



CITY OF MERCED

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CALIFORNIA ELECTRICAL CODE MSP SURGE-PROTECTIVE DEVICE (SPD) CHANGE FOR 2023 PERMITS

DATE: January 27, 2023
TO: Electrical Contractors and Residential Builders
FROM: Denise Frazier, Chief Building Official
SUBJECT: 2022 California Electrical Code Surge-protective device (SPD) Changes

Please be aware that there are two (2) changes to the California Electrical Code that will effect the installation of new services and service replacements. Per CEC article 230.67 all services supplying dwelling units shall be provided with a surge-protective device (SPD). The SPD shall be an integral part of the service equipment or shall be located immediately adjacent thereto. The SPD shall be Type 1 or Type 2, both of which are to be hard-wired, and the requirement applies to both new service installations and replacements.

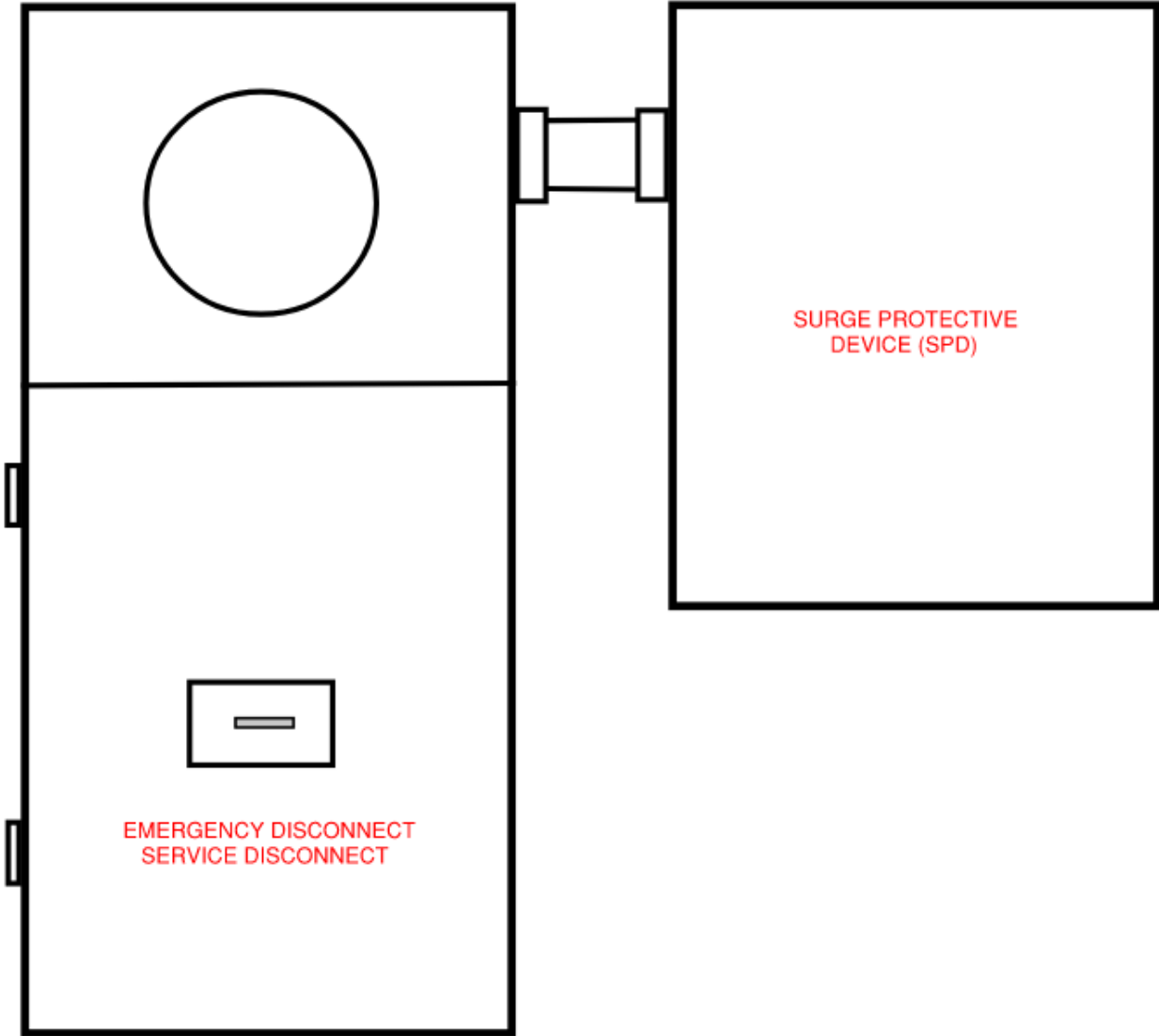
Per article 230.85, the CEC requires an emergency disconnect for one- and two-family dwelling units; all service conductors shall terminate in disconnecting means having a short-circuit rating equal to or greater than the available fault current, installed in a readily accessible outdoor location. If more than one disconnect is provided, they shall be grouped. Each disconnect shall be one of the following:

- (1) Service disconnects marked as follows:
EMERGENCY DISCONNECT,
SERVICE DISCONNECT
- (2) Meter disconnects installed per 230.82(3) and marked as follows:
EMERGENCY DISCONNECT,
METER DISCONNECT,
NOT SERVICE EQUIPMENT
- (3) Other listed disconnect switches or circuit breakers on the supply side of each service disconnect that are suitable for use as service equipment and marked as follows:
EMERGENCY DISCONNECT,
NOT SERVICE EQUIPMENT

Markings shall comply with 110.21(B).

These changes are to be in affect as of 01/01/2023 and will be enforced by the local AHJ.

SURGE PROTECTIVE DEVICE ADJACENT TO SERVICE



INTERGRATED SURGE PROTECTIVE DEVICE

