

# CERTIFICATE OF APPROPRIATENESS APPLICATION MAJOR WORK

## APPLICATION SUBMITTAL REQUIREMENTS

- Applications are due by 1:00 PM and are submitted by appointment only. Please call 910-254-0900 to schedule an appointment
- Do not drop off, email or mail in an application for major work.
- Application fees must be paid at the time of submission. If you wish to pay over the phone, please call 910-254-0900 to make arrangements for credit card payments
- Applications will be reviewed for completeness before they are accepted. Incomplete applications will not be scheduled for HPC review.
- A pre-application meeting is required for all major works applications; applications cannot be accepted without a pre-application meeting. Meetings may be scheduled by calling 910-254-0900.
- All applicable items listed on the submittal checklist are required for an application to be considered complete.

## Historic Preservation Commission Meetings

Meeting Date	Submission Deadline
January 11	12/05/2023
February 8	01/03/2024
March 14	02/06/2024
April 11	03/05/2024
May 9	04/02/2024
June 13	05/07/2024
July 11	06/04/2024
August 8	07/03/2024
September 12	08/06/2024
October 10	09/03/2024
November 14	10/08/2024
December 12	11/05/2024
January 9, 2025	12/03/2024

**City of Wilmington**  
 Planning and Development  
 Historic Preservation  
 929 N Front Street  
 1st Floor | P.O. Box 1810  
 Wilmington NC 28401

(910) 254-0900  
 Preservation@wilmingtonnc.gov

## Application Fees

Estimated Project Cost	Application Fee
Up to \$ 17,999	None
\$ 18,000 - \$ 24,999	\$ 20
\$ 25,000 - \$ 49,999	\$ 25
\$ 50,000 - \$ 99,000	\$ 35
\$ 100,000 - \$ 499,000	\$ 50
\$500,000 or more	\$ 100

***Approval of After-the-Fact  
 (work completed without a  
 COA) requires application  
 submittal and a fee of  
 \$100***

# CERTIFICATE OF APPROPRIATENESS APPLICATION MAJOR WORK

**PLEASE TYPE OR PRINT**

Street Address: 214 McRae Street, Wilmington NC 28401

Tax Parcel Number: R04817-010-002-002

**RECEIVED**

By Linda M. Painter, AICP at 9:05 am, Oct 07, 2024

## Property Owner Information

*If the applicant is not the property owner, an agent form (below) is required to be signed by the property owner and submitted with an application. Application must be signed by all legal property owners.*

Owner name(s): David King

Mailing Address: 214 McRae Street, Wilmington NC 28401

Phone: 910.899.2619

Email address: david.eris.king@gmail.com

Signature: David King

Date: 10/04/24

---

## AGENT FORM *(This section is required if the applicant is anyone other than the property owner)*

I \_\_\_\_\_ the undersigned owner, do hereby appoint

\_\_\_\_\_ to act on my behalf for the purpose of petitioning the city of Wilmington Historic Preservation Commission for a certificate of appropriateness, as applicable to the property described in the attached petition.

I do hereby covenant and agree with the city of Wilmington that said person (agent) has the authority to do the following acts for or on behalf of the owner:

- Submit property petition and require supplemental materials
- Appear at public meetings to give testimony and make commitments on behalf of the owner
- Accept conditions or recommendations made for the issuance of the certificate of appropriateness on the owner's property
- Act on the owner's behalf without limitations with regard to any and all things directly or indirectly connected with or arising out of any petition for a certificate of appropriate-

This appointment agreement shall continue in effect until final disposition of the petition submitted in conjunction with this appointment.

Owner(s) name(s): \_\_\_\_\_

Owner(s) signature: \_\_\_\_\_ Date: \_\_\_\_\_

Designated agent name: \_\_\_\_\_

Designated agent address: \_\_\_\_\_

Designated agent phone: \_\_\_\_\_ Email address: \_\_\_\_\_

# CERTIFICATE OF APPROPRIATENESS APPLICATION MAJOR WORK

## SUBMITTAL CHECKLIST

*If the information is not included with the application, the request cannot be scheduled for review by the commission.*

### **Signed Application Form**

**Agent Form** (as needed)

### **Project Narrative**

- Brief detailed description of the project, including a description of how the proposed changes are consistent with the Wilmington Design Standards for Historic Districts

### **Tax Map**

- This can be found online at New Hanover County GIS Portal
- (<https://www.nhcgov.com/844/GIS-Maps-Data>)

### **Adjacent Property Owners**

- List of adjacent property owners with mailing addresses will be provided by staff.
- Staff will email the applicant an invoice for mailing the notices.
- The cost is \$0.85 per notice.

### **Proposed Building Materials**

- Product sheets for each type of material proposed (including windows, doors, roof, siding, etc.)
- Material Sheet Checklist if applicable
- May include brochures or manufacturer's specification sheets

### **Digital Photos** (all photos may be emailed)

- A keyed site plan or lot diagram showing existing structures, features and conditions
- A close up of the proposed work area.

*These scopes will require additional information including but not limited to the following:*

### **New Construction, Major Alterations, Additions**

- Site plan, drawn to scale with existing and proposed buildings, setbacks, parking areas, driveways, trees to be removed or preserved, fences and landscaping.
- Architectural drawings, drawn to scale including elevations and floor plans.
- Additional information that helps determine whether the project is consistent with Design Standards.
- Three dimensional models (optional)

**The applicant is responsible for supplying all information necessary to enable the Historic Preservation Commission (HPC) to understand the proposal and potential impacts on the historic district or overlay.**

**Without sufficient information, the Commission may continue or deny the request.**

# CERTIFICATE OF APPROPRIATENESS APPLICATION MAJOR WORK

## NEW CONSTRUCTION INFORMATION

Complete one sheet for each new building or structure in order to address all of the project components

Building Element	Proposed Materials, Dimensions, Color
<b>Roof (Roof Pitch / Material / Color)</b>	
Main	Asphalt - Timberline HDZ Architectural Shingle (Charcoal)
Front Porch / Side Porch / Rear Porch	
Height (avg. grade to peak of roof)	15' height. 1/12 to 2/12 low slope
<b>Cladding</b>	
Body of building	8" lap, Concrete fiber planks
Additional (Reveal, Finish, Mortar Color)	N/A
<b>Foundation</b>	
Materials (including color and height)	Concrete slab
<b>Porch (Materials &amp; Dimensions)</b>	
Columns (capital and base)	N/A
Stairs and Railing (include dimensions)	Pressure treated, 18" high, 42" wide Stairs to elevated porch and side doors only
Decking (floorboards)	N/A
Balustrade / railing (top cap and bottom)	Pressure Treated
Balustrade - individual balusters	Pressure treated
Ceiling (material, design, dimensions)	None
Screens (only on rear)	None
<b>Deck (Materials and Dimensions)</b>	
Posts	None
Balustrade / railing (top cap and bottom)	None
Balustrade - individual balusters	None
Foundation (height and materials)	None
Entry steps and railings	None
<b>Doors (Materials and Dimensions)</b>	
Front entry	Pella Impervia like and kind - fiberglass/non-vinyl
Sides (specify location)	Pella Impervia like and kind - fiberglass/non-vinyl
Rear	
<b>Windows (Materials, Style, Dimensions)</b>	
Front	Pella Impervia like and kind - fiberglass/non vinyl
Sides	Pella Impervia like and kind - fiberglass/non vinyl
Rear	None
<b>Gutters and Downspouts</b>	
	5" metal seamless
<b>Driveway</b>	
Dimensions	None
Curb, Apron and Runner Materials	None
<b>Any Additional Materials</b>	
	Thank you!

# KING RESIDENCE

214 MCRAE STREET

WILMINGTON. NORTH CAROLINA. 28401



CRAFT BUILD, LLC

301 GOVERNMENT CENTER DR.  
WILMINGTON, NC. 28403  
910.408.4877 VOICE

DAVID.KING@CRAFTBUILDNC.COM

DISCLAIMER:  
THIS DRAWING IS TO BE USED ONLY AS A GUIDE IN CONSTRUCTING THIS PLAN. IT SHALL BE THE RESPONSIBILITY OF THE BUILDER TO COMPLY WITH THE LOCAL BUILDING CODES, ORDINANCES, RESTRICTIONS AND LAWS THAT MAY REQUIRE REVISIONS TO THESE DRAWINGS, SPECS AND DETAILS. STRUCTURAL ENGINEERING PLANS SHALL TAKE PRECEDENCE OVER ANY DETAILS, NOTES, SPECS OR MATERIALS SHOWN HEREON.



**STREET ELEVATION**  
NOT TO SCALE

## DRAWING SCHEDULE

COVER SHEET	C-1
SITE PLAN	S-1
FOUNDATION PLAN	01
FLOOR PLAN	02
ROOF PLAN	03
FRONT & REAR ELEVATIONS	04
ELEVATIONS/ BUILDING SECTION	05

## WINDOW / DOOR SCHEDULE

MK.	WINDOW SIZE (NOMINAL W x H)	WINDOW TYPE	QUANTITY
A	2'-8" x 2'-0"	PICTURE	1
B	4'-0" x 2'-0"	PICTURE	1
C	NOT USED		
1	2'-8" x 6'-8"	FRENCH GLASS ENTRY	1
2	2- 2'-6" x 6'-8"	FRENCH BI-HING	1
3	NOT USED		

## GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. REFER TO NORTH CAROLINA STATE BUILDING CODES.
- DIMENSIONS ARE FROM FACE OF EXTERIOR FRAMING TO FACE OF INTERIOR FRAMING UNLESS NOTED OTHERWISE.
- ALL EXTERIOR WALLS ARE DRAWN 3 1/2". ALL INTERIOR WALLS ARE DRAWN 3/2" UNLESS NOTED OTHERWISE.
- ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS AS PER STATE BUILDING CODE REQUIREMENTS.
- CONTRACTOR SHALL \*FIELD VERIFY\* EXISTING CONDITIONS AND NOTIFY THE DESIGNER IF ACTUAL SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLAN, OR IF THE PROPOSED WORK WOULD BE INHIBITED BY ANY OTHER DISCREPANCIES.

