

TWO & MULTI-FAMILY DWELLINGS ELECTRICAL PERMIT APPLICATION AND INSTALLATION REQUIREMENTS

Note: Paragraphs 1 & 2 apply only to dwelling units designed, constructed or configured in a manner suitable for individual ownership.

1. Feeder, branch circuit and communications wiring shall serve the dwelling unit(s) in which it is installed.
2. Conductors supplying multiple units may be routed under slab, below exterior grade, on the exterior of the structure or within common areas of the structure where not prohibited by codes or regulations.
3. Conductors penetrating fire walls of adjoined buildings as defined in NEC 100 shall be installed in compliance with Article 225.
4. Disconnecting means are required either inside or outside nearest the point of feeder entrance to each unit per NEC 225.31 & 225.32. This also applies where the point of entrance is remote from the feeder disconnect or where the service is not attached to the building served. (i.e. pedestal mounted) Where multiple feeder disconnecting means are capable of being locked with a single lock, a readily accessible feeder disconnect shall be installed at or within each unit.
5. Bonding and grounding of services shall be in accordance with Article 250. Where dwelling units are separated by fire walls, NEC 250.104(A)(3) shall also apply. Where a common service is installed, each metallic domestic water service pipe shall be bonded to the grounding electrode conductor. The grounding electrode conductor(s) shall be connected to the grounded service conductor(s) at the meter bank or main disconnect enclosure, NEC 250.24, 250.50, 250.64(D).
6. Load calculations in accordance with NEC 220 and a one line feeder riser diagram shall be provided with each permit application. The diagram shall include the following details:
 - a. service lateral or service entrance conductor size
 - b. amp rating of meter pack bus
 - c. amp rating of service main breaker (if installed)
 - d. amp rating of branch feeder breakers
 - e. conductor size and type of branch feeders
 - f. grounding electrode conductor size and connections
 - g. proposed feeder routing