

NEC 2020 CODE CHANGES

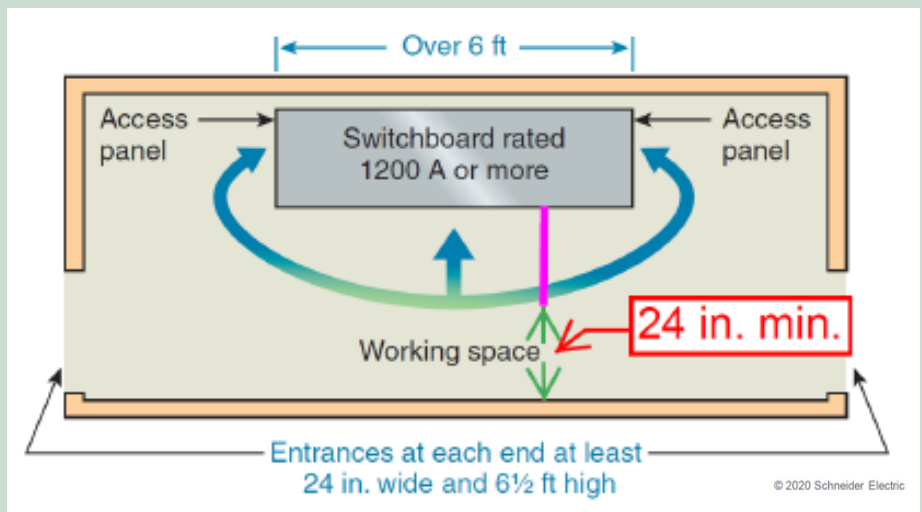
Starting January 1, 2023, California will adopt the 2020 NEC

110.22 Identification of Disconnecting Means, Requirements for Electrical installations:

- (A) General: The marking of equipment to indicate where it is fed from is now code required.

110.26(C)(2) Spaces About Electrical Equipment:

- "Large equipment" now includes multiple service disconnecting means where the combined ampere rating is 1200A or more and over 1.8m (6ft) wide.
- For large equipment, the open equipment doors shall not impede the entry to or egress from the working space.



220.12 Lighting Loads for Non-Dwelling Occupancies:

Table 220.12 General Lighting Loads by Non-Dwelling Occupancy

Type of Occupancy	Unit Load	
	Volt-amperes/m ²	Volt-amperes/ft ²
Manufacturing facility ^c	24	2.2
Motion picture theater	17	1.6
Museum	17	1.6
Office ^d	14	1.3
Parking garage ^e	3	0.3
Penitentiary	13	1.2
Performing arts theater	16	1.5
Police station	14	1.3
Post office	17	1.6
Religious facility	24	2.2
Restaurant ^f	16	1.5

© 2020 Schneider Electric

445.18(C) Remote Emergency Shutdown:

- Generators with greater than 15KW rating shall be provided with a remote emergency stop switch (EPO) to shut down the prime mover.
- EPO must be located outside of generator room/enclosure.
- Generators to have lockable disconnecting means.

706 Energy Storage Systems:

- Required by energy code now (see T24 memo).
- Have to be listed.
- Disconnect must be provided as part of the connection to the unit.

210.8 Ground-Fault Circuit-Interrupter (GFCI):

- All kitchen receptacles shall be GFCI now, not just receptacles within 6ft of a sink.
- GFCI needed for all receptacles serving HVAC equipment - even indoors.
- GFCI needed for electric dryers (210.8(A)(10)) and vending machines (210.8(D)).
- See below table denoting which areas/pieces of equipment now require GFCI:



Areas that need GFCI (Other Than Dwelling Units):

General Note:

All 125V - 250V receptacles.

Branch circuit 150V, 1-phase, 50A or less

Branch circuit 150V, 3-phase, 100A or less

Locations	Notes
Bathrooms, rooftops, outdoors, sinks (6ft), locker rooms, crawl space at or below grade level, unfinished areas of basements	GFCI Required
Kitchens	Also includes areas with a sink and permanent provision for either food preparation or cooking (i.e. ice cream shop)
Indoor damp and wet locations	Damp locations were added to the latest code
Garages, accessory buildings, service bays, and similar areas	Accessory buildings were added to the latest code
Laundry units	New!
Bathtub and shower stalls (6ft)	New!

Appliances that need GFCI (Other Than Dwelling Units):

Locations	Notes
Drinking water coolers and bottle fill stations	Bottle fill stations are new to the latest code
Sump pumps, dishwashers, vending machines	New!
Service receptacles	GFCI receptacles are required in the same room for indoor HVAC and electrical equipment