6. CONTRACTOR IS RESPONSIBLE FOR DETERMINING METHODS/MEANS FOR COMPLETION OF THE WORK PRIOR TO CONSTRUCTION AND NOTIFICATION OF OWNER AND THE DESIGNER OF RECORD WHEN A CONFLICT IS IDENTIFIED.

7. SITE CONDITIONS ARE UNKNOWN. REFER TO ENGINEER FOR ADDITIONAL REQUIREMENTS & SPECIFICATIONS.

8. CONTRACTOR & SUBCONTRACTORS ARE REQUIRED TO LAYOUT ALL JOIST & RAFTERS TO AVOID THE LOCATION OF ELECTRIC, PLUMBING, & MECHANICAL DEVICES. PLEASE COORDINATE WITH OTHER DRAWINGS & SPECIFICATION ON DRAWING SET.

9. SEE TRUSS PLANS OR FRAMING PLANS FOR ADDITIONAL FOUNDATION & FOOTING REQUIREMENTS & SPECIFICATIONS.

10. CONTRACTOR RESPONSIBLE FOR SAFE REMOVAL & LEGAL DISPOSAL OF ALL REMOVED MATERIAL.

11. TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS ACCORDING TO STATE REQUIREMENTS.

NEW HOME FOR:  
**CRAFT BUILD**  
214 MCRAE STREET  
WILMINGTON, NORTH CAROLINA, 28401

PHASE	DATE ISSUED
CONCEPTUAL	03.20.24
PRELIMINARY	04.15.24
FINAL	05.29.24

REVISION

SHEET TITLE:  
COVER SHEET

SHEET NUMBER  
**00** OF **5**

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S83°45'E 87.25'

0.02'

O.I.P

19.5'

29'

UNIT 1

212 McRAE ST.

UNIT 2

214 McRAE ST.

ST.

7" FIELD VERIFY

6'-8" FIELD VERIFY

16'-0" FIELD VERIFY

EXISTING DWELLING

EXISTING DECK

# SITE PLAN

SCALE: 3/16" = 1'-0"



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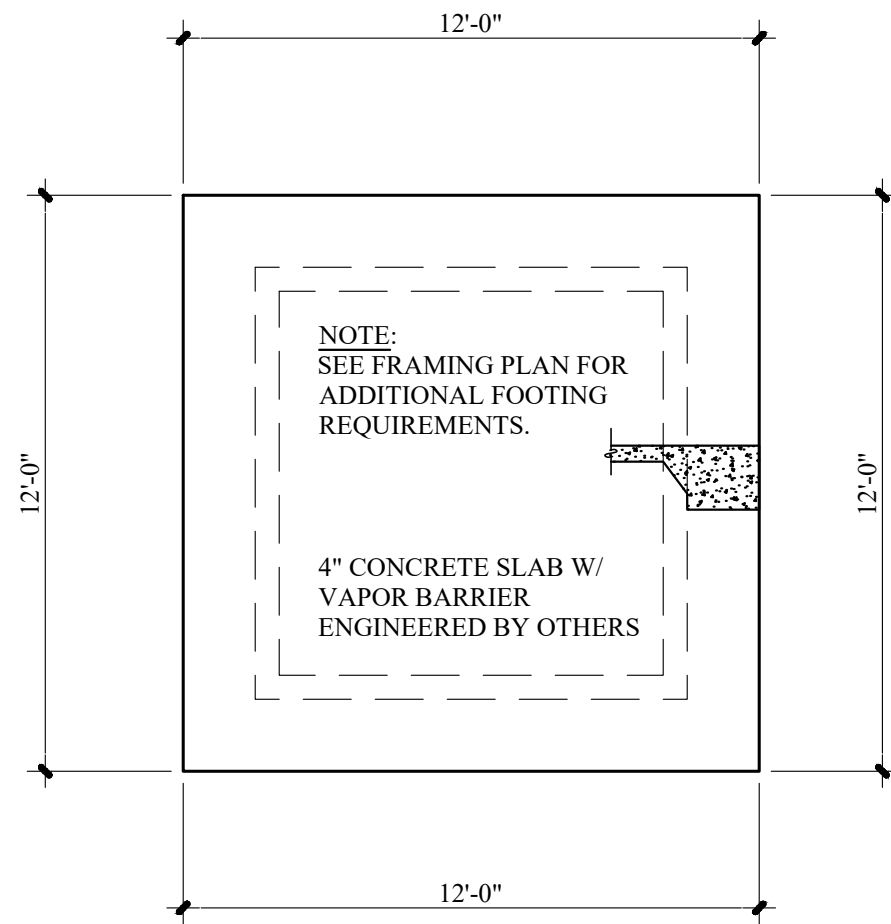
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SHEET TITLE:  
SITE PLAN

SHEET NUMBER  
**S-1** OF 5

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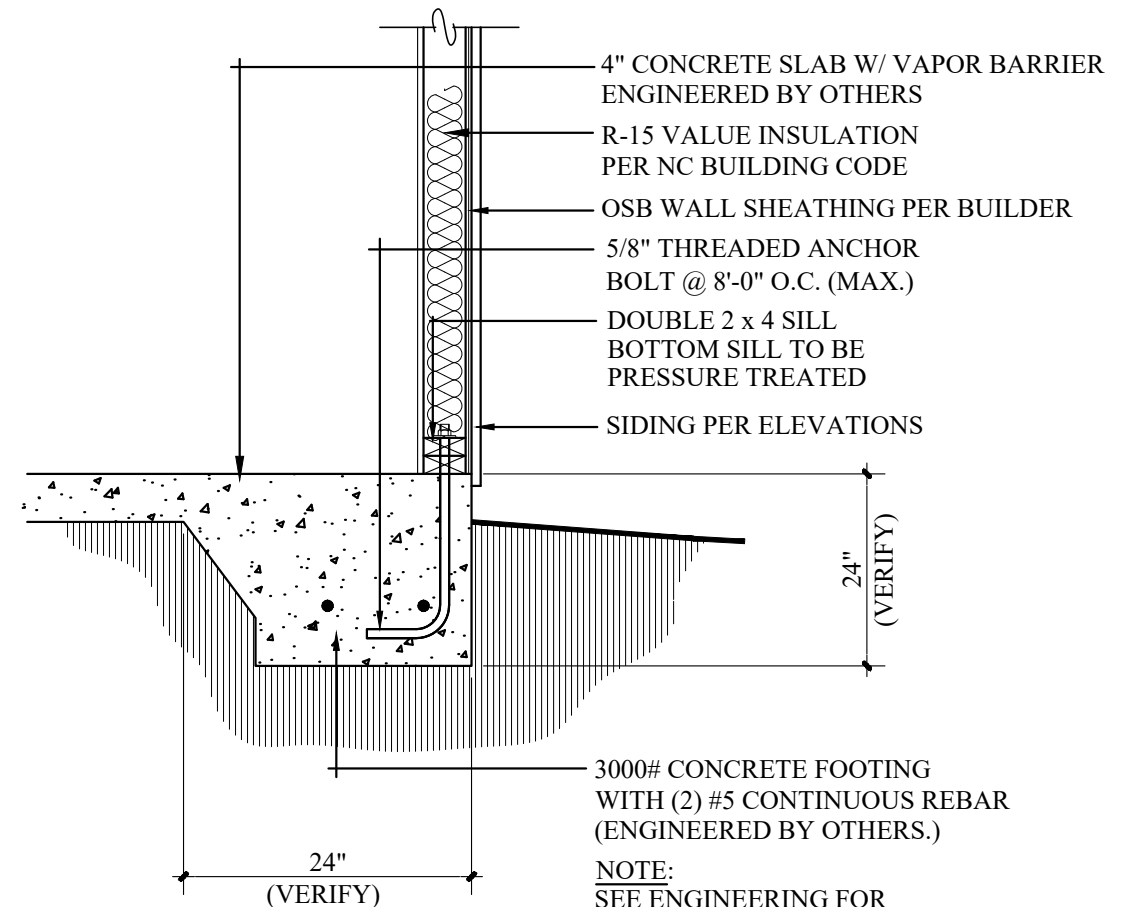


## FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

### FOUNDATION NOTES:

- 1). SEE TRUSS PLANS OR ENGINEERED PLANS FOR ADDITIONAL FOUNDATION AND FOOTING REQUIREMENTS / SPECIFICATIONS.
- 2). NOTIFY CONTRACTOR OF ANY PLAN DISCREPANCIES.
- 3). VERIFY PLUMBING FIXTURE LOCATIONS.
- 4). DIMENSIONS ARE FROM FACE OF CMU U.N.O.
- 5).  $\odot \frac{5}{8}$ " ALL THREADED ROD @ 8'-0" O.C. (MAX.) & WITHIN 24 INCHES OF EVERY CORNER.



