

A566
07320/VAN
BuyLine 6480

ARCHITECTURAL ROOF TILE



VANDE HEY  **RALEIGH**

PROVEN
COLD CLIMATE
EXPERIENCE



VANDE HEY RALEIGH

1665 Bohm Dr. • Little Chute, WI 54140-2529

1-800-236-8453 • www.vhr-roof-tile.com

INTRODUCTION

It is refreshing to see that most customers still appreciate quality as well as a fair price.

Vande Hey-Raleigh Architectural Roof Tile is something special. It's beautiful, distinctive, rugged, practical... a building with our concrete tile roof says something about the character of its owners. Our roof tile combines beauty, versatility and durability in a way no other roofing material can equal. It is the perfect complement to any architectural design, residential or commercial. In addition to our nine styles and 80 standard colors, we offer custom colors and surfaces to match any tile for both new construction and those hard-to-match restoration projects. Finally, we are so confident in our tile, that we willingly provide a 50-year, non-prorated warranty.

We began as a qualified roofing contractor who with our installation experience, engineered and manufactured a roofing system to fit all types of installations (new or reroof, simple or complex, paying close attention to detail). This is apparent in our installation and specification manual, which is updated annually with time-tested improvements.

Using our experience in both cold and warm climate installations, we offer architects, contractors, and homeowners on-site technical assistance, as well as a complete explanation of proper installation procedures for each individual job. We assist architects and designers through working drawings and office consultations on everything from proper venting to a specification which virtually eliminates tile maintenance.

Our estimating department will provide a complete take off for all materials necessary to ensure a quality installation any place in the world. We provide materials and installation procedures or design a system for extreme conditions such as ice dams, glacier slides or high winds.

All of us at Vande Hey-Raleigh Architectural Roof Tile, Inc. attribute the success of our company to old-fashioned pride, quality and dedicated employee participation. We have an extensive network of independent roof tile installers, distributors and sales representatives in the United States and Canada to serve you.

You too could become a proud owner of the best roof under the sun, snow, wind, and rain.

Donald L. Vande Hey

We are the leader in the custom roof tile industry.

Our tile is unique, beautiful and custom made for each individual application.

Our company customizes colors and designs to fit your needs.

To us roof tile is an ART — one that complements any architectural design and can add aesthetics and appeal to not only a home or commercial building but an entire development...

COLD CLIMATE

Vande Hey-Raleigh's smaller tile (135 pieces per square) and "V" cut weather track allows the roof to expand and contract on an individual tile basis. Besides the technical advantage of smaller tile, our tile also provides natural beauty not usually obtainable with large tile competitors.

Protection is where Vande Hey-Raleigh tile really stands out among other roofing materials. Since it is manufactured for the extreme cold and warm climate of Wisconsin, it is resistant to virtually all weather conditions. Our tile roof system withstands wind driven rain, absorbs very little moisture and defies termites, rodents and rot. "Freeze/thaw cycles" that cause other roofing materials to deteriorate will not affect it. And our concrete roof tile will not burn. All tile are tested in accordance with and exceed minimums for strength, water absorption, freeze-thaw, dimensions and installed weight. High wind and heavy snow specifications are available.

WARRANTY

Vande Hey-Raleigh offers a 50 year non-prorated warranty and fire proof peace of mind along with the beauty of architectural tile.

**VANDE HEY-RALEIGH
ARCHITECTURAL ROOF TILE**

1-800-236-8453

1665 Bohm Dr. • Little Chute, WI 54140

07320/VAN
BuyLine 6480

THE BEST ROOF UNDER THE SUN... THE SNOW... THE WIND... THE RAIN



Multi Color Custom Sequence...
pages 4, 5

Standards Color/ Price Groups...
pages 6, 7, 8, 9

Standard Style Selections...
page 10

Technical Data...
pages 10, 11

Architectural Specifications...
page 12

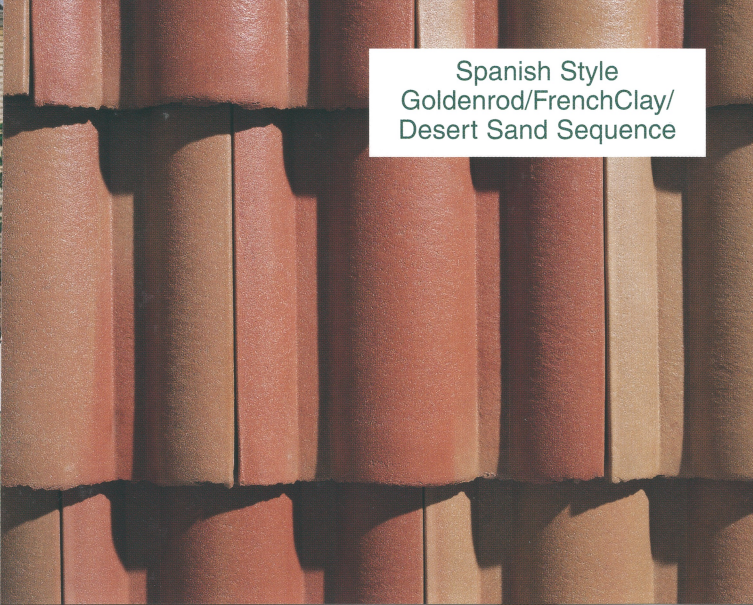
VANDE HEY **RALEIGH** **MULTI COLOR...**



