

1                   **State Construction and Electrical Standards Amendments**

2                                   2025 GENERAL SESSION

3                                   STATE OF UTAH

4                                   **Chief Sponsor: Thomas W. Peterson**

---

---

5                   **LONG TITLE**

6                   **General Description:**

7                   This bill modifies the State Construction Code.

8                   **Highlighted Provisions:**

9                   This bill:

10                  ▶ amends the State Construction Code to:

11                   • align with updated standards in the International Residential Code (IRC);

12                   • align with the updated standards in the National Electric Code (NEC); and

13                  ▶ makes technical changes.

14                  **Money Appropriated in this Bill:**

15                  None

16                  **Other Special Clauses:**

17                  None

18                  **Utah Code Sections Affected:**

19                  AMENDS:

20                  **15A-2-103**, as last amended by Laws of Utah 2024, Chapter 505

21                  **15A-3-206**, as last amended by Laws of Utah 2024, Chapter 505

22                  **15A-3-601**, as last amended by Laws of Utah 2024, Chapter 15

---

---

23                  *Be it enacted by the Legislature of the state of Utah:*

24                  Section 1. Section **15A-2-103** is amended to read:

25                  **15A-2-103 . Specific editions adopted of construction code of a nationally  
26                  recognized code authority.**

27                  (1) Subject to the other provisions of this part, the following construction codes are  
28                  incorporated by reference, and together with the amendments specified in Chapter 3,  
29                  Statewide Amendments Incorporated as Part of State Construction Code, and Chapter 4,  
30                  Local Amendments Incorporated as Part of State Construction Code, are the  
31                  construction standards to be applied to building construction, alteration, remodeling, and  
                    repair, and in the regulation of building construction, alteration, remodeling, and repair

- 32 in the state:
- 33 (a) the 2021 edition of the International Building Code, including Appendices C and J,  
34 issued by the International Code Council;
- 35 (b) the 2021 edition of the International Residential Code, issued by the International  
36 Code Council;
- 37 (c) Appendix AQ of the 2021 edition of the International Residential Code, issued by the  
38 International Code Council;
- 39 (d) the 2021 edition of the International Plumbing Code, issued by the International  
40 Code Council;
- 41 (e) the 2021 edition of the International Mechanical Code, issued by the International  
42 Code Council;
- 43 (f) the 2021 edition of the International Fuel Gas Code, issued by the International Code  
44 Council;
- 45 (g) the [2020] 2023 edition of the National Electrical Code, issued by the National Fire  
46 Protection Association;
- 47 (h) the 2021 edition of the International Energy Conservation Code, issued by the  
48 International Code Council;
- 49 (i) the 2021 edition of the International Existing Building Code, issued by the  
50 International Code Council;
- 51 (j) subject to Subsection 15A-2-104(2), the HUD Code;
- 52 (k) subject to Subsection 15A-2-104(1), Appendix AE of the 2021 edition of the  
53 International Residential Code, issued by the International Code Council;
- 54 (l) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model  
55 Manufactured Home Installation Standard, issued by the National Fire Protection  
56 Association;
- 57 (m) subject to Subsection (3), for standards and guidelines pertaining to plaster on a  
58 historic property, as defined in Section 9-8a-302, the U.S. Department of the Interior  
59 Secretary's Standards for Rehabilitation and Guidelines for Rehabilitating Historic  
60 Buildings; ~~and~~
- 61 (n) the residential provisions of the 2021 edition of the International Swimming Pool  
62 and Spa Code, issued by the International Code Council; and
- 63 (o) Modular Building Institute Standards 1200 and 1205, issued by the International  
64 Code Council, except as modified by provisions of this title governing modular units.
- 65 (2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire Control,

66 the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code,  
 67 issued by the International Code Council, with the alternatives or amendments approved  
 68 by the Utah Division of Forestry, Fire, and State Lands, as a construction code that may  
 69 be adopted by a local compliance agency by local ordinance or other similar action as a  
 70 local amendment to the codes listed in this section.