## FOOTING DETAIL

SCALE: 1" = 1'-0"



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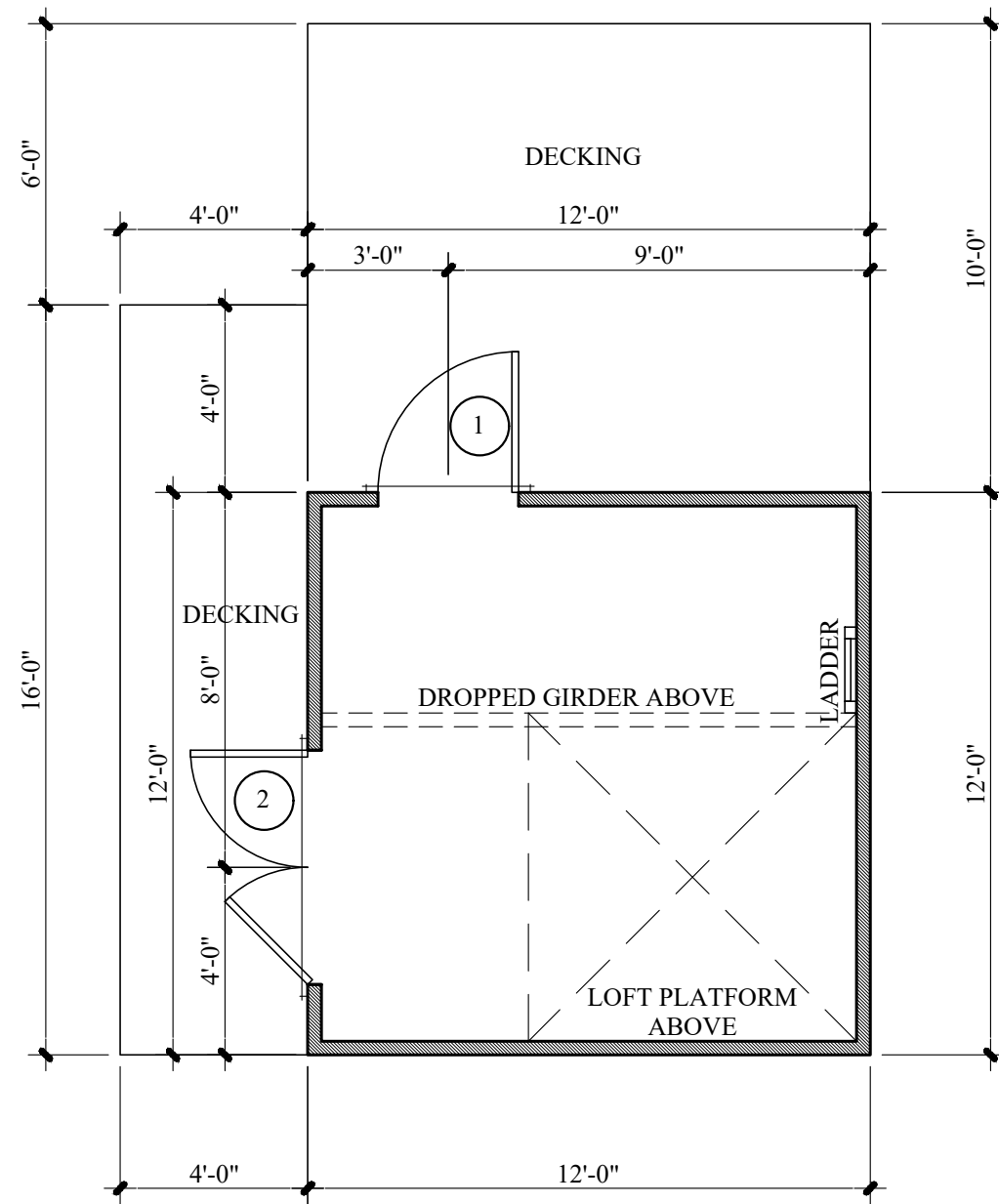
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FOUNDATION PLAN

SHEET NUMBER

**01** OF **5**

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FILE NAME:



## FLOOR PLAN

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2. DIMENSIONS ARE FROM FACE OF INTERIOR FRAMING TO FACE OF INTERIOR FRAMING UNLESS NOTED OTHERWISE.
3. ALL EXTERIOR WALLS ARE DRAWN NOMINAL. ALL INTERIOR WALLS ARE DRAWN 3½" UNLESS NOTED OTHERWISE.
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**CB**

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SHEET TITLE:  
FLOOR PLAN

SHEET NUMBER

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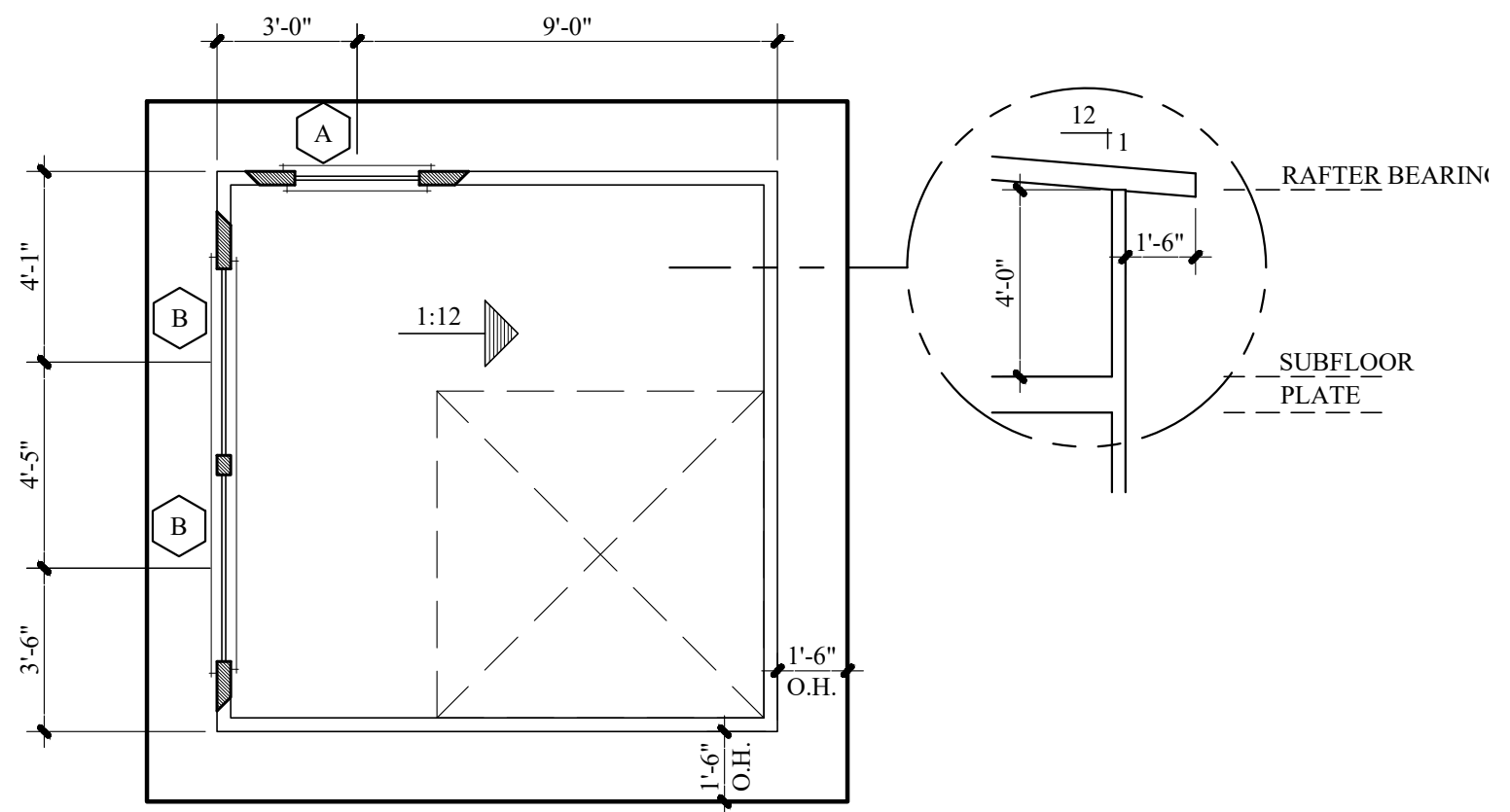
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### ROOF FRAMING

1. DIMENSIONS ARE FROM FACE OF FRAMING UNLESS NOTED OTHERWISE.
2. ROOF FRAMING SHALL BE DESIGNED AND ENGINEERED BY MANUFACTURER.
3. VERIFY ALL STRUCTURAL INFORMATION AND SPECIFICATIONS.
4. OVERHANGS ARE DIMENSIONED ON PLANS.



### ROOF PLAN

SCALE: 1/4" = 1'-0"

