



# Errata for the IAEI 1999 NEC<sup>®</sup> Analysis

PAGE	SECTION NUMBER	CORRECTION	PAGE	SECTION NUMBER	CORRECTION
General		In some drawings, conduit threads appear to be shown as "left-hand" threads. All such drawings should be shown as standard "right-hand" threads.	36	210-23(a), Exception	In the quoted text of the exception, change "Section 210-11(a)(1),(2), and (3)" to read "Section 210-11(c)(1),(2), and (3)."
14	110-26(a)(2)	The first two sentences should be replaced with the following: "The wording in the first sentence of the second paragraph of Section 110-16(a) of the 1996 NEC <sup>®</sup> was relocated as the first sentence of Section 110-26(a)(2) and amended to read, "The width of the working space in front of the electric equipment shall be the width of the equipment or 30 in. (726 mm), whichever is greater.""	37	210-52(a)(2)	In the text block located in the drawing, add the words "or interior" between the words "exterior" and "walls" in the second line.
17	110-26(f)(1)(a)	Add "not" to the wording on the left side of the drawing to read, "Foreign systems not permitted in these areas."	38	210-52(b)(3)	In kitchens No. 1 and No. 2, delete the arrowhead from the red lines between receptacles.
18	110-26(f)(1)(a) and Exception	Add "not" between "AC" and "less" in the text block. The word "main" should be removed from the four switches on the right side of the switchboard.	42	210-52(g)	The receptacle symbols should be oriented so that the parallel lines are perpendicular to the wall.
19	110-26(f)(1)(b)	In the lower text block of the drawing, add "unless protection is provided to avoid damage from condensation, leaks or breaks in such foreign systems" following the wording "...dedicated space." Delete the term "main" from the four switches on the right side of the switchboard.	56	220-16(a), Exception	Remove arrowhead from the line between the lower receptacle and the receptacle on the island.
28	210-8(a)(2)	The drawing of the accessory building should be shown as a cutaway to indicate an inside receptacle.	61	225-19(d)	Delete the wording, "Individual ROC actions noted as follows:" at the bottom of the right column.
32	210-11(c)(3), Exception	Remove the black line with the arrow from the lighting outlet symbol pointing to the wall.	64	225-31	The line and arrowhead from "Feeder from Bldg. A..." should go to the horizontal line (raceway) between the buildings, not to the dirt.
			69	225-39	Add "Minimum 60 Amperes" adjacent to the circuit breaker in (d) in the diagram.
			75	230-40, Exception No. 5	The right arrow should point to the horizontal raceway from the CT can to the switch.
			78	230-46	Conductor splices or taps should be shown in the wireway.
			88	230-204	An isolating switch should be located at the building.

PAGE	SECTION NUMBER	CORRECTION	PAGE	SECTION NUMBER	CORRECTION
92	240-3(e)	Remove the ground symbol from the No. 8 tap conductor.	177	362-6	In the third sentence of the second paragraph, the wording "...conduits c and B shall not..." should be "...conduits A and B shall not..."
97	240-21	The wording "taping a tap" in the drawing should read "tapping a tap."	182	370-23(d)(2)	The "2" in the title of the drawing should have parentheses around it to read "Section 370-23(d)(2)"
100	240-21(b)(5)	The word "and" should be "end" in the second sentence. It will read "...required to be protected at supply end where..."	192	380-9(b)	The left arrow should point to the grounding terminal screw on the switch yoke instead of to the box.
101	240-21(c)	Add "(5) Secondary conductors from a feeder tapped transformer" to the drawing.	193	384-16(b)	The term "TTs" in the lower text block of the drawing should read "Its."
102	240-21(g)	The black line at the panelboard should extend to the circuit breaker symbol and there should be a gap between the line on both sides of the symbol.	199	400-8, Exception	The cord should exit from the end or bottom of the box, not the front cover.
105	240 Part H	Delete the word "not" in paragraph 3 of the drawing. It should read "...150 volts to ground and more than 300 volts..."	202	410-11	"Section 410-32" in the first paragraph should read "Section 410-31."
106	240-91	Change the word "have" to "has" and delete the word "not" in Section 240-91(3) to read, "The premises has at least one service that is more than 150 volts to ground and more than 300 volts phase-to-phase."	214	410-101(c)(9)	The showerhead should be below the blue horizontal line shown as the 8-foot height line.
130	300-3(b)	The upper horizontal line in the drawing should have "H" beside it.	231	430-87, Exception	In the lower text block, "equivalent LRH" should read "Equivalent LRA."
136	300-11(a)(2)	The red line at the upper right of the drawing should have an arrowhead.	238	450-13(b)	The word "enclosed" in the left text block should read "closed."
149	310-8(d)	In the text block in the drawing, the wording "...a type listed and marked..." should read "...a type listed or marked..."	244	460-8(c)(1)	The wording "overcurrent protection not shown" should be added just above the wiring to the second capacitor with an arrow pointing to that wiring.
158	318-11(b)(4)	The text at the bottom of the drawing should read: "2.15 x OD min."	251	500-3	The yellow square at the bottom of the drawing should be identified as "Division 2."
174	350-10(a)(2)	Replace the word "utilizing" in 2 a. with "utilization" to read "a. For utilization equipment, or..."	259	501-5(b)(2)	The top red arrow should point to the conduit bend rather than to the top of the building.
			263	501-16(a)	The arrow from the upper text block should point to the neutral bar in the panelboard on the machine shed. Also the run from that panel to the junction box should be shown as a raceway rather than a black line.