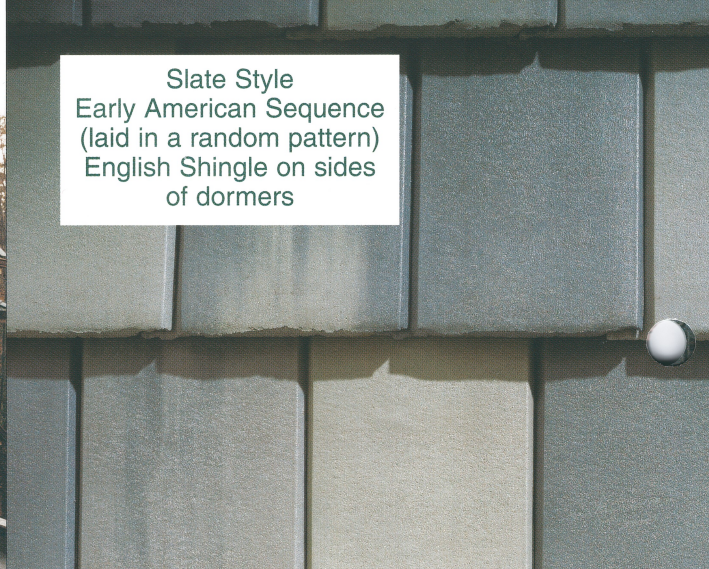
Cotswold Stone Style
Steel Tan Sequence Sprayed
Dark Brown #2
(laid in a random pattern)
English Shingle on sides of dormers



Spanish Style
Goldenrod/FrenchClay/
Desert Sand Sequence

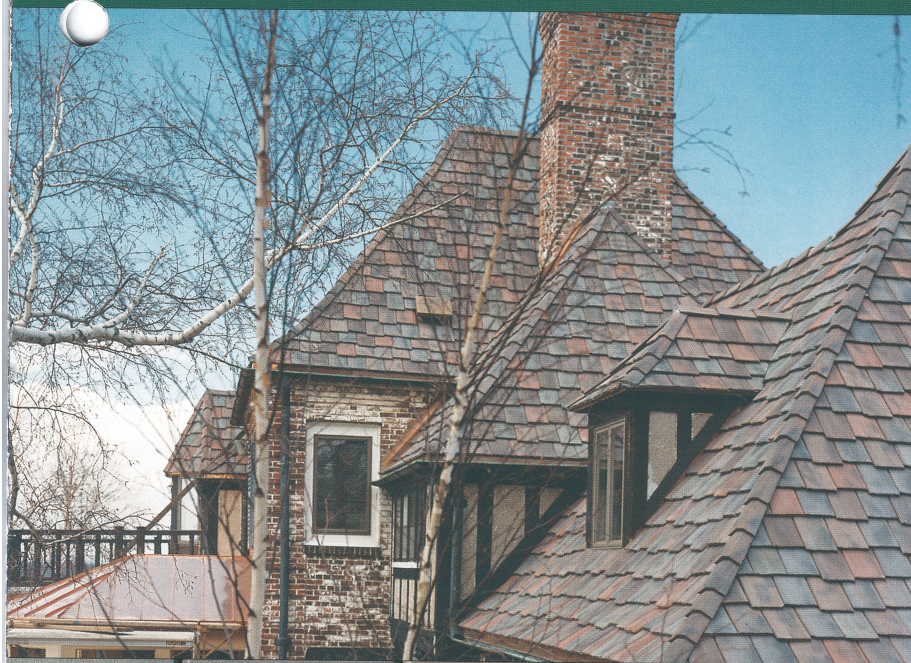


Slate Style
Early American Sequence
(laid in a random pattern)
English Shingle on sides
of dormers

