

State of Alabama)
County of Baldwin)

CONTRACT FOR PUBLIC WORKS SERVICES

This Contract for **Professional and Construction** Services is made and entered into by and between the County of Baldwin (hereinafter called "COUNTY") acting by and through its governing body, the Baldwin County Commission, and Tindle Construction, LLC, (hereinafter referred to as "PROVIDER").

WITNESSETH:

Whereas, the Baldwin County Commission staff obtained quotes for roof repairs to the historic Native American Homes located at the Bicentennial Park; and

Whereas, PROVIDER presented the lowest quote to the COUNTY.
Therefore, COUNTY wishes to retain PROVIDER, and PROVIDER wishes to provide those services hereinafter set out under the following terms and conditions

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, the sufficiency of which being hereby acknowledged, PROVIDER and COUNTY do hereby agree as follows:

I. Definitions. The following terms shall have the following meanings:

- A. COUNTY: Baldwin County, Alabama
- B. COMMISSION: Baldwin County Commission
- C. PROVIDER: Tindle Construction, LLC

II. Obligations Generally. The COUNTY hereby retains, and the PROVIDER agrees to perform for the COUNTY, those public works services as hereinafter set forth. This document shall serve as the binding contract for the services of PROVIDER. PROVIDER shall immediately commence performance of the services outlined herein upon full execution of this Contract. All work shall be commenced and completed in a timely manner as, and at the times, herein set out.

III. Recitals Included. The above recitals and statements are incorporated as part of this Contract and shall have the effect and enforceability as all other provisions herein.

IV. Professional Qualifications. For the purpose of this Contract, the PROVIDER represents and warrants to the COUNTY that it possesses the professional, technical, and administrative personnel with the specific experience and training necessary to provide the professional services required herein.

V. No Prohibited Exclusive Franchise. The COUNTY neither perceives nor intends, by this Contract, a granting of an exclusive franchise or violation of Art. I, Section 22 of the Alabama Constitution.

VI. Representation/Warranty of Certifications, Etc. PROVIDER represents and warrants that PROVIDER is presently certified, licensed and otherwise permitted under all necessary and applicable laws and regulations to perform the services herein, and that PROVIDER shall renew, maintain, and otherwise ensure that all such certifications, licenses, and permits are current and valid, without interruption, for and through completion of the services. The representation and warranty aforesaid is a material inducement to the COUNTY in entering this Contract, and the parties agree that the breach thereof shall be deemed material at the County's option.

VII. Legal Compliance. PROVIDER shall at all times comply with all applicable Federal, State, local and municipal laws and regulations.

VIII. Independent Contractor. PROVIDER acknowledges that it is an independent contractor, and PROVIDER shall at all times remain as such in performing the services under this Contract. PROVIDER is not an employee, servant, partner, or agent of the COUNTY and has no authority, whether express or implied, to contract for or bind the COUNTY in any manner. The parties agree that PROVIDER shall be solely responsible for and shall have full and unqualified control over developing and implementing its own means and methods, as it deems necessary and appropriate in providing the aforementioned services, and that the COUNTY's interests herein are expressly limited to the results of said services. PROVIDER is not entitled to unemployment insurance benefits, and PROVIDER is responsible for and obligated to pay any and all federal and state income tax on any monies paid pursuant to this Contract.

IX. No Agency Created. It is neither the express nor the implied intent of PROVIDER or COUNTY to create an agency relationship pursuant to this Contract. Therefore, the PROVIDER does not in any manner act on behalf of COUNTY and the creation of such a relationship is prohibited and void.

X. Unenforceable Provisions. If any one or more of the provisions contained herein shall, for any reason, be held to be invalid, illegal or

unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof. This Contract shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

XI. Entire Agreement. This Contract represents the entire and integrated agreement between COUNTY and PROVIDER and supersedes all prior negotiations, representations, or agreements, either written or oral. This Contract may be amended only by written instrument signed by all parties.

XII. Failure to Strictly Enforce Performance. The failure of the COUNTY to insist upon the strict performance of any of the terms, covenants, agreements and conditions of this Contract shall not constitute, and shall never be asserted by PROVIDER as constituting, a default or be construed as a waiver or relinquishment of the right of the COUNTY to thereafter enforce any such term, covenant, agreement, or condition, but the same shall continue in full force and effect.

XIII. Assignment. This Contract or any interest herein shall not be assigned transferred or otherwise encumbered by PROVIDER without the prior written consent of the COUNTY, which may be withheld or granted in the sole discretion of the COUNTY.

XIV. Ownership of Documents/Work. The COUNTY shall be the owner of all copyright or other intellectual property rights in reports, documents and deliverables produced and paid for under this Contract, and to the extent permitted by Alabama law, any such material may be reproduced and reused at the discretion of the COUNTY without payment of further consideration. PROVIDER shall not transfer, disclose, or otherwise use such information for any purpose other than in performance of the services hereunder, without the COUNTY's prior written consent, which may be withheld or granted in the sole discretion of the COUNTY.

XV. Notice. Notice required herein shall be in writing, unless otherwise allowed, and said notice shall be deemed effective when received at the following addresses:

PROVIDER: Tindle Construction, LLC
210 Saraland Blvd. S.
Saraland, AL 36571
ATTN: Austin Bosarge

COUNTY: Baldwin County Commission
c/o Chairman
312 Courthouse Square
Suite 12
Bay Minette, AL 36507

XVI. Services to be Rendered. PROVIDER is retained by the COUNTY as a professionally qualified **contractor**. The general scope of work for the services shall include all the terms and Conditions of the “**Attachment A,**” the same being expressly incorporated herein by reference, and without limitation will encompass:

“Quotes for Roof Repairs to the Historic Native American Homes Located at the Bicentennial Park for the Baldwin County Commission described in Attachment A”.

A. PROVIDER will provide ongoing communications with COUNTY regarding this service, including updates, emails and etc. as requested. Additionally, PROVIDER will meet with COUNTY as needed or requested.

B. PROVIDER is responsible for the professional quality, technical accuracy, timely completion and coordination of all services furnished by or in relation to this Contract.

C. PROVIDER represents and warrants that its services shall be performed within the limits and standards provided by the COUNTY, in a manner consistent with the level of care and skill ordinarily exercised by similar providers under similar circumstances at the time the services are performed.

XVII. General Responsibilities of the COUNTY.

A. The COUNTY shall provide reasonable notice to PROVIDER whenever the COUNTY actually observes or otherwise actually becomes aware of any development that affects the scope or time of PROVIDER’s services hereunder or any defect or nonconformance in the work of PROVIDER.

B. The COUNTY shall pay to PROVIDER the compensation as, and subject to the terms set out below.

XVIII. Termination of Services. The COUNTY or PROVIDER may terminate this Contract, with or without cause or reason, by giving ten (10)

days written notice of such to the other party. Upon receipt of such notices, PROVIDER shall discontinue its work to the extent specified in the notice.

In the event of termination, the COUNTY shall pay PROVIDER for all services satisfactorily rendered, and for any expenses deemed by COUNTY to be a reimbursable expense incurred pursuant to this Contract and prior to the date of termination.

XIX. Compensation Limited. The compensation to be paid to the PROVIDER shall be the full compensation for all work performed by PROVIDER under this Contract. Any and all additional expenditures or expenses of PROVIDER, not listed in full within this Contract, shall not be considered as a part of this Contract and shall not be demanded by PROVIDER or paid by COUNTY.

XX. Direct Expenses. Compensation to PROVIDER for work shall be **\$46,000.00.** Said compensation shall be all inclusive, including without limitation, reimbursement of all cost, incidentals and operating expense associated with those directly engaged in performance of the requested services

XXI. Method of Payment. PROVIDER shall submit invoices to the COUNTY for payment for work performed. Such invoice shall be accompanied by a detailed account of compensation to be paid PROVIDER.

Payment shall be made by the COUNTY within thirty (30) days of the approval of the invoice submitted by the PROVIDER. The COUNTY agrees to review and approve invoices submitted for payment in a timely manner.

XXII. Effective and Termination Dates. This Contract shall be effective and commence immediately upon the same date as its full execution, and shall terminate upon either the expiration of no more than sixty (60) days after the Notice to Proceed is given or upon a written notification thereof received by either party within the required ten (10) day period. [Nothing herein stated shall prohibit the parties from otherwise terminating this Contract according to the provisions herein.]

XXIII. Force Majeure. The Parties hereto shall incur no liability to the other if performance becomes impossible or impracticable by reason of an event or effect that the parties could neither have anticipated nor controlled. This allowance shall include both an act of nature and acts of third parties. Any costs that would otherwise be incurred and/or necessitated by the provisions herein shall be alleviated for either party by such event or effect.

