

## [51 N.J.R. 285\(a\)](#)

VOLUME 51, ISSUE 5, MARCH 4, 2019

### **RULE PROPOSALS**

#### **Reporter**

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## **Interested Persons Statement**

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### INTERESTED PERSONS

Interested persons may submit comments, information or arguments concerning any of the rule proposals in this issue until the date indicated in the proposal. Submissions and any inquiries about submissions should be addressed to the agency officer specified for a particular proposal.

The required minimum period for comment concerning a proposal is 30 days. A proposing agency may extend the 30-day comment period to accommodate public hearings or to elicit greater public response to a proposed new rule or amendment. Most notices of proposal include a 60-day comment period, in order to qualify the notice for an exception to the rulemaking calendar requirements of [N.J.S.A. 52:14B-3](#). An extended comment deadline will be noted in the heading of a proposal or appear in a subsequent notice in the Register.

At the close of the period for comments, the proposing agency may thereafter adopt a proposal, without change, or with changes not in violation of the rulemaking procedures at [N.J.A.C. 1:30-6.3](#). The adoption becomes effective upon publication in the Register of a notice of adoption, unless otherwise indicated in the adoption notice. Promulgation in the New Jersey Register establishes a new or amended rule as an official part of the New Jersey Administrative Code.

## **Agency**

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COMMUNITY AFFAIRS > DIVISION OF CODES AND STANDARDS

## **Administrative Code Citation**

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### **Adopted Subcodes**

**Proposed Amendments:** [N.J.A.C. 5:23-3.14](#), [3.15](#), [3.16](#), [3.17](#), [3.18](#), [3.20](#), [3.21](#), and [3.22](#)

## **Text**

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### **Uniform Construction Code**

Authorized By: Lieutenant Governor Sheila Y. Oliver, Commissioner, Department of Community Affairs.

Authority: [N.J.S.A. 52:27D-124](#).

Proposal Number: PRN 2019-025.

Calendar: See Summary below for explanation of exception to calendar requirement.

Submit written comments by May 3, 2019, to:

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The agency proposal follows:

### **Summary**

Under the State Uniform Construction Code (UCC) Act, the Commissioner of the Department of Community Affairs is charged with adopting model codes as part of the Uniform Construction Code (UCC). The model codes for building, which includes commercial and residential structures, energy, fire protection, mechanical, and fuel gas are published by the International Code Council (ICC); the model code for plumbing is published by the National Standard Plumbing Code (NSPC); the model code for electrical requirements, the National Electrical Code (NEC) is published by the National Fire Protection Association (NFPA). The New Jersey Uniform Construction Code consists of two basic parts: (1) scoping and administrative requirements, which are adopted through the regulatory standards and processes of the Office of Administrative Law, and (2) technical requirements, which are contained in the national model codes and which are also proposed and adopted as part of the Uniform Construction Code through New Jersey's administrative law processes. The national model codes are adopted by reference and are amended in the administrative code through proposal and adoption in the New Jersey Register.

When the Uniform Construction Code was enacted, it provided for the adoption of unamended national model codes. That changed with P.L. 1996, c. 53, which amended the UCC Act to give the Commissioner "the authority to limit the adoption of later versions of the model codes to include only those standards in effect on July 1, 1995 and any later versions or amendments of model codes which would not be inconsistent with the purpose of the Act." The "intent and purpose of the Act" includes controlling the cost of construction, allowing the use of new technology, and providing for uniformity of requirements and predictability of construction costs ([N.J.S.A. 52:27D-120](#)). Following the enactment of P.L. 1996, c. 53, the Department has undertaken a review of each subsequent model code edition and has proposed and adopted the newest edition of the national model codes in keeping with the "intent and purpose of the Act" ([N.J.S.A. 52:27D-122.1](#)). In addition to the review of the national model codes for consistency with the UCC Act, the Department reviews the national model codes for consistency with other laws.

In September 2015, the Department adopted revisions to the 2015 editions of the International Building Code (IBC), International Residential Code (IRC), International Mechanical Code (IMC), International Fuel Gas Code (IFGC), and International Energy Conservation Code (IECC) as the building, one- and two-family dwelling, mechanical, fuel gas, and energy subcodes, respectively, of the UCC and the 2014 edition of the National Electrical Code (NEC). The Department adopted the 2015 edition of the National Standard Plumbing Code (NSPC) as the plumbing subcode of the UCC in January of 2016.

In order to implement the most recent published technical standards, in keeping with its statutory charge ([N.J.S.A. 52:27D-120](#)), the Department proposes the 2018 editions of the IBC, IRC, IMC, IFGC, IECC, and NSPC, and the 2017 edition of the National Electrical Code (NEC) to update the above referenced subcodes of the UCC with amendments. These proposed amendments reflect the changes to the IBC/[2018, IRC/2018](#), IMC/2018, IFGC/2018,

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IECC/2018, NSPC/2018, and NEC/2017 that modify the codes to align with New Jersey conditions and law. In accordance with [N.J.S.A. 52:27D-125](#), the proposed rulemaking has been reviewed by the Uniform Construction Code Advisory Board (CAB) and its subcode committees and reflects the advice of the CAB.

The 2018 editions of the International Code Council's model codes are online and may be accessed through the Department of Community Affairs' "Codes and Regulations" webpage (<http://www.nj.gov/dca/divisions/codes/codreg/>) by clicking on "Other referenced I-Codes" (<http://codes.iccsafe.org/category/I-Codes>). Please note that these do not include or reflect the changes proposed in this rulemaking; the amended codes will be available after the adoption of the proposed amendments.

This rulemaking contains several types of changes. First, throughout this rulemaking, where section numbers in the model codes have been changed with no change in code text or requirements, or where the title of a section in the model code has been changed with no change in code text or requirements, or where code text was added to a model code section that has traditionally been deleted from the UCC and where its continued [page=286] deletion does not change UCC requirements, the updates would be made without individual identification, explanation, or comment.

Second, references to Chapter 1 of the ICC codes or to sections in Chapter 1 of the ICC codes and the "administration" section of the NSPC would be deleted, with some exceptions in the IECC. Chapter 1 in each of these codes contains administrative provisions. The UCC has its own administrative provisions (N.J.A.C. 5:23-2); therefore, the administrative provisions of the ICC's model codes are neither proposed nor adopted for use in New Jersey.

Finally, in keeping with the UCC Act and the UCC administrative structure, wherever used in the national model code, the following references would be replaced by the term defined in the UCC: The term "building official" would be replaced with "construction official" or "design professional," as applicable; the term "Registered Design Professional in charge of work" would be replaced by "Person in charge of work," and each technical code official, including, but not limited to, "building code official," "plumbing code official," "fire code official," would be changed to "building subcode official," "plumbing subcode official," or "fire protection subcode official," as applicable.

### **Building Subcode ([N.J.A.C. 5:23-3.14](#))**

A comprehensive list of changes between the 2015 and 2018 versions of the International Building Code may be viewed at the following link, <http://www.iccsafe.org/wp-content/uploads/2018-IBC-UPDATE-Handout-9-1-17.pdf>.

The following 15 items are the major changes to the International Building Code as adopted as the building subcode and the unamended International Building Code/2018. Each of these major changes is described, and the Department's intent regarding each change is provided.

1. A new Section 503.1.4, Occupied Roofs, has been added to the IBC/2018. The section establishes the requirements for occupying the roof of a building. Currently, occupancy on a roof is unregulated; this new section would provide standards and consistency in regulating this common practice. The Department is proposing to adopt this section.

2. At Section 508.4.1, Occupancy Classification (Separated Occupancies), a modification was made to the IBC/2018. Text was added to clarify how to address fire protection installations for separated occupancies where the table does not require a fire separation. This new text eliminates the confusion that occurs when a designer or code official applies occupancy-linked fire protection requirements in a "separated" occupancy for which Table 508.4, Required separation of occupancies (hours), does not specify a fire-rated separation. The Department is proposing to adopt this section.

3. At Section 706.1.1, Party walls, an exception was added to the IBC/2018 to allow a building that straddles a property line to be built without a party wall where there is a single owner of the building. The Department is proposing to delete this provision and retain the current requirements of the UCC. It is possible, even likely, that a

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building that straddles a property line will not remain under a single owner throughout its life; therefore, it should be constructed to allow for a change in ownership along the property line.

4. At Section 903.2.3, Group E (Education), a new condition (#3) was added to the IBC/2018 that would require the installation of a fire sprinkler system in a school when the fire area has an occupant load of 300 or greater. The 300-occupant threshold is consistent with Group A-1, A-3, and A-4 occupancies. The Department is proposing to adopt this section.

5. A new Section 903.3.1.2.3, Attics, was added to IBC/2018 to address the hazards associated with large, multifamily residential occupancies with common attic spaces. This new section establishes thresholds for sprinkler and other protections for attics in such occupancies. The Department is proposing to adopt this new section.

6. A new Section 917, Mass notification systems, was added to the IBC/2018. The section introduces a requirement for colleges or universities with a total population of 1,000 or more to conduct a risk analysis in accordance with NFPA 72 to determine the need for a mass notification system, and to install such a system if it is deemed necessary. This section was added to the IBC/2018 in response to the rise of active shooter incidents on college campuses. The Department is seeking public comment on this section.

7. At Table 1004.5, Maximum floor area allowance per occupant, the occupant load factor for business (Group B) areas has been changed in the IBC/2018 from one person per 100 gross square feet of floor area to one person per 150 gross square feet of floor area. The effect of this is to reduce the minimum occupant load of a business area by 1/3. This change, in connection with the change to Section 1004.8, Concentrated business use areas, more accurately reflects the true occupant load of a business use area. The Department is proposing to adopt the 1/150 ratio and is soliciting comment on whether there are reliable data that support the traditional ratio of one person per 100 square feet of gross floor area.

8. A new Section 1020.1.1, Hoistway opening protection, has been added to the IBC/2018 requiring that hoistways opening into corridors be afforded the same level of protection as hoistways opening into elevator lobbies. Because of the difficulty in providing a smoke proof enclosure when opening into a corridor, the Department is proposing to delete this section. The fire resistive rating for the elevator opening would still be required by Section 713.7, Openings, and Section 716, Opening Protectives, of the building subcode to be maintained.

9. At Table "1607.1, Minimum Uniformly Distributed Live Loads, L<sub>u</sub>, and Minimum Concentrated Live Loads," two changes were made in the IBC/2018. There is a reduction in the live load for balconies located off bedrooms from 60 to 45 psf. The live load for balconies and decks is changed to 1.5 times the area served, not to exceed 100. In addition, a note has been added that restricts the use of load reductions in garages. The Department is proposing to adopt both these changes.

10. A new Section 1607.15.2, Fire walls, has been added to the IBC/2018. The section establishes minimum design force for structural stability of fire walls of five pounds per square foot horizontal load. The Department is proposing to adopt this change.

11. At Section 1609.3, Basic design wind speed, there has been a change in terminology in the IBC/2018 from V<sub>ult</sub> to basic wind velocity V. The section is divided into two maps for Categories III and IV. Values applicable to New Jersey are lower for Category III buildings and higher for Category IV buildings. For Category I buildings, the 105 mph contour line has been shifted west, while the 110 and 120 mph contour lines remain the same. The Category II wind map is unchanged. All changes were made for consistency with the applicable technical standard, American Society of Civil Engineers (ASCE) 7-16. The Department is proposing to adopt this change.

12. In Section 2308.5.5.1, Openings in walls and partitions, and Section 2308.5.5.1.1, Openings in Exterior Bearing Walls, language addressing the use of single member headers has been added to the IBC/2018. The Department is proposing to adopt this change.

13. At Section 3001.2, Emergency elevator communication systems for the deaf, hard of hearing and speech impaired, a provision has been added to the IBC/2018 that would require an emergency communication system for

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the hearing impaired in elevators. The Department is proposing that this requirement be deleted. It is the Department's understanding from the industry, that the technology to meet this requirement has not been perfected to a point at which the requirement could be reasonably implemented.

14. A new Section 3113, Relocatable buildings, has been added to the IBC/2018. The Department believes that the rules in the UCC for industrialized buildings (N.J.A.C. 5:23-4A) already cover this, so Section 3113 is proposed to be deleted.

15. At Section 3314.1, Fire watch during construction, a new requirement has been added to the IBC/2018 for a fire watch for buildings under construction that are above 40 feet of adjoining grade. The purpose of the fire watch is to ensure that there is surveillance to identify and control fire hazards during construction.

A section-by-section description of all other proposed amendments to the IBC/2018 follows. These changes are listed in the order in which they appear in the IBC/2018.

16. At [N.J.A.C. 5:23-3.14\(a\)](#)<sup>1</sup>, references to the International Building Code/2015 (IBC/2015) would be changed to reference the International Building Code/2018 (IBC/2018).

17. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2iv</sup> would clarify that approvals under the building subcode may be the purview of a subcode official other than the building subcode official based on who is [page=287] responsible for enforcement of the section as established at [N.J.A.C. 5:23-3.4\(a\)](#)<sup>1</sup>, Responsibilities.

18. At existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2viii</sup> and ix, the terms "congregate living facility" and "custodial care," which were deleted in the adoption of the IBC/2015 are proposed for inclusion. As was discussed in the introductory statement, the model codes are reviewed for consistency with New Jersey's laws. The Department has found that there is no longer a need to delete these terms because, upon review, they are consistent with New Jersey's use of those terms.

19. At proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2xiii</sup>, the definition of "existing building" is proposed for deletion. The term is not needed because the rehabilitation subcode (N.J.A.C. 5:23-6) is the applicable subcode for work on existing buildings.

20. At existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2xvi</sup>, the definition of "guest room" that was deleted from the adoption of the IBC/2015 is proposed to be included in the building subcode. The Department has found that there is no need to delete this term because it is consistent with New Jersey's use of the terms.

21. At existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2xxv</sup>, the definition of "personal care service" that was deleted from the adoption of the IBC/2015 is proposed to be included in the building subcode. The Department has found that there is no need to delete this term because it is consistent with New Jersey's use of the terms.

22. At proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2xxvi</sup>, the definition of "relocatable building" is deleted because Section 3113 in the IBC/2018 that addresses relocatable buildings is proposed for deletion. Relocatable buildings are covered under the provisions for premanufactured construction in the UCC at N.J.A.C. 5:23-4A.

23. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>2xxxiv</sup>, the definition of "substantial structural damage" is no longer deleted from the building subcode because the term is no longer in the IBC/2018.

24. At existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>3ii</sup>, the term "Radioactive Material" is proposed for deletion because the IBC/2018 was reformatted, so that a reference to terms defined in the definitions section of the IBC is no longer listed at the beginning of each chapter of that code.

25. At existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>3v</sup>, the existing language deleting Section 308.2, "Definitions," is no longer necessary because the section does not exist in the IBC/2018.

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26. At existing [N.J.A.C. 5:23-3.14\(b\)3xi](#), the existing language deleting Section 310.2, "Definitions," is no longer necessary because the section does not exist in the IBC/2018.
27. At recodified [N.J.A.C. 5:23-3.14\(b\)3xi](#), the section would be amended to reflect reformatting and changes in language that occurred in the IBC/2018.
28. Proposed new [N.J.A.C. 5:23-3.14\(b\)4iii](#) would add "assisted living" to the title of the section to clarify that the code provisions that apply when cooking facilities are open to a corridor apply to both nursing homes and assisted living facilities.
29. At proposed new [N.J.A.C. 5:23-3.14\(b\)4ix](#), these changes from Group I-1 to Group I-2 are necessary due to the changes to the use group classifications. Assisted living facilities are classified as Group I-2 in the building subcode.
30. At proposed new [N.J.A.C. 5:23-3.14\(b\)4x](#), the reference to Chapter 27, "Electrical," of the IBC/2018 would be deleted because the National Electrical Code (NEC) is the adopted electrical subcode of the UCC.
31. At [N.J.A.C. 5:23-3.14\(b\)5v\(1\)](#), the footnote referring to Appendix C is proposed to be deleted because Appendix C, which deals with commercial farm buildings, is proposed to be deleted.
32. At [N.J.A.C. 5:23-3.14\(b\)6i](#), because the requirements for Group U have been deleted from Table 602, Fire resistance rating requirements for exterior walls based on fire separation distance, the footnotes applicable to Group U are also proposed for deletion.
33. At [N.J.A.C. 5:23-3.14\(b\)7ii](#), the last sentence of the section is proposed for deletion because it discusses alternatives to the model code where there are hardships. The UCC has provisions for such circumstances.
34. Proposed new [N.J.A.C. 5:23-3.14\(b\)7ix](#) would reduce the distance at which walls are required to be rated for exposure from the exterior to five feet for consistency with amendments that are made to Section 705.5, Fire-resistance ratings.
35. At [N.J.A.C. 5:23-3.14\(b\)8viii](#), amendments are proposed to update the edition of the IBC that is referenced from 2015 to 2018.
36. At [N.J.A.C. 5:23-3.14\(b\)8xii](#), an amendment would clarify that the subsections of Section 903.3.8, Limited area sprinkler systems, are also deleted.
37. Proposed new [N.J.A.C. 5:23-3.14\(b\)8xxxii](#) would clarify that enforcement of the section lies with the fire protection subcode official rather than the fire code official.
38. At recodified [N.J.A.C. 5:23-3.14\(b\)8xxxiii](#), a proposed amendment would renumber the exception being added to account for additional exceptions that have been added to the IBC/2018.
39. Proposed new [N.J.A.C. 5:23-3.14\(b\)8xxxvi](#) would retain the IBC/2015 to specify the requirements for fire alarm shop drawings. The IBC/2018 refers to NFPA 72 for these requirements, but the requirements of NFPA 72 are not as comprehensive as those that were required in the IBC/2015. Therefore, the Department proposes to retain the provisions of the IBC/2015 without change.
40. Proposed new [N.J.A.C. 5:23-3.14\(c\)8xxxvii](#) would create a new Section 907.2.9A, Automatic smoke detection systems for Group R-4, in the IBC/2018 as adopted as the building subcode. This amendment would retain Section 907.2.10.2, Automatic smoke detection system, of the IBC/2015. Group R-4 occupancies include buildings with more than five, but not more than 16 persons, excluding staff, who reside on a 24-hour basis in a supervised environment, receive custodial care, and are capable of slow evacuation. The IBC/2018 deleted Section 907.2.10, Group R-4, in its entirety because it deemed that the fire alarm requirements for these facilities were too restrictive. However, it is the Department's belief that retaining the requirements for automatic smoke detection systems in

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these facilities provides a necessary level of protection for occupants of Group R-4 buildings and that it aligns more appropriately with the original scope and intent of the UCC.

41. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)8xlv would retain the IBC/2015 requirement for the installation of wiring to accommodate a visual alarm, if one is needed in the future. Under the IBC/2018, such wiring is required to be run only to the floor with units that might need such an accommodation. The IBC/2015 required that the wiring be extended into all units because occupants might need the appliance. The Department proposes to retain the requirement that the wiring be extended to all units.

42. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)8lxii, an amendment would be made because a reference in the IBC/2018 changed one term from "fire chief" to "fire code official."

43. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)8lxii would clarify that the switches described are those required under the ASME A17.1/CSA B44 standard.

44. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)8lxxiv and lxx, an amendment would eliminate the phrase "with no change in text," because it is understood that renumbering a section does not include a change to text unless a change is indicated.

45. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)8lxxi and xxii, an amendment would be made because the term in the IBC/2018 changed from "fire chief" to "fire code official."

46. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)8lxv, the wording "with no change in text" would be deleted because it is understood that renumbering a section does not include a change to text unless a change is indicated.

47. At [N.J.A.C. 5:23-3.14\(b\)](#)9i, the reference to "Type B" dwelling units where they appear in additional exceptions to Section 1010.1.1, Size of doors, in the building subcode would be deleted.

48. Existing [N.J.A.C. 5:23-3.14\(b\)](#)9vi would be deleted because the exception being modified no longer exists in the IBC/2018.

49. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)9vi would eliminate Group R-3 from the heading of Section 1006.2.2.6, Groups R-3 and R-4, and would eliminate the first sentence because the information is duplicated in Table 1006.2.1, Spaces with One Exit or Exit Access Doorway.

50. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)9vii would clarify that for Group R-3 the exit access travel distance is limited to 125 feet regardless of the type of fire sprinkler system installed. In addition, the term "common path of egress travel distance" found in Table 1006.2.1, Spaces with one exit or exit access doorway, is replaced with "exit travel [page=288] distance." Exit travel distance is the distance from the most remote point in the space to a protected exit.

51. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)9viii and ix and an amendment to recodified [N.J.A.C. 5:23-3.14\(b\)](#)9x would delete the undefined term "common path of travel" and substitute the more common term "exit access." The change clarifies that the distance is based on travel from the most remote point in a space to the exit.

52. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)9xi would delete the requirement for illumination along the path from the exit discharge to the area of refuge or public way in the IBC/2018 and would, thereby, retain the requirements of the IBC/2015.

53. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)9xii, a proposed amendment would reflect reformatting of Section 1009.3, Stairways, in the IBC/2018.

54. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)9xiii, a proposed amendment would clarify that the emergency standby power requirements of ASME A17.1/CSA B44 are also applicable.

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55. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xiv</sup>, a proposed amendment would retain the reference to Chapter 27, Electrical, because it contains provisions that relate to emergency power. In addition, amendments would be made to section numbers to reflect reformatting in the IBC/2018.
56. Existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9x</sup> is proposed to be deleted because the provisions of Chapter 27, Electrical that deal with emergency power systems are not deleted, the amendment is not necessary.
57. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xv</sup> would delete the exception that would allow the ratings of exterior walls of an exterior area of refuge to be omitted where there is a fire suppression system installed.
58. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xviii</sup> and <sup>xix</sup>, proposed amendments would reflect formatting changes in the IBC/2018 where decimals were replaced with fraction equivalents.
59. Existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xx</sup> is proposed to be deleted because the requirements for emergency and standby electrical systems are being retained in Chapter 27, Electrical.
60. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xxix</sup> would delete Section 1020.1.1, Hoistway opening protection. The deletion would eliminate the requirement that all elevators opening onto corridors have smoke proof enclosures.
61. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xxx</sup>, a proposed amendment would eliminate the amendment that established a one-hour rating for corridors in Group "I-2 and I-4" occupancies without fire suppression. The IBC/2018 includes this provision for a one-hour rating for Group I-4 occupancies. Because Group I-2 occupancies always require sprinklers, the "not permitted listing" is appropriate for these uses as shown in the IBC/2018. Therefore, the existing amendment is no longer needed.
62. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xxxiv</sup>, a proposed amendment would correct the location where the language is being modified and would renumber the exceptions that are being retained.
63. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>9xxxv</sup>, a proposed amendment would delete the last sentence because the rehabilitation subcode addresses the installation of bars, grills, covers, and screens in existing buildings.
64. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10ii</sup> would relocate the existing text from [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10iii</sup>. The requirement that any building or portion of a building constructed or altered to be accessible shall be maintained accessible is a general principle of the barrier free provisions and belongs at the beginning of section.
65. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10iii</sup>, a proposed amendment would reflect a change in the numbering of the IBC/2018. A further amendment would retain the platform lift gate requirements from the ICC/ANSI A117.1-2003. The Department has found that the requirements in the ICC/ANSI A117.1-2003 are clear and result in a door arrangement that is more functional for users. In addition, a proposed amendment would retain the previously deleted exception to Section 410.5.2, Lifts with doors on adjacent sides, and would add language that states that the exception is only applicable in an existing building where it is technically infeasible to comply with the provisions of the code.
66. Existing [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10iii</sup> would be deleted because the requirement has been moved to [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10ii</sup>.
67. At [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10vi</sup>, a proposed amendment would change the term "multilevel" to "multistory" to reflect the term used in the IBC/2018, and would delete the reference to the use of limited use limited access (LULA) elevators for small buildings, because a general reference to the use of LULAs was added more appropriately at the end of the section. Section numbers have been amended accordingly.
68. At [N.J.A.C. 5:23-3.14\(b\)](#)<sup>10viii</sup>, a proposed amendment would retain the requirement that where the parking is located beneath or within a building, accessible parking must also be provided beneath or within a building.

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69. At [N.J.A.C. 5:23-3.14\(b\)](#)10xiii, a proposed amendment would delete the references to "Type B" dwelling units because Type B dwelling units do not provide sufficient accessibility to be usable independently by people with disabilities and, therefore, are not recognized under the New Jersey Barrier Free Subcode.
70. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)10xxi, a proposed amendment would add the title, Assisted living facilities, to the newly added section for consistency with the format of the code.
71. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)10xxvi, a proposed amendment would delete the exception to Section 1107.6.2.1, Live/work units, because the exception is applicable to Type B dwelling units that are not recognized under the New Jersey Barrier Free Subcode.
72. At [N.J.A.C. 5:23-3.14\(b\)](#)10xxvii, a proposed amendment would remove the deletion of the exception because the exception does not exist in the IBC/2018.
73. At [N.J.A.C. 5:23-3.14\(b\)](#)10xxxvii, a proposed amendment would delete Section 1107.7.1.1, One story with Type B units required, and Section 1107.7.1.2, Additional stories with Type B units. These sections, as well as Section 1107.7.1, Structures without elevator service, are applicable to "Type B" dwelling units which are not part of the New Jersey Barrier Free Subcode.
74. At [N.J.A.C. 5:23-3.14\(b\)](#)10xxxviii, a proposed amendment would eliminate the deletion of "Type B" dwelling unit on the third line of Section 1107.7.2, Multistory units, because the term is part of the first sentence which is deleted.
75. At [N.J.A.C. 5:23-3.14\(b\)](#)10xlvi and xlvi, a proposed amendment would correct an error. In the first sentence "and Type B" is not used, the wording that is used is "or Type B."
76. At [N.J.A.C. 5:23-3.14\(b\)](#)10xlvi, a proposed amendment would clarify that in addition to Section 1110.4.8, "Amusement rides," all the subsections to this section are also deleted.
77. At [N.J.A.C. 5:23-3.14\(b\)](#)10xlvi, a proposed amendment would clarify that, in addition to Section 1110.4.12, "Miniature golf facilities," all the subsections would also be deleted.
78. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)10xl would delete exception 3 to Section 1110.4.14, Swimming pools, wading pools, hot tubs, and spas, to clarify that any pool associated with a residential building with accessible units must provide an accessible entrance into the water.
79. At [N.J.A.C. 5:23-3.14\(b\)](#)14i, a proposed amendment would reflect a change in the numbering of the IBC/2018. Another proposed amendment would reflect a change to the title of the section and to eliminate sections of the International Plumbing Code (IPC) that are referenced, because New Jersey adopts the National Standard Plumbing Code (NSPC).
80. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)14v, pertaining to Section 1507.2.7, Ice Barrier, would delete the phrase "where required." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed change bases the need for an ice barrier for asphalt shingles on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.
81. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)14vii, a proposed amendment to Section 1507.5.4, Ice Barrier, would delete the phrase "where required." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for metal roof shingles on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.
82. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)14viii, pertaining to Section 1507.5.7, Flashing, would clarify when special flashing is required for metal roof shingles. The language that would be deleted states that special flashing is required "where there is a possibility of ice forming." The Department believes that this is a subjective requirement

that may lead to inconsistent enforcement. The proposed change bases the need for an ice [page=289] shield on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

83. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)14ix, a proposed amendment to 1507.6.4, Ice barrier, would delete the phrase "where required." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for mineral-surfaced roll roofing on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

84. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)14x, a proposed amendment to Section 1507.7.4, Ice barrier, would delete the phrase "where required." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for slate roofs on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

85. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)14xi and proposed new [N.J.A.C. 5:23-3.14\(b\)](#)14xii, proposed amendments to Section 1507.8.4, Ice barrier, and Section 1507.8.8, Flashing, would delete the phrases "where required" and "or where there is a possibility of ice forming," respectively. The Department believes these are subjective requirements that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for wood shingles on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

86. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)14xiii and proposed new [N.J.A.C. 5:23-3.14\(b\)](#)14xiv, proposed amendments to Section 1507.9.4, Ice barrier, and Section 1507.9.9, Flashing, would clarify when an ice barrier is required for wood shakes. The language that is proposed to be deleted in Section 1507.9.9, Flashing, states that flashing is required "where there is a possibility of ice forming." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for wood shakes on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

87. At recodified [N.J.A.C. 5:23-3.14\(b\)](#)14xv, a proposed amendment to Section 1507.17.4, Ice Barrier, would clarify when an ice barrier is required for photovoltaic shingles by deleting the phrase "where required." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for slate roofs on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

88. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)14xvi, pertaining to Section 1507.18.4.2, Ice barrier, would delete the phrase "in areas where there has been a history of ice forming." The Department believes that this is a subjective requirement that may lead to inconsistent enforcement. The proposed amendment bases the need for an ice barrier for building-integrated photovoltaic roof panels on climactic data consistent with the conditions that trigger the requirement of an ice barrier for other roofing.

89. At [N.J.A.C. 5:23-3.14\(b\)](#)15ii, a proposed amendment would delete the modifications that were made to Table 1607.1, Minimum uniformly distributed live loads and minimum concentrated live loads, for live loads with respect to decks. Previous editions of the IBC did not address decks and included provisions only for balconies. Because the IBC/2018 addresses decks, the modification is no longer needed.

90. At [N.J.A.C. 5:23-3.14\(b\)](#)21ii, a proposed amendment would delete Section 3001.2, Emergency elevator communication systems for the deaf, hard of hearing and speech impaired, because the technology for such systems is still in its infancy and has not been fully developed.

91. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)21iii would clarify that information that used to be contained in Section 3001.2, Referenced standards, of the 2015/IBC has been moved to Table 3001.3, Elevators and Conveying Systems and Components. A proposed amendment would change the terms in the table to differentiate those

devices that are under the scope of the elevator subcode from those that are not. "Elevator device," as defined in the UCC, refers to devices that are under Subchapter 12 and, therefore, are under the jurisdiction of the elevator subcode official. Other devices that are covered by Chapter 30, Elevators and Conveying Systems, and that are subject to the UCC (that is, that are not process equipment) are enforced by the building subcode official. In addition, a proposed amendment would eliminate the reference to ASME A17.7/CSA B44.7 in the table. ASME A17.7/CSA B44.7 is a performance-based code for alternative technologies. The Department has traditionally allowed such technologies through a variation, so that it is clear that they are not inspected using ANSI 17.1/CSA B44.1 during periodic inspections.

92. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)21vii would clarify that "operational" means "operational by providing service to all floors" rather than "operational by simply having power to the elevator device."

93. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)21x would clarify that equipment related to drainage of the pit is permitted in the machinery and control space when the machinery or control equipment is located in the elevator pit.

94. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)21xii would delete Section 3006.2.1, Rated corridors. This section would require a smoke-proof elevator lobby or other means to keep smoke from entering the elevator shaft in all buildings where the elevator doors opened into a rated corridor.

95. Existing [N.J.A.C. 5:23-3.14\(b\)](#)21xii, is proposed for deletion. The result of this deletion retains Section 3008.6.6, Two-way communication system, which would allow the fire department to designate the location of the two-way communication system that interfaces with the fire command center.

96. At [N.J.A.C. 5:23-3.14\(b\)](#)22iv, proposed amendments would reflect changes in section numbers and section titles in the International Swimming Pool and Spa Code. In addition, the requirement for safety covers (amendment to Section 305.1 of the standard) for swimming pools would be deleted, but would be retained for hot tubs.

97. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)22v would substitute the reference to the International Plumbing Code (IPC) with a reference to the NSPC because the NSPC is adopted as the plumbing subcode in New Jersey.

98. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)22vi would delete Section 3113, Relocatable Buildings, because provisions for modular and manufactured homes are contained in Subchapter 4D of the UCC (N.J.A.C. 5:23-4A).

99. At [N.J.A.C. 5:23-3.14\(b\)](#)23, a proposed amendment would fix an editorial error by amending the phrase "public rights of way" to "public right of way."

100. Proposed new [N.J.A.C. 5:23-3.14\(b\)](#)24v would clarify that the fire watch for buildings under construction is required by the fire official.

101. At [N.J.A.C. 5:23-3.14\(b\)](#)25, a proposed amendment would delete the amendments made to the ACI standards because the section no longer references the cited referenced ACI standards. An additional proposed amendment would delete the insertion of the ISPSC standard since it is now included in the ICC list of referenced standards. Finally, an amendment would clarify that those portions of the ASME A17.1/CSA B44 standard that are applicable to Canada are not used in New Jersey.

102. At [N.J.A.C. 5:23-3.14\(b\)](#)26i, a proposed amendment would correct an editorial error by amending the phrase "rodent proofing" to "rodentproofing."

103. At [N.J.A.C. 5:23-3.14\(b\)](#)26iii, a proposed amendment would add Appendix N, Replicable Buildings, to the list of appendices that are deleted. Replicable buildings are covered by the prototype plans provisions in the UCC ([N.J.A.C. 5:23-2.15](#) and [2.16](#)).

**Plumbing Subcode ([N.J.A.C. 5:23-3.15](#))**

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104. At [N.J.A.C. 5:23-3.15\(a\)1](#), a proposed amendment would adopt the National Standard Plumbing Code (NSPC)/2018 as the plumbing subcode. All references to NSPC/2015 in this section would be changed to NSPC/2018.

105. At [N.J.A.C. 5:23-3.15\(a\)1i](#), a proposed amendment would update the sponsor name and address for obtaining copies of the NSPC.

106. At [N.J.A.C. 5:23-3.15\(a\)2i](#), a proposed amendment would clarify that the published illustrations and comments are supplemental information and are not a part of the adopted subcode. The proposed amendment would further delete a note in the NSPC stating, "comments are presented with a shaded background similar to this note and are intended as supplemental information."

[page=290] 107. At [N.J.A.C. 5:23-3.15\(b\)6ii](#) and iii, the proposed amendments would be made due to editorial changes to the NSPC/2018. The requirements would remain the same.

108. Proposed new [N.J.A.C. 5:23-3.15\(b\)7v](#) and vi would delete the NSPC/2018 requirements for wall finishes behind fixtures and would refer instead to the requirements in the IBC/2018, Section 1209.2.2, Walls and Partitions, adopted at [N.J.A.C. 5:23-3.14](#) as the building subcode.

109. Proposed new [N.J.A.C. 5:23-3.15\(b\)7vii](#) would revise "building code" to "building subcode" to reflect the terminology used throughout the UCC; this amendment is editorial, and the requirements would remain the same.

110. At recodified [N.J.A.C. 5:23-3.15\(b\)9v](#), the proposed amendment would remove the word "Siamese" from the description of fire department connections from a potable water system because the term is no longer used. This amendment is editorial; the requirements would remain the same.

111. At [N.J.A.C. 5:23-3.15\(b\)9vi](#), the proposed amendment is a result of an editorial change to the Section 10.8.1, Water Pressure Booster Systems Required, which shifted the position of text to be deleted. The text "in accordance with good practice" had been in the third and fourth lines of the Section and was deleted. It is now in the fifth and sixth lines in the NSPC/2018 and proposed to be deleted. The requirements would remain the same.

112. At [N.J.A.C. 5:23-3.15\(b\)11iii](#), the proposed amendments would clarify the intent of NSPC/2018, Section 13.1.10.2, Overflow Roof Drainage. This would require an overflow roof drainage system where parapet walls or other construction extends above the roof and could create areas where storm water could become trapped. The proposed amendments would also allow for the overflow roof drainage system to connect to the primary roof drainage system and is consistent with previous editions of the plumbing subcode.

113. Proposed new [N.J.A.C. 5:23-3.15\(b\)11iv](#) would delete Section A-3, Sizing by Flow Rate, and Table A-1, Rainfall Rates for Cities, in Appendix A, Sizing Storm Drain Systems, which deal with rainfall rates, and replace those sections with the rainfall rates for New Jersey as provided in [N.J.A.C. 5:23-3.15\(b\)11ii](#).

114. At [N.J.A.C. 5:23-3.15\(b\)13ii](#), the proposed amendment would require that any septic system that is going to be abandoned and replaced must be inspected by the health department having jurisdiction. This proposed change in responsibility would align with the regulations set forth by the Department of Health for public sewer systems.

115. Existing [N.J.A.C. 5:23-3.15\(b\)15](#), removes the deletion of Chapter 18, Mobile Home and Travel Trailer Park Plumbing Requirements, of the NSPC/2015. Chapter 18 of the NSPC/2015 concerning mobile home and travel trailer park plumbing requirements was deleted from the NSPC/2018.

116. At recodified [N.J.A.C. 5:23-3.15\(b\)15i](#), the proposed amendments would reflect changes in the numbering of the NSPC/2018 and would add the address for the International Codes Council (ICC) as a reference for code users.

117. Proposed new [N.J.A.C. 5:23-3.15\(c\)](#) would implement requirements for an automatic rain sensor device for newly installed automatic lawn sprinkler systems, as mandated by the Uniform Construction Code Act at [N.J.S.A.](#)

[52:27D-123.13](#). This amendment would assign inspection responsibility to the plumbing subcode official to ensure that the required device is installed.

### **Electrical Subcode ([N.J.A.C. 5:23-3.16](#))**

118. At [N.J.A.C. 5:23-3.16\(a\)](#)1, a proposed amendment would change the edition of the National Electrical Code from 2014 to 2017.

119. At [N.J.A.C. 5:23-3.16\(a\)](#)1i, a proposed amendment would correct the zip code for the National Fire Protection Association (NFPA).

120. At [N.J.A.C. 5:23-3.16\(a\)](#)2, proposed amendments would change the edition of the National Electrical Code from 2014 to 2017.

121. At [N.J.A.C. 5:23-3.16\(a\)](#)3, a proposed amendment would update the edition of the National Electrical Safety Code from 2014 to 2017.

122. A proposed amendment would delete existing [N.J.A.C. 5:23-3.16\(b\)](#)3ii. The effect of this deletion would require ground fault protection in laundry areas. The Department had previously deleted the need for ground fault circuit interrupters in laundry areas because such areas are not clearly defined in the code. However, in its discussion of this requirement, the Uniform Construction Code Advisory Board recommended that this requirement be adopted and that the Department provide guidance as to what constitutes a laundry area in an article in the *Construction Code Communicator* or in a Bulletin following the adoption.

123. A proposed amendment would delete existing [N.J.A.C. 5:23-3.16\(b\)](#)3iii. The result of this deletion would require arc fault protection in kitchens and laundry areas. The Department had previously deleted the requirement for arc-fault protection in kitchens because it was concerned that nuisance tripping could occur. The Department was not able to find any studies that showed that nuisance tripping has been a problem in kitchens. The question of ground fault circuit interrupters is discussed in item 122 above.

124. Proposed new [N.J.A.C. 5:23-3.16\(b\)](#)5ii would delete those sections of Article 425, Fixed Resistance and Electrode Industrial Process Heating Equipment, that deal with process equipment. Process equipment itself is outside the jurisdiction of the UCC. Those sections related to the field wiring associated with process equipment have been retained.

125. At [N.J.A.C. 5:23-3.16\(b\)](#)6i, a proposed amendment would eliminate Section 514.3(B)(3), Fuel Storage. The provisions of the sections that are proposed to be deleted address distances between fuel storage tanks and buildings, property lines, and other tanks. These requirements are covered by the building and mechanical subcodes; they are proposed to be deleted from the NEC/2017 to avoid conflicts.

126. A proposed amendment would delete existing [N.J.A.C. 5:23-3.16\(b\)](#)6i. The wording of Sections 514.11(B), Attended Self-Service Motor Fuel Dispensing Facilities, and Section 514.11(C), Unattended Self-Service Motor Fuel Dispensing Facilities, was changed in the NEC/2017, so the amendments are no longer needed.

127. At [N.J.A.C. 5:23-3.16\(b\)](#)7i through v, proposed amendments are made to update the referenced standards to the editions referenced in the NEC/2017.

128. At [N.J.A.C. 5:23-3.16\(b\)](#)7vi, a proposed amendment is made because the exception in Section 680.25(A)1, Feeders (Wiring Methods), of the NEC would be deleted as it has been removed from the NEC/2017.

129. [N.J.A.C. 5:23-3.16\(c\)](#) is proposed for deletion. The electrical requirements associated with the installation of an irrigation system are considered ordinary maintenance, which does not require a permit. Because no electrical technical section or inspection is required, the requirement to check for the rain sensor is being moved to the plumbing subcode.

**Fire Protection Subcode ([N.J.A.C. 5:23-3.17](#))**

130. Proposed new [N.J.A.C. 5:23-3.17\(a\)](#)1v, pertaining to fire subcode responsibilities, would be added for the One- and Two- Family Dwelling Subcode of the Uniform Construction Code.

