

# **Breadth**

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## **Construction Management**

Speed of erection is important for the PWC building, because it must be completed before successive buildings in the BARCODE strip can be continued. Although an all steel structure is faster to erect than an all concrete solution, it will not be as fast as the existing prefabricated structure. A comparison study will be conducted whether the savings made by change in structure are outweighed by increased construction time. Determination of cost and schedule of the new structural system will be estimated using RS Means 2007. A sequencing schedule will also be conducted in Primavera. Although these values obtained will not provide for direct comparison with existing conditions, it will provide an indication as to whether the proposed design can provide cost savings.

## **Architecture**

A change in the structural system will potentially incur changes to the façade and floor plans. Any alterations made to the façade will attempt to keep the existing architectural expression in tact. The goal is to keep the simple defined form and maintain an expression of transparency and technological sophistication. The importance of the PWC building as a unique entity in the BARCODE strip as a whole is also critical. The rules and regulations defined by zoning will have to be studied, such that any alterations conform within the guidelines.