Streamline Permitting and Site Acquisition with FREE Photo Simulation Services from LWS

When E-LAM structures are specified, we provide FREE imaging showing laminated wood construction. Simply provide us with a good quality photo of the proposed site with some reference of scale, and we will render an accurate simulation. Let us help streamline your next site proposal with the most realistic and naturally beautiful choice...E-LAM laminated wood structures from LWS!
Laminated wood towers enjoy widespread public acceptance and blend into any setting naturally because of their natural wood grain appearance. The laminated tower can meet the needs of utility and telecommunications companies without the need for a foundation or the concerns associated with steel.

**Environmental Benefits**

- **Low Carbon Emissions**: Laminated towers have a lower carbon footprint compared to steel towers.
- **Recycled Materials**: Some laminated towers are made from recycled materials, reducing waste.
- **Climatic Resilience**: Laminated wood is less susceptible to damage from storms and harsh weather conditions.
- **Energy Efficiency**: Laminated towers are more energy efficient than metal towers.

**Advantages of Laminated Towers**

- **Increased Strength**: Laminated wood provides increased strength and rigidity compared to other materials.
- **Durability**: Laminated towers have a longer service life than many other materials.
- **Low Maintenance Costs**: Laminated towers require less maintenance than steel towers.
- **Aesthetic Appeal**: Laminated wood blends naturally into the environment, enhancing the beauty of the area.

**Tower Production**

Laminated wood towers are fabricated in a mill setting, saving time and cost. The laminated wood is shaped into the desired tower design and then shipped to the installation site. The installation process is fast and efficient, reducing downtime and costs.

**Tower Designs**

Laminated wood towers can be designed to meet specific needs, such as utility, telecommunications, or joint-use applications. Common designs include:

- **Mono Poles**: Simple, cost-effective structures for single and dual services.
- **Joint-Use Towers**: Designed for multiple services, including electricity and telecommunications.
- **Architectural Towers**: Custom-designed to fit into specific environments.

**Installation Techniques**

- **Direct Embed Installation**: Suitable for locations with stable soil conditions.
- **Framing**: Used for locations with loose soil or other challenges.

**Maintenance and Inspection**

- **Regular Inspections**: Conducted to ensure the tower remains in excellent condition.
- **Routine Maintenance**: Includes cleaning and necessary repairs.

**Tower Life Expectancy**

Laminated towers are engineered to last for decades, with service lives of over 60 years in many cases. The long life expectancy reduces the need for frequent replacements, saving time and money.

**Proof of Success**

The durability and longevity of laminated wood towers have been proven through extensive testing and real-world applications. Many towers have been in service for over 30 years without significant maintenance or replacement.

**Case Studies**

- **Joint-Use Applications Benefit Utility & Telecommunications Companies**: Laminated wood towers are designed for joint use applications, providing a cost-effective solution for multiple services.
- **Fabricated Architectural Towers**: Custom-made towers that enhance the aesthetic appeal of an area.
- **Steel Telecommunications Towers**: A comparison of laminated and steel towers, highlighting the benefits of each.

**Conclusion**

Laminated wood towers offer a viable, sustainable, and cost-effective alternative to traditional steel towers. Their natural beauty, durability, and environmental benefits make them a preferred choice for many applications.