**Energy Subcode ([N.J.A.C. 5:23-3.18](#))**

The following three paragraphs provide an overview of the International Energy Conservation Code (IECC/2018) and the State and Federal framework in which the energy code operates.

Energy Subcode--Commercial Structures: On February 27, 2018, the United States Department of Energy (US DOE) issued a determination (<http://www.regulations.gov/document?D=EERE-2017-BT-DET-0046-0008>) on the ASHRAE Standard 90.1-2016, which is referenced in the International Energy Conservation Code (IECC)/2018 as the energy standard for commercial buildings. The United States Department of Energy requires states to certify that the commercial building energy code regarding energy efficiency meets or exceeds ASHRAE Standard 90.1-2016; this certification must be submitted to the US DOE by February 27, 2020. When compared to the previous edition (2013), US DOE estimates national savings in commercial buildings of approximately 8.2 percent energy cost savings, 7.9 percent source energy savings, and 6.7 percent site energy savings ([http://energy.gov/sites/prod/files/2017/07/f35/Preliminary\\_90.1-016\\_Energy\\_Savings\\_Analysis.pdf](http://energy.gov/sites/prod/files/2017/07/f35/Preliminary_90.1-016_Energy_Savings_Analysis.pdf)). In June of 2017, PNNL, a subcontractor of US DOE, reported 4.2 percent energy savings and 4.8 percent energy cost savings, using the Progress Indicator (PI) methodology<sup>2</sup> to calculate the national impact of 2016 standard ([http://www.energycodes.gov/sites/default/files/becu/ASHRAE\\_Roundtable\\_12\\_2016.pdf](http://www.energycodes.gov/sites/default/files/becu/ASHRAE_Roundtable_12_2016.pdf)).

[page=291] The overall saving percentages above are based on the modified provisions of the 2016 edition versus the 2013 edition. These items include more stringent prescriptive envelope requirements, modified lightning controls and lighting power densities based on LED technology and updated mechanical efficiencies.

Energy Subcode--Residential Structures: The US DOE has yet to issue a determination of the residential portion of the International Energy Conservation Code (IECC)/2018. In short, the line was held on efficiency with minor improvements in windows (0.6-1.1 percent improvement in the prescriptive path). The ICC/RESNET 380 standard has been included as one of standards that can be used for determining the air leakage rate of a building or dwelling unit. Also, the Energy Rating Index (ERI) compliance alternative index values have been increased slightly; however, the method for determining an index is now required to be in accordance with standard ICC/RESNET 301; it is unclear what impact the addition of this alternative path will have, especially when based on how it would incorporate on-site renewable energy into the ERI calculation.

There are no major areas of change in the provisions of the International Energy Conservation Code (IECC)/2018. The Department is proposing to maintain the air barrier compliance option to perform a blower door test or have a visual inspection (the modification remains at [N.J.A.C. 5:23-3.18\(c\)](#)4i for Section R402.4, Air leakage (Mandatory)). A section-by-section description of the proposed amendments to the IECC/2018 is below.

131. At [N.J.A.C. 5:23-3.18\(a\)](#), references to the International Energy Conservation Code 2015 (IECC/2015) would be changed to reference the International Energy Conservation Code 2018 (IECC/2018).

132. At [N.J.A.C. 5:23-3.18\(b\)](#)1ii, in Section C101.4.1, Mixed residential and commercial buildings, a reference to the ASHRAE 90.1 (the 2016 edition, as referenced at Chapter 6) is added. The energy subcode requires compliance with ASHRAE 90.1 for commercial buildings. This amendment was made necessary by the amended text of the IECC/2018.

133. At [N.J.A.C. 5:23-3.18\(b\)](#)1iii, Section C104, Fees, is added to the deleted sections because construction permit fees are covered at [N.J.A.C. 5:23-4.18](#). This section also includes the deletion of Sections C107.3, Other Laws; C108, Stop Work Order; and C109, Board of Appeals.

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134. At [N.J.A.C. 5:23-3.18\(b\)2](#), Chapter 2, Definitions, would be deleted and a new definition would be added. The definitions regarding commercial building are contained within the ASHRAE 90.1, therefore, the definitions listed in IECC/2018 for commercial buildings would be deleted. A new definition would be added defining "IECC--Commercial Provisions" to ensure that users follow the ASHRAE 90.1.

135. At [N.J.A.C. 5:23-3.18\(b\)4](#) and 6, references would be updated to reflect the current section titles of IECC/2018 and current edition of referenced codes; there is no change in requirements.

136. Proposed new [N.J.A.C. 5:23-3.18\(b\)7](#), Appendix CA, Solar-Ready Zone--Commercial, would delete these provisions because they are beyond the scope of the UCC.

137. At [N.J.A.C. 5:23-3.18\(c\)1ii](#), a change would be made to 101.4.1, Mixed use and commercial buildings, to clarify that the residential portion of the building would be subject the standards continued in the energy subcode and the commercial portions of the building would be subject to ASHRAE 90.1, the technical standard for energy for commercial buildings adopted by reference in the energy subcode. This is not a change in requirements, but is an added statement in the Uniform Construction Code identifying those code requirements that apply to a mixed use building.

138. At [N.J.A.C. 5:23-3.18\(c\)2iii](#), the definition of the term "approved" would be amended to delete the word "building" and insert the word "appropriate" when referring to the subcode officials.

139. Proposed new [N.J.A.C. 5:23-3.18\(c\)2ix](#), IECC--Commercial Provisions is added to define the version of ASHRAE 90.1 referenced in Chapter 6, Referenced Standards, of the code.

140. At [N.J.A.C. 5:23-3.18\(c\)4iv](#) and 6, references throughout are updated to reflect the current edition of referenced codes; there is no change in application.

141. The amendment at [N.J.A.C. 5:23-3.18\(c\)7](#) would delete the reference to Appendix RA, Recommended Procedure for Worst-Case Testing of Atmospheric Venting Systems Under R402.4 or R405 Conditions  $\leq$  5ACH#<sup>[50]</sup>#, because that Appendix no longer exists in the IECC/2018. The Appendix formerly known as Appendix RB, Solar-Ready-Provisions--Detached One- and Two- Family Dwellings, Multiple Single-Family Dwellings (Townhouses), was redesignated as Appendix RA in the IECC/2018, and would be deleted. This is a change in the designation of appendices and does not represent a change of code because both Appendix RA and RB were deleted in the past.

### **Mechanical Subcode ([N.J.A.C. 5:23-3.20](#))**

142. At [N.J.A.C. 5:23-3.20\(a\)](#) and (b), references to the International Mechanical Code/2015 (IMC/2015) would be changed to reference the International Mechanical Code/2018 (IMC/2018).

143. At [N.J.A.C. 5:23-3.20\(b\)2iii](#), the definition of the term "approved" would be amended to delete the word "building" and insert the word "appropriate" when referring to the subcode officials.

### **One- and Two-Family Dwelling Subcode ([N.J.A.C. 5:23-3.21](#))**

The differences between the 2015 and 2018 editions of the International Residential Code (IRC), which are minimal and many, including the seismic and high-wind area requirements, do not affect New Jersey. A general "update" document published by the International Code Council may be found at <http://www.iccsafe.org/wp-content/uploads/2018-IRC-UPDATE-Handout-9-1-17.pdf>. Also see the energy subcode discussion at [N.J.A.C. 5:23-3.18](#) above for low-rise residential; Chapter 11 of the IRC/2018 contains identical energy requirements. The following amendments are proposed:

144. At [N.J.A.C. 5:23-3.21\(a\)1](#), (a)1ii, and (c), references to the International Residential Code/2015 (IRC/2015) would be changed to the International Residential Code/2018 (IRC/2018).

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145. At [N.J.A.C. 5:23-3.21\(c\)1](#), a proposed amendment would insert the phrase, "see the administrative provisions of [N.J.A.C. 5:23](#)," thus reinforcing the deletion of Chapter 1 of the IRC/2018.

146. At [N.J.A.C. 5:23-3.21\(c\)2iii](#), the definition of the term "approved" would be amended to delete the word "building" and insert the word "appropriate" when referring to the subcode officials.

147. At [N.J.A.C. 5:23-3.21\(c\)2ix](#), in Chapter 2, Definitions, the definition of the term "Change of Occupancy" would be deleted because it applies to a rehabilitation project, which is addressed by the Rehabilitation Subcode of the UCC and is defined at [N.J.A.C. 5:23-6.3](#).

148. At [N.J.A.C. 5:23-3.21\(c\)3i](#), Section R300, Height and area limitations, proposed amendments would create a new Section R300.1, General, to clarify the intent of this section in stating that, in a two-story dwelling, a habitable attic does not constitute a story.

149. At [N.J.A.C. 5:23-3.21\(c\)3ii](#), Table R301.2(1), Climate and Geographic Design Criteria, a proposed amendment would reflect all criteria listed in the IRC/2018. The format is different from the existing text, but the information is all-inclusive and unchanged.

150. At [N.J.A.C. 5:23-3.21\(c\)3iii](#) and iv, proposed amendments would explicitly state that the topographic provisions, Section R302.1.2.1.5, and seismic provisions, Section R302.2.2, do not apply.

151. At [N.J.A.C. 5:23-3.21\(c\)3v](#), the term "repair" would be deleted and "restoration" would be maintained for floodplain construction (Section R301.2.4). This change is made because "repair" is defined in the Rehabilitation Subcode.

152. At [N.J.A.C. 5:23-3.21\(c\)3viii](#), the proposed amendment to Section R302.2.2, Common walls, would update the section name and number with no change in requirements.

153. At [N.J.A.C. 5:23-3.21\(c\)3x](#), the amendment to Section R302.5.1, Opening protection, would add "automatic closing" to the deleted closing devices.

154. At [N.J.A.C. 5:23-3.21\(c\)3xiii](#), the amendment would be updated to delete sections that are no longer in the IRC.

155. At [N.J.A.C. 5:23-3.21\(c\)3xviii](#), the proposed amendment would delete Section R310.2.5, Replacement windows, since these requirements are covered by the rehabilitation subcode of the UCC.

156. [N.J.A.C. 5:23-3.21\(c\)3xxix](#) is proposed for deletion to delete sections that are no longer in the IRC.

157. At recodified [N.J.A.C. 5:23-3.21\(c\)3xxxi](#), exception 2 of Section R315.6, Power source, would be deleted because it references a previously deleted section, Section R315.2.2, Alterations, repairs and additions.

[page=292] 158. At recodified [N.J.A.C. 5:23-3.21\(c\)3xxxv](#), the deletion of Table R301.2(1), Climatic and geographic design criteria, is no longer necessary with the changes made at [N.J.A.C. 5:23-3.21\(c\)ii](#). Additionally, the term "repair" would be deleted and "restoration" would be inserted because "repair" is a defined term in the Rehabilitation Subcode.

159. At recodified [N.J.A.C. 5:23-3.21\(c\)3xli](#), the section title has been updated regarding flood zones (Section R322.3, Coastal high-hazard areas (including V Zones and Coastal A Zones, where designated)). Additionally, Sections R322.3.1, Location and site preparation, through R322.3.10, Tanks, would be deleted to maintain status quo - using only the ASCE 24 for V zone and Coastal A zone. This update would make the amendments at existing [N.J.A.C. 5:23-3.21\(c\)3xl](#)iii and xlv no longer necessary, therefore, those changes are proposed for deletion.

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160. At proposed new [N.J.A.C. 5:23-3.21\(c\)](#)3xlii, the provisions for habitable attics would be deleted from Section R325, Mezzanines, because they are already scoped at Section R300.

161. At recodified [N.J.A.C. 5:23-3.21\(c\)](#)3xlili, proposed amendments would reflect changes in section numbers and section titles in the International Swimming Pool and Spa Code. The requirement for safety covers (amendment to Section 305.1, General, of the standard) for swimming pools would be deleted; it would be retained for hot tubs.

162. At [N.J.A.C. 5:23-3.21\(c\)](#)4i, the deletion of Table R301.2(1), Climatic and geographic design criteria, is no longer necessary because of the changes made at [N.J.A.C. 5:23-3.21\(c\)](#)3ii, therefore, this subparagraph is proposed for deletion.

163. At recodified [N.J.A.C. 5:23-3.21\(c\)](#)4iii, "exception" is made plural.

164. At recodified [N.J.A.C. 5:23-3.21\(c\)](#)4vi, note C of Table R403.4, Minimum depth (D) and width (W) of crushed stone footings (inches), would be added to the list of locations that the notation of Table R405.1, Properties of soils classified according to the unified soil classification system, would be updated to Table R406.1, Properties of soils classified according to the unified soil classification system.

165. At existing [N.J.A.C. 5:23-3.21\(c\)](#)4xi, the deletion of Table R301.2(1), Climatic and geographic design criteria, is no longer necessary because of the changes made at [N.J.A.C. 5:23-3.21\(c\)](#)3ii, therefore, the subparagraph is proposed for deletion.

166. At existing [N.J.A.C. 5:23-3.21\(c\)](#)5iv, Section R507.2.4, Deck lateral load connection, no longer needs to be deleted. Previously, this section only provided two ways to provide the connection. The section was revised in IRC/2018 to prompt the user at Section R507.9.2, Lateral connection, related to specific procedures to provide for the connection generally or use one of the two other methods. Therefore, this subparagraph is proposed for deletion.

167. At [N.J.A.C. 5:23-3.21\(c\)](#)8ii, the reference to Section R905.16.4.1, Ice barrier, would be deleted because it no longer exists as a separate section in the IRC/2018. It has been absorbed into the general requirements for ice barriers at Section R905.1.2, Ice barriers.

168. At [N.J.A.C. 5:23-3.21\(c\)](#)10, these amendments reflect the same amendments to [N.J.A.C. 5:23-3.18\(c\)](#) for energy conservation requirements for low-rise residential; the requirements are identical.

169. At [N.J.A.C. 5:23-3.21\(c\)](#)12, 16, and 19, the amendments update section locations and/or titles. Amendments also delete the term "dwelling unit" at [N.J.A.C. 5:23-3.21\(c\)](#)19i(1), which is already defined in the IRC/2018.

170. At [N.J.A.C. 5:23-3.21\(c\)](#)20, 21, 22, and 23, the amendments would update the language for the cross references to other codes.

171. At [N.J.A.C. 5:23-3.21\(c\)](#)24, the proposed amendments to the appendices are made to reflect changes to the titles or where the appendix has been deleted. Appendix Q, Tiny Houses, has been added to the IRC/2018 and is proposed to be adopted.

### **Fuel Gas Subcode ([N.J.A.C. 5:23-3.22](#))**

172. At [N.J.A.C. 5:23-3.22\(a\)](#) and (b), references to the International Fuel Gas Code/2015 (IFGC/2015) would be changed to reference the International Fuel Gas Code/2018 (IFGC/2018).

173. At [N.J.A.C. 5:23-3.22\(b\)](#)2iii, the definition of the term "approved" would be amended to delete the word "building" and insert the word "appropriate" when referring to the subcode officials.

174. The current amendment at [N.J.A.C. 5:23-3.22\(b\)7i\(1\)](#) would be modified to delete the reference to the International Plumbing Code (IPC)/2018 because the UCC does not adopt the IPC.

As the Department has provided a 60-day comment period on this notice of proposal, this notice is excepted from the rulemaking calendar requirements pursuant to [N.J.A.C. 1:30-3.3\(a\)5](#).

### **Social Impact**

The amendments are proposed to adopt the most recent editions of the national model codes, which would have a positive social impact. This rulemaking promotes the stated purposes and intent of the Uniform Construction Code Act by providing for the use of the latest construction methods, techniques, and materials through a single, clear, and up-to-date set of technical standards. The proposed adoption of the latest editions of the national model codes enhances the protection of the health and safety of building occupants by providing for the most recent advances in building methods and technologies to be incorporated into new construction in the State. As discussed in the Summary above, the proposed amendments include enhancements in energy conservation through the proposed adoption of the most recent edition of the International Energy Conservation Code. Energy conservation, in and of itself, carries a societal benefit beyond the savings to individual building or home owners.

### **Economic Impact**

The Department anticipates that the proposed amendments would have a positive economic impact because clear and current technical standards promote cost effective construction. Because the requirements of the standards proposed for adoption by reference apply to new construction, in the absence of any dramatic change to the model codes, the incremental cost of compliance is not significant as compared to the overall cost of construction. The majority of changes to the model codes are for clarification purposes.

The new requirements that call for protection of certain attic areas either through fire suppression or the use of materials that help retard the spread of fire will result in additional construction costs. However, based on several fires that occurred in multifamily residential buildings that resulted in large scale property damage and the displacement of large numbers of families, the Department has concluded that the additional costs are justified. Costs will vary based on building size and the compliance option chosen.

The new requirement for the installation of mass notification systems in colleges and universities with a total population of 1,000 or more could cost colleges and universities between \$ 5,000 and \$ 15,000.

Provisions in the code that allow for single member headers will slightly reduce the cost of construction. In addition, the change allows for the installation of insulation in areas where it was not possible when double headers were required. This will likely result in some energy cost benefits to building owners.

The changes to the energy conservation code are modest. The changes may result in modest increases to construction costs. The resultant energy code savings are discussed in the Summary above.

### **Federal Standards Statement**

No Federal standards analysis is required for the proposed amendments because the amendments are not being proposed in order to implement, comply with, or participate in any program established under Federal law or under a State law that incorporates or refers to Federal law, standards, or requirements. The sole exceptions are found in the proposed amendments to [N.J.A.C. 5:23-3.18](#) which, as discussed in the summary of the energy subcode above, would bring New Jersey into compliance with the US DOE requirements promulgated pursuant Title III of the Federal Energy Conservation and Production Act of 1976, as amended, and in the proposed amendments to the accessibility requirements, which also are discussed above.

### **Jobs Impact**

The proposed amendments to adopt the latest editions of the national model codes that comprise the Uniform Construction Code are not expected to have an impact on the creation or loss of jobs.

#### [page=293] **Agriculture Industry Impact**

The Department does not anticipate that the proposed amendments will impact the agriculture industry.

#### **Regulatory Flexibility Analysis**

The proposed amendments impose technical compliance requirements on builders, some of which are "small businesses" as defined under the Regulatory Flexibility Act, [N.J.S.A. 52:14B-16](#) et seq. The proposed amendments establish code requirements that provide technical standards for construction, as discussed in the Summary above. Builders would be required to comply with the requirements of the adopted subcodes of the Uniform Construction Code as would any other entity performing construction the State. Because the proposed amendments establish health and safety requirements, there is no basis for differential treatment of small businesses. The adoption of the most recent editions of the national model codes is not expected to introduce any new recordkeeping, or reporting requirements on small businesses nor is it expected to cause small businesses to need to employ professional services not already required for compliance with the UCC.

#### **Housing Affordability Impact Analysis**

The proposed amendments to adopt the most recent editions of the national model codes are expected to have a modest impact on housing affordability; the cost and payback of the proposed amendments to the energy subcode are discussed in the Summary above. The construction of housing would experience an initial cost increase, which would be balanced by a payback in energy savings over the life of the building.

#### **Smart Growth Development Impact Analysis**

The proposed amendments update various subcodes of the State Uniform Construction Code. Because the proposed amendments do not impact zoning or what may be built in a given location, it is not anticipated that the proposed amendments will have any impact upon housing production within Planning Areas 1 and 2, or within designated centers, under the State Development and Redevelopment Plan.

#### **Racial and Ethnic Community Criminal Justice and Public Safety Impact**

The Department has evaluated this rulemaking and determined that it will not have an impact on pretrial detention, sentencing, probation, or parole policies concerning adults and juveniles in the State. Accordingly, no further analysis is required.

## **Regulations**

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**Full text** of the proposal follows (additions indicated in boldface **thus**; deletions indicated in brackets [thus]):

### SUBCHAPTER 3. SUBCODES

#### 5:23-3.14 Building subcode

(a) Rules concerning the building subcode are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the model code of the International Code Council, [2015] **2018** International Building Code, known as the "[IBC/2015] **IBC/2018**." This code is hereby adopted by reference as the building subcode for New Jersey subject to the modifications stated in (b) below.

i. (No change.)

ii. The [IBC/2015] **IBC/2018**, as amended, may be known and cited as the "building subcode."

2. (No change.)

(b) The following chapters of the building subcode are modified as follows:

1. (No change.)

2. Chapter 2, Definitions, shall be amended as follows:

i.-iii. (No change.)

