



HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Robert K. Sutton
Chairman

Date: May 7, 2024

MEMORANDUM

TO: Rabbiah Sabbakhan, DPS Director Department of Permitting
Services
FROM: Chris Berger
Historic Preservation Section
Maryland-National Capital Park & Planning Commission Historic
SUBJECT: Area Work Permit #1062809 - Retroactive roof replacement

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was approved by the HPC Staff.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: John Salmen
Address: 16 Montgomery Ave., Takoma Park

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Chris Berger at 301-495-4571 or chris.berger@montgomeryplanning.org to schedule a follow-up site visit.





HISTORIC PRESERVATION COMMISSION

HAWP #: _____ at: _____

submitted on: _____

has been reviewed and determined that the proposal fits into the following category/categories:

Repair or replacement of a masonry foundation with new masonry materials that closely match the original in appearance;

Installation of vents or venting pipes in locations not visible from the public right-of-way;

New gutters and downspouts;

Removal of vinyl, aluminum, asbestos, or other artificial siding when the original siding is to be repaired and/or replaced in kind;

Removal of accessory buildings that are not original to the site or non-historic construction;

Repair or replacement of missing or deteriorated architectural details such as trim or other millwork, stairs or stoops, porch decking or ceilings, columns, railings, balusters, brackets shutters, etc., with new materials that match the old in design, texture, visual characteristics, and, where possible materials, so long as the applicant is able to provide one extant example, photographic evidence, or physical evidence that serves as the basis for the work proposed;

Construction of wooden decks that are at the rear of a structure and are not visible from a public right-of-way;

Roof replacement with -compatible roofing materials, or with architectural shingles replacing 3-Tab asphalt shingles;

Installation of storm windows or doors that are compatible with the historic resource or district;

Repair, replacement or installation of foundation-level doors, windows, window wells, and areaways, or foundation vents, venting pipes, or exterior grills that do not alter the character-defining features and/or the historic character of the resource;

Construction of fences that are compatible with the historic site or district in material, height, location, and design;

Fence is lower than 48" in front of rear wall plane;

Construction of walkways, parking pads, patios, driveways, or other paved areas that are not visible from a public right-of-way and measure no more than 150 square feet in size;

Replacement of existing walkways, parking pads, patios, driveways, or other paved areas with materials that are compatible with the visual character of the historic site and district and that are no greater than the dimensions of the existing hardscape;

Construction of small accessory buildings no larger than 250 square feet in size that are not visible from the public right-of-way;

Installations of skylights on the rear of a structure that will not be visible from the public right-of-way, and would not remove or alter character-defining roof materials;

Installation of solar panels and arrays in locations that are not readily visible from the public right-of-way or that are designed so as to have a minimal impact on the historic resource or the historic district (e.g., systems that are ground-mounted in areas other than the front or side yard of a corner lot, located on accessory or outbuildings, on non-historic additions, or on rear facing roof planes);

Installation of car charging stations in any location on a property or in the right-of-way;

Installation of satellite dishes;

Removal of trees greater than 6" in diameter (d.b.h.) that are dead, dying, or present an immediate hazard.

Removal of trees greater than 6" in diameter (d.b.h.) in the rear of the property that will not impact the overall tree canopy of the surrounding district or historic site;

Replacement tree required as a condition; and,

Other minor alterations that may be required by the Department of Permitting Services post-Commission approval that would have no material effect on the historic character of the property.

Staff finds the proposal complies with Chapter 24A, the Secretary of the Interior's Standards for Rehabilitation, and any additional requisite guidance. Under the authority of COMCOR No. 24A.04.01, this HAWP is approved by Christopher J. Berger on _____. The approval memo and stamped drawings follow.

REVIEWED

By Chris Berger at 1:45 pm, May 07, 2024

APPROVED

Montgomery County

Historic Preservation Commission



HAWP APPLICATION: MAILING

[Owner, Owner's Agent, Adjacent a

Owner's mailing address

Owner's Agent's mailing address

Adjacent and confronting Property Owners mailing addresses

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

Description of Work Proposed: Please give an overview of the work to be undertaken:

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By Chris Berger at 1:45 pm, May 07, 2024


APPROVED


Montgomery County


Historic Preservation Commission



Handwritten signature of Randall H. Motter, a member of the Montgomery County Historic Preservation Commission.