- 71 (3) The standards and guidelines described in Subsection (1)~~(n)~~ (m) apply only if:  
 72 (a) the owner of the historic property receives a government tax subsidy based on the  
 73 property's status as a historic property;  
 74 (b) the historic property is wholly or partially funded by public money; or  
 75 (c) the historic property is owned by a government entity.

76 Section 2. Section **15A-3-206** is amended to read:

77 **15A-3-206 . Amendments to Chapters 36, 37, 39, and 44 and Appendix F of IRC.**

- 78 (1) In IRC, Section E3601.6.2, a new exception is added as follows: "Exception: An  
 79 occupant of an accessory dwelling unit is not required to have access to the disconnect  
 80 serving the dwelling unit in which they reside."  
 81 (2) IRC, Section E3606.5, is deleted.  
 82 (3) IRC, Section E3601.7, is deleted and replaced with the following:  
 83 "3601.7 Maximum number of disconnects. The service disconnecting means shall consist of  
 84 not more than six switches or six sets of circuit breakers mounted in a single enclosure or in a  
 85 group of separate enclosures."  
 86 (4) In IRC, Section E3705.4.4, the following sentences are deleted:  
 87 "Where more than two NM cables containing two or more current-carrying  
 88 conductors are installed, without maintaining space between the cables, through the  
 89 same opening in wood framing should be sealed with thermal insulation, caulk or  
 90 sealing foam. The allowable ampacity of each conductor shall be adjusted in accordance  
 91 with Table E3705.3 and the provisions of Section E3701.3. Exception. may not apply."  
 92 (5) IRC, Section E3901.4.2, is deleted and replaced with the following:  
 93 "E3901.4.2 Island and Peninsular Countertops and Work Spaces. Receptacle outlets, if  
 94 installed to serve an island or peninsular countertop or work surface, shall be installed in  
 95 accordance with E3901.4.3. If a receptacle outlet is not provided to serve an island or  
 96 peninsular countertop or work surface, provisions shall be provided at the island or peninsula  
 97 for future addition of a receptacle outlet to serve the island or peninsular countertop or work  
 98 surface."  
 99 [~~(5)~~] (6) IRC, Section E3901.4.3, is deleted and replaced with the following:

100 "E3901.4.3 Receptacle Outlet Location. [~~Receptacle~~] When installed, receptacle outlets  
101 shall be located in one or more of the following:

102 1. On or above, but not more than 20 inches (508 mm) above a countertop or work  
103 surface.

104 2. In a countertop using receptacle outlet assemblies listed for use in countertops.

105 3. In a work surface using receptacle outlet assemblies listed for use in work surface or  
106 listed for use in countertops.

107 Receptacle outlets rendered not readily accessible by appliances fastened in place,  
108 appliance garages, sinks, or range tops as covered in the exception to Section E3901.4.1 or  
109 appliances occupying assigned spaces shall not be considered as these required outlets.

110 4. Under the countertop not more than 14 inches from the bottom leading edge of the  
111 countertop."

112 [~~(6)~~] (7) In IRC, Section 3902.1, after the word "125-volt" add "single phase 15 and 20  
113 ampere" and strike the words "through 250 volt."

114 [~~(7)~~] (8) In IRC, Section 3902.2, after the word "125-volt" add "single phase 15 and 20  
115 ampere" and strike the words "through 250 volt."

116 [~~(8)~~] (9) In IRC, Section 3902.3, after the word "125-volt" add "single phase 15 and 20  
117 ampere" and strike the words "through 250 volt."

118 [~~(9)~~] (10) In IRC, Section 3902.4, after the word "125-volt" add "single phase 15 and 20  
119 ampere" and strike the words "through 250 volt."

120 [~~(10)~~] (11) In IRC, Section 3902.5, after the word "125-volt" add the words "single phase 15  
121 and 20 ampere in unfinished portions of the basement shall have ground-fault  
122 circuit-interrupter protection for personnel" and delete the rest of the section.