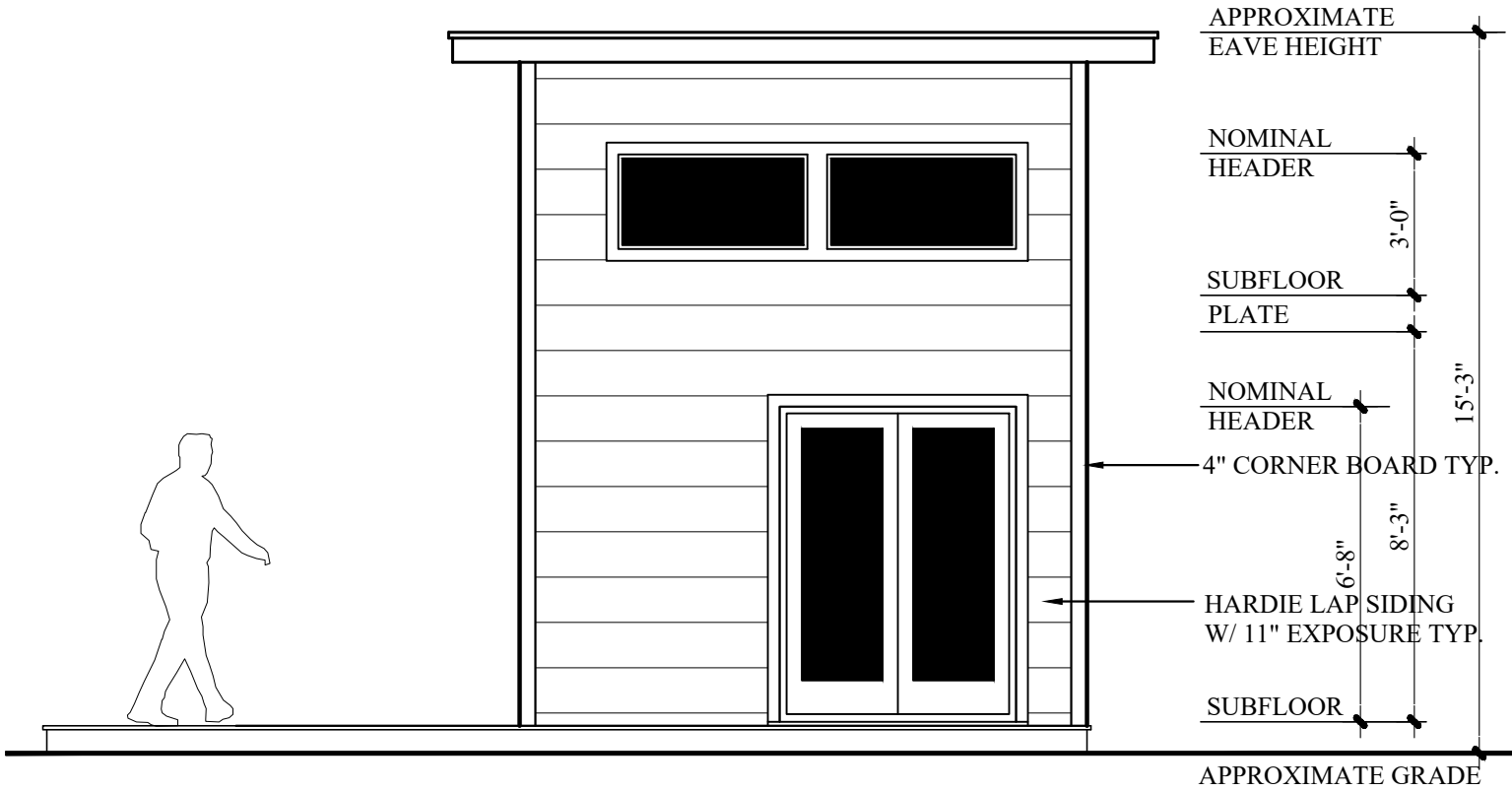
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ROOF PLAN

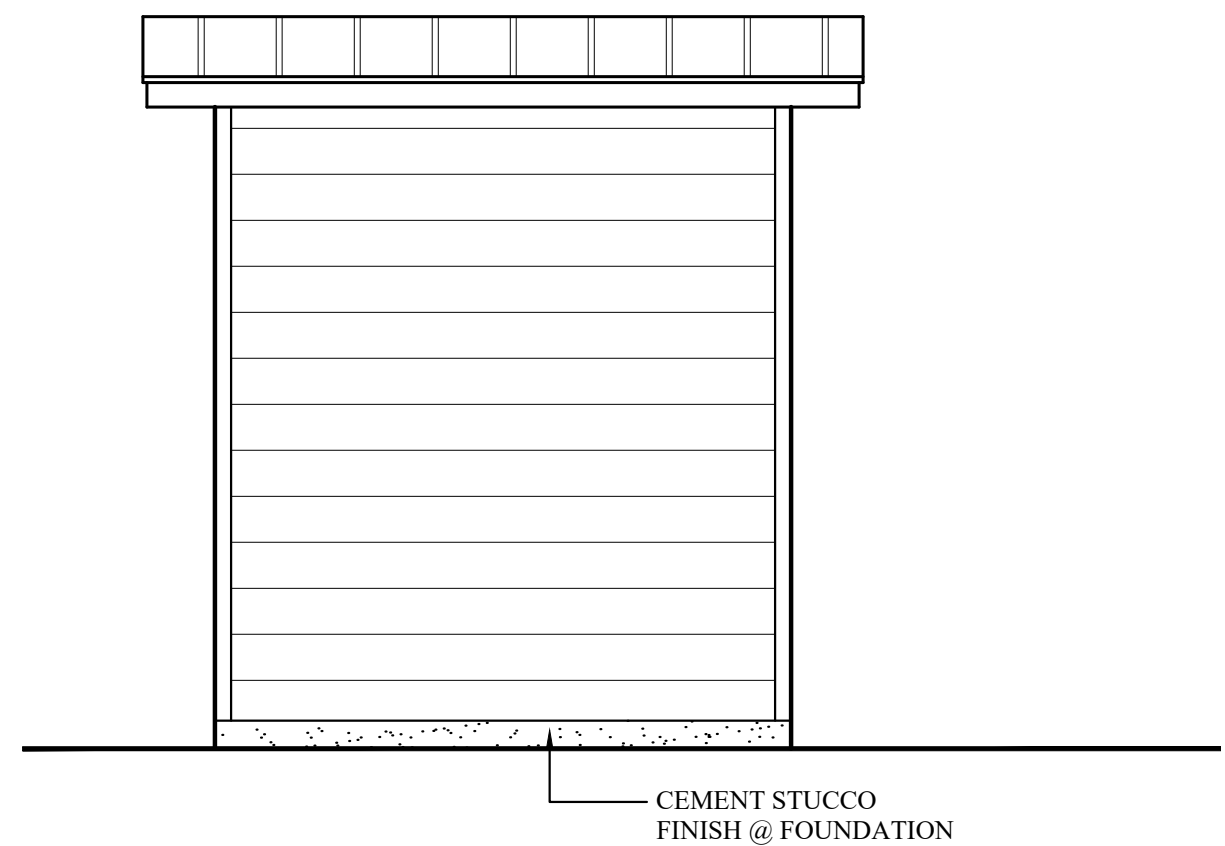
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# FRONT ELEVATION

SCALE: 1/4" = 1'-0"



# REAR ELEVATION

SCALE: 1/4" = 1'-0"



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 FRONT & REAR ELEVATIONS

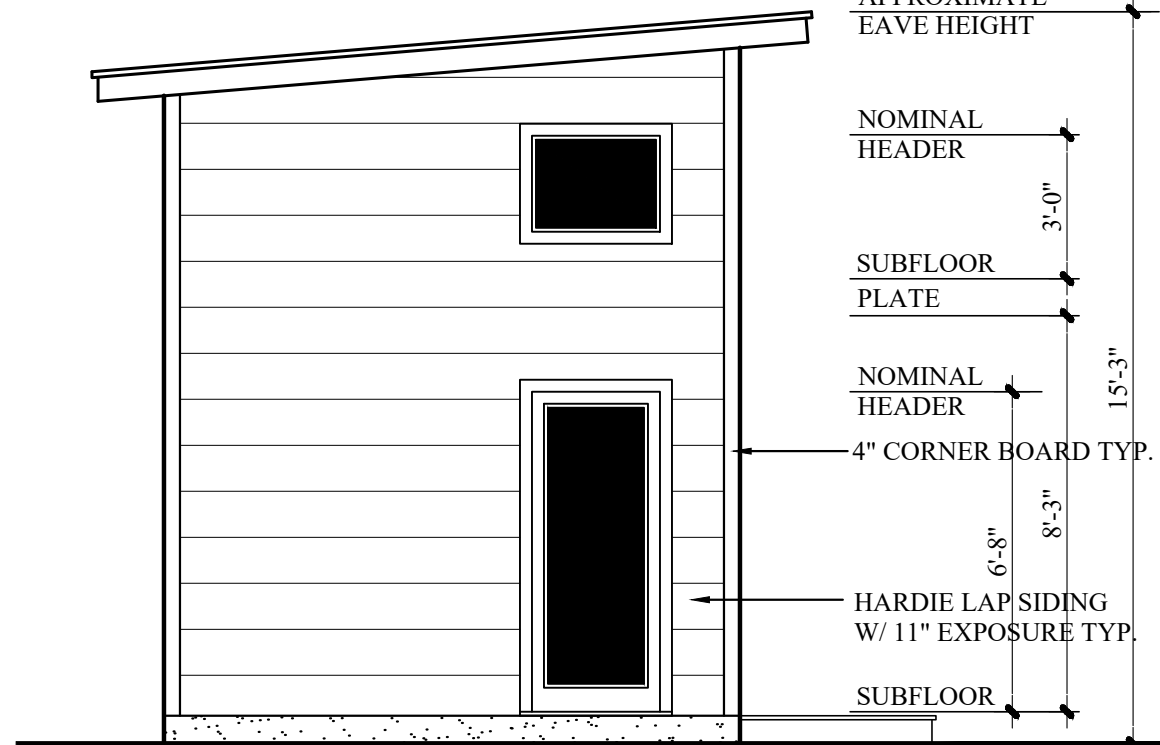
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### RIGHT ELEVATION

SCALE: 1/4" = 1'-0"



### LEFT ELEVATION

SCALE: 1/4" = 1'-0"

APPROXIMATE  
EAVE HEIGHT

NOMINAL  
HEADER

3'-0"

SUBFLOOR  
PLATE

NOMINAL  
HEADER

15'-3"

4" CORNER BOARD TYP.

