ethos

PO Box 3125, Savannah, GA 31402
912 349 9617

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info@ethospreservation.com

107 East Waldburg Street
(PIN: 20044 26012)
Project Description

The building at 107 East Waldburg Street is a contributing resource in the Victorian Historic Overlay District, which has a period of significance from 1870 to 1923. This COA application covers the repair and rehabilitation of the structure. Proposed alterations restore the historic appearance of the structure by reversing alterations that occurred after 1966 and 1983, outside of the period of significance. These alterations are:

1. Removing the second story front porch and repairing the roof over the first-story front porch (Material: GAF Timberline HDZ shingles)
2. Removing the center door on the first story and replacing it with a two-over-two wood window to match the photographs from 1966 and 1983 (Material: custom-built two-over-two 5/8" true divided light double hung wood window)
3. Removing the western first story door and replacing it with a pair of custom-built half-lit wood doors with panels to match the photograph from 1966; the door will have a single pane of privacy glass in each door and the two-pane transom above will be restored
4. Removing the front door on the second story and replacing it with a two-over-two wood window to match the photograph from 1966 (Material: custom-built two-over-two 5/8" true divided light double hung wood window)
5. Installation of operable shutters on the north elevation only, since one pair of shutters is visible in the 1966 photograph and shutters are also present in the 1983 photograph (Material: Aeratis custom louvered shutters with a division even with the meeting rail of each window)

The project also consists of significant repair and work to correct deferred maintenance. These items include:

1. Repairing, scraping, and painting all exterior siding and trim
2. Removing all vegetation
3. Repointing the foundation with Argos Type N lime-based mortar and repainting it
4. Reglazing and painting windows as needed
5. Installing new pendant light and ceiling fan on the porch (Material: Cotswold Lane 4-light pendant and Hunter low-profile fan) and removing existing porch light
6. Roof repair (Material: GAF Timberline HDZ shingles)
7. Gutter installation (Material: Amerimax Aluminum K-Style Gutter)

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8. Installation of shed roof over rear door to prevent splash back on doorframe (Material: GAF Timberline HDZ shingles)
9. Installation of exterior lights surrounding rear door (Material: Fluted Trim Outdoor Sconce)

Exterior work that is not visible from any right-of-way includes:

1. Creation of a new outdoor living space in the rear yard with brick pavers (screened from the lane by the existing fence)
2. Installing new foundation infill between this house and 111 East Waldburg Street, where it is currently open (screened by the adjacent property and fences)
3. Wood columns and balusters will be installed to support the new shed roof over the rear door, along with brick steps (this work is screened by the existing fence)

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Façade on East Waldburg Street

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Rear Elevation and Surrounding Context, from East Waldburg Lane

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Building History

According to the Cuthbert Ward Notebook, compiled by the Historic Savannah Foundation in 1966, the house at 107 East Waldburg Street was built in 1875 for Thaddeus Bates. The building was originally one-story, which is confirmed by the 1888 and 1898 Sanborn Fire Insurance Maps. A building permit for this address was pulled in October 1907 to remodel the house, add a second story, and a "front piazza." This design appears on the 1916, 1950, 1953, 1955, and 1966 Sanborn Fire Insurance Maps, as well as the field sketch from the Cadastral Survey in March 1937. Notably, the property has had a one-story front porch throughout the historic period.

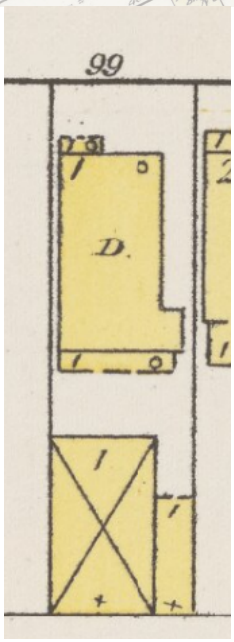
The current second story front porch was added on top of the historic front porch roof between 1983, where it is not present on the MPC survey photo, and November 2007, when it does appear in Google Streetview imagery of the property. Based on the materials, this second story front porch is believed to have been added in the late 1980s or early 1990s, outside of the district's period of significance. The second story front porch addition also corresponds to the period the house was converted into a duplex; the historic front door was replaced between 1966 and 1983, sidelights were removed, and additional doors were added on the façade. The historic two pane transom is still present. The lattice covering the gap between the floor of the second story porch and the roof of the historic porch was added in 2019.

Throughout most of its history, the property had a variety of carriage houses, sheds, and garages present on the lane. All these rear structures had been demolished by October 2014, the earliest Google Streetview imagery of the lane. The existing rear fence was completed along with other minor renovations of the property in 2019.

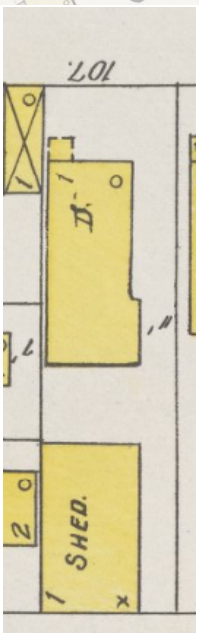
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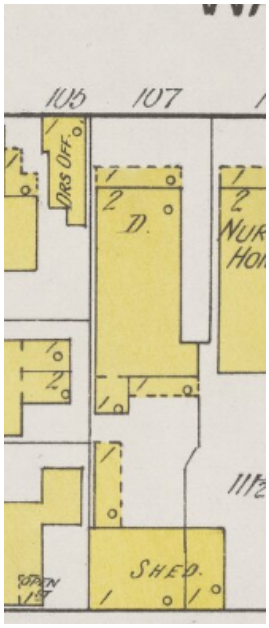
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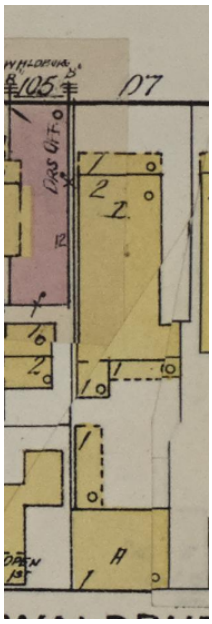
1888 Sanborn
(shown as 99)



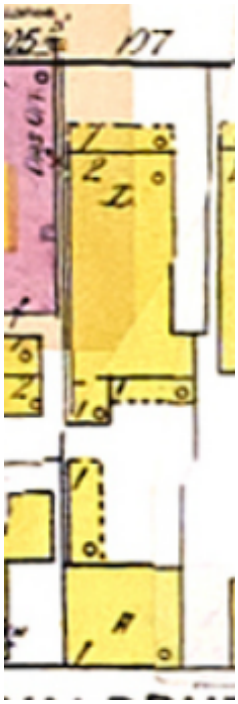
1898 Sanborn



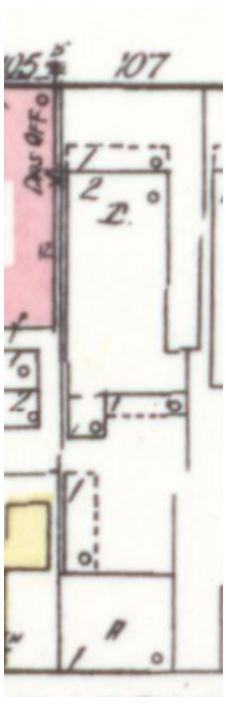
1916 Sanborn



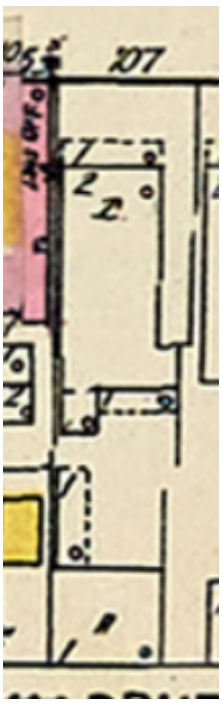
1950 Sanborn



1953 Sanborn



1955 Sanborn

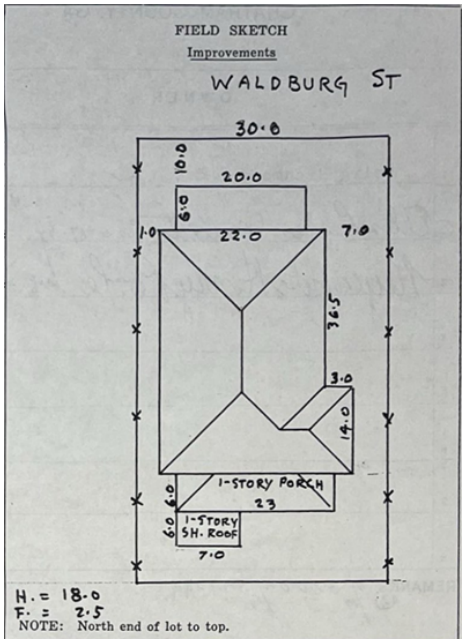


1966 Sanborn

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Cadastral Survey conducted on March 2, 1937.

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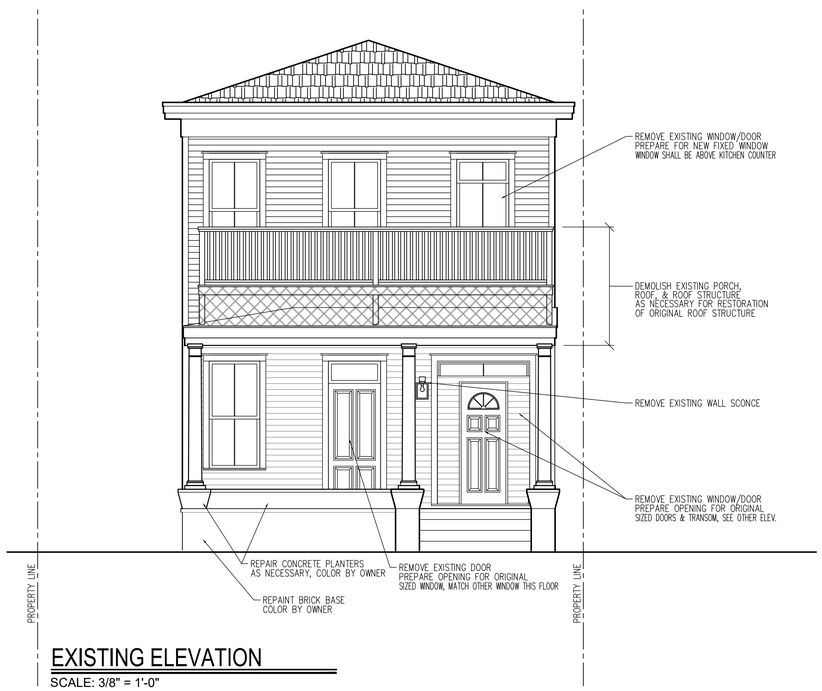
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107 East Waldburg Street c.1966, from the Savannah Downtown Ward Notebooks.

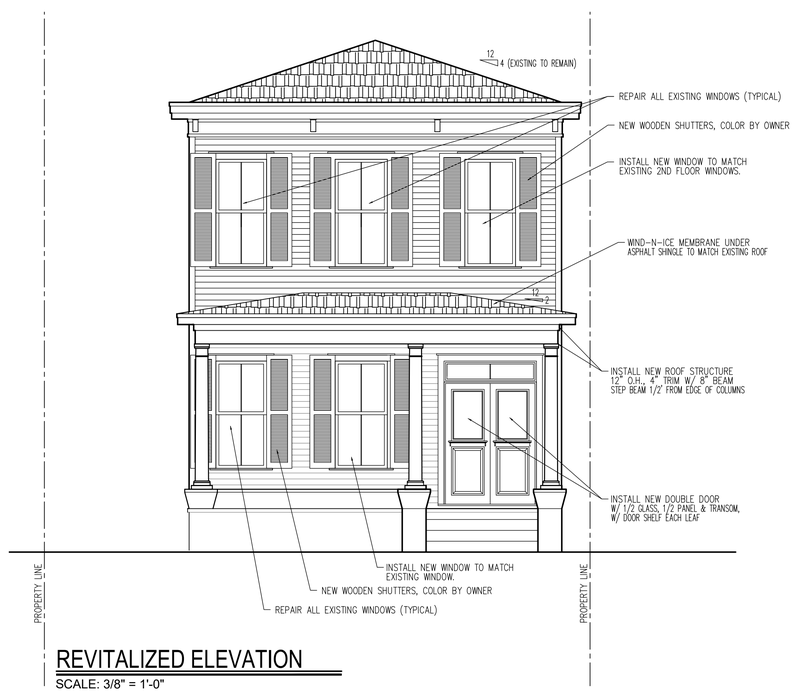


107 East Waldburg Street c.1983, from the MPC vertical files.



EXISTING ELEVATION

SCALE: 3/8" = 1'-0"



REVITALIZED ELEVATION

SCALE: 3/8" = 1'-0"

STATE OF GEORGIA
DEMETRIUS FRANKLIN HUDDLESTON
CERTIFICATE NO. 13198
REGISTERED ARCHITECT

DEMETRIUS HUDDLESTON
Architect
SAVANNAH, GEORGIA
912.667.8830
archimeech@aol.com

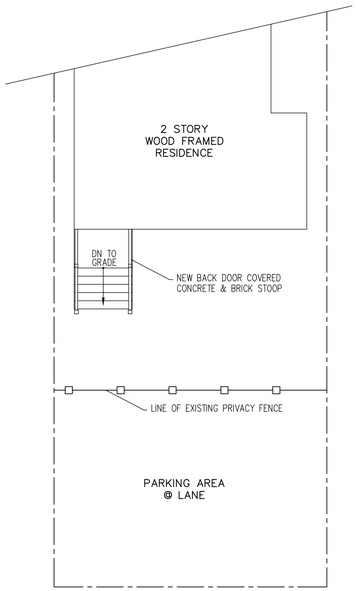
REVITALIZATION OF ELEVATIONS
107 EAST WALDBURG STREET
SAVANNAH, GEORGIA

THE PLANS ELEVATIONS, DRAWINGS, ILLUSTRATIONS, AND OTHER MATERIAL CONTAINED WITHIN THIS SET ARE THE PROPERTY OF DEMETRIUS F. HUDDLESTON, ARCHITECT, AND MAY NOT BE REPRODUCED, EITHER IN PART OR WHOLLY, IN ANY MANNER WITHOUT THE EXPRESS WRITTEN PERMISSION ON DEMETRIUS F. HUDDLESTON. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS CONTAINED WITHIN THIS SET OF DOCUMENTS AND SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR IMMEDIATE RESOLUTION.