Work Item 1: _____	
Description of Current Condition:	Proposed Work:
Work Item 2: _____	
Description of Current Condition:	Proposed Work:
<div style="text-align: center;">REVIEWED <i>By Chris Berger at 1:45 pm, May 07, 2024</i></div>	
Work Item 3: _____	
Description of Current Condition:	
<div style="text-align: center;">APPROVED Montgomery County Historic Preservation Commission </div>	

Work Item 1: _____	
Description of Current Condition:	Proposed Work:
Work Item 2: _____	
Description of Current Condition:	Proposed Work:
<div style="text-align: center;">REVIEWED <i>By Chris Berger at 1:45 pm, May 07, 2024</i></div>	
Work Item 3: _____	
Description of Current Condition:	
<div style="text-align: center;">APPROVED Montgomery County Historic Preservation Commission </div>	

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Description of Current Condition:	Proposed Work:
Work Item 2: _____	
Description of Current Condition:	Proposed Work:
<div style="text-align: center;">REVIEWED <i>By Chris Berger at 1:45 pm, May 07, 2024</i></div>	
Work Item 3: _____	
Description of Current Condition:	
<div style="text-align: center;">APPROVED Montgomery County Historic Preservation Commission </div>	

Work Item 2: _____	
Description of Current Condition:	Proposed Work:
<div>REVIEWED By Chris Berger at 1:45 pm, May 07, 2024</div>	

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By Chris Berger at 1:45 pm, May 07, 2024

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Work Item 3: _____	Montgomery County Historic Preservation Commission	
Description of Current Condition:		

Work Item 3: _____	Montgomery County Historic Preservation Commission	
Description of Current Condition:		

HISTORIC AREA WORK PERMIT CHECKLIST OF APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	1. Written Description	2. Site Plan	3. Plans/Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/Parking Area	*	*		*	*	*	*
Grading/Excavation/Landscaping	*	*		*	*	*	*
Removal	*	*		*	*	*	*
Other			*	*	*		*
		*	*	*	*		*
		*	*	*	*		*
		*	*	*	*		*

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By Chris Berger at 1:45 pm, May 07, 2024

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After
Roof and Paint 2/12/2024



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Before
Roof and Paint 2003

- A. 1:20 (5%) slope entry walk/drive
- B. Raised flower beds along drive for easy maintenance.
- C. Covered main entry with ample maneuvering space and bench
- D. Grass Pave – ecological driveway
- E. Accessible path between garage & house via sloped bridge

By Chris Berger at 1:45 pm, May 07, 2024

Montgomery County
Historic Preservation Commission

Randy Butler

Landmark® Series

12

YOUR OBJECTIVE:

To learn the correct procedure for installing Landmark® shingles.

LANDMARK SERIES

Landmark shingles have the installer-friendly NailTrak® feature, which provides **1½" wide nailing area** and specially formulated Quadra-Bond laminating adhesive (See Figure 12-3).

Landmark IR is impact resistant and is specially manufactured with a polyester mat to meet UL 2218 Class 4 impact resistance rating.

NOTE: Landmark IR must be installed over a clean deck (no roof-overs) to obtain the UL 2218 rating. It is strongly recommended that impact resistant cap shingles made from XT 30 IR shingles be installed on all hips and ridges. Some insurance carriers may not consider the roof system as compliant to UL 2218 Class 4 without impact resistant cap shingles.

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Historic Preservation Commission

[Signature]

NOTE: Use matching are also solar reflective.

d recommends underlayment, Roofers' shingle underlayment care to ensure k, RoofRunner or ow manufacturer's

low slope deck (2" inTeed WinterGuard®

Waterproofing Shingle Underlayment, or its equivalent,* applied over the entire deck surface. Consult the WinterGuard and individual shingle application instructions for details.

- * For low slopes, underlayment equivalents to WinterGuard include:
 - 1) waterproofing shingle underlayments meeting ASTM D1970;
 - 2) in areas not prone to snow or ice, two layers of 36" (915 mm) wide felt shingle underlayment lapped 19" (485 mm).
 - 3) in areas not prone to snow or ice, two layers of CertainTeed's DiamondDeck or RoofRunner in shingle fashion (half lap) per the low-slope application instructions.

Shingle underlayment should meet ASTM D6757, ASTM D4869 Type I or ASTM D226 Type I Ensure sufficient deck ventilation

when DiamondDeck, RoofRunner or other synthetic underlayment is installed.

(One layer of shingle underlayment meeting ASTM D4869 applied over the required WinterGuard is also recommended.

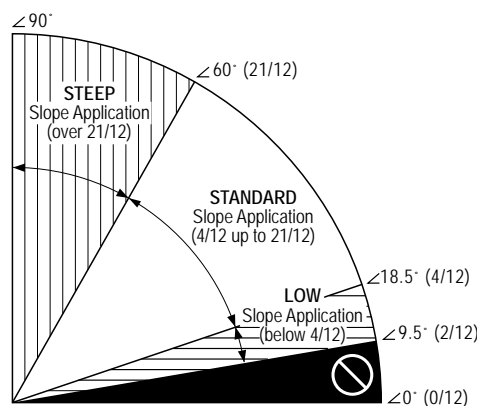


Figure 12-1: Slope definitions.

