- 1. 90.2(A)(5); marinas and boatyards added
- 2. 90.2(A)(6); Bi-directional power to/from electric vehicles added
- 3. 100-Acessible (as applied to equipment); definition revised
- 4. 100-Bathroom; basin means sink
- 5. 100-Fault Current; definition added
- 6. 100- Fault Current, Available; definition added
- 7. 100-Free Air; definition added
- 8. 100-Habitable Room
- 9. 100-Labeled informational note added
- 10. 100- Laundry Area; definition added
- 11. 100-Reconditioned; definition added
- 12. 100 Part III- hazardous locations definitions relocated here
- 13. 110.3(B)- revised to include equipment listed, labeled, or BOTH
- 14. 110.12(C)- mechanical execution of work for communication and signal cables
- 15. 110.14(D)- terminal tightening torque revisions
- 16. 110.21(A)(2)- reconditioned equipment
- 17. 110.22(A)- disconnecting means marking of source
- 18. 110.26(A)(3)- concrete pad encroachment into working space limited to 6" max
- 19. 110.26(C)(2)- working space for large equipment includes "combined" amp ratings.
- 20. 110.26(C)(3)- "panic hardware" or "fire exit hardware" for room exit
- 21. 110.31(A)(4)- "panic hardware" or "fire exit hardware" for vault exit
- 22. 200.6(E)- identification of grounded conductors in cable revised
- 23. 200.9 + 200.10(B)- silver color permitted to identify grounded conductor terminal
- 24. 210.5(C)(1)- systems must be identified by "voltage class"
- 25. 210.8- 2nd. Paragraph- measurements revised (doors and doorways deleted)
- 26. 210.8(A)-voltage and amperage revisions for GFCI protection of receptacle
- 27. 210.8(A)(5)- GFCI protection required in finished basements too
- 28. 210.8(A)(11)- GFCI protection for indoor damp and wet locations
- 29. 210.8(B)- GFCI protection for other than dwellings revised for clarity
- 30. 210.8(B)(2)-now includes other areas with sink and either food prep or cooking
- 31. 210.8(B)(6)- now includes indoor damp locations
- 32. 210.8(B)(8)- accessory buildings added
- 33. 210.8(B)(11)- GFCI protection for laundry areas
- 34. 210.8(B)(12)- GFCI protection near tubs and showers
- 35. 210.(D)- GFCI protection for specific appliances
- 36. 210.8(E)- GFCI protection for 210.63 receptacles
- 37. 210.8(F)- GFCI protection for outdoor "outlets"
- 38. 210.11(C)(3)- 20-amp bathroom circuit clarified
- 39. 210.11(C)(4)- 20-amp garage circuit clarified
- 40. 210.12(C)-AFCI protection for sleeping rooms in nursing homes and limited care facilities
- 41. 210.12(D)- now includes modifications in guest rooms and guest suites
- 42. 210.15- reconditioned equipment
- 43. 210.19(A)(1)- reference to 110.14(C) for conductor sizing at terminals
- 44. 210.19(A)(1) exception 2- for continuous loads
- 45. 210.52(C)- revisions for countertop receptacle outlets
- 46. 210.52(C)(2)- revisions for island and peninsular receptacle outlets

- 47. 210.52(E)(3)- receptacle outlets required for "free-standing" decks.
- 48. 210.63- receptacles near HACR equipment, indoor service equipment, other equipment.
- 49. 210.65-meeting room receptacles clarified
- 50. 210.70(A)(B)+(C)- term "listed wall mounted control device" used instead of a "wall switch"
- 51. 215.2(A)(1)- reference to 110.14(C) for conductor sizing at terminals
- 52. 215.2(A)(1)(b)- reference to 310.14 correction factors
- 53. 215.9- feeder GFCI protection
- 54. 215.10- feeder GFPE protection
- 55. 220.12(A)-revised lighting loads for Table 220.12
- 56. Table 220.12- hospitals removed, many occupancies added. See the note about continuous loads
- 57. 220.14(J)- dwelling unit loads
- 58. 220.14(K)- banks removed from requirement
- 59. 220.14(M)- hotel and motel lighting and receptacle loads
- 60. 220.42- lighting demands revised
- 61. 220.53- dwelling appliance loads revised
- 62. 220.60- noncoincidental motor loads at 125%
- 63. 225.30(B)- common supply equipment
- 64. 230.46- spliced or tapped service entrance conductors
- 65. 230.62(C)- insulating barriers for service equipment
- 66. 230.67- surge protection required for dwelling unit services
- 67. 230.71- maximum number of service disconnects revised
- 68. 230.85- external disconnect required for 1- and 2-family dwellings
- 69. 240.33- enclosures for overcurrent devices must be installed vertically
- 70. 240.40- disconnect for fuses
- 71. 240.67(B)- current-limiting electronically actuated fuses permitted
- 72. 240.87(B)(5)- temporary adjustment of instantaneous trip settings not permitted to satisfy this requirement
- 73. Article 242- overvoltage protection (consolidation of former Articles 280 + 285)
- 74. 250.12- clean surfaces required for grounding and BONDING
- 75. 250.25- grounding of systems on supply side of service disconnects
- 76. 250.28(A)- aluminum and copper-clad aluminum permitted for MBJ
- 77. 250.30- revised to address paralleled separately derived systems (such as multiple generators) When connected in parallel are considered ONE separately derived system.