XXIV. Indemnification. To the fullest extent allowed by law, Provider shall indemnify, defend and hold County, and its Commissioners, affiliates,

employees, agents, and representatives (collectively "County") harmless from and against any and all claims, demands, liabilities, damages, losses, judgments, costs, and expenses including, without limitations, attorneys' fees, and costs, for any and all personal injury (including death) and property damage of any kind or nature whatsoever, incurred by, asserted against, or imposed upon County, as a result of or in any manner related to provision of services hereunder, or any act or omission, by Provider. Contractor shall provide the COUNTY with proof of general liability coverage including the COUNTY as an additional insured. This indemnification shall survive the expiration or termination of this Contract.

XXV. Number of Originals. This Contract shall be executed with three (3) originals, each of which are equally valid as an original.

XXVI: Governing Law: This Contract in all respects, including without limitation of its formation, validity, construction, enforceability and available remedies, shall be governed by the laws of the State of Alabama, without regard to Alabama conflict of law principles.

XXVII: Insurance: Prior to performing services pursuant to this Contract, Provider shall carry, with insurers satisfactory to County, throughout the term of hereof, Auto Liability Insurance, including owned, hired and non-owned vehicles, with limits of not less than \$1,000,000, combined single limit, for both bodily injury liability and property damage liability each occurrence; Commercial General Liability Insurance, including all contractual liability hereunder, with limits not less than \$1,000,000, combined single limit, for both bodily injury liability and property damage liability each occurrence; and Worker's Compensation Insurance, meeting the statutory limits of the State of Alabama and Employer's Liability Insurance fully covering all employees and supervisors participating in the work at the subject property site. All liability insurance shall name the County as an additional insured. Prior to commencing operations hereunder, a Certificate of Insurance evidencing such coverage, satisfactory to County, shall be furnished to County, which shall specifically state that such insurance shall provide for at least ten (10) days' notice to County in the event of cancellation, termination or any change in such insurance policies. The worker's compensation certificate shall bear an endorsement clearly, evidencing a waiver of the right of subrogation against County and County Representatives. Should Provider fail to furnish current evidence upon demand of any insurance required hereunder, or in the event of cancellation, termination or change in any such insurance, County may, at its option, suspend this Contract until insurance is obtained, terminate this Contract immediately without further action, or hold Provider in material default and pursue any and all remedies available.

IN WITNESS WHEREOF, the parties hereto have executed this Contract on the last day of execution by the COUNTY as written below.

COUNTY

ATTEST:

_____/_____
MATTHEW P. MCKENZIE, Chairman /Date

_____/_____
ROGER H. RENDLEMAN /Date
County Administrator

State of Alabama)

County of Baldwin)

I, _____, a Notary Public in and for said County, in said State, hereby certify that, Matthew P. McKenzie, whose name as Chairman of Baldwin County Commission, and Roger H. Rendleman, whose name as County Administrator, are known to me, acknowledged before me on this day that, being informed of the contents of the Contract for Professional and Construction Services, they, as such officers and with full authority, executed same knowingly and with full authority to do so on behalf of said Commission.

GIVEN under my hand and seal on this the _____ day of _____, 2025.

Notary Public
My Commission Expires

SIGNATURE PAGE AND NOTARY PAGE TO FOLLOW

PROVIDER:

Tindle Construction, LLC

_____/_____
By _____/Date
Its _____

State of Alabama)

County of Baldwin)

I, _____, Notary Public in and for said County and State, hereby certify that _____ as _____ of Tindle Construction, LLC, whose name is signed to the foregoing in that capacity, and who is known to me, acknowledged before me on this day that, being informed of the contents of the Contract for Professional and Construction Services, he executed the same voluntarily on the day the same bears date for and as an act of said Tindle Construction, LLC.

GIVEN under my hand and seal on this the _____ day of _____, 2025.

Notary Public
My Commission Expires

Tindle Construction

General Contracting

Austin Bosarge: Estimator
Office: (251)675-6117
Fax: (251)675-1777
210 Saraland Blvd. S.
Saraland, AL 36571
AL. GC. #51512

February 17, 2025
Baldwin County Commission
107 South Street
Bay Minette, AL 36507
Attn: Derrick Crocker

Project Site: Baldwin County Bicentennial Park
Projects: Re-roofing of 4) 25'x16' Huts

Tindle Construction, LLC is pleased to submit a lump sum price of \$46,000.00 to furnish the necessary labor, materials (unless otherwise noted), tools, and supervision to:

- Remove existing roofing and decking from 4) 25'x16' huts (Trusses to remain)
- Horizontal batten system 9" centers with 2"x2" strips (This will leave roofing visible from the underside)
- Install new synthetic thatch/ Fire rated panel fanned – Color: Weathers Palm (See attached submittal)

Clarifications:

1. This proposal is based on working 5–8-hour days Monday – Friday.
2. This proposal does NOT include drawings & or permitting, if required a CO will be required in order to move forward.
3. If Tindle discovers damaged/rotted trusses the owner will be notified, if the owner would like to replace the damaged material a change order will be discussed.
4. Net 30 pay terms.

Austin Bosarge

Austin Bosarge
Estimator / Project Manager
Tindle Construction, LLC

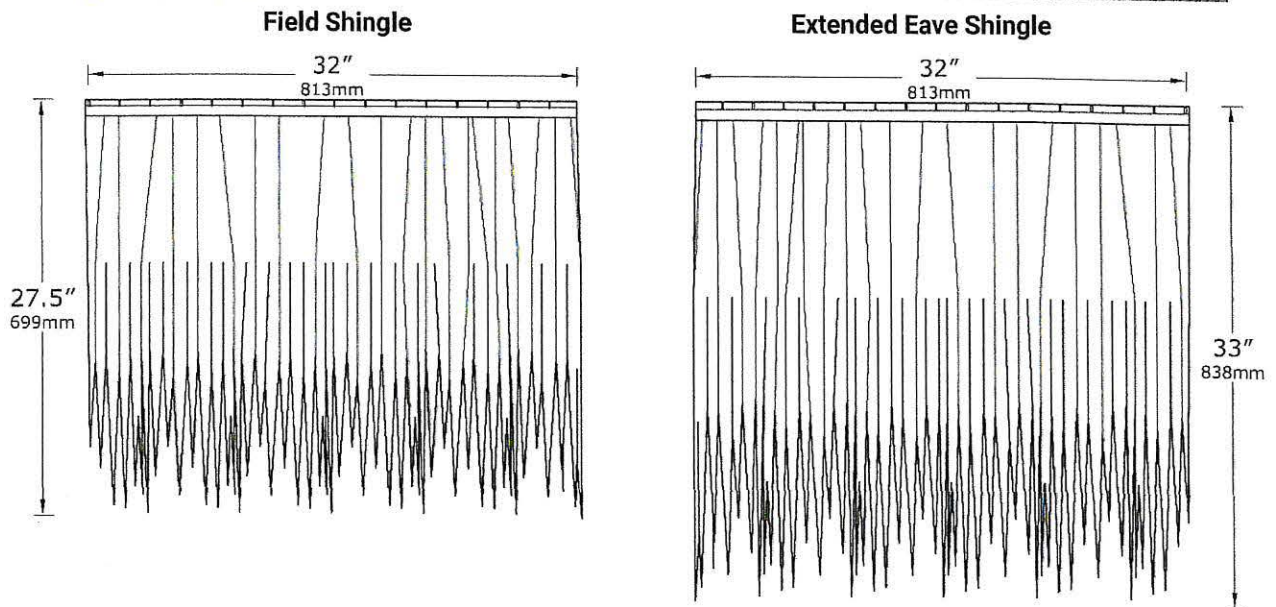


"Extended Eave" Product Data Sheet

Description

VIVA Extended Eave is a premium option with an overhang length of 30 inches which serves as an alternative to the standard eave detail with an overhang of 18 inches. VIVA extended eave is usable with all standard VIVA palm patterns and colors.

