

SECTION XX105—PARKING REQUIREMENTS

XX105.1 On-site parking. Where shared on-site parking is provided for new *dwelling units* in new *multiplex* buildings, 20% of spaces provided shall be *electric vehicle ready parking spaces* (*EV ready parking spaces*). Calculations shall be rounded up to the nearest whole number.

Exception: *EV ready parking spaces* are not required to be provided where there is no public utility or commercial power supply.

XX105.2 Electric vehicle charging infrastructure. A minimum of 40-ampere dedicated 208/240-volt branch circuit shall be installed for each *EV ready parking space*. The branch circuits shall terminate at a receptacle outlet or *EVSE* in close proximity to the proposed location of the *EV ready parking space*.

Electric vehicle charging infrastructure shall be permitted to be designed and installed such that *electric vehicle supply equipment* (*EVSE*) or future *EVSE* can serve multiple adjacent spaces with multiple output connections.

XX105.3 Electric vehicle charging infrastructure for accessible parking spaces. Where *accessible* parking spaces are required, electric vehicle charging infrastructure shall be provided for *accessible* parking spaces in accordance with Table XX105.3. *Accessible* spaces provided with electric vehicle charging infrastructure to meet the requirements of Table XX105.3 shall be permitted to count towards the requirements of XX105.1. Electrical vehicle charging infrastructure serving *accessible* parking spaces shall be permitted to be designed to serve adjacent *automobile parking spaces* that are not designated as *accessible* parking.

TABLE XX105.3

Electric vehicle charging infrastructure for accessible parking spaces.

Required Minimum Number of Accessible Spaces	Required level of electric vehicle charging infrastructure
1	<i>EV ready space</i>
2	<i>EV ready space</i>

XX105.4 Electrical room(s) and equipment. Electrical room(s) or areas for dedicated electrical equipment shall be sized to accommodate the requirements of Section XX105.2.

The electrical service and the electrical system, including any on-site distribution transformer(s), shall have sufficient capacity to simultaneously charge all electric vehicles at all required *EV ready parking spaces* at a minimum of 40-amperes each.

EXCEPTION: An *Automatic Load Management System (ALMS)* is permitted to be used to adjust the maximum electrical capacity required for the *EV ready parking spaces*. The *ALMS* must be designed to allocate charging capacity among multiple future *EVSE* at a minimum of 16 amperes per *EVSE*.