- 78. 250.30(A)(1) exception- system bonding jumper can be installed at paralleling switchgear or switchboard instead of at disconnecting means for each separate source
- 79. 250.64(A)-aluminum GEC installations revisions
- 80. 250.68(C)(3)- rebar electrode connections
- 81. 250.104(A)(1)- maximum 3/0 bonding jumper to water pipe
- 82. 250.109- using metal enclosures to interconnect bonding/grounding conductors
- 83. 250.119 exception 1- revised to include 60vdc
- 84. 250.120(B)- Aluminum EGC installation/terminations
- 85. 250.122- major revisions for sizing of EGC
- 86. 250.122(B)- revised for clarity! Exception added
- 87. 250.148- EGC connections in metal boxes
- 88. 300.3(B)(1)- taps from paralleled conductors
- 89. 300.4(G)- bushings and fittings (metal bushings now permitted)

- 90. 300.15(F)- NM cable interconnecting device (fitting) not required to be accessible
- 91. 300.25- no wiring permitted in "exit enclosure' such as stairways
- 92. 310.12- Table 310.12
- 93. 310.14- conductor ampacities
- 94. 310.15- ampacity tables
- 95. 310.16- Table 310.16 is back!
- 96. Article 311- MV cables 2001v-35kV
- 97. 312.5(C)- exception 2 added to coordinate with 392.46
- 98. 312.8(B)- energy management equipment now included
- 99. 314.16(B)(5)- EGC and bonding jumper fill for boxes now a ¼ volume each
- 100. 314.27(C)- boxes for paddle fans outlets in dwelling units revised
- 101. 314.29- access to boxes
- 102. 320.30(C)- horizontal runs of AC cable through framing members now considered "secured" too.
- 103. 320.80(A)- ampacity of AC cable in thermal insulation
- 104. 330.80(A)- ampacity of MC cable in thermal insulation
- 105. 334.2- NMS cable deleted
- 106. 334.30- support of NM cables
- 107. 336.130- Tray Cables in hazardous locations (TC-ER-HL)
- 108. Article 337- Type P cables
- 109. 338.14(B)(4)(2)- ampacity of SE cable in thermal insulation
- 110. 342.10(E)- IMC permitted where subject to severe physical damage
- 111. 342.14- dissimilar IMC metals
- 112. 344.10(A)- red brass RMC uses
- 113. 344.14- dissimilar RMC metals
- 114. 350.10- LFMC uses permitted
- 115. 350.12- LFMC uses not permitted
- 116. 350.30- all exceptions- connectors are means of support
- 117. 356.2- LFNC Type-C
- 118. 356.10- LFNC uses permitted
- 119. 358.10(E)- EMT used where subject to physical damage
- 120. 358.14- dissimilar EMT metals
- 121. 380.12(7)- multioutlet assemblies can't be cord-and-plug connected
- 122. 392.10- single conductors permitted in cable trays
- 123. 400.12- flexible cords and cables uses not permitted
- 124. 404.2(C) exception- now in effect, and revised to include other than "lighting" controls too.
- 125. 404.7- switch indication
- 126. 404.9- now includes "dimmers" and "control switches" too.
- 127. 404.9(B)- grounding/bonding of switch faceplates
- 128. 404.10- mounting of switches
- 129. 404.14- switches required to be "listed"
- 130. 404.14(A),(B), and (D)- switch ratings for ballasts and electronic lighting loads
- 131. 404.14(E)- electronic switch uses
- 132. 404.22- revised to "electronic (LIGHTING) control switches"
- 133. 406.4(A)- revised for clarity

- 134. 406.4(D)(4) exception- deleted
- 135. 406.4(D)(7)- replacing "controlled" receptacles
- 136. 406.4(G)(2)- receptacles not permitted "face-up" under sink areas
- 137. 406.9(C)- receptacles not permitted within 3' horizontally and 8' vertically from tub or shower
- 138. 406.12- rules for TR receptacles expanded
- 139. 406.13- single-pole separable connectors
- 140. 408.3(A)(2)- barriers for service equipment deleted- relocated to Article 230?
