

££ budget  
🕒 26 weeks

### PROJECT OVERVIEW

Customer wanted a unique truss solution for a complex, curved building. We designed and supplied an easy to install truss kit that met all the customers' requirements.

### TESTIMONIAL

"Griggs Timber have been efficient both on schedules and pricing. The design work they did was exceptional and saved us from using a cut roof or a more costly alternative. I really cannot recommend Griggs enough, a first-class service from conception to completion." **Lewis Evans, MF Freeman**

### RESULTS

- 📌 On schedule
- 📌 Under budget
- 📌 Original intricate design to match the customers' needs

### CONTACT

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# Hartpury University & Hartpury College

## Raising the roof

### THE CHALLENGE

Hartpury University & Hartpury College, a large agricultural centre, had designed a striking but intricate, curved building to improve the campus. This gave builders MF Freeman the challenge of how to roof the building. There was an option to use a cut roof, but this would have required many costly steels and exceeded the budget, so MF Freeman turned to Griggs Timber to design and supply an easy to install truss kit that met all of their requirements.

### THE PLAN

This project had two main difficulties, the pitch of the roof was very low for the span, and the front edge of the build was a large curve.

The fewer different truss types, the more efficient a truss design is, as once a pattern is set up for manufacturing, it can then run off the same truss several times. With this in mind, the curve made using the same truss very difficult. Therefore, Griggs were challenged with balancing the number of unique trusses and the adjustability of the individual trusses as well as making sure the trusses were able to be delivered to site even though they were very long.

### THE SOLUTION

Griggs came up with an original design, tailored to make best use of all the available load bearing walls that spanned the whole length of the building. The design was cost effective and efficient, whilst still meeting all their requirements, so the customer was able to install the trusses quickly and move onto their next project.

### DELIVERABLES

Loose timber	<div style="width: 30%;"></div>
Truss rafters	<div style="width: 70%;"></div>
Metalwork & bracing	<div style="width: 20%;"></div>