



# Certi-label™ Cedar Shakes and Shingles: Made from the Finest Wood Fiber on Earth



Green from the Start...



## QUALITY MEANS:

# What is the difference between a shake and a shingle?



## There are 3 Main Product Types:

- 1 **Certigrade® Shingles**
- 2 **Certi-Split® Handsplit and Resawn Shakes**
- 3 **Certi-Sawn® Tapersawn Shakes**

## TWO AVAILABLE TREATMENTS (choose one):



Pressure-Impregnated  
Fire-Retardant Treated  
Shakes and Shingles



Pressure-Impregnated  
Preservative Treated  
Shakes and Shingles

This brochure provides a general overview of product types, installation techniques and testing results. For complete details consult the Cedar Shake and Shingle Bureau's technical literature. Also important: consult your local building official and building envelope specialist to ensure projects are to correct specification for a specific jurisdiction. Cedar Shake and Shingle Bureau instructions are not meant to supersede local building code.


# Understanding Product Types





## SPECIFICATION BASICS


It takes attention to detail to correctly specify a shake or shingle product. Note that Blue Label® is a registered trademark of the Cedar Shake & Shingle Bureau ("CSSB"). To obtain a CSSB member product, insist upon the Certi-label™ brand name as part of the details on your specifications:

### How to specify a bundled product (4 different examples):

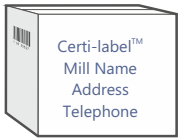
	Brand	Grade & Species	Product Type	Length and Thickness	Common Name
	Certigrade®	Number 1 Grade Western Red Cedar (Highest Shingle Grade)	Shingles	18" x 5/2¼"	Perfections (Perfs)

	Brand	Grade & Species	Product Type	Length and Thickness	Common Name
	Certi-Split®	Number 1 Grade Western Red Cedar	Handsplit & Resawn Shakes	24" x 3/4"	Heavies

	Brand	Grade & Species	Product Type	Length and Thickness	Common Name
	Certi-Split®	Premium Grade Western Red Cedar (Highest Shake Grade)	Handsplit & Resawn Shakes	18" x 1/2"	Mediums

	Brand	Grade & Species	Product Type	Length and Thickness	Common Name
	Certi-Sawn®	Premium Grade Alaskan Yellow Cedar	Tapersawn Shakes	18" x 3/4"	Tapersawns

### How to specify a cartoned product (sidewall shingles)

	Brand	Grade & Species	Product Type	Length	Common Name
	Certigrade®	Number 1 Grade Western Red Cedar	Sanded, Rebutted & Rejointed Shingles	18"	R&R





# QUALITY MEANS:

## EDGE GRAIN versus FLAT GRAIN

Here are some diagrams to help explain what to look for:

Flat grain is restricted by grade. No flat grain is permitted in Premium Grade shake or Number 1 Grade shingle products. Up to 20% per bundle is allowable in Number 1 Grade shake products.

**Edge Grain Surface**



**Edge Grain (Butt End)**

**Flat Grain Surface**



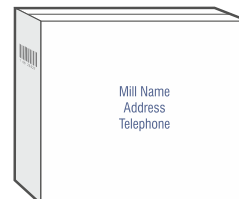
**Flat Grain (Butt End)**

## PACKAGING

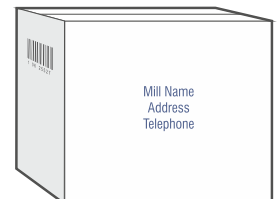


Roofing material is put in bundles, secured with bundle strap.

**Sidewall material is put in cartons:**



Half Carton



Full Carton

Look for the Certi-label™ on the carton.

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# Choosing Properly Inspected Product

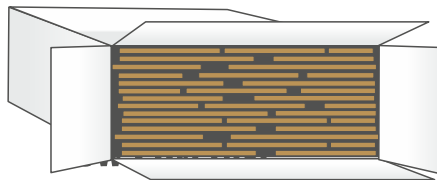


## COVERAGE

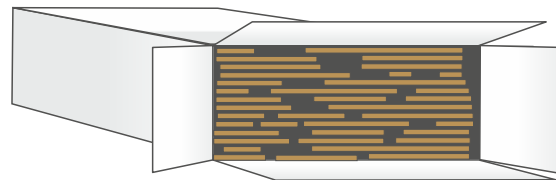
Coverage is the amount of roof or wall area the on grade product in a bundle or carton will cover.

Some manufacturers cheat by not putting the correct amount of ON GRADE coverage (i.e. lineal inches) in bundles and/or cartons. Others make cartons and/or bundles look full but they are actually smaller than standard size. Read the official grading rules and compare them with how much the bundle or carton holds:

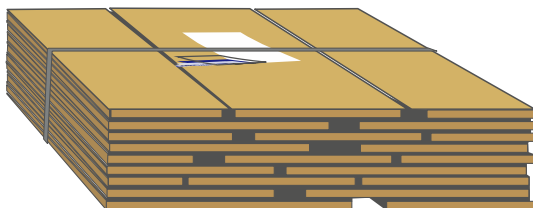
[http://www.cedarbureau.org/green\\_products/supporting-documents/grading-rules.asp](http://www.cedarbureau.org/green_products/supporting-documents/grading-rules.asp). Much like serving quantities of food, the calorie count doesn't always match the full contents of the container.



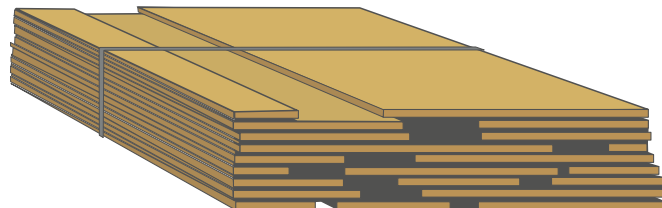
**Good Coverage**



**Low Coverage (look out for substandard sized cartons and bundles too)**



**Good Coverage**



**Low Coverage**



# QUALITY MEANS:

## *Giving Back to Mother Nature*

Trees are a renewable resource and the use of wood building products is an environmentally sound choice.

The forest industry replaces what it removes; the same cannot be said of iron ore, precious oil reserves, bauxite or limestone, all used to create alternative building products.



