

Ave Maria College

Cantilever Arch Structure



Ave Maria College were seeking shade cover to the edge of a large artificial grass playing field area so that teachers would have a shaded space that students could congregate in during PE classes and during lunch and recess times.

The design challenge was to come up with a structure that didn't have posts which encroached upon the sporting area and hence cantilevered over the space.

From an Engineering perspective this was quite difficult to achieve because the brick columns which the arches attached to were not structurally adequate to accommodate the structure and hence the structure had to be tied back to the building itself via overhead struts



Client:
Ave Maria College

Location:
Aberfeldie, VIC

Date of Completion:
January, 2010

Product Type:
Cantilever Arch Shade Structure

Fabric Type:
Monotec 370 series shadecloth

Steel Finish:
Three layer paint system

Scope of Works:
Design
Engineering
Manufacture
Project Management
Install

Area of Coverage:
105 square metres

Function:
Shade cover over spectator area adjacent to basketball court