

HIGH PERFORMANCE POST FRAME

MATERIAL STANDARDS GUIDE

Building Better Through Better Materials

At High Performance Post Frame, we believe buildings should be evaluated as complete systems.

The products and assemblies we recommend have been selected because they contribute to one or more of the following:

- ✓ Durability
- ✓ Comfort
- ✓ Energy Efficiency
- ✓ Moisture Management
- ✓ Indoor Air Quality
- ✓ Long-Term Value
- ✓ Ease of Maintenance

Not every project requires every upgrade, but every recommendation is made with performance and value in mind.

THE HIGH PERFORMANCE APPROACH

Most construction decisions are made based on initial cost.

We prefer to evaluate materials based on:

- Performance
- Longevity
- Maintenance requirements
- Energy savings
- Occupant comfort
- Lifecycle cost

A material that costs slightly more today may save thousands of dollars over the life of the building.

BUILDING ENVELOPE FIRST

If there is one area where we recommend investing, it is the building enclosure.

The building enclosure includes:

- Roof
- Walls
- Windows
- Air barriers
- Vapor control layers
- Insulation systems

These systems affect comfort, energy use, durability, and long-term performance every day the building exists.

ZIP R® WALL SHEATHING

Continuous Exterior Insulation + Integrated Weather Resistant Barrier

ZIP R combines structural sheathing, weather protection, air control, and continuous insulation into a single system.

Why We Use It

- ✓ Reduces thermal bridging
- ✓ Improves energy efficiency
- ✓ Creates a tighter building envelope
- ✓ Simplifies construction sequencing
- ✓ Supports long-term durability

Client Benefits

- More consistent temperatures
- Reduced energy consumption

- Improved comfort
 - Better wall performance
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ZIP SYSTEM® ROOF SHEATHING

Advanced Roof Weather Protection

The roof is one of the most important components of the building enclosure.

ZIP Roof Sheathing provides a durable, integrated weather-resistant layer beneath the finished roofing system.

Benefits

- ✓ Improved weather protection
 - ✓ Better air sealing opportunities
 - ✓ Reduced risk during construction
 - ✓ Increased long-term durability
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SIGA MAJREX®

Smart Vapor Control

Traditional vapor barriers attempt to stop moisture movement.

SIGA Majrex helps manage moisture movement.

Its variable permeability allows assemblies to dry when conditions require it.

Why We Use It

- ✓ Supports seasonal drying
- ✓ Reduces moisture risk
- ✓ Improves wall assembly performance
- ✓ Works with modern high-performance wall systems

Client Benefits

- Better durability
 - Reduced risk of moisture damage
 - Improved indoor comfort
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ROCKWOOL® INSULATION

Thermal, Acoustic, and Fire Performance

Rockwool is one of our preferred insulation products because it performs exceptionally well across multiple categories.

Benefits

- ✓ Excellent thermal performance
- ✓ Outstanding sound attenuation
- ✓ Non-combustible
- ✓ Moisture resistant
- ✓ Dimensionally stable

Client Benefits

- Quieter interiors
 - Increased comfort
 - Improved fire resistance
 - Long-term reliability
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RAIN SCREEN WALL SYSTEMS

Designed To Drain And Dry

Modern wall systems should be designed to manage water rather than simply resist it.

A rain screen assembly creates a ventilated drainage cavity between the weather barrier and the exterior cladding.

Typical Components

- Furring strips
- Ventilation cavity
- Cor-A-Vent® SV-5 ventilation strips
- Exterior cladding

Benefits

- ✓ Improved drying potential
- ✓ Better moisture management
- ✓ Increased siding longevity
- ✓ Enhanced wall durability

Client Benefits

- Lower maintenance
 - Reduced moisture risk
 - Longer building life
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TRIPLE-PANE WINDOWS

Comfort Beyond Energy Efficiency

Many clients initially choose triple-pane windows for energy performance.

Most ultimately appreciate them for comfort.

Benefits

- ✓ Improved thermal performance
- ✓ Reduced drafts
- ✓ Increased interior comfort
- ✓ Better sound control
- ✓ Reduced condensation potential

Client Benefits

- More comfortable living spaces
 - Lower heating and cooling loads
 - Quieter interiors
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STANDING SEAM METAL ROOFING

Long-Term Protection

A properly installed standing seam roof is one of the most durable roofing systems available.

Benefits

- ✓ Long service life
- ✓ Low maintenance
- ✓ Excellent weather resistance
- ✓ Solar compatibility
- ✓ Clean appearance

Client Benefits

- Reduced maintenance costs
 - Long-term durability
 - Enhanced curb appeal
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HYDRONIC RADIANT FLOOR HEATING

Comfortable Heat From The Ground Up

Hydronic systems circulate warm water through tubing embedded within the concrete slab.

Benefits

- ✓ Even temperatures
- ✓ Exceptional comfort

- ✓ Quiet operation
- ✓ Energy efficiency
- ✓ Ideal for large spaces

Client Benefits

- Warm floors
 - Improved comfort
 - Reduced temperature swings
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PERMA-COLUMN® FOUNDATIONS

Built For Longevity

Perma-Columns separate structural wood members from soil contact.

Benefits

- ✓ Improved durability
- ✓ Reduced moisture exposure
- ✓ Long-term structural performance
- ✓ Proven post-frame foundation solution

Client Benefits

- Increased service life
 - Reduced maintenance concerns
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LAMINATED STRUCTURAL POSTS

Engineered Strength

Laminated columns provide greater consistency and structural performance than many solid-sawn alternatives.

Benefits

- ✓ Improved straightness
 - ✓ Consistent quality
 - ✓ Engineered strength
 - ✓ Excellent load-carrying capability
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OUR PHILOSOPHY

Every project is different.

Not every client requires every upgrade.

Our role is to help you understand the options and make informed decisions based on your goals, budget, and priorities.

Our recommendations are always driven by:

Performance.

Durability.

Comfort.

Value.

HIGH PERFORMANCE POST FRAME

Building Science Driven Design-Build

Engineered Post Frame Construction

High Performance By Design