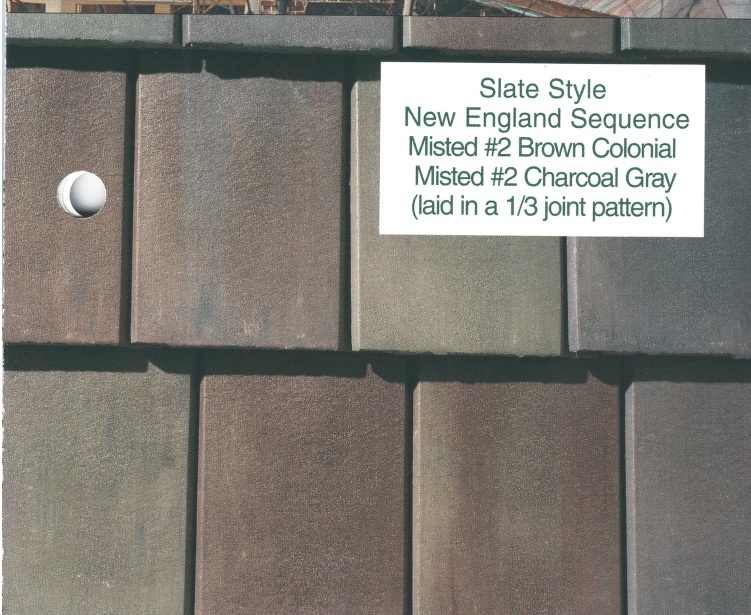


CUSTOM SEQUENCE TILE

07320/VAN
BuyLine 6480



Brushed Style
Brown Green Sequence
Antique Sprayed Black # 3
(laid in a staggered pattern)



Slate Style
New England Sequence
Misted #2 Brown Colonial
Misted #2 Charcoal Gray
(laid in a 1/3 joint pattern)



Brushed Shake Style
Oakwood Sequence
Antique Sprayed Black # 1
(laid in a random pattern)

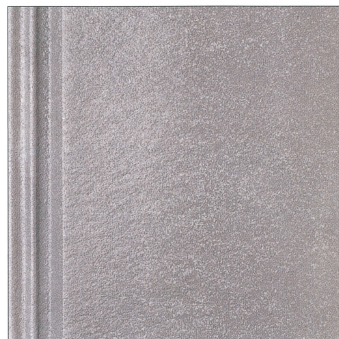


STANDARD COLORS

Price Group A



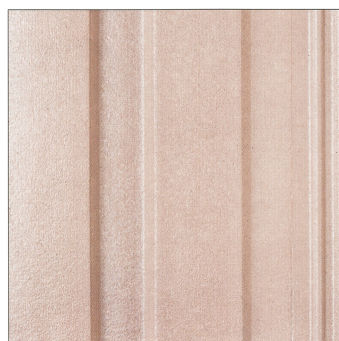
Dark Putty



Light Charcoal Gray



Light Goldenrod



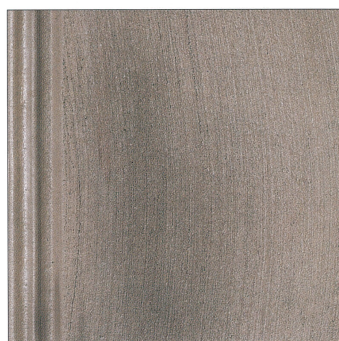
Pale Red



Putty



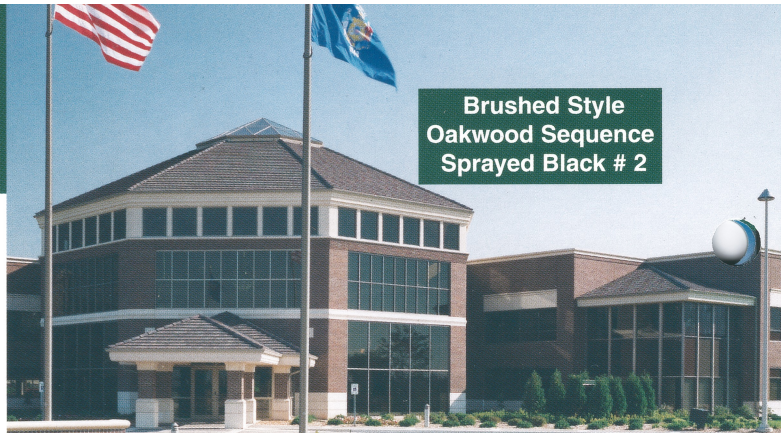
Silver Gray



Carmel Stone (SP)



Pebble Gray (SP)



Brushed Style
Oakwood Sequence
Sprayed Black # 2



Spanish Style
Forest Green

Shake Style
Goldenrod Weathered
Terra Cotta #1

Price Group B



Adobe Red



Anderson Gray (SP)



Spanish Style
Charcoal Gray Sprayed Charcoal Gray #2
with custom made pans and covers



