

# ATTACHMENT C

## Major Changes in the 2014 National Electrical Code NFPA - 70

No.	Analysis of Changes	NEC Section	Summary of Change
1.	Page 27	100	Revised definition to prohibit "the use of tools" when equipment is required to be readily accessible.
2.	Page 37 & 38	110.25	Added in Art. 110 to provide consistent requirements at one location for lockable disconnecting means rules.
3.	Page 39 & 40	110.26(C)(3)	For panic hardware for personnel doors, the ampere threshold was lowered from 1200 amperes to 800 amperes. Another revision involved the term listed panic hardware, which replaced the previous list of specific hardware provided for this requirement.
4.	Page 41 & 42	110.26(E)(2)(a) & (b)	Dedicated equipment space is now required for both outdoor installations and for indoor installations.
5.	Page 50 & 51	210.8(A)(7)	GFCI protection is required within 6ft of all dwelling unit sinks (including kitchen sinks).
6.	Page 52	210.8(A)(9)	All 125 volt, single phase, 15 and 20 ampere receptacles installed within 6ft of the outside edge of a dwelling unit bathtub or shower stall requires GFCI protection.
7.	Page 53	210.8(A)(10)	All dwelling unit laundry areas now require GFCI protection for 125 volt, single phase, 15 and 20 ampere receptacles, regardless of the presence of a sink or the distance from the same.
8.	Page 54	210.8(B)(8)	GFCI protection for 125 volt, single phase, 15 and 20 ampere receptacles installed in all non-dwelling unit garages, service bays, and similar areas.
9.	Page 55 & 56	210.8(D)	GFCI protection is now required for all outlets that supply dishwashers installed in dwelling units.
10.	Page 57	210.12	AFCI devices are required to be installed in a readily accessible location.
11.	Page 58 & 59	210.12(A)	AFCI protection expanded to kitchen and laundry areas.
12.	Page 60 - 63	210.12(A1-A6)	AFCI protection methods were expanded and language was put into a list format. Provisions for outlet branch circuit (OBC) AFCI devices were expanded.
13.	Page 66	210.12(C)	Dormitory units will now require AFCI protection.

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14.	Page 67	210.13	GFP of equipment is now required for branch circuit disconnects meeting Art. 230.95.
15.	Page 68	210.17	Outlet(s) installed for the purpose of charging electric vehicles are required to be supplied by a separate branch circuit with no other outlets.
16.	Page 73 & 74	210.52(G)	Receptacle provisions for basements, garages, and accessory buildings were revised into a list format. A branch circuit supplying garage receptacles(s) is to supply only the garage. Receptacles are required for each car space in a garage.
17.	Page 75	210.64	At least one 125 volt, single phase, 15 or 20 ampere rated receptacle shall be installed within 50ft of the electrical service equipment.
18.	Page 82	230.82(3)	For "Equipment Connected to the Supply Side of Service Disconnect", provisions for a meter disconnect switch were revised by adding a label requirement to indicate "(METER DISCONNECT NOT SERVICE EQUIPMENT)."
19.	Page 102 & 103	250.102(C)	New table 250.102(C) was added to be used for sizing grounded conductors, main bonding jumpers, systems bonding jumpers, and supply side bonding jumpers, rather than table 250.66.
20.	Page 104 & 105	250.122(B)	Wire type equipment grounding conductors are required to be increased in size when the minimum sized ungrounded conductors are increased in size.
21.	Page 130	314.15	All outlet box hood covers are required to be listed for use in a wet location, not just extra duty outlet box hood covers installed in wet locations.
22.	Page 165 & 166	404.2(C)	Requirements and exceptions for the grounded conductor at switching locations have been revised into positive text and rearranged into a list format.
23.	Page 175 & 176	406.9(B)(1)	Extra duty covers are now required for all 15 and 20 ampere, 125 and 250 volt receptacles installed in a wet location (not just for those supported from grade). This requirement also includes dwelling unit wet location receptacles as well.

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24.	Page 177 & 178	406.12	All nonlocking type 125 volt, 15 and 20 ampere receptacles in hotel/motel guest rooms/suites and child care facilities are required to be listed tamper resistant receptacles.
25.	Page 182	408.4(B)	A revision was added to indicate that switchboards, switchgear, and panel boards can have more than one source of power.
26.	Page 191 & 192	422.5	GFCI devices providing protection to appliances in Article 422 are required to be installed in readily accessible locations.
27.	Page 195	422.23	GFCI protection is now required for all tire inflation and automotive vacuum machines provided for public use.
28.	Page 196 & 197	422.49	GFCI protection in the cord or the plug of high pressure spray washing machines was expanded to three phase equipment rated 208Y/120 volts and 60 amperes or less.
29.	Page 198 & 199	422.51	GFCI protection has been expanded to hard wired vending machines as well as to cord and plug connected vending machines.
30.	Page 211 & 212	440.9	A wire type equipment grounding conductor is now required for outdoor HVAC
31.	Page 217 & 218	445.20	New GFCI requirements were added for portable generators and associated 125 volt, single phase, 15 or 20 amperes receptacles.
32.	Page 232	517.18(A)	All receptacles or the cover plate supplied from the critical branch are required to have distinctive color or marking so as to be readily identifiable. Marking is also to indicate the panel board and branch circuit number supplying them.
33.	Page 254 & 255	590.4(J)	Cable assemblies and flexible cords installed as branch circuits or feeders are now prohibited from being installed or laid on the floor or the ground for temporary installations such as constructions sites. (This does not include extension cords.)
34.	Page 258 & 259	600.6(A)(1)	Disconnect is required to be located at the point feeder(s) or branch circuit(s) supplying a sign or outline lighting system enters a sign enclosure or pole. This new language requires disconnection of all wiring where is enters the enclosure of the sign or pole.

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35.	Page 275	680.21(C)	All single phase, 120volt through 240 volt outlets supplying pool pump motors now require GFCI protection (regardless of ampacity).
36.	Page 278 & 279	680.22(A)(2)	Receptacles that provide power for pool pump motors located between 10ft and 6ft from the pool no longer are required to "employ a locking configuration."
37.	Page 280 & 281	680.22(B)(6)	Specific low voltage luminaires are now permitted to be installed within 5ft of the inside walls of permanently installed pools.
38.	Page 284 & 285	680.26(C)	The requirement for "bonding" of pool water has been revised.
39.	Page 286 & 287	680.42(B)	Equipotential bonding of perimeter surfaces is not required for outdoor spas and hot tubs with (4) specific conditions that must be meet.
40.	Page 299 & 300	690.12	New provisions were added for rapid shutdown of PV systems on buildings.
41.	Page 303	690.35(C)	Ground fault protection for ungrounded PV systems is required to be listed.
42.	Page 306 & 307	690.47(D)	An auxiliary grounding electrode system is required to be installed in accordance with 250.52 and 250.54 at all ground and pole mounted PV arrays and as close as practicable to roof mounted PV arrays.
43.	Page 334	728	New article entitled "Fire Resistive Cable Systems"