

Williams College

'62 Center for Theatre & Dance



Electrical Systems Executive Summary

The electrical distribution system of the building is serviced by two 1500kva transformers, fed through the Williams College campus-wide distribution system. 480/277v and 208Y/120v systems run throughout the building, powering an extensive array of mechanical and lighting loads in the theatrical and back-of-house spaces. In the event of power failure, a 100kw diesel emergency generator kicks on for powering emergency lighting throughout the building.

The lighting loads that need to be serviced by the electrical distribution system are primarily fluorescent and incandescent halogen. These lighting systems are all connected to a main building automation system which controls an automated time clock for shutting off the main building lighting through the use of relay panels.

There is a heavy use of communications systems throughout the building, including data, voice, audio/visual, active fire protection, and smoke detection. An intense grid of communication wires is necessary within the theatrical spaces throughout the building due to the amount of audio/visual equipment in these spaces.

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Lighting/Electrical Option
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