Wood is also the most energy-efficient building material available today. When you compare the total energy costs of different kinds of building materials - including the cost to acquire the raw material, transport it, process it into a useful product and then actually use it - wood far outshines its competitors.

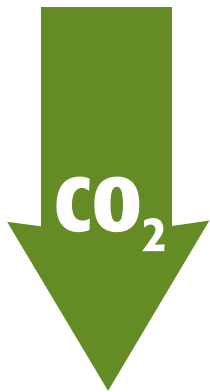


*Recyclable, renewable, replenishable...*

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## Certi-label™ Products Help Remove Carbon from our Atmosphere



### Carbon Dioxide is absorbed...

Photosynthesis allows trees to absorb carbon dioxide and release oxygen. Young, growing forests remove the most carbon from our air - cleaning the air that we breathe. Forests are key to removing greenhouse gases from our atmosphere.

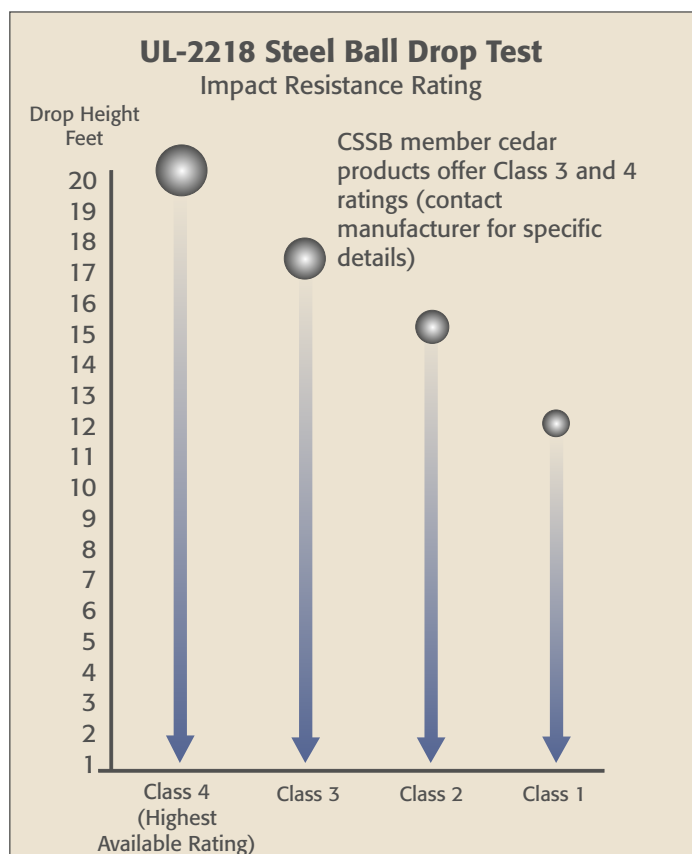
### Carbon is stored...

When forest products are manufactured, carbon is stored for decades, sometimes even centuries. Because the manufacturing process of Certi-label™ cedar shakes and shingles is labor intensive, as opposed to energy intensive, the planet benefits even more since there is less energy needed from fossil fuel or natural gas source depletion.

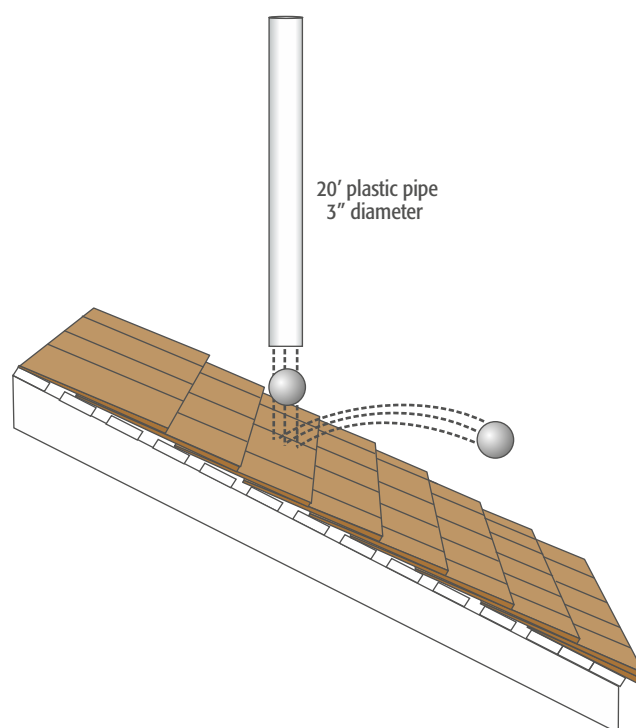


*wood is the greenest choice.*

# QUALITY MEANS:

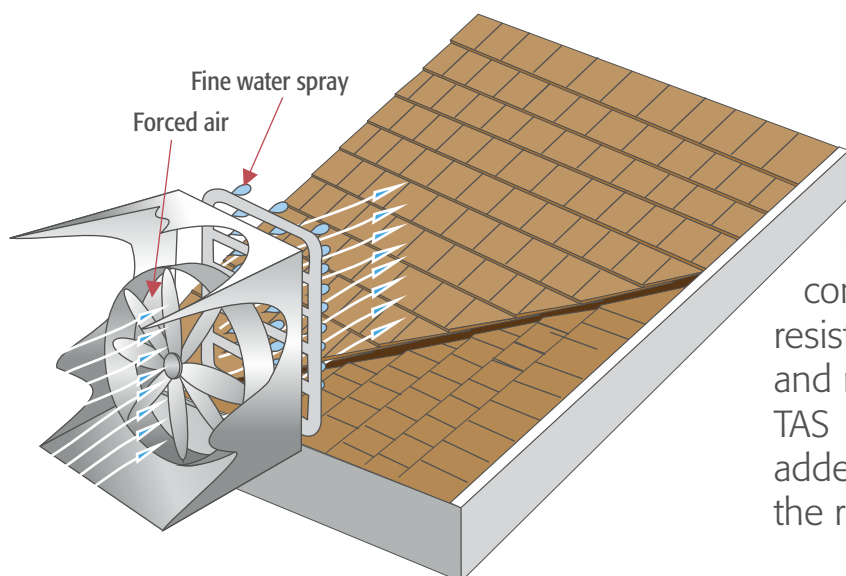


## IMPACT RESISTANCE



## WIND RESISTANCE

CSSB member products have met stringent Dade County, Florida requirements. Dade County, Florida, is considered to have the toughest wind resistance regulations in all of North America and roofing products are evaluated using TAS 100-95 Uplift Testing. Water is also added into this test's windstream to ensure the roof deck is free from leakage.