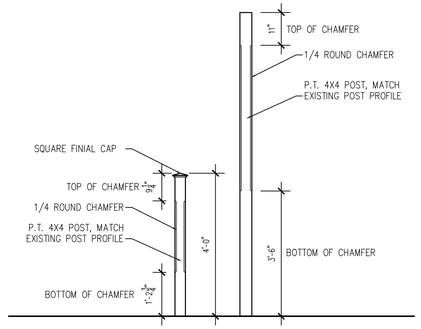
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CHECKED BY	DFH
DATE	20240628
SCALE	AS SHOWN
JOB NO.	- -

A-1
SHEET

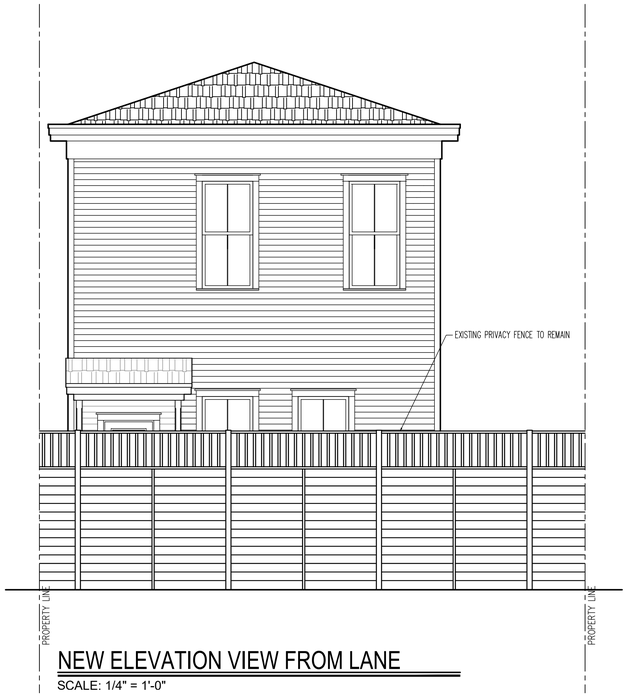
24x36 SHEET SIZE



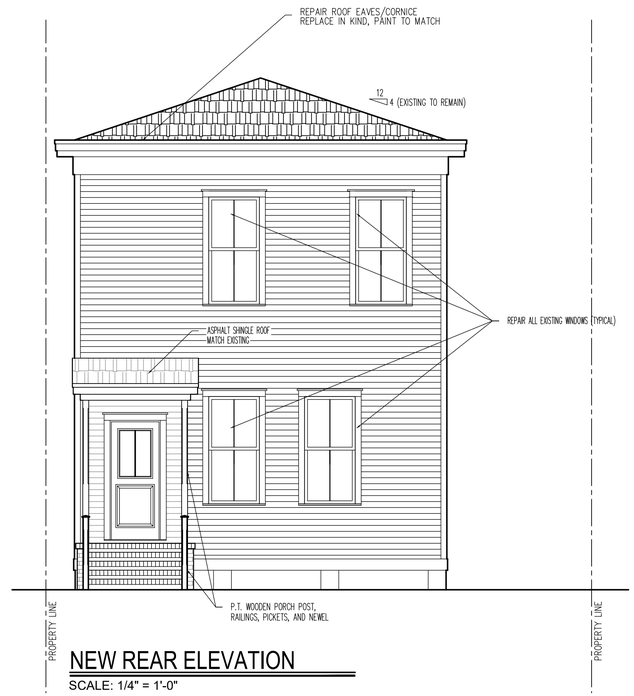
REAR STOOP SITE PLAN
SCALE: 1/8" = 1'-0"



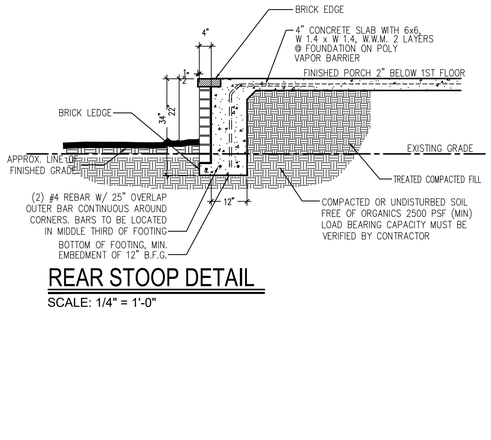
REAR STOOP COLUMN & NEWEL
SCALE: 1/4" = 1'-0"



NEW ELEVATION VIEW FROM LANE
SCALE: 1/4" = 1'-0"

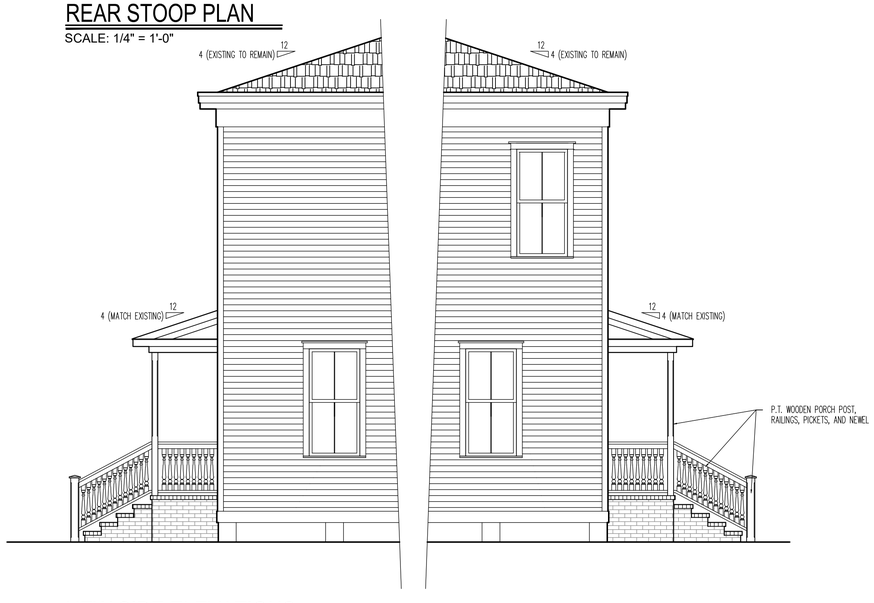


NEW REAR ELEVATION
SCALE: 1/4" = 1'-0"

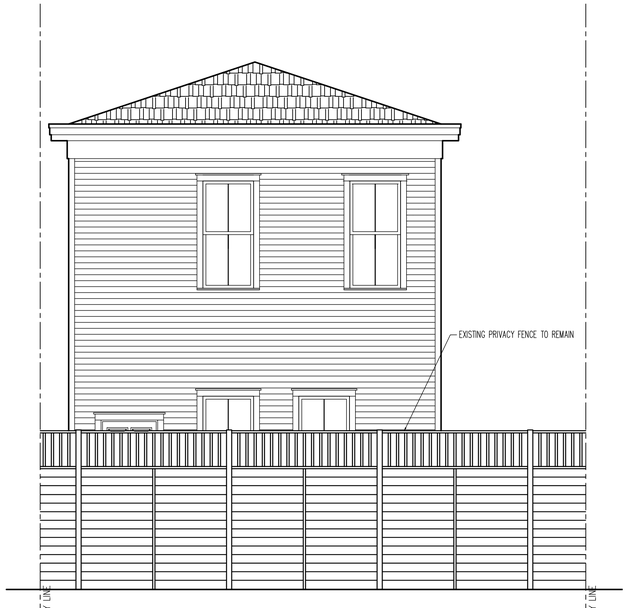


REAR STOOP PLAN
SCALE: 1/4" = 1'-0"

REAR STOOP DETAIL
SCALE: 1/4" = 1'-0"



NEW SIDE ELEVATIONS
SCALE: 1/4" = 1'-0"



EXISTING ELEVATION VIEW FROM LANE
SCALE: 1/4" = 1'-0"



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

STATE OF GEORGIA
DEMETRIUS
FRANKLIN
HUDDLESTON
CERTIFICATE NO. 13198
REGISTERED ARCHITECT

DEMETRIUS
HUDDLESTON
Architect
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archimeech@aol.com

REVITALIZATION OF EXISTING
107 EAST WALDBURG STREET
SAVANNAH, GEORGIA

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CHECKED BY	DFH
DATE	20240628
SCALE	AS SHOWN
JOB NO.	

A-2
SHEET

24x36 SHEET SIZE

Date:
Customer:
Project:
Location:
General Contractor:

Certificate of Compliance
Argos Magnolia® Masons Mix Masonry Cement Type N
Manufactured at Argos USA – Roberta, AL Plant

This is to certify that each bag of Argos Magnolia® Masons Mix Type "N" Masonry Cement as manufactured by Argos at its Roberta AL plant, fully complies with ASTM specification C91.

Furthermore, when Argos Type "S" masonry cement is mixed at the rate of 1 cubic foot (1 bag) masonry cement to 2 ¼ to 3 cubic feet of masons sand complying with ASTM C144 and clean water, the resultant mortar will exceed the property requirements of ASTM C270, Table II, provided that all the stated ingredients are mixed and tested in full accordance with all the applicable provisions of ASTM C270. By so doing the resultant mortar will exceed the property requirements of ASTM C270, Table 2, provided that all the stated ingredients are mixed and tested in full accordance with all of the applicable provisions of ASTM C270.

Please note that ASTM C270 is a laboratory test procedure only and is specifically not to be used to determine mortar strengths or other properties through field-testing. For field testing procedures, refer to ASTM C780.

Limited Warranty

Argos warrants that Argos Cements meet applicable ASTM requirements. Argos makes no other warranty, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY of merchantability or fitness for a particular purpose, ALL OF WHICH ARE EXPRESSLY DISCLAIMED. Having no control over their use, Argos will not guarantee finished work in which these products are used.



Bill Kjorlien
Masonry Technical Service Manager
Argos USA LLC
bkjorlien@argos-us.com; (404) 307-5992

Residential **Reference Guide**

The one-stop guide from North America's largest roofing manufacturer



GAF shingles and roof accessories are made to work together. They provide a system that's built to protect homes—so the people who live inside them can enjoy what matters most.

We protect what matters most™

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Trust the diamonds

Whether it's warranty coverage that gives homeowners peace of mind or technology that makes their roof look and perform its best, there's a GAF diamond badge behind it.

	Install any GAF Lifetime† Shingle and get a **Lifetime† Limited Warranty** on your qualifying shingle. Install any GAF Lifetime† Shingle and at least 3 qualifying GAF Accessories, and get a **Lifetime† Limited Warranty** on your qualifying GAF products.
	**GAF Advanced Protection® Shingle Technology** uses highly advanced design and manufacturing techniques to produce cutting-edge roofing products.
	**Dura Grip™ Adhesive** helps protect your roof investment from winds and wind-driven rain.
 	Comes with a **25-year StainGuard Plus™** or **30-year StainGuard Plus PRO™** (as indicated) **Algae Protection Limited Warranty**[1] against blue-green algae discoloration and GAF Time-Release Algae-Fighting Technology, which releases copper over time for long-lasting algae-fighting power.
	**StainGuard® Algae Protection**[2] is a 10-year limited warranty against blue-green algae discoloration.
	**LayerLock® Technology** is a proprietary technology which mechanically fuses the common bond between overlapping shingle layers.
	**WindProven™ Limited Wind Warranty**[3] is a 15-year limited wind warranty with no maximum wind speed limitation — available when you install the LayerLock®-labeled Shingles as well as GAF starter strips, roof deck protection, ridge cap shingles, and leak barrier or attic ventilation.
	**25-Year Limited Warranty Term**[4] gives homeowners protection they can trust.
	Patent-pending **Dual Shadow Line** for sunset shadows all day long.

† 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 for qualifying GAF products.

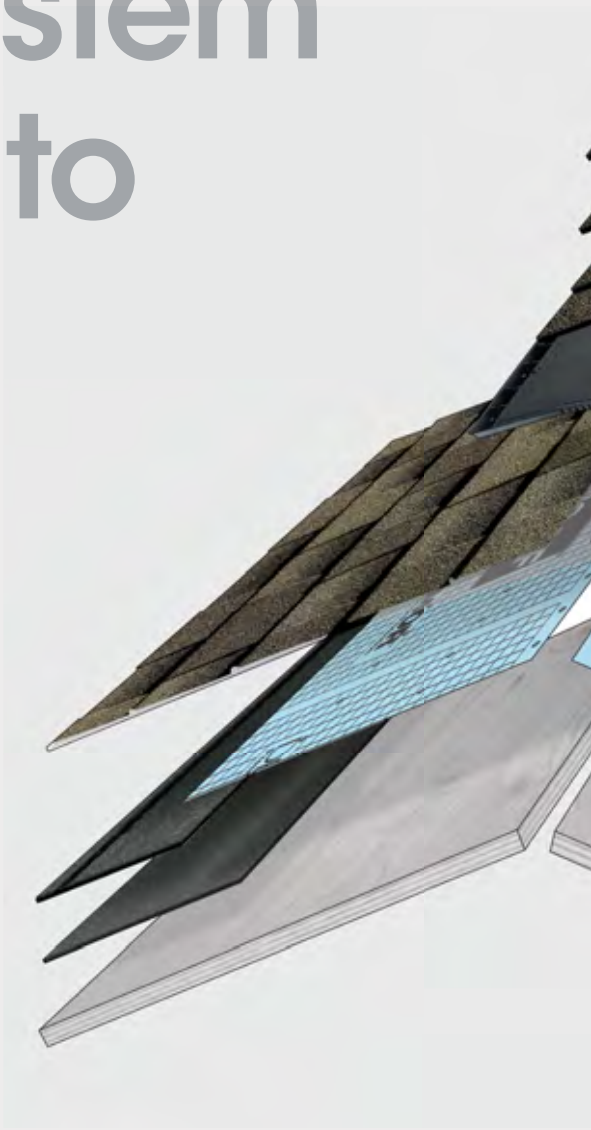
[1] The 25-year StainGuard Plus™ or the 30-year StainGuard Plus PRO™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the appropriate StainGuard Plus™ or StainGuard Plus Pro™ logos. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions, and qualifying products.

[2] 10-year StainGuard® Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard® logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions, and qualifying products.

[3] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

[4] See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

Trust the system that's built to protect



A roof is so much more than shingles. It's layers of protection, working together to help keep your home safe from wind, rain, snow, and even sun.

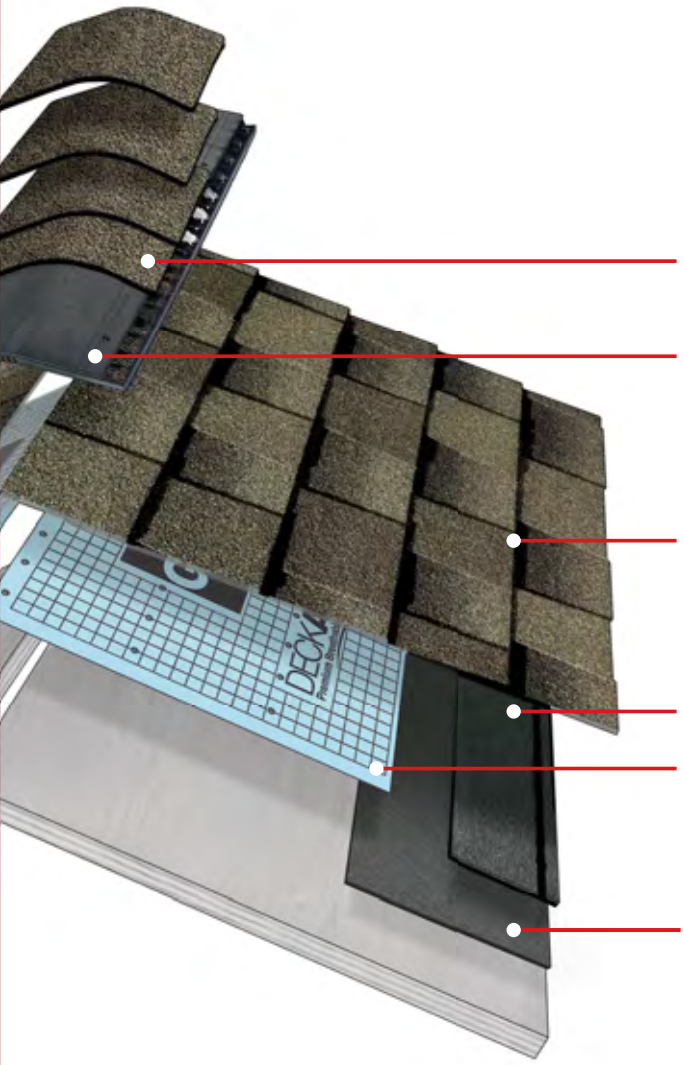
Install any GAF Lifetime† Shingle and at least 3 qualifying GAF Accessories and get a Lifetime† limited warranty on your qualifying GAF products plus non-prorated coverage for the first 10 years. For even stronger coverage, ask your GAF factory-certified contractor[1] about enhanced GAF warranties.

