

SECTION V
SERVICE EQUIPMENT

1. GENERAL

Each service entrance is to be provided with disconnecting means and overcurrent protection. The service equipment may consist of one, but not more than six disconnects grouped at a readily accessible point near the entrance of the service conductors. Where more than six subdivisions of the service are desired, a main service disconnect is required and must be located before the meters.

The service equipment shall be installed in clean, dry, readily accessible location as near practical to the point of service termination. The depth of the working space in the direction of live parts shall not be less than 3 feet. When the nominal voltage to ground exceeds 151-volts, the minimum clear distance can vary up to 4 feet as required by National Electric Code (NEC), Article 110.

All service equipment shall be approved by the authorities having jurisdiction over the same. In addition, all service end boxes, current transformer cabinets and meter mounting equipment shall be approved by Con Edison. For installations of customer's service equipment having a total rating in excess of 800 amperes, the customer shall submit drawings of the proposed service equipment to ascertain that it is in compliance with the company's requirements as to service end boxes and metering arrangements. A list of Con Edison approved equipment is given in Section XIV entitled "Approved Electric Service Equipment".

Upon written request, the company will determine the short circuit current available from its system at the point of service termination.

Connections made ahead of the main service equipment for fire pumps, exit lights, control power for circuit breakers, etc., shall be provided with disconnecting means and overcurrent protection adequate for the connected load. Such connections shall be made only where specifically approved by the company and the authorities having jurisdiction, and may require an additional meter.

The customer is to install service equipment which meets the following requirements:

- a. A voltage rating suitable to the service.
- b. An ampere rating which is adequate for the initial and anticipated future load current requirements. The device shall be capable of interrupting load current equal to its ampere rating.
- c. A short circuit current interruption capability at values specified by the company.

It is recommended that any under voltage tripping devices required by the customer be arranged to trip individual feeder circuits rather than the main breaker.