The following information shall be included in specifications prepared for use on all University of Cincinnati construction and renovation projects. This information is supplemental and not intended to be a complete specification.

**GENERAL STANDARDS**

**General Criteria**

Alternate Power Sources - The University of Cincinnati Master Plan provides for connecting groups of buildings with parallel power circuits so that electric power supply to a building can be obtained from alternate sources. Where the interruption of electrical supply to a building would result in hazard to life or property, or major loss of research or equipment, provision shall be made for an emergency supply of power, to be used in the event of failure of the normal supply.

Details of the plans as they apply to the project shall be explained and included in the early Design Development submittal and conferences. If tie-in on an existing circuit or feeder is not practical, provision shall be made for the future. Reliable equipment and transfer switch must be specified.

Emergency Standby Equipment Systems - An emergency system/standby power source must be designed. It must be supplied by an engine generator.

► Exception: Tapping ahead of the main disconnect switch as an emergency means of power is not permitted except as a subservice for maintenance purposes.

Emergency Generators

Emergency generator drives may not be naturally aspirated gas engines. When emergency generators are specified, the Associate must include requirements for demonstrated load tests by a factory representative. Any generator over 400 kW will have paralleling controls and equipment installed on the unit.

Emergency Lighting

When an emergency lighting or generator system is provided, emergency lights will be included at the generator, in all mechanical equipment spaces, and in electric transformer and switchgear spaces.

Emergency Panelboards

An emergency panelboard shall be provided for: Exit lights, Minimal hallway and stairway lighting and telephone power, Fire alarms, building security equipment, and fire protection systems & Elevators, when required by the International Building Code (IBC)

Emergency Lighting

Wiring for emergency systems shall be in separate conduits. Switches for emergency lighting circuits shall not be accessible to the public.
PRODUCT STANDARDS
(No Standards for this Section)

EXECUTION STANDARDS
(No Standards for this Section)

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