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RELEASE ON RECEIPT

REGINA, MARCH 9 - A central heating and air conditioning plant of unusual design will be erected at the University of Saskatchewan, Regina Campus.

The building, which is to be started this spring, will be an A frame structure with both end walls entirely of glass. The stacks for the boilers and the cooling towers for air conditioning will be concentrated along the apex of the structure and will be concealed from view by louvers. The intention is to erect a heating and air conditioning plant that is pleasing to the eye as well as functional. The structure is expected to be in use by the spring of 1966.

The engineering consultants for the project are H.H. Angus and Associates, Toronto. Clifford Wiens, of Regina, designed the building. Mr. Wiens described the structure as the "Mechanical heart of the new campus." He said it has been designed so as to portray the fact that it is the source of heat and air conditioning for the entire campus. It will be surrounded by a hearth of crushed stone which, besides being symbolic, will have the practical effect of isolating the plant from pedestrian traffic. The use of the A frame design rather than the conventional plan for this type of structure is expected to be superior from the point of view of maintenance and the provision of adequate roof drainage.

The structure will be divided into five sections called bays, four of which will be built immediately and the fifth added as needed. One will house administrative facilities such as the chief engineer's office and the electrical switch room. The other four will contain the boilers and cooling equipment. Two boilers will be installed initially with a third expected by 1970, and a fourth in 1975, when the final bay is added and the plant reaches its ultimate capacity.

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REGINA CAMPUS HEATING PLANT - 2

The campus heating distribution system will use high pressure steam circulated through underground conduits. For air conditioning the various buildings, chilled water will be distributed from the central plant through underground mains.

The beams and roof deck of the building will be of pre-cast concrete. For the roof, louvers and window frames it is proposed to use a new type of steel that rusts to a dark brown color in about two years, and provides an attractive, durable and maintenance free surface. This material was chosen because it will maintain its dark, brown color despite high humidity from the cooling towers and corrosive fumes from the smoke stacks.