123 [~~(11)~~] (12) In IRC, Section 3902.6, after the word "125-volt" add "single phase 15 and 20  
124 ampere" and strike the words "through 250 volt."

125 [~~(12)~~] (13) In IRC, Section 3902.7, after the word "125-volt" add "single phase 15 and 20  
126 ampere" and strike the words "through 250 volt."

127 [~~(13)~~] (14) In IRC, Section 3902.8, after the word "125-volt" add "single phase 15 and 20  
128 ampere" and strike the words "through 250 volt."

129 [~~(14)~~] (15) In IRC, Section 3902.9, after the word "125-volt" add "single phase 15 and 20  
130 ampere" and strike the words "through 250 volt."

131 [~~(15)~~] (16) IRC, Section 3902.10, is deleted.

132 [~~(16)~~] (17) In IRC, Section 3902.12, after the word "125-volt" add "single phase 15 and 20  
133 ampere" and strike the words "through 250 volt."

- 134 [(17)] (18) In IRC, Section 3902.13, after the word "125-volt" add "single phase 15 and 20  
135 ampere" and strike the words "through 250 volt."
- 136 [(18)] (19) IRC, Section 3902.15, Crawl space lighting outlets, is deleted.
- 137 [(19)] (20) IRC, Section 3902.16, Equipment requiring servicing, is deleted.
- 138 [(20)] (21) IRC Section 3902.17, Outdoor outlets, is deleted.
- 139 [(21)] (22) IRC, Section 3902.19, Location of arc-fault circuit interrupters, is deleted.
- 140 [(22)] (23) IRC, Section E3902.20, Arc-fault circuit interrupter protection, is deleted.
- 141 [(23)] (24) IRC, Section E3902.21, Arc-fault circuit interrupter protection for branch circuit  
142 extensions or modification, is deleted.
- 143 [(24)] (25) IRC, Section 4002.11, is deleted and replaced with the following: "4002.11  
144 Bathtub and Shower Space. Receptacles shall not be installed within or directly over a  
145 bathtub or shower stall."
- 146 [(25)] (26) IRC, Chapter 44, is amended by deleting the standard for "ANCE."
- 147 [(26)] (27) In IRC, Chapter 44, the standard for ASHRAE is amended by changing  
148 "34-2013" to "34-2019."
- 149 [(27)] (28) In IRC, Chapter 44, the standard for CSA, is amended by changing the:
- 150 (a) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA  
151 60335-2-40-2019"; and
- 152 (b) title "Standard for Household and Similar Electrical Appliances, Part 2: Particular  
153 Requirements for Motor-Compressors" to "Standard for Household and Similar  
154 Electrical Appliances, Part 2-40, Requirements for Electric Heat Pumps, Air  
155 Conditioners and Dehumidifiers-3rd Edition."
- 156 [(28)] (29) In IRC, Chapter 44, the standard for UL, is amended by changing the:
- 157 (a) standard reference number "1995-2011" to "1995-2015";
- 158 (b) standard reference number "UL/CSA/ANCE 60335-2-40-2012" to "UL/CSA  
159 60335-2-40-2019"; and
- 160 (c) title "Standard for Household and Similar Electrical Appliances, Part 2: Particular  
161 Requirements for Motor-Compressors" to "Standard for Household and Similar  
162 Electrical Appliances, Part 2-40, Requirements for Electric Heat Pumps, Air  
163 Conditioners and Dehumidifiers-3rd Edition."
- 164 [(29)] (30) In IRC, Chapter 44, the standard for ANSI/RESNET/ICC 201-2019 Section 4.4.4 is  
165 added as follows: "4.4.4. Air Source Heat Pumps and Air Conditioners. For Heat Pumps and  
166 Air Conditioners with the more recent Manufacturers Equipment Performance Ratings (HSPF2  
167 or SEER2) available, and HSPF and SEER are not available, these ratings shall be converted

168 to HSPF and SEER values by dividing HSPF2 or SEER2 by the conversion factors in Table  
 169 4.4.4.1(1). If the type of equipment is not determined, the conversion shall default to the  
 170 Ducted Split System factors. All calculations, including Equation 4.1-1a shall use HSPF or  
 171 SEER values as made available by the Manufacturer or converted as specified in this section.  
 172 Table 4.4.4.1(1) SEER2 and HSPF2 Conversion Factors3.

