.7   | Plunge pool volume         | New section requiring the total volume of a plunge pool and its collector tank or tanks to be equal or greater than 3 minutes of the combined flow rate in gallons per minute of all filters and slide pumps.  |
| 454.1.9.2.2.4   | Water park personnel       | 454.1.9.2.2.4   | Attendants or lifeguards   | Terminology change to refer to attendants or lifeguards and to require locations of attendants and lifeguards to be in accordance with a plan approved by the Department of Health.  |
| 454.1.9.2.3     | Pump reservoir volume      | 454.1.9.2.3     | Pump reservoir volume      | Section revised to require pump reservoirs only for slides with run out lanes.   |
| 454.1.9.2.3.1   | Pump reservoir volume      | 454.1.9.2.3.1   | Pump reservoir volume      | New language permits the pump reservoir volume to be specified by the design engineer.   |
| 454.1.9.2.3.5   | Pump reservoir main drains | 454.1.9.2.3.5   | Pump reservoir main drains | Section revised to permit pools with collector tanks where the recirculation and slide pumps draw suction.   |
| 454.1.9.2.6.1   | Recirculation rate         | 454.1.9.2.6.1   | Recirculation rate         | New language added permitting the total water volume to include the water in the plunge pool dimensions stipulated by code, plus the slide water for swimming pools that are not dedicated as plunge pools, but include a recreational water slide as part of the design.                          |
| 454.1.9.2.6.2   | Filter areas               | 454.1.9.2.6.2   | Filter performance         | The requirement that the minimum filter area be twice the filter areas specified for the recirculation rates stipulated in Section 454.1.6.5.5.1 has been deleted. New language has been added requiring a continuous readout/electronic recording in-line turbidity meter to determine compliance |

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|                    |                                       |                    |  | with the NTU criteria or the turnover rate in the plunge pool's total water volume must be 1 hour or less.  |
| 454.1.9.2.6.3      | Hair and lint strainer                | -                  | -  | Section deleted.  |
| 454.1.9.6.1        | Slope (zero depth entry pools)        | 454.1.9.6.1        | Slope (zero depth entry pools)             | Section revised to require zero depth entry pools to have a continuous floor slope from the water edge to 3 feet of water depth at which point the slope can transition to another, less steep continuous slope. Floating safety ropes and slope transition markings are not required at this transition point. |
| 454.1.9.6.2        | Deck level perimeter overflow system  | 454.1.9.6.2        | Deck level perimeter overflow system       | New language requires the zero-entry grate to be 8 to 12 inches wide, slip resistant, and constructed for the intended purpose of submersion in water and exposure to UV sunlight.  |
| 454.1.9.8.4        | Lighting (interactive water features) | 454.1.9.8.4        | Lighting (interactive water features)      | Section revised to reduce the lighting requirements from 6 footcandles of light to 3 footcandles of light.  |
| 454.1.9.8.6.1      | Hydraulics                            | 454.1.9.8.6.1      | Hydraulics                                 | Section reorganized for clarity.  |
| 454.1.9.8.6.3      | Recirculation system                  | 454.1.9.8.6.3      | Recirculation system                       | Section revised to locate the injection points downstream of any ancillary equipment such as heaters, flowmeters, ozonators, and UV systems.  |
| 454.1.9.8.6.9      | Fencing                               | 454.1.9.8.6.9      | Fencing                                    | Section revised for clarity. New language requires that barriers designed to define the walking path are subject to review and approval by the department.  |
| 454.1.9.8.6.1<br>2 | IWF floor slopes                      | 454.1.9.8.6.1<br>2 | IWF floor slopes                           | The minimum floor slopes for IWFs has been changed from 1:50 to 1:60.   |
| 454.1.9.8.7.1      | Rules and regulations                 | 454.1.9.8.7.1      | Rules and regulations                      | Section revised to clarify that food, drinks, glass, and animals are not allowed in the pool.   |
| 454.1.9.8.7.3      | Fencing (water theme parks)           | 454.1.9.8.7.3      | Fencing (water theme parks)                | Section revised for clarity. New language requires that barriers designed to define the walking path are subject to review and approval by the department.  |
| -                  | -                                     | 454.1.11           | Public bathing places – artificial lagoons | New section added to address safety and sanitation of artificially impound bathing  |

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|             |  |             |   | places and the play features associated with such bathing places.   |
| 457.1.4.1.5 | Surge protection (mental health programs)                      | 457.1.4.1.5 | Surge protection (mental health programs)                                 | Section revised for clarity and to correct the reference to NFPA 70.  |
| 464.3.1     | Codes and standards (assisted living facilities)               | 464.3.1     | Codes and standards (assisted living facilities)                          | References to specific sections of the Florida Administrative Code and Florida Statutes have been updated.  |
| 464.4.2.1   | Mechanical systems   | 464.4.2.1   | Mechanical systems  | Section revised to incorporate the rule developed by the Department of Elder Affairs requiring assisted living facilities to provide an alternate power source for equipment necessary to maintain safe indoor air temperatures for not less than 96 hours following the loss of normal power. New language provides a reference to the rule and specifies requirements for a safe and reliable method for connecting the alternate power source.   |
| 464.4.2.2   | Mechanical cooling device                                      | 464.4.2.2   | Power source  |   |
| -           | -  | 464.4.2.2.1 | Generators  |   |
| -           | -  | 464.4.2.2.2 | Generator fuel  |   |
| 467         | Hospice Inpatient Facilities and Units and Hospice Residences  | 467         | Hospice Inpatient Facilities and Units and Hospice Residential Facilities | Entire section revised and reorganized to clarify the requirements for inpatient facilities and units. New definitions have been added for existing, unit, and inpatient facility. Reference to the 2018 Guidelines has been added. Room requirements and window sill heights have been revised to meet CMS requirements. Redundant language found in other standards and codes has been deleted. New language clarifies the use of Type III EES. Permits the use of wireless nurse call. |
| 468.2.2     | Playgrounds and equipment (schools, colleges and universities) | 468.2.2     | Playgrounds and equipment (schools, colleges and universities)            | Section revised to require that playgrounds be evenly graded and sloped to provide positive surface drainage. Reference has been added to the Public Playground Safety Handbook.  |
| -           | -  | 468.2.4     | Transmission line right-of-way  | New section prohibiting buildings, play areas, and common areas from being located within a high-voltage power transmission line right-of-way.  |

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| 468.3.7.1  | Illumination level in classrooms/instructional spaces | 468.3.7.1 | Illumination level in classrooms/instructional spaces | Section revised to required illumination at the normal task level for the type of classroom/instruction space to be designed to provide and maintain an average of 40 footcandles.  |
| 469.2.1.2  | Codes and standards (Office Surgery Suite)            | 469.2.1.2 | Codes and standards (Office Surgery Suite)            | Section revised to add general information common to all outpatient facilities. Corrects the reference to the appropriate provisions of the FGI Guidelines.   |
| <b>Chapter 5: General Building Heights and Areas</b> |   |           |   |   |
| -  | -   | 503.1.4   | Occupied roofs  | New section establishing criteria for heights and areas of buildings that have occupied roofs. An occupied roof is not included in the building area regulated by Section 506 provided the occupancy of the occupied roof is an occupancy permitted by Table 504.4 for the story immediately below the roof. Exception 1 permits the occupied roof to be any occupancy provided the building is equipped throughout with an automatic sprinkler system complying with Section 903.3.1.1 or 903.3.1.2 and occupant notification in accordance with Section 907.5 is provided in the area of the occupied roof. Exception 2 permits assembly occupancies on roofs of open parking garages of Type I or II construction in accordance with the exception to Section 903.2.1.6. |
| Table 509  | Incidental Uses                                       | Table 509 | Incidental Uses                                       | Adds rooms or spaces with electrical installations or transformers as incidental use areas. Rooms or spaces with stationary storage battery systems have been revised to apply to those with an energy capacity greater than the threshold quantity specified in the Florida Fire Prevention Code.  |
| <b>Chapter 6: Types of Construction</b>              |   |           |   |   |
| 602.4  | Type IV Heavy Timber Construction                     | 602.4     | Type IV Heavy Timber Construction                     | Editorial revisions to consolidate the heavy timber requirements in Chapter 6 and Chapter 23. Duplicative text has been eliminated and specific details regarding   |

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|  |  |               |  | heavy timber construction have been relocated to Chapter 23.  |
| 602.4.1  | Fire-retardant-treated wood in exterior walls                    | 602.4.1       | Fire-retardant-treated wood in exterior walls                    | Minimum thickness (6 inches) requirements for fire-retardant-treated wood in exterior walls has been added to this section from Section 602.4.8.2. Section 602.4.8.2 has been relocated to Chapter 23.  |
| 602.4.2  | Cross-laminated timber in exterior walls                         | 602.4.2       | Cross-laminated timber in exterior walls                         | Minimum thickness (6 inches) requirements for cross-laminated timber in exterior walls has been added to this this section from Section 602.4.8.2. Section 602.4.8.2 has been relocated to Chapter 23.  |
| 602.4.3  | Columns  | -             | -  | Sections have been deleted and correlated with similar requirements in Sections 2304.11.1.1, 2304.11.1.2, and 2304.11.1.3   |
| 602.4.4  | Floor framing  | -             | -  |   |
| 602.4.5  | Roof framing   | -             | -  |   |
| 602.4.6  | Floors   | 2304.11.3     | Floors   | Section relocated.  |
| 602.4.6.1<br>2304.11.4                               | Sawn or glued-laminated plank floors                             | 2304.11.3.2   | Sawn or glued-laminated plank floors                             | Section relocated and consolidated into a single section.   |
| 602.4.6.2  | Cross-laminated timber floors                                    | 2304.11.3.1   | Cross-laminated timber floors                                    | Section relocated.  |
| 602.4.7  | Roofs  | 2304.11.4     | Roof decks   | Section deleted and provisions have been relocated and folded into Sections 2304.11.4, 2304.11.4.1, and 2304.11.4.2.  |
|  |  | 2304.11.4.1   | Cross-laminated timber roofs                                     |   |
|  |  | 2304.11.4.2   | Sawn, wood structural panel, or glued-laminated plank roofs      |   |
| 602.4.8  | Partitions and walls   | 2304.11.2     | Partitions and walls   | Sections relocated. Minimum thickness requirements (6 inches) for fire-retardant-treated wood and cross-laminated timber in exterior walls has been moved to Sections 602.4.1 and 602.4.2 respectively. |
| 602.4.8.1  | Interior walls and partitions                                    | 2304.11.2.2   | Interior walls and partitions.                                   |   |
| 602.4.8.2  | Exterior walls   | 2304.11.2.1   | Exterior walls   |   |
| Table 601  | Fire-Resistance Rating Requirements for Building Elements (Hour) | Table 601     | Fire-Resistance Rating Requirements for Building Elements (Hour) | Reference sections applicable to heavy timber have been changed to refer to the applicable sections in Chapter 23.  |
| Table 602.4  | Wood Member Size Equivalencies                                   | Table 2304.11 | Minimum Dimensions of Heavy Timber Structural Members            | Minimum thickness requirements based on loading configurations from previous Sections 602.4.3 through 602.4.5 have been added to the table.   |
| <b>Chapter 7: Fire and Smoke Protection Features</b> |  |               |  |   |
| Table 705.2  | Minimum Distance of Projections (Fire Separation Distance)       | Table 705.2   | Minimum Distance of Projections (Fire Separation Distance)       | The description of the fire separation distance (FSD) has been revised for clarity. The minimum distance from the FSD line for  |

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|         |  |         |  | projections has been revised for FSD's of 5 feet and greater. The 20-foot minimum separation for an FSD of 30 feet and greater has been deleted. Where the FSD is 5 feet or greater, the minimum distance of the projection from the property line (or other line used to determine the FSD) is now 40 inches.  |
| 705.2.3 | Combustible projections                      | 705.2.3 | Combustible projections                      | Section revised to refer to Section 2304.11 for combustible projections of heavy timber.  |
| 705.8.2 | Protected openings                           | 705.8.2 | Protected openings                           | Editorial clarification to refer to general opening protectives in accordance with Section 716.   |
| 705.8.5 | Vertical separation of openings              | 705.8.5 | Vertical separation of openings              | Section revised to require that the unexposed surface temperature limitations in ASTM E119 or UL 263 apply to the vertical separations including spandrel girders, exterior walls or other similar assemblies that have a fire-resistance rating of not less than 1 hour. The exemption to the unexposed surface temperature limitations in ASTM E119 or UL 263 for flame barriers still applies. |
| 709.5   | Openings in smoke barriers                   | 709.5   | Openings in smoke barriers                   | Factory or field-applied protective plates installed on opposite-swinging doors installed across a corridor in Group I-1 Condition 2, Group I-2 and ambulatory care facilities are now not required to be labeled.<br><br>In Exception 2, accordion and folding doors have been added as options for Group I-1 Condition 2, Group I-2 and ambulatory care facilities.                             |
| -       | -  | 713.8.2 | Membrane penetrations in a shaft enclosure   | New section permits membrane penetrations on the outside of shaft enclosures provided they are protected in accordance with Section 714.4.2.  |
| 713.13  | Waste and linen chutes and incinerator rooms | 713.13  | Waste and linen chutes and incinerator rooms | Section revised to correct the reference from Chapter 5 to Chapter 6 of NFPA 82. Also revised to refer to Section 712 to permit the   |