Slate Style
Early American



Spanish Style
French Clay

Slate Style
Moss Rock Sprayed
Light Charcoal Gray #2
with Turret Shingles

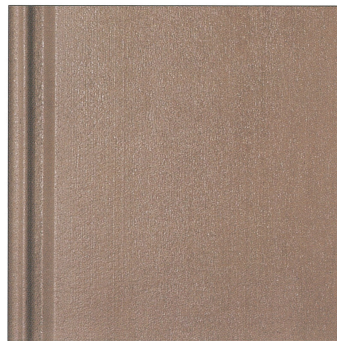
Price Group B



Desert Sand (SP)



Goldenrod



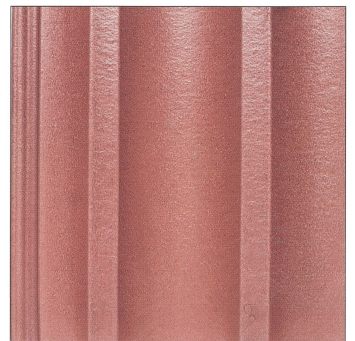
Earth Brown



Light Red



Driftwood

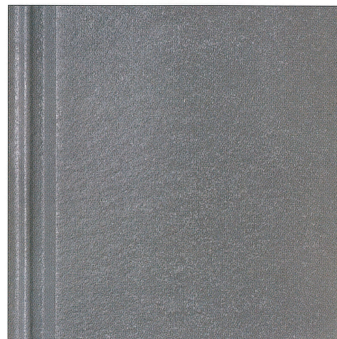


Dark Red

Price Group B



Burnt Orange

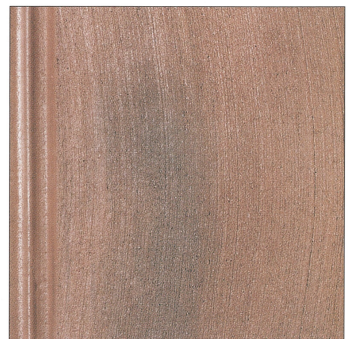


Charcoal Gray

Price Group C



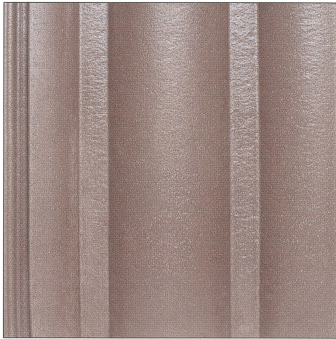
Autumn Rust



Brick Brown (SP)

