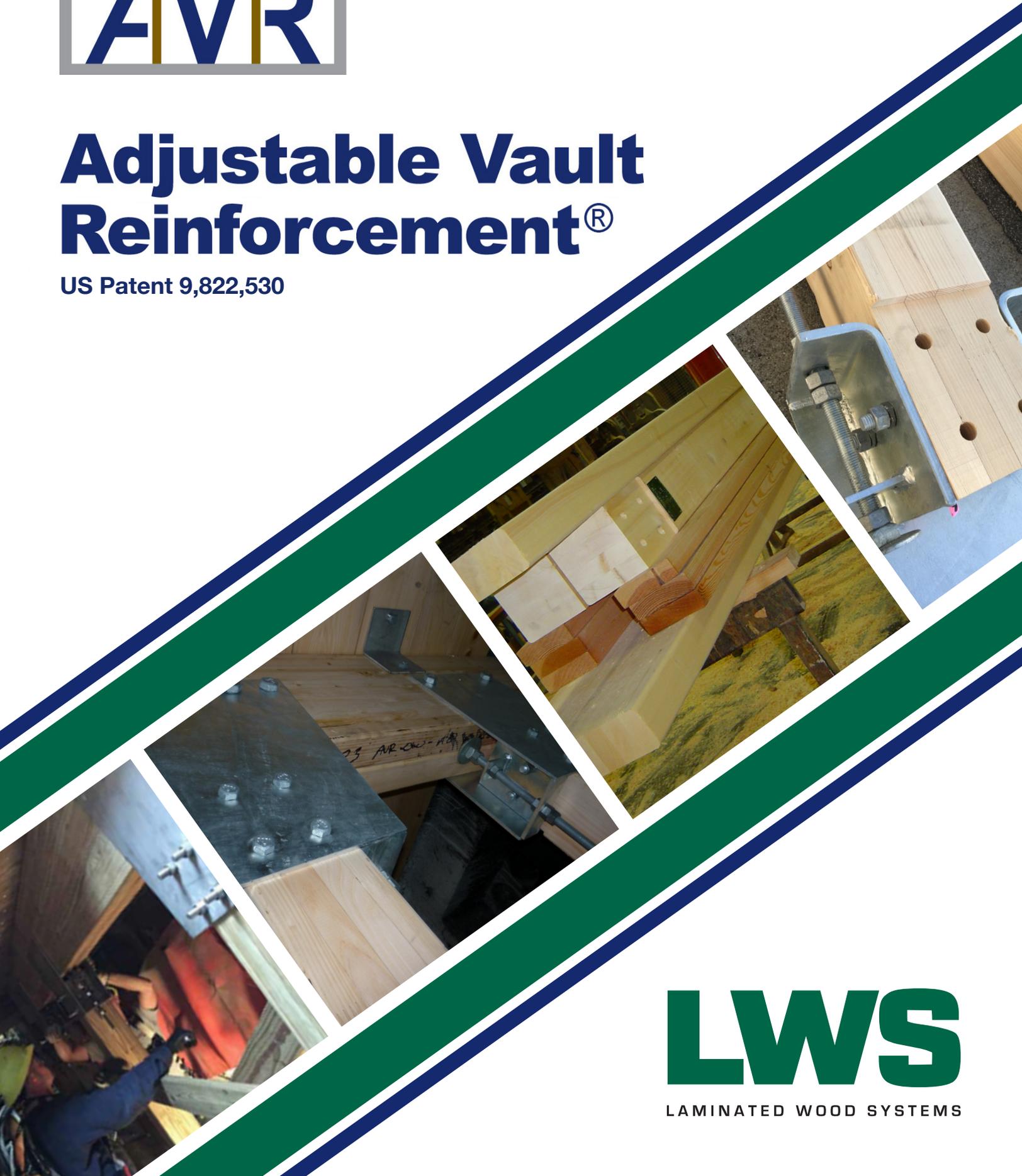




# Adjustable Vault Reinforcement®

US Patent 9,822,530



# LWS

LAMINATED WOOD SYSTEMS



## THE MOST INNOVATIVE VAULT SOLUTION YOU WILL NEVER SEE!

- Prevents falling debris
- Fully adjustable
- Easy installation
- 30+ year solution
- Adheres to HS-20 Loading

The AVR system features a patented design that incorporates laminated wood and metal components for shoring the ceilings of underground concrete utility vaults. The AVR system is completely adjustable and can be easily modified in the field to accommodate different precast concrete vault sizes and equipment configurations.