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|           |  |           |  | exceptions contained in Section 712 for shaft construction.  |
| 713.13.1  | Shaft enclosures containing a recycling, or waste or linen chute | 713.13.1  | Shaft enclosures containing a recycling, or waste or linen chute | Section revised to clarify that a recycling chute is permitted to be located in the same shaft with a waste chute.   |
| 713.14    | Elevator, dumbwaiter and other hoistway enclosures               | 713.14    | Elevator, dumbwaiter and other hoistway enclosures               | Section revised to also refer to Section 712 to permit the exceptions contained in Section 712 for shaft construction.   |
| -         | -  | 714.2     | Installation of penetration firestop systems                     | New section requiring listed penetration firestop systems to be installed in accordance with the manufacturer's installation instructions and listing criteria.  |
| 713.3.1.1 | Fire-resistance-rated assemblies (through-penetrations)          | 714.4.1.1 | Fire-resistance-rated assemblies (through-penetrations)          | Section revised to clarify that the method of protecting the penetration, not the penetration itself, is the subject of these requirements.  |
| 714.4.1.1 | Installation (through-penetrations)                              | 714.5.1.1 | Fire-resistance-rated assemblies (through-penetrations)          | Section revised to clarify that the method of protecting the penetration, not the penetration itself, is the subject of these requirements.  |
| 714.4.1.2 | Through-penetration firestop systems                             | 714.5.1.2 | Through-penetration firestop systems                             | Exception 3 has been revised to clarify that the exception to the T rating applies to metal conduit or tubing of a maximum 4-inch nominal diameter.  |
| 714.4.2   | Membrane penetrations  | 714.5.2   | Membrane penetrations  | New exception to protecting membrane penetrations has been added for ceiling membrane penetrations by listed luminaires or by luminaires protected with listed materials which have been tested for use in fire-resistance-rated assemblies and installed in accordance with the instructions included in the listing. |
| 715.1     | General (Fire-resistant joint systems)                           | 715.1     | General (Fire-resistant joint systems)                           | New exception added to clarify that a fire-resistant joint system is not required for the joint between an exterior curtain wall and a rated or unrated roof slab or deck.   |
| 715.3     | Fire test criteria   | 715.3     | Fire test criteria   | The required fire separation distance for joint systems on exterior walls to be tested for interior fire exposure only has been increased from 5 feet to 10 feet. This will  |

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|               |   |               |   | bring consistency between the requirements for exterior walls (Section 705.5) and fire-resistant joint systems installed within exterior walls.   |
| 716.1         | General (Opening protectives)   | 716.1         | General (Opening protectives)   | The requirement that opening protectives be installed in accordance with NFPA 80 has been relocated to the general requirements of Section 716.1 because NFPA 80 applies to all opening protectives not just fire door and fire-protection-rated glazing. |
| Table 716.3   | Marking Fire-Rated Glazing Assemblies   | Table 716.3   | Marking Fire-Rated Glazing Assemblies   | New entry added to the table recognizing ASTM E119 or UL 263 tested and listed products for rated floor/ceiling assemblies using the marking FC. New note a provides a reference to glass walkways in Section 2409.1.                                     |
| 716.3.1       | Fire-rated glazing identification   | 716.3.1       | Fire-rated glazing identification   | Section revised to provide reference to fire test standards UL 10B and UL 10C for consistency with other sections and tables in Section 716.  |
| 716.5         | Fire door and shutter assemblies  | 716.5         | Fire door and shutter assemblies  | The requirement that fire door and shutter assemblies be installed in accordance with this section and NFPA has been relocated to the general requirements in Section 716.1.  |
| Table 716.5   | Opening Fire Protection Assemblies, Ratings and Markings  | Table 716.5   | Opening Fire Protection Assemblies, Ratings and Markings  | New Note f added to table providing a reference to Section 716.3.1 and Table 716.3 for fire-rated glazing products that have product performance markings greater than the minimum requirement in the code.   |
| 716.5.2       | Other types of assemblies (fire doors)  | 716.5.2       | Other types of assemblies (fire doors)  | Section revised to add rolling steel fire doors to the list of permitted other types of assemblies provided that they have been tested in accordance with NFPA 252 or UL 10B.   |
| 716.5.8.1.2.1 | Horizontal exits (Fire-protection-rated glazing in door assemblies in fire walls and fire barriers rated greater than 1 hour) | 716.5.8.1.2.1 | Horizontal exits (Fire-protection-rated glazing in door assemblies in fire walls and fire barriers rated greater than 1 hour) | The 10-inch maximum dimension applied to the 100 square inch visions panel limit for swinging doors in horizontal exits has been delete.  |

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| 716.5.9.1 | Latch required                 | 716.5.9.1 | Latch required                        | Revised to clarify that this section only applies to side-hinged swinging fire doors.  |
| -         | -                              | 716.5.9.3 | Delayed action closers (door closing) | New section permits doors required to be self-closing, but not automatic closing, to be equipped with delayed action closers. New definition of delayed action closer has been added to Chapter 2.   |
| 716.5.9.3 | Smoke-activated doors          | 716.5.9.4 | Smoke-activated doors                 | In general, this section has been revised for clarity. The list of locations for automatic-closing doors has been revised to eliminate redundancy in the code. Previous Items 1, 2, 3, 10 and 11 are addressed in the sections specific to smoke barriers, shaft enclosures, fire barriers and smoke barriers, respectively. Fire barriers have been added to the list to address doors that protect openings in exit enclosures, vertical shafts, incidental uses, etc. |
| 716.5.9.4 | Doors in pedestrian ways       | 716.5.9.5 | Doors in pedestrian ways              | Section revised to editorially separate vertical sliding fire doors from rolling steel fire doors because rolling steel fire doors always operate vertically.  |
| 716.6     | Fire-protection-rated glazing  | 716.6     | Fire-protection-rated glazing         | The requirement that fire-protection-rated glazing be installed in accordance with this section and NFPA 80 has been relocated to the general requirements in Section 716.1.   |
| 716.6.2   | Nonsymmetrical glazing systems | 716.6.2   | Nonsymmetrical glazing systems        | The required fire separation distance for nonsymmetrical fire-protection-rated glazing systems on exterior walls to be tested for interior fire exposure only has been increased from 5 feet to 10 feet. This will bring consistency between the requirements for exterior walls (Section 705.5) and glazing systems installed within exterior walls.  |
| 717.3.3.1 | Fire damper actuation          | 717.3.3.1 | Fire damper actuation                 | Section editorially revised to change terminology – “fire damper actuation device” has been changed to “primary heat responsive device.”   |
| 717.4     | Access and identification      | 717.4     | Access and identification             | Section reorganized into multiple sections for clarity. New language requires dampers  |
|           |                                | 717.4.1   | Access                                |  |

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|                                     |   | 717.4.1.1      | Access openings   | equipped with fusible links, internal operators, or both to be provided with an access door not less than 12 inches square or provided with a removable duct section. New section requiring where space constraints or physical barriers restrict access to a damper for periodic inspection and testing, the damper is required to be a single- or multi-blade type damper and comply with the remote inspection requirements of NFPA 80 or NFPA 105. |
|                                     |   | 717.4.1.2      | Restricted access   |  |
|                                     |   | 717.4.2        | Identification  |  |
| 717.5.2                             | Ducts and air transfer openings of fire barriers                | 717.5.2        | Ducts and air transfer openings of fire barriers                | Section revised to clarify that fire dampers have to be listed.  |
| 717.5.3                             | Shaft enclosures penetrated by ducts and air transfer openings. | 717.5.3        | Shaft enclosures penetrated by ducts and air transfer openings. | Section revised to clarify that fire and smoke dampers have to be listed.  |
| Table 721.1(3)                      | Minimum Protection for Floor and Roof Systems                   | Table 721.1(3) | Minimum Protection for Floor and Roof Systems                   | Rows 27 and 30 have been revised to correctly specify the resilient channels in the ceiling construction column.   |
| <b>Chapter 8: Interior Finishes</b> |   |                |   |  |
| 803.3                               | Heavy timber exemption  | 803.3          | Heavy timber exemption  | Reference sections and terms have been revised to correlate with the consolidation of the heavy timber requirements into Section 2304.11. Section revised to require that heavy timber construction be subject to interior finish requirements when it is used to form the interior surfaces of egress elements such as interior exit stairways, interior exit ramps, and exit passageways.  |
| 803.13.3                            | Heavy timber construction                                       | 803.13.3       | Heavy timber construction                                       | Reference sections and terms have been revised to correlate with the consolidation of the heavy timber requirements into Section 2304.11.  |
| 804.2                               | Interior floor finish and covering classification               | 804.2          | Interior floor finish and floor classification                  | Section revised to permit interior floor finish and floor covering materials required to be of Class I or II materials to be classified in accordance with ASTM E648, which is technically equivalent to the existing reference to NFPA 253.   |

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| 804.3                                     | Testing and identification of interior floor finish and coverings                        | 804.3       | Testing and identification of interior floor finish and coverings | Section revised to permit interior floor finish and floor covering materials to be tested in accordance with ASTM E648, which is technically equivalent to the existing reference to NFPA 253.   |
| <b>Chapter 9: Fire Protection Systems</b> |  |             |   |  |
| 901.6.1                                   | Automatic sprinkler systems (supervisory service)  | 901.6.1     | Automatic sprinkler systems (supervisory service)                 | The exception to monitoring for limited area systems has been revised to refer to Section 903.3.8 instead of systems serving fewer than 20 sprinklers. Limited areas sprinklers are limited to 6 sprinklers in Section 903.3.8. The change is essentially a correlation with the requirements in Section 903.3.8 that are specific to limited area sprinkler systems.  |
| -   | -  | 903.3.1.2.3 | Attics (NFPA 13R systems)   | New section specific to protection of attics when using an NFPA 13R system has been added. Some requirements previously only required for Group R4 Condition 2 now apply to all attics – 1. Attics used or intended for living purposes or storage; 2. Where fuel-fired equipment is installed in an unsprinklered attic, at least one quick-response sprinkler is required to be installed above the equipment. Attic protection is now required for Types III, IV, and V construction where the roof assembly is located more than 55 feet above the lowest level of required fire department vehicle access. Alternatives to sprinkler protection include constructing the attic of noncombustible materials or fire-retardant-treated wood or fill the attic with noncombustible insulation. The existing requirements in Section 903.2.8.3 for Group R-4, Condition 2 have been relocated to this new section applicable to attic protection. |
| 903.2.8.3.1                               | Attics used for living purposes, storage or fuel fired equipment (Group R4, Condition 2) | -           | -   | The requirements of this section have been relocated to Section 903.3.1.2.3.   |

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| 903.2.8.3.2 | Attics not used living purposes, storage or fuel fired equipment (Group R4, Condition 2) | -           | -  | The requirements of this section have been relocated to Section 903.3.1.2.3.  |
| 905.4       | Location of Class I standpipe hose connections   | 905.4       | Location of Class I standpipe hose connections | In required interior exit stairways, hose connections are now required to be located at the main floor landing. A new exception for hose connections in interior exit stairways, permits a single hose connection to be installed in the open corridor or open breezeway between open stairs that are not greater than 75 ft apart. |
| 907.1.2     | Fire alarm shop drawings   | 907.1.2     | Fire alarm shop drawings                       | The list of information to be included on the fire alarm shop drawings has been deleted and the code now requires fire alarm shop drawings to be prepared in accordance with NFPA 72.   |
| 907.2.1     | Group A (manual fire alarm system)   | 907.2.1     | Group A (manual fire alarm system)             | Section revised to also require a manual fire alarm system where the Group A occupant load is more than 100 persons above or below the lowest level of exit discharge. This change will make requirements for Group A occupancies located on a level other than that of exit discharge to be consistent with Group B.               |
| 907.2.23    | Battery rooms  | 907.2.23    | Battery rooms                                  | Section revised to require an automatic smoke detection system in areas containing stationary battery storage systems in accordance with the Florida Fire Prevention Code.  |
| -           | -  | 907.2.24    | Capacitor energy storage systems               | New section requiring an automatic smoke detection system in areas containing capacitor energy storage systems in accordance with the Florida Fire Prevention Code.   |
| 907.5.2.2.4 | Emergency voice/alarm communication captions   | 907.5.2.2.4 | Emergency voice/alarm communication captions   | Section revised to specifically require that the emergency/voice alarm communication system provide prerecorded or real-time captions in stadiums, arenas and grandstands that have 15,000 fixed seats or   |

