

SECTION 16050

BASIC ELECTRIC MATERIALS AND METHODS

Part 1 -Design Directives

The list of approved manufactures supplied by the college has been prepared with input from many constituents. The products specified are selected based on many different criteria and deviations from the list are not desired. If the products specified cannot work or are not available a substitution will be considered. The engineer or contractor must submit their request on the Dartmouth College Variance Request Form and supply all the information necessary to evaluate the submitted product in a clear and legible format. The college reserves the right to accept or reject any alternate to the materials specified on the approved vendors list.

Part 2 -Products

All products and assemblies shall be UL listed for the application.

Special material requirements are stated in the products section of this document.

Part 3 -Execution

The contractor shall be instructed that the college will actively inspect all aspects of the electrical installation throughout the construction process. The FO&M electrical foreman or designee will tour the site with the contractor once each week to check the progress of the project. Hold points shall be established in the process so that a representative from the FO&M engineering office can inspect equipment connections, wire and conduit size as well as workmanship issues. Inspections shall be performed on the following equipment before the covers are installed and prior to initial energizing:

Separately derived systems such as transformers, generators and uninterruptible power supplies

High voltage loop switches (when wired by the contractor)

Main Distribution switchboards

Fire alarm panels

Lighting control and dimming panels

Building Management Control Panels

Automatic transfer switches

Requests for inspections shall be made to the project manager no later than three business days before the inspection is required. The equipment shall be completely connected and all access covers shall be removed before an inspection can be performed. These owner inspections do not take the place of inspections required by the building permit in the town of Hanover, NH.