

# PERMA-COLUMN® Precast Concrete Columns



ENGINEERED. TESTED. PROVEN.

OVER 350,000 PERMA-COLUMNS INSTALLED SINCE 2002



## BUILD ON A PERMANENT FOUNDATION

3X STRONGER  
THAN STANDARD CONCRETE  
with 10,000 psi concrete  
and 60,000 psi rebar

BUILT TO LAST  
Patented combination of steel,  
wood and concrete is unmatched  
and backed by a lifetime  
guarantee

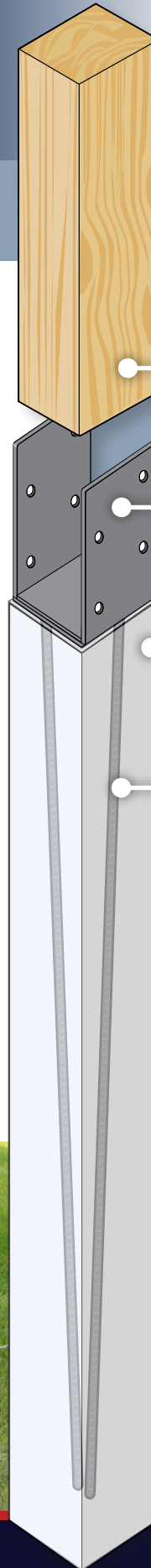
GREEN FOUNDATION  
Perma-Column is made from  
100% recycled materials

ICC ES CERTIFIED  
Compliant with IRC means quicker  
project permits and approvals

**NO MORE  
WOOD  
IN THE  
GROUND!**



ANOTHER EXCLUSIVE  
PRODUCT OFFERED BY THE  
INDUSTRY LEADER!



Engineered Laminated  
Wood Column

Epoxy Powder Coated  
1/4" Steel Bracket

5ft 10,000 PSI  
Concrete Post

Welded Steel Rebar  
Reinforcement

ENGINEERED  
FOR SPEED AND  
PERFORMANCE

BUILD FAST  
BUILD TO LAST



STEEL STRUCTURES  
**AMERICA** INC.

THE LARGEST, MOST EXPERIENCED  
POST FRAME STEEL BUILDING  
CONTRACTOR IN THE NORTHWEST

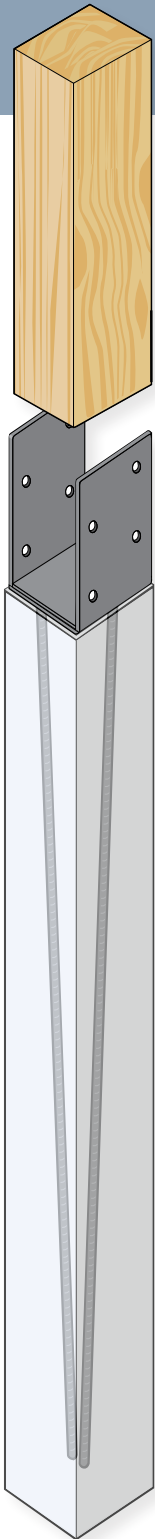
SteelStructuresAmerica.com  
Contact Us: (800) 833-9997  
sales@steelstructuresamerica.com

# PERMA-COLUMN® Precast Concrete Columns



**MADE IN USA**

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PRODUCT OFFERED BY THE  
INDUSTRY LEADER!**



**ENGINEERED. TESTED. PROVEN.**

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## **Strength Through Capital Investment**

Steel Structures America has partnered with Perma Column® to bring the world's most durable post-foundation system to the Northwest. Facilitated by our significant investment this precast technology can now be utilized in the Northwest.

## **Strength Through Tested Bracket Connections**

Extensive independent testing performed at both the Universities of Wisconsin—Madison and Purdue shows our column-to-bracket connection outperforms traditional wood posts. The wood-to-steel joint uses ½-inch thru-bolts and ¼-inch strong-drive screws, and the ¼-inch high-strength steel bracket is robotically welded to rebar that runs the full 5-foot concrete post.

## **Strength Through Engineered Wood Columns**

Laminated wood uppers use full-length, high-strength MSR lumber (no splices). Lamination removes natural imperfections and increases column strength by 200 percent compared to solid-sawn posts.

## **Strength Through High-Performance Concrete**

Our new precast facility uses state of the art concrete precast techniques. The exclusive Perma-Column 10,000 psi concrete delivers three times the strength of standard mixes. Special additives boost freeze-thaw durability and guard against rebar corrosion.

The result: a permanent foundation you can trust for decades.

## **Strength Through EpoXzi Shield™**

Our brackets are protected with premium, proprietary EpoXzi Shield finish: a four-stage wash/conversion followed by a baked textured epoxy coat. In ASTM B117 salt-spray tests, powder-coated brackets rusted at 600 hours and G-185 galvanized at 1,128 hours, while EpoXzi Shield showed only minimal corrosion after 1,500 hours.



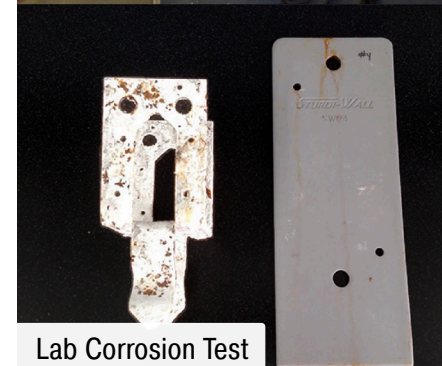
High Performance Concrete



Full Length Lumber



Lab Stress Test



Lab Corrosion Test



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