

## **INSPECTION AND ELECTRICAL CODE EDITIONS FOR ELEVATORS, DUMBWAITERS, ESCALATORS, AND MOVING WALKS WIRING AND EQUIPMENT**

Article 620 of the Los Angeles Electrical Code (LAEC) and California Electrical Code (CEC) covers the installation of electrical equipment and wiring used in conjunction with elevators, dumbwaiters, escalators and moving walks. Section 620.71 of the electrical code restricts access to the elevator, dumbwaiter, escalator, and moving walk machine rooms or spaces only to an authorized (elevator maintenance) personnel and Section 620.37 of the electrical code limits the wiring in elevator hoistways and machine rooms to that wiring directly concerned with the operation and safety of an elevator or dumbwaiter.

Article 620 does not specify the inspection authority for electrical installations in these "controlled" areas. Accordingly, Article 620 shall be interpreted to give the Elevator and Pressure Vessel Inspection Section jurisdictional responsibility for the inspection of electric wiring and equipment from the last (motor branch-circuit) short-circuit and ground-fault protective device of elevators, dumbwaiters, escalators and moving walks as depicted in figure 620.13 (2020 LAEC) single line diagram. Furthermore it is interpreted that Commercial Electrical inspectors are responsible for inspection and permitting of all wiring and equipment to the load side of the last branch-circuit short-circuit and ground-fault overcurrent protective devices.

The jurisdictional responsibility of both inspection groups will overlap on the last (motor branch-circuit) short circuit and ground-fault protections due to compliance with different requirements of the respective electrical codes.

A separate permit is required for wiring inspected by the Elevator inspectors and Commercial Electrical inspectors.

The California Code of Regulations, Title 8, Division 1, Chapter 4, Subchapter 6, Group IV, Article 41, Section 3141.7(a)(3) of Elevator Safety Orders as adopted by the 2020 Los Angeles Elevator Code section 92.0202, requires that the wiring and equipment inspected by the Elevator inspectors to comply with 2019 CEC (the 2017 National Electrical Code with the State amendments). The wiring and equipment inspected by the Commercial Electrical inspectors are required to comply with the 2020 LAEC.

The installation of electric wiring or elevator equipment without first obtaining the required permits is subject to an investigation fee in accordance with Section 98.0402 of the Los Angeles Municipal Code (General Administrative Provisions).