STANDARD COLORS

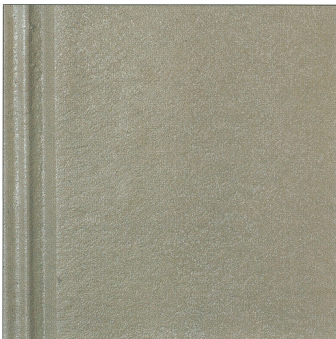
Price Group C



Saddle Brown



Terra Cotta



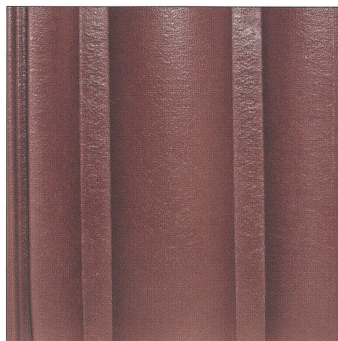
Light Green



Plum



Raleigh Red



Dark Terra Cotta



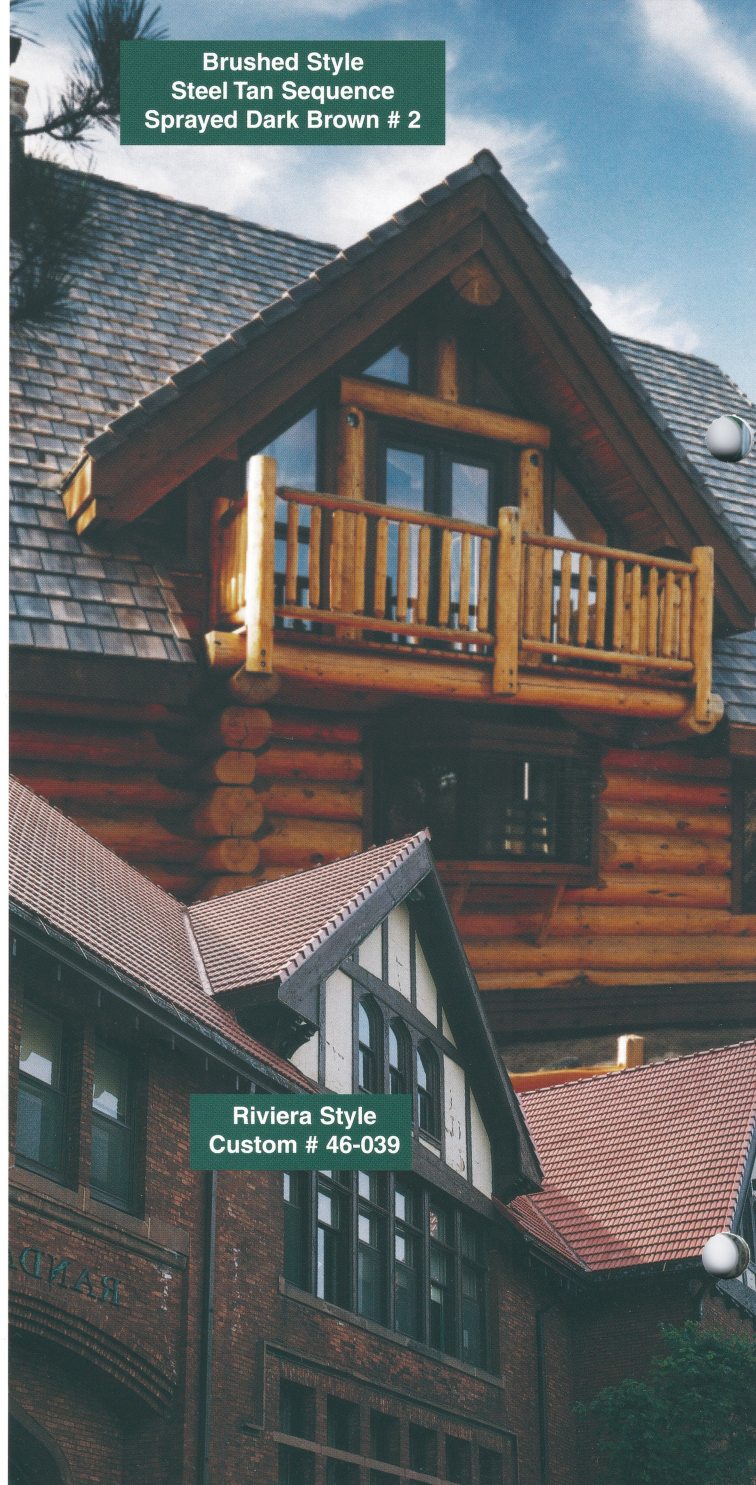
Cocoa Brown (SP)



French Orange



Slate Style
90% Dark Brown Weathered Black # 2
10% Terra Cotta Weathered Black # 2



Brushed Style
Steel Tan Sequence
Sprayed Dark Brown # 2

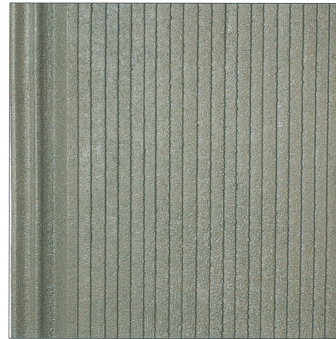
Riviera Style
Custom # 46-039

Vande Hey-Raleigh
Architectural Roof Tile

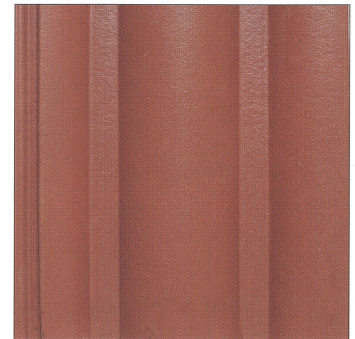
07320/VAN
BuyLine 6480

Brushed Style Staggered
95% Brown Charcoal Sequence Sprayed Black #2
5% Terra Cotta Sprayed Black #2

