

Electrical Room Layouts (600 V or less)

- One door at each end is required for rooms containing equipment operating at greater than 1200A and greater than 6 ft. wide. Also, personnel doors must have panic bars.
- If an unobstructed exit is available, a single entrance is permitted.
- If a working space is twice that required by 110.26 (A) (1), a single entrance is permitted.
- Minimal headroom in electrical room is 6½ ft.
- All live parts operating at greater than 50 V shall be guarded against accidental contact. (110.27)
- Over 600 V – See 110.30

Ground Fault Interruption protection

Protection of branch circuits for personnel safety (Section 210.8):

In dwelling units, provide protection for branch circuits serving the following:

- (1) Bathrooms, where readily accessible
- (2) Garages, and accessory buildings below grade
- (3) Outdoors, where readily accessible
- (4) Crawl spaces, at or below grade
- (5) Unfinished basements, where readily accessible (not required for burglar alarms)
- (6) Countertops in kitchens
- (7) Countertops within 6 ft. of wet bar sinks
- (8) Boat houses

For non-dwelling buildings, provide protection for branch circuits serving the following:

- (1) Bathrooms
- (2) Rooftops
- (3) Kitchens

NOTE: For ground fault protection of equipment – see 230.95.