Components



<u>Part Numbers</u>	Weathered Palm	New Palm
Fanned Field Shingle	810101-WP	710101-NP
Folded Field Shingle	810100-WP	710100-NP
Extended Eave Shingle	810111-WP	710111-NP



Specifications

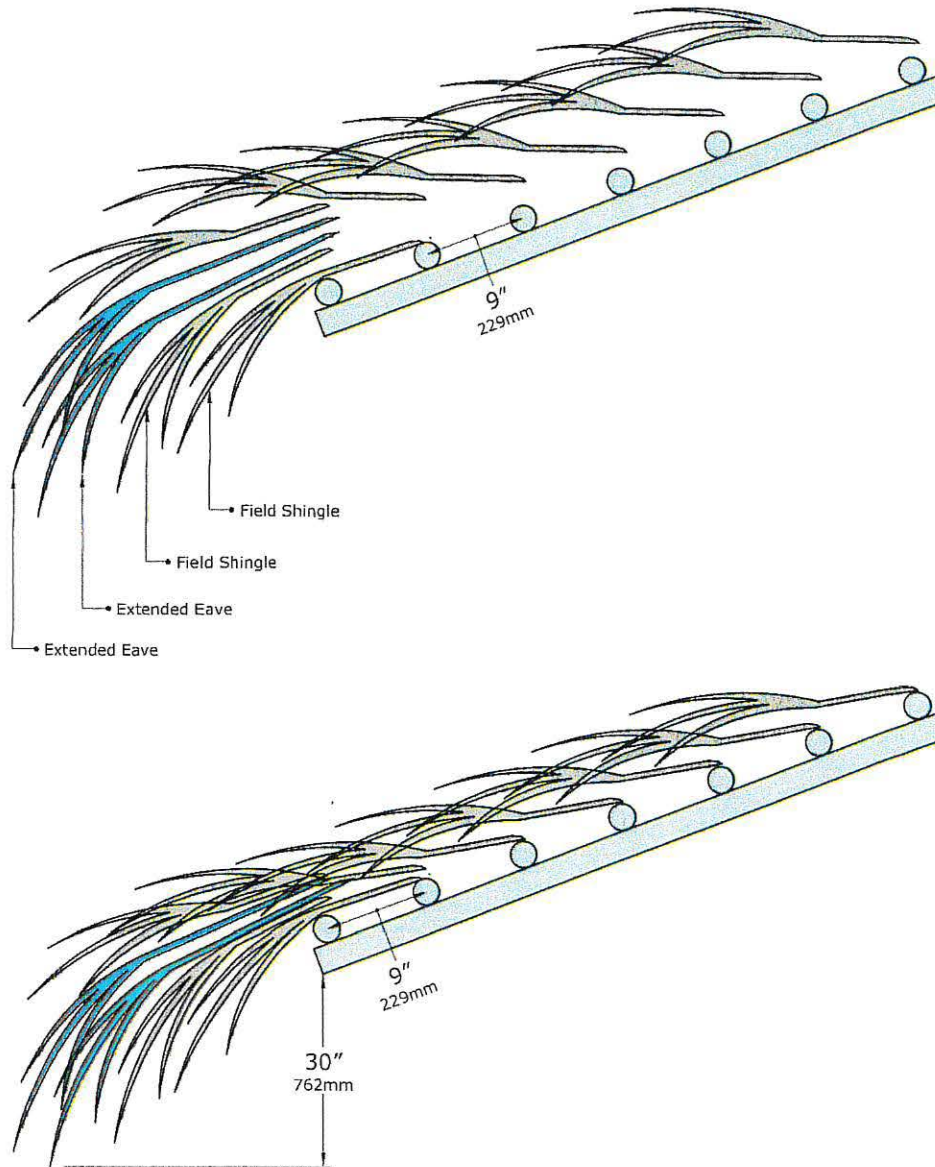
Part	Size	Weight	Exposure	Coverage	Material
Field Shingle	32"x 27.5"x 0.030" (813mm x 699mm x 0.8mm)	Avg. 0.97lb (0.44kg)	Up to 9" (229mm)	1.875 Sq.ft (0.174 m2) (5.72 pcs per m2) (1.3 pcs per linear m)	HDPE
Extended Eave Shingle	32"x 33"x 0.030" (813mm x 838mm x 0.8mm)	Avg. 1.15lb (0.52kg)	Avg. 9" (229mm)	0 Sq. ft (0.4 pcs per linear foot) 0 m2 (1.3 pcs per linear m)	HDPE

Shipping and Storage

Part	Box	Bulk Stack
Field Shingle (All colors, and styles)	Box <u>Quantity:</u> 70pcs <u>Size:</u> 37"x 28"x 11" (940mm x 711mm x 280mm) <u>Weight:</u> Approx. 70 lbs (31.75kg) <u>Coverage:</u> 12.2 m2 Pallet <u>Quantity:</u> 12 boxes (840pcs) <u>Size:</u> 40"x 48"x 89" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 900 lbs (408.2kg) <u>Coverage:</u> 146.8 m2	Pallet Full pallets only <u>Quantity:</u> 1,400 pcs <u>Size:</u> 40" x 48" x 69" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 1,500 lbs (680.4kg) <u>Coverage:</u> 244.7 m2
Extended Eave Shingle (All colors, and styles)	Box <u>Quantity:</u> 70pcs <u>Size:</u> 36"x 36"x 11" (914mm x 914mm x 280mm) <u>Weight:</u> Approx. 90 lbs (40.8kg) <u>Coverage:</u> 0 m2 Pallet <u>Quantity:</u> 8 boxes (1200pcs) <u>Size:</u> 40"x 48"x 89" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 800 lbs (362.8kg) <u>Coverage:</u> 0 m2	Pallet Full pallets only <u>Quantity:</u> 1000 pcs <u>Size:</u> 40" x 48" x 89" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 1,200 lbs (544.3kg) <u>Coverage:</u> 0 m2

Storage: Do not remove wrapping from bulk stack pallets until final placement at installation location.

Application



Can be used with all VIVA configurations (see VIVA PDS for more information)



Product Data Sheet

Description

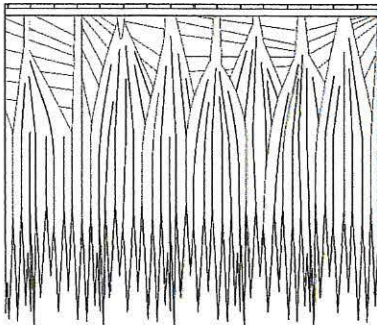
VIVA palm is an innovative roofing system simulating the appearance and texture of natural palm thatch. Whether installing on a new commercial project or retrofitting traditionally framed tiki hut, VIVA palms easy to install system gives decades of maintenance free performance.

Features

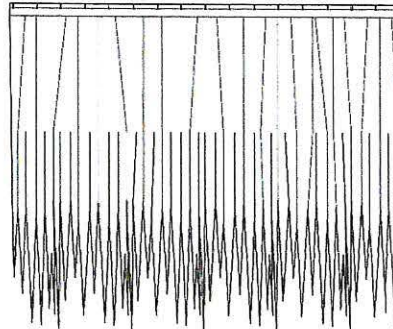
- 20 Year Guarantee
- Manufactured in the USA
- Fire and Wind Resistant
- No maintenance required
- Fast and easy installation
- Life-like design

Components

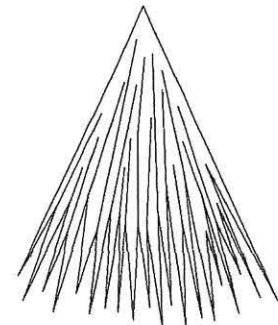
VIVA palm is available in two different pattern designs. The pattern design is visible on the interior ceiling when used in the horizontal or vertical batten configuration. The hip and ridge pattern is compatible with both fanned and folded designs.



Fanned Field Shingle



Folded Field Shingle



Hip/Ridge Shingle

<u>Part Numbers</u>	Weathered Palm	New Palm
Fanned Field Shingle	810101-WP	710101-NP
Folded Field Shingle	810100-WP	710100-NP
Hip/Ridge Shingle	810110-WP	710110-NP



Specifications

Part	Size	Weight	Exposure	Coverage	Material
Field Shingle	32"x 27.5"x 0.030" (813mm x 699mm x 0.8mm)	Avg. 0.97lb (0.44kg)	Up to 9" (229mm)	1.875 Sq.ft (0.174 m2) (5.72 pcs per m2) (1.3 pcs per linear m)	HDPE
Hip/ Ridge Shingle	22"x 27.5"x 0.030" (559mm x 699mm x 0.8mm)	Avg. 0.37lb (0.18kg)	Avg. 9" (229mm)	0 Sq. ft (1 linear foot 2 pieces) 0 m2 (1 linear meter 5 pieces)	HDPE

Packaging & Storage

Part	Box	Bulk Stack
Field Shingle (All colors, and styles)	Box <u>Quantity:</u> 70pcs <u>Size:</u> 37"x 28"x 11" (940mm x 711mm x 280mm) <u>Weight:</u> Approx. 70 lbs (31.75kg) <u>Coverage:</u> 12.2 m2 Pallet <u>Quantity:</u> 12 boxes (840pcs) <u>Size:</u> 40"x 48"x 89" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 900 lbs (408.2kg) <u>Coverage:</u> 146.8 m2	Pallet Full pallets only <u>Quantity:</u> 1,400 pcs <u>Size:</u> 40" x 48" x 69" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 1,500 lbs (680.4kg) <u>Coverage:</u> 244.7 m2
Hip/ Ridge Shingle (All colors, and styles)	Box <u>Quantity:</u> 100pcs <u>Size:</u> 37"x 28"x 11" (940mm x 711mm x 280mm) <u>Weight:</u> Approx. 45 lbs (20.41kg) <u>Coverage:</u> 0 m2 Pallet <u>Quantity:</u> 12 boxes (1,200pcs) <u>Size:</u> 40"x 48"x 89" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 600 lbs (272.1kg) <u>Coverage:</u> 0 m2	Pallet Full pallets only <u>Quantity:</u> 1000 pcs <u>Size:</u> 40" x 48" x 89" (1016mm x 1219mm x 2260mm) <u>Weight:</u> Approx. 400 lbs (181.4kg) <u>Coverage:</u> 0 m2

Storage: Store VIVA palm shingles in a dry, well-ventilated, weather tight, location. Do not expose boxes to excessive moisture. Overstacking boxes or excessive moisture may cause boxes to collapse. Do not remove wrapping from bulk stack pallet until final placement at installation location.