Visit **gaf.com/LRS** for a list of qualifying GAF products.



Visit **gaf.com/Lifetime**





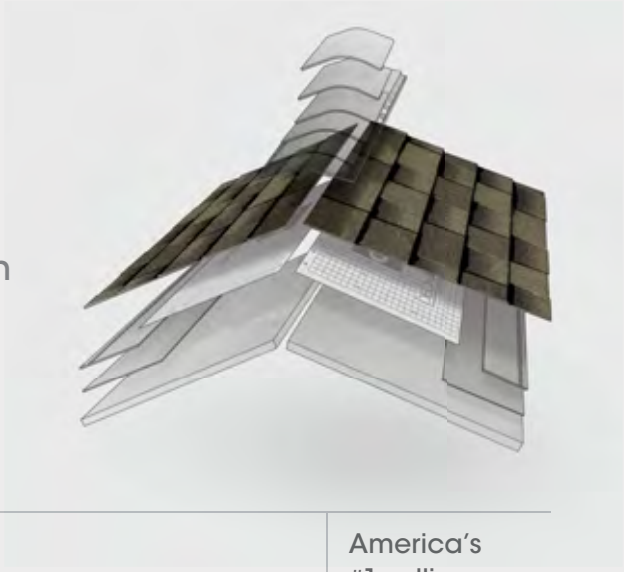
- Ridge Cap Shingles (6)
- Cobra® Attic Ventilation (5)
- Lifetime† Shingles (4)
- Starter Strip Shingles (3)
- Roof Deck Protection (2)
- Leak Barrier (1)

† 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 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 for qualifying GAF products.

[1] Contractors enrolled in GAF certification programs are not employees or agents of GAF, and GAF does not control or otherwise supervise these independent businesses. Contractors may receive benefits, such as loyalty rewards points and discounts on marketing tools from GAF for participating in the program and offering GAF enhanced warranties, which require the use of a minimum amount of GAF products.

Timberline® Lifetime† Shingles Collection

More homeowners in North America rely on Timberline® Shingles than any other brand. They offer just the right combination of beauty, performance, and reliability.



Timberline HDZ® pg 7–8		WindProven™ Infinite Wind Speed Protection[1] · LayerLock® Technology · StainGuard Plus Algae Protection · Advanced Protection™ Technology	America's #1-selling shingle—now featuring the industry's widest nail zone
Timberline® UHDZ™ pg 7 & 9		WindProven™ Infinite Wind Speed Protection[1] · LayerLock® Technology · StainGuard Plus Pro Algae Protection · Advanced Protection™ Technology · Dual Shadow Line	For a highly dimensional wood-shake look in an asphalt shingle
Timberline® NS pg 10		StainGuard Algae Protection · Advanced Protection™ Technology	The beauty of natural wood shakes in an asphalt shingle
Timberline® CS pg 11		WindProven™ Infinite Wind Speed Protection[1] · LayerLock® Technology · StainGuard Plus Algae Protection · Advanced Protection™ Technology · EcoDark® Granules	Our most reflective shingle

For specifications see pages 20–21



For the full collection visit **gaf.com/Timberline**

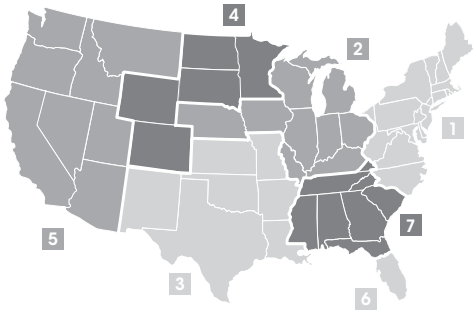
GAF LIFETIME† LIMITED WARRANTY TERM

[1] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

Color Availability

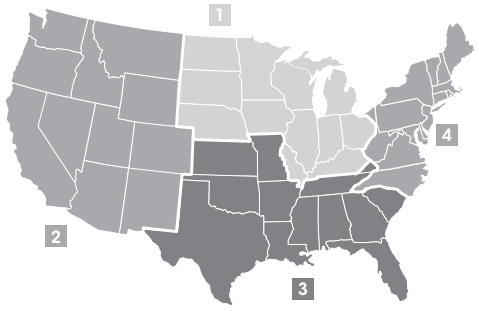
Timberline HDZ®

		1	2	3	4	5	6	7
Most Popular Colors:								
Barkwood		●	●	●	●	●	●	●
Charcoal		●	●	●	●	●	●	●
Hickory		●	●	●	●	●	●	●
Hunter Green		●	●	●	●	●	●	●
Mission Brown		●	●	●	●	●	●	●
Pewter Gray		●	●	●	●	●[1]	●	●
Shakewood		●	●	●	●	●	●	●
Slate		●	●	●	●	●	●	●
Weathered Wood		●	●	●	●	●	●	●
Harvest Blend Colors:								
Appalachian Sky		●	●	●	●		●	●
Nantucket Morning		●	●	●	●		●	●
Golden Harvest		●	●	●	●	●	●	●
Cedar Falls		●	●	●	●	●	●	●
Regional Colors:								
Biscayne Blue		●						
Birchwood[2]			●		●	●	●	●
Copper Canyon[2]						●		
Driftwood							●	●
Fox Hollow Gray		●	●					
Golden Amber[1,2]						●		
Oyster Gray		●					●	●
Patriot Red		●						
Sunset Brick							●	
White[2]							●	
Williamsburg Slate		●	●					



Timberline® UHDZ™

		1	2	3	4
Most Popular Colors:					
Barkwood		●	●	●	●
Charcoal		●	●	●	●
Pewter Gray		●	●	●	●
Shakewood		●	●	●	●
Slate		●	●	●	●
Weathered Wood		●	●	●	●



[1] Limited availability.

[2] Rated by the Cool Roof Rating Council (CRRC) and can be used to comply with 2019 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations.

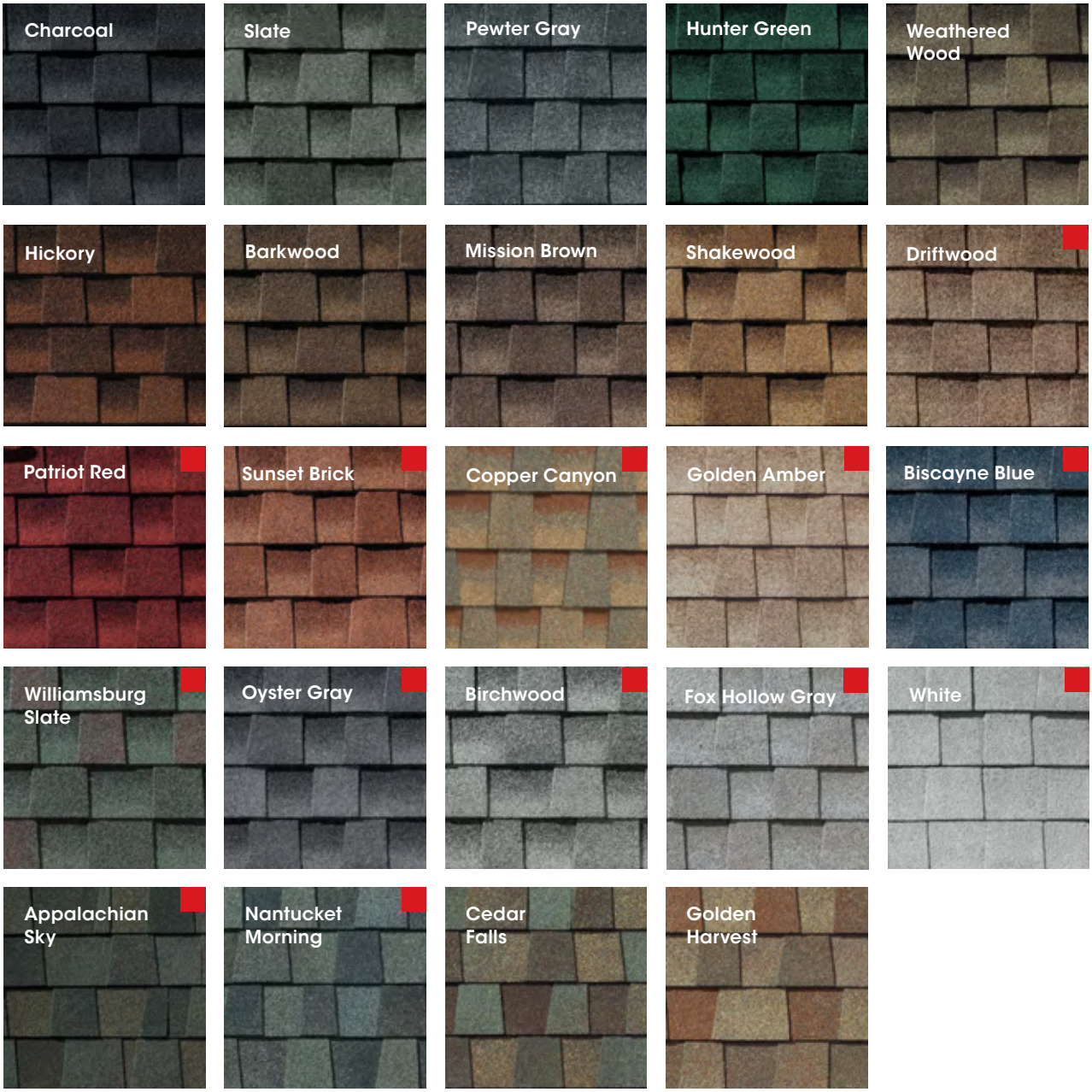
GAF Timberline HDZ®

High Definition® Lifetime† Shingles



[1]

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



For more details visit **gaf.com/TimberlineHDZ**

[1] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

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.

Available regionally

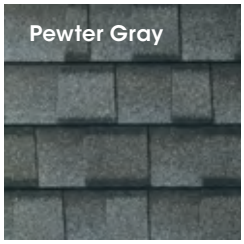
GAF Timberline® UHDZ™

Ultra High Definition® Lifetime† Shingles

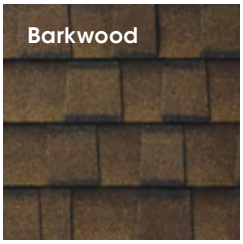


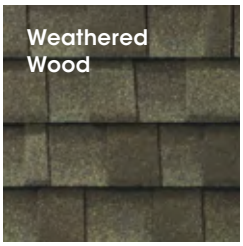
Crafted for homeowners ready to go beyond expectations, Timberline® UHDZ™ Shingles feature a Dual Shadow Line for dramatic sunset shadows and offer a 30-year StainGuard Plus PRO™ limited warranty against blue-green algae discoloration[1].













For more details visit **gaf.com/uhdz**

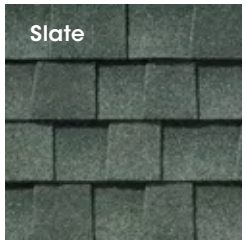
[1] 30-year StainGuard Plus PRO™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus PRO™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions, and qualifying products.

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.

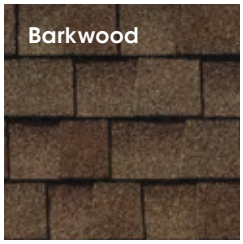
GAF Timberline® NS
Natural Shadow® Lifetime† Shingles

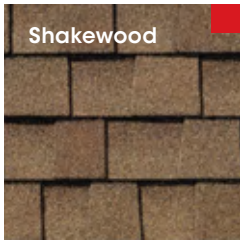
These stylish yet practically priced architectural shingles provide value and performance with a classic shadow effect for a subtle, even-toned look.















For more details visit **gaf.com/NS**

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.

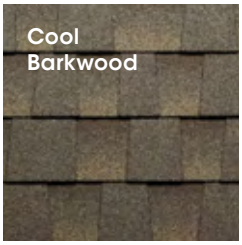
Available regionally

GAF Timberline® CS
Cool Series® Lifetime† Shingles

Highly reflective shingles that can help to reduce temperatures in your attic, and help save on air-conditioning costs.[2]









For more details visit **gaf.com/CS**

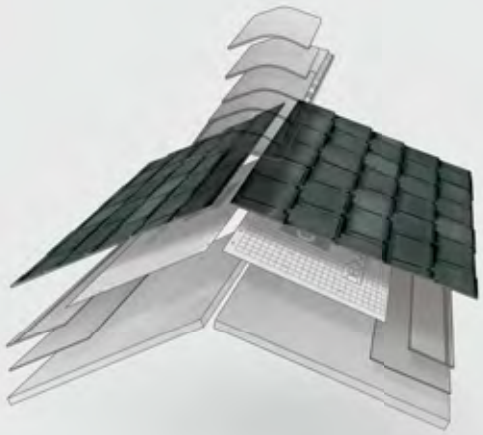
[1] 15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock® Technology requires the use of GAF Starter Strips, Roof Deck Protection, Ridge Cap Shingles, and Leak Barrier or Attic Ventilation. See *GAF Roofing System Limited Warranty* for complete coverage and restrictions. Visit gaf.com/LRS for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

[2] Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.

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.

Designer Lifetime† Shingles Collection

Sophisticated designs, custom color palettes, and high performance, GAF Lifetime† Designer Shingles are only a fraction of the cost of traditional slate or wood shakes.



Designer Lifetime† Shingles Collection

Grand Canyon® pg 13		STAINGUARD PLUS ALGAE PROTECTION · ADVANCED PROTECTION TECHNOLOGY	Rugged sophistication with striking depth
Camelot II® pg 14		STAINGUARD PLUS ALGAE PROTECTION · ADVANCED PROTECTION TECHNOLOGY	Contemporary slate-inspired elegance in an asphalt shingle
Grand Sequoia® pg 14		STAINGUARD PLUS ALGAE PROTECTION · ADVANCED PROTECTION TECHNOLOGY	Rustic charm meets 21st-century style
Woodland® pg 15		STAINGUARD PLUS ALGAE PROTECTION · ADVANCED PROTECTION TECHNOLOGY	The beauty of natural wood shakes in an asphalt shingle
Slateline® pg 15		STAINGUARD PLUS ALGAE PROTECTION · ADVANCED PROTECTION TECHNOLOGY	An asphalt shingle with the dramatic look of slate

For specifications see pages 20–21



For the full collection visit **gaf.com/Designer**

GAF LIFETIME† LIMITED WARRANTY TERM

GAF GrandCanyon®

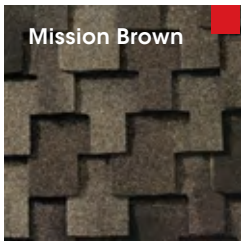
Designer Lifetime† Shingles

The ultimate choice for a rugged wood-shake look, offering incredible depth and dimension.











For more details visit **gaf.com/GrandCanyon**

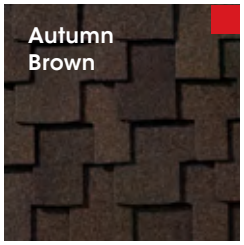
NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

Available regionally

GAF GrandSequoia®
Designer Lifetime† Shingles

Artisan-crafted shapes combined with oversized tabs result in a sophisticated beauty unmatched by typical shingles.











For more details visit **gaf.com/GrandSequoia**

GAF Camelot® II
Designer Lifetime† Shingles

Designed to complement your home's exterior color scheme, these shingles give your home the luxury look you want without breaking your budget.