**iv. The definition of "approved" is modified to add the words "or other appropriate subcode official" after the words "building official."**

Recodify existing iv.-vii. as **v.- viii.** (No change in text.)

[viii. The definition of "congregate living facility" shall be deleted.

ix. In the definition of "custodial care" the last sentence shall be deleted.]

Recodify existing x.-xiii. as **ix.-xii.** (No change in text.)

**xiii. The definition of "existing building" shall be deleted.**

xiv.- xv. (No change)

[xvi. The definition of "guest room" shall be deleted.]

Recodify existing xvii.-xxiv. as **xvi.- xxiii.** (No change in text.)

[xxv. The definition of "personal care service" shall be deleted.]

Recodify existing xxvi.-xxvii. as **xxiv.- xxv.** (No change in text.)

**xxvi. The definition of the "Relocatable Building" shall be deleted.**

Recodify existing xxviii.-xxxiv. as **xxvii.- xxxiii.** (No change in text.)

[xxxv.] **xxxiv.** The definitions of the terms "substantial improvement[,]" **and** "substantial damage[,]" [and "substantial structural damage"] shall be deleted.

[xxxvi.] **xxxv.** (No change in text.)

3. Chapter 3, Use and Occupancy Classification, shall be amended as follows:

i. (No change.)

[ii. In Section 307.2, Definitions, the following term shall be inserted: "RADIOACTIVE MATERIAL."]

Recodify existing iii.-iv. as **ii.- iii.** (No change in text.)

[v. In Section 308.2, Definitions, the following terms shall be inserted: "BOARDING HOUSE," "EVACUATION, IMPRACTICAL," "EVACUATION, SLOW," and "RESIDENTIAL HEALTH CARE FACILITES." Additionally, the following terms shall be deleted: "FOSTER CARE FACILITES" and "INCAPABLE OF SELF PRESERVATION."]

[vi.] **iv.** In Section [308.3] **308.2**, Institutional Group I-1, in the fourth line following "environment" a comma shall be inserted and "and" shall be deleted. In the fifth line, following the word "care" the following shall be inserted: "and are capable of slow evacuation." Additionally, in the list, the word "treatment" shall be inserted following "drug" in

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the first item; "Assisted living facilities" and "Congregate care facilities" shall be deleted; and the terms "Boarding houses" and "Residential health care facilities" shall be inserted.

[vii.] **v.** In Section [308.4] **308.3**, Group I-2, "who are incapable of self-preservation" shall be deleted and "where evacuation is impractical" shall be inserted. Additionally, "Assisted living facilities" shall be added to the list and "Foster care facilities" shall be deleted.

[viii.] **vi.** In Section [308.4.2] **308.3.2**, Five or fewer persons receiving medical care, in the sixth and seventh line delete "903.3.1.3 or with Section P2904 of the International Residential Code" and insert "903.3.1.1".

[ix.] **vii.** In Section [308.5] **308.4**, Institutional Group I-3, in the fourth and fifth lines "who are generally incapable of self-preservation" shall be deleted and "where evacuation is impractical" shall be inserted.

[x.] **viii.** Section [308.6.1] **308.5.1**, Classification as Group E, shall be deleted in its entirety.

[xi.] In Section 310.2, Definitions, the following terms shall be deleted: "CONGREGATE LIVING FACILITIES," "GUEST ROOM," "LODGING HOUSE," and "PERSONAL CARE SERVICE." Additionally, the following terms shall be inserted: "SINGLE RESIDENTIAL OCCUPANCY," "EVACUATION, SLOW," and "ROOMING HOUSE."]

[xii.] **ix.** In Section [310.3] **310.2**, Residential Group R-1, in the third line "in nature" shall be deleted. Additionally, the list of occupancies shall be deleted in its entirety and the following list inserted:

"Hotels

Motels

Vacation timeshare properties"

[xiii.] **x.** In Section [310.4] **310.3**, Residential Group R-2, in the third line "in nature" shall be deleted. Additionally, the following shall be deleted from the list of occupancies: "Boarding houses (non-transient) [with more than 16 occupants]," "Congregate living facilities (non-transient) with more than 16 occupants," "Hotels (non-transient)," "Motels (non-transient)," and "Vacation timeshare properties." The following item shall be added to the list: "Rooming houses with more than 5 occupants".

[xiv.] **xi.** In Section [310.5] **310.4**, Residential Group R-3, in the second and third line "in nature" shall be deleted. Additionally, in the list of occupancies, [the second entry,] **Congregate living facilities (nontransient) with 16 or fewer occupants, shall be deleted and** Boarding houses (non-transient) shall be amended by deleting "(non-[page=294] transient)," [by deleting "16,"] and by inserting "**with 5 or fewer occupants**". The terms ["Boarding houses (transient) with 10 or fewer occupants," "Congregate living facilities (non-transient) with 16 or fewer occupants,"] "**Convents,**" "**Dormitories,**" "**Fraternities and Sororities,**" "**Monasteries,**" "Congregate living facilities (transient) with 10 or fewer occupants," "**Boarding Houses (transient),**" and "Lodging houses with five or fewer guest rooms **and 10 or fewer occupants**" shall be deleted. The terms "Alcohol and drug treatment houses with 5 or fewer residents," "Detached one- and two-family dwellings greater than three stories in height, multiple single-family townhouses greater than three stories in height, attached two-family dwellings separated from adjacent units by firewalls, and other one- and two-family dwellings that are outside the scope of the one- and two-family dwelling subcode," "Group homes with five or fewer occupants in accordance with Section 308.3.4," "Rooming houses with five or fewer occupants," and "Single residential occupancies, accessory to a dwelling unit, having no more than five roomers or lodgers. (Single occupancies, accessory to a dwelling unit, having more than five roomers or lodgers shall be classified as Group R-2 or I-1, as appropriate.)" shall be inserted.

[xv.] **xii.** Section [310.5.1] **310.4.1**, Care facilities within a dwelling, and Section [310.5.2] **310.4.2**, Lodging houses, shall be deleted.

[xvi.] **xiii.** In Section [301.6] **310.5**, Residential Group R-4, in the fifth line following "environment" a comma shall be inserted and "and" shall be deleted. In the fifth line, following the word "care," the following shall be inserted: "and are capable of slow evacuation". Additionally, in the list, the word "treatment" shall be inserted following "drug" in

the first item; "Assisted living facilities" and "Congregate care facilities" shall be deleted; and the term "Boarding houses" shall be inserted.

[xvii.] **xiv.** New Section [310.7] **310.6**, Residential Group R-5, shall be inserted as follows: "Residential Group R-5 occupancies shall include all detached one- and two-family dwellings not more than three stories in height with a separate means of egress and multiple single-family townhouses not more than three stories in height with a separate means of egress designed and constructed in accordance with the International Residential Code. This Group shall also include:

Care facilities that provide accommodations for five or fewer persons receiving care;

Single residential occupancies, accessory to a dwelling unit, having no more than five roomers or lodgers. (Single occupancies, accessory to a dwelling unit, having more than five roomers or lodgers shall be classified as Group R-2 or I-1, as appropriate.);

Group Homes with 5 or fewer occupants in accordance with Section 308.3.4;

Rooming houses with five or fewer residents;

Cooperative sober living residences with not more than 10 occupants, excluding staff; each occupant, including staff, shall be capable of prompt evacuation."

4. Chapter 4, Special Detailed Requirements Based on Use and Occupancy, shall be amended as follows:

i. (No change.)

ii. In Section [406.3.4.1] **406.3.2.1**, Dwelling unit separation, the last sentence shall be deleted.

**iii. In Section 407.2.6, Nursing home cooking facilities, in the title, add "and Assisted Living" after home.**

[iii.] **iv.** (No change in text.)

[iv.] **v.** In Section [407.10] **407.11**, Electrical systems, "Chapter 27" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.

[v.] **vi.** In Section [411.4] **411.3**, Automatic sprinklers, the exception shall be deleted in its entirety.

Recodify existing vi.-vii. as **vii.-viii.** (No change in text.)

**ix. In Section 420.7, Group I-1 Assisted living housing units, in the title and in the first line, change "I-1" to "I-2"; delete Item #4; and in Item #5, change "Group I-1, Condition 2" to "Group I-2, Condition 1".**

**x. In Section 422.6, Electrical systems, "Chapter 27" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.**

[viii.] **xi.** (No change in text.)

5. Chapter 5, General Building Heights and Areas, shall be amended as follows:

i.-iv. (No change.)

v. Table 506.2, ALLOWABLE AREA FACTOR IN SQUARE FEET, shall be amended as follows:

(1) Footnotes c, d, e, f, and h shall be deleted. **The following portion of footnote "i" is deleted, "or the allowable area shall be permitted to comply with Table C102.1 of Appendix C."**

(2)-(5) (No change.)

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vi.-viii. (No change.)

6. Chapter 6, Types of Construction, shall be amended as follows:

i. In Table 602, Fire Resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance, "U" shall be deleted from the heading of the fifth column. **In addition, footnote h shall be deleted.**

ii. (No change.)

7. Chapter 7, Fire and Smoke Protection Features, shall be amended as follows:

i. (No change.)

ii. In Section 703.4, Automatic sprinklers, [in] the last sentence[, "Sections 104.10 and 104.11" shall be deleted and "[N.J.A.C. 5:23](#)"] shall be [inserted] **deleted**.

iii.-viii. (No change.)

**ix. In Section 715.3, Fire test criteria, in the exception, "10 feet (3048 mm)" shall be deleted and "5 feet (1524 mm)" shall be inserted.**

8. Chapter 9, Fire Protection Systems, shall be amended as follows:

i.-vii. (No change.)

viii. New Section 903.2.13, Automatic sprinkler system thresholds, shall be inserted as follows: "An automatic sprinkler system shall be required in accordance with Section 903.3.1.1 when the maximum area is exceeded for the following construction types of Groups B, F-2, and S-2 according to [table] **Table 903.2.13, Automatic Sprinkler System Thresholds**. All others not listed shall follow the applicable requirements as set forth in the [IBC/2015] **IBC/2018**."

#### Automatic Sprinkler System Thresholds

Group

B

Story	IIB	IIIB	VB
	Max. Area	Max. Area	Max. Area
----	-----	-----	-----
1	36,000	*	*
2	72,000 (36,000 per floor)	*	*
3	99,360 (36,000 per floor)	99,360 (36,000 per floor)	*

Group

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F-2

Story	IIB	IIIB	VB
	Max. Area	Max. Area	Max. Area
----	-----	-----	-----
1	36,000	*	18,000
2	72,000 (36,000 per floor)	*	36,000 (18,000 per floor)
3	99,360 (36,000 per floor)	*	*

Group

S-2&lt;a&gt;

Story	IIB	IIIB	VB
	Max. Area	Max. Area	Max. Area
----	-----	-----	-----
1	36,000	36,000	18,000
2	72,000 (36,000 per floor)	72,000 (36,000 per floor)	36,000 (18,000 per floor)
3	99,360 (36,000 per floor)	99,360 (36,000 per floor)	*

[page=295] a. Exception--Open parking structures in accordance with Section 406.5

\*Requirements as set forth in the [IBC/2015] **IBC/2018**"

ix.-xi. (No change.)

xii. [In] Section 903.3.8, Limited area sprinkler systems, [the text] **Section 903.3.8.1, Number of sprinklers, Section 903.3.8.2, Occupancy hazard classification, Section 903.3.8.3, Piping arrangement, Section 903.3.8.4, Supervision, and Section 903.3.8.5, Calculations**, shall be deleted and the following shall be inserted in its place: "903.3.8 Limited area sprinkler systems. Limited area sprinkler systems serving fewer than 20 sprinklers on any single connection are permitted to be connected to the domestic service where a wet automatic standpipe is not available. Limited area sprinkler systems connected to domestic water supplies shall comply with each of the following requirements:

1. Valves shall not be installed between the domestic water riser control valve and the sprinklers.

Exception: An approved indicating control valve supervised in the open position in accordance with Section 903.4.

2. The domestic service shall be capable of supplying the simultaneous domestic demand and the sprinkler demand required to be hydraulically calculated by NFPA 13, NFPA 13R or NFPA 13D."

xiii.-xxxi. (No change.)

**xxxii. In Section 905.11, Locking standpipe outlet caps, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.**

[xxxii.] **xxxiii.** In Section 906.1, Where required, in the exception to Item #1, [number the exception as #1 and] insert the following exception from the 2009 International Building Code: "[2.] **3.** In new Group A, B and E occupancies equipped throughout with quick response sprinklers, portable fire extinguishers shall be required only in locations specified in Items 2 through 6." Additionally, in Item #6, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

[xxxiii.] **xxxiv.** In Section 906.5, [Where required] **Conspicuous location**, "fire code official" shall be deleted and "fire protection subcode official" shall be inserted.

[xxxiv.] **xxxv.** (No change in text.)

**xxxvi. Section 907.1.2 Fire alarm shop drawings is deleted, and the following text from the 2015 International Building Code is substituted:**

**907.1.2 Fire alarm shop drawings. Shop drawings for fire alarm systems shall be submitted for review and approval prior to system installation, and shall include, but not be limited to, all of the following where applicable to the system being installed:**

- 1. A floor plan that indicates the use of all rooms.**
- 2. Locations of alarm-initiating devices.**
- 3. Locations of alarm notification appliances, including candela ratings for visible alarm notification appliances.**
- 4. Design minimum audibility level for occupant notification.**
- 5. Location of fire alarm control unit, transponders and notification power supplies.**
- 6. Annunciators.**
- 7. Power connection.**
- 8. Battery calculations.**
- 9. Conductor type and sizes.**
- 10. Voltage drop calculations.**
- 11. Manufacturers' data sheets indicating model numbers and listing information for equipment, devices and materials.**
- 12. Details of ceiling height and construction.**
- 13. The interface of fire safety control functions.**
- 14. Classification of the supervising station.**

xxxvii. A new Section 907.2.9A, Automatic smoke detection systems for Group R-4, shall be added to include Section 907.2.10.2, Automatic smoke detection system, of the IBC/2015:

**907.2.9A, Automatic smoke detection systems for Group R-4. An automatic smoke detection system that activates the occupant notification system in accordance with Section 907.5 shall be installed**

**in corridors, waiting areas open to corridors and habitable spaces other than sleeping units and kitchens.**

**Exceptions:**

**1. Smoke detection in habitable spaces is not required where the facility is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1.**

**2. An automatic smoke detection system is not required in buildings that do not have interior corridors serving sleeping units and where each sleeping unit has a means of egress door opening directly to an exit or to an exterior exit access that leads directly to an exit.**

Recodify existing xxxv.-xl. as xxxviii.-xlvii. (No change in text.)

**xlviii. Section 907.5.2.3.3 is deleted and the following language from the 2015 International Building Code is substituted:**

**907.5.2.3.3 Group R-2. In Group R-2 occupancies required by Section 907 to have a fire alarm system, all dwelling units and sleeping units shall be provided with the capability to support visible alarm notification devices in accordance with Chapter 10 of ICC A117.1. Such capability shall be permitted to include the potential for future interconnection of the building fire alarm system with the unit smoke alarms, replacement of audible appliances with combination audible/visual appliances, or future extension of the existing wiring from the unit smoke alarm locations to required locations for visible appliances.**

Recodify existing xliv.-lvii. as xlix.-lxii. (No change in text.)

[lviii.] **lxiii.** In Section 911.1.1, Location and access, "fire [chief] **code official**" shall be deleted and "fire subcode official" shall be inserted.

**lxiv. In section 911.1.6, in item 18, after the word "switch(es)" insert the phrase "that are provided in accordance with ASME A17.1/CSA B44, and."**

Recodify existing lix.-lxiv. as lxv.-lxx. (No change in text.)

[lxv.] **lxxi.** Section 912.3, Fire hose threads, shall be renumbered as 912.5 [with no change in text].

[lxvi.] **lxxii.** Section 912.4, Access, shall be renumbered as 912.6. Additionally, in the last sentence of the section and the last sentence of the exception, "fire [chief] **code official**" shall be deleted and "fire protection subcode official" shall be inserted.

[lxvii.] **lxxiii.** (No change in text.)

[lxviii.] **lxxiv.** Section 912.4.2, Clear space around connections, shall be renumbered as 912.6.2 and "except as otherwise required or approved by the fire [chief] **code official**" shall be deleted.

[lxix.] **lxxv.** Section 912.4.3, Physical protection, shall be renumbered as 912.6.3 [with no change in text].

[lxx.] **lxxvi.** Section 912.5, Signs, shall be renumbered 912.7 [with no change in text].

[lxxi.] **lxxvii.** Section [912.5] **912.6**, Backflow protection, shall be renumbered as [912.7] **912.8**. Also, "International Plumbing Code" shall be deleted and "the plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

Recodify existing lxxii.-lxxx. as **lxxviii.-lxxxvi.** (No change in text.)

9. Chapter 10, Means of Egress, shall be amended as follows:

i. The term "or Type B unit" shall be deleted and "or" shall be inserted between "Accessible units" and "Type A units" in the following sections: Section 1010.1.1, Exceptions **1, 7, and 8**; Section 1010.1.5, Exception 3; Section 1010.1.7, Exception 1.3; Section 1012.6.3, Exception 1; and Section 1012.6.4, Exception.

ii. (No change.)

iii. In Section [1004.1.2] **1004.5**, Areas without fixed seating, the exception shall be deleted in its entirety.

iv. In Table [1004.1.2] **1004.5**, MAXIMUM FLOOR AREA ALLOWANCE PER OCCUPANT, in the first column, FUNCTION OF SPACE, 25th row, delete "swimming pools," "and pool," and "Decks"; in the second column, OCUPANT LOAD FACTOR, 25th row, delete "15 gross."

v. In Section [1004.2] **1004.5.1**, Increased occupant load, "7 square feet (.65 m<2>)" shall be deleted and "5 square feet (.47 m<2>)" shall be inserted.

[vi. In Section 1006.2.1 Egress based on occupant load and common path of egress travel distance, in Exception #1, in the first sentence, "and R-3" shall be deleted. In the same sentence, "20" shall be deleted and "10" [page=296] shall be inserted. In addition, a new exception shall be inserted as follows: "3. In buildings of Group R-3 occupancy."]

vi. In Section **1006.2.2.6**, Groups R-3 and R-4, the title shall be deleted and the following shall be inserted: "**Group R-4**". Additionally, the first sentence of the section shall be deleted.

vii. In Table **1006.2.1**, Spaces with one exit or exit access doorway, in the 5th column of the 10th row (R-3), the reference to footnote a shall be deleted; and in footnote g, "R-3 and" shall be deleted. Additionally, in the heading over the 3rd, 4th, and 5th row, "Common Path of Egress" shall be deleted and "Exit Access" shall be inserted.

viii. In Section **1006.3.3**, Single exits, in condition 1, "common path of travel" shall be deleted and "exit access" shall be inserted.

ix. In Table **1006.3.3(1)**, Stories with one exit or access to one exit for R-2 occupancies, in the heading of the fourth column, "common path of travel" shall be deleted and "exit access" shall be inserted.

[vii.] x. In Table 1006.3.2(2), Stories with One Exit or Access to One Exit from Other Occupancies, under the heading "Occupancy," "U" shall be deleted from the first row. Additionally, in the heading of the fourth column, "common path of travel" shall be deleted and "exit access" shall be inserted.

xi. Section **1008.2.3**, Exit discharge, is deleted.

[viii.] xii. In Section [1009.3, Stairways] **1009.3.3**, Area of refuge, Exception [5] 2 shall be deleted.

xiii. In Section **1009.4.1** "Standby power," in the second sentence "ASME A17.1/CSA B44 and" shall be inserted between the words "with" and "Chapter 27."

[ix.] xiv. In Section [1009.4, Elevators in the first sentence, "Chapter 27" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted. Additionally,] **1009.4.2** Area of refuge, Exception 2 shall be deleted.

[x. In Section 1009.5, Platform lifts, in the second sentence, "Chapter 27" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.]

xv. In Section **1009.7.2**, Separation, the exception shall be deleted.

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[xi.] **xvi.** In Section 1010.1.1, Size of Doors, Exception [8] **9** shall be deleted.

[xii.] **xvii.** (No change in text.)

[xiii.] **xviii.** In Section 1010.1.5, Floor elevation, in Exception 3, "[7.75] **7 3/4** inches (197 mm)" shall be deleted and "[8.25] **8 1/4** inches (210 mm)" shall be inserted. Additionally, Exception 5 shall be deleted.

