

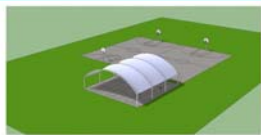




## Corpus Christi Catholic High School 21 m Barrel Arch structure

- Oak Flat (South of Wollongong) NSW
- Dealer – Advanced Shade & Sails
- Design/FEA and Structural Analysis – Structureflex
- Engineering Certification – John Killmister





### Sales Visualisation.

Visualization of the final structure as well as shadow performance were created for the client using AutoCAD and MPanel software

### Sales Visualisation.



Alternative design options rendered on site photos


### Sales Visualisation.




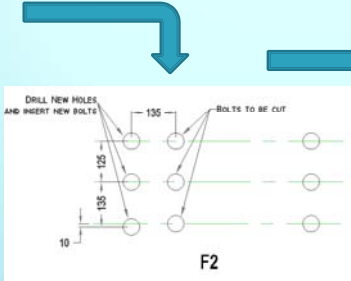
Alternative design options rendered on site photos



#### CHALLENGE



Problems with site set out and installation of the hold down bolt cages resulted in footing misalignment by as much as 300mm in level and 200mm in position.





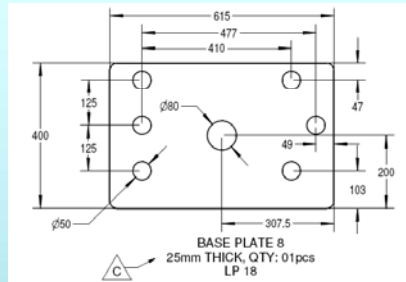
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#### Every base plate had to be changed and every base plate layout was different.

##### Example of Revised Base Plate Detail



BASE PLATE 8  
25mm THICK, QTY: 01pcs  
LP 18

As frustrating and time consuming as it was, the final frames were able to be installed, centred and level.

### The Finished Structure



### Ecstatic Client