Equipment Type	SEER2/SEER	EER/EER4	HSPF/HSPF
Ductless Systems	1.00	1.00	0.90
Ducted Split System	0.95	0.95	0.85
Ducted Package System	0.95	0.95	0.84
Small Duct High Velocity System	1.00	not applicable	0.85
Ducted Space-Constrained Air Conditioner	0.97	not applicable	not applicable
Ducted Space-Constrained Heat Pump		not applicable	0.85"

180 [~~30~~] (31) IRC, Chapter 44, is amended by adding the following reference standard:

Standard reference number	Title	Referenced in code section number
USC-FCCCHR 10th Edition Manual of Cross Connection Control	Foundation for Cross-Connection Control and Hydraulic Research University of Southern California Kaprielian Hall 300 Los Angeles CA 90089-2531	Table P2902.3"

184 [~~31~~] (32) IRC, Chapter 44, is amended by adding the following reference standard: "UL  
 185 9540-20: Energy Storage Systems and Equipment; R328.1, R328.2, and R328.6."

186 [~~32~~] (33)(a) When passive radon controls or portions thereof are voluntarily installed,  
 187 the voluntary installation shall comply with Appendix F of the IRC.

188 (b) An additional inspection of a voluntary installation described in Subsection [~~(27)(a)-~~]  
 189 (28)(a) is not required.

190 Section 3. Section **15A-3-601** is amended to read:

191 **15A-3-601 . General provisions.**

192 The following are adopted as amendments to the NEC to be applicable statewide:

- 193 (1) The IRC provisions are adopted as the residential electrical standards applicable to  
 194 residential installations under the IRC. All other installations shall comply with the  
 195 adopted NEC.
- 196 (2) In NEC, Section 210.8(A), the words "through 250-volt" are deleted.

197 (3) In NEC, Section 210.8(A) number (5), the word "Basements" is deleted and replaced  
198 with the following:

199 "Unfinished portions or areas of the basement not intended as habitable rooms."

200 (4) In NEC, Section 210.8(A), number (6), the following is added after the word "Kitchens":  
201 "where the receptacles are installed to serve the countertop surfaces."

202 (5) In NEC, Section 210.8(A), number (7) is deleted.

203 (6) In NEC, Section 210.8(D), numbers (8) through (12) are deleted.

204 (7) NEC, Section 210.8(F), is deleted.

205 [~~5~~] (8) NEC, Sections 210.52(C) number (2) and number (3) are deleted and replaced with the  
206 following:

207 "210.52(C)(2) Island and peninsular countertops and Work Surfaces. Receptacle outlets,  
208 if installed to serve an island or peninsular countertop or work surface, shall be installed in  
209 accordance with 210.52(C)(3). If a receptacle outlet is not provided to serve an island or  
210 peninsular countertop or work surface, provisions shall be provided at the island or peninsula  
211 for future addition of a receptacle outlet to serve the island or peninsular countertop or work  
212 surface.

213 210.2(C)(3) Receptacle outlet location. Receptacle outlets shall be located in one or  
214 more of the following:

215 (a) On or above, but not more than 500 mm (20 inches) above a countertop or work  
216 surface.

217 (b) In a countertop using receptacle assemblies listed for use in countertops.

218 (c) In a work surface using receptacle outlet assemblies listed for use in work surfaces or listed  
219 for use in countertops.

220 Receptacle outlets rendered not readily accessible by appliances fastened in place,  
221 appliance garages, sinks, or range tops as covered in the exception to 210.52(C)(1), occupying  
222 assigned spaces shall not be considered as these required outlets.