For more details visit **gaf.com/CamelotII**

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.

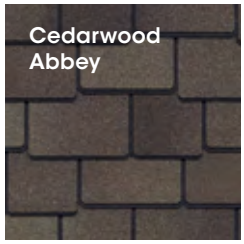
Available regionally

GAF Woodland®
Designer Lifetime† Shingles

The stylish look of hand-cut European shingles at an incredibly affordable price.







For more details visit **gaf.com/Woodland**

GAF Slateline®
Designer Lifetime† Shingles

Bold shadow lines and tapered cut-outs create the look of slate at a fraction of the cost.











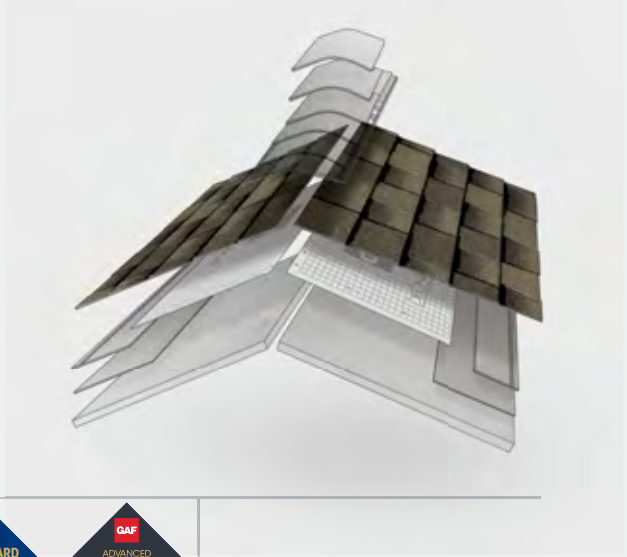
For more details visit **gaf.com/Slateline**

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.

Available regionally

SBS Modified Impact Resistance (IR) Shingles Collection

Engineered with SBS modified asphalt to really take a punch from Mother Nature.

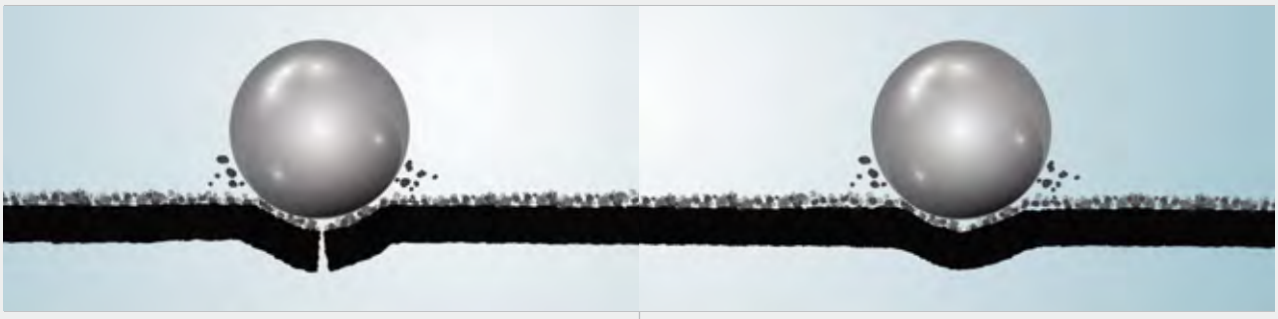


Timberline® AS II pg 17		SBS MODIFIED IR SHINGLES; STAINGUARD PLUS ALGAE PROTECTION; ADVANCED PROTECTION TECHNOLOGY; WINDPROVEN[1] INFINITE WIND SPEED PROTECTION; LAYERLOCK TECHNOLOGY	UL2218 Class 4 impact resistance to help protect your most valuable asset
Grand Sequoia® AS pg 17		SBS MODIFIED IR SHINGLES; STAINGUARD PLUS ALGAE PROTECTION; ADVANCED PROTECTION TECHNOLOGY	The look of rugged wood shakes in an asphalt shingle with UL2218 Class 4 impact resistance

For specifications see pages 20–21

UL 2218 Class 4 Impact-Resistance Test

A 2" steel ball is dropped twice from a 20' height onto various target locations to evaluate the shingles' ability to withstand the impact.



⊗ Fail	✓ Pass
Result on a standard shingle Evidence of visible ruptures or cracks through the shingle immediately after impact	**Results on a Class 4 shingle** No evidence of ruptures or cracks through the shingle immediately after impact



For the full collection visit **gaf.com/ArmorShield**

GAF LIFETIME[1] LIMITED WARRANTY TERM

[1] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

GAF Timberline® ASII

ArmorShield® II SBS-Modified IR Shingles

Crafted to pass the UL 2218 Class 4 impact resistance test, and capture the essence of wood in a thick asphalt design.

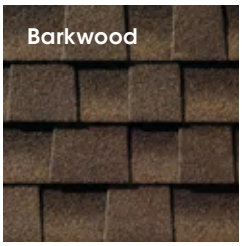


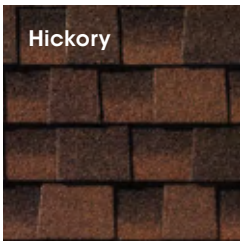














For more details visit **gaf.com/AS**

GAF GrandSequoia® AS

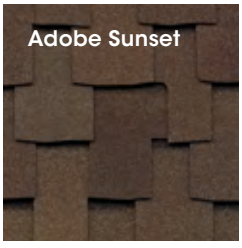
ArmorShield® SBS-Modified IR Shingles

A durable designer shingle with rugged wood-shake look that passes the UL 2218 Class 4 impact resistance test.











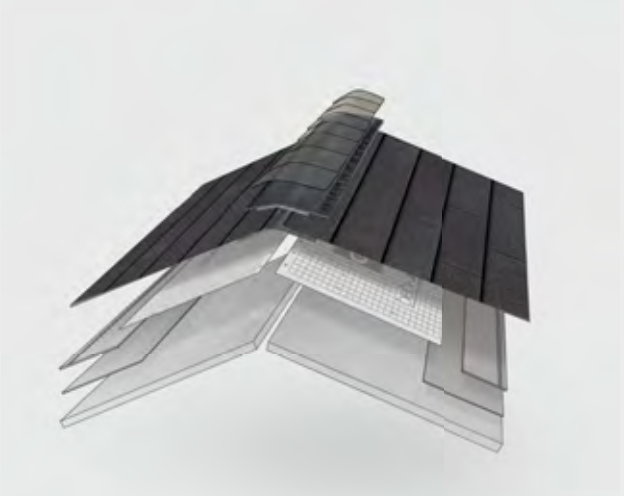
For more details visit **gaf.com/GrandSequoiaAS**

[1] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

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.

3-Tab Shingles

The perfect choice for first-time buyers, these shingles add beauty and performance to any roof.



Royal Sovereign®

pg 18–19



GAF STAINGUARD ALGAE PROTECTION 10 LIMITED WARRANTY

GAF ADVANCED PROTECTION TECHNOLOGY RESIDENTIAL ROOFING

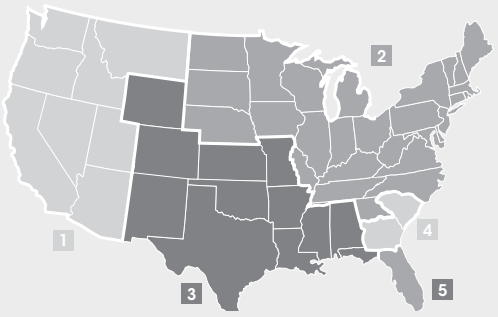
Excellent performance and a vivid design make for an exceptional investment

For specifications see pages 20–21

Color Availability

Royal Sovereign®	1	2	3	4	5
Autumn Brown		●	●	●	●
Charcoal	●	●	●	●	●
Golden Cedar		●	●	●	●
Silver Lining		●			●
Weathered Gray		●	●	●	●
White[1]	●	●			●
Ash Brown			●		
Nickel Gray		●			
Slate		●	●	●	

[1] Royal Sovereign® White can be used to comply with 2019 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations; is rated by the Cool Roof Rating Council (CRRC); and meets Green Building Standards Code of Los Angeles County for residential buildings.





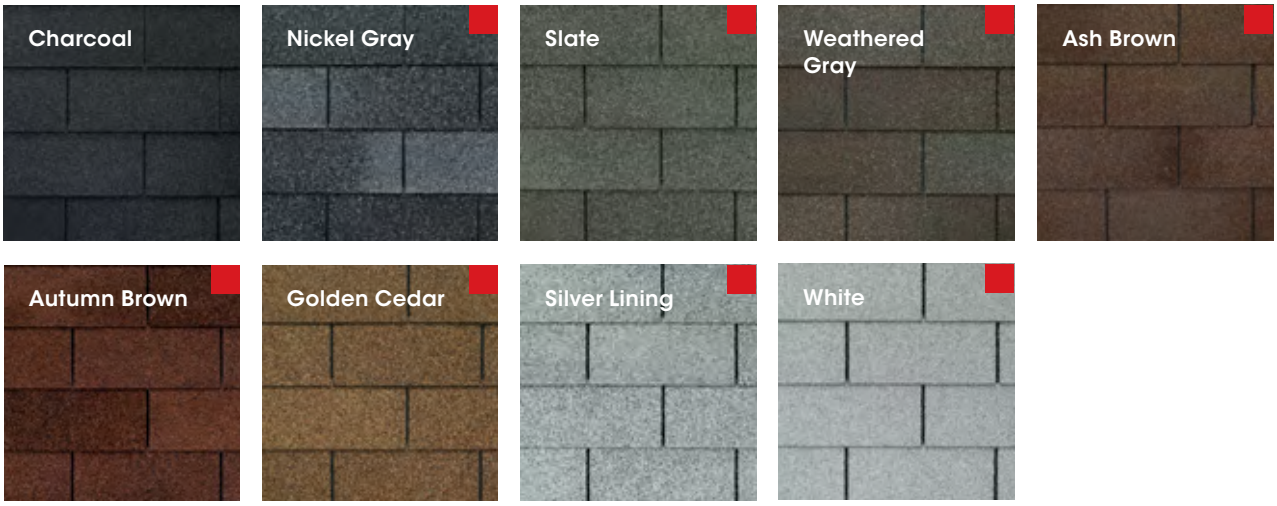
For the full collection visit **gaf.com/3Tab**

GAF 25-YEAR LTD. WARRANTY TERM

GAF RoyalSovereign®
3-Tab Shingles

Beautiful. Reliable. Affordable.

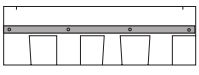
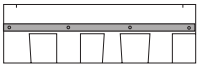
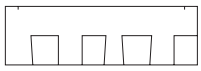
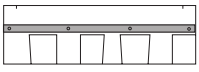
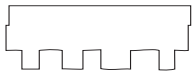
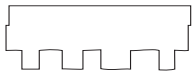
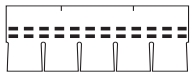
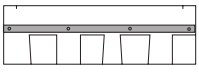
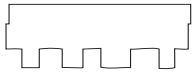
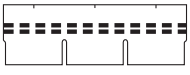




NOTE: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

■ Available regionally

Shingle Specifications

Shingle	Warranty	Technology	Shingle Construction
Timberline® Lifetime† Shingles Collection			
Timberline HDZ®	†, 2, 4	LayerLock®, Dura Grip®, Protection	
Timberline® UHDZ™	†, 2, 9	Dual Shadow, LayerLock®, Dura Grip®, Protection	
Timberline® NS	†, 3	Dura Grip®, Protection	
Timberline® CS	†, 2, 4	EcoDark, LayerLock®, Dura Grip®, Protection	
Designer Lifetime† Shingles Collection			
Grand Canyon®	†, 4	Dura Grip®, Protection	
Grand Sequoia®	†, 4	Dura Grip®, Protection	
Woodland®	†, 4	Dura Grip®, Protection	
Camelot® II	†, 4	Dura Grip®, Protection	
Slateline®	†, 4	Dura Grip®, Protection	
SBS Modified IR Shingles Collection			
Timberline® AS II	†, 2, 4	SBS Modified, LayerLock®, Dura Grip®, Protection	
Grand Sequoia® AS	†, 4	SBS Modified, Dura Grip®, Protection	
3-Tab Shingle			
Royal Sovereign®	1, 3	Dura Grip®, Protection	

† 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 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 for qualifying GAF products.

[1] See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

[2] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

[3] 10-year StainGuard® Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard® logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions, and qualifying products.

Approximate Physical Attributes					Codes											Special Features	
					Fire	Wind		National			Regional						
Pieces/Square	Bundles/Square	Nails/Square[5]	Exposure	Dimensions	UL Listed to ANSI/UL 790 Class A	ASTM D7158, Class H	ASTM D3161, Class F	ASTM D3018 Type 1	ASTM D3462[6]	Classified in accordance with ICC-ES AC438	Miami-Dade County Product Control Approved	State of Florida Approved	Texas Department of Insurance Listed	ICC-ES ESR-1475	ICC-ES ESR-3267	Passes UL 2218, Class 4 Impact Test	Cool Roof Rating Council (CRRC) Rated
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●[7]	●	●	●	●		●[8]
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●[7]	●	●	●	●		
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●[7]	●	●	●	●		
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●	●[7]	●	●	●	●		●
72	6	360	5" (127 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●		
70	5	360	5" (127 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●		
56	4	280	6 1/2" (165 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●		
56	4	280	7 1/2" (191 mm)	17" x 34 1/2" (432 x 876 mm)	●	●	●	●	●	●	●	●	●	●	●		
48	3	288	7 1/2" (191 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●		
64	3	256	5 5/8" (143 mm)	13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●	●		●	●	●	●	●	
72	4	360	5" (127 mm)	17" x 40" (432 x 1,016 mm)	●	●	●	●	●	●	●	●	●	●	●	●	
English 79 / Metric 64	3	English 316 / Metric 256	English 5" (127 mm) / Metric 5 5/8" (143 mm)	English 12" x 36" (305 x 914 mm) / Metric 13 1/4" x 39 3/8" (337 x 1,000 mm)	●	●	●	●	●[7]	●	●[7]	●	●	●[7]	●		●[7]

[4] 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.

[5] Steeper slopes and maximum wind warranties may require more nails.

[6] Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.

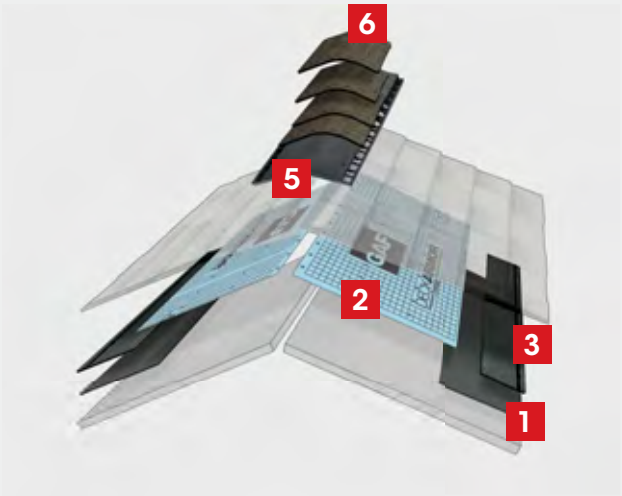
[7] Applies to some plants (that make referenced product).

[8] Applies to White only.

[9] 30-year StainGuard Plus PRO™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus PRO™ logo. See *GAF Shingle & Accessory Limited Warranty* for complete coverage and restrictions.

Roofing Accessories

Install any GAF Lifetime† Shingle and at least 3 qualifying GAF Accessories and you'll get a Lifetime† limited warranty on your qualifying GAF products.