Testing & Approval

- Florida Product Approval FL-21047-R2

Test Standard	Result
(Fire) ASTM E-108	Class A
(Fire) ASTM E-84	Flame Spread 15
(Fire) ASTM E-84	Ceiling SDI 300
(Fire) UL 723	Flame Spread 15
(Fire) UL 723	Ceiling SDI 300
(Wind) ASTM D-3161	Class F
(Wind) TAS 107-95	110 MPH (Maximum test speed)
(Wind + Rain) TAS 100-95	Pass
(Uplift) UL 1897	Design Pressure 97.5 PSF
(Pull out) ASTM 3462	97 LBS.
(Physical properties) ASTM D 882	2630 PSI
(Physical properties) ASTM D 882	139%
UNE-EN 13501-1:2007+A1:2010(spain)	Broof(t1)
(Fire)As/Nzs 1530.3:1999(Australia)	Ignitability Index: 12 (0-12)
(Fire)As/Nzs 1530.3:1999(Australia)	Spread of Flame Index: 3 (0-10)
(Fire)As/Nzs 1530.3:1999(Australia)	Heat Evolved Index: 2 (0-10)
(Fire)As/Nzs 1530.3:1999(Australia)	Smoke Developed Index: 3 (0-10)
(Solar Reflectance) ASTM E-1980	New Palm- 0.25 Weathered Palm- 0.15
(Thermal Emittance) ASTM E-1980	New Palm- 0.88 Weathered Palm- 0.90
(SRI [medium wind]) ASTM E-1980	New Palm- 25 Weathered Palm- 13

Maintenance

VIVA palm was designed so that no maintenance is required to ensure the best performance. However, it is recommended to do an annual inspection and brush off any loose debris to keep your roof looking its best.

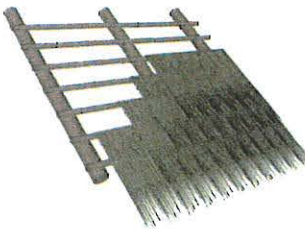
Warranty

VIVA palm has a 20 year limited warranty that covers faults in materials and workmanship in accordance with current warranty terms.



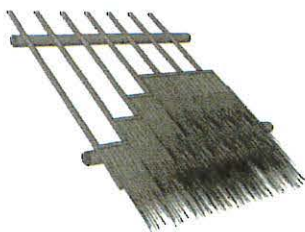
Application

VIVA palm is a universal system that can be installed on new construction or retrofit to existing structures. The versatile design allows it to be applied to a number of roofing substrates including the following: Horizontal batten, Vertical batten, Plywood deck, Concrete, and Metal. VIVA palm is suitable for use on any sloped roof with a pitch of 4:12 (18°) or greater. The total thickness of the roof system when installed is 1-1/2" (38.1mm).



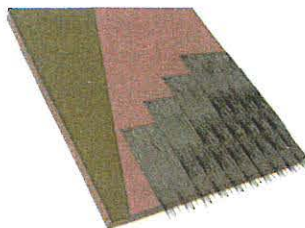
Horizontal Batten

VIVA palm installed over horizontal battens (up to 9"/229mm O.C.) functions as both the waterproofing and interior ceiling finish. Recommended fastener (6 per shingle) 11 gauge 1.25" ring shank roofing nails / 1.25" # 8 truss head screw



Vertical Batten

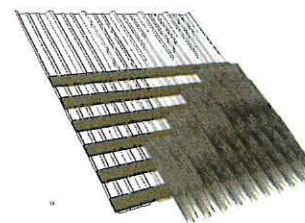
VIVA palm installed over vertical batten (up to 9"/229mm O.C.) functions as both the waterproofing and interior ceiling finish. Recommended fastener (5 per shingle) 11 gauge 1.25" ring shank roofing nail / 1.25" #8 truss head screws. ***folded field shingle design only**



Plywood Deck

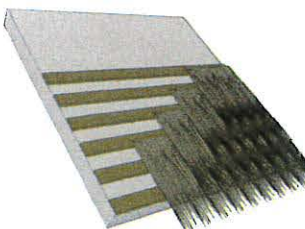
VIVA palm installed over min. 15/32" plywood deck, granulated underlayment soprema elastophene stick HR FR+ GR (up to 9"/229mm O.C.) Recommended fastener (6 per shingle) 11 gauge 1.25" ring shank roofing nail / 1.25" #8 truss head screws.

***this configuration complies with the Florida Product Approval FL-21047-R2**



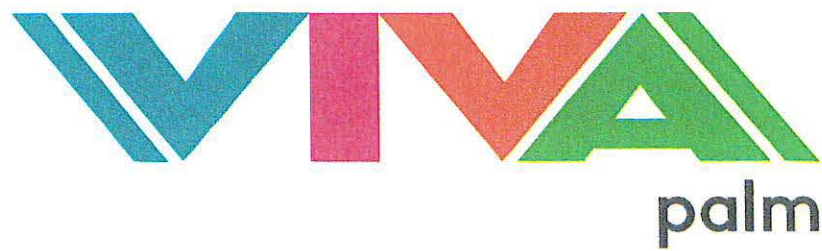
Metal

VIVA palm installed over metal deck, PT pine 1"x 4" battens (up to 9"/229mm O.C.) Recommended fastener (6 per shingle) 11 gauge 1" ring shank roofing nail / 1.25" #8 truss head screws.



Concrete

VIVA palm installed over concrete deck, PT pine 1"x 4" battens (up to 9"/229mm O.C.) Recommended fastener (6 per shingle) (11 gauge 1" ring shank roofing nails / 1.25" #8 truss head screws.



Wood Batten Installation Instructions

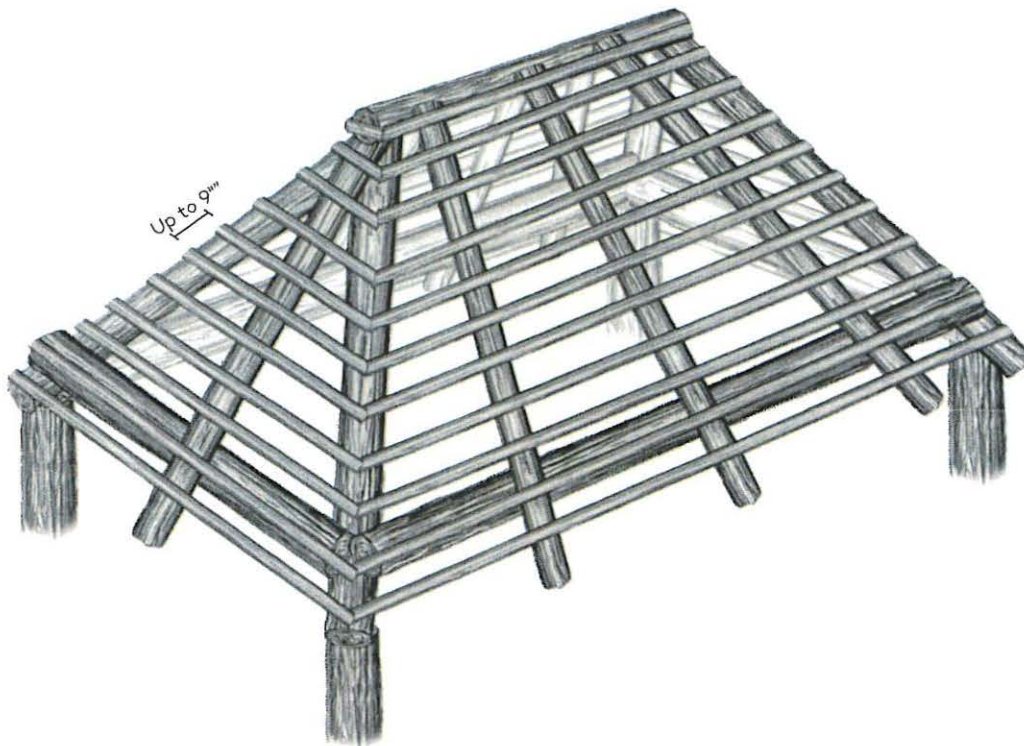
Overview

Structure

This instruction manual is for the installation of VIVA on an open batten roof frame (This installation guideline applies to both folded & fanned styles of the VIVA material.) Structure should be framed with weatherable wood (Eucalyptus, cypress, pressure treated) or synthetic material. Rafter spacing should be between 18 to 36 inches.