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# Weather Resistance

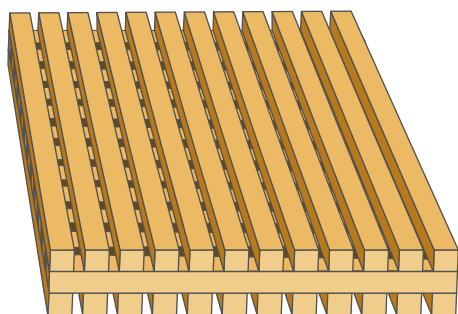
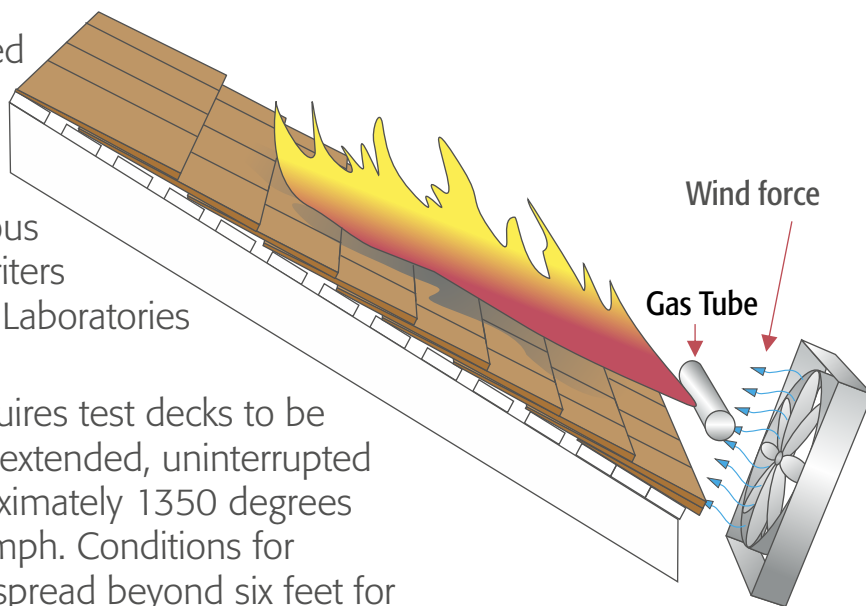


## FIRE RESISTANCE

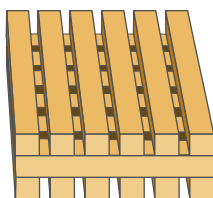
CSSB member pressure impregnated fire retardant treated cedar shakes and shingles provide fire protection locked into the roofing material, proven over and over in eight rigorous Underwriters Laboratories (Underwriters Laboratories, Inc. and Underwriters' Laboratories of Canada) designed tests.

Example: Spread of Flame Test: requires test decks to be subjected to a gas-fed flame for an extended, uninterrupted period using temperatures of approximately 1350 degrees Fahrenheit and an air speed of 12 mph. Conditions for acceptance: flaming shall not have spread beyond six feet for Class A, eight feet for Class B and thirteen feet for Class C. There shall have been no significant lateral spread of flame from the path directly exposed to the test flame.

Figures 1, 2 and 3 show blocks of wood used in the burning brand test.



**Figure 1.**  
**(Burning) Brand**  
**Class A**



**Figure 2.**  
**(Burning) Brand**  
**Class B**



**Figure 3.**  
**(Burning) Brand**  
**Class C**



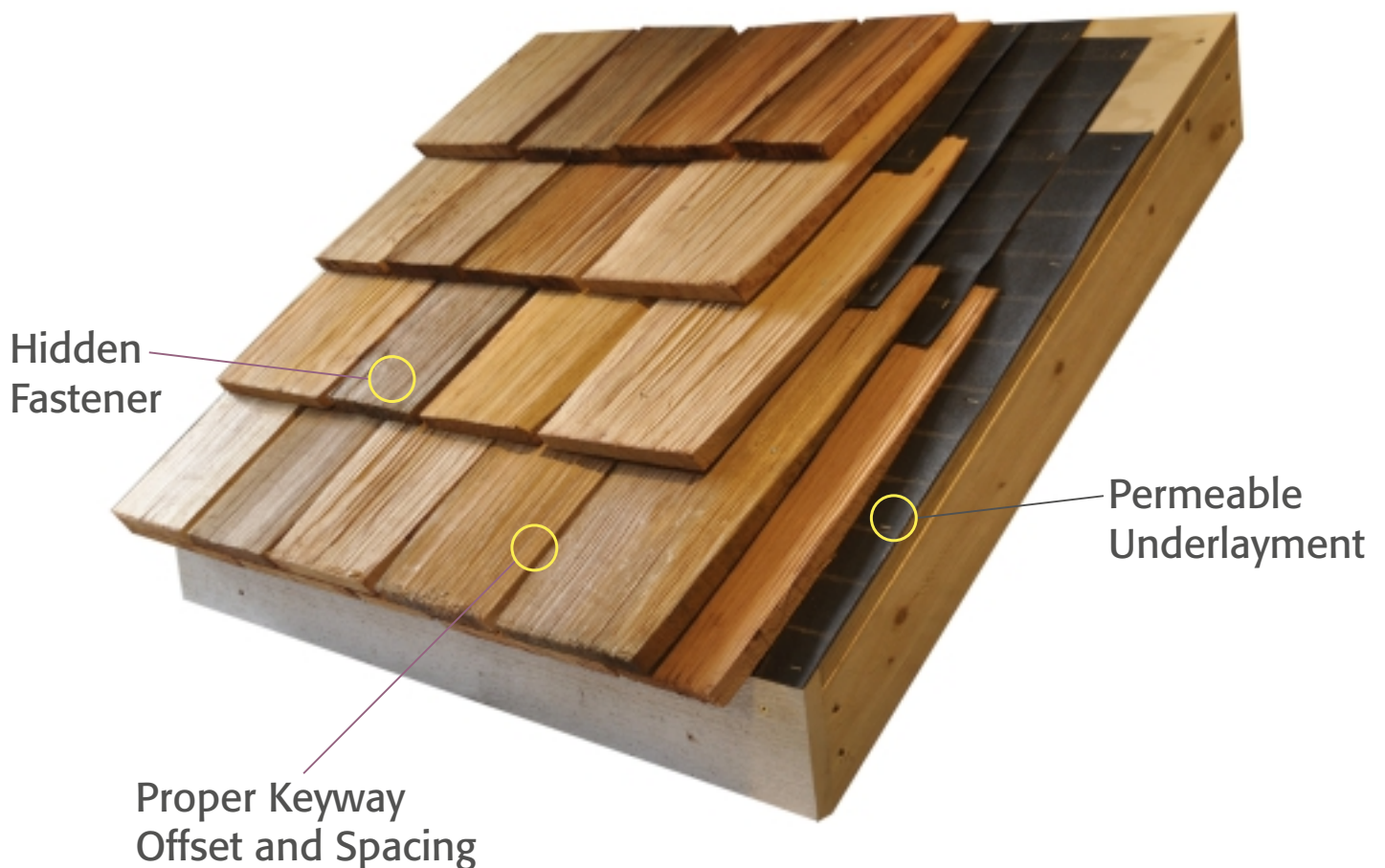
*Caution: not all cedar products are alike, of the same quality standard, or hold the same test results. CSSB test results are only applicable to CSSB member products. Ask to be sure!*