PAGE	SECTION NUMBER	CORRECTION	PAGE	SECTION NUMBER	CORRECTION
265	502-4(b), Exception No. 2	The word "rugs" in the drawing should read "rungs."			The fourth paragraph should read, "A combination pool/hot tub or spa assembly commonly bonded need not be protected by a ground-fault circuit interrupter."
282	517-18(a), Exception No. 3	The exhaust from the generator motor is not clearly shown.			In the FPN, add the word "for" between "and" and "packaged."
284	517-30(b)(6)	The exhaust from the generator motor is not clearly shown.			
287	517-160-(a)(5)	The wording "... requires for grounding conductor" in the drawing should read "...requires for grounded conductor."	382	695-3(b)(2)	Item No. 3 in the drawing should be changed to read, "3. On-site standby generator if approved by the AHJ per Section 90-4."
296	520-53(h)(5)	The arrow at the bottom left of the drawing should point to where the conductors emerge from the inside wall of the building.	384-385	695-4(b)	The numbered subheadings "1., 2., and 3" in the quoted Section 695-4(b) should be "a., b., and c."
303	525-18	The term "refrigerator" in the right text block below the drawing should read "refrigeration."	395	700-9(d)	The middle red arrow should point to the feeder circuit, shown as a gray line run to the EM branch circuit panel, rather than to the vertical yellow segment.
327	600-6	The term "Disconnects" in the title of the drawing should read "Disconnects."	402	725-61(d), Exception No. 3	The cables should have the same type of bend as they enter the cable tray.
331	600-42	Delete the material referencing Section 600-42(d). No change was made to the 1996 NEC® wording.	415	Division Page	Article 820 should read, "Community Antenna Television and Radio Distribution Systems."
332	604-6(a), Exception No. 3	The term "manufactured" in the top-left text block in the drawing should read "manufactured."	418	800-52(a)	The title for the drawing should read, "Section 800-52(a)" instead of "Section 820-52(a)." The text on the left above the top cable should read, "Communications cable"; the text beneath the top cable should read, "Low power network-powered broadband communications circuit"; and the text above the lower cable should read, "Communications conductors." The text above the horizontal lines at the lower left portion of the drawing should read, "Communications wires and cables."
340	620-22(a)	The word "spare" in the text block shown in the drawing should read "space."	423		The number on the margin of the page should read "820-52" rather than "850-52."
366	680-42	The first paragraph of the quoted Code text should read, "680-42. Protection. The outlet(s) that supplies: (a) A self-contained spa or hot tub, or (b) A packaged spa or hot tub equipment assembly, or (c) A field-assembled spa or hot tub with a heater load of 50 amperes or less shall be protected by a ground-fault circuit interrupter."	427	830-4	In the first sentence of the second paragraph, add the word "to" between "sources" and "a" to read "...power sources to a maximum..."