Batten size: min. 1.25", max. 2.25"

Batten spacing: Up to 9" on center



Slope

Minimum recommended slope for VIVA installation is 4/12. For best aesthetic and performance results, slopes of 6/12 and greater are recommended.

Fasteners

Nails: 1.25" Stainless Steel Ring Shank Roofing Nails

Screws: Stainless Steel 1.25" #8



Overview

Tools

- Nail Gun/Drill Driver
- Hammer
- Utility Knife
- Ladder/Scaffold
- Tape Measure

Material Handling

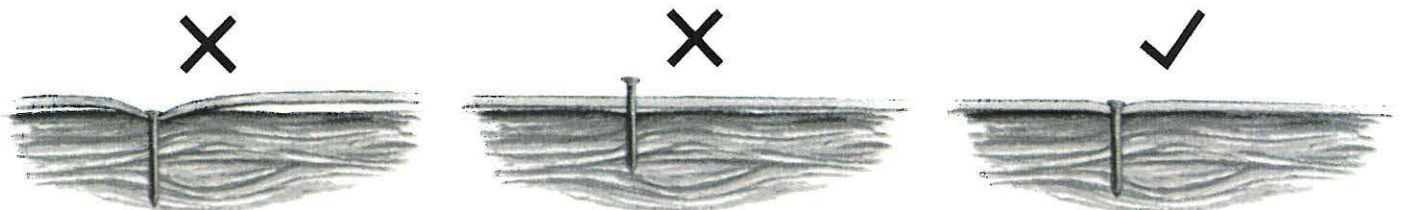
VIVA will arrive packaged in boxes or bundles of 70 pieces, stacked on a pallet of 12 boxes. Material should be protected from weather, sunlight and moisture until ready to unbox. Material can be compacted in the box during shipping, so it is necessary to loosen the material after removing it from the box as demonstrated below.



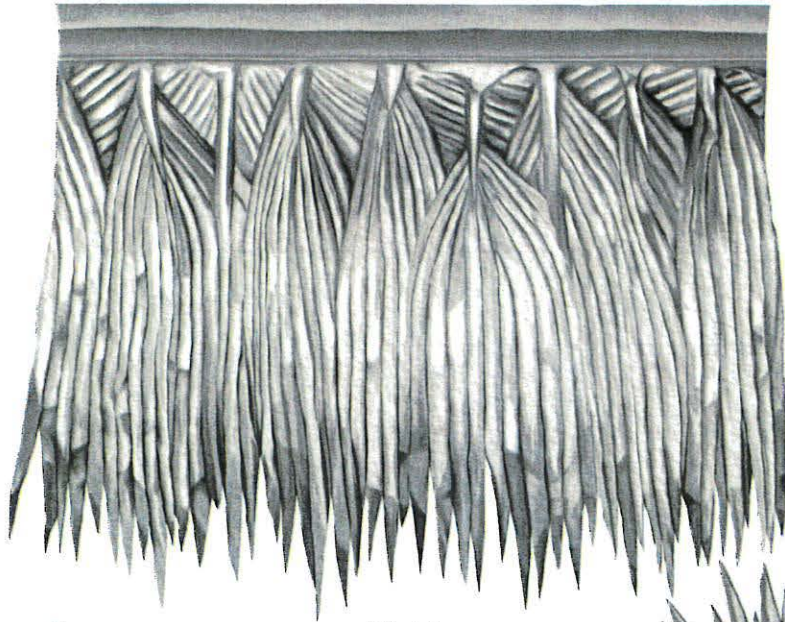
Safety

Always follow the safety guidelines of the tools and equipment you're using. Always observe any applicable OSHA regulations.

Nails/Screws



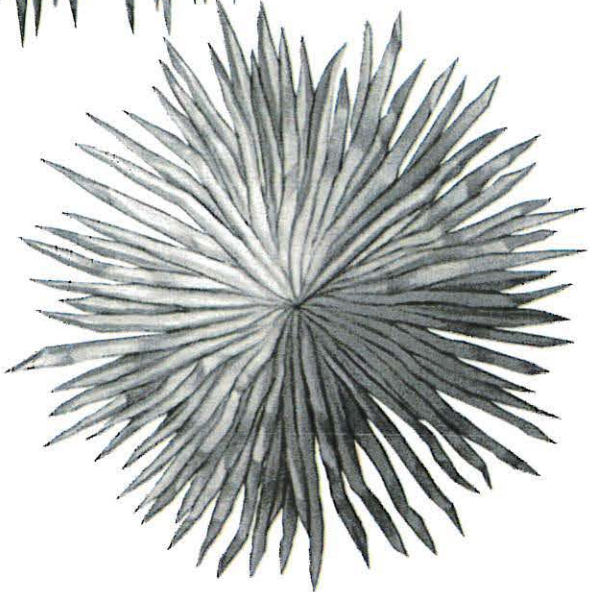
VIVA Palm Components



Field



Hip/Ridge



Cone Top

VIVA Specifications

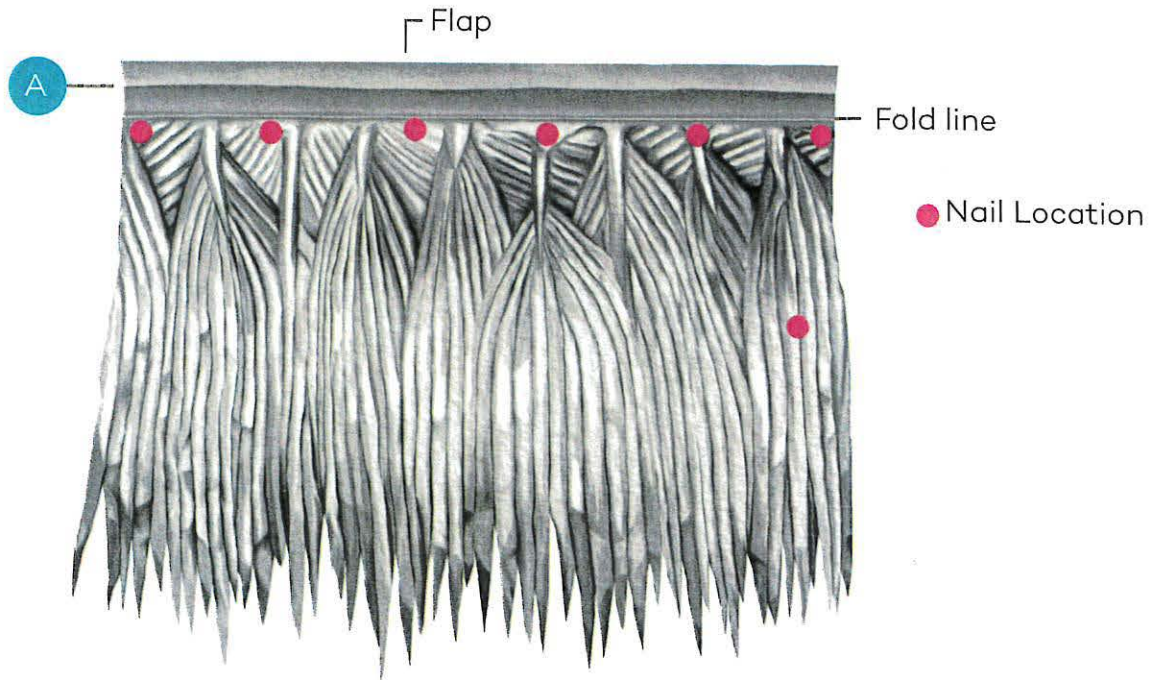
Fire Rating

Wind Rating

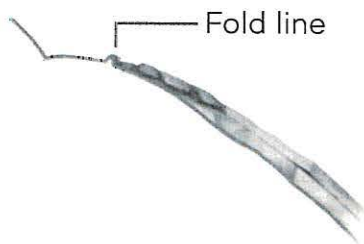
VIVA Specifications	Fire Rating	Wind Rating	
Field	32" by 27.5"	Class A	Wind Resistance up to Category 5 Hurricane
Hip/Ridge	22" x 27.5"	Class A	Wind Resistance up to Category 5 Hurricane
Cone Top	36" x 36"	Class A	Wind Resistance up to Category 5 Hurricane