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|             |  |             |   | more and provide audible public announcements.  |
| 907.5.2.3.2 | Groups I-1 and R-1 (visible alarms)                      | 907.5.2.3.2 | Groups I-1 and R-1 (visible alarms)           | Section revised to clarify that visible alarm notification is required in habitable spaces in dwelling units and sleeping units in Group I-1 and R-1 occupancies in accordance with Table 907.5.2.3.2.  |
| 907.3.2.3.3 | Group R-2  | 907.3.2.3.3 | Group R-2                                     | Section reorganized for clarity. Requires that the required capability to support visible alarm notification appliances be able to accommodate wired or wireless equipment. Also revised to require that the future capability include one of three capabilities (interconnection, replacement, or future extension) that previously were not required but permitted options. |
| 908.8       | Carbon monoxide protection                               | 915         | Carbon monoxide protection                    | The carbon monoxide protection provisions have been relocated to Section 915. Requirements are unchanged from the previous edition.   |
| 908.2       | Group H-5 occupancy (emergency alarm systems)            | 908.2       | Group H-5 occupancy (emergency alarm systems) | Requirements for a gas detection system have been deleted from this section and relocated to new Section 916 Gas Detection Systems  |
| 908.3       | Highly toxic and toxic materials (gas detection systems) | 916         | Gas Detection Systems                         | Provisions for gas detection systems have been consolidated into new Section 916. Sections 908.3 through 908.7 have been deleted with the specific requirements relocated to Section 916. The revisions remove inconsistencies with how gas detection systems are treated in the code and improve enforceability.   |
| 908.3.1     | Alarms   |             |   |   |
| 908.3.2     | Shutoff of gas supply                                    |             |   |   |
| 908.3.3     | Valve closure  |             |   |   |
| 908.4       | Ozone gas-generator rooms                                |             |   |   |
| 908.5       | Repair garages   |             |   |   |
| 908.6       | Refrigerant detector                                     |             |   |   |
| 908.7       | Carbon dioxide (CO <sub>2</sub> ) systems                |             |   |   |
| 909.20.6.1  | Ventilation systems (smoke control systems)              | 909.20.6.1  | Ventilation systems (smoke control systems)   | Exception has been reformatted to clarify the intent.   |
| 913.2.2     | Circuits supplying fire pumps                            | 913.2.2     | Circuits supplying fire pumps                 | The methods for protecting cables used for survivability of circuits supplying fire pumps have been revised for clarity:  |

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|                                    |  |              |  | <ul style="list-style-type: none"> <li>• Cables protecting critical circuits listed in accordance with UL 2196 and have a fire-resistance rating of 1 hour.</li> <li>• Electrical circuit protective systems having a fire-resistance rating of 1 hour.</li> <li>• Construction having a fire-resistance rating of 1 hour.</li> </ul>  |
| <b>Chapter 10: Means of Egress</b> |  |              |  |  |
| Table 1004.1.2                     | Maximum Floor Area Allowances Per Occupant | Table 1004.5 | Maximum Floor Area Allowances Per Occupant | <p>The occupant load factor for business areas has been changed from 100 gross to 150 gross.</p> <p>New table entry added for concentrated business uses to be determined in accordance with new Section 1004.8.</p>   |
| -                                  | -  | 1004.3       | Multiple function occupant load            | New section stipulating that where an area contains multiple functions having different occupant load factors, the design occupant load is required to be based on the floor area of each function calculated independently.   |
| 1004.3                             | Posting of occupant load                   | 1004.9       | Posting of occupant load                   | Section revised to require the posting of occupant loads for assembly occupancies to include the intended configurations where multiple configurations are possible.   |
| 1004.5                             | Outdoor areas                              | 1004.7       | Outdoor areas                              | Occupied roofs are now included within the scope of this section.  |
| -                                  | -  | 1004.8       | Concentrated business use areas            | New section added addressing occupant loads for concentrated business uses including telephone call centers, trading floors, electronic data processing centers and similar business use areas that have a higher density of occupants than a normal business occupancy. The occupant load is permitted to be the actual occupant load when approved by the building official but not less than 1 occupant per 50 square feet. |

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| 1005.3.1       | Stairways   | 1005.3.1       | Stairways   | The term “outdoor smoke protected assembly seating” has been changed to “open air assembly seating.”   |
| 1005.3.2       | Other egress components   | 1005.3.2       | Other egress components   | The term “outdoor smoke protected assembly seating” has been changed to “open air assembly seating.”   |
| 1006.2.1       | Egress based on occupant load and common path of egress travel distance | 1006.2.1       | Egress based on occupant load and common path of egress travel distance | New language added requiring that the cumulative occupant load be determined in accordance with Section 1004.2 to clarify the capacity determinations for the required number of exits or access to exits.<br><br>A new exception has been added permitting the number of exits from foyers, lobbies, vestibules, or similar spaces to not be based on cumulative occupant loads for areas discharging through such spaces. However, the capacity of the exits from such spaces must be based on applicable cumulative occupant loads. |
| Table 1006.2.1 | Spaces with One Exit or Exit Access Doorway                             | Table 1006.2.1 | Spaces with One Exit or Exit Access Doorway                             | The maximum occupant load of the space for Group R-4 occupancies to have one exit or exit access doorway has been increased from 10 to 20.<br><br>Note e has been editorially revised to clarify the intent.   |
| 1006.2.2.2     | Refrigeration machinery rooms   | 1006.2.2.2     | Refrigeration machinery rooms   | Section revised to clarify that it is exit and exit access doorways that must swing in the direction of travel, not all doors.   |
| 1006.3         | Egress from stories of occupied roofs                                   | 1006.3         | Egress from stories of occupied roofs                                   | Section revised to clarify that required exits and access to exits must be separate and distinct.<br><br>The requirement that the path of egress travel to an exit not pass through more than one adjacent story has been relocated to new Section 1006.3.1 and includes multiple new exceptions.  |

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|              |   |              |   | New language has been added clarifying that where stairways serve more than one story, only the occupant load of each story considered individually is to be used in calculating the required number of exits or access to exits serving that story for consistency with occupant load calculations for stories in Section 1004.2.3.   |
| -            | -   | 1006.3.1     | Adjacent story                                | The requirement that the path of egress travel to an exit not pass through more than one adjacent story has been relocated to new Section 1006.3.1 and includes multiple new exceptions to coordinate with the allowance for exit access stairways in Section 1019.3.  |
| 1006.3.1     | Egress based on occupant load                 | 1006.3.1     | Egress based on occupant load                 | Section revised to clarify that required exits and access to exits must be separate and distinct.  |
| -            | -   | 1008.2.3     | Exit discharge (means of egress illumination) | New section added intending to limit the amount of light required for safe exiting from a building on large private campuses. A new exception has been added to the exit discharge illumination requirements where the path of exit discharge is illuminated from the exit to a safe dispersal area complying with Section 1028.5 and the safe dispersal area is illuminated to a level not less than 1 footcandle at the walking surface. |
| 1010.1.1     | Size of doors                                 | 1010.1.1     | Size of doors                                 | Section revised for consistent use of terminology.<br><br>Exceptions have been modified to correlate with accessibility requirements and limitations.  |
| 1010.1.1.1   | Projections into clear width                  | 1010.1.1.1   | Projections into clear width                  | Section editorially revised to clarify projections is not permitted in the clear opening width as specified.   |
| 1010.1.4.1.2 | Other than egress component (revolving doors) | 1010.1.4.1.2 | Other than egress component (revolving doors) | The term "collapsing force" has been changed to "breakout force" for consistent use of terminology in this section.  |

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| 1010.1.4.2 | Power-operated doors | 1010.1.4.2     | Power-operated doors                            | <p>New language added requiring low energy power-operated sliding doors and low energy power-operated folding doors to comply with BHMA A156.38.</p> <p>Exception 2 has been revised to include special purpose accordion and folding doors within its scope.</p>   |
| -          | -                    | 1010.1.4.4     | Locking arrangements in educational occupancies | <p>New section permitting egress doors from classrooms, offices, and other occupied rooms in Group E and Group B educational occupancies to have locking arrangements designed to keep intruders from entering the room. The following conditions must be satisfied:</p> <ul style="list-style-type: none"> <li>• The door must be capable of being unlocked from outside the room with a key or other approved means.</li> <li>• The door must be openable from within the room in accordance with Section 1010.1.9.</li> <li>• Listed panic hardware, fire door hardware, and door closers cannot be modified.</li> </ul> |
| -          | -                    | 1010.1.4.4.1   | Remote operation of locks                       | <p>New section permitting remote operation of locks complying with new Section 1010.1.4.4.</p>  |
| 1010.1.7   | Thresholds           | 1010.1.7       | Thresholds                                      | <p>New exception for doors serving dwelling units or sleeping units that limits the height of the threshold to that required to pass the water resistance test of AAMA/WDMA/CSA 101/I.S.2/A440 or TAS 202, or the maximum allowable height distance between interior and exterior floor levels as specified in new Table 1010.1.7.</p>  |
| -          | -                    | Table 1010.1.7 | Exterior Floor Level Difference                 | <p>New table specifying the maximum height difference between interior and exterior floor levels for primary and secondary doors where the exterior floor is of pervious or impervious construction.</p>  |

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| -            | -  | 1010.1.9.3   | Monitored or recorded egress  | New section permitting electrical systems to monitor, or record egress activity provided the locking system complies with Section 1010.1.9.7, 1010.1.9.8, 1010.1.9.9, 1010.1.9.10, or 1010.1.9.11. Alternatively, the door must be readily openable from the egress side without the use of a key or special knowledge.   |
| 1010.1.9.3   | Locks and latches  | 1010.1.9.4   | Locks and latches             | New condition for locking and latching of doors has been added for doors serving roofs not intended to be occupied. When accessing the roof, the locks cannot automatically lock.   |
| 1010.1.9.5.1 | Closets and bathroom doors in Group R-4 occupancies (unlatching) | -            | -                             | Section deleted in its entirety because it is an inconsistent requirement that should apply to other occupancies as well if there are concerns about persons receiving custodial care locking themselves into a bathroom or closet.   |
| 1010.1.9.7   | Delayed egress   | 1010.1.9.8   | Delayed egress                | New exceptions added permitting delayed egress locking systems in Group E occupancies and courtrooms. Delayed egress locks are permitted in Group E occupancies with an occupant load of 10 or fewer provided the building has an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke or heat detection system in accordance with Section 907. Delayed egress locks are permitted on exit or exit access doors, other than the main exit door, that serve courtrooms provided the building has an automatic sprinkler system installed in accordance with Section 903.3.1.1.<br><br>Section has been reformatted to specify the installation and operation of a delayed egress locking system in accordance with new Section 1010.1.9.8.1. |
|              |  | 1010.1.9.8.1 | Delayed egress locking system |   |

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|             |  |             |  | New exception to item 5 added to allow up to two delayed egress systems in Group I-1 or I-4 occupancies. The combined delay cannot exceed 30 seconds and the building is required to have an automatic sprinkler system in accordance with Section 903.3.1.1.   |
| 1010.1.9.8  | Sensor release of electrically locked egress doors | 1010.1.9.9  | Sensor release of electrically locked egress doors             | Section revised to improve clarity and consistency in language. The numbered list of criteria for sensor release of electric locking systems has been revised to clarify the required functions of the electric locking system.   |
| 1010.1.9.9  | Electromagnetically locked egress doors            | 1010.1.9.10 | Door hardware release of electrically locked egress doors      | Section revised to permit door hardware release of electric locking systems on doors in the means of egress in all occupancies except Group H. Additional revisions clarify the required functions of all types of electrical locking systems which are operated or unlocked by operation of the door hardware such as panic hardware, fire exit hardware, or door knobs or levers. |
| 1010.1.9.10 | Locking arrangements in correctional facilities    | 1010.1.9.11 | Locking arrangements in buildings with correctional facilities | Section revised to permit egress control devices in all buildings with correctional and detention facilities.   |
| 1010.1.9.11 | Stairway doors                                     | 1010.1.9.12 | Stairway doors   | Exception 3 has been revised to apply to all stairway doors not just stairways serving not more than four stories.  |
| 1010.1.10   | Panic and fire exit hardware                       | 1010.1.10   | Panic and fire exit hardware                                   | Section revised to only apply to swinging doors.<br><br>Exception 2 has been revised to allow doors in the means of egress of Group A and E occupancy with occupant load of 50 or more be equipped with doors complying with Section 1010.1.9.9 for sensor release of electrically locked egress doors.   |
| 1010.3      | Turnstiles   | 1010.3      | Turnstiles and similar devices                                 | Section reformatted by relocating the capacity and clear width requirements for turnstiles to new sections for clarity.   |
|             |  | 1010.3.1    | Capacity   |   |
|             |  | 1010.3.1.1  | Clear width  |   |