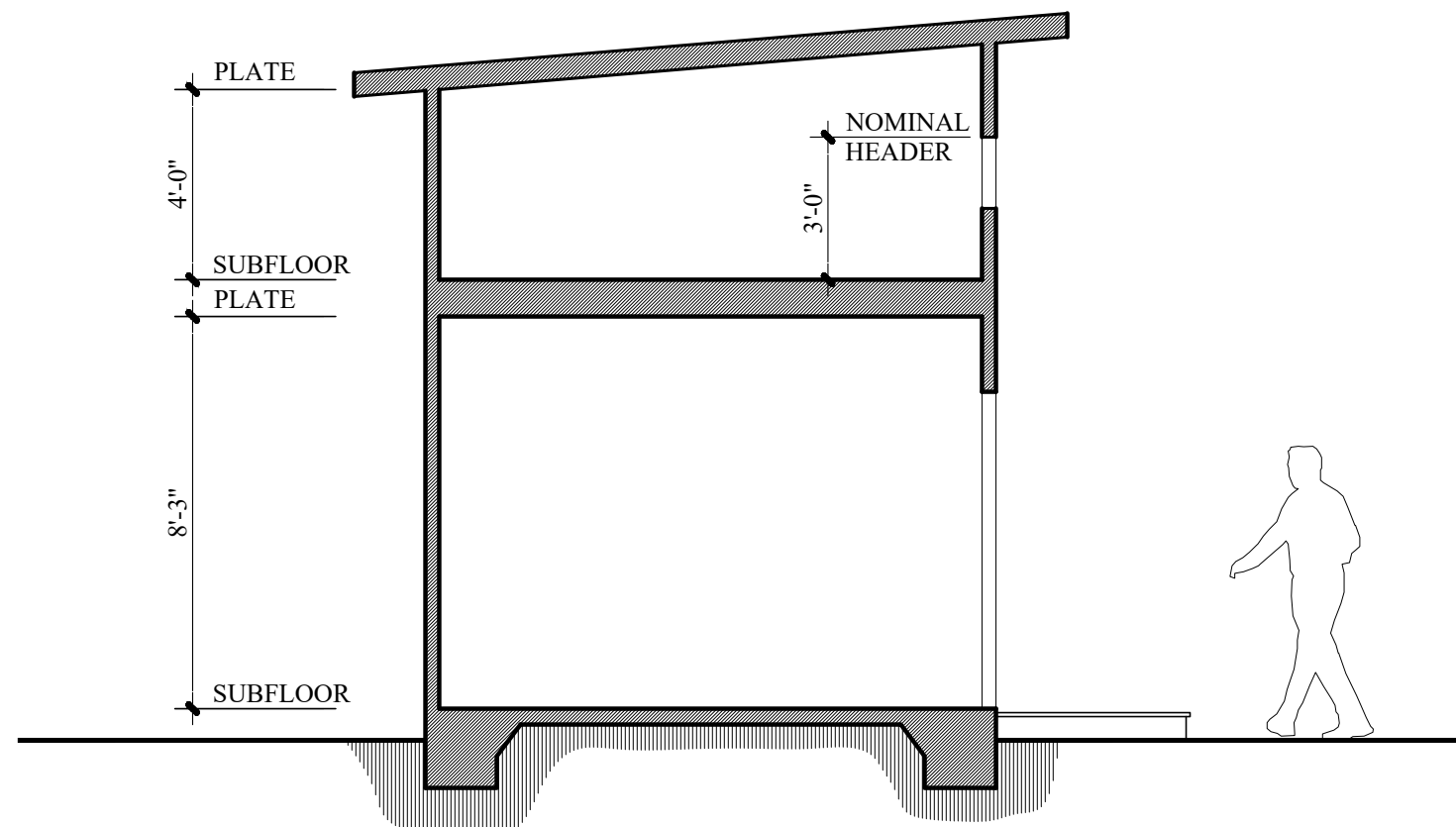
6'-8"

8'-3"

HARDIE LAP SIDING  
W/ 11" EXPOSURE TYP.

SUBFLOOR

APPROXIMATE GRADE



### BUILDING SECTION "A"

SCALE: 1/4" = 1'-0"



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THE LOCAL BUILDING CODES,  
ORDINANCES, RESTRICTIONS  
AND LAWS THAT MAY  
REQUIRE REVISIONS TO THESE  
DRAWINGS, SPECS AND  
DETAILS. STRUCTURAL  
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SHEET TITLE:  
SIDE ELEVATIONS  
BUILDING SECTION

SHEET NUMBER  
**05** OF **5**

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**GAF** Timberline HDZ<sup>®</sup>  
High Definition<sup>®</sup> Lifetime Shingles



## America's #1-selling shingle just got better — again

Now with GAF Time-Release Algae-Fighting Technology and LayerLock™ Technology, Timberline HDZ<sup>®</sup> offers everything you can expect from an architectural shingle roof, and more.



# Timberline HDZ® Shingles

## Benefits:

- **LayerLock™ Technology** — mechanically fuses the common bond between overlapping shingle layers
- **Up to 99.9% nailing accuracy** — the StrikeZone™ nailing area is so easy to hit that a roofer placed 999 out of 1,000 nails correctly in our test<sup>1</sup>
- **WindProven™ Limited Wind Warranty** — when installed with the required combination of GAF Accessories, Timberline HDZ® Shingles are eligible for a wind warranty with no maximum wind speed limitation<sup>3</sup>
- **Dura Grip™ sealant** pairs with the microgranule surface of the Strike-Zone™ nailing area. Then, an asphalt to-asphalt monolithic bond cures for durability, strength, and exceptional wind uplift performance.
- **25-year StainGuard Plus™ Algae Protection Limited Warranty** against blue-green algae discoloration.<sup>2</sup> Proprietary GAF Time-Release Algae-Fighting Technology helps protect your shingles from unsightly stains.
- **For the best look** — use TimberTex® Premium Ridge Cap Shingles or TimberCrest® Premium SBS-Modified Ridge Cap Shingles

## Colors:



## Harvest Blend Colors<sup>5</sup>



## Product details:

### Product/System Specifics

- Fiberglass asphalt construction
- **Dimensions (approx.):** 13 1/4" x 39 3/8" (337 x 1,000 mm)
- **Exposure:** 5 5/8" (143 mm)
- **Bundles/Square:** 3
- **Pieces/Square:** 64
- **StainGuard Plus™ Algae Protection<sup>2</sup> Limited Warranty**
- **Hip/Ridge:** TimberTex®; TimberCrest®; Seal-A-Ridge®; Z®Ridge; Ridglass®<sup>5</sup>
- **Starter:** Pro-Start®; QuickStart®; WeatherBlocker™

### Applicable Standards & Protocols:

- UL Listed to ANSI/UL 790 Class A
- State of Florida approved
- Classified by UL in accordance with ICC-ES AC438
- Meets ASTM D7158, Class H
- Meets ASTM D3161, Class F
- Meets ASTM D3018, Type 1
- Meets ASTM D3462<sup>4</sup>
- Miami-Dade County Product Control approved
- ICC-ES Evaluation Reports ESR-1475 and ESR-3267
- Meets Texas Department of Insurance Requirements
- Rated by the CRRC; Can be used to comply with Title 24 Cool Roof requirements (some colors)

<sup>1</sup> Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence [or eligible second owner(s)] owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. See the *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See the *GAF Roofing System Limited Warranty* for complete coverage and restrictions. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products.

<sup>2</sup> Results based on study conducted by Home Innovation Research Labs, an independent research lab, comparing installation of Timberline HDZ® Shingles to Timberline HDZ® Shingles on a 16-square roof deck using standard 4-nail nailing pattern under controlled laboratory conditions. Actual results may vary.

<sup>3</sup> 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions and qualifying products.

<sup>4</sup> 15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock™ Technology requires the use of GAF Starter Strips, Roof Deck Protection, Ridge Cap Shingles, and Leak Barrier or Attic Ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit [gaf.com/LRS](http://gaf.com/LRS) for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

<sup>5</sup> Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.

<sup>6</sup> Harvest Blend colors are only available on TimberTex® Ridge Cap Shingles, Seal-A-Ridge® Ridge Cap Shingles, and TimberCrest® Premium SBS-Modified Ridge Cap Shingles.

Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.



We protect what matters most™



## Unmatched strength and lasting durability

Achieve commercial-grade strength and lasting durability for your customers' long-term return on investment. Pella Impervia products are made from our proprietary fiberglass material, the strongest material for windows and patio doors, engineered for lasting durability!

## Revolutionary hardware

The patent-pending Easy-Slide Operator simply slides to open, without the effort of cranking, on casement and awning windows.

- **100x more impact resistant<sup>2</sup>**

Pella's fiberglass is 100x more impact-resistant than Andersen's Fibrex windows. You can trust our fiberglass products to be better equipped to stand up to a hammer misfire and other jobsite conditions.

- **Proven performance**

Engineered for the rigorous performance requirements of a commercial building, Pella Impervia products provide outstanding resistance to water, wind and outside noise.<sup>3</sup>

- **Installation solutions and expertise**

With nearly 100 years in business, we've got you covered with products and installation solutions for your exact situation.

- **Exceptional mulling capabilities**

With both interior and exterior accessory grooves on all Pella fiberglass products, you can create larger, unique combinations specifically for your remodel or new construction project. Our extensive factory-mulled options will come preassembled, saving you time on the jobsite.

# Pella® Impervia®

Fiberglass windows and patio doors

## Sleek profiles and more glass

Create bold designs from sleek profiles and more glass with our intentionally-designed products made from our exceptionally strong proprietary fiberglass.

- **Up-to-date color palette**

Achieve your design style with up-to-date frame color options, including Black.

- **Tested beyond requirements**

Tested beyond industry standards and to extremes from -40°F to 180°F, our proprietary fiberglass can handle the most extreme heat and sub-zero cold.<sup>4</sup> Our products are tested beyond industry standards to help ensure less maintenance with fewer callbacks.

- **Durable three-way corner joints**

For added strength, durability and reliable water performance, Pella Impervia products feature corner locks and sashes injected with sealant and fastened with screws.

- **The confidence of a strong warranty<sup>5</sup>**

We know your reputation matters, so we have one of the strongest warranties in the business.

Available in these window and patio door styles:



Special shape windows also available.

<sup>1,2,3,4,5</sup> See back cover for disclosures.



# Delivering unmatched strength, engineered for lasting durability.<sup>1</sup>

Pella's proprietary fiberglass vs. Andersen Fibrex<sup>2, 6, 7</sup>  
Pella Impervia products won't dent, bend or break as much as the competition.

