

## Technical Specification

### Timber Structure

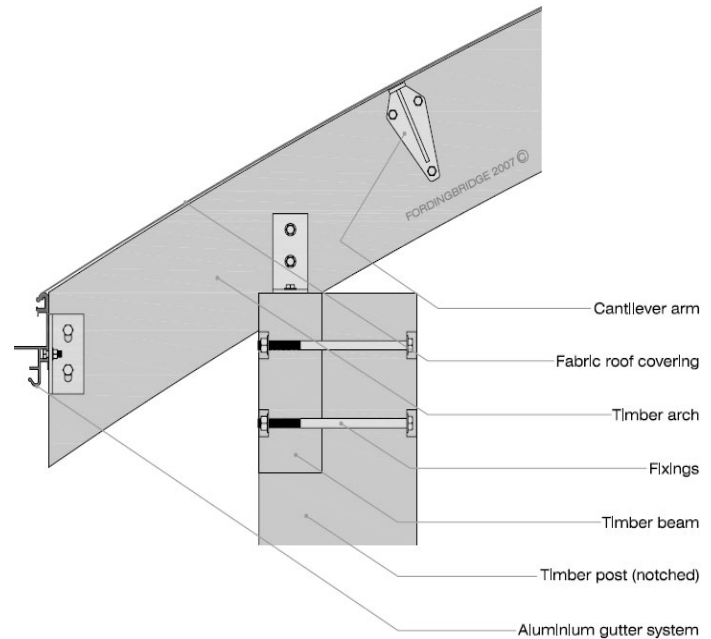
- **Timber species:**  
Spruce
- **Stress grade GL24:**  
Accordance - DIN 1052:2008
- **Surface quality:**  
Visible quality
- **Colour:**  
Stained Light Oak

Sir Robert Woodard Academy



Fordingbridge utilise the industrial wooden product of glued laminated timber (glulam). Glulam is a safe material for nearly all structural tasks that allows for highly variable designs.

- Consists of three dried softwood boards which are flatwise glued together
- Strength graded and refined by lamination glulam's permissible bending stress is 80% higher than that of solid wood
- Smaller shrinkage deformations and higher resistance to cracking.
- Sustainably sourced: FSC® and PEFC certified. Planting rates are controlled to ensure growth exceeds harvested quantities
- Environmentally friendly: Timber typically requires 5-6 times less energy cost to produce.
- Energy efficiency: Insulation properties and high thermal mass help reduce fuel bills



Glulam shall be labeled with the national conformity mark. By means of the conformity mark, the manufacturer confirms that all quality-controls required by the national building authorities have been carried out.