[xiv.] **xix.** In Section 1010.1.7, Thresholds, in the Exception #1, "[7.75] **7 3/4** inches (197 mm)" shall be deleted and "[8.25] **8 1/4** inches (210 mm)" shall be inserted. Additionally, Exception #2 shall be deleted.

[xv.] **xx.** (No change in text.)

[xvi.] **xxi.** Section [1010.1.9.3] **1010.1.9.4**, Locks and latches, shall be amended as follows: In Item 2, following "Group A," insert "other than nightclubs". In the same item, "and in places of religious worship" shall be deleted. In the same section, Item [6] **7** shall be inserted as follows: "[6.] **7.** Key operation shall be permitted from a dwelling unit provided that the key cannot be removed from the lock when the door is locked from the side from which egress is made."

Recodify existing xvii.-xix. as **xxii.-xxiv.** (No change in text.)

[xx. In Section 1013.6.3, Power source, in the last sentence, "Chapter 27" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.]

Recodify existing xxi.-xxiv. as **xxv.-xxviii.** (No change in text.)

**xxix. Section 1020.1.1, Hoistway opening protection is deleted.**

[xxv.] **xxx.** In Table 1020.1, Corridor Fire Resistance Rating, under the heading "Occupancy," "U" shall be deleted from the third row. [In addition, under the heading "without sprinkler system," "Not Permitted" shall be deleted from the fifth row and "1" shall be inserted.]

Recodify existing xxvi. - xxviii. as **xxxi.-xxxiii.** (No change in text.)

[xxix.] **xxxiv.** Section 1030.1, General, shall be amended as follows: In the second [sentence] **paragraph**, "Basements and" shall be deleted and "sleeping" shall be capitalized. In the same section, Exception 1 shall be deleted its entirety. In Exception 2, "basements or" shall be deleted. In addition, Exception 3 shall be deleted in its entirety. **Finally, Exception 2 shall be renumbered as Exception 1 and Exception 4 shall be renumbered as Exception 2.**

**xxxv. Section 1030.5, Bars, grills, covers and screens; the last sentence shall be deleted.**

10. Chapter 11, Accessibility, shall be amended as follows:

i. (No change.)

**ii. Insert Section 1101.2 as follows:**

**"1101.2 Existing facilities. Any building or portion of a building constructed or altered to be accessible shall be maintained accessible."**

[ii.] **iii.** In Section [1101.2] **1102.1**, Design, "amended as follows:" shall be added to the end of the sentence and the following list shall be inserted:

1. The text at section 105.2, entitled "Documents," shall be amended as follows:

1.1 In section 105.2.2.2, entitled "National Fire Alarm Code," delete "NFPA 72-2007" and insert "the edition of NFPA 72 adopted by reference in this subcode;"

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1.2 In section 105.2.3, entitled "Power Assist and Low Energy Power Operated Doors," delete "ANSI/BHMA A156.19-2007" and insert "the edition of ANSI/BHMA A156.19 adopted by reference in this subcode;"

1.3 In section 105.2.4, entitled "Power Operated pedestrian Doors," delete "ANSI/BHMA A156.10" and insert "the edition of ANSI/BHMA A156.10 adopted by reference in this subcode;"

1.4 In section 105.2.5, entitled "Safety Code for Elevators and escalators," delete "ASME/ANSI A17.1-2007/CSA B44-07" and insert "the edition of ASME/ANSI A17.1/CSA B44 adopted by reference in this subcode;"

1.5 In section 105.2.6, entitled "Safety Standard for Platform Lifts and Stairway Chairlifts," delete "ASME/ANSI A18.1-2005" and insert "ASME/ANSI A18.1 adopted by reference in this subcode."

2. In section 106.5, delete the definition of "Administrative Authority";

3. Delete Chapter 2, "Scoping";

**4. Section 410.2 shall be deleted in its entirety and the following language from the 2003 edition of ICC/ANSI A117.1-2003 shall be inserted:**

**410.2 Lift Entry. Lifts with doors or gates shall comply with Section 410.2.1. Lifts with ramps shall comply with Section 410.2.2.**

**410.2.1 Doors and Gates. Doors and gates shall be low energy power operated doors or gates complying with Section 404.3. Doors shall remain open for 20 seconds minimum. End door clear opening width shall be 32 inches (815 mm) minimum. Side door clear opening width shall be 42 inches (1065) minimum.**

**EXCEPTION: Lifts serving two landings maximum and having doors or gates on opposite sides shall be permitted to have self-closing manual doors or gates.**

**410.2.2 Ramps. End ramps shall be 32 inches (815 mm) minimum in width. Side ramps shall be 42 inches (1065 mm) minimum in width.**

[4.] **5.** In section 410.5.2, Lifts with Doors on Adjacent Sides, the Exception shall be [deleted] **amended to add the following phrase after the words "in existing buildings," "where technically infeasible to provide the door arrangement prescribed by 410.5.2."**

[5.] **6.** In section 604.5.2, entitled "Rear Wall Grab Bars," delete Exception 2 in its entirety.

[6.] **7.** Delete section 607.8, entitled "Water Temperature," in its entirety.

[7.] **8.** Delete section 608.8, entitled "Water Temperature," in its entirety.

[8.] **9.** In section 611, entitled "Washing Machines and Clothes Dryers," delete section 611.3, entitled "Operable parts," and section 611.4, entitled "Height."

[9.] **10.** Sections 804.5.2, entitled "Operable Parts," 804.5.3, entitled "Dishwasher," 804.5.4, entitled "Cooktop," 804.5.5, entitled "Oven," and 804.5.6, entitled "Refrigerator/Freezer," shall be deleted in their entirety.

[10.] **11.** Amend section 1002.3.1, entitled "Location," as follows:

[10.1] **11.1** In the Exception, delete the word "unfinished" in two places.

[11.] **12.** In section 1002.15.2, Bed Frames, "with a minimum of six and one-half inches clear from the floor to the lowest level of the bed frame" shall be inserted at the end of the sentence.

[12.] **13.** Amend section 1003.3.1, entitled "Location," as follows: Insert "1." before the existing exception and delete "unfinished" in two [page=297] places. Additionally, insert "Exception 2. An accessible route is not required to

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exterior decks, patios, or balconies that have impervious or improved surfaces that are not more than four (4) inches below the finished floor level of the adjacent interior space of the dwelling unit."

[13.] **14.** In Section 1003.9, Operable parts, Exception 2 shall be deleted and the following shall be inserted: "Receptacle outlets provided in a kitchen above a length of countertop shall not be required to comply with Section 309."

[14.] **15.** Section 1003.10, Laundry equipment, shall be deleted in its entirety.

[15.] **16.** Section 1003.11.2.5.2, entitled "Shower," shall be amended as follows:

[15.1] **16.1** In the first line, after the word "Exception," insert the number "1."

[15.2] **16.2** Add the following text at the end of the Exception: "2. The threshold for a shower compartment may be adaptable provided the shower threshold can be made accessible with minimal expense and effort."

[16.] **17.** In section 1003.12.3.1, entitled "Clear Floor Space," delete Exception (a) in its entirety and insert in its place: "(a) the cabinetry can be removed or replaced as a unit,".

[17.] **18.** In section 1003.12.3.2, entitled "Height," delete the exception in its entirety and insert the following in its place: "Exception: A counter that is adjustable or replaceable as a unit to provide a work surface at heights between 29 inches minimum and 36 inches maximum shall be permitted."

[18.] **19.** In section 1003.12.4.1, entitled "Clear Floor Space," delete Exception 2 (a) in its entirety and insert in its place: "(a) the cabinetry can be removed or replaced as a unit,".

[19.] **20.** In section 1003.12.4.2, entitled "Height," delete the exception in its entirety and insert the following in its place: "Exception: A sink and counter that is adjustable or replaceable as a unit at heights between 29 inches minimum and 36 inches maximum, provided rough-in plumbing permits connections of supply and drain piping for sinks mounted at heights of 29 inches, shall be permitted."

[20.] **21.** In section 1003.12.5, entitled "Appliances," delete the following sections: section 1003.12.5.1, entitled "Operable parts"; section 1003.12.5.3, entitled "Dishwasher"; section 1003.12.5.4, entitled "Cooktop"; section 1003.12.5.5, entitled "Oven"; and section 1003.12.5.6, entitled "Refrigerator/Freezer."

[21.] **22.** Delete section 1004, entitled "Type B Units," in its entirety.

[iii. Insert Section 1101.3 as follows:

"1101.3 Existing facilities. Any building or portion of a building constructed or altered to be accessible shall be maintained accessible.]"

iv.-v. (No change.)

vi. Section 1104.4, [Multilevel] **Multistory** buildings and facilities, shall be deleted and the following shall be inserted:

"1104.4 Multilevel nonresidential buildings and multilevel buildings of Group R-1

1104.4.1 Small Buildings. Small buildings, defined as those with a total gross enclosed floor area of less than 10,000 square feet, shall be required to have at least one accessible entrance on the ground (or first) floor and accessible interior building features on all floors. Except as provided in Sections 1104.4.1.1-1104.4.1.5, small buildings that are not more than two stories shall not be required to have an elevator(s) to provide a vertical accessible route between floors. Small buildings that are three or more stories shall be required to have an elevator(s) to provide a vertical accessible route between floors; however, in such buildings, floors that are less than 3,000 square feet or floors with only mechanical equipment shall not be required to be served by an elevator.

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[1104.4.1.1 A limited use limited application elevator that complies with ANSI/ASME A17.1 adopted by reference in the building subcode may be used to provide a vertical accessible route to a floor or mezzanine of less than 3,000 square feet provided the travel distance does not exceed 25 feet.]

[1104.4.1.2] **1104.4.1.1** Regardless of the square footage of the buildings or floors, buildings of two or more stories that are owned and occupied by public entities shall provide a vertical accessible route between floors.

[1104.4.1.3] **1104.4.1.2** Regardless of the square footage of the buildings or floors, buildings of two or more stories that house public transit stations or airport passenger terminals shall provide a vertical accessible route between floors.

[1104.4.1.4] **1104.4.1.3** Regardless of the square footage of the buildings or floors, buildings of two or more stories that house the professional offices of health care providers shall provide a vertical accessible route between floors.

[1104.4.1.5] **1104.4.1.4** Regardless of the square footage of the buildings or floors, buildings of two or more stories that house shopping centers or shopping malls shall provide a vertical accessible route between floors.

[1104.4.1.5.1] **1104.4.1.4.1** For the purposes of applying this requirement, a shopping center or shopping mall shall mean a building or a series of buildings on a common site, under common ownership or control, or developed as one project or as a series of related projects housing five or more sales or rental establishments.

1104.4.2 Large buildings. Large buildings, defined as those with a total gross enclosed floor area of 10,000 square feet or more, shall provide the accessible building features required of small buildings in Section 1104.4.1. In addition, large buildings shall be required to have an elevator(s) to provide a vertical accessible route between floors; however, in such buildings, floors that are less than 3,000 square feet or floors with only mechanical equipment shall not be required to be served by an elevator.

1104.4.2.1 Where facilities for employees, including rest rooms, lunch rooms, and lockers, and public facilities, including rest rooms and drinking fountains, are provided on a floor or mezzanine that is not required to be served by an elevator and where no vertical accessible route is provided, the facilities provided on the floor or mezzanine must also be provided on the accessible level.

[1104.4.2.2 A limited use limited application elevator that complies with ANSI/ASME A17.1 adopted by reference in the building subcode may be used to provide a vertical accessible route to the floor or mezzanine, provided that the travel distance does not exceed 25 feet.]

1104.4.3 For the purposes of applying these provisions, buildings separated by firewalls with penetrations intended for human passage shall not constitute separate buildings.

1104.4.4 The following provisions shall apply to a nonresidential building required to be accessible, whether a large building or a small building.

1104.4.4.1 An accessible route available to the general public shall not pass through kitchens, storage rooms, or similar spaces.

1104.4.4.2 In buildings, facilities, or portions thereof that primarily serve children, accessible facilities that comply with the provisions of this subchapter for use by adults shall be provided."

**1104.4.5 Limited Use Limited Access Elevators--the use of a Limited Use Limited Access Elevator shall be permitted in accordance with the provisions of 1109.7.**

vii. (No change.)

viii. In Section 1106.2, Groups I-1, R-1, R-2, R-3, and R-4, insert the following at the end of item number 1: "Where additional parking spaces or parking lots are provided for visitors, the number of required accessible parking spaces shall comply with the Table 1106.1." Additionally, item[s] number 3 [and 4] shall be deleted.

ix.-xii. (No change.)

xiii. In Section 1107.4, Accessible route, "and Type B units" shall be deleted from the first sentence and "and" shall be inserted between "Accessible units" and "Type A units." **Exception 6 is amended to delete "or Type B units" from the third line, to delete the words "and Type B units" on the fourth and fifth lines, and to delete the words "and Type B units" on the sixth line. Exception 7 is deleted.**

xiv.-xviii. (No change.)

**xix. In Section 1107.5.3, Group I-2 hospitals, "and Type B units" and "and 1107.5.3.2" shall be deleted.**

**xx. Section 1107.5.3.2, Type B Units, shall be deleted in its entirety.**

[xix.] **xxi.** Section [1107.5.2.3] **1107.5.5** shall be added as follows: 1107.5.2.3[:] **Assisted living facilities.** Assisted living facilities that are licensed by the Department of Health are Group I-2 for compliance with the building subcode, fire protection subcode, and the other subcodes of [page=298] the Uniform Construction Code and shall be Group R-2 for the purposes of accessibility.

[1107.5.2.3.1] **1107.5.5.1.** Dwelling units that are available for occupancy only for 30 or more consecutive days shall be required to comply with Section 1003 of ICC/ANSI A117.1.

[1107.5.2.3.2] **1107.5.5.2.** Where an assisted living facility includes dwelling units or rooms that are available for occupancy for fewer than 30 consecutive days, 50 percent of those dwelling units or rooms shall be accessible in conformance with Section 1002 of ICC/ANSI A117.1 and shall include one full bathroom that complies with Section 1002 of ICC/ANSI A117.1 and, where a kitchen is provided, it shall comply with Section 1002 of ICC/ANSI A117.1.

[1107.5.2.3.3] **1107.5.5.3.** In dwelling units in an assisted living facility that are designated Group R-2 for the purposes of accessibility, the following may be adaptable:

[1107.5.2.3.3.1] **1107.5.5.3.1.** The threshold for an accessible transfer shower may be adaptable as long as the shower threshold can be adapted with minimal expense and effort to be accessible; and

[1107.5.2.3.3.2] **1107.5.5.3.2.** A transfer-type shower of 36 inches by 48 inches that includes an accessible seat may be provided in individual dwelling units. The threshold of this shower shall not exceed four inches.

**(Agency Note:** The text of the International Building Code 2015, New Jersey Edition lists 1107.5.5, Group I-3, along with 1107.5.5.1, 1107.5.5.2, and 1107.5.5.3; however, as there is not change from the model code, such paragraphs are not reproduced in the New Jersey Administrative Code, they are incorporated by reference as part of [N.J.A.C. 5:23-3.14\(b\)](#)<sup>21</sup>. As a result of the changes to recodified [N.J.A.C. 5:23-3.14\(b\)](#)<sup>21</sup>xxi, the sections of the International Building Code 2015, New Jersey Edition listed above are renumbered as 1107.5.6, 1107.5.6.1, 1107.5.6.2, and 1107.5.6.3 with no change from their existing text.)

[xx. In Section 1107.5.3, Group I-2 hospitals, "and Type B units" and "and 1107.5.3.2" shall be deleted.

xxi. Section 1107.5.3.2, Type B Units, shall be deleted in its entirety.]

xxii.-xxv. (No change.)

xxvi. In Section 1107.6.2.1, Live/work units, in the last sentence, "be a Type B unit" shall be deleted and "comply with Sections 1107.6.2.2 and 1107.7" shall be inserted. **Additionally, the exception shall be deleted.**

xxvii. In Section 1107.6.2.2, Apartment houses, monasteries and convents, "Live/Work Units" shall be added before "Apartment" in the title, "and Type B units" and "and 1106.6.2.2.2" shall be deleted, and "Live/Work Units" shall be added before "Apartment" in the third line. [Additionally, the exception shall be deleted.]

xxviii.-xxxvi. (No change.)

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xxxvii. Section 1107.7.1, Structures without elevator service, **1107.7.1.1, One story with Type B units required, and 1107.7.1.2, Additional stories with Type B units**, shall be deleted in [its] **their** entirety.

xxxviii. Section 1107.7.2, Multistory units, shall be renumbered as Section 1107.1.1. The first sentence of Section 1107.7.1 shall be deleted and replaced with the following: A multistory dwelling unit or sleeping unit that is not provided with elevator service is required to be accessible as follows: The primary entrance to the unit shall comply with the requirements for a Type A unit and, where provided within the unit, a living area, kitchen, and toilet and bathing facility that comply with Type A dwelling unit shall be provided on that floor. In the [third line and the] seventh line, "Type B **dwelling** unit" shall be deleted and "Type A unit" inserted in its place. Additionally, in the seventh line, following the word "toilet," "and bathing" shall be inserted.

xxxix.-xlv. (No change.)

xlvi. In Section 1110.2.2, Facilities serving Type A and Type B units in a single building, delete "and Type B" in the title and "**or Type B**" in the first sentence.

xlvii. In Section 1110.2.3, Facilities serving Type A and Type B units in a multiple buildings, delete "and Type B" in the title and "**or Type B**" in the first sentence.

xlviii. Section 1110.4.8, Amusement rides, **1110.4.8.1, Load and unload areas, 1110.4.8.2, Wheelchair spaces, ride seats designed for transfer and transfer devices, and 1110.4.8.3, Minimum number** shall be deleted in [its] **their** entirety.

xlix. Section 1110.4.12, Miniature golf facilities, **1110.4.12.1, Minimum number, 1110.4.12.2, Miniature golf course configuration, and 1110.4.12.3, Accessible route** shall be deleted in [its] **their** entirety.

**I. In section 1110.4.13, Swimming pools, wading pools, hot tubs, and spas, Exception 3 shall be deleted in its entirety.**

Recodify existing I.-liii. as **li.-liv**. (No change in text.)

11. Chapter 12, Interior Environment, shall be amended as follows:

i. Section [1204] **1203**, Temperature Control, shall be deleted in its entirety.

ii. In Section [1208.2] **1207.2**, Minimum ceiling heights, "7 feet 6 inches (2286mm)" shall be deleted and "7 feet (2134 mm)" shall be inserted in its place.

iii. Section [1210.3] **1209.3**, Privacy, shall be deleted in its entirety.

12. (No change.)

13. Chapter 14, Exterior Walls, shall be amended as follows:

i. In Section [1405.11.4] **1404.11.4**, Grounding, "Chapter 27 of this code" shall be deleted and "the electrical subcode, [N.J.A.C. 5:23-3.16](#)" shall be inserted.

14. Chapter 15, Roof Assemblies and Rooftop Structures, shall be amended as follows:

i. In Section [1503.4] **1502.1**, [Roof drainage] **General**, "**Sections 1106 and 1108 of the International Plumbing Code**" shall be deleted and "plumbing subcode, [N.J.A.C. 5:23-3.15](#)" shall be inserted.

ii. In Section [1503.4.1] **1502.2**, Secondary (emergency overflow) drains or scuppers, "Sections 1106 and 1108, as applicable of the International Plumbing Code" shall be deleted and "the plumbing subcode, [N.J.A.C. 5:23-3.15](#)" shall be inserted.

iii. (No change.)

iv. In Section [1507.2.8.2] **1507.1.2**, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

**v. In Section 1507.2.7, Ice barrier, "Where required," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.**

[v.] vi. (No change in text.)

[vi.] vii. In Section 1507.5.4, Ice barrier, "[In areas where there has been a history of ice forming along the eaves causing a backup of water] **Where required**," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

**viii. In Section 1507.5.7, Flashing, "or where there has is a possibility of ice forming along the eaves causing a backup of water," shall be deleted.**

[vii.] ix. In Section 1507.6.4, Ice barrier, "[In areas where there has been a history of ice forming along the eaves causing a backup of water] **Where required**," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

[viii.] x. In Section 1507.7.4, Ice barrier, ["or where there has is a possibility of ice forming along the eaves causing a backup of water,"] "**Where required**" shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

[ix] xi. In Section 1507.8.4, Ice barrier, ["In areas where there has been a history of ice forming along the eaves causing a backup of water,"] **Where required** shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

**xii. In Section 1507.8.8, Flashing, "or where there is a possibility of ice forming along the eaves causing a backup of water," shall be deleted.**

[x.] xiii. In Section 1507.9.4, Ice barrier, ["In areas where there has been a history of ice forming along the eaves causing a backup of water,"] "**Where required**" shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

**xiv. In Section 1507.9.9, Flashing, "or where there has is a possibility of ice forming along the eaves causing a backup of water," shall be deleted.**

[page=299] [xi.] xv. In Section 1507.17.4[.2], Ice barrier, ["In areas where there has been a history of ice forming along the eaves causing a backup of water,"] **Where required**," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.