**Won't dent.**  
**100x**  
more impact-resistant

**Won't bend.**  
**10x**  
stronger

**Won't break.**  
**20x**  
the tensile strength

## Product Specifications

Window & Patio Door Styles	Min. Width	Min. Height	Max. Width	Max. Height	Design Pressure	Performance Values			FL #
						U-Factor	SHGC	HVHZ	
Vent Awning	20"	17-1/2"	59-1/2"	59-1/2"	+50/-50	0.18-0.48	0.16-0.55	No	35281
Fixed Awning	13-1/2"	11-1/2"	71-1/2"	79-1/2"	+50/-50	0.16-0.49	0.18-0.63	No	35284
Vent Casement	17-1/2"	20"	37-1/2" <sup>8</sup>	79-1/2"	+50/-50	0.26-0.45	0.18-0.55	No	35278
Fixed Casement	13-1/2"	11-1/2"	71-1/2"	79-1/2"	+50/-50	0.22-0.48	0.20-0.62	No	35284
Vent Double-Hung	17-1/2"	29-1/2"	47-1/2"	77-1/2"	LC30-LC50	0.25-0.49	0.19-0.58	No	12600
Vent Single-Hung	17-1/2"	23-1/2"	47-1/2"	77-1/2"	LC40-LC50	0.24-0.51	0.19-0.59	No	12602
Sliding Window (OX, XO)	23-1/2"	11-1/2"	71-1/2"	71-1/2"	LC30-LC50	0.25-0.50	0.19-0.59	No	12604
Sliding Window (XOX)	47-1/2"	17-1/2"	107-1/2"	71-1/2"	LC30-LC50	0.25-0.50	0.19-0.59	No	12604
Fixed Frame Direct Set	11-1/2"	11-1/2"	143-1/2"	143-1/2"	+50/-55	0.14-0.46	0.18-0.69	No	26584
Sliding Patio Door (One Panel)	27"	71-1/2"	50.-5/8"	119-1/2"	+50/-50	0.17-0.48	0.19-0.59	No	39352
Sliding Patio Door (Two Panel)	59-1/4"	71-1/2"	95-1/4"	119-1/2"	+50/-50	0.17-0.48	0.19-0.59	No	39352
Sliding Patio Door (Three Panel)	91-7/8"	71-1/2"	145-7/8"	119-1/2"	+50/-50	0.17-0.48	0.19-0.59	No	39352

### Window sizes available in 1/8" increments

Maximum square footage rules apply. Maximum width and height cannot exceed the maximum square footage. Special shapes available.  
Two and three-panel sliding patio door configurations that are greater than or equal to 95.5" in height will come knock-down and require field assembly.  
Knock-down will be optional for two and three-panel configurations until 95.5" in height.

## Glass & Additional Energy Efficiency Upgrades

**InsulShield® Low-E Glass<sup>9</sup>** Pella Impervia products offer energy-efficient options that will meet or exceed ENERGY STAR guidelines in all 50 states.<sup>10</sup>



**Advanced Low-E insulating dual- or triple-pane glass with argon**



**Advanced Comfort Low-E insulating dual-pane glass with argon**



**Natural Sun Low-E insulating dual- or triple-pane glass with argon**



**Natural Sun+ Low-E insulating dual-pane glass with argon**

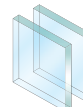


**SunDefense™ Low-E insulating dual- or triple-pane glass with argon**



**SunDefense+™ Low-E insulating dual-pane glass with argon**

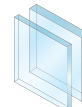
### Additional Glass Options



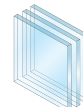
**Tempered glass**



**Laminated (non-impact-resistant)<sup>11</sup> tinted<sup>12</sup> or obscure glass also available on select products**



**STC (Sound Transmission Class) dual-pane sound control glass<sup>13</sup>**



**Triple Pane<sup>14</sup>**



**Impact-resistant glass<sup>15</sup>**

### Foam Insulation Options



Optional foam-insulated frame and sash are available to increase energy efficiency.

## Color & Finishes

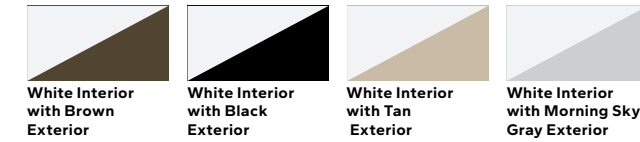
### Frame Colors

Our long-lasting powder-coat finish resists chipping and fading and meets AAMA 624, which is a highly-rated fiberglass finish that will never need to be repainted or refinished.

#### Solid-Color:



#### Dual-Color:



## Window Hardware

### Casement & Awning

The patent-pending Easy-Slide Operator is a revolutionary way to operate casement and awning windows. Simply slide to open, without the effort of cranking. With precision venting technology, the window will open to an exact location. Or select the fold-away crank, that folds neatly away, against the window frame. Neither solution will interfere with roomside window treatments.



Easy-Slide Operator



Fold-Away Crank

#### Color-Matched Finishes:



#### Additional Finish:<sup>16</sup>



Satin Nickel

### Sliding, Single & Double-Hung

Pella's cam-action lock pulls the sashes against the weatherstripping on single-hung, double-hung and sliding windows for a tighter seal.

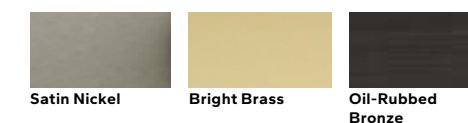


Cam-Action Lock

#### Color-Matched Finishes:



#### Additional Finishes:



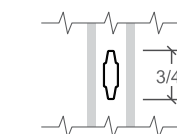
Satin Nickel

Bright Brass

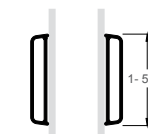
Oil-Rubbed Bronze

## Grilles

Grilles are color-matched to window or patio door interior and exterior frame color.



Aluminum Grilles-Between-the-Glass 3/4"<sup>17</sup>



Applied Grilles<sup>18</sup>

## Patio Door Hardware

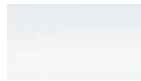
### Sliding Patio Door

Elevate a home's style with sleek hardware selections.



Sliding Patio Door Handle

#### Color-Matched Finishes:



White



Brown



Matte Black



Tan



Morning Sky Gray

#### Additional Finish:



Satin Nickel

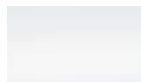
### Secure Vent Lock

A secure vent lock comes standard on all Pella Impervia sliding doors and provides security in both the closed and venting positions. Secure vent lock is color-matched to the interior of the frame.



Secure Vent Lock

#### Color-Matched Finishes:



White



Brown



Matte Black



Tan



Morning Sky Gray

## Patio Door Blinds

### Blinds-Between-the-Glass<sup>19</sup>

Give your homeowners more privacy by adding blinds-between-the-glass. Located between panes of glass, blinds are protected from dust, dirt and damage.



White



Slate Gray



Espresso

**NOTE:** Product specifications may change without notice.

Actual colors may vary from those shown and products may vary slightly from illustrations and photos.

<sup>1</sup> Pella's proprietary fiberglass material has displayed superior strength over wood, vinyl, aluminum, wood/plastic composites, and other fiberglass materials used by leading national brands in tensile and 3-point bend tests performed in accordance with ASTM D638 and D790 testing standards.

<sup>2</sup> Impact testing performance based on testing 10 samples of each material using ASTM D256, Method C.

<sup>3</sup> Pella® Impervia® windows and patio doors have a performance class of LC or higher. For information on product ratings see [www.pella.com/performance](http://www.pella.com/performance).

<sup>4</sup> In testing performed in accordance with ASTM testing standards, Pella's fiberglass has displayed superior performance in strength, ability to withstand extreme heat and cold and resistance to dents and scratches. Special shape windows are made from a fiberglass resin material.

<sup>5</sup> See written limited warranty for details, including exceptions and limitations, at [installpella.com/warranties](http://installpella.com/warranties)

<sup>6</sup> Tensile testing performance based on testing 7 samples of each material using ASTM D638 test methodology.

<sup>7</sup> 3-point bend testing performance based on testing 10 samples of each material using ASTM D790 test methodology.

<sup>8</sup> Vent casement with impact glass max width is 35-1/2".

<sup>9</sup> Optional high-altitude Low-E insulating glass available with or without argon on select products.

<sup>10</sup> Some Pella products may not meet ENERGY STAR® guidelines in Canada. For more information, contact your local Pella sales representative or go to [energystar.gc.ca](http://energystar.gc.ca).

<sup>11</sup> For best performance, the laminated glass may be in the interior or exterior pane of the insulating glass, depending on the product.

<sup>12</sup> Available with Advanced Low-E insulating glass with argon with bronze, gray or green tint on select products.

<sup>13</sup> Sound control glass consists of dissimilar glass thickness (3mm/5mm or 5mm/3mm).

<sup>14</sup> Available on direct set, awning and casement windows and sliding patio doors. Not available with Advanced Comfort Low-E glass.

<sup>15</sup> Available on direct set, casement and awning windows and sliding patio doors only. Not available with grilles-between-the-glass.

<sup>16</sup> Only available for fold-away crank.

<sup>17</sup> Appearance of exterior grille color may vary depending on the Low-E insulating glass selection.

<sup>18</sup> Available on direct set windows only.

<sup>19</sup> Available on all two-panel and select sizes for three-panel sliding patio doors only.