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|          |                  |          |                            | Reference to new Section 1010.3.2 has been added for security access turnstiles.   |
| -        | -                | 1010.3.2 | Security access turnstiles | <p>New section added permitting security access turnstiles that inhibit travel in the direction of egress utilizing a physical barrier to be considered a component of the means of egress provided certain criteria are met. Some of the key criteria include:</p> <ul style="list-style-type: none"> <li>• The building is protected by an approved supervised automatic sprinkler system in accordance with Section 903.3.1.1.</li> <li>• Each turnstile has a clear passage width of 22 inches.</li> <li>• Depending on the clear passage width, the maximum egress capacity is determined.</li> <li>• The secured physical barrier is required to automatically retract or swing to the open position in the direction of egress for the specified conditions.</li> </ul> |
| 1010.3.2 | Additional door  | 1010.3.4 | Additional door            | New exception added to the requirement for a side-hinged swinging door for security access turnstiles that comply with Section 1010.3.2.   |
| 1011.10  | Spiral stairways | 1011.10  | Spiral stairways           | The minimum tread depth for spiral stairways has been reduced to 6 ¾ inches at a point 12 inches from the walkline.  |
| 1011.11  | Handrails        | 1011.11  | Handrails                  | Section revised to clarify that handrails are required on “flights of” stairways.  |
| 1011.16  | Ladders          | 1011.16  | Ladders                    | <p>New language added requiring permanent ladders to be constructed in accordance with Section 306.5 of the Florida Building Code, Mechanical.</p> <p>Item 6 has been revised to apply to ladders permitted to access equipment and appliances in accordance with Section 306.5 of the Florida Building Code, Mechanical.</p>  |

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| 1013.2   | Floor-level exit signs in Group R-1             | 1013.2   | Floor-level exit signs in Group R-1             | The maximum height of floor-level exit sign has been changed to no more than 18 inches above the floor level.   |
| 1013.4   | Raised character and braille exit signs         | 1013.4   | Raised character and braille exit signs         | The requirement that an exit sign in raised characters and braille complying with the Florida Building Code, Accessibility be provided adjacent to each door to an area of refuge has been revised to require such sign to an area of refuge that provides direct access to a stairway.   |
| 1013.6.3 | Power source                                    | 1013.6.3 | Power source                                    | Section revised for clarity by relocating the exception for Group I-2 Condition 2 exit sign illumination from an exception to a requirement in the main paragraph.  |
| 1014.1   | Where required (handrails)                      | 1014.1   | Where required (handrails)                      | Section revised to clarify that handrails are required on "flights of" stairways.   |
| 1015.3   | Height (guards)                                 | 1015.3   | Height (guards)                                 | A new exception to the minimum guard height has been added for Group F occupancies. Where exit access stairways serve three or fewer stories and are not open to the public and where the top of the guard also serves as the handrail, the top of the guard is permitted to be no less than 34 inches and not more than 38 inches measured from a line connecting the leading edges of the treads. |
| 1015.8   | Window openings                                 | 1015.8   | Window openings                                 | The minimum height of the top of the sill of an operable window opening above the finished floor requiring fall protection has been reduced from 36 inches to 24 inches.  |
| 1016.2   | Egress through intervening spaces (exit access) | 1016.2   | Egress through intervening spaces (exit access) | In Item 1, the requirement that access to not less than one of the required exits be provided without travel through the enclosed elevator lobbies required by Section 3006 has been revised to not apply if the lobby is only provided to meet the requirements of Section 3007.6 Exception 1  |
| 1017.3   | Measurement (exit access travel distance)       | 1017.3   | Measurement (exit access travel distance)       | Section revised to clarify that all potential paths of egress travel must be considered   |

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|          |   |          |   | for determining occupant remoteness for measuring exit access travel distance.  |
| 1019.3   | Occupancies other than Groups I-2 and I-3 (exit access stairways and ramps) | 1019.3   | Occupancies other than Groups I-2 and I-3 (exit access stairways and ramps) | Item 7 revised to clarify terminology by adding smoke-protected assembly seating.   |
| 1020.4   | Dead ends (corridors)   | 1020.4   | Dead ends (corridors)   | Group R-4 has been removed from Exception 2 for dead ends because single exit buildings do not have dead ends and Group R-4 is permitted to have single exits.  |
| 1023.3.1 | Extension (interior exit stairways and ramps)                               | 1023.3.1 | Extension (interior exit stairways and ramps)                               | New exception added to the separation requirements between an interior exit stairway or ramp and the exit passageway extension where the interior exit stair and the exit passageway extension are pressurized in accordance with Section 909.20.5. |
| 1023.5   | Penetrations  | 1023.5   | Penetrations  | Section revised to permit electrical raceway for security systems to penetrate into or through interior exit stairways and ramps.   |
| 1023.11  | Smokeproof enclosures   | 1023.11  | Smokeproof enclosures   | Reference to Section 412.3.2 for air traffic control towers has been added.   |
| -        | -   | 1023.12  | Standpipes  | New section added referencing Sections 905.3 and 905.4 for standpipes and standpipe hose connections for clarity.   |
| 1024.6   | Penetrations (exit passageways)   | 1024.6   | Penetrations (exit passageways)   | Penetrations into or through exit passageways have been revised to include two-way communication systems. The term sprinkler piping has been changed to fire protection systems for clarity.  |
| -        | -   | 1024.8   | Standpipes  | New section added referencing Sections 905.3 and 905.4 for standpipes and standpipe hose connections for clarity.   |
| 1025.2.5 | Obstacles (luminous egress path markings)                                   | 1025.2.5 | Obstacles (luminous egress path markings)                                   | New exception added to the minimum width of 1 inch for marking of obstacles into the egress path for markings listed in accordance with UL 1994.  |
| 1026.4   | Refuge area (horizontal exits)  | 1026.4   | Refuge area (horizontal exits)  | Section revised to clarify that the anticipated occupant load of the refuge area needs to be more than the total occupant load of the adjoining compartment.  |

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| 1026.4.1 | Capacity                                     | 1026.4.1 | Capacity                                     | The refuge area capacity requirements for Groups I-1, I-2, I-4, and Group B ambulatory care facilities have been relocated from the exception into the main body of the section.                    |
| -        | -  | 1026.5   | Standpipes                                   | New section added referencing Sections 905.3 and 905.4 for standpipes and standpipe hose connections for clarity.   |
| 1027.5   | Location (exterior exit stairways and ramps) | 1027.5   | Location (exterior exit stairways and ramps) | New exception added for Group R-3 occupancies that permits the minimum fire separation distance to be 5 feet.   |
| 1027.6   | Exterior exit stairway and ramp protection   | 1027.6   | Exterior exit stairway and ramp protection   | New exception added to exterior exit stairway and ramp separation for Group R-3 occupancies not more the 4 stories in height where the exterior exit stairway or ramp discharges directly to grade. |
| 1028.4.1 | Width or capacity (exit discharge)           | 1028.4.1 | Width or capacity (exit discharge)           | The requirement to use a 36-inch-tall guardrail to direct occupants toward the exit when the egress court exceeds the minimum required width has been deleted.                                      |
| 1029.6   | Capacity of aisle for assembly               | 1029.6   | Capacity of aisle for assembly               | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating.        |
| 1029.6.3 | Outdoor smoke-protected assembly seating     | 1029.6.3 | Open-air assembly seating                    | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating.        |
| 1029.7   | Travel distance                              | 1029.7   | Travel distance                              | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating.        |
| 1029.8   | Common path of egress travel                 | 1029.8   | Common path of egress travel                 | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating.        |

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| 1029.8.1    | Path through adjacent row   | 1029.8.1    | Path through adjacent row  | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating. |
| 1029.9.1    | Minimum aisle width   | 1029.9.1    | Minimum aisle width  | Section revised for consistency with accessibility requirements.   |
| 1029.9.5    | Dead end aisles   | 1029.9.5    | Dead end aisles  | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating. |
| 1029.10.2   | Transitions and stairways that maintain stepped aisle riser and tread dimensions. | 1029.10.2   | Transitions to stairways that maintain stepped aisle riser and tread dimensions. | Section revised to clarify the language regarding transitions between stepped aisles and stairways.  |
| 1029.10.2.1 | Stairways and stepped aisles in a straight run                                    | 1029.10.2.1 | Stairways and stepped aisles in a straight run                                   | Section revised to clarify the language regarding transitions between stepped aisles and stairways.  |
| 1029.10.2.2 | Stairways and stepped aisles that change direction                                | 1029.10.2.2 | Stairways that change direction from stepped aisles                              | Section revised to clarify the language regarding transitions between stepped aisles and stairways.  |
| 1029.10.3   | Transition marking  | 1029.10.3   | Transition marking   | Section revised to clarify the language regarding transitions between stepped aisles and stairways.  |
| -           | -   | 1029.11     | Stepped aisles at vomitories   | New sections added that address issues with stepped aisles around vomitories.  |
|             |   | 1029.11.1   | Stepped aisles that change direction at vomitories                               |  |
|             |   | 1029.11.2   | Stepped aisle transitions at the top of vomitories                               |  |
| 1029.12.2.1 | Dual access   | 1029.13.2.1 | Dual access  | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating. |
| 1029.12.2.2 | Single access   | 1029.13.2.2 | Single access  | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating. |

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| Table 1029.12.2.1                       | Smoke-Protected Assembly Aisle Accessways | Table 1029.13.2.1 | Smoke-Protected or Open-Air Assembly Aisle Accessways | Section revised to provide terminology consistency throughout Chapter 10 regarding exit access travel distance and the terms open-air assembly seating and smoke-protected assembly seating.  |
| <b>Chapter 11: Accessibility</b>        |   |                   |   |   |
| <i>No changes.</i>                      |   |                   |   |   |
| <b>Chapter 12: Interior Environment</b> |   |                   |   |   |
| 1207.2                                  | Airborne sound                            | 1207.2            | Airborne sound  | Section revised to add an alternative to determining the sound transmission class. Permits the sound transmission class of walls, partitions, and floor/ceiling assemblies to be established by an engineering analysis based on a comparison of walls, partitions, and floor/ceiling assemblies having sound transmission class ratings determined by the test procedures set forth in ASTM E90. |
| 1207.3                                  | Structure-borne sound                     | 1207.3            | Structure-borne sound                                 | Section revised to add an alternative to determining the impact insulation class. Permits the impact insulation class of floor/ceiling assemblies to be established by an engineering analysis based on a comparison of floor/ceiling assemblies having sound transmission class ratings determined by the test procedures set forth in ASTM E492.  |
| 1208.2                                  | Minimum ceiling heights                   | 1208.2            | Minimum ceiling heights                               | New language added to clarify that the minimum ceiling heights specified are to be measured from the finished floor.  |
| <b>Chapter 13: Energy Efficiency</b>    |   |                   |   |   |
| <i>No changes.</i>                      |   |                   |   |   |
| <b>Chapter 14: Exterior Walls</b>       |   |                   |   |   |
| 1406.3                                  | Balconies and similar projections         | 1406.3            | Balconies and similar projections                     | Reference sections and terminology have been changed to correlate with the consolidation of the heavy timber requirements in Section 2304.11.<br><br>Exception 2 (exception to using fire-resistance rated construction or heavy timber for balcony construction) now permits   |

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|   |   |          |   | the use of plastic composites that comply with ASTM D7032 and Section 2612 for pickets and rails or similar guard devices.   |
| 1407.10   | Type I, II, III and IV construction (Metal Composite Materials) | 1407.10  | Type I, II, III and IV construction (Metal Composite Materials) | <p>The application of MCMs and MCM systems have been simplified and clarified. The alternate installation conditions of Section 1407.11 have been deleted and the limitations and criteria for installing MCMs and MCM systems on buildings have been consolidated in Section 1407.10.</p> <p>For installations up to 40 feet above grade plane on Types I, II, III, and IV construction, MCMs and MCM systems must comply with the surface-burning characteristics and thermal barrier requirements specified in Section 1407.10.1 through 1407.10.3.</p> <p>For installations up to 40 feet above grade plane on Types I, II, III, and IV construction, MCMs and MCM systems must also comply with the full-scale test requirements of Section 1407.10.4</p> |
| 1407.11   | Alternate conditions (MCMs and MCM systems)                     | -        | -   | Sections 1407.11 through 1407.11.4.4 have been deleted in their entirety.  |
| <b>Chapter 15: Roof Assemblies and Rooftop Structures</b> |   |          |   |  |
| 1501.1  | Scope   | 1501.1   | Scope   | Exception for the HVHZ has been revised to also include reference to Section 1507.18.1 which requires solar photovoltaic panels/modules installed on roofs to comply with the Florida Fire Prevention Code. Inclusion of Section 1507.18.1 in the High Velocity Hurricane Zone will provide pathways on roofs for firefighter access consistent with the requirements throughout the rest of the State of Florida.   |
| 1503.1  | General   | 1503.1   | General   | Section revised editorially to clarify scoping language.   |
| -   | -   | 1504.3.3 | Metal roof shingles   |  |