*Available in non-fire rated

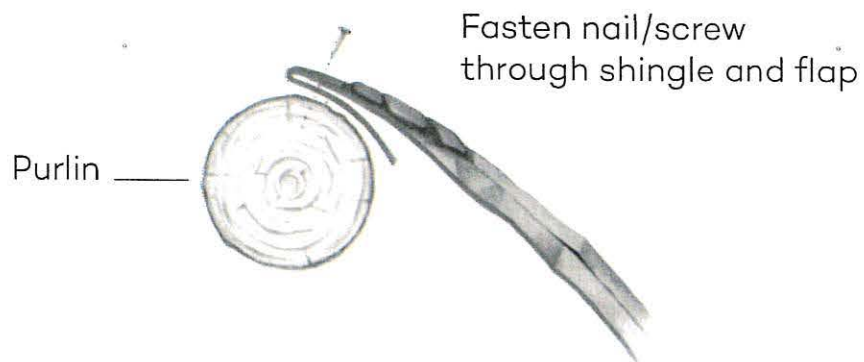
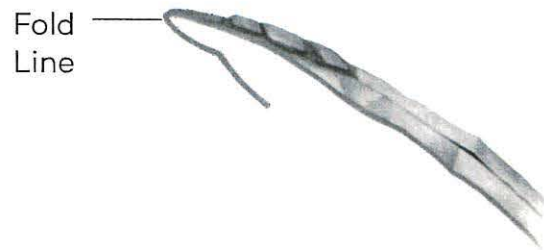
Fastening



A Flap Close up



Fold flap under

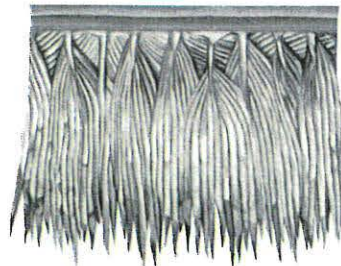


Installation: Eave

Tools Needed

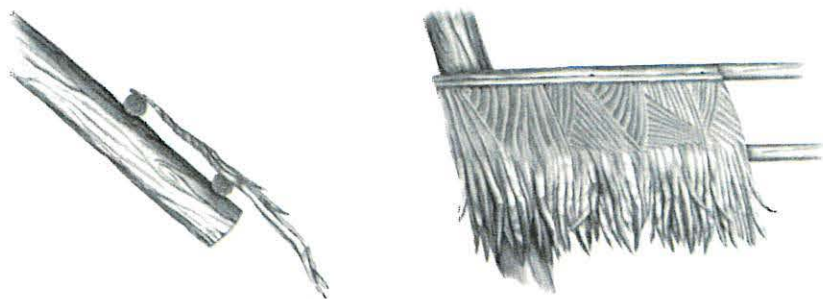
- Nail Gun/Drill Driver
- Hammer
- Utility Knife
- Ladder/Scaffold
- Tape Measure

Materials Needed

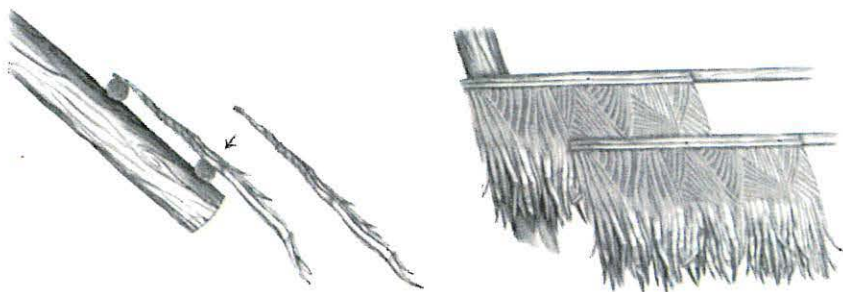


Field Shingle

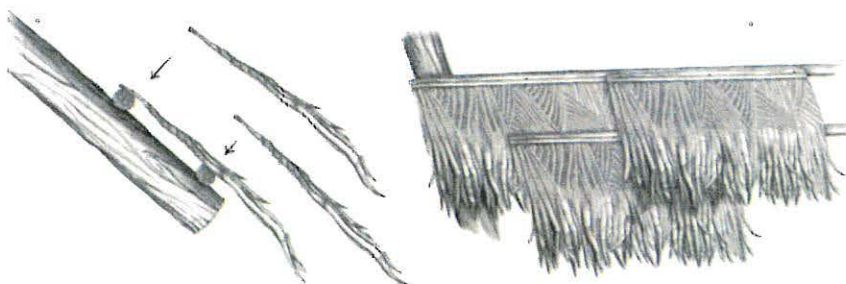
Construct the eave by installing the first row of field shingles on the second purlin, nailing on every indent except the top corner. Place a nail to the lower purlin at the end of the shingle, which will be covered by the following shingle. Always leave a minimum 2" inch side lap on all shingle installations.



Install the second row of the eave detail with the top of the shingle attached to the lowest purlin, nailing through both layers and into the lowest purlin. Placing the shingles at random heights creates a more natural appearance on the eave overhang.



Finally, the third row will attach to the same purlin as the first row. Make sure all side laps are a minimum of two inches.

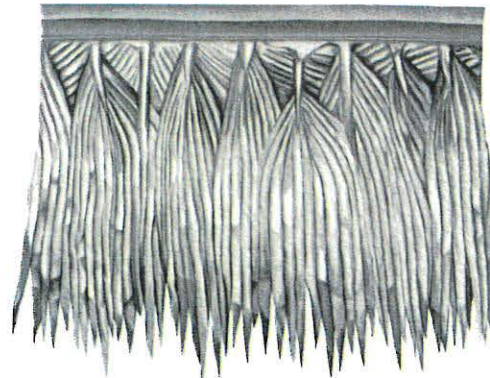


Installation: Field

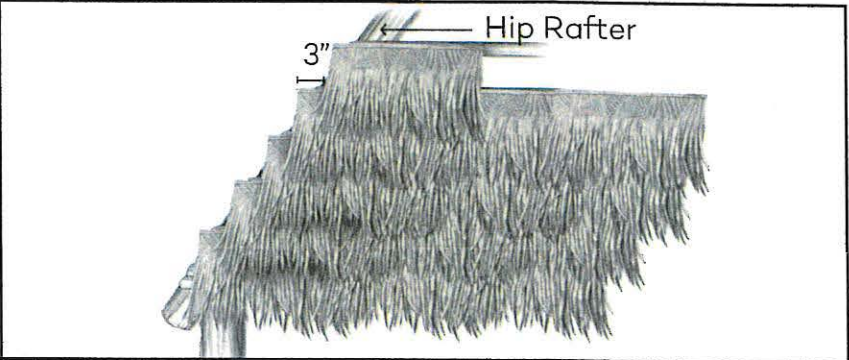
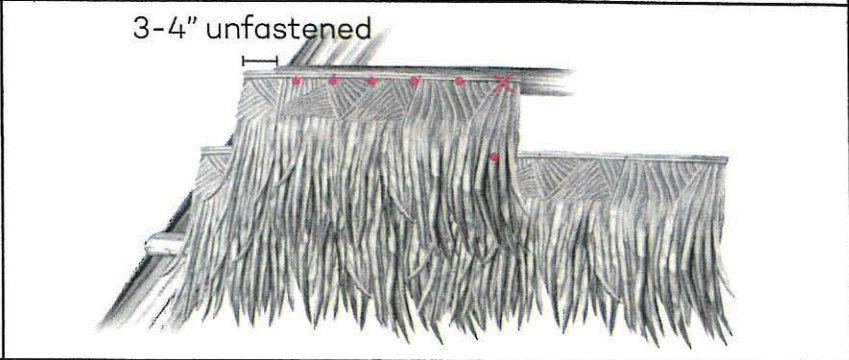
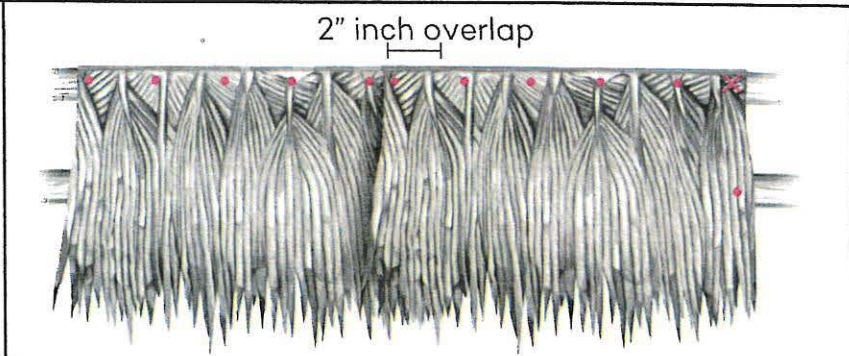
Tools Needed

