

Penbank School

Tensioned Membrane Structure



This independent primary school has a timber stage that is used for school theatrical functions and an annual community music festival.

In order to create a functional outdoor performing area it was proposed to design a tensioned membrane sound shell structure that would provide a year round facility.

The final design consisted of two large cantilevered columns that were supported by tension cables secured to stub columns that are positioned around the rear of the structure. This design provides a large unencumbered viewing area and also assists with the sound transmission.



Client:
Penbank School

Location:
Moorooduc, Vic

Date of Completion:
December 2007

Product Type:
Tensioned Membrane

Fabric Type:
PVC – Mehler FR900

Steel Finish:
Hot dipped galvanized.

Scope of Works:
Design
Engineering
Manufacture
Project Management
Install

Area of Coverage:
150m²

Function:
Waterproof structure to protect outdoor stage.