# QUALITY MEANS:

## Certi-Split® Handsplit and Resawn Shakes

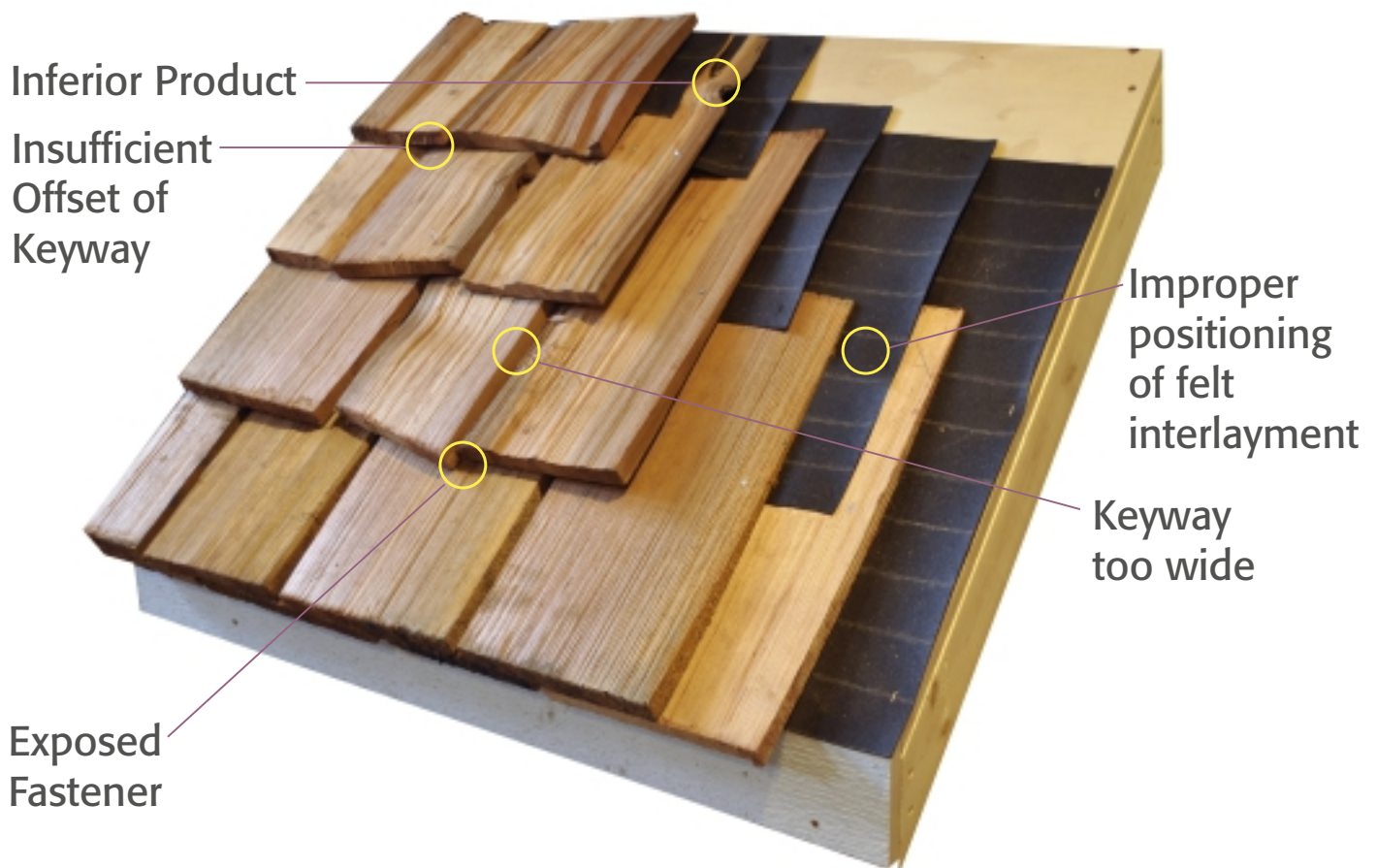
### Correct Handsplit and Resawn Shake Application



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## Incorrect Handsplit and Resawn Shake Application