Visit **gaf.com/LRS** for a list of qualifying products.

Leak Barriers pg 23	1	GAF WINDPROVEN™ INFINITE WIND SPEED PROTECTION ROOFING SYSTEM LIMITED WARRANTY [1]	Help prevent leaks caused by wind-driven rain and ice dams
Roof Deck Protection pg 24	2	GAF WINDPROVEN™ INFINITE WIND SPEED PROTECTION ROOFING SYSTEM LIMITED WARRANTY [1]	Helps shield the roof deck from moisture infiltration
Starter Strip Shingles pg 25	3	GAF WINDPROVEN™ INFINITE WIND SPEED PROTECTION ROOFING SYSTEM LIMITED WARRANTY [1]	Help guard against shingle blow-offs at the eaves and rakes
Cobra® Attic Ventilation pg 26	5	GAF WINDPROVEN™ INFINITE WIND SPEED PROTECTION ROOFING SYSTEM LIMITED WARRANTY [1]	Helps reduce attic moisture and heat Also available, Master Flow® Ventilation Products, see page 28
Ridge Cap Shingles pg 27	6	GAF WINDPROVEN™ INFINITE WIND SPEED PROTECTION ROOFING SYSTEM LIMITED WARRANTY [1]	The finishing touch that helps defend against leaks at the hips and ridges

† 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 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 for qualifying GAF products

[1] 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 for qualifying GAF products. For installations not eligible for the *GAF Roofing System Limited Warranty*, see the *GAF Shingle & Accessory Limited Warranty*.

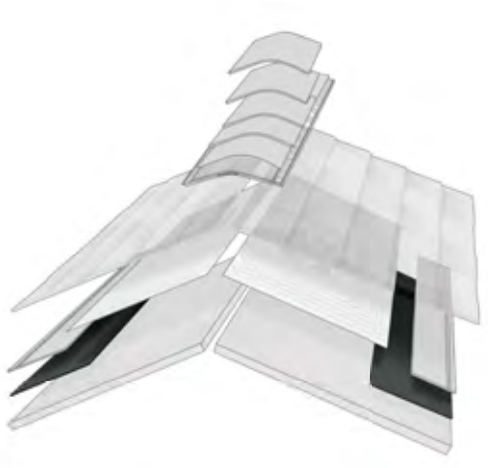


For the full collection visit **gaf.com/System**

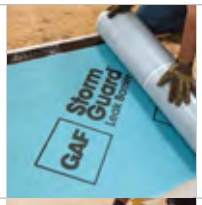
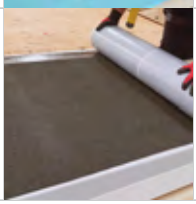
GAF LIFETIME† LIMITED WARRANTY TERM

Leak Barriers

Help prevent leaks caused by wind-driven rain and ice dams.

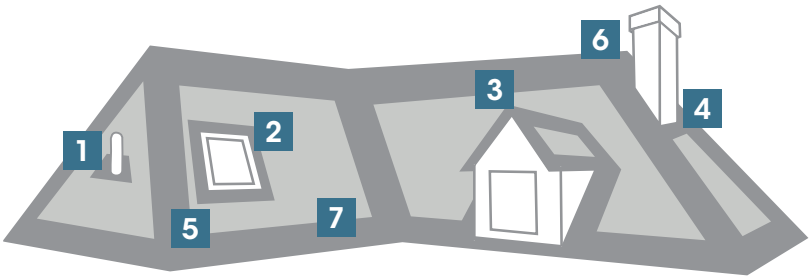


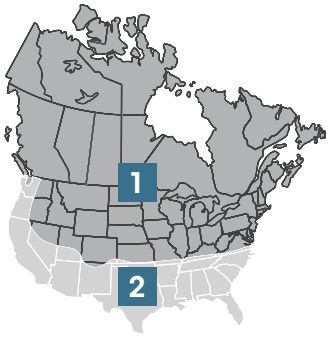
GAF LIFETIME* LIMITED WARRANTY TERM

StormGuard®		▪ Patterned synthetic film-surfaced peel and stick underlayment for asphalt shingles and metal roofing ▪ Self-seals fasteners and helps protect vulnerable areas of the roof ▪ 250°F high-temperature design. Meets or exceeds the performance criteria of ASTM D1970. ▪ 2 Sq. (200 ft² [18.58 m²]) roll size — excludes laps
WeatherWatch®		▪ Mineral-surfaced peel and stick underlayment for asphalt shingles ▪ Self-seals fasteners and helps protect vulnerable areas of the roof ▪ Meets or exceeds the performance criteria of ASTM D1970 ▪ 2 Sq. (200 ft² [18.58 m²]) & 1.5 Sq. (150 ft² [13.94 m²) roll sizes — excludes laps

Leak Barrier Application Recommendations:

Strongly recommended around	Optional around	Required by code at[1]	Region[1]
1. Penetrations	**5.** Hips & rake edges	**7.** Eaves in colder zones *Recommended in warmer zones*	**1.** Colder zone
2. Skylights			
3. Valleys & dormers	**6.** Ridges		**2.** Warmer zone
4. Flashings & transitions			





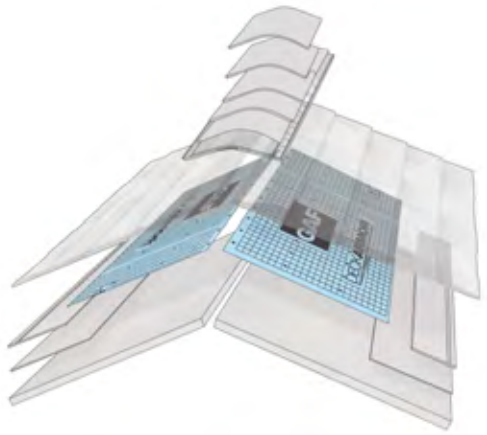
For the full collection visit **gaf.com/LeakBarriers**

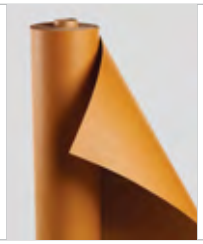
[1] Always check local building codes for requirements in your area.

* To qualify for this coverage, must be installed with GAF Lifetime† Shingles and at least 3 qualifying GAF Accessories. See GAF.com/LRS for qualifying products and see *GAF Roofing System Limited Warranty* for complete coverage and restrictions.

Roof Deck Protection

Helps shield the roof deck from moisture infiltration.



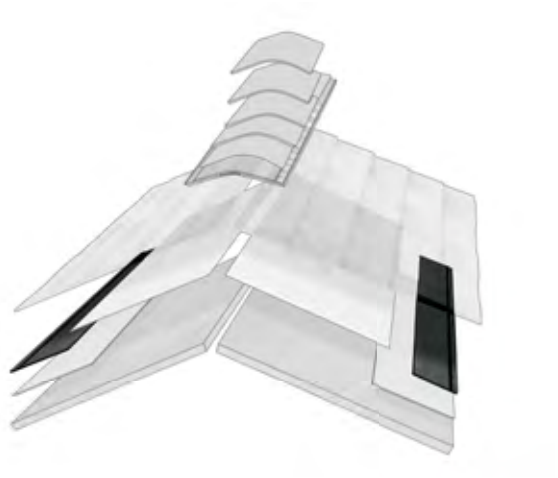
Deck-Armor™		▪ Premium breathable synthetic underlayment for asphalt shingles and other roof systems ▪ Nom. 16 perms, high-traction surface, and tear-resistant construction ▪ 48" x 250' (1.22 m x 76.2 m); 10 Sq. (1,000 ft² [92.9 m²]) roll size — excludes laps
Tiger Paw™		▪ Premium synthetic underlayment for asphalt shingles and other roof systems ▪ High-traction surface, tear-resistant construction, and deck side coating provides moisture control ▪ 48" x 250' (1.22 m x 76.2 m); 10 Sq. (1,000 ft² [92.9 m²]) roll size — excludes laps
FeltBuster®		▪ High-traction synthetic underlayment for asphalt shingles ▪ Value-priced, high-traction surface, and tear-resistant construction ▪ 48" x 250' (1.22 m x 76.2 m); 10 Sq. (1,000 ft² [92.9 m²]) roll size — excludes laps
Shingle-Mate™		▪ Fiberglass-reinforced underlayment for asphalt shingles ▪ Fiberglass reinforcement lays flat and helps prevent telegraphing through shingles ▪ 36" x 144' (.914 m x 43.89 m); 4 Sq. (432 ft² [40.13 m²]) roll size — excludes laps
Specialty Underlayment		
VersaShield®		▪ Fiberglass-reinforced fire-resistant underlayment for asphalt shingles, metal, wood, and other roof systems ▪ Helps upgrade the UL Fire Rating of many roofing systems (always see the UL Certification Directory) and helps resist dangerous flame spread ▪ 42" x 100' (1.07 m x 30.48 m); 3.5 Sq. (350 ft² [32.5 m²]) roll size — excludes laps

For the full collection visit **gaf.com/RoofDeckProtection**

* To qualify for this coverage, must be installed with GAF Lifetime† Shingles and at least 3 qualifying GAF Accessories. See GAF.com/LRS for qualifying products and see *GAF Roofing System Limited Warranty* for complete coverage and restrictions.

Starter Strip Shingles

Help guard against shingle blow-offs at the eaves and rakes.



WeatherBlocker™		▪ Premium starter strip shingles for all asphalt shingles ▪ Extra-wide format, pre-perforated design, and factory-applied Dura Grip™ Adhesive ▪ Full sheets measure 17" x 40" (432 mm x 1,016 mm) and cover 50 lin. ft. (15 lm) per bundle. Half sheets measure 8 ½" x 40" (216 mm x 1,016 mm) and cover 100 lin. ft. (30 lm) per bundle.
Pro-Start®		▪ Starter strip shingles for most standard English and metric-sized asphalt shingles ▪ Pre-perforated design with factory-applied Dura Grip™Adhesive ▪ Full sheets measure 13" x 38" (330 mm x 965 mm) and are split into half sheets measuring 6 ½" x 38" (165 x 965 mm) to cover 120.33 lin. ft. (36.69 lm) per bundle
QuickStart®		▪ Peel and stick starter strip roll for most standard English and metric-sized asphalt shingles ▪ Mineral surfacing with factory-applied Dura Grip™ Adhesive ▪ 9" x 33' (228 mm x 10 m) roll size
StarterMatch®		▪ Complementary-color starter strip shingles for Grand Sequoia® and Grand Canyon® Shingles ▪ 25-year StainGuard Plus™ Algae Protection™ Limited Warranty protects StarterMatch® Starter Strip Shingles from unsightly stains.[1] ▪ Used in conjunction with WeatherBlocker™ ▪ Full sheets measure 13 ¼" x 40" (337 mm x 1,016 mm) and cover 60 lin. ft. (18.3 lm) per bundle

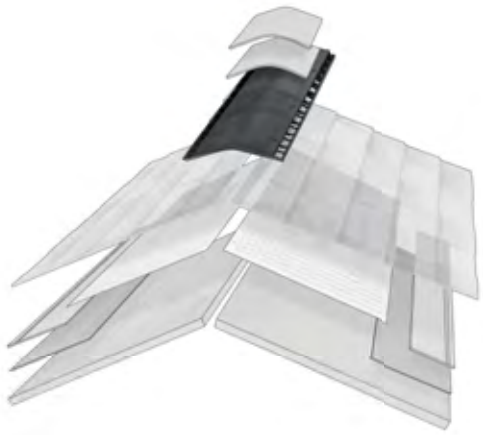
For the full collection visit **gaf.com/StarterStrip**

* To qualify for this coverage, must be installed with GAF Lifetime† Shingles and at least 3 qualifying GAF Accessories. See GAF.com/LRS for qualifying products and see *GAF Roofing System Limited Warranty* for complete coverage and restrictions.

[1] 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.

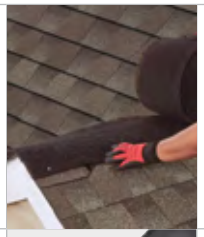
Cobra® Attic Ventilation

Helps reduce attic moisture and heat.[1]



GAF LIFETIME* LIMITED WARRANTY TERM

Ridge & Hip Exhaust Ventilation

Cobra® Exhaust Vent		▪ Mesh roll ridge vent for all climates ▪ 10 ½" (267 mm), 8" (203 mm), and 11 ¾" (298 mm) widths; 20' (6.1 m) and 50' (15.24 m) lengths ▪ Includes 2 ½" (64 mm) Smart Nails™ (Hand Nailable) or 1 ¾" (44 mm) Coil Nails (Nail Gunnable) ▪ NFA: Hand Nailable — 16.9 sq. in./lin. ft. (35,772 mm² per lineal meter); Nail Gunnable — 14.1 sq. in./lin. ft. (29,845 mm² per lineal meter)
Cobra® SnowCountry® Advanced		▪ Premium plastic ridge vent for colder climates ▪ Includes 3" (76 mm) ring shank nails, Snow Guard™ Filter & 3" (76 mm) EasyTear® Sizing ▪ 11 ½" (292 mm) and 9" (229 mm) widths; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box ▪ NFA: 18 sq. in./lin. ft. (38,100 mm² per lineal meter)
Cobra® SnowCountry®		▪ Plastic ridge vent for colder climates ▪ Includes Snow Guard™ Filter & 3" (76 mm) EasyTear® Sizing ▪ 11 ½" (292 mm) width; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box ▪ NFA: 18 sq. in./lin. ft. (38,100 mm² per lineal meter)
Cobra® Rigid Vent 3™		▪ Premium plastic ridge vent for warmer climates ▪ Includes 3" (76 mm) ring shank nails & 3" (76 mm) EasyTear® Sizing ▪ 11 ½" (292 mm) and 9" (229 mm) widths; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box ▪ NFA: 18 sq. in./lin. ft. (38,100 mm² per lineal meter)
Cobra® RidgeRunner®		▪ Plastic roll ridge vent for all climates ▪ Includes 1 ¾ (44 mm) coil nails, Weather Fighter® Filter & 12" (305 mm) EasyTear® Sizing ▪ 11 ½" (292 mm) width; 20' (6.1 m) length ▪ NFA: 12.5 sq. in./lin. ft. (26,458 mm² per lineal meter)
Cobra® Hip Vent		▪ Plastic hip vent for all climates ▪ Includes 1 ¾" (44 mm) coil nails and Dual Weather Fighter® Filter ▪ 11 ½" (292 mm) width; 4' (1.2 m) length, 40 lin. ft. (12.2 lm) per box ▪ NFA: 9 sq. in./lin. ft. (19,050 mm² per lineal meter)

Intake Ventilation

Cobra IntakePro®		▪ Tapered roll intake vent for all climates ▪ Includes 1 ¾" (44 mm) coil nails and end cap fabric ▪ 11" (279 mm) width; 20' (6.1 m) length ▪ NFA: 9 sq. in./lin. ft. (19,050 mm² per lineal meter) **1.** See photo for product placement

For more details visit **gaf.com/Cobra**

* To qualify for this coverage, must be installed with GAF Lifetime† Shingles and at least 3 qualifying GAF Accessories. See GAF.com/LRS for qualifying products and see *GAF Roofing System Limited Warranty* for complete coverage and restrictions.