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|              |  | Table 1504.3.3 | Classification of Metal Roof Shingles Tested in Accordance with ASTM D3161 | <p>New section requiring that metal roof shingles applied to a solid or closely fitted deck to be tested in accordance with FM 4474, UL 580, UL 1897, ASTM D3161, or TAS 107.</p> <p>New Table 1504.3.3 specifies the required classification of metal shingles tested to ASTM D3161 based on the ultimate design wind speed (similar to the classification requirements for asphalt shingles).</p> |
| 1504.5       | Edge securement for low-slope roofs                            | 1504.5         | Edge securement for low-slope roofs  | Section revised to correlate with ASCE 7-16 by adding a reference to new Figure 1609.3(4). Figure 1609.3(4) specifies the ultimate design wind speed for Risk Category IV buildings and structures.   |
| 1504.7       | Impact resistance  | 1504.7         | Impact resistance  | The reference section for the "Resistance to Foot Traffic Test" in FM 4474 has been updated to Section 4.6.   |
| Table 1505.1 | Minimum Roof Covering Classification for Types of Construction | Table 1505.1   | Minimum Roof Covering Classification for Types of Construction             | Note b has been revised to eliminate the option of using non-classified roof coverings on Group R-3 buildings. All buildings within the scope of the FBCR require a Class A, B, or C roof covering.   |
| -            | -  | 1505.8         | Building-integrated photovoltaic products                                  | New section requiring building-integrated photovoltaic products installed as the roof covering to be tested, listed, and labeled for fire classification in accordance with Section 1505.1 (See also Section 1510.7).   |
| -            | -  | 1505.9         | Roof-mounted photovoltaic panel systems                                    | New section requiring rooftop-mounted photovoltaic panel systems to be tested listed and identified with a fire classification in accordance with UL 1703 or UL2073. The fire classification is required to comply with Table 1505.1 based on the type of construction of the building. (See also Sections 1507.17.6 and 1510.7.)   |
| 1507.1.1     | Underlayment   | 1507.1.1       | Underlayment   |   |

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|                |                    | 1507.1.1.1       | Underlayment for asphalt, metal, mineral surfaced, slate and slate-type roof coverings | <p>Underlayment types and installation for all roof coverings have been revised to be consistent the recommendations from IBHS to create a “sealed roof deck.” The key changes are as follows:</p> <ul style="list-style-type: none"> <li>• Where felt underlayment is used, it must be 30# or equivalent (ASTM D 226 Type II, ASTM D4869 Types III or IV).</li> <li>• Installation techniques such as number of plies, lapping, and fastener spacing has been strengthened.</li> <li>• Where self-adhering strips/tapes are applied over roof deck joints, a 30# equivalent underlayment with enhanced fastening is required over the strips/tapes.</li> </ul> <p>Underlayment for concrete and clay tile roofs is required to be in accordance FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual.</p> <p>A new exception permits an existing self-adhered membrane to remain on the roof provided that, if required, re-nailing of the roof deck in accordance with Section 706.7.1 of the FBCEB can be confirmed or verified. An approved underlayment for the applicable roof coverings is required to be applied over the existing self-adhered membrane.</p> |
|                |                    | 1507.1.1.2       | Underlayment for concrete and clay tile  |   |
|                |                    | 1507.1.1.3       | Underlayment for wood shakes and shingles.   |   |
| Table 1507.1.1 | Underlayment Table | -                | -  | Table has been deleted.   |
| -              | -                  | Table 1507.1.1.1 | Underlayment with Self-Adhering Strips Over Roof Deck Joints                           | New table specifies the required underlayment types, lapping, and fasteners where self-adhering strips/tapes are applied to the roof deck joints.   |

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| 1507.2.7.1     | Wind resistance of asphalt shingles                   | 1507.2.7.1     | Wind resistance of asphalt shingles                   | Section revised to clarify that shingle wrappers have to be labeled.   |
| 1507.2.9.3     | Drip edge   | 1507.2.9.3     | Drip edge   | Section revised to require that drip edge at gables be installed over the underlayment.  |
| 1507.3         | Clay and concrete tile                                | 1507.3         | Clay and concrete tile                                | Sections 1507.3.1 through 1507.3.9 have been revised to reference the updated <i>FRSA/TRI Florida High Wind Concrete and Clay Roof Tile Installation Manual, 6<sup>th</sup> Edition</i> . The 6 <sup>th</sup> Edition has been updated to comply with ASCE 7-16.         |
| Table 1507.9.6 | Wood Shake Material Requirements                      | Table 1507.9.6 | Wood Shake Material Requirements                      | AWPA U1 references have been updated for preservative-treated taper sawn shakes of Southern Pine.  |
| 1507.11.2      | Material standards (modified bitumen roofing)         | 1507.11.2      | Material standards (modified bitumen roofing)         | Section revised to delete the withdrawn standard CGSB 37-GP-56M.   |
| 1507.12.2      | Material standards (thermoset single-ply roofing)     | 1507.12.2      | Material standards (thermoset single-ply roofing)     | Section revised to delete the withdrawn standard CGSB 37-GP-56M.   |
| 1507.13.2      | Material standards (thermoplastic single-ply roofing) | 1507.13.2      | Material standards (thermoplastic single-ply roofing) | Section revised to delete the withdrawn standard CGSB 37-GP-56M.   |
| 1510.2.5       | Type of construction (rooftop structures)             | 1510.2.5       | Type of construction (rooftop structures)             | Reference sections and terminology have been changed to correlate with the consolidation of the heavy timber requirements in Section 2304.11.  |
| 1510.3         | Tanks   | 1510.3         | Tanks   | Reference sections and terminology have been changed to correlate with the consolidation of the heavy timber requirements in Section 2304.11.  |
| 1510.7.1       | Wind resistance of photovoltaic systems               | 1510.7.1       | Wind resistance of photovoltaic systems               | The specified wind design criteria for rooftop-mounted photovoltaic systems has been deleted and replaced with a reference to designing for wind loads in accordance with ASCE 7. ASCE 7-16 includes new wind design criteria for roof-top mounted photovoltaic systems. |
| -              | -   | 1510.11        | Cable- and raceway-type wiring methods                | New section requires metal electrical conduit to be encased in concrete or supported above the roof covering when installed on roofs. Additionally, where metal  |

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|              |   |              |   | electrical conduit is installed under corrugated metal sheet roof decking, it is required to be located not less than 1.5 inches from the lowest surface of the roof decking.   |
| 1511.5       | Reinstallation of materials                                 | 1511.5       | Reinstallation/reuse of materials                           | Section revised to clarify that existing or salvaged slate, clay, or concrete tile is permitted for reinstallation or reuse, to repair an existing roof provided it is of like kind in material and profile. New language specifically permits the building official to permit salvaged slate, clay, concrete tile on additions and new construction provided the tile is tested and installed in accordance with Section 1507. |
| 1514.4       | Roof drainage (HVHZ)  | 1514.4       | Roof drainage (HVHZ)  | New language added indicating that if roof drains are required, they must comply with the Florida Building Code, Plumbing.  |
| 1514.4.2     | Overflow drains and scuppers (HVHZ)                         | 1514.4.2     | Overflow drains and scuppers (HVHZ)                         | Section revised to require overflow drains and scuppers be sized in accordance with ASCE 7, Chapter 8 with commentary in addition to the Florida Building Code, Plumbing.   |
| 1514.4.2.2   | Sizing of scuppers and roof drains on existing roofs (HVHZ) | 1514.4.2.2   | Sizing of scuppers and roof drains on existing roofs (HVHZ) | Section revised to clarify that when recovering, reroofing, or repairing an existing roof, the existing size of required scuppers and/or roof drains are prohibited from being reduced unless a new drainage system is designed by a registered design professional.  |
| 1514.4.3     | Sizing and discharge (HVHZ)                                 | 1514.4.3     | Sizing and discharge (HVHZ)                                 | Section revised to require roof drains, gutters, conductors, and leaders to be sized in accordance with ASCE 7, Chapter 8 with commentary in addition to the Florida Building Code, Plumbing.   |
| Table 1515.2 | Minimum Slope (HVHZ)  | Table 1515.2 | Minimum Slope (HVHZ)  | New note added to table permitting standing seam metal roof panel systems that pass the requirements of the Static Water Leakage Test criteria of FM 4471 Appendix  |

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|                                      |   |                      |  | G, to be installed to a minimum slope of 1:12.  |
| 1521.13                              | Owner notification of the possibility of ponding water (HVHZ) | 1521.13              | Owner notification of the possibility of ponding water (HVHZ)  | Section revised to remove the reference to notification by means of the roofing permit and required owner's notification. This requirement has been removed from the HVHZ standard roofing application form.                          |
| 1523.6.4                             | Single-ply systems deflection requirements (HVHZ)             | 1523.6.4             | Single-ply systems deflection requirements (HVHZ)              | Section revised indicating that single-ply roofing systems are not required to meet the deflection requirements in TAS 124 if mechanically attached.  |
| -                                    | -   | 1523.6.5.2.4<br>.1.1 | Minimum slope of standing seam metal roof panel systems (HVHZ) | New section permitting standing seam metal roof panel systems that pass the requirements of the Static Water Leakage Test criteria of FM 4471 Appendix G, to be installed to a minimum slope of 1:12.                                 |
| 1525                                 | High-Velocity Hurricane Zones – Uniform Permit Application    | 1525                 | High-Velocity Hurricane Zones – Uniform Permit Application     | The uniform roofing permit application form for the HVHZ has been updated for consistency with ASCE-16. The specified roof zones have been revised to correlate with the new roof zone designations in ASCE 7-16.                     |
| <b>Chapter 16: Structural Design</b> |   |                      |  |   |
| 1603.1.8                             | Special loads   | 1603.1.8             | Special loads  | Section revised to require machinery or equipment loads which are a greater magnitude than the loads defined in the specified floor and roof loads, to be specified by their description and locations on the construction documents. |
| -                                    | -   | 1603.1.9             | Roof rain load data  | New section requiring specific roof rain load data to be included on the construction documents. The rain load and rain intensity, <i>i</i> , are required to be identified.  |
| 1604.3.3                             | Steel (deflection criteria)                                   | 1604.3.3             | Steel (deflection criteria)                                    | Section revised to update the Steel Joist Institute standards which have been combined into SJI 100 and SJI 200.  |
| Table 1604.3                         | Deflection Limits   | Table 1604.3         | Deflection Limits  | Note "d" has been revised to recognize different creep behavior of specific wood products in accordance with the NDS.   |

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| 1604.5.1     | Multiple occupancies (Risk Category assignment)                                       | 1604.5.1      | Multiple occupancies (Risk Category assignment)                                       | New exception added to clarify that the entire building does not have to be classified as Risk Category IV where a storm shelter designed and constructed in accordance with ICC 500 is provided. The risk category for the normal occupancy of the building applies unless the storm shelter is a designated emergency shelter.   |
| 1605.2.1     | Other loads (flood)   | 1605.2.1      | Other loads (flood)   | Section references have been updated to correlate with ASCE 7-16.  |
| Table 1607.1 | Minimum Uniformly Distributed Live Loads, $L_o$ , and Minimum Concentrated Live Loads | Table 1607.1  | Minimum Uniformly Distributed Live Loads, $L_o$ , and Minimum Concentrated Live Loads | Uniform live loads for balconies and decks have been modified to be 1.5 times the live load for the area served but not more than 100 psf. This change will align the uniform live loads on decks and balconies with ASCE 7-16.<br><br>Additionally, the table and notes have been revised to identify more clearly which live loads are permitted to be reduced and which ones are not. |
| 1607.4       | Concentrated live loads   | 1607.4        | Concentrated live loads   | Editorial clarification that roofs have to be designed for concentrated live loads.  |
| 1607.8       | Loads on handrails, guards, grab bars, seats, and vehicle barriers                    | 1607.8        | Loads on handrails, guards, grab bars and seats                                       | Section editorially revised for clarity.   |
| 1607.9.3     | Elements supporting hoists for facade access equipment                                | 1607.9.3      | Elements supporting hoists for facade access and building maintenance equipment       | Section editorially revised for consistency with ASCE 7-16.  |
| 1607.9.4     | Lifeline anchorages for facade access equipment                                       | 1607.9.4      | Fall arrest and lifeline anchorages   | Section editorially revised for consistency with ASCE 7-16.  |
| 1607.12.3.1  | Vegetative and landscaped roofs   | 1607.12.3.1   | Vegetative and landscaped roofs   | Section revised to require the weight of all landscaping materials to be determined in accordance with Section 3.1.4 of ASCE 7 instead of ASTM 2397.   |
| 1607.12.5.1  | Roof live load  | 1607.12.5.1   | Roof live load  | Section editorially reformatted to clarify that roof assemblies and supporting structures are designed, not the roof surfaces.   |
| -            | -   | 1607.12.5.2.1 | Photovoltaic panels installed on open-grid roof structures                            | New section requiring structures with open grid framing and no roof deck or sheathing  |