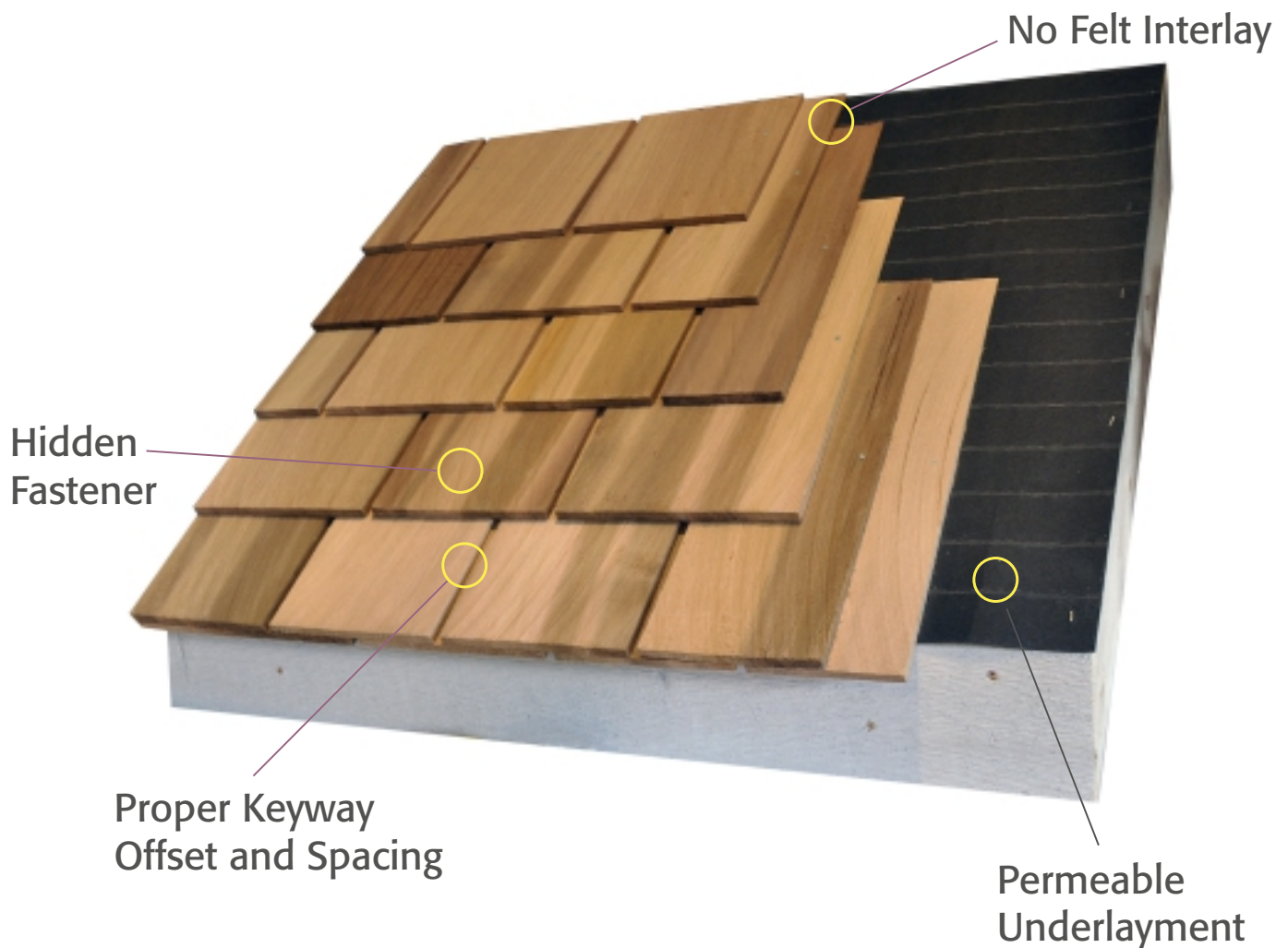




# QUALITY MEANS:

## Certigrade® Shingles

### Correct Shingle Application



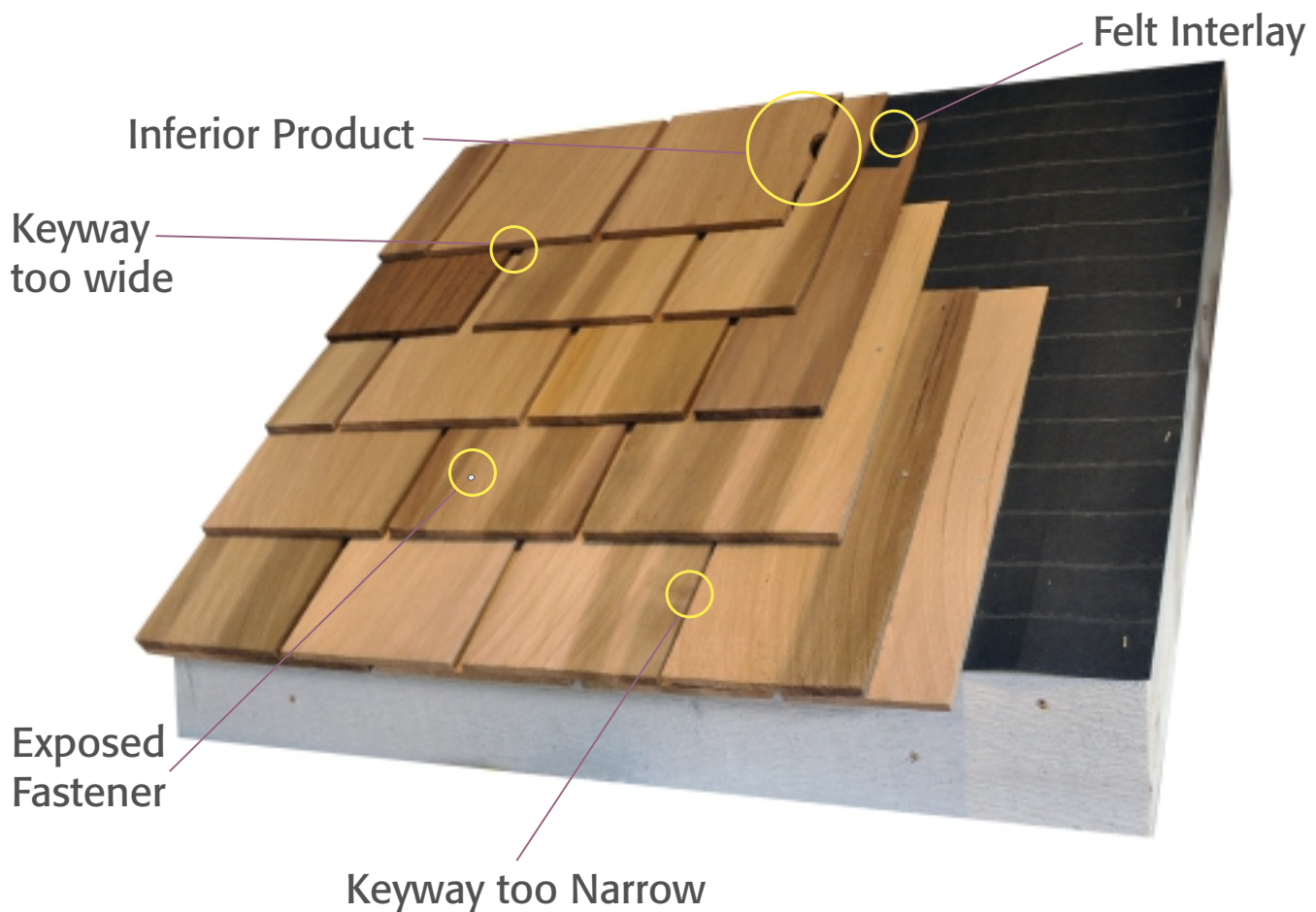
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# Correct Installation of Shingles



