

Water Tower for G.K.N. Group Research Centre

Architects
Architects Design Partnership

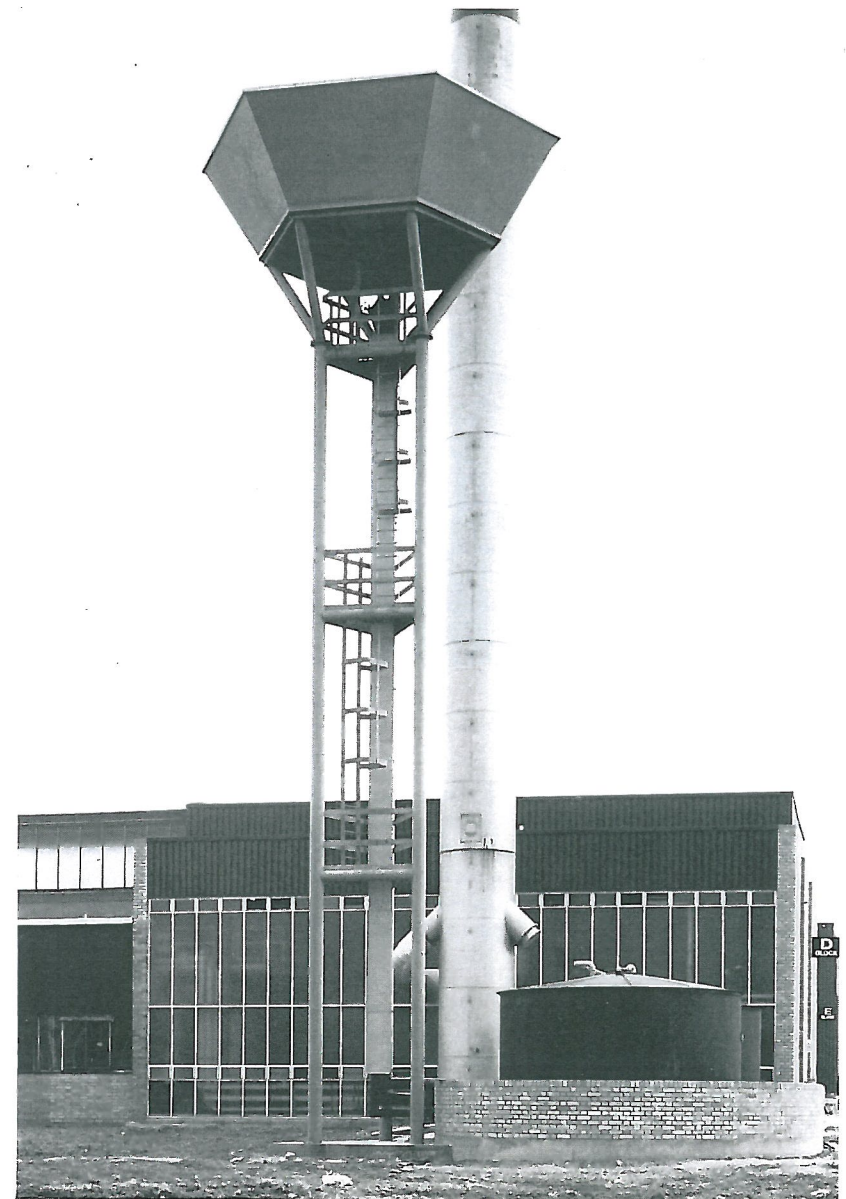
Structural Engineers
Frederick J. Brand & Partners

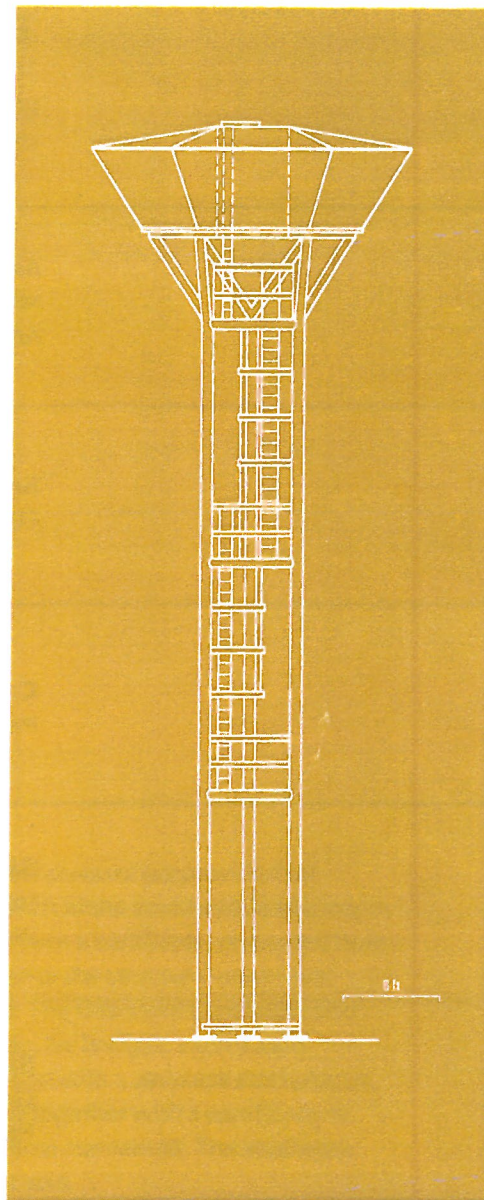
Steelwork Contractor
H. J. Horswell & Son Ltd

Main Contractor
Sir Alfred McAlpine & Son Ltd

Judges comments

This 60ft tower, basically functional, demonstrates well how steelwork may be used both economically and to good visual effect. The whole concept, with its three legged support of tubular construction, light cat-ladders and open mesh landings and the clean lines of the all-welded water tank of hexagonal shape shows a refreshing approach to the design of a type of structure which is so often treated in a mundane manner.





Description

A 5000 gallon hexagonal water tank is supported by a 60ft tower consisting of 3 legs each from 9 $\frac{3}{8}$ in o/d circular hollow sections. Floors and walls of the tank are $\frac{5}{16}$ in thick mild steel plate and the roof is $\frac{1}{2}$ in thick. The tank was fabricated in two halves which were bolted and welded on site before being lifted into position. The central hexagonal access space contains control panels, an inspection door and a sealed bulkhead.

The structure is supported by a piled foundation.