SAFETY DATA SHEET

Section 1. Identification		
Product Identifier:	<b>Exterior Fiber-Cement (Medium Density)</b> – Includes all Generation 6 HZ5 and HZ10 products with the following product names: HardiePlank® lap siding, HardiePanel® vertical siding, HardieSoffit® panel, HardieSoffit®, Beaded Porch Panel, HardieShingle® siding, HardieShingle® notched panels, HardieShingle® individual shingles, Hardie® Reveal™ Panel, 7/16" HardieTrim® boards	
Manufacturer Name, Address and Phone Number:	James Hardie Building Products 231 S. LaSalle Street, Suite 2000 Chicago, IL 60604 1-800-942-7343 (1-800-9HARDIE)	
Emergency Phone Number:	1-800-942-7343 (1-800-9HARDIE)	
Recommended Use:	Exterior Fiber-Cement (Medium Density) is used as an external wall cladding	
Restrictions on Use:	None known	
Section 2. Hazards Identification		
GHS Classification:	Carcinogenity, Category 1A Target Organ Systemic Toxicity Repeated Exposure, Category 1	
GHS Label Element(s): Symbol		
Signal Word	DANGER	
Hazard Statement(s)	May cause cancer if dust from product is inhaled  Causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product	
Precautionary Statement(s)	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust from product. Wash hands and face thoroughly after handling. Use personal protective equipment as required. If exposed or concerned: Get medical advice. If shortness of breath or other health concerns develop after exposure to dust from the product, seek medical attention. Dispose of product in accordance with local, state and national regulations. If there are no applicable regulations, dispose of in a secure landfill, or in a way that will not expose others to dust.	
Section 3. Composition / Information on Ingredients		
CAS#	Chemical Ingredient	%



14808-60-7	Crystalline Silica (Quartz)	15-45%
65997-15-1	Calcium Silicate (Hydrate)	35-65%
471-34-1	Calcium Carbonate	<30%
N/A	Calcium Aluminum Silicate (Hydrate)	<20%
9004-34-6	Cellulose	<15%
1333-86-4	Carbon Black	<1%
<b>Section 4. First Aid Measures</b>		
Inhalation	Acute effects – Dust may cause irritation of the nose, throat and airways, resulting in coughing and sneezing. Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) upon inhaling dust during cutting, rebating, drilling, routing, sawing, crushing or otherwise abrading fiber cement, and when cleaning up, disposing of or moving the dust.	
	Chronic effects – Repeated or prolonged over exposures to crystalline silica can cause silicosis (scarring of the lung) and increases the risk of bronchitis, tuberculosis, lung cancer, renal disease, and scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels, and internal organs.) Some studies suggest that cigarette smoking increases the risk of silicosis, bronchitis and lung cancer in persons also exposed to crystalline silica.	
	Acute silicosis – A sub-chronic disease associated with acute, massive silica exposure, is a rapidly progressive, incurable lung disease that is typically fatal. Symptoms include, but are not limited to, shortness of breath, cough, fever, weight loss and chest pain. Such exposure may cause pneumoconiosis and pulmonary fibrosis.	
	Required treatment – If inhalation of dust occurs, remove to fresh air. If shortness of breath or wheezing develops, seek medical attention.	
Skin	Dust may cause irritation of the skin from friction but cannot be absorbed through intact skin.  If skin contact occurs, wash with mild soap and water. Contact physician if irritation persists or later develops.	
Eyes	Dust may irritate the eyes from mechanical abrasion causing watering or redness.  If eye contact occurs, remove contact lenses (if applicable). Flush with running water or saline for at least 15 minutes. Seek medical attention if redness persists or if visual changes occur.	



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Ingestion	<p>Ingestion is unlikely under normal conditions of use, but swallowing the dust from the product may result in irritation or damage to the mouth and gastrointestinal tract due to alkalinity of dust.</p> <p>If ingestion occurs, dilute by drinking large amounts of water. Do not induce vomiting. Seek medical attention. If unconscious, loosen tight clothing and lay the person on his/her left side. Give nothing by mouth to an individual who is not alert and conscious.</p>
<b>Section 5. Fire-Fighting Measures</b>	
James Hardie® fiber-cement products are neither flammable nor explosive	
Suitable extinguishing techniques:	Appropriate extinguishing techniques for surrounding fire should be used.
Fire-fighting equipment:	Fire fighting personnel should wear normal protective equipment and positive self-contained breathing apparatus.
Special hazards arising from the substance or mixture:	James Hardie® fiber-cement products are neither flammable nor explosive. Hazardous reactions will not occur under normal conditions. Fight fire with normal precautions from a reasonable distance.
<b>Section 6. Accidental Release Measures</b>	
Emergency procedures:	No special precautions are necessary in the event of an accidental release. The following precautions apply to spills or releases of dust generated during cutting, rebating, drilling, routing, sawing, crushing or otherwise abrading fiber cement.
Protective equipment:	<p>Good housekeeping practices are necessary for cleaning up areas where spills or leaks have occurred. Take measures to either eliminate or minimize the creation of dust. Respirable dust and silica levels should be monitored regularly.</p> <p>Wherever possible, practices likely to generate dust should be controlled with engineering such as local exhaust ventilation, dust suppression through containment (e.g. wetting loose dust), enclosure, or covers.</p> <p>Use respiratory protection as described in Section 8.</p>
Proper methods of containment and clean-up:	A fine water spray should be used to suppress dust when sweeping (dry sweeping should not be attempted). Vacuuming with an industrial vacuum cleaner outfitted with a high-efficiency particulate (HEPA) filter is preferred to sweeping. Dispose of product in accordance with local, state and national regulations. If there are no applicable regulations, dispose of in a secure landfill, or in a way that will not expose others to dust.



Section 7. Handling and Storage			
Precautions of safe handling and storage:	<p>Fiber-cement boards in their intact state do not present a health hazard. The controls below apply to dust generated from the boards by cutting, rebating, drilling, routing, sawing, crushing or otherwise abrading fiber cement, and when cleaning up, disposing of or moving the dust.</p> <p>James Hardie® recommended best practices for handling fiber-cement:</p> <p>Keep exposure to dust as low as reasonably possible. Respirable crystalline silica limits are specified by OSHA and MSHA and identified in Section 8 of this MSDS. Exposure to respirable (fine) silica dust depends on a variety of factors, including activity rate (e.g. cutting rate), method of handling (e.g. electric shears), environmental conditions (e.g. weather conditions, workstation orientation) and control measures used.</p> <p>Wherever possible, practices likely to generate dust should be carried out in well ventilated areas (e.g. outside). The work practices and engineering controls set out in Section 8 should be followed to reduce silica exposures.</p> <p>Keep away from reactive products. Do not store near food, beverages or smoking materials. Avoid spilling and creating dust. Maintain appropriate dust controls during handling. Use appropriate respiratory protection during handling as described in Section 8.</p>		
Incompatibilities:	<p>Hydrofluoric acid will dissolve silica and can generate silicon tetrafluoride, a corrosive gas. Contact with strong oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride or oxygen difluoride may cause fires and /or explosions. Furthermore, limestone is incompatible with acids and ammonium salts.</p>		
Section 8. Exposure Controls / Personal Protection			
<p>OSHA Permissible Exposure Standards (PEL): Exposures shall not exceed an 8-hour time weighted average (TWA) limit as stated in 29 CFR 1910.1000 Table Z-3 for mineral dusts, expressed in million particles per cubic feet (Mppcf) and/or milligrams per cubic meter (mg/m<sup>3</sup>). The American Conference of Governmental Industrial Hygienists Threshold Limit Values (TLV are that organization's recommended exposure limits based on an 8-hour TWA.</p>			
	TLV mg/m <sup>3</sup>	PEL Mppsf	PEL mg/m <sup>3</sup>
Crystalline Silica (Quartz) (Respirable)	0.025 mg/m <sup>3</sup> —	250 %SiO + 5	10 mg/m <sup>3</sup> %SiO + 2
Quartz (Total Dust)	—	—	30 mg/m <sup>3</sup> %SiO + 2
Calcium Carbonate (Total Dust) (Respirable)	10 mg/m <sup>3</sup> —	— —	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>

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Calcium Silicate (Total Dust) (Respirable)	— —	— —	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>
Nuisance Dust (Not Otherwise Specified) (Total Dust) (Respirable)	10 mg/m <sup>3</sup> (inhalable) 3 mg/m <sup>3</sup>	50 15	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>
Cellulose (Total) (Respirable)	— —	— —	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>
Carbon Black	3.5 mg/m <sup>3</sup>	—	3.5 mg/m <sup>3</sup>
<p><b>Other limits recommended:</b> The National Institute of Occupational Safety and Health (NIOSH) also has a Recommended Exposure Limit (REL) of 0.05 mg/m<sup>3</sup> for respirable crystalline silica, based on a 10-hour time-weighted average.</p>			
<p><b>Engineering Controls</b></p> <p>Personal protection when handling products that may generate silica dust: (1) follow James Hardie® instructions and best practices to reduce or limit the release of dust; (2) warn others in the area to avoid the dust; (3) when using mechanical saw or high-speed cutting tools, work outdoors and use dust collection equipment, and (4) if no other dust controls are available, wear a NIOSH-approved dust mask or respirator (e.g. N95 dust mask).</p> <p>During clean-up, use a well-maintained vacuum and filter appropriate for capturing fine (respirable) dust or use wet cleanup methods—never dry sweep.</p>			
Cutting Outdoors	<ol style="list-style-type: none"> <li>Position cutting station so that wind will blow dust away from user or others in working area and allow for ample dust dissipation</li> <li>Use one of the following methods based on the required cutting rate and job-site conditions: <ul style="list-style-type: none"> <li><b>BEST</b> <ul style="list-style-type: none"> <li>Score and snap using carbide-tipped scoring knife or utility knife</li> <li>Fiber-cement shears (electric or pneumatic)</li> </ul> </li> <li><b>BETTER</b> <ul style="list-style-type: none"> <li>Dust reducing circular saw equipped with Hardieblade™ saw blade and HEPA vacuum extraction</li> </ul> </li> <li><b>GOOD</b> (for low to moderate cutting only) <ul style="list-style-type: none"> <li>Dust reducing circular saw with Hardieblade™ saw blade</li> </ul> </li> </ul> </li> </ol>		
Cutting Indoors	<ul style="list-style-type: none"> <li>Cut only using score and snap method or with fiber-cement shears (manual, electric or pneumatic)</li> <li>Position cutting station in well-ventilated area to allow for dust dissipation</li> </ul>		