**xvi. In Section 1507.18.4.2, Ice barrier, "In areas where there has been a history of ice forming along the eaves causing a backup of water," shall be deleted and "In areas where the average daily temperature in January is 25 degrees F (-4 degrees C) or less," shall be inserted.**

15. Chapter 16, Structural Design, shall be amended as follows:

i. (No change.)

ii. In Table 1607.1, Minimum Uniformly Distributed Live Loads and Minimum Concentrated Live Loads, at Note g, "building official" shall be deleted and "design professional" shall be inserted. [Additionally, in the column entitled "Occupancy or Use" at #5, delete "and decks" and below "Balconies" insert "On one- and two-family residences only, and not exceeding 100 sq. ft." In the second column, entitled "Uniform (psf)," on the line for "Balconies," insert "100" and on the line for "On one- and two-family residences only, and not exceeding 100 sq. ft.," insert "60".]

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iii. Section [1607.10] **1607.11**, Reduction in uniform live loads, shall be amended as follows: In the first sentence, "and applied" shall be inserted after "reduced." After the first sentence, "The method chosen shall be applied throughout the building." shall be inserted.

iv.-vi. (No change.)

16.-20. (No change.)

21. Chapter 30, Elevators and Conveyor Systems, shall be amended as follows:

i. (No change.)

ii. In Section 3001.2, [Referenced standards, "ASME A17.1/CSA B44"] **Emergency elevator communication systems for the hearing impaired**, shall be deleted [and "ASME A17.1 with the exception of Sections 1.1.3 and 1.2, Sections 5.8, 5.9, and 5.11, Sections 7.4 through 7.7, and Sections 7.9 through 7.11; ASME A17.1 Appendixes L and P; Table N1; ASME A18.1," shall be inserted after "shall conform to" in the fourth sentence].

iii. **Table 3001.3, Elevators and conveying systems and components**, is amended as follows: Under the subheading "Type" delete "Elevators, escalators, dumbwaiters, moving walks, material lifts" and substitute with "Elevator devices as defined in N.J.A.C. 5:23-12." Under the subheading "Standard" delete "ASME A17.1/CSA B44" and substitute with "ASME A17.1/CSA B44 with the exception of Sections 1.1.3 and 1.2, Sections 5.8, 5.9, and 5.11, and 5.12, Sections 7.4 through 7.7, and Sections 7.9 and 7.10"; Insert new statements: Under the subheading "Type" insert "Marine and Mine Elevators, Wind Turbine Tower Elevators, Outside Emergency Elevators, Material Lifts Without Automatic Transfer Devices, Electric and Hydraulic Material Lifts Without Automatic Transfer Devices, Automatic Transfer Devices, Electric and Hydraulic Material Lifts With Automatic Transfer Devices." and under the subheading "Standard," insert "ASME A17.1/CSA B44 Sections 5.8 and 5.9, 5.11, 5.12, Sections 7.4 through 7.7, and Sections 7.9 and 7.10". In addition, under the subheading standard delete ASME A17.7/CSA B44.7.

[iii.] iv. In Section [3001.4] **3001.5**, Change in use, "Section 8.7 of ASME A17.1/CSA B44" shall be deleted and "ASME A17.1" shall be inserted.

Recodify existing iv.-v. as v.- vi. (No change in text.)

vii. In Section 3003.1.3, **Two or more elevators**, the last sentence shall be deleted and the following sentence shall be substituted "After all elevators have been returned to the designated level, service to all floors shall be provided by not less than one elevator which shall remain operational from the standby power source."

Recodify existing vi.-vii. as viii.-ix. (No change in text.)

x. In Section 3005.6, **Plumbing systems**, add the following exception:

"Exception: Where machinery spaces and control spaces are located in the elevator pit, floor drains, sumps and sump pumps shall be permitted in the pits provided they are indirectly connected to the plumbing system without an oil-water separator. The discharge shall not be directly or indirectly connected to the sanitary system."

[viii.] xi. (No change in text.)

xii. **Section 3006.2.1, Rated corridors**, is deleted.

Recodify existing ix.-xi. as xiii.-xv. (No change in text.)

[xii. In Section 3008.8.1, Protection of wiring or cables, in the first sentence, "or an alternate location approved by the fire department and" shall be deleted.]

[xiii.] **xvi.** (No change in text.)

22. Chapter 31, Special Construction, shall be amended as follows:

i.-iii. (No change.)

iv. Section 3109, Swimming Pool Enclosures and Safety Devices, shall be deleted in its entirety and the following shall be inserted:

#### SECTION 3109 SWIMMING POOLS, SPAS AND HOT TUBS

3109.1 General. The design and construction of pools, spas, hot tubs and enclosures shall comply with the International Swimming Pool and Spa Code listed in Chapter 35.

3109.2 Amendments to the International Swimming Pool and Spa Code. The following amendments shall be made to the International Swimming Pool and Spa Code:

1. Chapter 1, Scope and Administration, shall be deleted in its entirety and **"See the administrative provisions of [N.J.A.C. 5:23](#)," shall be inserted.** In addition, any referenced section of Chapter 1 shall be deleted throughout the code and "the administrative provisions of the Uniform Construction Code ([N.J.A.C. 5:23](#))" shall be inserted.

2. Chapter 2, Definitions, shall be amended as follows:

2.1 In Section [201.2] **201.3**, Terms defined in other codes, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

2.2 In Section 202, Definitions:

2.2.1 The definition of "alteration" shall be deleted.

2.2.2 The definition of "code official" shall be deleted and the following shall be inserted: "Construction Official. A qualified person appointed by the municipal appointing authority or the commissioner pursuant to the act and the regulations to enforce and administer the regulations within the jurisdiction of the enforcing agency."

2.2.3 The definition of "existing pool or spa" shall be deleted.

2.2.4 The definition of "owner" shall be deleted and the following shall be inserted: "Owner. The owner or owners in fee of the property of a lesser estate therein, a mortgagee or vendee in possession, an assignee of rents, receiver, executor, trustee, lessee or any other person, firm or corporation, directly or indirectly in control of a building, structure or real property and shall include any subdivision thereof of the State."

2.2.5 The definitions of "permit" and "repair" shall be deleted.

3. Chapter 3, General Compliance, shall be amended as follows:

3.1 In Section 302.1, Electrical, "or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted.

3.2 In Section 302.2, Water service drainage, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.3 In Sections 302.5, Backflow prevention, and 302.6, Waste-water discharge, "International Plumbing Code or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.4 Section 305, Barrier requirements, shall be amended as follows:

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3.4.1 In Section 305.1, General, [Exception 2] **in the second sentence, "and swimming pools are equipped with a powered safety cover that complies with ASTM F1346"** shall be deleted. **Also in the second sentence, ", hot tubs or pools" shall be replaced with "or hot tubs".**

3.4.2 Section 305.4, Structure wall as a barrier, shall be deleted.

3.4.3 In Section 305.5, Onground residential pool structure as a barrier, in item 3, "capable of being secured, locked or removed to prevent access except where the ladder or steps are" shall be deleted.

3.5 In Section 306.1, General, "in accordance with Section 102.7.1" shall be deleted.

3.6 Sections 306.3, [Stair treads and risers] **Step risers and treads**, and 306.4, Deck steps handrail required, shall be deleted.

3.7 In Section 306.9.1, Hose bibbs, "International Plumbing Code or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

[page=300] 3.8 In Sections [307.2] **307.1.1**, Glazing in hazardous locations, [307.4] **307.2.2**, Materials and structural design, [307.8] **307.1.3**, Roofs or canopies, [and] 316.4, Installation, **and 316.6.1, Installation**, "in accordance with Section 102.7.1" shall be deleted.

3.9 In Section 307.9, Accessibility, the last sentence shall be deleted.

3.10 In Section 318.2, Protection of potable water supply, "International Residential Code or the International Plumbing Code or, as applicable in accordance with Section 102.7.1" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.11 In Section 321.4, Residential pool and deck illumination, "or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted.

4. Chapter 4, Public swimming pools, shall be amended as follows:

4.1 In Section 410.1, Dressing and sanitary facilities, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

5. Amendments to Chapter 6, Aquatic recreation facilities, shall be amended as follows:

5.1 In Section 601.1, Scope, the following sentence shall be added to the end of the paragraph, "For purposes of enforcement, Class D-2 and Class D-6 public pools shall be regulated by this chapter and [N.J.A.C. 5:23](#); all other Class D public pools shall be regulated by [N.J.A.C. 5:14A](#)."

5.2 In Section 609.1, General, "Section 609.2 through 609.9" shall be deleted and "the plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

5.3 Sections 609.2, Number of fixtures, 609.3, Showers, 609.4, Soap dispensers, 606.5, Toilet tissue holder, 609.6, Lavatory mirror, 606.7, Sanitary napkin receptacles, 609.8, Sanitary napkin dispensers, and 609.9, Infant Care, shall be deleted.

**v. Section 3111.2, Solar thermal systems, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.**

**vi. Section 3113, Relocatable buildings, is deleted.**

23. Chapter 32, Encroachments into the Public Right[s] of Way, shall be amended as follows:

i.-iii. (No change.)

24. Chapter 33, Safeguards During Construction, shall be amended as follows:

i.-iv. (No change.)

**v. In Section 3314, Fire watch during construction, the term "fire code official" shall be replaced with the term "fire official".**

25. Chapter 35, Referenced Standards, shall be amended as follows:

[i. Under the subheading "ACI 318-08," "Section 1708.3" shall be deleted.

ii. Under the subheading "AISC 341-05," "Section 1708.3" shall be deleted.

iii. Under the heading "ICC," insert "ISPSC-15, International Swimming Pool and Spa Code 3109.1".]

**i. Under the heading ASME, add the following note:**

**Note: Those sections of ANSI A17.1/CSA B44 that are noted as applicable in Canada are not included as part of the referenced document.**

26. The Appendices shall be amended as follows:

i. Appendix A, Employee Qualifications; Appendix B, Board of Appeals; Appendix C, Group U-Agricultural Buildings; Appendix D, Fire Districts; Appendix E, Supplementary Accessibility Requirements; Appendix F, [Rodent Proofing] **Rodentproofing**; and Appendix G, Flood-Resistant Construction, shall be deleted in their entirety.

ii. (No change.)

iii. Appendix I, Patio Covers, Appendix J, Grading, Appendix K, Administrative Provisions, Appendix L, Earthquake Recording Instrumentation, [and] Appendix M, Tsumani-Generated Flood Hazard, **and Appendix N, Replicable Buildings**, shall be deleted in their entirety.

5:23-3.15 Plumbing subcode

(a) Rules concerning the plumbing subcode adopted are as follows:

1. Pursuant to **the** authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the Model Code of the Plumbing Heating-Cooling Contractors--National Association, known as "The National Standard Plumbing [Code/2015] **Code/2018**," as the plumbing subcode for New Jersey.

i. Copies of this code may be obtained from the sponsor at: [PHCC-NA, 180 S. Washington St., Suite 100, Falls Church, VA 22046.] **New Jersey PHCC, 189 East Bergen Place, Red Bank, NJ 07701.**

2. "The National Standard Plumbing [Code/2015] **Code/2018**," including appendices, may be known and cited as "the plumbing subcode."

i. [Illustrations and comments] **Comments and illustrations** contained in this code are [presented in bold italics or] denoted with a border and are supplemental information and not part of this subcode. **The note "Comments are presented with a shaded background similar to this note and are intended as supplemental information" shall be deleted in its entirety.**

(b) The following pages, chapters, sections, or appendices of the plumbing subcode shall be amended as follows:

1.-2. (No change.)

3. Chapter 2 of the plumbing subcode, entitled "General Regulations," shall be amended as follows:

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- i. (No change.)
- ii. In Section 2.9.3, From Weakened Structure, delete "[Building Code] **building code**" and insert "building subcode."
- iii. In Section 2.11, Piping [materials exposed within plenums] **Materials Exposed Within Plenums**, "Codes" shall be deleted and "subcodes" shall be inserted.
- iv. (No change.)
- v. In Section 2.16, Freezing or [overheating] **Overheating**, at [item] **Item 1**, "42" shall be inserted in the blank space provided. Additionally, the following shall be inserted: "Combination domestic/fire water service piping shall be installed such that the minimum earth cover is 42 inches or the top of the pipe is 12 inches below the frost depth of the locality, whichever is greater. Limited-area sprinkler systems installed in accordance with Section 903.3.8 of the building subcode, shall be installed such that the minimum earth cover is 42 inches." In the same section, at Item 2, "24" shall be inserted in the blank space provided. In addition, in the third line of Item 2, "6" shall be inserted in the blank space provided.
- vi.-viii. (No change.)
- ix. Section 2.24, Toilet [facilities for construction workers] **Facilities for Construction Workers**, shall be deleted in its entirety.
- x. Section 2.26.1, General, shall be amended as follows:
  - (1) Subsection [b] **b.** shall be deleted.
  - (2) (No change.)
- xi. Section 2.26.2, Where Elevator Pit Drainage is Provided, shall be amended as follows:
  - (1) (No change.)
  - (2) Subsection [c] **c.** shall be deleted.
  - (3)-(4) (No change.)
4. Chapter 3 of the plumbing subcode, entitled "Materials," shall be amended as follows:
  - i.-ii. (No change.)
  - iii. In Section 3.1.3, Standards [applicable to plumbing materials] **Applicable to Plumbing Materials**, "Section 3.12.2" shall be deleted and "[N.J.A.C. 5:23-3.7](#)" shall be inserted.
  - iv. In Table 3.1.3, Approved Materials, Part XI, Installation Procedures and Practices, insert: "11. **Suction Entrapment Avoidance** [for] **in** Swimming Pools, **Wading Pools**, Spas, [and] Hot Tubs, **and Catch Basins**: [APSP-7-2013] **ANSI/APSN/ICC-7-2018.**"
  - v. Section 3.3.11 entitled "**Septic Tanks**" is deleted in its entirety.
  - vi. (No change.)
  - vii. Section 3.12, Alternate [materials] **Materials** and [methods] **Methods**, shall be deleted in its entirety.
5. (No change.)
6. Chapter 6 of the plumbing subcode, entitled "Liquid Waste Treatment Equipment," shall be amended as follows:

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i. At the end of Section 6.1.1, Where [required] **Required**, the following shall be inserted: "The determination of necessity shall be made by the plumbing subcode official in accordance with [N.J.A.C. 5:23-3.3](#)."

ii. In Section 6.1.4.1, General, "[by] **and** the Authority Having Jurisdiction" shall be deleted.

[page=301] iii. Section 6.4.4, Alternate Design, is amended to add the phrase "in accordance with [N.J.A.C. 5:23-3.3](#)" after the word "approval" on line [2] 4.

7. Chapter 7 of the plumbing subcode, entitled "Plumbing Fixtures, Fixture Fittings and Plumbing Appliances," shall be amended as follows:

i. Section 7.2, Fixtures For Accessible Use, **subsection a.** shall be deleted and the following shall be inserted: "Plumbing fixtures for accessible use and their installation shall conform to the requirements of Chapter 11 of the building subcode ([N.J.A.C. 5:23-3.14](#))."

ii.-iv. (No change.)

v. **Section 7.5.3, Surrounding Surfaces, is amended to delete the following after "surface," "extending not less than four feet above the floor. One foot to each side of the urinal, and one foot in front of the lip of the urinal. See Figure 7.5.3.," and insert, "Refer to the International Building Code, Section 1209.2.2." This section is amended to delete Figure 7.5.3, "Protecting Surrounding Surfaces of Urinals."**

vi. **In Section 7.11.4, Service Sinks and Mop Receptors, b. is amended to delete the following after "surface," "at least one foot in front of the sink or receptor, at least one foot on each side, and up to a point one foot above the faucet height," and insert, "refer to the International Building Code, Section 1209.2.2."**

vii. **In Section 7.21.2, Occupant Load, b. "building code" shall be deleted and "building subcode" shall be inserted.**

[v.] viii. (No change in text.)

[vi.] ix. Section 7.23, Safety [features for spas and hot tubs] **Features for Spas and Hot Tubs**, shall be deleted and Section 7.23, Safety [features for swimming pools, spas and hot tubs] **Features for Spas and Hot Tubs**, shall be inserted as follows:

"7.23 Safety Features for Swimming Pools, Spas, and Hot Tubs.

7.23.1, **Suction** Entrapment [avoidance] **Avoidance**. Suction outlets shall be designed and installed in accordance with [ANSI/APSP] **ANSI/APSP/ICC-7.**"

8. Chapter 8 of the plumbing subcode, entitled "Hangers and Supports," shall be amended as follows:

i. In Section 8.9, Seismic [supports] **Supports** for [piping] **Piping**, "code" shall be deleted and "subcode" shall be inserted.

9. Chapter 10 of the plumbing subcode, entitled "Water Supply and Distributions," shall be amended as follows:

i. In Section 10.4.2, Interconnections, delete "with the approval of the Authority Having Jurisdiction" and insert "in accordance with the rules of the New Jersey Department of Environmental Protection at N.J.A.C. 7:10-10."

ii. (No change.)

iii. In Section 10.4.4b, Private [supplies] **Supplies**, "in accordance with [N.J.A.C. 7:10-10.2\(e\)](#)" shall be inserted after "Authority Having Jurisdiction."

iv. (No change.)

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v. Section 10.5.9a, Protection from Fire Systems, Exception (4) shall be deleted and the following inserted: "(4) Where fire protection systems supplied from a potable water system include a fire department connection which is located less than 1,700 feet from a non-potable water source, the water supply shall be protected by one of the following:

(i) Reduced pressure backflow preventer assembly; or

(ii) Reduced pressure detector assembly."

vi. In Section 10.8.1, Water Pressure Booster Systems Required, "and in accordance with good practice" in the [third and fourth] **fifth and sixth** lines shall be deleted.

vii. In Section 10.15.1, Hot [water supply system] **Water Supply System**, "Outlet temperature of hot water from lavatory faucets in public use facility restrooms or public toilet rooms shall be provided with a means to limit the maximum temperature to 110 degrees F." shall be inserted after the first sentence.

viii. In Section 10.20, NFPA 13D Multipurpose Residential Fire Sprinkler Systems, shall be deleted and new section 10.20, Dwelling [unit fire sprinkler systems] **Unit Fire Sprinkler Systems**, shall be inserted, as follows: Section P2904, Dwelling [unit fire sprinkler systems] **Unit Fire Sprinkler Systems**, of the one- and two-family dwelling subcode shall be considered part of the plumbing subcode.

10. (No change.)

11. Chapter 13 of the plumbing subcode, entitled "Storm Water Drainage," shall be amended as follows:

i. In Section 13.1.5, Foundation [drains] **Drains**, Notes a. through d. shall be deleted and the following shall be inserted: "a. Foundation drains shall be provided in accordance with the building subcode."

ii. Section 13.1.10.1, Primary [roof drainage] **Roof Drainage**, shall be amended to delete the last sentence and to substitute in lieu thereof "Rainfall rates shall be applied so that the applicable rainfall rate for Burlington and Ocean counties and all counties south shall be six inches per hour and for Mercer and Monmouth counties and all counties north, the applicable rainfall rate shall be five inches per hour."

iii. Section 13.1.10.2, "Secondary Roof Drainage," [is] **shall be deleted[.] and the following shall be inserted:**

#### **Section 13.1.10.2 Overflow Roof Drainage**

**Where parapet walls extend or other construction extends above the roof, creating areas where storm water would become trapped if the primary roof drainage system failed to provide sufficient drainage, an overflow roof drainage system consisting of suppers, standpipes, or roof drains shall be provided. The capacity of the primary system shall not be considered in the sizing of the overflow system.**

**(1) Subsection b. shall be deleted and the following shall be inserted: "Where overflow drainage is provided by means of roof drains or standpipe, the overflow system shall be permitted to connect to the primary roof drainage system."**

**(2) Subsection c. "secondary" shall be deleted and "overflow" shall be inserted.**

**(3) Subsection d. shall be amended as follows: Add Table A.5 after Appendix A. and delete the second and third sentences.**

**iv. In Section 13.8, Sizing for Continuous or Intermittent Flows, "Section A-3 and Table A-1 in Appendix A" shall be deleted and the following shall be inserted: "5 IN/HR = 0.052 GPM/SF and 6 IN/HR = 0.062 GPM/SF."**

12. (No change.)

