

SECTION 16170

CIRCUIT AND MOTOR DISCONNECTS

Part 1 -Design Directives

The engineer shall ensure that mechanical rooms are designed so as to allow clear working space in front of circuit and motor disconnect switches as required by NEC article 110-34. This detail is a constant issue at the college and is the number one violation cited by the local and state electrical inspectors requiring rework of the electrical installation.

All switches shall have provisions for padlocking the device in the open position

All switches shall be procured with a "heavy duty" rating

Part 2 -Products

Cutler Hammer
GE
Square D

Part 3 -Execution

Mounting Requirements: The disconnect switch shall be mounted plumb and rigidly installed to the building surface without distorting or warping of the enclosure. Support shall be provided using the approved means detailed in section 16190