- Nail Gun/Drill Driver
- Hammer
- Utility Knife
- Ladder/Scaffold
- Tape Measure

Materials Needed



Field

<p>Begin field shingle installation at the hip. Extend field shingle 3" over the center line of the hip.</p>	
<p>Fasten field shingle to the purlin, leaving 3-4" from the hip unfastened. Continue fastening, leaving the top corner unfastened, see X. Place one fastener in the field shingle on the purlin below.</p>	
<p>Overlap the next field shingle over the first by min. 2". Fasten through both shingles on the overlap at the corner.</p>	

Installation: Field

As you install the field shingles, be sure to off-set each row from the previous row at a minimum of 8"



Installation: Hip

Tools Needed

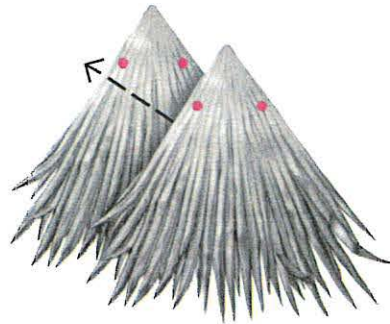
- Nail Gun/Drill Driver
- Hammer
- Utility Knife
- Ladder/Scaffold
- Tape Measure

Materials Needed

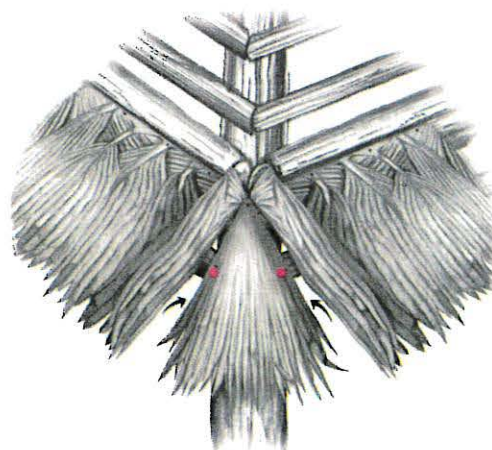


Hip/Ridge

Start the hip corner by stacking 2 hip/ridge shingles and inserting under the field shingle corners.

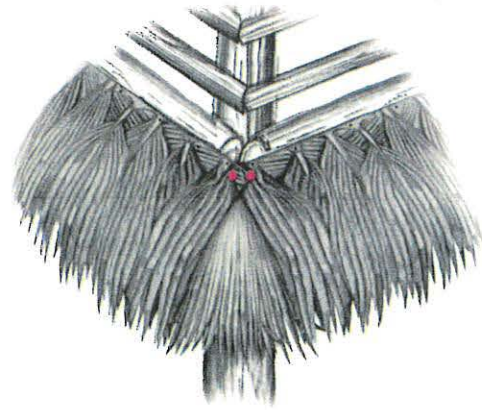


Place fasteners (2) through the two stacked hip shingles into the lower purlin

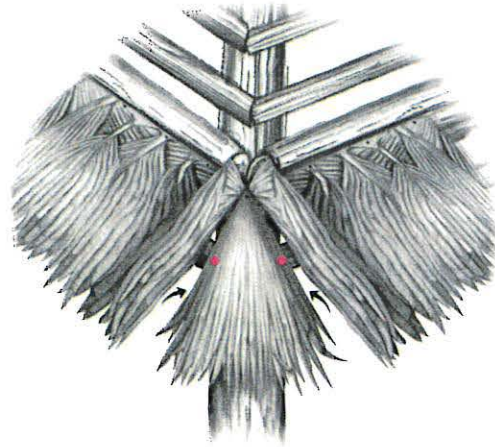


Installation: Hip

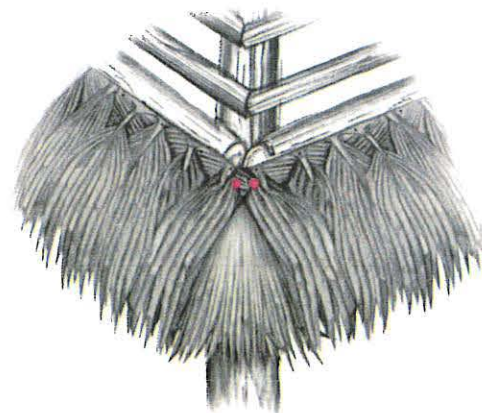
Fasten the corners of the field shingles over the top of the hip/ridge shingle.



Continue installing hip/ridge shingles 1 per row, lifting the field shingles and fastening the hip/ridge shingle to the previous purlin.



Fasten the corners of the field shingles over the top of the hip/ridge shingle.

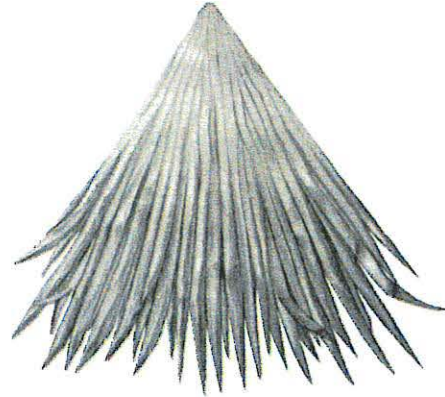


Installation: Ridge

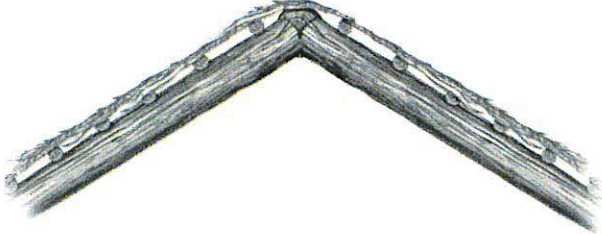
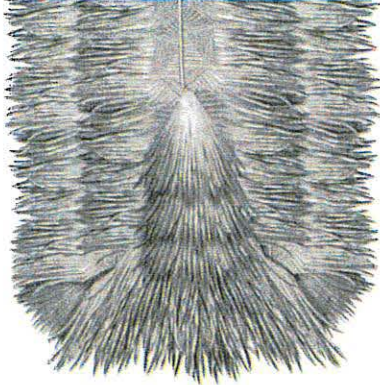
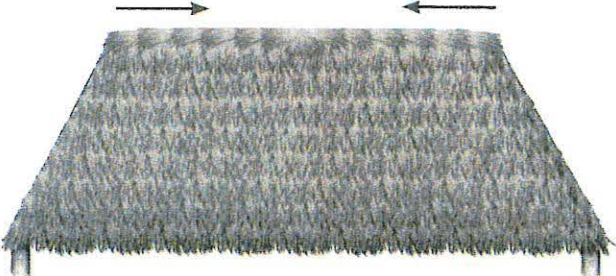
Tools Needed

- Nail Gun/Drill Driver
- Hammer
- Utility Knife
- Ladder/Scaffold
- Tape Measure

Materials Needed

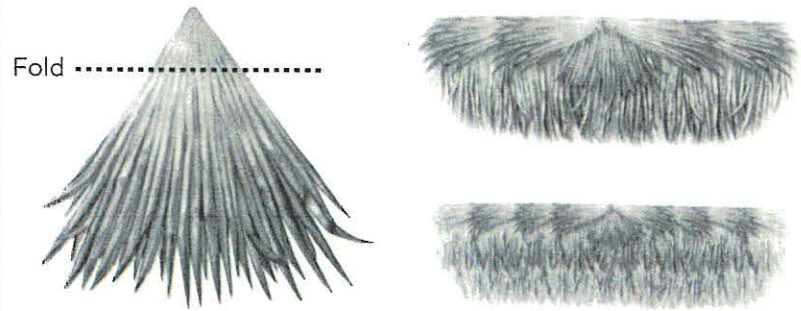


Hip/Ridge

<p>Make sure the top rows of the field shingle are overlapping the top of the ridge, this ensures the waterproofing for the ridge.</p>	
<p>Cover the ridge by installing the hip/ridge shingles perpendicular to the field rows, centering the shingles on the ridge with a 6" inch spacing. Use a minimum of 4 nails per ridge/hip shingle, placing the nails as far off the center as possible.</p>	
<p>Install the ridge shingles beginning at the ends of the ridge, working toward the center.</p>	

Installation: Ridge

A folded Hip/Ridge shingle can be used to create a transition between the Hip/Ridge shingles running in opposite directions.