THE ROOF DECK* MUST BE AT LEAST: ¾" (9.5 mm) thick plywood, or 7/16" (11 mm) thick non-veneer, or nominal 1" (25 mm) thick wood deck.

COLD WEATHER CLIMATES (ALL SLOPES): Application of WinterGuard or a waterproofing shingle underlayment meeting ASTM D1970 is strongly recommended whenever there is a possibility of ice build-up. Follow manufacturer's application instructions.

FLASHING: Corrosion-resistant flashing must be used to help prevent leaks where a roof meets a wall, another roof, a chimney or other objects that penetrate a roof.

SEALING: Shingle sealing may be delayed if shingles are applied in cool weather and may be further delayed by airborne dust accumulation. If any shingles have not sealed after a reasonable time period, hand sealing may be necessary.

CAUTION: To prevent cracking, shingles must be sufficiently warm to allow proper forming for hips, ridges and valleys.

WARRANTY: These shingles are warranted against manufacturing defects and are covered by SureStart™ protection. See the warranty itself for specific details and limitations.

For technical questions, information on acceptable alternative application methods and materials, or a copy of the product warranty, contact the sources listed below:	Warranty	Alternate Instructions	Technical Questions
Your supplier or roofing applicator	✓		
CertainTeed Home Institute 800-782-8777	✓	✓	
CertainTeed-RPG Technical Services 800-345-1145	✓	✓	✓

FASTENING

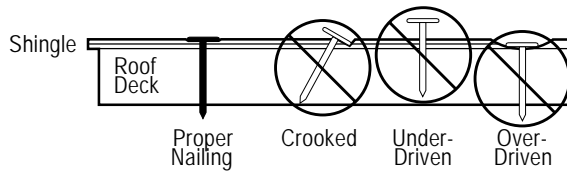
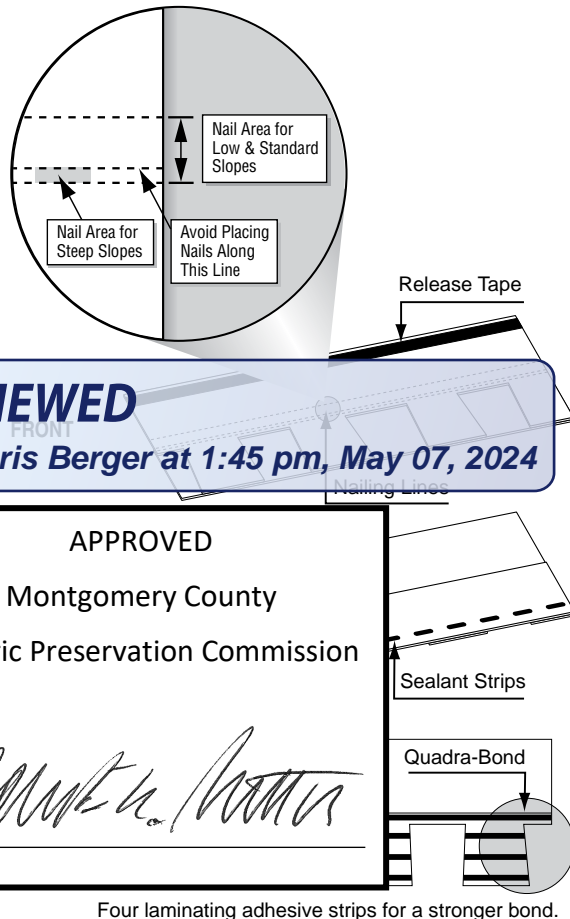


Figure 12-2: Proper and improper nailing.

IMPORTANT: For decks $\frac{3}{4}$ " (19 mm) thick or thicker, nails must go at least $\frac{3}{4}$ " (19 mm) into the deck. On thinner decks, nails must go at least $\frac{1}{8}$ " (3.2 mm) through the deck.

Nails must be 11- or 12-gauge roofing nails, corrosion-resistant, with at least $\frac{3}{8}$ " (9.5 mm) heads, and at least 1" (25 mm) long.



Four laminating adhesive strips for a stronger bond.

Figure 12-3: NailTrak® features a wider nail area and extra-strong Quadra-Bond construction.

LOW AND STANDARD SLOPE

Use four nails for every full shingle as shown below.

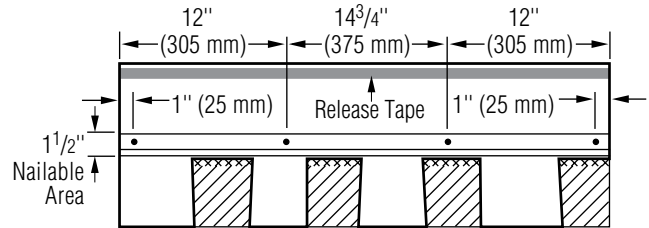


Figure 12-4: Use four nails for every full shingle.