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|           |   |                  |   | supporting photovoltaic panel systems to be designed to support the roof live loads specified in Section 1607.12.5.1. The uniform roof live load is permitted to be reduced to 12 psf.   |
| -         | -   | 1607.14.2        | Fire walls (live loads)   | New section added requiring fire walls to withstand a minimum horizontal allowable stress load of 5 psf.   |
| 1609.1.1  | Determination of wind loads   | 1609.1.1         | Determination of wind loads   | <p>The reference to the alternate all-heights method for determining wind loads in Section 1609.6 has been deleted.</p> <p>Exception 4 has been revised to add the title <i>Guide Specifications for Design of Metal Flagpoles</i> to the standard reference NAAMM FP 1001.</p> <p>Chapter 35 has been revised to update ASCE 7 to the 2016 edition (ASCE 7-16).</p>   |
| -         | -   | Figure 1609.3(3) | Ultimate Design Wind Speed, $V_{ult}$ , for Risk Category IV Buildings and Other Structures                                   | <p>A new wind speed map specific to Risk Category IV buildings and structures has been added. Figure 1609.3(2) now only applies to Risk Category III buildings and structures. The new wind speed map is consistent with ASCE 7-16 and is based on a mean recurrence interval of 3000 years.</p> <p>Numerous sections throughout the code have been modified to incorporate reference to Figure 1609.3(3).</p> |
| 1609.6    | Alternate all-heights method  | -                | -   | The alternate all-heights method for determining wind loads has been deleted in its entirety.  |
| 1609.7(1) | Nominal (ASD) Garage Door and Rolling Door Wind Loads for a Building with a Mean Roof Height of 30 feet Located in Exposure B | 1609.6(1)        | Nominal (ASD) Garage Door and Rolling Door Wind Loads for a Building with a Mean Roof Height of 30 feet Located in Exposure B | Design pressure values in the table less than 10 psf have been revised to be 10 psf minimum. Note 2 has been revised to clarify that the minimum positive and negative ASD wind load for garage doors is 10 psf.   |

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| 1609.8 | Rooftop equipment                         | -        | -   | Section 1609.8 has been deleted as the requirements are now covered in ASCE 7-16.  |
| -      | -   | 1612.4.2 | Modification of ASCE 24 9.6 Pools         | A new exception has been added that modifies Section 9.6 of ASCE 24 regarding pools. The exception permits equipment for pools, spas and water features to be located below the elevation required in Table 7-1 of ASCE 24 provided the equipment is elevated to the extent practical, is anchored to prevent flotation and resist flood forces, and is supplied by branch circuits that have ground-fault circuit-interrupter protection. |
| 1615.1 | General (structural integrity)            | 1615.1   | General (structural integrity)            | General section revised to clarify that Section 1615.3 applies to frame structures and Section 1615.4 applies to bearing wall structures.  |
| 1620.2 | Design wind speeds (HVHZ)                 | 1620.2   | Design wind speeds (HVHZ)                 | Specific design wind speeds have been added for Risk Category IV buildings and structures located in the HVHZ for consistency with ASCE 7-16. For Miami-Dade County, the Risk Category IV wind speed for the entire county is 195 mph. For Broward County, the Risk Category IV wind speed for the entire county is 185 mph.   |
| 1620.6 | Rooftop equipment and structures (HVHZ)   | 1620.6   | Rooftop equipment and structures (HVHZ)   | The wind loading criteria for rooftop structures has been deleted and the section now references ASCE 7 for wind loads on rooftop structures. The specific requirements are now covered in ASCE 7-16.  |
| 1626.1 | Impact tests for wind-borne debris (HVHZ) | 1626.1   | Impact tests for wind-borne debris (HVHZ) | The exception to impact testing for louvers has been revised to require that they also comply with Section 1626.5.3. New section 1626.5.3 requires open and closed louvers to comply with the uniform pressure testing required in TAS 202 and either the cyclical wind pressure loading required in TAS 203 or impact and cyclical pressure testing of AMCA 540.  |

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| -  | -                           | 1626.5 | Louvers (HVHZ)                          | <p>New sections have been added specifying impact criteria for louvers. Louvers located on the building envelope and within 30 feet of grade are now required to meet AMCA 540 or TAS 201 (large missile) or protected with an impact-resistant cover complying with TAS 201 (large missile), TAS 202, and TAS 203.</p> <p>Louvers required to be open for life safety purposes and located within 30 feet of grade are required to comply with AMCA 540 or TAS 201 (large missile).</p> <p>Open and closed louvers are required to comply with the uniform pressure testing required in TAS 202 and either the cyclical wind pressure loading required in TAS 203 or impact and cyclical pressure testing of AMCA 540.</p> |
| <b>Chapter 17: Special Inspections and Tests</b> |                             |        |   |   |
| -  | -                           | 1710   | Anchorage of window and door assemblies | <p>New section added specifying minimum anchorage requirements for window and door assemblies. These same requirements are in the FBCR and were also in the 2010 FBCB. The requirements were inadvertently omitted from the 5<sup>th</sup> Edition (2014) and 6<sup>th</sup> Edition (2017) FBCB. The provisions address anchorage to masonry, concrete, or other structural substrate and wood or other approved framing materials.</p>  |
| <b>Chapter 18: Soils and Foundations</b>         |                             |        |   |   |
| 1804.1   | Excavation near foundations | 1804.1 | Excavation near foundations             | <p>Section revised to clarify that soil support below foundations is required in all directions for excavations. Clarifies that excavations cannot reduce the vertical support for any foundation without underpinning or other form of protection.</p>   |
| 1804.4   | Site grading                | 1804.4 | Site grading                            | <p>Section revised to permit the slope of impervious surfaces within 10 feet of a</p>   |

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|                             |   |              |   | building to be sloped less than 2% for landings and ramps as permitted in Sections 1010.1.5, 1012.3, or 1012.6.1.  |
| 1807.1.4                    | Permanent wood foundation systems                   | 1807.1.4     | Permanent wood foundation systems                         | Editorial revision to update current AWPA section references.  |
| 1810.3.3.1.6                | Uplift capacity of grouped deep foundation elements | 1810.3.3.1.6 | Allowable uplift load of grouped deep foundation elements | Editorial revision to remove the term “working” from working uplift load as it is an outdated term and is confusing.   |
| 1810.3.5.2.1                | Cased pile (minimum dimension)                      | 1810.3.5.2.1 | Cased pile (minimum dimension)                            | Editorial correction to clarify that cased grouted-in-place piles are required to have a nominal outside diameter of not less than 8 inches.   |
| 1810.3.5.2.2                | Uncased pile (minimum dimension)                    | 1810.3.5.2.2 | Uncased pile (minimum dimension)                          | Editorial correction to clarify that cased grouted-in-place piles are required to have a nominal outside diameter of not less than 12 inches.<br><br>The term average diameter has been changed to specified diameter for clarity. |
| 1810.5.2.3                  | Micropiles (minimum dimensions)                     | 1810.5.2.3   | Micropiles (minimum dimensions)                           | The term outside diameter has been changed to nominal diameter to correlate with the upper end of conventionally available diameters of pipe used for micropiles.  |
| 1810.3.11                   | Pile caps   | 1810.3.11    | Pile caps   | Section revised to permit the bearing capacity of the soil below the pile cap to be considered as carrying vertical load in some situations.   |
| 1810.4.4                    | Pre-excavation                                      | 1810.4.4     | Pre-excavation  | Section revised to require that all pile types meet this section, not just driven piles.   |
| <b>Chapter 19: Concrete</b> |   |              |   |  |
| 1909.1                      | Reinforced concrete (special wind provisions)       | 1909.1       | Reinforced concrete (special wind provisions)             | Section revised to add reference to the Risk Category IV wind speed map (Figure 1609.3(3)) for correlation with Chapter 16 and ASCE 7-16.  |
| <b>Chapter 20: Aluminum</b> |   |              |   |  |
| <i>No changes</i>           |   |              |   |  |
| <b>Chapter 21: Masonry</b>  |   |              |   |  |

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| 2101.2   | Design methods   | 2101.2   | Design methods   | Section revised to add TMS 404 <i>Standard for the Design of Architectural Cast Stone</i> as a design method for masonry.  |
| 2103.1   | Masonry units  | 2103.1   | Masonry units  | Section revised to require architectural cast stone to also comply with TMS 504. New language requires adhered manufactured stone masonry veneer units to comply with ASTM C1670.  |
| 2104.1   | Masonry construction   | 2104.1   | Masonry construction   | Section revised to permit masonry construction to also comply with either TMS 602 or TMS 604.  |
| 2107.2   | Alternate to TMS 402, Section 8.6.1.7.1.1  | 2107.2   | Alternate to TMS 402, Section 6.1.6.1.1  | Section references in TMS 402 have been updated.   |
| 2107.2.1 | Lap splices (Alternate to TMS 402, Section 8.6.1.7.1.1)  | 2107.2.1 | Lap splices (Alternate to TMS 402, Section 6.1.6.1.1)  | Section references in TMS 402 have been updated.<br><br>The lap splice length in regions of moment where the design tensile stresses in the reinforcement are greater than 80 percent of the allowable tension stress has been revised such that the required increase need not exceed 72 d <sub>b</sub> . |
| 2107.3   | TMS 402/ACI 530/ASCE 5, Section 8.1.6.7, splices of reinforcement modification                                   | 2107.3   | TMS 402, Section 6.1.6.1, splices of reinforcement modification                                    | Section references in TMS 402 have been updated.   |
| 2107.4   | TMS 402 /ACI 530/ASCE 5, Section 8.3.6, maximum bar size modification  | -        | -  | Section deleted in its entirety.   |
| 2107.5   | TMS 402/ACI 530/ASCE 5, Section 5.4 Pilasters modification   | 2107.5   | TMS 402, Section 5.4 modification  | The modification to TMS 402 permitting walls interfacing with pilasters to not be considered as flanges has been deleted.  |
| 2107.6   | TMS 402 /ACI 530/ASCE 5, Section 6.1.5.1 Development of bar reinforcement in tension or compression modification | 2107.6   | TMS 402, Section 6.1.5.1.1 Development of bar reinforcement in tension or compression modification | Section references in TMS 402 have been updated.<br><br>The required development length of reinforcing bars has been changed to be not less than 12 inches.  |
| 2108.2   | TMS 402 /ACI 530/ASCE 5, Section 9.3.3.3 6.1.5.1.1, development modification                                     | -        | -  | Section deleted in its entirety.   |

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| 2108.3                   | TMS 402 /ACI 530/ASCE 5, Section 6.1.6.1, splices modification   | -      | -  | Section deleted in its entirety.  |
| 2108.4                   | TMS 402 /ACI 530/ASCE 5, Section 6.1.5.1 Development of bar reinforcement in tension or compression modification | 2107.6 | TMS 402, Section 6.1.5.1.1 Development of bar reinforcement in tension or compression modification | Section references in TMS 402 have been updated.<br><br>The required development length of reinforcing bars has been changed to be not less than 12 inches.   |
| 2109                     | Empirical Design of Masonry  | -      | -  | The provisions for empirical design of masonry have been deleted as they do not apply in the State of Florida due to wind speed limitations.  |
| -                        | -  | 2109   | Dry-stack Masonry  | New section requiring dry-stack masonry to comply with Chapters 1 through 8 TMS 402 as modified by new Sections 2109.2 through 2109.5.<br><br>Dry-stack masonry is prohibited in Risk Category IV structures.<br><br>Maximum allowable stresses for dry-stack masonry are specified in new Table 2109.4.<br><br>Construction of dry-stack masonry is required to comply with ASTM C946. |
| <b>Chapter 22: Steel</b> |  |        |  |   |
| 2203.1                   | Identification of steel  | 2203.1 | Identification of steel  | Section updated to reflect the latest generation of AISI standards for cold-formed steel.   |
| 2203.2                   | Protection of steel  | 2203.2 | Protection of steel  | Section updated to reflect the latest generation of AISI standards for cold-formed steel.   |
| 2207.1                   | General (steel joists)   | 2207.1 | General (steel joists)   | Section updated to reflect the latest generation of AISI standards for cold-formed steel.   |
| -                        | -  | 2209.2 | Cantilevered steel storage racks   | New section requiring the design, testing, and utilization of cantilevered storage racks made of cold-formed or hot-rolled steel  |

