



## Concrete Pumped to New Heights

The site size was an important consideration as it was small and tight. Vehicular access was very restricted and there was no room for delivery and storage of large quantities of structural material. The choice of reinforced concrete allowed the flexibility of establishing an off-site concrete pumping station. Being able to pump concrete across (under) Adelaide Street and straight to the pour site also took the pressure off equipment requirements on the site. PCL Constructors Eastern Ltd. needed three materials-handling cranes onsite but they had room for only two. By not having to handle structural materials onsite, two cranes were adequate.

A custom-made pump delivered material at a rate of 120 m<sup>3</sup>/hour to the lower floors and about 30 m<sup>3</sup>/hour to the top. Concrete was pumped to a height of 275m for the first time in Canada.

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► Epoxy coated rebar was used in the six-level underground public garage.