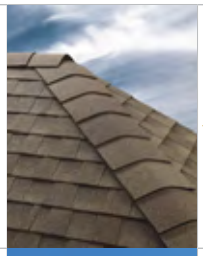
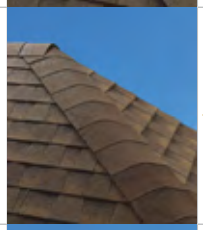
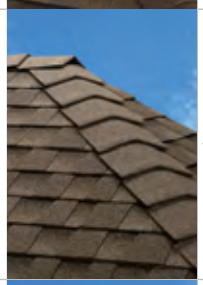
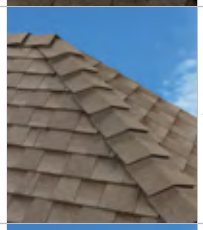
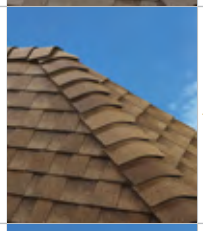
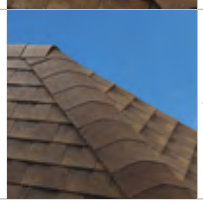
[1] **NOTE:** Always have a balanced attic ventilation system. In no case should the amount of exhaust ventilation at or near the ridge exceed the amount of intake ventilation at or near the soffit. Visit **gaf.com/ventcalculator** for more details.

Ridge Cap Shingles

The finishing touch that helps defend against leaks at the hips and ridges.



GAF LIFETIME* LIMITED WARRANTY TERM

TimberTex®		GAF STAINGUARD PLUS ALGAE PROTECTION LIMITED WARRANTY	▪ Premium double-layer ridge cap shingles for use with Timberline HDZ®, Timberline® NS, UHDZ™, and GAF Designer Lifetime† Shingles ▪ Pre-perforated design & factory-applied Dura Grip™ Adhesive ▪ 12" (305 mm) width, 8" (203 mm) exposure, covers 20 lin. ft. (6.1 lm) per bundle ▪ Available in all areas (except West area)
Seal-A-Ridge®		GAF STAINGUARD PLUS ALGAE PROTECTION LIMITED WARRANTY	▪ Traditional look ridge cap shingles for use with Timberline HDZ®, Timberline® NS, UHDZ™, and CS Shingles ▪ Pre-perforated design & factory-applied Dura Grip™ Adhesive ▪ 12" (305 mm) width, 6 2/3 (169 mm) exposure, covers 25 lin. ft. (7.6 lm) per bundle ▪ Available in all areas
TimberCrest®		GAF STAINGUARD PLUS ALGAE PROTECTION LIMITED WARRANTY	▪ Premium SBS-modified bullnose ridge cap shingles for use with Timberline HDZ®, Timberline® NS, UHDZ™, RS/RS+, CS, and GAF Designer Lifetime† Shingles ▪ Pre-folded/flexed design & factory-applied Dura Grip™ Adhesive ▪ 10" (254 mm) width, 8" (203 mm) exposure, covers 20 lin. ft. (6.1 lm) per box ▪ Available in the West area
Ridglass®		GAF STAINGUARD PLUS ALGAE PROTECTION LIMITED WARRANTY	▪ High-profile SBS-modified ridge cap shingles for use with Timberline HDZ®, Timberline® NS, RS/RS+, and UHDZ™ Shingles ▪ Pre-folded design & factory-applied Dura Grip™ Adhesive ▪ 10" (254 mm) width, 8" (203 mm) exposure, covers 31 lin. ft. (9.4 lm) per box ▪ Available in the West area
Z®Ridge		GAF STAINGUARD PLUS ALGAE PROTECTION LIMITED WARRANTY	▪ Wood shake-look ridge cap shingles for use with Timberline HDZ®, Timberline® NS, and UHDZ™ Shingles ▪ Pre-perforated design with unique Z-fold design ▪ 10" (254 mm) width, 5 5/8" (143 mm) exposure, covers 33.3 lin. ft. (10.1 lm) per bundle ▪ Available in the Southwest and West areas
Seal-A-Ridge® AS		GAF STAINGUARD PLUS ALGAE PROTECTION LIMITED WARRANTY	▪ UL Class 4 impact resistance, pre-perforated design & factory-applied Dura Grip™ Adhesive ▪ For use with GAF ArmorShield® Series Shingles ▪ 12" (305 mm) width, 5" (127 mm) exposure, covers 25 lin. ft. (7.6 lm) per bundle

For more details visit **gaf.com/RidgeCaps**

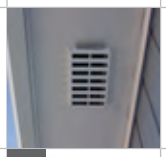
* To qualify for this coverage, must be installed with GAF Lifetime† Shingles and at least 3 qualifying GAF Accessories. See GAF.com/LRS for qualifying products and see *GAF Roofing System Limited Warranty* for complete coverage and restrictions.

NOTE: These products are not available in all areas. Visit **gaf.com/ridgecapavailability** for more information.

GAF MasterFlow® Ventilation Products

Ventilation products that help minimize heat and moisture in attics, while helping to resist mold and mildew.



Power attic vents — roof mount	1 	WINDPROVEN™ 2  QUICKCONNECT™ WI-FI TECHNOLOGY
▪ Exhaust large amounts of heat and moisture from the attic ▪ Hardwired electric or EZ Cool™ Plug-in options ▪ High-efficiency PSC motors ▪ Thermostat control included on all models. Optional combo humidistat/thermostat control available on select models. ▪ Available with optional QuickConnect™ Wi-Fi Technology ▪ Available in popular colors to complement most finished roofs		
Solar-powered vents	2 	WINDPROVEN™ 2 
▪ Helps reduce electricity costs associated with operating a fully electric powered vent[1] ▪ Available in both solar-powered and unique dual-powered models ▪ Solar-powered models run off the sun's power, while dual-powered models switch automatically between sun and house power ▪ Thermostat or combo humidistat/thermostat control available on select models		
Roof louvers	3 	WINDPROVEN™ 2 
▪ Allow heat and moisture to escape the attic on roofs with limited ridge ▪ Styles: slant-back, square-top, dome ▪ Construction: aluminum, galvanized, and plastic. Models with optional weather filter also available ▪ Net Free Area per Vent: Options from 37–144 sq.in. (23,871–92,903 mm²)		
Aluminum ridge vent		WINDPROVEN™ 2 
▪ Allows heat and moisture to escape the attic ▪ Construction: aluminum with built-in baffle ▪ Net Free Area: 21.5 Sq. in. per lin. ft. (45,508 mm² per lineal meter)		
Wind turbines		WINDPROVEN™ 2 
▪ Use wind power to pull heat and moisture from the attic ▪ Sizes: 12" (305 mm) and 14" (356 mm) ▪ Construction: aluminum internally braced, galvanized internally or externally braced		
Soffit/ undereave intake vents		
▪ Allow cooler dry air to enter the attic ▪ Styles: continuous, oval, rectangular, EmberShield® closeable ▪ Net Free Area per Vent: Options from 22–68 Sq. in (14,194–43,871 mm²)		
Other vents and accessories	4 	
Also available: Master Flow® Versa Caps, Gable Wall Louvers, Goose Neck Vents, Vent Caps, Chimney Caps, Zinc Strips, Whole House Fans, and Foundation Vents		

For the full collection visit **gaf.com/MasterFlow**

[1] Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.

[2] While Master Flow® Attic Exhaust Ventilation Products are covered separately by the *Master Flow® Powered Ventilation Products Limited Warranty* or *Master Flow® Ventilation Products Limited Warranty*, depending on product, they do count as an eligible qualifying accessory product in the GAF Attic Ventilation category of the *WindProven™ Limited Wind Warranty*. See gaf.com/LRS for eligible products.

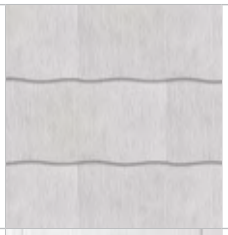
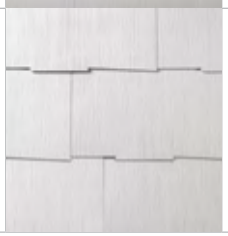
NOTE: Always have a balanced attic ventilation system. In no case should the amount of exhaust ventilation at or near the ridge exceed the amount of intake ventilation at or near the soffit. Visit **gaf.com/ventcalculator** for more details.

GAF WeatherSide™ Fiber-Cement Siding

The one and only solution for replacing old asbestos siding.



Siding — contains NO asbestos[1]

Purity™ Shingle		Textured surface with straight, wavy, or thatched edge	▪ Size: **12" x 24"** (305 mm x 609 mm) ▪ Exposure: **Straight and Wavy 11"** (279 mm), **Thatched 10 ½"** (267 mm)
Profile Shingle		Striated surface with straight edge	▪ Size: **9" x 32"** (227 mm x 813 mm) ▪ Exposure: **8"** (203 mm) ▪ Size: **12" x 24"** (305 mm x 609 mm) ▪ Exposure: **11"** (279 mm) ▪ Size: **14 5/8" x 32"** (371 mm x 813 mm) ▪ Exposure: **13 5/8"** (346 mm)
Emphasis™ Shingle		Extra-thick wood grain look surface with thatched edge	▪ Size: **14 5/8" x 25 5/32"** (371 mm x 639 mm) ▪ Exposure: **13"** (330 mm)

Accessories

Siding Backer Strips		Help protect the vertical seams between each piece of siding against weather infiltration	▪ **9"** (227 mm) ▪ **12"** (305 mm) ▪ **14"** (357 mm)
Hot-dipped Galvanized Siding Nails		Help provide maximum holding power and an excellent finished look	▪ White, ring shank nails ▪ **1 ¾"** (44 mm)
Pre-primed Individual Corners		Complete the outside corners of your WeatherSide™ Siding job	▪ **9"** (227 mm) ▪ **12"** (305 mm) ▪ **14"** (357 mm) ▪ Emphasis™ corners

Visit **gaf.com/WeatherSide**

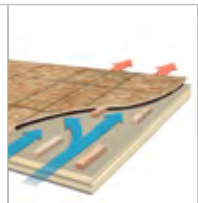
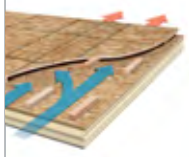
[1] We recommend that any removal and disposal of asbestos-containing products be done by a professionally trained asbestos removal contractor.

GAF ThermaCal®
Building Envelope Insulation Panels

Help reduce heat drive into conditioned/living spaces, and ventilated options exhaust excess moisture to reduce the risk of condensation in the roofing system.[1]



Ventilated Roof Insulation Panels

ThermaCal® 1		▪ For asphalt shingle and metal roof systems ▪ Nominal 4' x 8' (1.21 m x 2.44 m) panels with single layer of sheathing ($^{7}/_{16}$" OSB [11.1 mm] standard); other options available ▪ Includes air space and tongue-and-groove polyiso foam to reduce heat loss through panel joints ▪ Pre-spaced sheathing eliminates the need for H-clips and allows for sheathing expansion
ThermaCal® 2		▪ For slate, tile, and maximum loading roof systems ▪ Nominal 4' x 8' (1.21 m x 2.44 m) panels with two layers of sheathing ($^{7}/_{16}$" OSB [11.1 mm] standard); other options available ▪ Includes air space and tongue-and-groove polyiso foam to reduce heat loss through panel joints ▪ Pre-spaced sheathing eliminates the need for H-clips and allows for sheathing expansion

Non-Ventilated Roof Insulation Panels

ThermaCal®		▪ For metal roof systems ▪ Nominal 4' x 8' (1.21 m x 2.44 m) panels with single layer of sheathing ($^{7}/_{16}$" OSB [11.1 mm] standard); other options available ▪ Tongue-and-groove polyiso foam to reduce heat loss through panel joints ▪ Pre-spaced sheathing eliminates the need for H-clips and allows for sheathing expansion

Exterior Wall Insulation Panels

ThermaCal® Wall		▪ Nominal 4' x 8' (1.21 m x 2.44 m) panels with one layer of sheathing ($^{7}/_{16}$" OSB [11.1 mm] standard); other options available ▪ Includes tongue-and-groove polyiso foam (8' [2.44 m] sides only) to reduce heat loss through panel joints ▪ Pre-spaced sheathing (8' [2.44 m] sides) allows for precision fit and sheathing expansion

Nail Base Insulation Panel Fasteners

ThermaCal® Light-duty drill point fasteners		▪ Designed for attaching ThermaCal® Insulation Panels to steel roof decks/substrates ▪ Manufactured with case-hardened and tempered carbon steel
ThermaCal® Thread point fasteners		▪ Designed for attaching ThermaCal® Insulation Panels to wood roof decks/substrates ▪ Manufactured with case-hardened and tempered carbon steel

For the full collection visit **gaf.com/ThermaCal**

[1] Ventilated versions only.

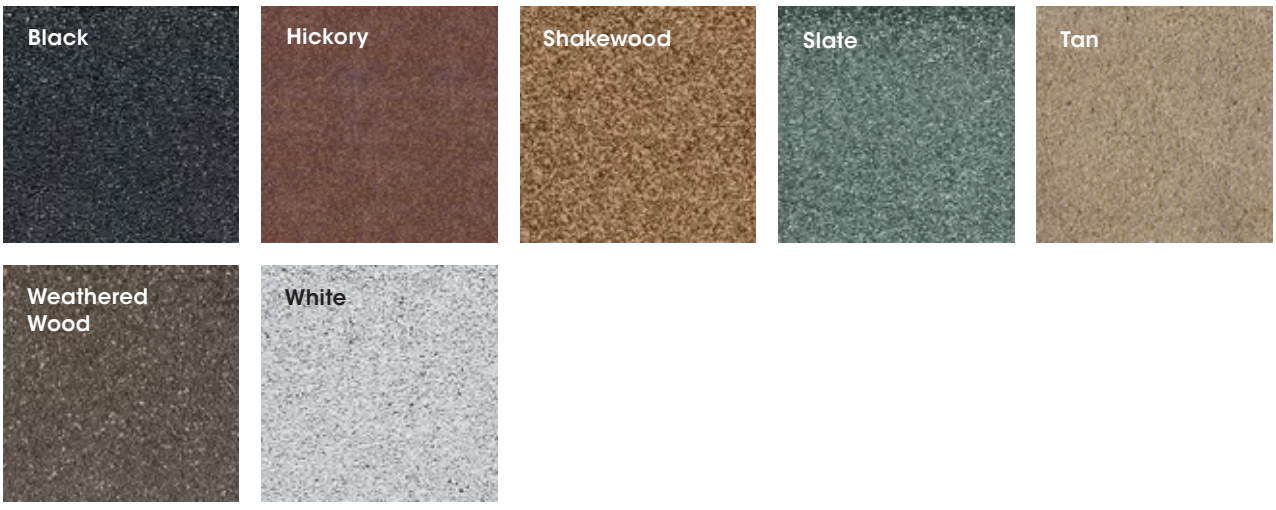
LIBERTY™
SBS Self-Adhering Roofing System

Granulated self-adhering low-slope roofing system. Installs quickly and easily without the hassles of bulky equipment, unpleasant odors, torches, or open flames on your roof. Perfect for porches, garages, car ports, and sunrooms!



LIBERTY™ Premium SBS Flashing Cement		▪ 1 Gallon (3.79L) ▪ Meets or exceeds ASTM D4586, Type 1 ▪ Meets or exceeds ASTM D3409
LIBERTY™ Asphalt Primer		▪ 1 Gallon (3.79L) ▪ Meets or exceeds ASTM D41
LIBERTY™ SBS Self-Adhering Base/Ply Sheet		▪ 2 square (216 sq. ft. [20.1 m^2]) roll size - excludes laps ▪ Meets or exceeds ASTM D4601, Type II and ASTM D1970
LIBERTY™ SBS Self-Adhering Cap Sheet		▪ 1 square (112 sq. ft. [10.4 m^2]) roll size - excludes laps ▪ Meets or exceeds ASTM D6164, Type I

LIBERTY™ Cap Sheet Colors[1]:



For the full collection visit **gaf.com/Liberty**

[1] These blended colors are designed to complement your shingles, not to be an exact match. Because of the small size of these samples, it's difficult to reproduce the actual color effect. Please be sure to see a full-size roll before making a final color selection or installing on the roof.

