

2019 CRC –Single Family and Town House Plan Check Correction List

L39. Installed luminaires shall be classified as high-efficacy in accordance with TABLE 150.0-A . [150.0(k) 1A]

L40. Exhaust fans shall be switched separately from lighting systems. [150.0(k) 2B]

L41. Luminaires shall be switched with readily accessible controls that permit the luminaires to be manually switched ON and OFF. [150.0(k) 2C]

L42. In bathrooms, garages, laundry rooms, and utility rooms, at least one luminaire in each of these spaces shall be controlled by a vacancy sensor providing automatic off functionality. [150.0(k) 2I]

L43. Dimmers or vacancy sensors shall control all luminaires required to have light sources compliant with Reference Joint Appendix JA8 requirements for dimming and are not controlled by occupancy or vacancy sensors . [150.0(k) 2J]

EXCEPTION 1: Luminaires in closets less than 70 square feet.

EXCEPTION 2: Luminaires in hallways.

L44 A. In a low-rise multifamily residential building where the total interior common area in a single building equals 20 percent or less of the floor area, permanently installed lighting for the interior common areas in that building shall comply with Table 150.0-A and be controlled by an occupant sensor. [150.0(k) 6A]

L45. In a low-rise multifamily residential building where the total interior common area in a single building equals more than 20 percent of the floor area, permanently installed lighting in that building shall: [150.0(k) 6B]

L45.1. Comply with the applicable requirements in Sections 110.9, 130.0, 130.1, 140.6 and 141.0; and

L45.2. Lighting installed in corridors and stairwells shall be controlled by occupant sensors that reduce the lighting power in each space by at least 50 percent. The occupant sensors shall be capable of turning the light fully On and Off from all designed paths of ingress and egress.

L46. All recessed downlight luminaires in ceilings must be IC rated, airtight with air leakage less than 2.0CFM at 75 Pascals, and sealed. [150.0(k) 1C]

L47. For single family residential buildings outdoor lighting shall: [150.0(k) 3A]

L47.1. Controlled by a manual ON and OFF switch and also controlled by either:

L47.2. A photocell and either a motion sensor OR an automatic time switch control.

L47.3 An astronomical time clock control.

L48. For low-rise residential buildings with four or more dwelling units, any outdoor lighting for private patios, entrances, balconies, porches, and residential parking lots and carports with less than eight vehicles shall comply with either Section 150.0(k) 3A or Sections 110.9, 130.0, 130.2, 130.4, 140.7, and 141.0. [150.0(k) 3B]

O. ELECTRICAL

O1. Specify that Ground Circuit Interrupter (GFI) outlets shall be provided in bathrooms, garages, basements, crawl spaces, outside, sinks and at all kitchen counters and islands. [CEC 210.8(A)]

O2. Provide an electrical floor plan showing location of receptacle and lighting outlets. [CEC 210.52 & 210.70]

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- O3. Provide receptacles within 2 feet of kitchen sink and at 4 feet on-center at counters (12” or more in width) and islands. [CEC 210.52(C)]
- O4. Provide at least one outlet for island or peninsular counter space. [CEC 210.52(C) 2&3]
- O5. Provide panel schedule and load calculations in accordance with CEC Article 220.
- O6. A minimum 100 amp service panel is required for all one-family dwellings. [CEC 230.79(C)]
- O7. A minimum 60 amp service panel is required for all installations other than one-family dwelling. [CEC 230.79(D)]
- O8. Revise electrical plans to show receptacle outlets so that no point along the wall is further than 6 feet from an outlet. [CEC 210.52(A) (1)]
- O9. All power and lighting outlets in dwelling unit kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, laundry areas, or similar areas are to be protected by a “listed AFCI breaker” or other means as described in CEC 210.12(A). Bathrooms, and basements are exempt from this requirement. [CEC 210.12(A)]
- O10. Bathrooms and powder rooms are required to have at least one GFI receptacle outlet within 36 inches of each lavatory. [CEC 210.52(D)]
- O11. At least one outlet to be installed at the front and rear of each dwelling unit. [CEC 210.52(E)(1)]
- O12. An accessible receptacle outlet is required on balconies, decks, or porches that are attached to the dwelling units. The receptacle outlet shall not be located more than 6.5’ above the balcony, deck, or porch walking surface. [CEC 210.52(E) 3]
- O13. Hallways longer than 10 feet are required to have at least one receptacle outlet. [CEC 210.52(H)]
- O14. Lighting outlets are required in habitable rooms, bathroom, hallways, garages, and at exterior doors. Revise plans to show compliance. [CEC 210.70(A)]
- O15. Revise plans to show locations of light switches at both top and bottom of stairways. [CEC 210.70(A)(2)]
- O16. Provide a wall switch-controlled lighting outlet at all exterior doors with grade level access. [CEC 210.70(A)(2)]
- O17. All 15- and 20- ampere, 125- and 250-volt non-locking receptacles that are installed on the exterior of a dwelling unit and located in damp or wet locations, shall be listed as weather-resistant type. [CEC 406.9(A)&(B)]
- O18. Electrical panels or other over current devices, other than supplementary overcurrent protection, shall not be located in bathrooms. [CEC 230.70(A) (2) & 240.24E]
- O19. Individual dedicated circuits are required for all major appliances. The rating of an individual branch circuit shall not be less than the marked rating of the appliances or the marked rating of the appliances having combined loads as provided in 422.62. [CEC 210.11(C) & 422.10(A)]

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O20. There shall be a distribution panel in, and for, each apartment. Feeders for sub panels shall be enclosed in an approved raceway. [CEC 230.72 (C)]

O21. There shall be no more than six disconnecting means per service grouped in any one location without a main disconnect. [CEC 230.71]

O22. Show a concrete encased electrode (UFER ground) on the foundation plan, sized in accordance with Article 250.52A (3).

O23. Show location of bonding wire to metal water supply system, or ground rods. [CEC 250.52A (1) & (5)]