223 Exception: In dwelling units designed to be accessible to persons with disabilities,  
224 receptacles shall be permitted to be installed not more than 300 mm (12 inches) below the  
225 countertop or work surface. Receptacles installed below a countertop or work surface shall not  
226 be located where the countertop or work surface extends more than 150 mm (6 inches) beyond  
227 its support or base."

228 [~~6~~] (9) NEC, Section 210.12, is deleted.

229 [~~7~~] (10) NEC, Section 210.65, is deleted.

230 (11) NEC, Section 215.18, is deleted.

231 ~~(12)~~ NEC, Section 225.42 is deleted.

232 ~~[(8)]~~ (13) NEC, Section 230.67, is deleted.

233 ~~[(9)]~~ (14) NEC, Section 230.71, is deleted and replaced with the following:

234 "230.71 Maximum Number of Disconnects.

235 (A) General. The service disconnecting means for each service permitted by 230.2, or for  
236 each set of service-entrance conductors permitted by 230.40, Exception No. 1, 3, 4, or 5 shall  
237 consist of not more than six switches or sets of circuit breakers, or a combination of not more  
238 than six switches and sets of circuit breakers, mounted in a single enclosure, in a group of  
239 separate enclosures, or in or on a switchboard or in switchgear. There shall be not more than  
240 six sets of disconnects per service grouped in any one location. For the purpose of this section,  
241 disconnecting means installed as part of listed equipment and used solely for the following  
242 shall not be considered a service disconnecting means:

243 (1) Power monitoring equipment;

244 (2) Surge-protective device(s);

245 (3) Control circuit of the ground-fault protection system; or

246 (4) Power-operable service disconnecting.

247 (B) Single-Pole Units. Two or three single-pole switches or breakers, capable of individual  
248 operation, shall be permitted on multiwire circuits, one pole for each ungrounded conductor, as  
249 one multipole disconnect, provided they are equipped with identified handle ties or a master  
250 handle to disconnect all conductors of the service with no more than six operations of the hand.

251 (C) Beginning on July 1, 2027, Section 230.71(B) is no longer in effect."

252 ~~[(10)]~~ (15) NEC, Section 314.27(C), is deleted and replaced with the following: "314.27(C)

253 Boxes at Ceiling-Suspended (Paddle) Fan Outlets. Outlet boxes or outlet box systems  
254 used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be  
255 marked by their manufacturer as suitable for this purpose, and shall not support  
256 ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or  
257 outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more  
258 than 16 kg (35 lb), the required marking shall include the maximum weight to be  
259 supported."

260 (16) In NEC, Section 334.24, the last sentence is deleted and replaced with the following:

261 "For flat cables, the minor diameter dimension of the cable shall be used to determine  
262 the bending radius when bending on the flat side of the cable. For all other bends, the  
263 major diameter dimension shall be used."

264 ~~[(11) NEC, Section 406.9(C), is deleted and replaced with the following: "406.9(C) Bathtub~~



265 ~~and Shower Space. Receptacles shall not be installed within or directly over a bathtub or~~  
266 ~~shower stall."]~~

267 (17) In NEC, Section 334.80, the second paragraph is deleted.

268 (18) In NEC, Section 338.24, the last sentence is deleted and replaced with the following:

269 "For flat cables, the minor diameter dimension of the cable shall be used to determine  
270 the bending radius when bending on the flat side of the cable. For all other bends, the  
271 major diameter dimension shall be used."

272 (19) In NEC, Section 406.9(B) number (2), the following words are deleted:

273 "be listed weather-resistant type, and installation shall".

274 (20) NEC, Section 700.3(A) is deleted and replaced with the following:

275 "700.3(A) Conductor Witness Test.

276 The authority having jurisdiction shall conduct or witness a test of the complete  
277 system upon installation and periodically afterward."

278 **Section 4. Effective Date.**

279 This bill takes effect on May 7, 2025.