## Incorrect Shingle Application

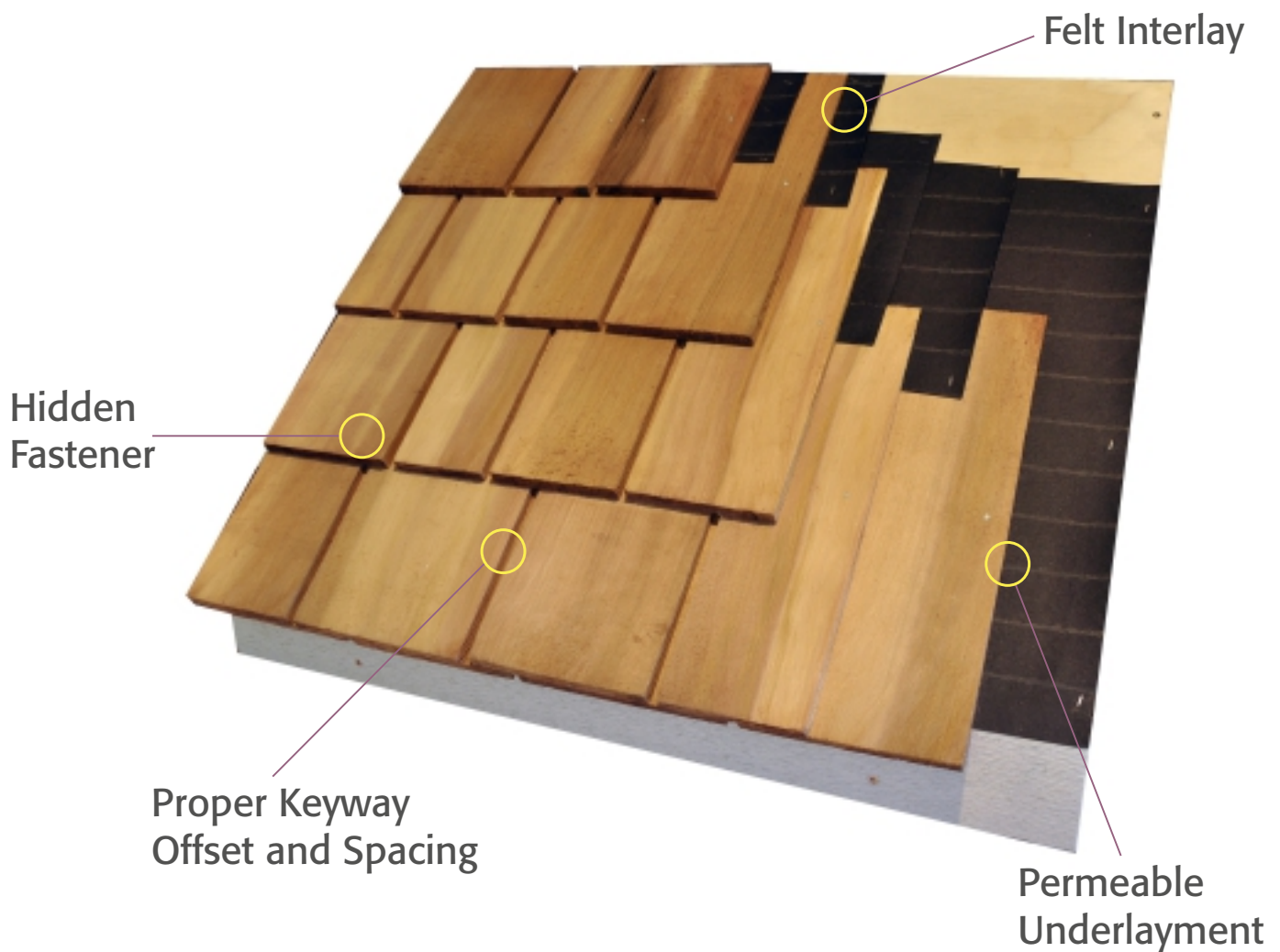




# QUALITY MEANS:

## Certi-Sawn<sup>®</sup> Tapersawn Shakes

### Correct Tapersawn Shake Application

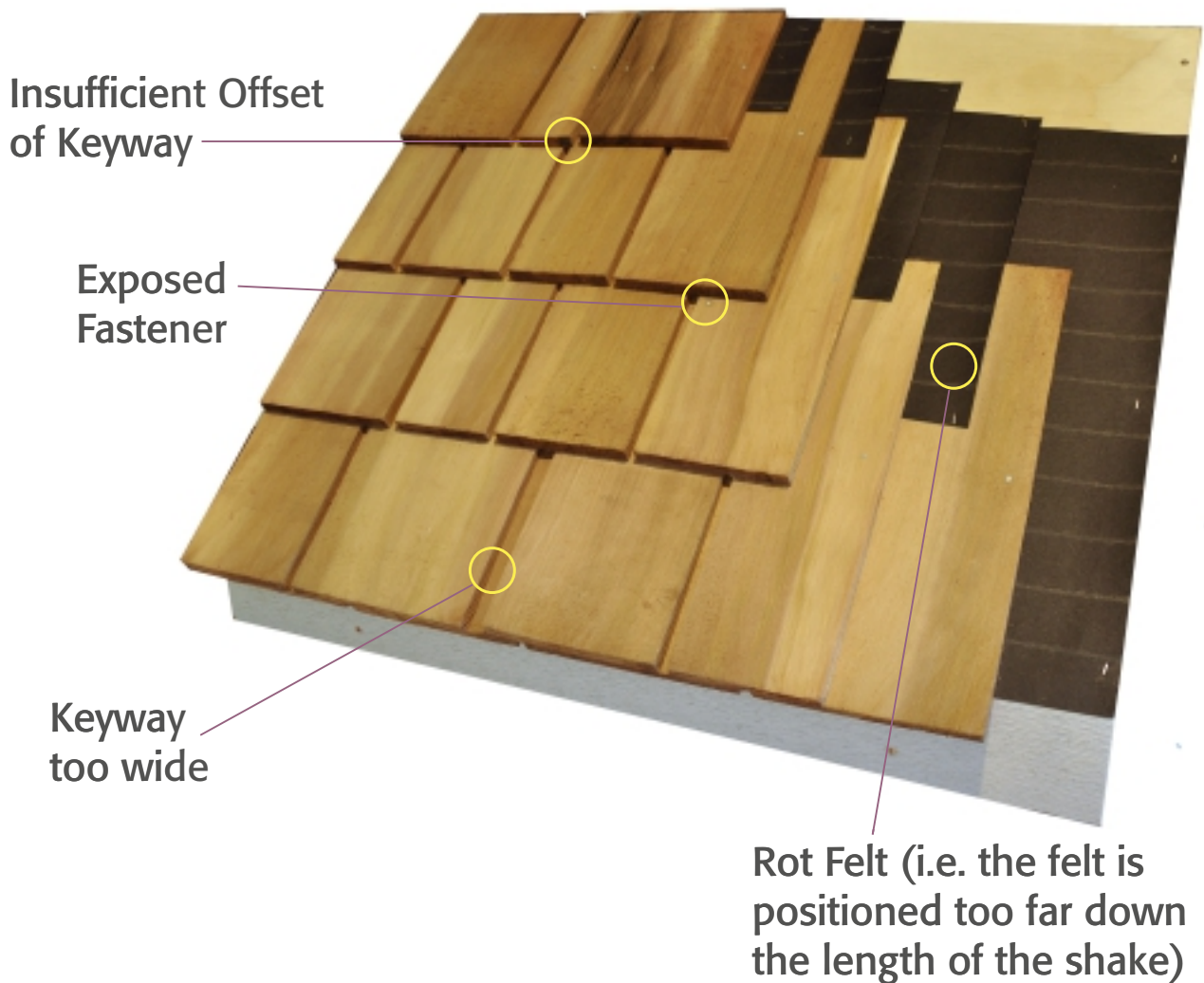