- 141. 408.4(A)- circuit directory can be adjacent to panelboard, switchboard or switchgear
- 142. 408.6- short circuit ratings of equipment
- 143. 408.8- reconditioning of equipment
- 144. 408.18(C)- clearances for making field connections
- 145. 408.43- panelboards cannot be installed "face up"
- 146. 410.2- clothes closet definition
- 147. 410.10(D)- luminaires in tub or shower area
- 148. 410.36(A)- luminaires supported on boxes
- 149. 410.42- conductive luminaires
- 150. 410.44- luminaire grounding
- 151. 410.69- identification of control conductors (example: gray for 0-10V dimming)
- 152. 410.116(C)- luminaires in fire-resistant construction
- 153. 410.118- luminaires can't be used as access point for junction boxes!
- 154. 410 Part XVI- horticultural lighting
- 155. 422.5(A)- GFCI protection for appliances
- 156. 422.16- flexible cords used for appliances
- 157. 422.22- appliances using separable attachment fittings
- 158. 422 part IV and V deleted- not needed since 422.6 requires listing
- 159. 424.4- branch circuits for fixed electric space heating equipment
- 160. 430.2-"electronically protected" motors, marked "EP", see UL1004-7
- 161. 430.32- "electronic" motor overload protection
- 162. 430.122(B)+ exception for conductors on load side of power conversion equipment (VFD)
- 163. 430.122(D)- use rated input of power conversion equipment (VFD) when several motors are connected to load side of VFD
- 164. 430.130(A)(1)- use 430.6(A)+(B) for branch circuit short-circuit and ground-fault protection sizing of circuit feeding VFD. Also see exception no. 1
- 165. 440.9- grounding/bonding of rooftop equipment. "Non-threaded fittings" revised to "compression fittings"
- 166. 445.6- generators required to be listed
- 167. 445.18(D)-first responder shut down for generator in 1-and 2-family dwellings
- 168. 450.9- top, horizontal, readily accessible surfaces of transformers must be marked TO PROHIBIT STORAGE!
- 169. 480.7- exterior DC disconnecting means required for 1-and 2-family dwellings
- 170. 490.49- reconditioning switchgear over 1000 volts
- 171. 500.7(K)- combustible gas detection systems
- 172. 500.7(L)- inherently safe optical radiation, "op is"
- 173. 500.7(M)- protected optical radiation, "op pr"
- 174. 500.7(N)- optical system with interlock, "op sh"
- 175. 500.8(G)- optical radiation equipment

176. 501.10(A)(1)- TC-ER-HL + type P cables added 177. 501.10(B)(1)(6)- wiring where metal is not suitable 178. 501.15(A)(1)- couplings now included 179. 502.10(a)(1)- TC-ER-HL + type P cables added 180. 502.10(B)(1)(7)- wiring where metal is not suitable 181. 511.8- underground wiring "below Class I locations" 182. 511.12 -GFCI protection per 210.8(B) 183. 513.3(D) "adequately ventilated" revised to" 4 or more air changes per hour" 184. 513.12- GFCI protection per 210.8(B) 185. 514.11(A)- emergency shut down must disconnect all circuit conductors 517.2- dental office definition added 186. 517.10(B)- areas NOT covered by Article 517 Part II 187. 188. 517.13(B)(1)(4)- grounding of metal faceplates 189. 517.16- use of isolated ground receptacles 190. 517.17- GFPE revisions 517.18(A) exception #4- 2 circuits on the equipment branch are now permitted 191. 192. 517.21- GFCI protection requirements for General Care and Critical Care spaces 193. 517.26(A)- application of Article 700 194. 517.30(B)- battery systems permitted as alternate power source 517.30(C)(1)- services must be protected from "manmade" (terrorism/vandalism) hazards 195. 196. 517.31(C)(3)(3)(f)- use of steel FMC for luminaires in (rigid) ceilings 197. 517.31(E)- receptacle identification required on the cover only. Not the receptacles! 198. 517.34- critical branch equipment and wiring 199. 518.4(A)- EGC no longer required to be insulated 200. 518.6- illumination required at exterior service equipment 201. 520.68(A)(2)- hard usage cords and cables now permitted 202. 525.20(G)- protection of wiring 545.2- relocatable structures: definition and requirements relocated from Article 550 203. 204. 547.5(F)- insulated EGC required when not part of a cable 205. 547.5(G)- 210.8(B) GFCI rules do not apply 206. 550.13(B)- GFCI protection requirements revised 207. 550.30- clarifications to park distribution systems 208. 550.32(E)- GFCI protection requirements revised 209. 551.71(A)- weather resistant (WR) receptacles now required 210. 551.71(F)- GFCI protection requirements revised 211. 551.72(F)- only 1 supply cord permitted 212. Article 553 deleted- relocated to Article 555 Part III 555.1 Scope now includes floating buildings (555 Part III) 213. 214. 555.2- definition of datum plane revised (see 555.3) 215. 555.3- datum plane distances 216. 555.5- maximum voltages revised 555.7- transformers must be identified for wet locations 217. 218. 555.9- GFCI protection for boat hoists relocated from 210.8(C) 219. 555.13- bonding of non-current-carrying metal parts 220. 555.30(C)- electrical connection replacements 221. 555.34(B)(2)- outdoor branch circuits and feeders