Price Group D

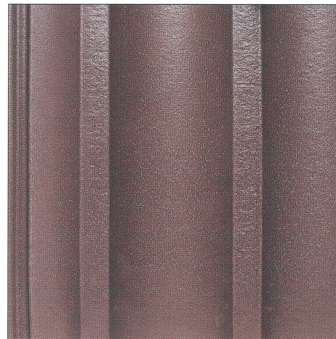


Moss Rock

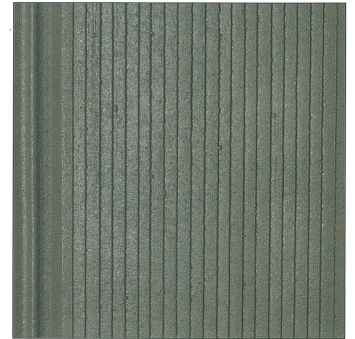


French Clay

Price Group H

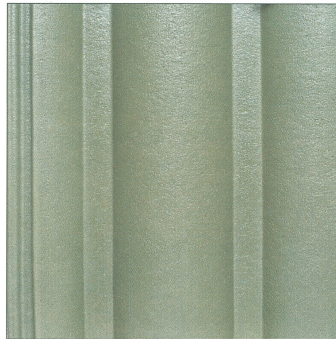


Dark Brown



Sea Green

Price Group I

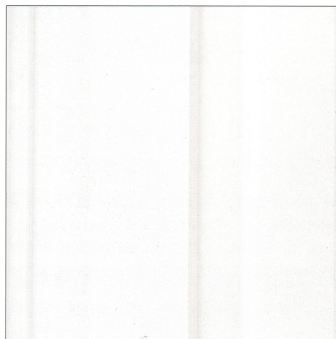


Forest Green

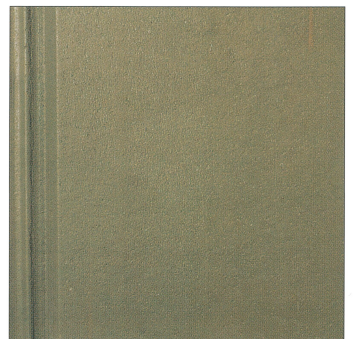


Sizzler Beige

Price Group K



White



Brookville Green

Slate Style
White

Slate Style
Early American

*Additional colors from each price group
are available. See your local representative
for our complete range of colors.*

Call 1-800-236-8453
for the representative in your area.

...

*Natural efflorescence may occur in all
concrete products. Surface sealer/glazing
reduces the effect of efflorescence.*

SPANISH MISSION
(high barrel tile)



This distinctive style was specially created to recall the majestic villas of Europe and provide the charm of old Mexico.

PANS and COVERS
(custom made)



Spanish pans and covers are also available in additional tapered sizes to be installed on turrets and curved roofs.

RIVIERA
(low profile tile)



A semi-flat tile with beveled ribs exposed to the surface. Particularly effective where bold shadow patterns are desired.

MODERN SLATE
(flat tile)



A true historical replacement for natural slate roofs. Modern slate features a smooth-surface tile, particularly attractive in natural gray and slate colors.

SHAKE
(flat tile)



A beautiful tile which simulates wood shakes. The top surface and exposed ends are raked in an uneven pattern creating an extreme shadow design.

CUSTOM BRUSHED
(flat tile)



The hand brushed tile is a replica of the last century. It is often laid in the staggered pattern perfected by Vande Hey-Raleigh.

COTSWOLD
(flat tile)



A unique tile with antiqued surface, emulates the centuries old and most striking stone roofs which adorn the limestone barns, cottages, manors and churches of Cotswold England.

TURRET SHINGLES
(noninterlocking shingle)



Tapered turret shingles are custom designed to add beauty and grace to your unique curved or turret roof design. Spanish turret also available.

ENGLISH SHINGLE
(noninterlocking shingle)



This nontapered shingle can be custom sized to match existing shingles on reroofs and additions. It can be used on small roof areas over bowed windows or as siding on dormers. All shingles can be ordered with a smooth surface texture or with a custom surface texture as shown here.

TECHNICAL DATA

STYLE	DIMENSIONS	TILE PER SQUARE *	EXPOSURE PER TILE	APPROX LBS PER SQ ♦	APPROX KGS PER SQ MTR ♦	APPROX SQS PER PALLET
Riviera	15-3/8" x 10-1/4"	138	12" x 8 - 11/16"	950	46.4	2.7
Flat	15-3/8" x 10-1/4"	135	12" x 8 - 7/8"	1,100*	53.7*	2.2
Shingle, English	15" x 7-1/2"	315	6" x 7-1/2"	2,006	97.9	1.0
Shingle, Turret	varies	varies	varies	1,800	87.9	.9
Pan and Covers	16-3/4" x 10-3/4"	75	13-3/4" x 14"	1,490	73.0	.9
Spanish, Barrel	17-1/4" x 13"	86	14" x 12"	1,025	50.1	2.7

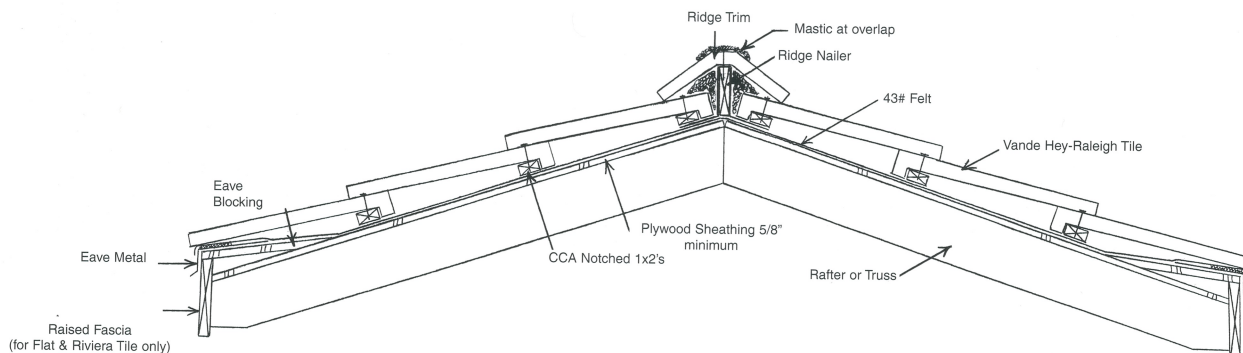
* For tile in a staggered pattern, increase weight and tile per sq. by 20% (1,320 lbs/sq). ♦ For Heavy Duty Tile add 100 lbs. per sq. /4.9 kgs per sq. meter.

