STRUCTURAL GLU-LAM

PROJECT EXPERIENCE

Glu-lam beams are increasingly used in modern construction alongside exposed concrete, structural steel, and other elements to create an aesthetic only wood can provide.

Evergreen Engineering delivers structural engineering and calculations to ensure that these spans and trusses are designed to bear the load beautifully.

Evergreen provides:

- load calculation packages
- wood stress analysis
- connection specifications
- sealed manufacturing and structural drawings

Typical work begins with architectural or structural renderings provided by the client.

Project: **Coquille Valley Hospital**
Location: **Coquille, Oregon**

The new building's main entrance canopy, exposed roof beams, and curved entrance all make use of glu-lam for dramatic visuals and a welcoming ambiance, while integrating the strength and durability of wood.

Project: **Westborough Park Pavilion**
Location: **San Francisco, California**

This exposed beam roof structure incorporates three "Hip Roof" trusses with an architectural modernity that fittingly anchors the major improvements of a sports park in the heart of South San Francisco. The complicated nature of the project was accommodated by our structural engineers who worked with both the manufacturer and architect to provide a complete sealed engineering package to the city for their new pavilion.

Project: **Shaw Nature Reserve**
Location: **Villa Ridge, Missouri**

Fitting its surroundings perfectly, this tiered roof structure is the perfect complement to the natural prairie and preserve it sits in. Dedicated to showcasing wildlife, flora, and fauna, the sustainable materials and rustic timber effect gives lie to the detailed engineering required to create and install the laminate beams.