### **HARDWARE OPTIONS:**

- Hot dipped galvanized
- Stainless steel

### **TREATED WOOD OPTIONS:**

- Southern Yellow Pine treated with: CCA
- Coastal Douglas-fir treated with: ACZA

### **UNTREATED WOOD OPTIONS:**

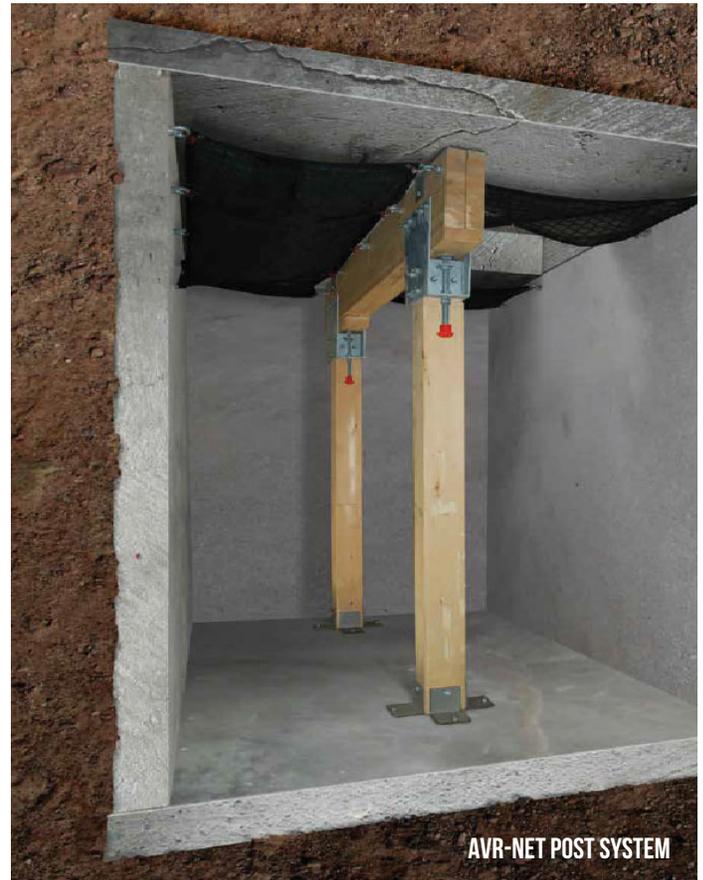
- Port Orford Cedar
- Alaska Yellow Cedar

### **CEILING SUPPORT OPTIONS:**

- Heavy Duty ("HD") ceiling wood members
- Debris netting
- All steel option

# AVR REINFORCES VAULT CEILINGS FOR A FRACTION OF THE COST

The patented AVR Adjustable Vault Reinforcement® system is the ideal, low cost solution for shoring up deteriorating underground vault ceilings. The AVR system is designed to meet and exceed HS-20 loading requirements and is available in heavy decking wood, steel, or debris netting designs. The system is easily modified in the field to accommodate vault size and equipment configurations. The standard heavy duty tongue and groove decking design reinforces the vault ceiling and prevents further debris from falling. Heavy decking designs are also available in a no-post configuration. The AVR system can be safely installed by a crew of three in less than two days with minimal traffic closures. Visit the LWS website for more details and to obtain a quote.



# LWS

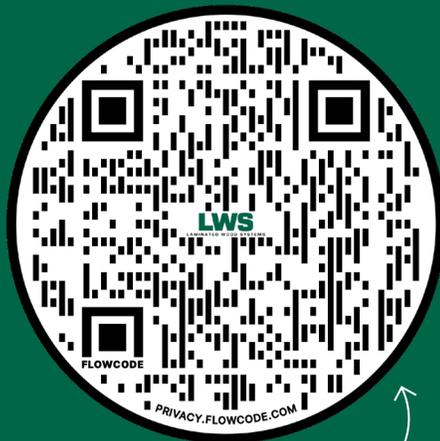
LAMINATED WOOD SYSTEMS

Founded in 1992, Laminated Wood Systems is a leader in supplying innovative products for the worldwide electric utility infrastructure. LWS reintroduced glue laminated utility structures to the industry and soon after developed its' family of steel products.

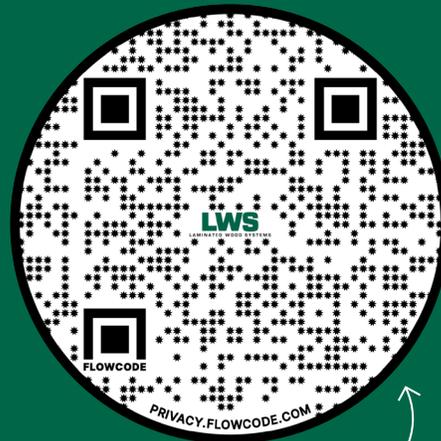
Utilizing a network of manufacturing and treating facilities located throughout the US, LWS can maintain some of the quickest delivery lead times available in the industry. Typical delivery can be expected 6 to 8 weeks after drawing approval.

The LWS sales and engineering offices are located in Seward, Nebraska. LWS partners with nationwide independent sales agencies to move our quality products to market.

Visit [www.lwsinc.com](http://www.lwsinc.com) for more information on all LWS Products and to locate a sales representative in your area.



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