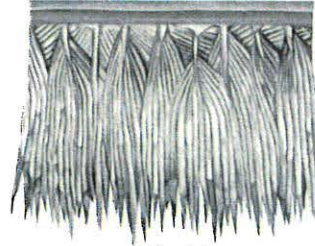


Installation: Gable End

Tools Needed

- Nail Gun/Drill Driver
- Hammer
- Utility Knife
- Ladder/Scaffold
- Tape Measure

Materials Needed



Field

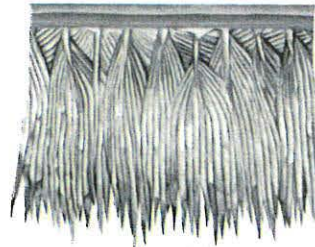
<p>Typical Gable End Framing Detail.</p>	A technical diagram showing the structural framing of a gable end. It illustrates the roof rafters meeting at a peak, with horizontal batten rafters supporting the roof sheathing. The gable end is supported by vertical studs and a horizontal fascia board.
<p>Always let the field rows extend past the gable with sufficient length to completely cover the fascia. This will enable the wrapping of the shingles around the fascia, to achieve the appropriate gable thickness.</p>	A photograph showing a bundle of shingles being wrapped around a wooden fascia board. The shingles are laid over the fascia, and their ends are being folded back to cover the top and sides of the board.
<p>Begin by wrapping the shingles around the fascia, and trim the length if necessary. Cut and fold the fond portion as needed, or use as aesthetic pieces.</p>	A photograph showing the shingles being fastened to the underside of the fascia board. Two curved arrows indicate the direction of the fasteners being driven into the wood. The shingles are held in place by these fasteners, creating a finished gable end. <p>Fasten Underneath</p>

Installation: Valley

Tools Needed

- Nail Gun/Drill Driver
- Utility Knife
- Hammer
- Ladder/Scaffold
- Tape Measure

Materials Hip Shingle



Field

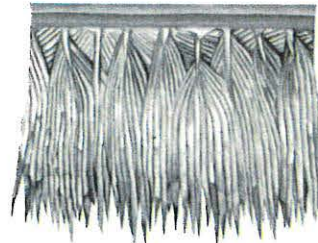
<p>Typical Valley Framing Detail.</p>	
<p>Begin Valley installation by cutting a field shingle in half. Install half shingles from the eave up, one shingle per course.</p>	
<p>Field coverage will be installed over the Valley, trimmed 2" inches - 3" inches off the center line of the Valley.</p>	

Installation: Round/Octagonal Structures

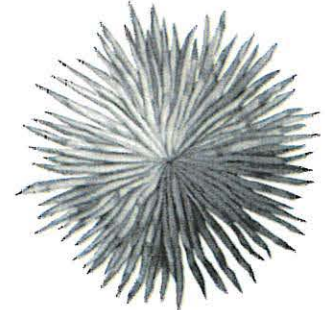
Tools Needed

- Nail Gun/Drill Driver
- Utility Knife
- Hammer
- Ladder/Scaffold
- Tape Measure

Materials Needed



Field



Cone Piece

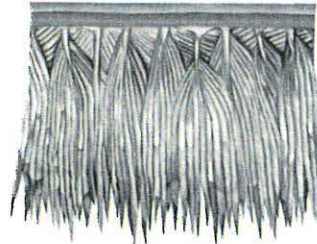
<p>Typical Round/Umbrella framing. (Most "Round Structures" are typically a segmented frame.)</p>	
<p>Begin with the eave installation, followed by the field. Trim the Field shingles to the center line of the roof segment. (See Eave and Field Installation on page 5 and 7.)</p>	
<p>Cut Field shingles into 4 pieces and install them over the center line of the roof segment. (See Hip installation on page 8.)</p>	

Installation: Round/Octagonal Structures

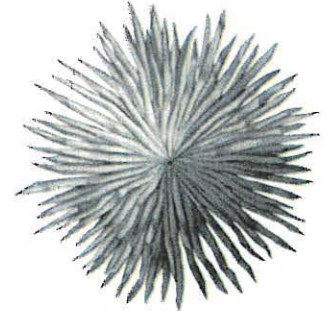
Tools Needed

- Nail Gun/Drill Driver
- Utility Knife
- Hammer
- Ladder/Scaffold
- Tape Measure

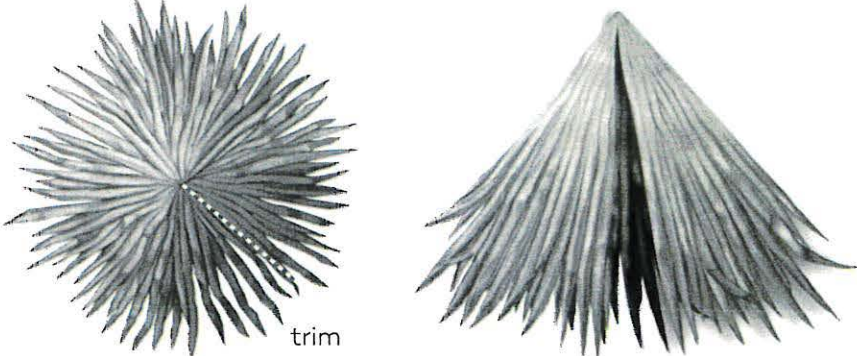
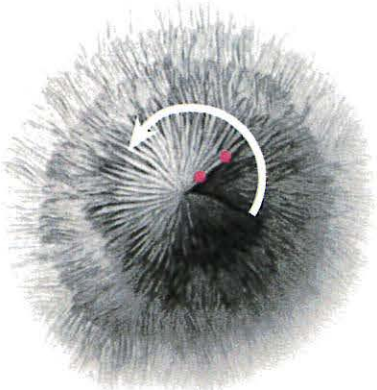
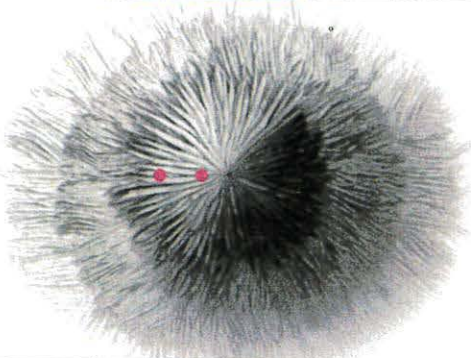
Materials Needed

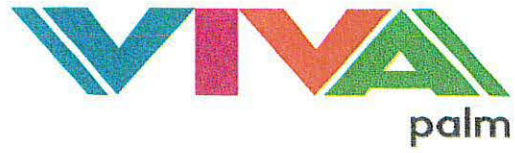


Field

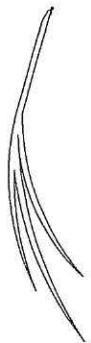


Cone Piece

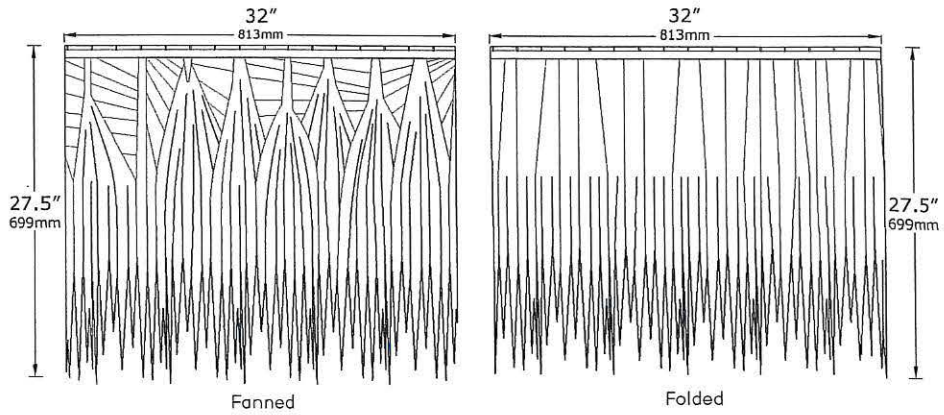
<p>Cut the cone piece starting at the edge of the shingle until you've reached the center point. Proceed to fold the piece over into a cone shape.</p>	
<p>Place the cone piece at the center of the structure, nailing down the first cut edge. Cover the nails by using the second cut edge to wrap around the first cut edge.</p>	
<p>Secure the second cut edge with two nails and cover them with sealant.</p>	



Side View



Front View





Front View