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# Correct Installation of Tapersawn Shakes



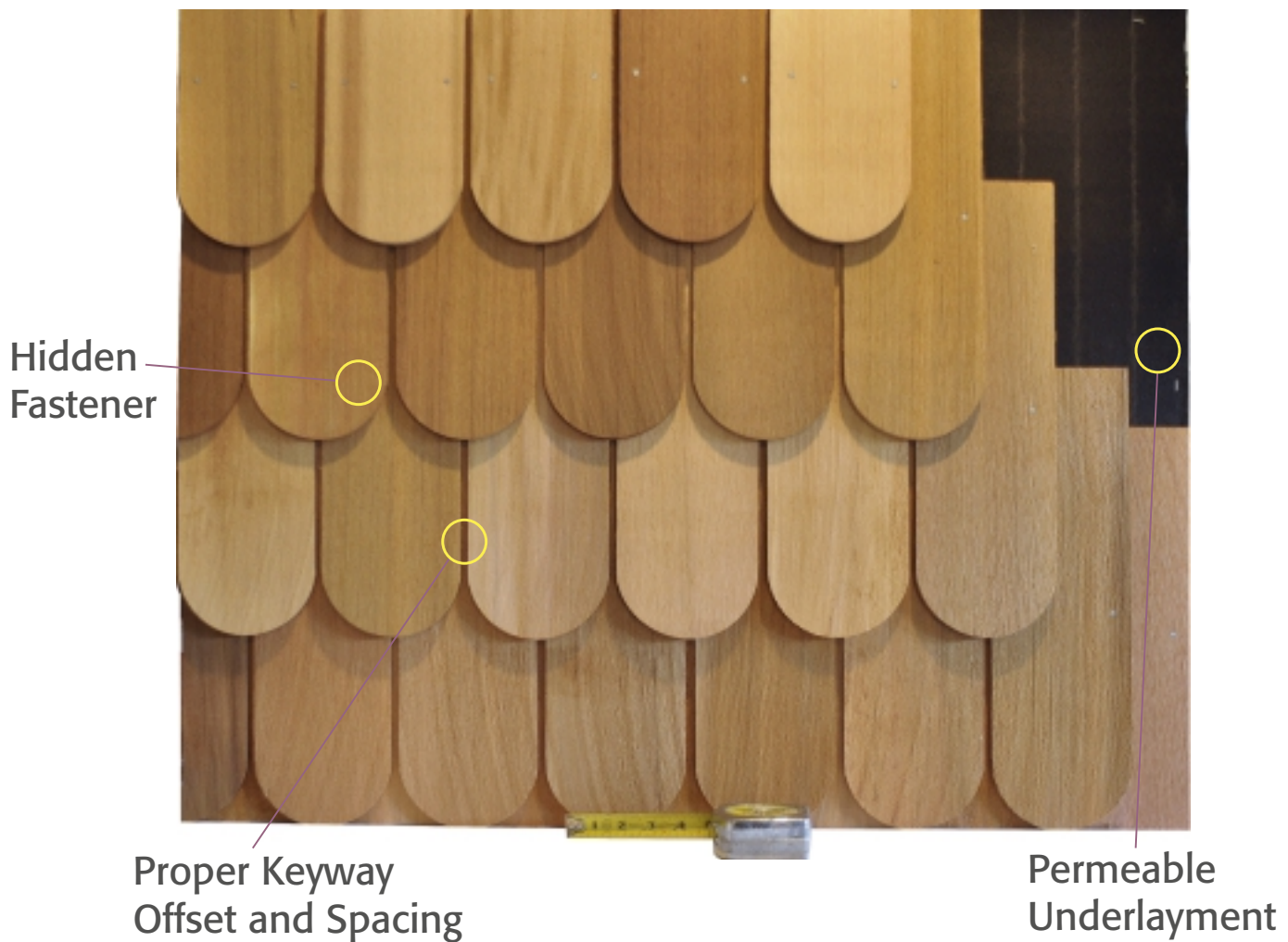
## Incorrect Tapersawn Shake Application





