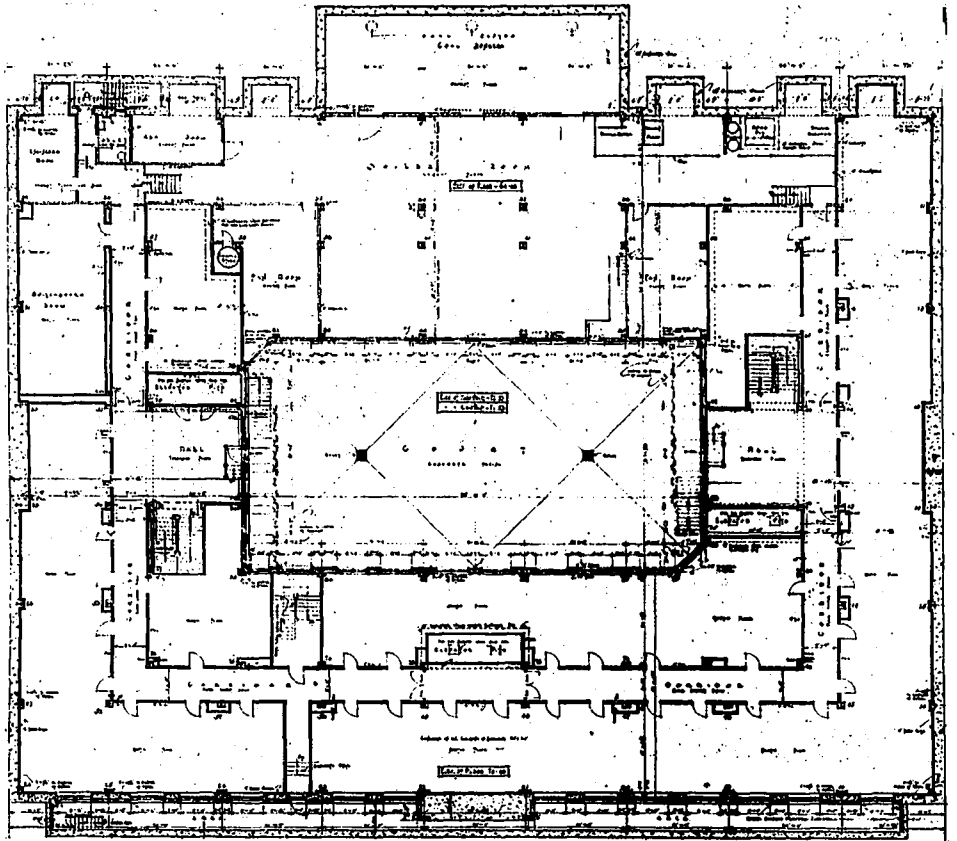


of the most up-to-date method is provided, and the building is lighted throughout by electricity and heated by steam, the direct and indirect method being adopted owing to the exposed position of the building.

The assembly hall and all halls and corridors are finished in quartered oak, and a large and commodious stage is provided in the assembly hall together with all required exits, etc.

Owing to the high cost of materials and labor, everything has been considered with a view to economy as far as possible without loss of efficiency, or the fact that the building is the central feature of the most important Dominion Government Educational Institution in Canada.



BASEMENT PLAN, HUNTER BUILDING, OTTAWA, ONT.

Rustless Steel

The "Scientific American," in describing a new kind of rustless steel, states that the new metal, with a bright surface and able to resist the corroding effect of air, water and acids without staining, was discovered just prior to the outbreak of the war, and was immediately commandeered by the British Government for use in airplane construction and for purposes where strength and durability, combined with rust-resisting qualities, were invaluable.

The steel is a Sheffield invention, and was chanced upon largely by accident. A local metallurgist, Mr. Harry Brearly, author of numerous standard works, was experimenting in the armament shop to find a means of preventing erosion in gun tubes. After some of his experiments he noticed that certain pieces of chrome steel had not suffered from corrosive influences under conditions which would have rusted ordinary steel. He followed up this clue, and

what is known as stainless steel was eventually worked out and added to Sheffield's metallurgical triumphs.

A by-law for a new bridge to be erected over the Grand River has been carried by the rate-payers of Brantford, Ont. The structure will cost \$211,000.



CORRIDOR AND ELEVATORS, HUNTER BUILDING, OTTAWA, ONT.