



RSIO



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Case History Report

OFFICE TOWER

The reinforced concrete Scotia Plaza is one of the world's tallest "tube" structures.



Scotia Plaza

Reinforced Concrete Reaches for the Sky:

Proven concrete technology and advanced construction techniques used in the Scotia Plaza project have confirmed that the sky is the limit in how high you can go with cast-in-place reinforced concrete buildings.

When the finishing touches are added to the 68-storey Scotia Plaza bank tower in downtown Toronto this summer, it will be the world's tallest reinforced concrete tube structure. Or maybe the second tallest; nobody seems to be absolutely clear about it.

Reinforced Concrete – the Economical Solution:

Eight different building systems were studied and costed in detail for this distinctive \$400-million-plus tower, clad in striking red granite. The study ultimately pointed to reinforced concrete as the most economical and the best structural material to satisfy all of the important considerations of the owners and contractors.

Reinforced concrete has traditionally been recognized as the most cost-effective structural material to carry vertical loads, a fact that is not diminished even when the loads are spread over 68 storeys.

In a reinforced concrete pneumatic tube structure, the exterior "tube" provides the necessary strength and rigidity and carries 40% of the vertical weight of the building and contents.