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|                         |  |          |   | structural members to be in accordance with RMI ANSI/MH 16.3.   |
| 2211.1                  | General (cold-formed steel light-frame construction) | 2211.1   | Structural (cold-formed steel light-frame construction) | Requirements for structural and nonstructural cold-formed steel light-frame construction have been separated into 2 subsections. Section 2211.1 now only addresses structural cold-formed steel light-frame construction. New Section 2211.2 addresses nonstructural cold-formed steel light-frame construction.<br><br>Section 2211 has been revised throughout to reflect changes in AISI S240. |
| 2211.2                  | Headers  | -        | -   | Section deleted.  |
| -                       | -  | 2211.2   | Nonstructural members                                   | New section requiring nonstructural members of cold-formed steel light-frame construction to comply with AISI S220. This requirement was previously located in Section 2211.1.  |
| 2211.3                  | Truss design   | 2211.1.3 | Truss design  | Requirements for cold-formed steel trusses are updated and streamlined to reflect changes in AISI S240. Additionally, in the process of merging the old AISI S214 into the new AISI S240, requirements for truss design drawings were relocated to AISI S202. Consequently, a direct pointer was added to Section 2211.1.3.1.   |
| 2211.3.2                | Deferred submittals                                  | -        | -   | Section deleted.  |
| 2211.4                  | Structural wall stud design                          | -        | -   | Section deleted.  |
| 2211.5                  | Floor and roof system design                         | -        | -   | Section deleted.  |
| 2211.6                  | Lateral design                                       | -        | -   | Section deleted.  |
| 2214.3                  | Steel standards (HVHZ)                               | 2214.3   | Steel standards (HVHZ)                                  | Standard references for steel design and construction have been updated to correlate with the latest industry standards.  |
| <b>Chapter 23: Wood</b> |  |          |   |   |
| 2303.1.7                | Hardboard  | 2303.1.7 | Hardboard   | Section editorially revised to clarify that hardboard is required to comply with ANSI A135.6 and where used structurally must be identified by the label of an approved agency.   |

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| 2303.1.9        | Preservative-treated wood                                    | 2303.1.9         | Preservative-treated wood   | Language referencing AWPA U1 and M4 standards has been updated for clarity and consistency with current section references in the AWPA standards.  |
| 2303.2.2        | Other means during manufacture (fire-retardant-treated wood) | 2303.2.2         | Other means during manufacture (fire-retardant-treated wood)  | Section revised to clarify that wood products produced by other means during manufacture applies to wood products impregnated with chemicals.<br><br>New language explicitly prohibits the use of paints, stains, or other surface treatments as approved methods of protection as required in this section.                                   |
| 2303.2.4        | Labeling (fire-retardant-treated wood)                       | 2303.2.4         | Labeling (fire-retardant-treated wood)  | Section revised to clarify that fire-retardant-treated wood must have 2 labels: one for the grading of the wood and the other for the treatment.   |
| 2304.8.2        | Structural roof sheathing                                    | 2304.8.2         | Structural roof sheathing   | Section revised to clarify that wood structural panel roof sheathing is required to be a type manufactured with exterior glue (Exposure 1 or Exterior).  |
| 2304.9.3.2      | Nailing (mechanically laminated decking)                     | 2304.9.3.2       | Nailing (mechanically laminated decking)  | New alternative fastener schedules have been added for construction of mechanically laminated decking providing specific guidance for the use mechanically driven nails. The new fastening schedules are based on equivalency to the 20d common nail currently required in Section 2304.9.3.2 for laminations with a 2-inch nominal thickness. |
| -               | -  | Table 2304.9.3.2 | Fastening Schedule for Mechanically Laminated Decking Using Laminations of 2-inch Nominal Thickness |  |
| Table 2304.10.1 | Fastening Schedule   | Table 2304.10.1  | Fastening Schedule  | The minimum fastening schedule table has been revised for clarity.<br><br>In Item 7 the length of a 10d common nail has been corrected to be 3 inches. The equivalent number of 16d box nails to common nails has been corrected to be 4.  |

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|             |  |             |  | <p>Item 17 has been deleted because top or bottom plate to stud nailing is redundant with nailing in Item 16.</p> <p>The minimum nail size for roof sheathing has been changed from 8d box to an 8d common nail.</p> <p>The ring shank roof sheathing nail (RSRS-01) has been added for attaching wood structural panel roof sheathing.</p> |
| 2304.10.5   | Fasteners and connectors in contact with preservative-treated and fire-retardant-treated wood    | 2304.10.5   | Fasteners and connectors in contact with preservative-treated and fire-retardant-treated wood    | New language added requiring stainless steel driven fasteners to be in accordance with the material requirements of ASTM F1667.   |
| 2304.10.5.1 | Fasteners and connectors for preservative-treated wood   | 2304.10.5.1 | Fasteners and connectors for preservative-treated wood   | New language added requiring staples to be of stainless steel where in contact with preservative-treated wood.  |
| 2304.10.5.3 | Fasteners for fire-retardant-treated wood used in exterior applications or wet or damp locations | 2304.10.5.3 | Fasteners for fire-retardant-treated wood used in exterior applications or wet or damp locations | New language added requiring staples to be of stainless steel where in contact with fire-retardant-treated wood used in exterior applications or wet or damp locations.   |
| 2304.11     | Heavy timber construction  | 2304.11     | Heavy timber construction  | New reference to Section 2304.9 for lumber decking to make users aware of the detailing and fastening of lumber decking where applicable to heavy timber construction.  |
| 2304.12.2.2 | Posts or columns (protection against decay and termites)   | 2304.12.2.2 | Posts or columns (protection against decay and termites)   | The exception to the requirement that posts or columns be naturally durable or preservative-treated wood when in direct contact with earth has been reformatted into a numbered list.   |
| 2304.12.2.5 | Supporting members for permeable floors and roofs  | 2304.12.2.5 | Supporting members for permeable floors and roofs  | New language has been added requiring the impervious moisture barrier system protecting the structure-supported floors to provide positive drainage of water that infiltrates the moisture-permeable floor topping.   |
| -           | -  | 2304.12.2.6 | Ventilation required beneath balcony or elevated waling surfaces                                 | New section requiring enclosed framing in exterior balconies and elevated walking   |

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|                 |  |                 |  | surfaces that are exposed to rain, snow, or drainage from irrigation to be provided with openings that provide a net free cross ventilation area not less than 1/150 of the area of each separate space.                                      |
| 2305.2          | Diaphragm deflection   | 2305.2          | Diaphragm deflection   | The formulas for determining the deflection of wood-frame diaphragms fastened with staples has been updated for consistency with the AWC SDPWS.   |
| Table 2305.2(2) | Values of Gt for Use in Calculating Deflection of Wood Structural Panel Shear Walls and Diaphragms | Table 2305.2(2) | Values of Gt for Use in Calculating Deflection of Wood Structural Panel Shear Walls and Diaphragms | Note a has been editorially revised for clarity.  |
| 2305.3          | Shear wall deflection  | 2305.3          | Shear wall deflection  | The formulas for determining the deflection of wood-frame shear walls fastened with staples has been updated for consistency with the AWC SDPWS.  |
| 2306.1          | Allowable stress design (reference standards)  | 2306.1          | Allowable stress design (reference standards)  | The referenced standards for ANSI A190.1 for structural glued laminated timber have been updated. ANSI/AITC A190.1 is now designated as ANSI A190.1 and AITC 117 is now designated as ANSI 117. Both ANSI standards are now published by APA. |
| 2308            | Conventional Light-Frame Construction  | -               | -  | Section 2308 has been deleted in its entirety. The conventional light-frame provisions do not apply in Florida due to design wind speed limitations.  |
| 2314.1          | Design (HVHZ)  | 2314.1          | Design (HVHZ)  | Section revised to clarify that wood members and their fastening have to be designed to comply with ASCE 7.   |
| 2314.4.3        | APA standards (HVHZ)   | 2314.4.3        | APA standards (HVHZ)   | The APA referenced standards have been updated to include ANSI 117 and ANSI A190.1.   |
| 2314.4.7        | AWC standards (HVHZ)   | 2314.4.7        | AWC standards (HVHZ)   | The AWC standards have been updated to correlate with the latest industry standards.  |
| 2318.1.1        | Minimum size (studs) (HVHZ)  | 2318.1.1        | Minimum size (studs) (HVHZ)  | Section revised to clarify the minimum stud sizes specified are nominal sizes.  |
| 2319.13         | Heavy timber construction (HVHZ)   | 2319.13         | Heavy timber construction (HVHZ)   | Section revised to clarify that heavy timber construction is required to be designed to   |

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|                                      |                                      |          |                                      | comply with ASCE 7 using a rational analysis.  |
| 2322.2.3                             | Plywood roof sheathing (HVHZ)        | 2322.2.3 | Plywood roof sheathing (HVHZ)        | Section revised to clarify that plywood roof sheathing is required to be designed to comply with ASCE 7.   |
| 2322.2.5                             | Nails (roof sheathing) (HVHZ)        | 2322.2.5 | Nails (roof sheathing) (HVHZ)        | The prescriptive nail spacing for attaching roof sheathing has been deleted. Nails and nail spacings are now required to be designed in accordance with ASCE 7.  |
| 2322.2.5.1                           | Nail dimensions (HVHS)               | -        | -                                    |  |
| 2322.2.5.2                           | Nail dimensions at gable ends (HVHZ) | -        | -                                    |  |
| <b>Chapter 24: Glass and Glazing</b> |                                      |          |                                      |  |
| 2405.3                               | Screening                            | 2405.3   | Screening                            | The entire section on screening for skylights and sloped glazing has been rewritten due to inconsistent interpretations from local code officials. The new language clearly states that laminated glass with a 30-mil interlayer does not require screens.<br><br>The term “broken glass retention” has been added to this section to fully describe the screen’s purpose. This is to ensure they are not confused with insect screens or fall protection screens, which are physically different and will not serve as effective retention screens. |
|                                      |                                      | 2405.3.1 | Screens under monolithic glazing     |  |
|                                      |                                      | 2405.3.2 | Screens under multiple-layer glazing |  |
|                                      |                                      | 2405.3.3 | Screens not required                 |  |
| 2406.4.5                             | Glazing and wet surfaces             | 2406.4.5 | Glazing and wet surfaces             | New exception added permitting the outboard sacrificial panes in laminated glass to not comply with CPSC 16 CFR Part 1201 provided the exterior of the unit is not exposed to any of the hazardous locations specified in Section 2406.4.3 or 2406.4.5.  |
| 2407.1.1                             | Loads                                | 2407.1.1 | Loads                                | Section revised to clarify that panels and support systems are required to be designed using a factor of safety of 4.  |
| 2407.1.2                             | Support                              | 2407.1.2 | Structural glass baluster panels     | Section revised to clarify the requirements for glass panels that are used as a structural component in a guard. The revised language specifically requires an attached top rail or handrail for guards with structural glass baluster panels. The exception has been revised to not require a top rail or   |

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|   |  |              |  | handrail where the glass baluster panels are laminated glass with two or more glass plies of equal thickness and of the same glass type, and the panels are tested to remain in place as a barrier following impact or glass breakage in accordance with ASTM E2353.   |
| 2409.1                                      | Glass walkways   | 2409.1       | Glass walkways   | Section revised to also require glass walkway assemblies to comply with the fire-rated glazing marking requirements where applicable.  |
| 2411.3.2.1                                  | Tests (operative window and door assemblies) (HVHZ)              | 2411.3.2.1   | Tests (operative window and door assemblies) (HVHZ)              | Section revised to remove the reference standards no longer maintained by AAMA. The forced entry resistance test is now required to comply with AAMA/WDMA/CSA 101/I.S.2/A440.  |
| <b>Chapter 25: Gypsum Board and Plaster</b> |  |              |  |  |
| Table 2506.2                                | Gypsum Board and Gypsum Panel Products Materials and Accessories | Table 2506.2 | Gypsum Board and Gypsum Panel Products Materials and Accessories | Table revised to add factory-laminated gypsum panel products complying with ASTM D1766. Also adds expandable foam adhesives for fastening gypsum wallboard complying with ASTM D6464.<br><br>Reference standards for structural and nonstructural cold-formed steel studs and tracks have been updated to AISI S240 and AISI 220 respectively. |
| Table 2507.2                                | Lath, Plastering Materials and Accessories                       | Table 2507.2 | Lath, Plastering Materials and Accessories                       | Reference standards for structural and nonstructural cold-formed steel studs and tracks have been updated to AISI S240 and AISI 220 respectively.  |
| -   | -  | 2508.4       | Adhesives  | New section requiring an approved fastening method for gypsum board and gypsum panel products secured to framing with adhesives in ceiling assemblies.   |
| Table 2509.2                                | Backerboard Materials (showers and water closets)                | Table 2509.2 | Backerboard Materials (showers and water closets)                | Table revised to add fiber-reinforced gypsum panels complying with ASTM C1278.   |
| 2510.6                                      | Water-resistive barriers   | 2510.6       | Water-resistive barriers   | New exception added requiring a ventilated air space between stucco and the water-resistive barrier where the water-resistive  |