Go beyond for your customers and your business



Timberline® UHDZ™ is now our premium laminate shingle

Featuring our patent-pending Dual Shadow Line, LayerLock® Technology and the StrikeZone® Nailing Area, 20% heavier weight, new 30-year StainGuard Plus PRO™[1] limited warranty against blue-green algae discoloration, and the opportunity for Master Elite® contractors to offer 30 years of workmanship coverage, Timberline® UHDZ™ shingles go beyond any GAF shingle you've been able to offer to date. **Visit gaf.com/uhdz**

A standard INDUSTRIES COMPANY

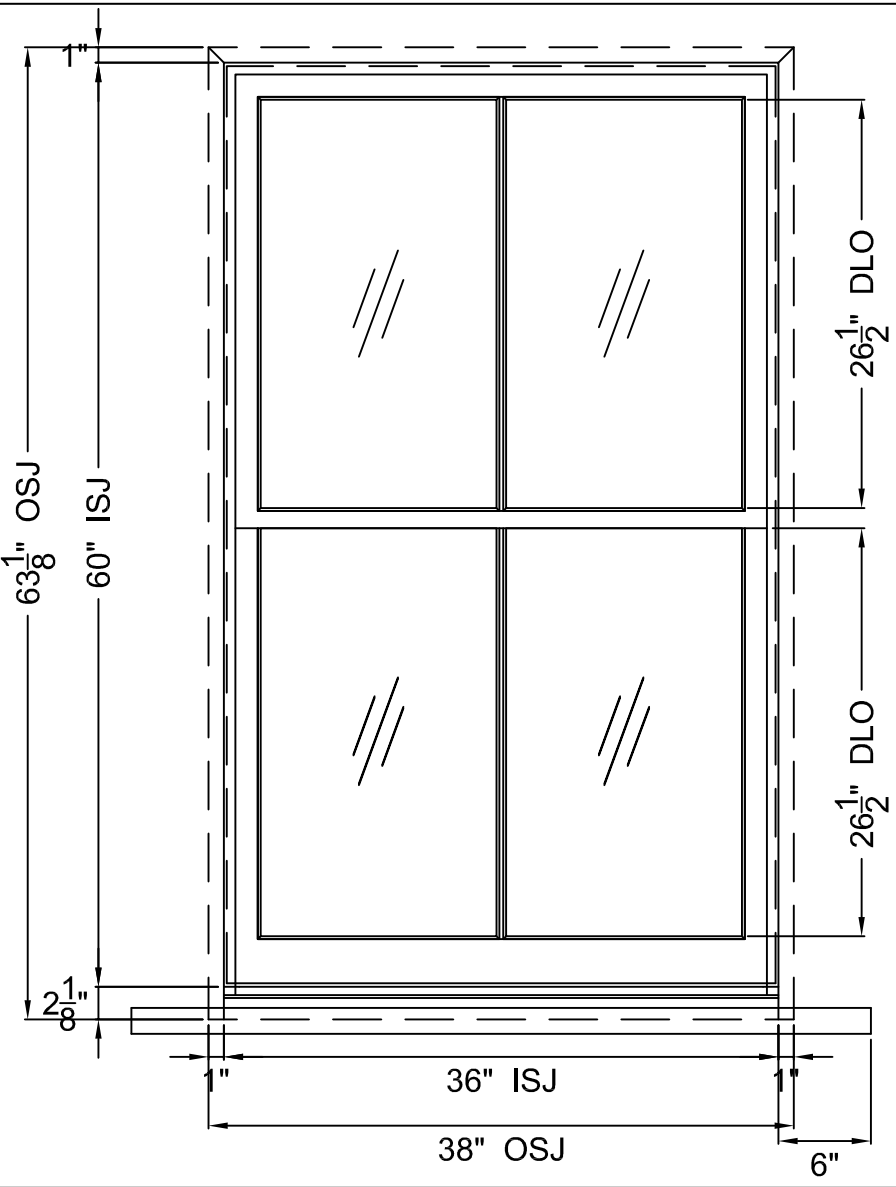
We protect what matters most™

GAF

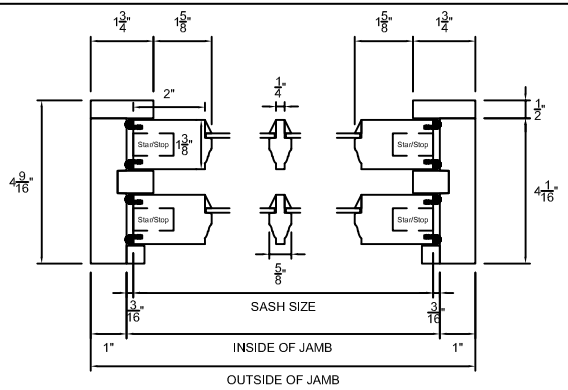
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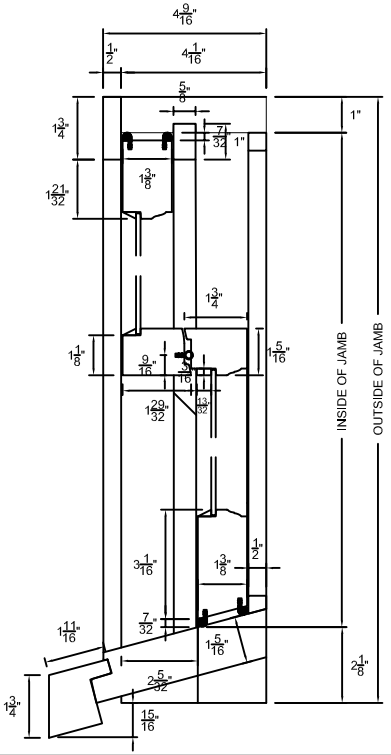
[1] 30-year StainGuard Plus PRO™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus PRO™ logo.

ELEVATION



DETAIL





ROUGH OPENING MEASUREMENTS ARE DETERMINED BY ADDING 1" TO THE "OSJ" WIDTH AND 1/2" TO THE "OSJ" HEIGHT

DallasMillwork.com	Material: SG Sapele	Sticking: Putty Glaze	Jamb: 4 9/16"	
	Sash Thickness: 1 3/8"	SDL/TDL: TDL	Jambliners: Invisible Balance	Finish: White
	Style: Double Hung, Unit	Casing: N/A	Interior_casing: N/A	
	Type: Single	Glass: SSB	Hardware: Sash Locks	
	CUSTOMER: GUERRY LUMBER	QTY: 1	DWG#: VR10082505	P.O.#:
			DATE:10/8/25 REV#:----	REV DATE:----

DALLAS Millwork EST. 1996

770-943-3909
Fax: 770-943-3900

Signature:_____ Date:_____

By signing this document, I acknowledge that I have reviewed all details and confirm that they are accurate and represent the requested specifications. I understand that Dallas Millwork, Inc. will proceed with the fabrication of the work as specified by the attached drawings. Any changes or modifications after signing may result in additional costs or delays. I authorize Dallas Millwork, Inc. to execute the work as per the approved drawings.



Aeratis Custom Shutter Features

- Fraction of the cost of wood
- Fully operable
- Historically accurate
- Approved for historic restoration
- Will not rot
- Will not warp
- Termite resistant
- Customize with 6 cuts of a saw
- Paint any color
- Paint rebate included
- Includes stainless steel hardware
- Limited lifetime warranty
- Assemble in less than 30 minutes
- Radius top available

Technology is tackling the tough areas of outdoor living spaces.

PERFORMANCE IS OUR ...advantage.

Custom Shutters for any budget with a Limited Lifetime Warranty

Aeratis now offers custom, historically accurate, operable, PVC shutters with a lifetime warranty for a fraction of the cost of wood shutters. These shutters can be purchased one of the following 3 ways:

1) In-A-Box and ready to size, assemble, paint and then install.
   At this amazingly low price, assembly and painting is required. If you can commit to about 30 minutes and have the skill to use a miter saw and screw gun, you can save hundreds of dollars with each pair of shutters over using wood shutters.
2) Assembled and ready to paint and then install.
   Ready to Paint? You can order Aeratis Louver or Raised panel shutters pre-assembled to the size you need. When the shutters arrive, each pair of shutters are ready to paint and install on your window.
3) Painted and ready to install.
   Yes, it is true! Aeratis Custom louver and raised panel shutters can be ordered a custom size painted and ready to install. Simply visit your local lumberyard or visit Aeratisshutters.com and request a quote.

Aeratis PVC Shutters are engineered with the same technology that has made our T&G porch flooring the performance leader for over 15 years. Aeratis Shutters are not only backed by a Limited Lifetime Warranty, they are engineered to out-perform wood, polypropylene, polyethylene and aluminum shutters for a fraction of the cost.

Each shutter component profile is an exact replica of shutters dating back to the early 1800's. These operable shutters offer an architectural detail that will not only enhance the value of the property, but will provide lasting, worry-free beauty.

Now, you have real options and depending on time and budget, you can now own operable shutters with a Lifetime Limited warranty and not spend thousands of dollars. With the Aeratis shutter offering, you can purchase either Louver Shutters or Raised Panel shutters.



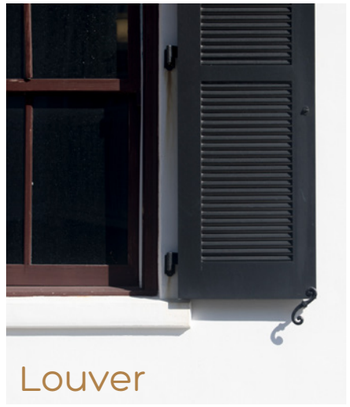




Shutter Styles



Bahama



Louver



Radius Top



Panel



Louver Shutters – Aeratis Custom Louver shutters are engineered to visually mimic a louver shutter from the early 1800's with far superior performance characteristics. Each shutter, when closed, provides the privacy of a standard louver shutter while allowing air to flow through the louvers. With a life expectancy of just over 220 years and with a 70 year repaint cycle rating; this is truly a custom shutter, with millions of color options and without the maintenance of wood. Out of the box, the louvers are not adjustable, however, you can order either the faux tilt rod to add to the shutters or you can order the adjustable louver shutters pre-assembled.

Panel Shutters – Aeratis panel shutters come either pre-assembled a custom size and ready to paint or assembled a custom size and are finished and ready to install. There are a couple of different options for the panels. Panel shutters can be ordered with a beaded raised panel or a standard raised panel. In both cases, the panel shutter face is flush with the face of the stiles and rails. Please note: one side of the shutter is raised, and the other side is flat.

For panel shutters, all stiles and rails are made from the Aeratis shutter PVC formulation. The panels of the shutters are made from Exteria, a Jeldwin panel material for exterior use.



With the Aeratis Custom Shutter In-A-Box engineered system, you can customize your shutters to any size with six cuts of a miter-saw. With the included fasteners, you can assemble a pair of shutters in less than 30 minutes. Your custom shutters can be installed without the lead-time that accompanies "custom" shutters and they will cost a fraction of wood shutters.



Shutter Assembly



Tools needed:

Miter Saw
Screw Gun
Caulk gun
3 Clamps or straps
4" x 3/16" Drill bit
Boring bid

Custom Shutters in 4 steps

After you measure the opening:

1 | Cut parts and pieces to size using a miter saw
2 | Assemble shutters
3 | Fill holes
4 | Spray or brush shutters desired colors

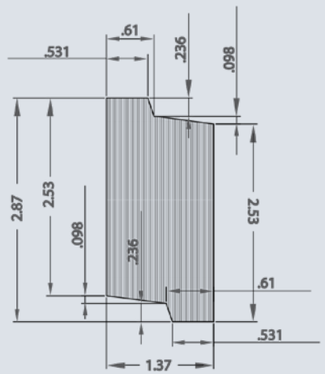




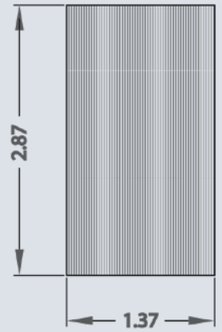




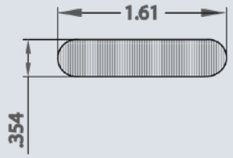
Architect Submittals



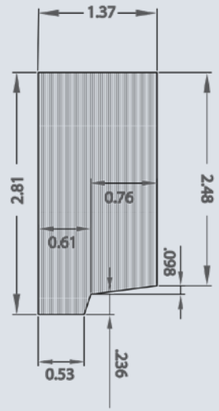
Mid-Rail



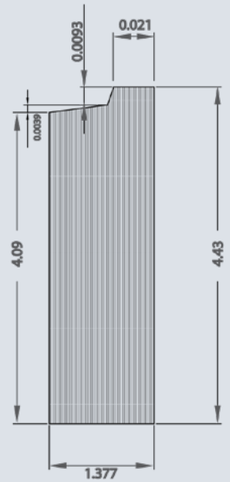
Stile



Louver



Top Rail



Bottom Rail

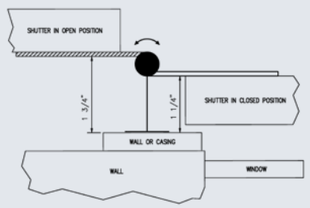
Architect submittals are provided to architects, designers and all trade professionals to assist the product specification process. All component profiles are provided with the designated lengths and dimensions. The Aeratis Custom Shutters In-A-Box program is designed to allow the end user to choose from one of the 4 available shutter lengths (3', 5', 7' or 10') shutters. Louver shutters can be cut to any height and the width can be cut down from 21 inches.



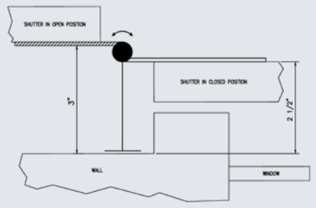
Mounting Options

Surface installation (included in box)

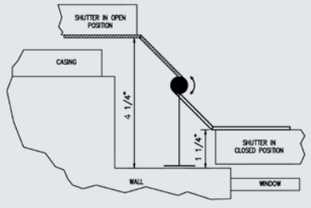
option #S1



option #S2

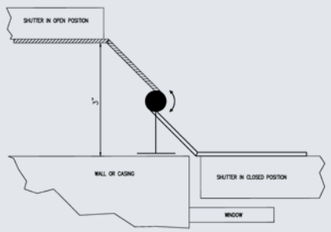


option #S3

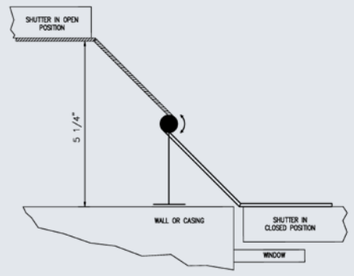


Recess installation

option #R1

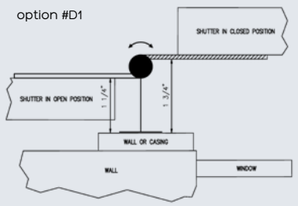


option #R2

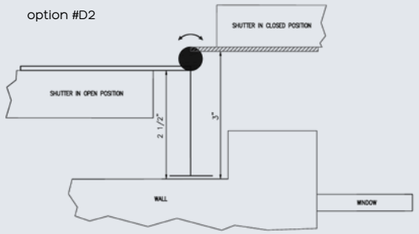


Decorative installation

option #D1



option #D2





Mount in Seconds

Custom Shutters in 4 steps

After you measure the opening:
1 | Cut parts and pieces to size using a miter saw
2 | Assemble shutters
3 | Fill holes
4 | Spray or brush shutters desired colors

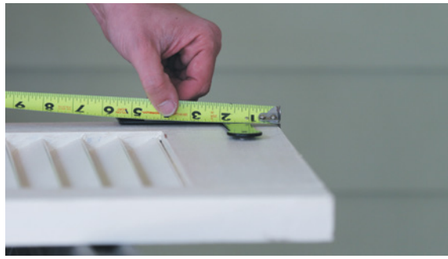
Bahama Conversion Kit

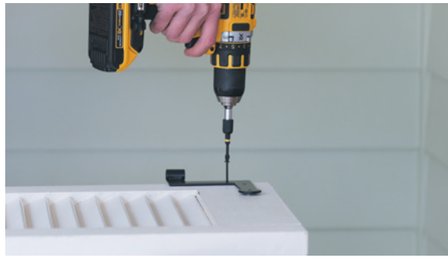
The Bahama conversion kit includes all of the hardware and parts to convert a pair of louver shutters into a pair of Bahama shutters. This kit includes angle stiffeners, tilt rods, double-sided mortise stiles and a paintable 4" hinge. For additional guidance regarding installation instructions, painting instructions and assembly, visit Aeratis.com.

