

Client:

North Sydney City Council

Design & Construction By:

Tension Span Structures Pty Ltd

Project Location:

Sydney, NSW, Australia

Project Size:

2,500 sq.m (26,900 sq.ft)

North Sydney Air Structure

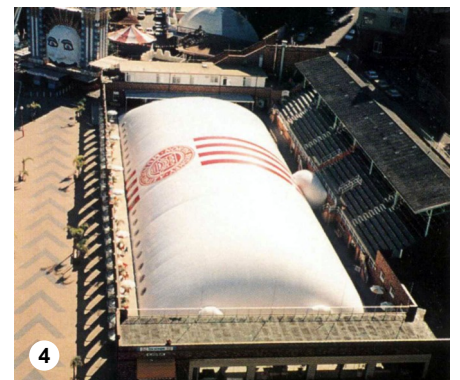
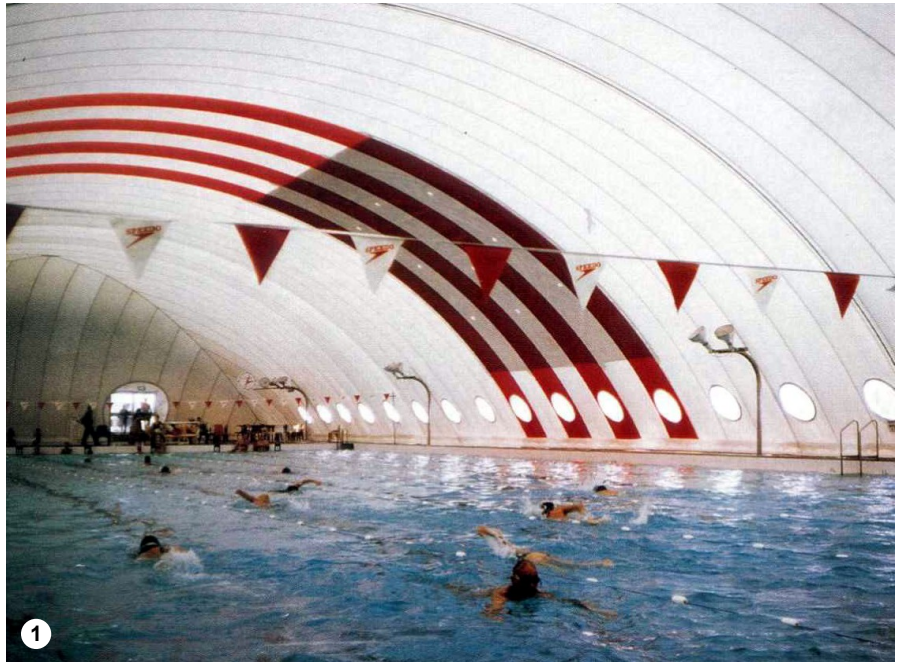
North Sydney Olympic Pool installed a new air inflated removable enclosure in May 1987. The curved red and white membrane provides winter protection for the 50 metre Olympic Pool, Toddlers Pool and is removable for the summer.

Designed to withstand 42m/sec wind load, the air structure has a clear span of 26.5m x 66m long and an overall height of 8.5m (restricted to meet local grandstand view lines).

Fabric used was Seaman 8032 Acrylic coated PVC-Polyester with enhanced abrasion resistance for handling the wear and tear of annual removal and re-installation.

The membrane was originally given a 10 year life expectancy, but recent inspection shows that the fabric is in exceptionally good condition – the red stripes still bright; with negligible mould or wicking growth on the white membrane fabric.

One of the best harbour views in the world is a fitting place for this veteran performer.



1. Inside in Winter.
2. Airlock access.
3. 50m of warm water.
4. View from Sydney Harbour Bridge.