13. Chapter 16 of the plumbing subcode, entitled "Regulations Governing Individual Sewage Disposal Systems for Homes and Other Establishments Where Public Sewer Systems Are Not Available," shall be deleted and the following shall be inserted:

i. (No change.)

ii. "[16.2] **16.1.7 Abandoned [disposal systems] Disposal Systems.** When an existing building is being demolished and the existing sewage disposal system is abandoned or an existing sewage disposal system is being abandoned and a connection is being made to the public sewer [disposal system or new sewage disposal] systems, the plumbing subcode official shall ensure that the existing abandoned tank is disconnected from the building, pumped out, and filled with gravel, stones, or soil material. **Sewage disposal systems that are abandoned without an associated hookup to a public sewer system are to be inspected by the health department having jurisdiction.**"

14. (No change.)

[15. Chapter 18 of the plumbing subcode, entitled "Mobile Home and Travel Trailer Park Plumbing Requirements," shall be amended as follows:

i. In Section 18.2.1, General, the last sentence shall be deleted.

ii. New Section 18.2.1.1, Permanently Installed Manufactured Homes, shall be inserted as follows: This chapter is not applicable to permanently installed manufactured homes meeting the Federal Manufactured Home Construction and Safety Standards, 24 C.F.R. Part 3280.

iii. New Section 18.2.1.2, Approved Structures, shall be inserted as follows: An approved structure placed on a site for use as a permanent dwelling shall meet the applicable requirements of this subcode, excluding Chapter 18.

iv. Section 18.2.2, Plans and Specifications, is amended to delete the words "or sewerage disposal facilities" in the first sentence.

v. Section 18.8.1.2, Independent Trailer, is deleted.

vi. Section 18.8.3, Showers, is amended to add the phrase "for dependent trailers" after the word "park" on line 1.

vii. Section 18.8.4, Laundry Facilities, is amended to add the phrase "for dependent trailers" after the word "park" on line 1.

viii. Section 18.9, Maintenance, is deleted.

[page=302] ix. Section 18.10, Operator's Responsibility-Violations, is deleted.]

[16.] **15.** Chapter [19] **18** of the plumbing subcode, entitled Referenced Standards, shall be amended as follows:

i. In Section [19.2] **18.2**, Standards Organizations, insert the following: "APSP--The Association of Pool and Spa Professionals, 2110 Eisenhower Avenue, Alexandria, VA 22314, tel: 703-838-0083, fax: 703-549-0493[.]," **and "International Code Council, Inc., 500 New Jersey Avenue, NW, 6th Floor, Washington D.C. 20001, tel: 888-422-7233."**

Recodify existing 17.-19. as **16.-18.** (No change in text.)

**(c) A newly installed automatic lawn sprinkler system, where such systems are not prohibited by local ordinance, shall be equipped with an automatic rain sensor device or switch that will override the irrigation cycle of the automatic lawn sprinkler system when rainfall of more than one-half inch has occurred.**

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(a) Rules concerning the electrical subcode adopted are as follows:

1. Pursuant to the authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the model code of the National Fire Protection Association, known as "The National Electrical Code [2014] **2017**" as the electrical subcode for New Jersey.

i. Copies of this code may be obtained from the sponsors at NFPA, One Batterymarch Park, Quincy, Massachusetts [02269] **02169**.

2. The National Electrical Code [2014] **2017** may be known and cited as "the electrical subcode."

i. Codes and standards referenced in the Informational Notes of the electrical subcode (NEC [2014] **2017**) shall be considered adopted by reference to the extent prescribed by each related section. These codes and standards also are printed in DCA Bulletin # 15-2, which contains a list of adopted codes and standards that are applicable to the enforcement of the electrical subcode.

3. The Commissioner hereby adopts the National Electrical Safety Code (ANSI [C2-2012] **C2-2017**) for the installation of area lighting facilities by an electric utility on private property on metal poles with an underground electric feed.

i. (No change.)

(b) The following chapters or articles of the electrical subcode are amended as follows:

1.-2. (No change.)

3. Chapter 2 of the electrical subcode, entitled "Wiring and Protection," is amended as follows:

i. (No change.)

[ii. Section 210.8(A)10, Dwelling Units (Ground-fault Circuit-Interrupter Protection for Personnel) shall be deleted.

iii. In Section 210.12(A), entitled "Arc-Fault Circuit-Interrupter Protection. Dwelling Units," "kitchens" and "laundry areas" shall be deleted.]

[iv.] ii. Section [210.12(B)] **210.12(D)**, entitled "Branch Circuit Extensions or Modifications - Dwelling Units," is deleted in its entirety.

4. (No change.)

5. Chapter 4 of the electrical subcode, entitled "Equipment for General Use" is amended as follows:

i. (No change.)

**ii. Article 425, entitled "Fixed Resistance and Electrode Industrial Process Heating Equipment," is amended as follows:**

**(1) Section 425.6, entitled "Listed Equipment," is deleted.**

**(2) Section 425.8, entitled "General," including subsections (A)-(C) are deleted.**

**(3) Section 425.9, entitled "Approval," is deleted.**

**(4) Section 425.10, entitled "Special Permission," is deleted.**

**(5) Section 425.12, entitled "Locations," including subsections (A) and (B) are deleted.**

**(6) Section 425.13, entitled "Spacing from Combustible Material," is deleted.**

(7) Section 425.14, entitled "Infrared Lamp Industrial Process Heating Equipment," is deleted.

(8) Section 425.22(B), entitled "Resistance Elements," is deleted.

(9) Section 425.22(C), entitled "Overcurrent Devices," is deleted.

(10) Section 425.29, entitled "Heating Elements," is deleted.

(11) Section 425.45, entitled "Concealed Fixed Industrial Heating Equipment," is deleted.

(12) Sections 425.57 through 425.64 are deleted.

(13) Section 425.71, entitled "Identification," is deleted.

(14) Subsections (A)-(E) of Section 425.72 are deleted.

(15) Section 425.81, entitled "Identification," is deleted.

(16) Section 425.83, entitled "Overtemperature Limit Control," is deleted.

(17) Section 425.84, entitled "Overpressure Limit Control," is deleted.

6. Chapter 5 of the electrical subcode, entitled "Special Occupancies," is amended as follows:

[i. Sections 514.11(B) and 514.11(C) are amended to delete the phrase "authority having jurisdiction" and substitute in lieu thereof the phrase "fire protection subcode official."]

**i. Section 514.3(B)(3), with the exception of subsection (e), is deleted.**

ii.-v. (No change.)

7. Chapter 6 of the electrical subcode, entitled "Special Equipment," is amended as follows:

i. In Section 620.1, Scope, Informational Note No. 1 shall have "ASME [A17.1-2010/CSA B44-10] **A17.1-2013/CSA B44-13**" deleted and "ASME [A17.1-2013/CSA B44-13] **A17.1-2016/CSA B44-16**" shall be inserted in its place;

ii. In Section 620.23(C), Duplex Receptacle, the Informational Note shall [shall] have "ASME [A17.1-2010/CSA B44-10] **A17.1-2013/CSA B44-13**" deleted and "ASME [A17.1-2013/CSA B44-13] **A17.1-2016/CSA B44-16**" shall be inserted in its place;

iii. In Section 620.24(C), Duplex Receptacle, the Informational Note shall have "[A17.1-2010/CSA B44-10] **A17.1-2013/CSA B44-13**" deleted and "ASME [A17.1-2013/CSA B44-13] **A17.1-2016/CSA B44-16**" shall be inserted in its place;

iv. In Section 620.51(A), Type, the Informational Note shall have "[A17.1-2010/CSA B44-10] **A17.1-2013/CSA B44-13**" deleted and "ASME [A17.1-2013/CSA B44-13] **A17.1-2016/CSA B44-16**" shall be inserted in its place;

v. In Section 620.91, Emergency and Standby Power Systems, the Informational Note shall have "[A17.1-2010/CSA B44-10] **A17.1-2013/CSA B44-13**" deleted and "ASME [A17.1-2013/CSA B44-13] **A17.1-2016/CSA B44-16**" shall be inserted in its place;

vi. In Section 680.25(A)(1), Feeders (Wiring Methods), [the exception shall be deleted. The] **the** following exception, from Section 680.25(A)(1) of the NEC/2011, shall be inserted:

"Exception: An existing feeder between an existing remote panelboard and service equipment shall be permitted to run in flexible metal conduit or an approved cable assembly that includes an equipment grounding conductor within its outer sheath. The equipment grounding conductor shall comply with 250.24(A)(5)."

vii. (No change.)

8.-9. (No change.)

[(c) A newly installed automatic lawn sprinkler system, where such systems are not prohibited by local ordinance, shall be equipped with an automatic rain sensor device or switch that will override the irrigation cycle of the automatic lawn sprinkler system when rainfall of more than one-half inch has occurred.]

#### 5:23-3.17 Fire protection subcode

(a) Rules concerning the fire protection subcode adopted are as follows:

1. Pursuant to the authority of P.L. 1975, c. 217 as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the following portions of the building, electrical, mechanical, [and] fuel gas, **and one- and two-family dwelling** subcodes, to the extent delineated in [N.J.A.C. 5:23-3.4](#), as the fire protection subcode for New Jersey.

i.-iv. (No change.)

**v. International Residential Code of the International Code Council, Inc. adopted as amended at [N.J.A.C. 5:23-3.21](#) as the One- and Two- Family Dwelling Subcode. Chapters 3, 10, 13, 14, 15, 16, 18, 22, 23, 24, and 29.**

[page=303] **(1) Sections R300, R302, R309.5, R310 through R316, R319 and R325 of Chapter 3--Building Planning;**

**(2) Sections R1001 through R1006 of Chapter 10--Chimneys and Fireplaces;**

**(3) Sections M1303, M1304, M1306, and M1307 of Chapter 13--General Mechanical System Requirements;**

**(4) Sections M1408 through M1410, M1414, and M1415 of Chapter 14--Heating and Cooling Equipment and Appliances;**

**(5) Sections M1501 through M1506 of Chapter 15--Exhaust Systems;**

**(6) Sections M1601.1.1 and M1601.2 through M1601.6 of Chapter 16--Duct Systems;**

**(7) Sections M1801 through M1805 of Chapter 18--Chimneys and Vents;**

**(8) Sections M1901, M1903, and M1904 of Chapter 19--Special Appliances, Equipment and Systems;**

**(9) Section M2201 of Chapter 22--Special Piping and Storage Systems;**

**(10) Section M2301.4 of Chapter 23--Solar Thermal Energy Systems;**

**(11) Sections G2404.3, G2408, G2409, G2425.1 through G2425.3, G2427.5.1 through G2427.5.3, G2427.5.6, G2427.5.8, G2427.6 through G2427.8, G2427.10.5, G2427.10.12, and G2427.10.13 of Chapter 24--Fuel Gas; and**

**(12) Sections P2904.1, P2904.2.2, P2904.2.4, P2904.2.6, P2904.3.4, P2904.5 through P2904.7, P2904.8.1 #1-6, and P2904.8.2 #1-3 of Chapter 29--Water supply and Distribution.**

2. (No change.)

#### 5:23-3.18 Energy Subcode

(a) Rules concerning the energy subcode adopted are as follows:

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1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, c. 53, the Commissioner hereby adopts the model code of the International Code Council, known as the International Energy Conservation [Code/2015 (IECC/2015)] **Code/2018 (IECC/2018)**, as the energy subcode for New Jersey.

i.-ii. (No change.)

(b) The following chapters and sections of the commercial provisions of the energy subcode are amended as follows:

1. Chapter 1, Scope and Administration, shall be amended as follows:

i. (No change.)

ii. [Section C101.4, Applicability, shall be deleted except for Subsection C101.4.1, Mixed Occupancy. In addition, Section C101.4.1, Mixed Occupancy, and] **Section C101.4.1, Mixed residential and commercial buildings, and** Section C101.5, Compliance, shall have "by means of the ASHRAE Standard [90.1-2013] **90.1**" inserted after "IECC--Commercial Provisions."

iii. Sections C103, Construction Documents, C104, **Fees, C105**, Inspections, and [C105] **C106**, Validity, [shall be deleted. iv.] Section [C106.3] **C107.3**, Other laws, [shall be deleted. v. Sections C107, Fees,] C108, Stop Work Order, and C109, Board of Appeals, shall be deleted.

2. Chapter 2, Definitions, shall be deleted, **except that a new definition of "IECC-Commercial Provisions" shall be inserted and defined as meeting the requirements of the ASHRAE Standard 90.1 referenced by Chapter 6 of commercial provisions of this code.**

3. (No change.)

4. Chapter 4, Commercial Energy Efficiency, shall be amended as follows:

i. At Section C401.1, Scope, the text shall be deleted and replaced with the following: "The requirements contained in this chapter shall be applicable to commercial buildings, or portions thereof. These commercial buildings shall meet the [ASHRAE/IESNA] **ASHRAE** Standard [90.1/2013] **90.1**, Energy Standard for Buildings Except for Low-Rise Residential Buildings."

ii. Section C401.2, Application, shall be deleted and replaced with C401.2 Amendments. The following amendments shall apply to ASHRAE [90.1/2013] **90.1**:

1. Chapter 8, Power, shall be considered optional.

iii. Section C401.2.1, Application to [existing buildings] **replacement fenestration products**, Section C402, Building Envelope Requirements, Section C403, Building Mechanical Systems, Section C404, Service Water Heating (Mandatory), Section C405, Electrical Power and Lighting Systems, Section C406, Additional Efficiency Package Options, C407, Total Building Performance, and C408, **Maintenance Information and** System Commissioning, shall be deleted in their entirety.

5. (No change.)

6. Chapter 6, Referenced Standards, shall be amended as follows:

i. In the ICC table, "[IPC-15] **IPC-18**, International Plumbing Code" shall be deleted and "[NSPC-09] **NSPC-18**, National Standard Plumbing Code" shall be inserted. In addition, at the bottom of the ICC table, "\*\*\* [NSPC-09] **NSPC-18** is non-ICC and is published by the National Association of Plumbing-Heating-Cooling Contractors" shall be inserted.

**7. Appendix CA, Solar-Ready Zone--Commercial, is deleted.**

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(c) The following chapters and sections of the residential provisions of the energy subcode are amended as follows:

1. Chapter 1, Scope and Administration, shall be amended as follows:

i. (No change.)

[ii. Section R101.4, Applicability, shall be deleted except for Subsection R101.4.6, Mixed Occupancy.]

**ii. Section R101.4.1, Mixed residential and commercial buildings, and Section R101.5, Compliance, shall have "by means of the ASHRAE Standard 90.1" inserted after "IECC--Commercial Provisions."**

iii. Sections R103, Construction Documents, R104, **Fees, R105**, Inspections, and [R105] **R106**, Validity, [shall be deleted. iv.] Section [R106.3] **R107.3**, Other laws, [shall be deleted. v. Sections R107, Fees,] R108, Stop Work Order, and R109, Board of Appeals, shall be deleted.

2. Chapter 2, Definitions, shall be amended as follows:

i.-ii. (No change.)

iii. The definition of "Approved" shall be deleted and the following shall be inserted: "Approved refers to approval by the [building] **appropriate** subcode official or other authority having jurisdiction in accordance with the regulations."

iv.-viii. (No change.)

**ix. New definition of "IECC-Commercial Provisions" shall be inserted and defined as meeting the requirements of the ASHRAE Standard 90.1 referenced by Chapter 6 of commercial provisions of this code.**

3. (No change.)

4. Chapter 4, Residential Energy Efficiency, shall be amended as follows:

i.-iii. (No change.)

iv. In Section R403.8, Systems serving multiple dwelling units (Mandatory), delete "Sections C403 and C404 of the IECC--Commercial Provisions" and replace with "Chapters 6 and 7 of the ASHRAE Standard [90.1-2013] **90.1**".

5. (No change.)

6. Chapter 6, Referenced Standards, shall be amended as follows:

i. In the ICC table, "[IPC-15] **IPC-18**, International Plumbing Code" shall be deleted and "[NSPC-09] **NSPC-18**, National Standard Plumbing Code" shall be inserted. In addition, at the bottom of the ICC table, "\*\*\* [NSPC-09] **NSPC-18** is non-ICC and is published by the National Association of Plumbing-Heating-Cooling Contractors" shall be inserted.

7. Appendix RA, [Recommended Procedure for Worst-Case Testing of Atmospheric Venting Systems Under R402.4 or R405 Conditions  $\leq$  5ACH[50], is informative and is not part of the code and Appendix RB,] Solar-Ready Provisions--Detached One- and Two-Family Dwellings, Multiple Single- Family Dwellings (Townhouses), is deleted.

5:23-3.20 Mechanical subcode

(a) Rules concerning the mechanical subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, the Commissioner hereby adopts the model code of the International Code Council, Inc., known as the International Mechanical [Code/2015] **Code/2018**. This code is hereby adopted by reference as the Mechanical Subcode for the State of New Jersey subject to the modifications in (b) below.

i. (No change.)

ii. The International Mechanical [Code/2015] **Code/2018** may be known and cited as the "mechanical subcode."

2.-3. (No change.)

[page=304] (b) The following chapters, sections or pages of the International Mechanical [Code/2015] **Code/2018** shall be amended as follows:

1. (No change.)

2. Chapter 2 of the mechanical subcode, entitled "Definitions," is amended as follows:

i.-ii. (No change.)

iii. The definition of the term "approved" is deleted and the following shall be inserted: "Approved refers to approval by the [building] **appropriate** subcode official or other authority having jurisdiction in accordance with the regulations."

iv.-vii. (No change.)

3.-14. (No change)

5:23-3.21 One- and two-family dwelling subcode

(a) Rules concerning the one- and two-family dwelling subcode are adopted as follows:

1. Pursuant to authority of P.L. 1975, c. 217, as modified by P.L. 1996, [c.53] **c. 53**, the Commissioner hereby adopts the model code of the International Code Council, [2015] **2018** International Residential Code known as the "[IRC/2015] **IRC/2018**" as the one-and two-family dwelling subcode in New Jersey subject to the modifications stated in (c) below.

i. (No change.)

ii. The [IRC/2015] **IRC/2018** may be known and cited as the one-and two-family dwelling subcode.

(b) (No change.)

(c) The following chapters or sections of the [IRC/2015] **IRC/2018** shall be modified as follows:

1. Chapter 1, Scope and Administration, shall be deleted in its entirety and "**See the administrative provisions of [N.J.A.C. 5:23](#).**" shall be inserted. In addition, any referenced section of Chapter 1 shall be deleted throughout the code and "the administrative provisions of the Uniform Construction Code ([N.J.A.C. 5:23](#))" shall be inserted.

2. Chapter 2, Definitions, shall be amended as follows:

i.-ii. (No change.)

iii. The definition of "Approved" shall be deleted and the following shall be inserted: "Approved refers to approval by the [building] **appropriate** subcode official or other authority having jurisdiction in accordance with the regulations."

iv.-viii. (No change.)

ix. The definitions of "Building Official" and "**Change of Occupancy**" shall be deleted.

x.-xxiii. (No change.)

3. Chapter 3, Building Planning, shall be amended as follows:

i. Add new Section R300 as follows:

"R300 Height and Area Limitations

**R300.1 General.** Buildings of VB, unprotected wood framed construction, as that term is defined in Section 602 of the building subcode, shall be not more than two stories, not more than 35 feet in height, and not more than 4,800 square feet in area per floor. For the purpose of applying this [section] **subsection**, a habitable attic shall not constitute a story **in a two-story dwelling**.

[R300.1] **R300.2** Increases in [Height] **height**. The building shall be not more than three stories and not more than 55 feet in height where the building is equipped throughout with an automatic sprinkler system installed in accordance with the National Fire Protection Association (NFPA) Standard 13D or Section P2904.

[R300.2] **R300.3** Increases in area. The area of a building may be increased as provided in Sections [R300.2.1] **R300.3.1** and Section [R300.2.2] **R300.3.2** below.