All tile are tested in accordance with and exceed minimums for strength, water absorption, freeze-thaw, dimensions and installed weight

☆ Metropolitan Dade County, Florida, Building and Zoning Department, Number 970506.03 ☆ ICBO Number 4907 ☆ ASTM ☆ SBCCI
☆ Canadian Ministry of Housing ☆ City of Los Angeles ☆ UBC

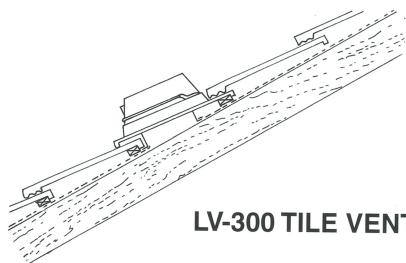
Minimum Slope: 3:12 in the sun belt, 4:12 in severe weather areas. On roofs below minimum slope, tile is for cosmetic purposes only.

Heating and cooling costs are affected by a Vande Hey-Raleigh roof. Unlike many other roofing products, our tile is not fastened directly to the roof deck. The air space between the roof sheathing and the tile prevents direct heat transmission, keeping buildings cooler in summer and reducing ice damming in winter.

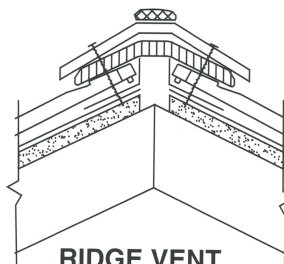


ROOF VENTILATION PRODUCTS

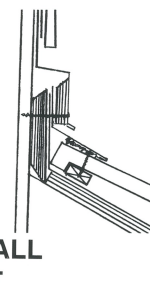
Vande Hey-Raleigh LV-300 tile vents (same dimensions, color and style to match the field tile) evenly positioned near the ridge provide the required ventilation. Air is drawn in through the soffit vents and is exhausted through the tile vents. (Color brochure and installation manual available upon request.) Ridge venting, hip venting, headwall venting or power vents can be installed as an option to standard tile vents.



LV-300 TILE VENT



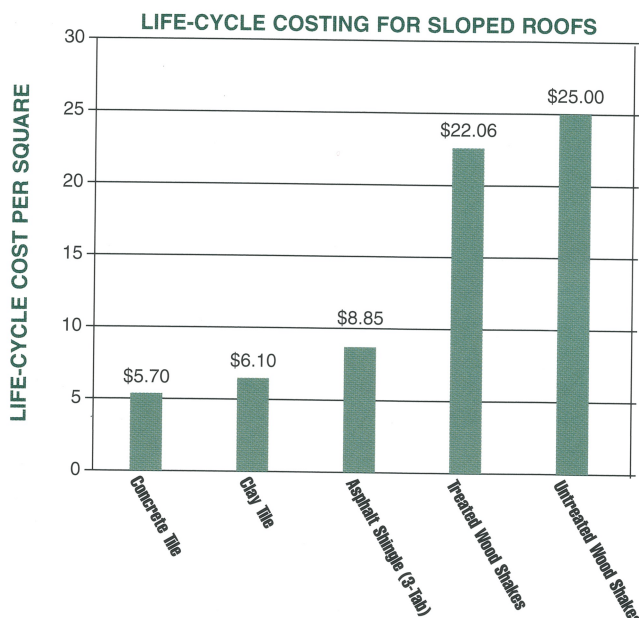
RIDGE VENT



HEADWALL
VENT

Vande Hey-Raleigh is a full service company providing technical support from the estimate through the installation. Our estimating department will make a complete take off of all materials necessary to ensure a quality installation any place in the world. We provide installation specifications for extreme conditions such as heavy snow or high wind areas. Technical assistance can be provided on any job to provide the best roof under the sun, snow, wind and rain. In addition, we provide sales and installation videos and seminars to inform all roofers, contractors, sales people, etc., of all the newest and most up to date installation techniques. **WE PROVIDE THE COMPLETE SYSTEM AND KNOW THE STRENGTH OF ANY TYPE OF ROOF INSTALLATION LIES IN THE QUALITY OF THE LABOR, MATERIALS AND FLASHING SYSTEM.**

ABOUT LIFE-CYCLE COSTS



Life-cycle costing can be an effective tool in evaluating product value. The life-cycle cost of a product is a measure of the comparison between the product's purchase price plus installation and anticipated maintenance costs during its expected life span. Even the cost to the environment can affect its bottom line. Life-cycle costs are typically estimated on a cost-per-year basis.

