

A New Power Plant for a Medical School

Baumes-McDevitt Company
Consulting Engineers
Saint Louis, Missouri



Exterior of Euclid Avenue Power and Service Station of Washington University School of Medicine, St. Louis, Mo. In the rear, the thirteen-story McMillan Hospital, one of a number of hospital buildings covering approximately eight blocks, served by the Station.

FOUNDED about seventy-five years ago, the Washington University School of Medicine has grown to be one of the largest and best known institutions of its kind in this country. In addition to the School of Medicine, there are various hospital units, including a School for Nurses and the Shriners' Hospital for Crippled Children, in this group. The institution is ideally located where South Kingshighway and Euclid Avenue meet, directly across the boulevard from Forest Park.

Long ago the trustees recognized the importance of a reliable independent source of electrical energy and steam for heating. Consequently, there has been a steady increase of these facilities to keep

THE EUCLID AVENUE POWER AND SERVICE STATION OF THE WASHINGTON UNIVERSITY SCHOOL OF MEDICINE, SAINT LOUIS, MISSOURI

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up with the natural growth of the institutions. In 1930, with the addition of several new buildings and the demand for additional equipment for research work, it was decided to rebuild the power and service station and install new and up-to-date machinery, replacing the old equipment which had served since about 1912.

Baumes-McDevitt Company, Consulting Engineers, of Saint Louis, were retained to make a study of the situation and report

on the best procedure. After making their recommendations, this firm was employed to draw up designs, write specifications, and supervise the installation of the new apparatus.

The principal additions included: four 550-hp. multi-drum boilers, with chain-grate stokers, forced draft fans, coal and ash handling equipment, boiler feed pumps and all auxiliary equipment; a 1250-kw. non-condensing turbo-alternator; switchboard; three 80,000-