

EXHIBIT 100.1 An example of a busway and of switches considered accessible even if located above the 6-feet 7-inch maximum height of the switch handle specified in 404.8(A).

Wiring methods located behind removable panels designed to allow access are not considered permanently enclosed and are considered exposed (as applied to wiring methods). Exhibit 100.2 is an example of wiring methods and equipment that are considered accessible despite being located above a suspended ceiling.

See also

300.4(C) regarding cables located in spaces behind accessible panels

Accessible, Readily. (Readily Accessible) Capable of being reached quickly for operation, renewal, or inspections without requiring those to whom ready access is requisite to take actions such as to use tools (other than keys), to climb over or under, to remove obstacles, or to resort to portable ladders, and so forth. (CMP-1)

Informational Note: Use of keys is a common practice under controlled or supervised conditions and a common alternative to the ready access requirements under such supervised conditions as provided elsewhere in the *NEC*.

Locks are commonly used on electrical equipment and electrical equipment rooms to keep unauthorized persons away from electrical hazards and to prevent tampering. The definition of *readily accessible* does not preclude the use of locks on service equipment doors or doors of rooms containing service equipment, provided a key or lock combination is available to those for whom

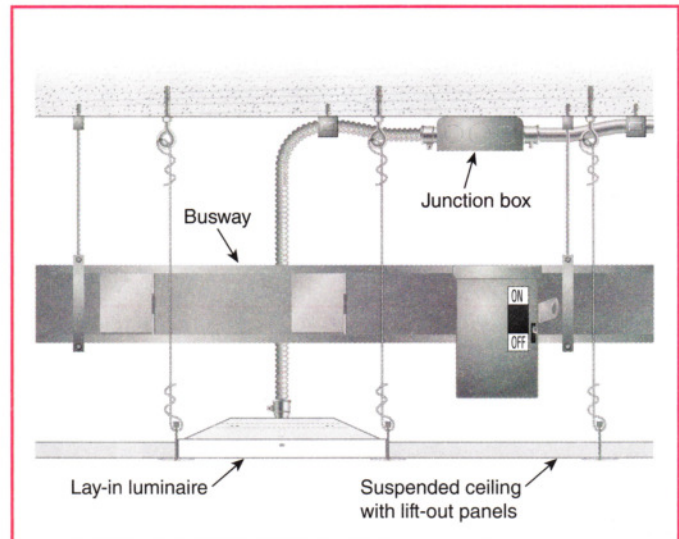


EXHIBIT 100.2 An example of an accessible busway and junction box located above hung ceilings with lift-out panels.

ready access is necessary. If a tool is necessary to gain access, the equipment is not readily accessible.

Sections 230.70(A)(1) and 235.352(A) require service disconnecting means to be readily accessible. However, 235.352(A) permits a mechanical linkage or, in multibuilding industrial installations under single management, a remote-control device in a separate building or structure to provide an equivalent to access.

Adapter. A device used to adapt a circuit from one configuration of an attachment plug or receptacle to another configuration with the same current rating. (520) (CMP-15)

Adjustable Speed Drive. Power conversion equipment that provides a means of adjusting the speed of an electric motor. (CMP-11)

Informational Note: A variable frequency drive is one type of electronic adjustable speed drive that controls the rotational speed of an ac electric motor by controlling the frequency and voltage of the electrical power supplied to the motor.

Adjustable Speed Drive System. A combination of an adjustable speed drive, its associated motor(s), and auxiliary equipment. (CMP-11)

Aircraft Painting Hangar. An aircraft hangar constructed for the express purpose of spraying, coating, and/or dipping applications and provided with dedicated ventilation supply and exhaust. (CMP-14)

Alternate Power Source. One or more generator sets, or battery systems where permitted, intended to provide power during the interruption of the normal electrical service; or the public utility electrical service intended to provide power during interruption of service normally provided by the generating facilities on the premises. [99:3.3.4] (517) (CMP-15)