

# COMPRESSION TRUSS SYSTEM

A compression truss system is comprised of a vertical steel column, horizontal spars, and tension cables. The parabolic shape gives the system the unique look with the advantage of not imposing tensile loads into the structure above or below.

Queen Richmond Centre West  
(Toronto, ON)

## System Details

- Vertical compression truss systems don't necessarily impose dead loads onto the structure above (all loads can be carried by the structure below).
- Wind loads are carried more or less equally into the structure above and below.
- Vertical stainless steel (or painted mild steel) columns extend the full height of the opening.
- Glass may be clamped at the corners or fixed with spider fittings.
- The system can accommodate monolithic glass or sealed glass units.
- Tension cables are fixed to the spars in opposing parabolic curves.
- A dead load cable often extends down the inside face of the glass if the loads can be carried by the structure above.

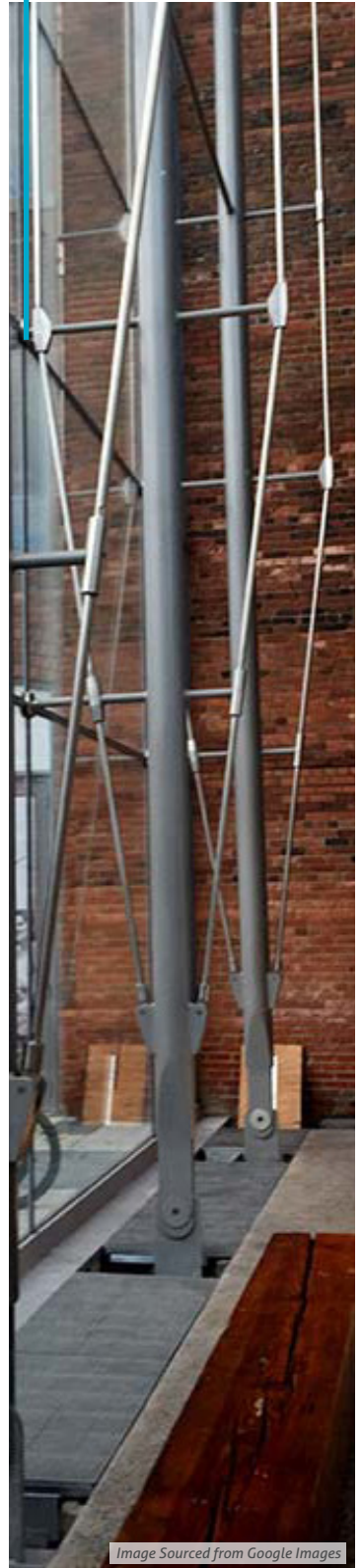
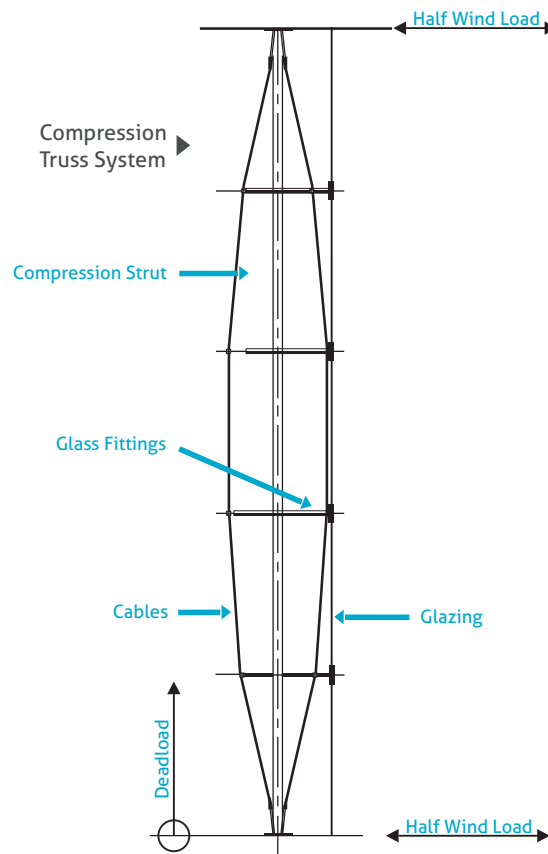


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