[R300.2.1] **R300.3.1 Automatic sprinkler system.** The area limitation shall be unlimited where a building is equipped throughout with an automatic sprinkler system installed in accordance with NFPA Standard 13D or Section P2904.

[R300.2.2] **R300.3.2 Frontage.** The area limitation shall be permitted to be increased two percent for each one percent of excess frontage where a building has more than 25 percent of the building perimeter fronting on a street or other unoccupied space. The unoccupied space shall be on the same lot or dedicated for public use, shall be not less than 30 feet in width, and shall have access from a street by a posted fire lane that is not less than 18 feet in width.

[R300.3] **R300.4** Buildings of VA construction. Buildings of VA, protected wood framed construction, as that term is defined in Section 602 of the building subcode, shall be not more than three stories, not more than 40 feet in height, and not more than 10,200 square feet in area per floor.

[R300.3.1] **R300.4.1 Increases in height.** Buildings of VA construction greater than three stories in height shall be designed and constructed in accordance with the building subcode.

[R300.3.2] **R300.4.2 Increases in Area.** Buildings of VA construction shall be permitted to be increased in area in accordance with [R300.2] **R300.3**.

[R300.4] **R300.5** Buildings of other types of construction[:]. The height and area limits allowable for buildings of construction type VA shall apply to other construction types, as they are defined in Section 602 of the building subcode, provided that the fire ratings of building elements meet or exceed the requirements for type VA in Tables 601 and 602 of the building subcode."

ii. Table R301.2(1), Climatic and Geographic Design Criteria, shall be amended as follows:

[

Table R301.2(1)

CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Ground					
Snow	Wind	Seismic	Subject to		Subject to
Load (lbs.	Speed	Design	Damage From	Frost Line	Damage
/sq. ft.)	(mph)	Category	Weathering	Depth	Termite
-----	----	-----	-----	-----	-----

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20	See Fig.	N/A	Severe	2 feet-6	Moderate to
See note 4	R301.2(4)A		See note 1	inches	Heavy
				(Southern Area)	
				3 feet-	
				0 inches	
				(Northern Area)	
				See	
				notes 2, 3	
				and 4	

## Notes:

1. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy structural requirements of this code. The grade of masonry units shall be determined from the ASTM C34, C55, C62, C73, C90, C129, C145, C216, or C625 listed in Chapter 43.

2. The frost line depth may require deeper footings than indicated in Section R403.1.4. The jurisdiction shall fill in the frost line depth column with minimum depth of footing below finished grade.

3. New Jersey is divided into two zones: Zone 1 consists of Monmouth and Burlington Counties and all counties to the south. Zone 2 consists of Mercer and Middlesex Counties and all counties to the north.

4. The enforcing agency having jurisdiction may establish values other than the ones listed for "ground snow load," and "frost line depth" if warranted by documented local climatic and geographic conditions.]"

[page=305] 1. Under the heading of "Ground Snow Load," insert "see Bulletin 94-8";

2. Under the heading of "Wind Design--Speed," insert "see Bulletin 03-4";

3. Under the heading of "Wind Design--Topographic effects," insert "N/A" for Not Applicable;

4. Under the heading of "Wind Design--Special wind region," insert "N/A" for Not Applicable;

5. Under the heading of "Wind Design--Windborne debris region," insert "N/A" for Not Applicable;

6. Under the heading of "Seismic Design Category," insert "N/A" for Not Applicable;

7. Under the heading of "Subject to damage from - Weathering," insert "Severe";

8. Under the heading of "Subject to damage from - Frost line depth," insert "2'8" SNJ; 3'0" NNJ";

9. Under the heading of "Subject to damage from - Termite," insert "Moderate to Heavy";

10. Under the heading of "Winter Design Temp," insert "13 degrees F";

11. Under the heading of "Ice Barrier Underlayment Required," insert "see Bulletin 07-3";

12. Under the heading of "Flood Hazards," insert "LFPA" for local floodplain administrator;

13. Under the heading of "Air Freezing Index," insert "1500 or less";

14. Under the heading of "Mean Annual Temp;" insert "see Note j";

15. After the title "Manual J Design Criteria," insert "(see Table 1a from ACCA Manual J; fill in criteria from the closest municipality)";

16. At the beginning of Note b, insert "New Jersey is divided into two zones: SNJ consists of Monmouth and Burlington Counties and all counties to the south; NNJ consists of Mercer and Middlesex Counties and all counties to the north.";

17. At the beginning of Note g, insert "See the local floodplain administrator (LFPA)."

iii. Section R301.2.1.5, Topographic wind effects, shall be deleted, **along with its subsections, tables and figures**. [In addition, Table R301.2.1.5.1 and Figures R301.2.1.5.1(1), (2), and (3) shall be deleted.]

iv. Section R301.2.2, Seismic provisions, shall be deleted [in its entirety], **along with its subsections, tables, and figures** and the following shall be inserted: "Detached one- and two-family dwellings and attached single-family townhouses are exempt from the seismic requirements of this code."

v. **Section R301.2.4, Floodplain Construction, "repair" shall be deleted and "restoration" shall be inserted.** **Also**, Section R301.2.4.1, Alternative provisions, shall be deleted in its entirety.

vi.-vii. (No change.)

viii. In Section [R302.2, Townhouses] **R302.2.2, Common Walls**, in the fourth sentence, "Chapters 34 through 43" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.

ix. (No change.)

x. In Section R302.5.1, Opening protection, in the last sentence, ", equipped with a self-closing **or automatic-closing** device" shall be deleted.

xi.-xii. (No change.)

xiii. Section R303.7, Interior stairway illumination[, Section R303.7.1, Light activation,] and R303.8, Exterior stairway illumination, shall be deleted in their entirety.

xiv.-xvi. (No change.)

xvii. In Sections R310.2.3.2, Drainage, and [R310.3.2.1] **R310.3.2.2**, Drainage, "Section R405.1" shall be deleted in the body of the general text and again in the exception and "Section R406.1" shall be inserted for each deletion.

xviii. Sections **R310.2.5, Replacement windows**, R310.5, Dwelling additions, and R310.6, Alterations or repairs of existing basements, shall be deleted.

xix.-xxviii. (No change.)

[xxix. In Section R314.4, Interconnection, the exception shall be deleted.]

Recodify existing xxx.-xxxi. as **xxix.-xxx**. (No change in text.)

[xxxii.] **xxxi**. In Section R315.2, Where required, "and R315.2.2" shall be deleted. Also, Section R315.2.2, Alterations, repairs and additions, shall be deleted. **Lastly, exception 2 of Section R315.6, Power source, shall be deleted.**

Recodify existing xxxiii.-xxxv. as **xxxii.-xxxiv**. (No change in text.)

[xxxvi.] **xxxv**. In Section R322.1, General, ["as established by Table R301.2(1)"] **"repair"** shall be deleted **and "restoration" shall be inserted.**

Recodify existing xxxvii.-xli. as **xxxvi.- xl.** (No change in text.)

[xlii.] **xli.** In Section R322.3, Coastal high-hazard area (including V Zones **and Coastal A Zones, where designated**), "**Sections R322.3.1 through [R322.3.6] R322.3.10**" shall be deleted and "and ASCE 24" shall be inserted in its place. **Additionally, the subsections that follow the text of R322.3.1, Sections R322.3.1 through R322.3.10, shall be deleted.**

[xliii. In Section R322.3.1, Locations and site preparation, Item #1 shall be deleted and the Section R324.3.1 of the 2006 International Residential Code shall be inserted as follows: "1. Buildings and structures shall be located landward of the reach of mean high tide."

xliv. Section R322.3.2, Elevation requirements, Section R322.3.3, Foundations, Section R322.3.4, Walls below design flood elevation, Section R322.3.5, Enclosed areas below design flood elevation, and Section R322.3.6, Construction documents, shall be deleted in their entirety.]

[xlv.] **xlii.** (No change in text.)

**xliii. In Section R325, Mezzanines, the second sentence of R325.1, General, shall be deleted and Section R325.6, Habitable attic, shall be deleted.**

[xlv.] **xliv.** In Section R326.1, General, "and enclosures" shall be inserted between "spas" and "shall." In addition, the following shall be added to the end of the section: "Amendments to the ISPC shall be as follows:

1. Chapter 1, Scope and Administration, shall be deleted in its entirety **and "See the administrative provisions of [N.J.A.C. 5:23.](#)" shall be inserted.** In addition, any referenced section of Chapter 1 shall be deleted throughout the code and "the administrative provisions of the Uniform Construction Code ([N.J.A.C. 5:23](#))" shall be inserted.

2. Chapter 2, Definitions, shall be amended as follows:

2.1 In Section [201.2] **201.3**, Terms defined in other codes, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

2.2 In Section 202, Definitions:

2.2.1 The definition of "alteration" shall be deleted.

2.2.2 The definition of "code official" shall be deleted and the following shall be inserted:

"Construction Official. A qualified person appointed by the municipal appointing authority or the commissioner pursuant to the act and the regulations to enforce and administer the regulations within the jurisdiction of the enforcing agency."

2.2.3 The definition of "existing pool or spa" shall be deleted.

2.2.4 The definition of "owner" shall be deleted and the following shall be inserted:

"Owner. The owner or owners in fee of the property of a lesser estate therein, a mortgagee or vendee in possession, an assignee of rents, receiver, executor, trustee, lessee or any other person, firm or corporation, directly or indirectly in control of a building, structure or real property and shall include any subdivision thereof of the State."

2.2.5 The definitions of "permit" and "repair" shall be deleted.

3. Chapter 3, General Compliance, shall be amended as follows:

3.1 In Section 302.1, Electrical, "or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted.

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3.2 In Section 302.2, Water service drainage, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.3 In Sections 302.5, Backflow prevention, and 302.6, Waste-water discharge, "International Plumbing Code or the International Residential [page=306] Code, as applicable in accordance with Section 102.7.1" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.4 Section 305, Barrier requirements, shall be amended as follows:

3.4.1 In Section 305.1, General, [Exception 2] **in the second sentence, "and swimming pools are equipped with a powered safety cover that complies with ASTM F1346"** shall be deleted. **Also in the second sentence, ", hot tubs or pools" shall be replaced with "or hot tubs."**

3.4.2 Section 305.4, Structure wall as a barrier, shall be deleted.

3.4.3 In Section 305.5, Onground residential pool structure as a barrier, in item 3, "capable of being secured, locked or removed to prevent access except where the ladder or steps are" shall be deleted.

3.5 In Section 306.1, General, "in accordance with Section [102.7.1] **102.7**" shall be deleted.

3.6 Sections 306.3, [Stair treads and risers] **Step risers and treads**, and 306.4, Deck steps handrail required, shall be deleted.

3.7 In Section 306.9.1, Hose bibbs, "International Plumbing Code or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.8 In Sections [307.2] **307.1.1**, Glazing in hazardous locations, [307.4] **307.2.2**, Materials and structural design, [307.8] **307.1.3**, Roofs or canopies, [and] 316.4, Installation, **and 316.6.1, Installation**, "in accordance with Section 102.7.1" shall be deleted.

3.9 In Section 307.9, Accessibility, the last sentence shall be deleted.

3.10 In Section 318.2, Protection of potable water supply, "International Residential Code or the International Plumbing Code or, as applicable in accordance with Section 102.7.1" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

3.11 In Section 321.4, Residential pool and deck illumination, "or the International Residential Code, as applicable in accordance with Section 102.7.1" shall be deleted.

4. Chapter 4, Public swimming pools, shall be amended as follows:

4.1 In Section 410.1, Dressing and sanitary facilities, "International Plumbing Code" shall be deleted and "plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

5. Amendments to Chapter 6, Aquatic recreation facilities, shall be amended as follows:

5.1 In Section 601.1, Scope, the following sentence shall be added to the end of the paragraph, "For purposes of enforcement, Class D-2 and Class D-6 public pools shall be regulated by this chapter and [N.J.A.C. 5:23](#); all other Class D public pools shall be regulated by [N.J.A.C. 5:14A](#)."

5.2 In Section 609.1, General, "Section 609.2 through 609.9" shall be deleted and "the plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

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5.3 Sections 609.2, Number of fixtures, 609.3, Showers, 609.4, Soap dispensers, 609.5, Toilet tissue holder, 609.6, Lavatory mirror, 609.7, Sanitary napkin receptacles, 609.8, Sanitary napkin dispensers, and 609.9, Infant Care, shall be deleted.

4. Chapter 4, Foundations, shall be amended as follows:

[i. In Section R401.1, Application, "as established by Table R301.2(1)" shall be deleted.]

Recodify existing ii.-iii. as **i.-ii.** (No change in text.)

[iv.] **iii.** In Section R403.1.4.1, Frost protection, the exceptions shall be deleted and the following shall be inserted:

Exception: Free standing buildings meeting all of the following conditions shall not be required to be protected:

1. Buildings and other structures that represent a low hazard to human life in the event of failure, including but not limited to, agricultural buildings, temporary buildings and minor storage facilities.
2. Area of 600 square feet (56 m<sup>2</sup>) or less for light framed construction, or 400 square feet (37 m<sup>2</sup>) or less for other than light-framed construction; and
3. Eave height of 10 feet (3048 mm) or less.

Recodify existing v. - vi. as **iv.-v.** (No change in text.)

[vii.] **vi.** In **Table R403.4, note C**; Table R404.1.1(1), Note B; Table R404.1.1(2), Note D; Table R404.1.1(3), Note D; Table R404.1.1(4), Note D; Table R404.1.2(2), Note A; Table R404.1.2(3), Note A; Table R404.1.2(4), Note A; Table R404.1.2(5), Note A; Table R404.1.2(6), Note A; Table R404.1.2(7), Note A; and Table R404.1.2(8), Note A, "Table R405.1" shall be deleted and "Table R406.1" shall be inserted.

Recodify existing viii.-x. as **vii.-ix.** (No change in text.)

[xi. In Section R408.7, Flood resistance, "as established by Table R301.2(1)" shall be deleted.]

5. Chapter 5, Floors, shall be amended as follows:

i.-iii. (No change.)

[iv. Section 507.2.4, Deck lateral load connection, shall be deleted in its entirety.]

6.-7. (No change.)

8. Chapter 9, Roof Assemblies, shall be amended as follows:

i. (No change.)

ii. In Section[s] R905.1.2 [and R905.16.4.1], Ice barrier, in the first sentence, delete "In areas where there has been a history of ice forming along the eaves causing a back-up of water as designated in table R301.2(1)", and "In areas where the average daily temperature in January is 25#[degrees]#F (-4#[degrees]#C) or less," shall be inserted.

9. (No change.)

10. Chapter 11, Energy Efficiency, shall be amended as follows:

i. (No change.)

ii. In Section N1101.6 (R202), Defined terms, the following definitions shall be deleted: Addition, Alteration, [Approved, Approved Agency,] Building, Historic Building, Repair, Reroofing, Residential Building, Roof Recover, Roof Repair, and Roof Replacement.

iii.-vi. (No change.)

vii. In Section N1103.8 (R403.8), Systems serving multiple dwelling units (Mandatory), delete "Sections C403 and C404 of the IECC--Commercial Provisions" and replace with "Chapters 6 and 7 of the ASHRAE Standard [90.1-2013] **90.1 referenced by the energy subcode ([N.J.A.C. 5:23-3.18](#))**".

viii. (No change.)

11. (No change.)

12. Chapter 13, General Mechanical System Requirements, shall be amended as follows:

i. In Section [M1305.1.3.1] **M1305.1.2.1**, Electrical requirements, "Chapter 39" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.

ii. In Section [M1305.1.4.3] **M1305.1.3.3**, Electrical requirements, "Chapter 39" shall be deleted and "the electrical subcode ([N.J.A.C. 5:23-3.16](#))" shall be inserted.

iii.-vi. (No change.)

13.-15. (No change.)

16. Chapter 21, Hydronic Piping, shall be amended as follows:

i.-ii. (No change.)

iii. In Section M2103.3, [Pipe joists] **Piping joints**, in Item #2, "Section P3003.6.1" shall be deleted and "the plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

iv. (No change.)

17.-18. (No change.)

19. Chapter 24, Fuel Gas, shall be amended as follows:

i. (No change.)

ii. Section G2403, entitled "General Definitions" shall be amended as follows:

(1) The definitions of "approved," "approved agency," "code," [and] "code official" **and "dwelling unit"** shall be deleted.

iii.-ix. (No change.)

x. In Section [G2413.6.1] **G2413.7.1**, [Liquefied petroleum gas systems] **Operation below -5°F (21°C)**, insert the following at the beginning of the section: "The operating pressure for undiluted LP-gas systems shall not exceed 20 psig (140 kPa gauge)."

xi.-xv. (No change.)

20. Chapters 25 through 28 shall be deleted in their entirety[.] **and "Plumbing requirements under the scope of this subcode shall be regulated by the plumbing subcode, [N.J.A.C. 5:23-3.15](#)" shall be inserted.**

21. Chapter 29, Water Supply and Distribution, shall be deleted except P2904, Multi-purpose fire sprinkler systems. **The deleted sections shall have "Plumbing requirements under the scope of this subcode shall be regulated by the plumbing subcode, [N.J.A.C. 5:23-3.15](#)." inserted.**

## 51 N.J.R. 285(a)

i. Section P2904 shall be amended as follows:

(1) (No change.)

[page=307] (2) In Section P2904.2.3, Freezing areas, "Section [P2603.6] **P2603.5**" shall be deleted and "the plumbing subcode ([N.J.A.C. 5:23-3.15](#))" shall be inserted.

(3) (No change.)

22. Chapters 30 through 33 shall be deleted in their entirety[.] **and** "Plumbing requirements under the scope of this subcode shall be regulated by the plumbing subcode, [N.J.A.C. 5:23-3.15](#)." **shall be inserted.**

23. Chapters 34 through 43 shall be deleted in their entirety[.] **and** "Electrical requirements under the scope of this subcode shall be regulated by the electrical subcode, [N.J.A.C. 5:23-3.16](#)." **shall be inserted.**

24. The Appendices shall be amended as follows:

i. (No change.)

ii. Appendix D, Recommended Procedure for Safety Inspection of an Existing Appliance Installation; Appendix E, Manufactured Housing Used as Dwellings; Appendix F, [Passive] Radon [Gas] Control[s] Methods; and Appendix G, Piping Standards for Various Applications, are deleted in their entirety.

iii. (No change.)

iv. Appendix I, Private Sewage Disposal; Appendix J, Existing Buildings and Structures; Appendix L, Permit Fees; Appendix M, Home Day Care - R-3 Occupancy; Appendix N, Venting Methods; Appendix O, Automatic Vehicular Gates; **and** Appendix P, Sizing of Water Piping Systems[; and Appendix Q, Reserved], shall be deleted.

v. **Appendix Q, Tiny Houses**; Appendix R, Light Straw-Clay Construction[.]; and Appendix S, Strawbale Construction, shall be adopted as part of this subcode.

vi. Appendix T, [Recommended Procedure For Worst-Case Testing Of Atmospheric Venting Systems Under N1102.4 or N1105 Conditions  $\leq$  5ACH50, and Appendix U,] Solar-Ready Provisions-- Detached One- And Two-Family Dwellings, Multiple Single-Family Dwellings (Townhouses), shall be deleted in their entirety.

#### 5:23-3.22 Fuel gas subcode

(a) Rules concerning the fuel gas subcode adopted are as follows:

1. Pursuant to authority of P.L. 1975, c. 217, the Commissioner hereby adopts the model code of the International Code Council, Inc., known as the International Fuel Gas [Code/2015] **Code/2018**. This code is hereby adopted by reference as the fuel gas subcode for the State of New Jersey subject to the modifications in (b) below.

i. (No change.)

ii. The International Fuel Gas [Code/2015] **Code/2018** may be known and cited as the "fuel gas subcode."

2.-3. (No change.)

(b) The following chapters, sections or pages of the International Fuel Gas [Code/2015] **Code/2018** shall be amended as follows:

1. (No change.)

2. Chapter 2 of the fuel gas subcode, entitled "Definitions," is amended as follows:

i.-ii. (No change.)

iii. The definition of the term "approved" is deleted and the following shall be inserted: "Approved refers to approval by the [building] **appropriate** subcode official or other authority having jurisdiction in accordance with the regulations."

iv.-viii. (No change.)

3.-6 (No change.)

7. Chapter 8 of the fuel gas code, entitled "Referenced Standards," shall be amended as follows:

i. Under the heading "ICC," amend the following titles:

(1) Delete "[IPC--15] **IPC--18**, International Plumbing Code."

8.-9. (No change.)