# QUALITY MEANS:

## Correct Sidewall Shingle Application



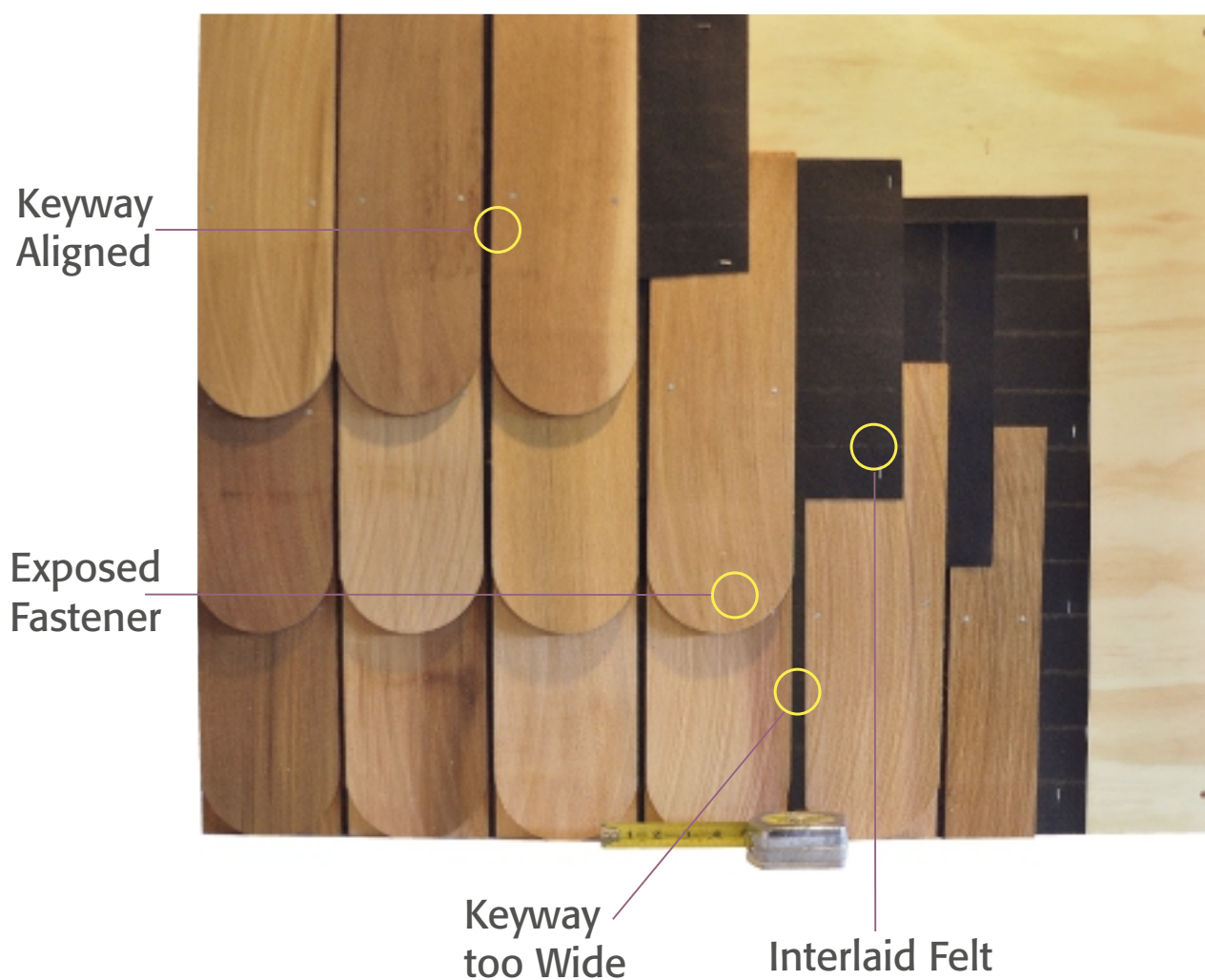
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# Correct Installation of Sidewall Shingles



## Incorrect Sidewall Shingle Application





# QUALITY MEANS:



Men using a Steam Donkey to harvest trees. Cables were attached to a 'spar tree'. After the tree was felled and bucked (cut into sections called logs), the cables pulled the log at a rapid pace. Source: CSSB Archives.



A pioneer logging family, likely from Washington State. Source: CSSB Archives.



Actors Lee Shumway, Lila Lee, Charlie Murray and Tom Post (studio owner Freeman Lang's stage name). Cast of 'Home of the Wooden Soldiers', one of Hollywood's first industrial 'Talkie' films, 1935. Source: CSSB Archives.



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# A Century of Experience: 1915 - 2015



Chief Inspector Fred Monte in 1923 – Perhaps the most famous photo from the CSSB Archives.



Chief Inspector Fred Monte discusses grading with a Shingle Weaver at the packing bin, likely 1940s or 1950s. Note the wooden bandsticks and metal bands on the overhead racks. Source: CSSB Archives.



Chief Inspector Fred Monte in later years. Source: CSSB Archives.

# QUALITY MEANS...

## Help When You Need It.

### **Tony Bonura**

District Manager, Northeast

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### **Tony Hyatt**

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District Manager, Southeast

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Architect: Bartels Pagliaro Architects  
Photo: Olson Photographic.

Lower photos from left to right:  
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Architect: George Dumitru.  
C & H Roofing, Inc.  
Huber & Associates.  
R W Mulligan Co. Inc.



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