222. 555.35- GFPE and GFCI protection 223. 555.38- equipotential bonding 224. 555 Part III for Floating Buildings 225. 555.35(B)- Leakage current monitoring 226. 555.53- GFPE for floating buildings 227. 590.4(G) exception 2- splices for temporary power 228. 590.8-OCPD for temporary power 229. 600.2- host sign definition 230. 600.2- sign retro-fit kit definition 231. 600.4(D)- markings 232. 600.6(A)(1)-conductors passing through sign 233. 600.35- sign retro-fit kits 234. 610.61- bonding requirements added 620.6- GFCI protection for elevator machine rooms, machinery spaces, and pits 235. 236. 620.21- informational note. 237. 620.22(A)- car lights branch circuit 238. 620.51(A)- disconnecting means cannot be "lockable in the ON position" 239. 620.51(E)-surge protection now required "legally required" and "critical ops" too. 240. 620.62- selective coordination. New exceptions no. 1 and no. 2 added 241. 620.65- signage 242. 625.1-scope 243. 625.2- EVPE definition 244. 625.2- EVSE definition 245. 625.42- adjustable PTE ratings 625.44- EV equipment connections 246. 625.54- GFCI protection for EV charging receptacles 247. 248. 625.60- AC receptacles for EVPE 249. 626.31(C)- receptacles at truck parking spaces 250. 626.32(A)+(C) receptacles and cord cap ratings 251. 640.10-audio systems near water 645.5(E)(2)- fire suppression systems addressed in items 4 and 5 252. 253. 680.2- splash pad definition 254. 680.4- inspections after installation 255. 680.5- GFCI requirements 680.21(C)+exception- GFCI protection for pool pumps 256. 257. 680.22(A)(5)- receptacle in pool equipment room 258. 680.35(C)- GFCI for storable pools and heaters 259. 680.43(D)(5)- bonding near indoor hot tubs 260. 680.45- immersion pools 261. 680.50-fountains include splash pads 262. 680.54- fountain grounding/bonding 680.59- GFCI for fountain pumps 263. 690.2- electronic power converter definition added (DC-DC converter deleted) 264. 265. 690.8(A)(2)-maximum current is based on rated input of power converter 690.9- overcurrent protection revisions 266. 267. 690.9(A)(3)- conductors with overcurrent protection on one end only

268. 690.12(B)(2)- listed PV hazard control system required inside of PV array boundary 269. 690.12(C)- rapid PV shut down for garages and storage buildings of dwelling units deleted 270. 690.13(E)- lockable PV disconnecting means 271. 690.15- equipment isolation device 272. 690.31(C)(3)- multiconductor jacketed cables 273. 690.33(C)- intermatability of connectors 274. 690.41(B)(3)- ground-fault indication and notification location 275. 695.6(A)(1) exception- supply conductors in fire pump rooms 276. 695.10- reconditioned fire pump controllers or transfer switches not permitted 277. 695.14(F)- generator control wiring 278. 700.5(C)- reconditioned transfer switches not permitted 700.12(I)(2)(3)-EBU circuit breaker must be "locked on" 279. 280. 700.16(B)- listed equipment required 701.5(C)- reconditioned transfer switches not permitted 281. 282. 702.2- "stored power" included for optional standby systems 702.5(A)- reconditioned transfer switches not permitted 283. 284. 702.5(B)- meter mounted transfer switches 285. 702.5(E)- parallel power systems permitted 286. 705.11- connections ahead of service disconnect 287. 705.13- power control systems 288. 706.2- ESS definition plus info notes 1 and 2 289. 708.24(D)- bypass isolations switch requirements 290. 725.144(A)+ exception- ampacity of CL2 and CL3 cables revised 291. 725.144(B)- ampacity of CL2-LP and CL3-LP cables revised (includes a 192-cable limit) 292. 760.24- revised to include all of 300.4 (previously was only 300.4(D)) 293. 760.121(B)- PLFA branch circuit disconnect can be "locked on" 294. Article 800- general requirements for communications systems 295. 800.27- temperature limitations of communication cables 296. 800.44(C)- communication cables on masts 297. 800.154- application of cables Chapter 9, Table 1, note 2 – applies to complete raceways only 298.