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|                            |  |                 |  | barrier is applied over wood-based sheathing in Climate Zones 1A, 2A or 3A.  |
| <b>Chapter 26: Plastic</b> |  |                 |  |  |
| 2603.4                     | Thermal barrier  | 2603.4          | Thermal barrier  | Section revised to permit foam plastic to be separated from the interior of the building by heavy timber in accordance with Section 602.4.   |
| 2603.7                     | Foam plastic used as interior finish or interior trim in plenums   | 2603.7          | Foam plastic insulation in plenums as interior finish or interior trim   | The multiple sections addressing the use of foam plastic as interior finish or trim in plenums has been reformatted into a single section.   |
| 2603.7.1                   | Separation required  |                 |  |  |
| 2603.7.2                   | Approval   |                 |  |  |
| 2603.7.3                   | Covering   |                 |  |  |
| Table 2603.12.1            | Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight | Table 2603.12.1 | Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight | The reference to AISI S200 in Note b has been updated to reference AISI S240.  |
| Table 2603.12.2            | Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight        | Table 2603.12.2 | Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight        | The reference to AISI S200 in Note b has been updated to reference AISI S240.  |
| -                          | -  | 2603.13         | Cladding attachment over foam sheathing to wood framing  | New prescriptive requirements have been added to the code for attaching cladding over foam plastic sheathing to wood framing. The fastener requirements are based on supporting the cladding weight. The new provisions are consistent with similar requirements in the Florida Building Code, Residential. An 18 psf cladding weight category has been included for brick veneer. |
|                            |  | 2603.13.1       | Direct attachment  |  |
|                            |  | 2603.13.2       | Furred cladding attachment   |  |
|                            |  | 2603.13.1       | Cladding Minimum Fastening Requirements for Direct Attachment Over Foam Plastic Sheathing to Support Cladding Weight |  |
|                            |  | 2603.13.2       | Furring Minimum Fastening Requirements for Application Over Foam Plastic Sheathing to Support Cladding Weight        |  |
| -                          | -  | 2604.1.1        | Plenums (interior finish and trim)   | New section added to provide a pointer for interior finish and trim installed in plenums.  |
| 2612.2                     | Labeling and identification (plastic composites)   | 2612.2          | Labeling (plastic composites)  | Labeling requirements for plastic composites have been editorially reorganized into a single section.  |
| 2612.2.1                   | Performance levels   |                 |  |  |
| 2612.2.2                   | Loading  |                 |  |  |

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| 2612.3                        | Flame spread index                              | 2612.3   | Flame spread index  | Section revised to clarify this section applies to plastic composite deck boards, stair treads, handrails, and guards.   |
| 2612.4                        | Termite and decay resistance                    | 2612.4   | Termite and decay resistance                                      | Section revised to clarify this section applies to plastic composite deck boards, stair treads, handrails, and guards.<br><br>Also clarifies that the requirement for termite and decay resistance only applies where required by Section 2304.12  |
| 2612.5                        | Construction requirements                       | 2612.5   | Construction requirements   | Section revised to permit the use of plastic composites meeting the requirements of Section 2612 to be used exterior deck boards, stair treads, handrails and guards where combustible construction is permitted. Previous edition limited the use of these materials to Type VB construction only.  |
| 2612.6                        | Plastic composite decking, handrails and guards | 2612.6   | Plastic composite deck boards, stair treads, handrails and guards | Section revised to clarify these provisions also apply to plastic composite stair treads.  |
| <b>Chapter 27: Electrical</b> |   |          |   |  |
| 2701.1                        | Scope   | 2701.1   | Scope   | Section revised to provide consistency in the scoping requirements for the electrical, plumbing, and mechanical chapters. Revised language provides direction as to what codes govern use and maintenance, and alteration, repair, relocation, replacement, and additions for existing electrical systems.   |
| -                             | -   | 2702.1.2 | Fuel line piping protection                                       | New section requiring fuel lines supplying a generator set inside a building to be separated from areas of the building other than the room the generator is located in by an approved method, or an assembly that has a fire-resistance rating of not less than 2 hours. The fire-resistance rating is permitted to be reduced to 1 hour where an automatic sprinkler system is installed in accordance with Section 903.3.1.1. |
| 2702.1.7                      | Group I-2 occupancies                           | 2702.1.8 | Group I-2 occupancies   | Section revised to apply the elevation requirements in ASCE 24 to new and  |

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|           |  |           |  | <p>replacement essential electrical systems. Also revised to apply to all essential electrical systems not just essential electrical system generators.</p> <p>Where connections for hook up of temporary generators are provided, the connections are required to be located at or above the elevation required in ASCE 24.</p> |
| -         | -  | 2702.2.1  | Ambulatory care facilities (emergency and standby power systems) | New section providing a pointer to new Section 422.6 which specifies what essential electrical system requirements are needed in an ambulatory care facility.  |
| 2702.2.1  | Emergency alarm systems                    | -         | -  | Section deleted because emergency alarm systems relate exclusively to hazardous materials storage and use and to semi-conductor manufacturing occupancies. These are covered in Sections 2702.2.10 and 2702.2.15.  |
| 2702.2.3  | Emergency responder radio coverage systems | 2702.2.3  | Emergency responder radio coverage systems                       | Section revised to require the standby power system to be capable of operating the emergency responder radio coverage system for a duration of not less than 12 hours at 100 percent system operation capacity.  |
| -         | -  | 2702.2.5  | Exhaust systems  | New section added to provide general standby and emergency power references for exhaust systems.   |
| -         | -  | 2702.2.7  | Gas detection systems  | New section requiring emergency or standby power to be provided for gas detection systems in accordance with the Florida Fire Prevention Code.   |
| 2702.2.10 | Horizontal sliding doors                   | 2702.2.17 | Special purpose horizontal sliding, accordion or folding doors   | Section updated to correlate with the language used in Section 1010.1.4.3  |
| 2702.3    | Critical circuits                          | 2702.3    | Critical circuits  | <p>Section revised to permit alternate methods to protect required critical circuits:</p> <ul style="list-style-type: none"> <li>• Cables protecting critical circuits listed in accordance with UL 2196 and having a fire-resistance rating of 1 hour.</li> </ul>   |

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|  |  |              |  | <ul style="list-style-type: none"> <li>• Electrical circuit protective systems having a fire-resistance rating of not less than 1 hour</li> <li>• Construction having a fire-resistance rating of not less than 1 hour</li> </ul>   |
| <b>Chapter 29: Plumbing Systems</b>                |  |              |  |   |
| Chapter 29   | Plumbing Systems                       | Chapter 29   | Plumbing Systems   | Chapter 29 has been updated to correlate with the relevant sections from the Florida Building Code, Plumbing.   |
| <b>Chapter 30: Elevators and Conveying Systems</b> |  |              |  |   |
| 3001.2   | Reference standards                    | 3001.2       | Reference standards  | Section revised to clearly indicate which standards apply to the specific types of elevators and conveying systems. A new table has been added that specifies the types of elevators and conveying systems and the standards applicable to each type.   |
|  |  | Table 3001.2 | Standards for Elevators and Conveying Systems and Components |   |
| 3002.1   | Hoistway enclosure protection          | 3002.1       | Hoistway enclosure protection                                | Section 712 is now also referenced for elevator, dumbwaiter, and other hoistway enclosures to permit the use of applicable exceptions contained in Section 712 for shaft construction.  |
| 3004.2.2   | Escalators                             | 3004.2.2     | Escalators   | The exception to the clear width for existing facilities undergoing alterations has been deleted because requirements for alterations belong in the Florida Building Code, Existing Building.   |
| 3007.1   | General (fire service access elevator) | 3007.1       | General (fire service access elevator)                       | <p>Section revised to clarify that where required, fire service access elevators are only required on floors above and including the lowest level of fire department vehicle access.</p> <p>A new exception to fire service access elevators has been added for elevators that only service an open or enclosed parking garage and the lobby of the building is not required to serve as fire service access elevators.</p> |

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| 3007.3   | Water protection (fire service access elevators) | 3007.3   | Water protection (fire service access elevators) | Provisions for water protection of the hoistway enclosure have been revised to clarify that water protection is required to be provided from sprinklers activated outside the enclosed lobby.   |
| 3007.6.3 | Lobby doorways (fire service access elevators)   | 3007.6.3 | Lobby doorways (fire service access elevators)   | Section editorially revised to clarify that the fire door assembly must comply with the smoke and draft control door assembly requirements of Section 716.5.3.1 and be tested in accordance with UL 1784.   |
| 3007.8.1 | Protection of wiring or cables                   | 3007.8.1 | Protection of wiring or cables                   | Section reformatted into a numbered list for clarity. Cables used for survivability of required critical circuits are required to be listed in accordance with UL 2196.   |
| 3008.1   | General (occupant evacuation elevators)          | 3008.1   | General (occupant evacuation elevators)          | The requirement that all passenger elevators for general public use comply with this section where elevators are used for occupant self-evacuation during fires has been deleted and the number of required occupant evacuation elevators is now based on egress analysis in accordance with new Section 3008.1.1.  |
| -        | -  | 3008.1.1 | Number of occupant evacuation elevators          | New section delineating the number of required occupant evacuation elevators based on an egress analysis addressing the following scenarios: <ul style="list-style-type: none"> <li>• Full building evacuation where the analysis demonstrates that the number of elevators provided for evacuation results in an evacuation time less than 1 hour</li> <li>• Evacuation of the five consecutive floors with the highest cumulative occupant load where the analysis demonstrates that the number of elevators provided for evacuation results in an evacuation time less than 15 minutes.</li> </ul> |

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|   |  |            |  | The minimum number of occupant evacuation elevators regardless of the egress analysis is also specified.  |
| 3008.3                                  | Water protection (occupant evacuation elevators) | 3008.3     | Water protection (occupant evacuation elevators) | Provisions for water protection of the hoistway enclosure have been revised to clarify that water protection is required to be provided from sprinklers activated outside the enclosed lobby.             |
| 3008.6.1                                | Access to interior exit stairway or ramp         | 3008.6.1   | Access to interior exit stairway or ramp         | New exception added for elevators that only service an open parking garage and the lobby of building is not required to provide direct access.  |
| 3008.6.3                                | Lobby doorways (occupant evacuation elevators)   | 3008.6.3   | Lobby doorways (occupant evacuation elevators)   | Section editorially revised to clarify that the fire door assembly must comply with the smoke and draft control door assembly requirements of Section 716.5.3.1 and be tested in accordance with UL 1784. |
| 3008.6.3.1                              | Vision panel                                     | 3008.6.3.1 | Vision panel                                     | Section revised to clarify that vision panels have to comply with Section 716 for fire-protection-rated glazing.  |
| -                                       | -  | 3008.8.1   | Determination of standby power loads             | New section providing a pointer to Section 3008.1.1 for standby power based on the number of required occupant evacuation elevators.  |
| 3008.8.1                                | Protection of wiring or cables                   | 3008.8.2   | Protection of wiring or cables                   | Section reformatted into a numbered list for clarity. Cables used for survivability of required critical circuits are required to be listed in accordance with UL 2196.                                   |
| 3010.1.3                                | Amendments to ASME A17.1 and ASME A17.3          | 3010.1.3   | Amendments to ASME A17.1 and ASME A17.3          | Section primarily editorially revised to clarify which specific ASME standards are being amended and update the applicable ASME standard section numbers.   |
| <b>Chapter 31: Special Construction</b> |  |            |  |   |
| 3101.1                                  | Scope  | 3101.1     | Scope  | Reference to the new provisions for elevated flooring systems has been added to the scope.  |
| 3105.3                                  | Design and construction (awnings and canopies)   | 3105.3     | Design and construction (awnings and canopies)   | Section editorially revised to change wood of Type IV size to heavy timber complying with Section 2304.11.  |

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| 3111  | Photovoltaic Panels and Modules              | 3111   | Solar Energy Systems                         | <p>Scoping and criteria for solar energy systems, including both solar thermal and photovoltaic, have been consolidated and organized into a single section addressing structural, fire, plumbing, and mechanical provisions.</p> <p>New section provides specific pointers for wind resistance, roof live load, labeling, fire classification, and access and pathways.</p>  |
| -   | -  | 3115   | Exterior Elevated Flooring Systems           | <p>New section added addressing exterior elevated flooring systems that are installed over roof assemblies or other exterior supporting structures.</p> <ul style="list-style-type: none"> <li>• Attached systems are required to be designed as a roofing system in accordance with Chapter 15.</li> <li>• Independent systems are required to comply with Section 3115.</li> <li>• Specific information on deck panel or paver dimensions and weight, pedestals, fasteners, the use of plastics, and packaging and identification is required for permit application.</li> <li>• Product approval is required.</li> <li>• Systems must be designed for the live loads specified in Section 1607.</li> <li>• Wind resistance is required to be determined by wind tunnel testing in accordance with Chapter 30 of ASCE 7.</li> <li>• Capacity and drainage of the substrate is addressed.</li> </ul> |
| <b>Chapter 32: Encroachments Into the Public Right-of-Way</b> |  |        |  |   |
| <i>No changes.</i>  |  |        |  |   |
| <b>Chapter 33: Safeguards During Construction</b>             |  |        |  |   |
| 3306.2  | Walkways (construction and demolition sites) | 3306.2 | Walkways (construction and demolition sites) | Section revised to require that walkways be provided at construction and demolition sites   |

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|                                   |                    |          |                    | that provide for pedestrian travel that leads from a building entrance or exit of an occupied structure to a public way. |
| <b>Appendix D: Fire Districts</b> |                    |          |                    |  |
| D102.2.8                          | Permanent canopies | D102.2.8 | Permanent canopies | Section editorially revised to change Type IV construction to heavy timber complying with Section 2304.11.               |