Architect submittals are provided to architects, designers and all trade professionals to assist the product specification process. All component profiles are provided with the designated lengths and dimensions.















Custom Shutter Hardware

New York Style Hinges



Description:

The New York Style "L" hinge and pintles are the most common hinges sold for operable shutters. The Aeratis Custom Shutter In-A-Box comes with stainless-steel New York "L" hinges, pintles and also includes a mid-hinge for 3', 5', 7' and 2 pairs of mid-hinges for 10' shutters. These hinges will not rust and will allow you to open and close your shutters. All Aeratis New York style hinges are made of stainless-steel as are all screws to mount and secure your hinges to the shutters. All shutter hardware is powder-coated black and is scratch resistant.

Aeratis Custom Shutters In-A-Box are meant to be surface mounted. If your shutters need to be mounted inside of the window area, you may need to purchase a different set of hinges with the correct offset.

Included: 2 left hinges, 2 right hinges, 4 pintles, and stainless-steel screws

Aeratis Stainless-Steel Hinge Offset: 0"

Aeratis Stainless-Steel Pintle Offset: 1-1/4"

New York Style Mid-Hinges



Description:

Mid-hinges are made of stainless-steel and are powder-coated black. These mid-hinges are included with every pair of shutters and will provide additional support for your custom PVC shutters. All Aeratis shutters are required to have mid-hinges and all shutters over 10' must have 2 mid-hinges.

Included: 2 mid-hinges, 2 pintles, 2 pintle shims and stainless-steel screws
(4 mid-hinges 4 pintles, 4 pintle shims for 10' shutters)

Pintle Shims



Description:

Pintle shims are black, made of plastic and are 1/4" thick. These shims are included with each pair of shutters and are used to either increase the offset or help level the surface of the siding surface. Pintle shims are installed behind the pintles.

Included: 6 pintle shims (8 for 10' shutters)

Scroll Shutter Dogs

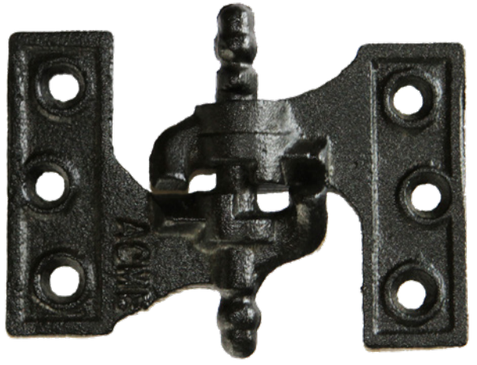


Description:

Each pair of Aeratis shutters include a pair of aluminum scroll dogs, stainless-steel lag bolt and our patent pending scroll dog shutter support. The Scroll Dog is aluminum and all lag bolts are stainless-steel. The shutter support is placed over the lag bolt and adds additional support to your Custom Aeratis shutters. All scroll dogs and lag bolts are powder-coated black.

Included: 2 scroll dogs, lag bolts, washers, cotter pins, scroll doll space, and 2 shutter supports with set screws

Aeratis Lull & Porter Hinges



Description:

The Aeratis Lull & Porter hinge is a special-order hinge. These hinges are made of zinc-alloy, will not rust and are powder-coated black. The Lull & Porter hinges are essential in areas of historic significance. Each zinc-alloy hinge is mortised into the edge of the shutter and the window casing. This hinge is designed to hold the shutter in the open position without needing shutter dogs but will need the shutters supports.

Available: 2019

Set Includes: 2 Pairs of Lull & Porter hinges

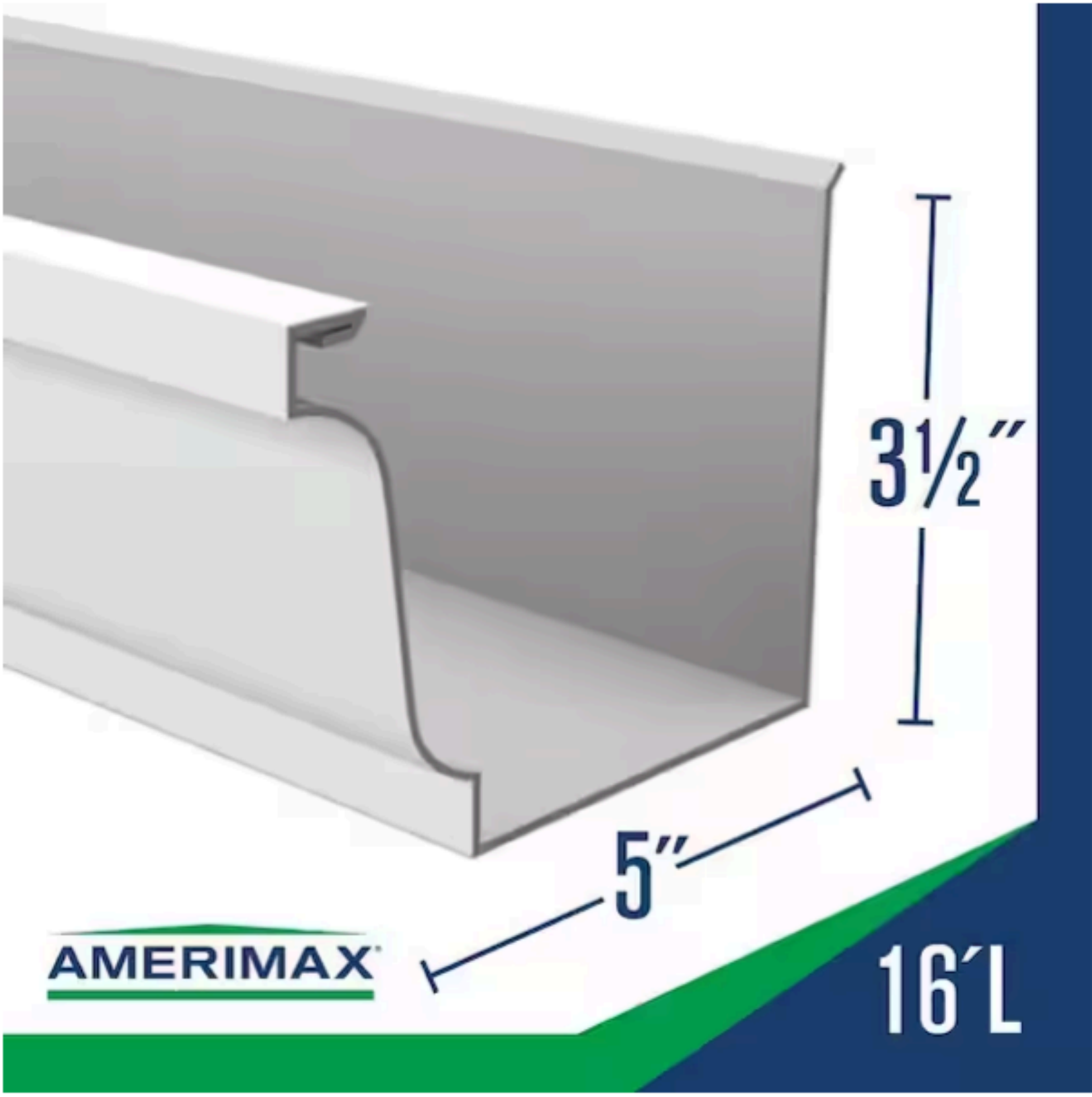
SIZES AND THROW FROM CASING:

Width	Throw	Offset	Material
4-1/2"	2-3/4"	1-3/8"	Zinc-Alloy

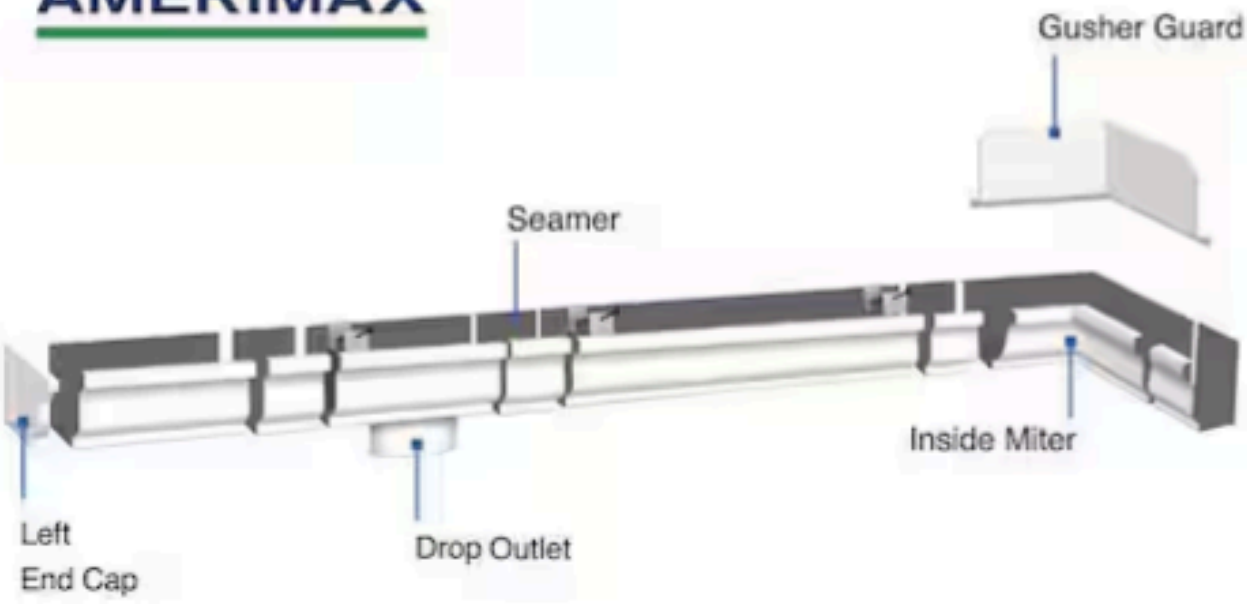


p. 888-676-2683 products@aeratis.com www.aeratis.com www.aeratisshutters.com


Rust-free aluminum construction for durability
Baked-on white enamel finish for low maintenance
AMERIMAX™


3½″
5″
AMERIMAX
16´L

AMERIMAX™

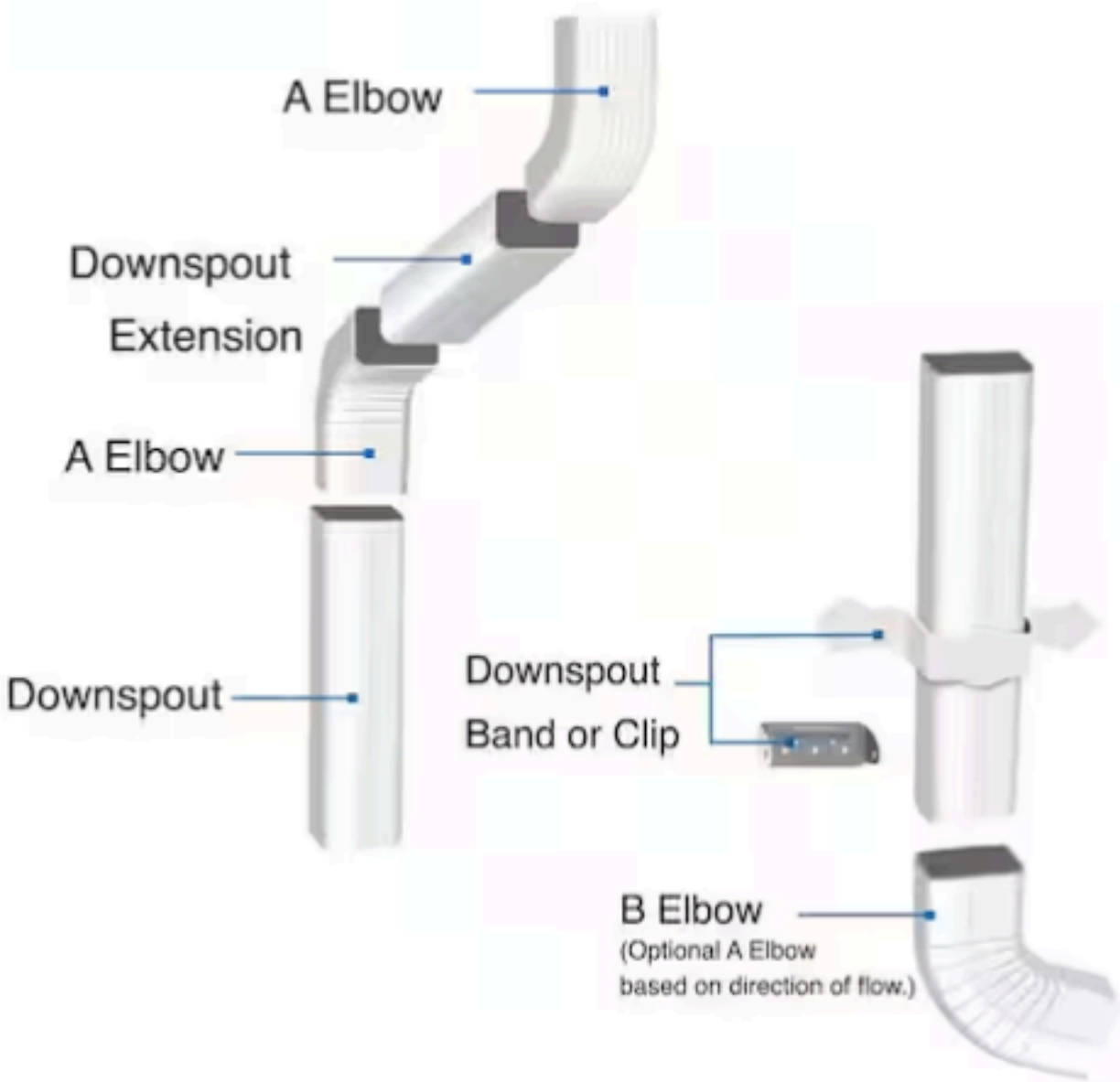





Optional Screw and Ferrule

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Cotswold Lane 4 Light 13.63 inch Black Outdoor Pendant, Large

by **Generation Lighting**

SKU: OL5414BK

☆☆☆☆☆ 0 Reviews

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Select Finish: Black

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★★★★☆ (32)

$199.99

Matte Black - Matte Black | Item 53118

Select Accessories You May Need Below:

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SKU: OL12001 BK

$209.00

Color: Black

Actual Size: 20.5"Hx9"Wx11.5"D

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