Sanding / Rebating / Drilling / Other Machining	If sanding, rebating, drilling or other machining is necessary, you should always wear a NIOSH-approved dust mask or respirator (e.g. N-95) and warn others in the immediate area.
Clean-Up	During clean-up of dust and debris, NEVER dry sweep as it may excite silica dust particles into the user's breathing area. Instead, wet debris down with a fine mist to suppress dust during sweeping, or use a HEPA vacuum to collect particles.
Important Notes	<ol style="list-style-type: none"> <li>1. For maximum protection (lowest respirable dust production), James Hardie® recommends always using "Best"-level cutting methods where feasible</li> <li>2. NEVER use a power saw indoors</li> <li>3. NEVER use a circular saw blade that does not carry the Hardieblade™ saw blade trademark</li> <li>4. NEVER dry sweep – use wet suppression methods or HEPA vacuum</li> <li>5. NEVER use a grinder or continuous rim diamond blade for cutting</li> <li>6. ALWAYS follow tool manufacturer's safety recommendations</li> </ol>

### Personal Protective Equipment

- **Respiratory** – If respirators are selected, use and maintain in accordance with ANSI Standard (Z88.2) for particulate respirators. Select respirators based on the level of exposure to crystalline silica as measured by dust sampling. Use respirators that offer protection to the highest concentrations of crystalline silica if the actual concentrations are unknown. Put in place a respiratory protection and monitoring program that complies with MSHA or OSHA (e.g. 29CFR1910.134) standards, which include provisions for a user training program, respirator repair and cleaning, respirator fit-testing and other requirements. Comply with all other applicable federal and state laws.
- **Eye** – When cutting material, dust resistant safety goggles / glasses should be worn and used in compliance with ANSI Standard Z87.1 and applicable OSHA (e.g. 29CFR1910.133) standards.
- **Skin** – Loose comfortable clothing should be worn. Direct skin contact with dust and debris should be avoided by wearing long sleeved shirts and long trousers, a cap or hat, and gloves. Work clothes should be washed regularly.

### Section 9. Physical and Chemical Properties

Appearance and odor: Solid gray boards with varying dimensions according to product. Some product may have a surface coat of water-based acrylic paint or acrylic sealer

Vapor Pressure: Not relevant

Flash Point: Not relevant

Specific Gravity: Not relevant

Autoignition Temperature: Not relevant

Flammability Limits: Not relevant

Volatility: Not relevant

Boiling Point: Not relevant

Solubility in water: Not relevant



Melting Point: Not relevant	Evaporation rate: Not applicable
<b>Section 10. Stability and Reactivity</b>	
Stability:	Crystalline silica and limestone are stable under ordinary conditions
Conditions to Avoid:	Excessive dust generation during storage and handling
Materials to Avoid:	Hydrofluoric acid will dissolve silica and can generate silicon tetrafluoride, a corrosive gas. Contact with strong oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride or oxygen difluoride may cause fires and /or explosions. Furthermore, limestone is incompatible with acids and ammonium salts.
<b>Section 11. Toxicological Information</b>	
Routes of exposure:	Fiber-cement is not toxic in its intact form. The following applies to dust that may be generated during cutting, rebating, drilling, routing, sawing, crushing or otherwise abrading fiber cement.
Related symptoms:	<p>Repeated and prolonged overexposures to dust containing crystalline silica can cause silicosis (scarring of the lung) and increases the risk of bronchitis, tuberculosis, lung cancer, renal disease and scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs). Some studies suggest that cigarette smoking increases the risk of silicosis, bronchitis, and lung cancer in persons also exposed to crystalline silica. Acute silicosis is a rapidly progressive, incurable lung disease that is typically fatal. Symptoms include, but are not limited to: shortness of breath, cough, fever, weight loss and chest pain. Such exposure may cause pneumoconiosis and pulmonary fibrosis.</p> <p>The following relates to health effects of cellulose: Based on limited animal research, it is possible that repeated chronic inhalation exposure to cellulose fiber dust over time may lead to inflammation and scarring of the lung in humans. Precautions taken for crystalline silica dust will protect against cellulose.</p> <p>Medical conditions generally aggravated by exposure – Pulmonary function may be reduced by inhalation of respirable crystalline silica and / or cellulose. If lung scarring occurs, such scarring could aggravate other lung conditions such as asthma, emphysema, pneumonia or restrictive lung diseases. Lung scarring from crystalline silica may also increase risks to pulmonary tuberculosis.</p> <p>Smoking – some studies suggest that cigarette smoking increases the risk of occupational respiratory diseases, including silica-related respiratory diseases.</p>
Acute and chronic effects:	<ul style="list-style-type: none"><li>• Acute toxicity – not classified</li><li>• Skin corrosion / irritation – not classified</li><li>• Serious eye damage / irritation – not classified</li><li>• Respiratory or skin sensitization – not classified</li><li>• Germ cell mutagenicity – not classified</li></ul>

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	<ul style="list-style-type: none"> <li>• Carcinogenity – may cause cancer if dust from product is inhaled</li> <li>• Specific target organ toxicity (repeated exposure) – causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product</li> </ul>
Carcinogenity:	<p>California Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer</p> <p>International Agency for Research on Cancer (IARC): Crystalline silica inhaled in the forms of quartz or cristobalite from occupational sources is carcinogenic to humans</p> <p>Carbon black is possibly carcinogenic to humans</p> <p>The National Toxicology Program (NTP): NTP has concluded that respirable crystalline silica is a known human carcinogen</p> <p>LD50 (Silicon dioxide): Rat oral &gt;22,500 mg / kg Mouse oral &gt; 10,500 mg/kg</p>
<b>Section 12. Ecological Information</b>	
<p>There is a very limited amount of ecological data available on the effects of releases that may occur from this product being released into the environment. Clean up of the spilled product would not be expected to leave any hazardous material that could cause a significant adverse impact. There is a limited amount of ecological data available on crystalline silica, primarily because it is a naturally occurring mineral. An adequate representation of these data is beyond the scope of this document.</p>	
<b>Section 13. Disposal Considerations</b>	
<p>Dispose of material as inert, non-metallic mineral in conformance with local, state and federal regulations. Crystalline silica and limestone is not a RCRA hazardous waste.</p>	
<b>Section 14. Transport Information</b>	
<p>There are no special requirements for storage and transport</p>	
UN No:	None allocated
Dangerous goods class:	None allocated
Hazchem code:	None allocated
Poisons schedule:	None allocated
Packing group:	Not applicable
Label:	Not a DOT hazardous material. Local regulations may apply
<b>Section 15. Regulatory Information</b>	
DOT hazard classification:	None
Placard requirement:	Not a DOT hazardous material. Local placarding regulations may apply





California Proposition 65:	<b>Warning: Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer.</b>
CERCLA hazardous substance (40CFR Part 302):	<b>Listed substance: No Unlisted substance: No Reportable quantity (RQ): None Characteristic(s): Not applicable RCRA waste number: Not applicable</b>
SARA. Title III. Sections 302 / 303 (40CFR part 355 – Emergency Planning and Notification):	<b>Extremely hazardous substance: No</b>
SARA. Title III. Section 311 / 312 (40CFR part 370 – Hazardous Chemical Reporting: Community Right-To-Know):	<b>Acute: Yes Chronic: Yes Fire: No Pressure: No Reactivity: No</b>
SARA. Title III. Section 313 (40CFR part 372 – Toxic Chemical Release Reporting: Community Right-To-Know	<b>Not a RCRA hazardous waste</b>
TSCA Inventory List:	<b>Yes</b>
TSCA 8(d):	<b>No</b>
<b>Section 16. Other Information</b>	
Prepared by Jeff Fry	<b>Issue Date: 06/01/15</b>



Read label before use			
<b>FIBER CEMENT</b> Contains: Crystalline Silica (quartz) 10-30% Calcium Silicate (hydrate) 10-60% Cellulose fiber<10%			
<b>DANGER</b> May cause cancer if dust from product is inhaled. Causes damage to lungs and respiratory system through prolonged or repeated inhalation of dust from product.			
<b>Prevention</b> Refer to the product Safety Data Sheet before use. Do not handle until all safety precautions have been read and understood.  Do not breathe dust from the product. Do not eat, drink or smoke when using this product. Wear personal protective equipment, as specified below.	<b>Response:</b> Wash hands and face thoroughly after handling. If exposed or concerned: Get medical advice. If shortness of breath or other health concerns develop after exposure to dust from the product, seek medical attention.	<b>Storage:</b> Fiber cement is not a health hazard when handled or stored in its original, unaltered condition	<b>Disposal:</b> Dispose of product in accordance with local, state and national regulations. If there are no applicable regulations, dispose of in a secure landfill, or in a way that will not expose others to dust.
The hazard associated with fiber cement arises from the crystalline silica present in dust generated by activities such as cutting, rebating, drilling, routing, sawing, crushing, or otherwise abrading fiber cement, and when cleaning up, disposing of or moving dust. When doing any of these activities in a manner that generates dust: (1) follow James Hardie instructions and best practices to reduce or limit the release of dust; (2) warn others in the area to avoid dust; (3) work outdoors and use vacuum dust collection when using mechanical saws or other high speed cutting tools; (3) work outdoors and use appropriate vacuum dust collection when using mechanical saws or other high speed cutting tools and (4) wear a dust mask or respirator that meets applicable national regulations, as specified below.  During clean-up, use a well maintained vacuum and filter appropriate for capturing respirable fine dust or use wet cleanup methods - never dry sweep.  If using a dust mask or respirator, always use a NIOSH-approved dust mask or respirator (e.g., the N 95 dust mask).			
<b>WARNING:</b> This product contains a chemical known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov/product">www.P65Warnings.ca.gov/product</a> .			
James Hardie Building Products, Inc. 231 S. LaSalle St., Suite 2000 Chicago, IL 60604 USA <b>1-888-JHARDIE</b> <a href="http://www.jameshardie.com">www.jameshardie.com</a> <a href="http://www.jhsafesite.com">www.jhsafesite.com</a>			

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