Based on economics **VANDE HEY-RALEIGH**: the most intelligent decision you can make.

LIFE-CYCLE COSTS

Information provided by Bonnie Pierce of "Florida Forum". Based on costs of re-roofing a shake roof single-family residence with 32 sqs. Figures include tear-off existing roof, bracing up roof construction where needed and installation of solid sheathing where required.

Vande Hey-Raleigh offers a 50 year non-prorated warranty and fire proof peace of mind along with the beauty of architectural tile.



ARCHITECTURAL SPECIFICATIONS

1. Field tile shall be Vande Hey-Raleigh _____ (Riviera; Shake; Slate; Custom Brushed; Cotswold Stone, Spanish) style concrete roof tiles as manufactured by **Vande Hey-Raleigh Mfg., Inc.** Color shall be _____ (insert color or price group A - K. See price list). Trim tile to match color and style of field tile.
2. Field tile shall have a maximum exposure of 12" x 8 $\frac{3}{4}$ " with 3" headlap for Flat and Riviera tile and a maximum exposure of 14" X 12" with 3 $\frac{1}{4}$ " headlap for Spanish tile.
3. Tile shall be laid in a _____ (random; third joint; staggered for Flat tile) (straight for Riviera tile) (straight; half joint for Spanish tile) pattern.
4. Shingles shall be _____ (turret; English) style, _____ color, with _____ (smooth; brushed; shake; Cotswold; custom) surface.
5. Contractor to submit sample to architect for style and color verification prior to shipment.
6. Installation shall be in accordance with _____ (city; state; etc.) building codes which require a Class _____ (A; B; C; N/A) fire rated system and according to manufacturer's specifications.
7. Valleys shall be laid _____ (closed; open and grouted).
8. Tile along ridge and hips shall be sealed with _____ (weather block flashing; mastic; colored grout).
9. Exposed side/edges of tile at gables shall be covered with _____ (rake trim; gable flashing; colored grout).
10. Fasteners shall be _____ (copper; hot dipped galvanized; stainless).
11. Underlayment: _____ (best quality one layer 43# felt; 2 layers 30# felt; Tri-Flex 30; Duck's Back Rubberized underlayment; Daltex Roofshield; EPDM; Modified Bitumen or Ice and Water Shield).
12. Battens shall be _____ (notched 8/16" O.C. pressure treated 1x2's; pressure treated 1x3's/1x4's with counter batten system) _____ (under/over) underlayment.
13. Flashings shall be _____ (16 oz. copper; 20 oz. Copper; terne coated stainless steel; 24 Ga. G90 Kynar prefinished _____ colored steel; .027 _____ colored aluminum; lead coated copper or 3# lead if environmentally acceptable).
14. Venting shall be _____ (ridge/hip/headwall; tile gravity/power vents).
15. Special installation procedures apply for slopes below 3/12 in the sun belt and 4/12 in severe weather areas. _____ Yes/No. Snow guards required. _____ Yes/No.
16. Specifications required for _____ mph winds. Specifications required for roof heights over 40 feet _____ Yes/No.
17. Quality Assurance:
 - A. Work must be performed by a firm with not less than 5 years of successful experience and shall have installed a minimum of five (5) projects of at least 1/2 the size of this project within the last five years.
 - B. **Complete quality materials package is available from Vande Hey-Raleigh Mfg., Inc.**
 - C. **Vande Hey-Raleigh** will arrange an instructor/technician for instruction or inspection to ensure proper installation. **COMPENSATION WILL BE REQUIRED.**
18. Warranty:
 - A. Provide a 50-year written warranty from the manufacturer.
 - B. Material and workmanship shall also be guaranteed by the installation contractor for 3 years (residential) or 5 years (commercial) from the date of substantial completion.

WE PROMISE PROMPT PROFESSIONAL SERVICE

Vande Hey-Raleigh Architectural Roof Tile

1665 Bohm Drive
Little Chute, WI 54140-2529
Member:
Roof Tile Institute

PHONE: 920-766-0156 • 1-800-236-8453
FAX: 920-766-0776
WEBSITE: www.vhr-roof-tile.com
E-MAIL: manager@vhr-roof-tile.com