★ **IMPORTANT:** When "six nailing" a full shingle, follow the nail pattern shown in figure 12-5, nails can be placed in the $1\frac{1}{2}$ " nailable area.

STEEP SLOPE

Use six nails and four spots of asphalt roofing cement for every full shingle for every full shingle as shown below. Asphalt roofing cement should meet ASTM D 4586 Type II. Apply 1" spots of asphalt roofing cement under each corner and at about 12" to 13" in from each edge.

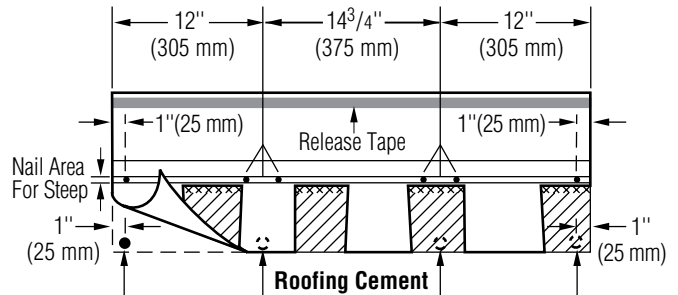


Figure 12-5: Use six nails and four spots of asphalt roofing cement on steep slopes.

CAUTION: Excessive use of roofing cement can cause shingles to blister.

TWO CLEAN-DECK APPLICATION METHODS

FIVE-COURSE DIAGONAL METHOD (6" AND 11") FIVE-COURSE DIAGONAL METHOD (5 $\frac{5}{8}$ " AND 11 $\frac{1}{4}$ ")

NOTE: The 6" and 11" method is shown below. The 5 $\frac{5}{8}$ " and 11 $\frac{1}{4}$ " method follows the same application instructions as the 6" and 11" method except the dimensions of the shingle cut-offs in the second and third courses are 5 $\frac{5}{8}$ " and 11 $\frac{1}{4}$ " respectively.

CAUTION: Use of other installation methods may result in an objectionable pattern.

PREPARING THE DECK:

- ◆ Apply underlayment as required. CertainTeed suggests that a layer of shingle underlayment be applied. For UL fire rating, underlayment is generally required. Apply flat and unwrinkled.
- ◆ Snap chalklines to assure shingles will be correctly aligned. Expose all shingles 5 $\frac{5}{8}$ " (143 mm).

STARTER COURSE:

1. Use CertainTeed Swiftstart® Starter, or three-tab self-sealing shingles with the lower tab portions removed. Be sure that the starter shingles are at least $7\frac{5}{8}$ " in height. (Figure 12-6).

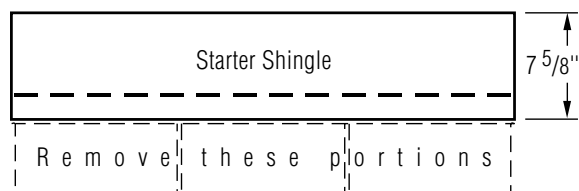


Figure 12-6: Make starter shingles that are $7\frac{5}{8}$ " in height.

2. For the first starter, cut 6" from one side of the starter shingle.
3. Apply the remaining piece to the lower left corner of the roof. Make sure there is $\frac{1}{2}$ " overhanging the rakes and eaves if drip edge is being used. If you are not using drip edge, make the overhang $\frac{3}{4}$ ".
4. Use full length starter shingles for the rest of the course.

1ST COURSE: Apply a full shingle at the lower left corner of the roof. Make the lower edge and left edge lie flush with the edges of the starter course (Figure 12-7).

2ND THROUGH 5TH COURSES:

CAUTION! Failure to follow instruction steps 1-5 below will bring joints too close together and may cause unattractive patterns!

1. Cut 6" off the left end of the first shingle and save this piece for later use. Apply the $32\frac{3}{4}$ " long piece over and above the first-course shingle. Leave the bottom $5\frac{5}{8}$ " tab portion of the first-course shingle exposed.
2. Cut 11" off the first shingle of the third course and save this for later. Install the $27\frac{3}{4}$ " long piece over and above the second-course shingle.
3. Apply the previously removed 11" long piece over and above the third-course shingle.
4. Apply the previously removed 6" long piece from the second course over and above the fourth-course shingle.
5. Install a full shingle against the right edge of each shingle in courses one through five.

CONTINUING UP THE ROOF:

1. Beginning again with a full shingle, repeat the five-course pattern up the left rake. (Figure 12-8, B).
2. Fill-in courses across the roof in a stepped diagonal fashion using full shingles. (Figure 12-8, A). Do **not** run courses straight across.

IMPORTANT: Do not align joints of shingles closer than $3\frac{1}{2}$ "

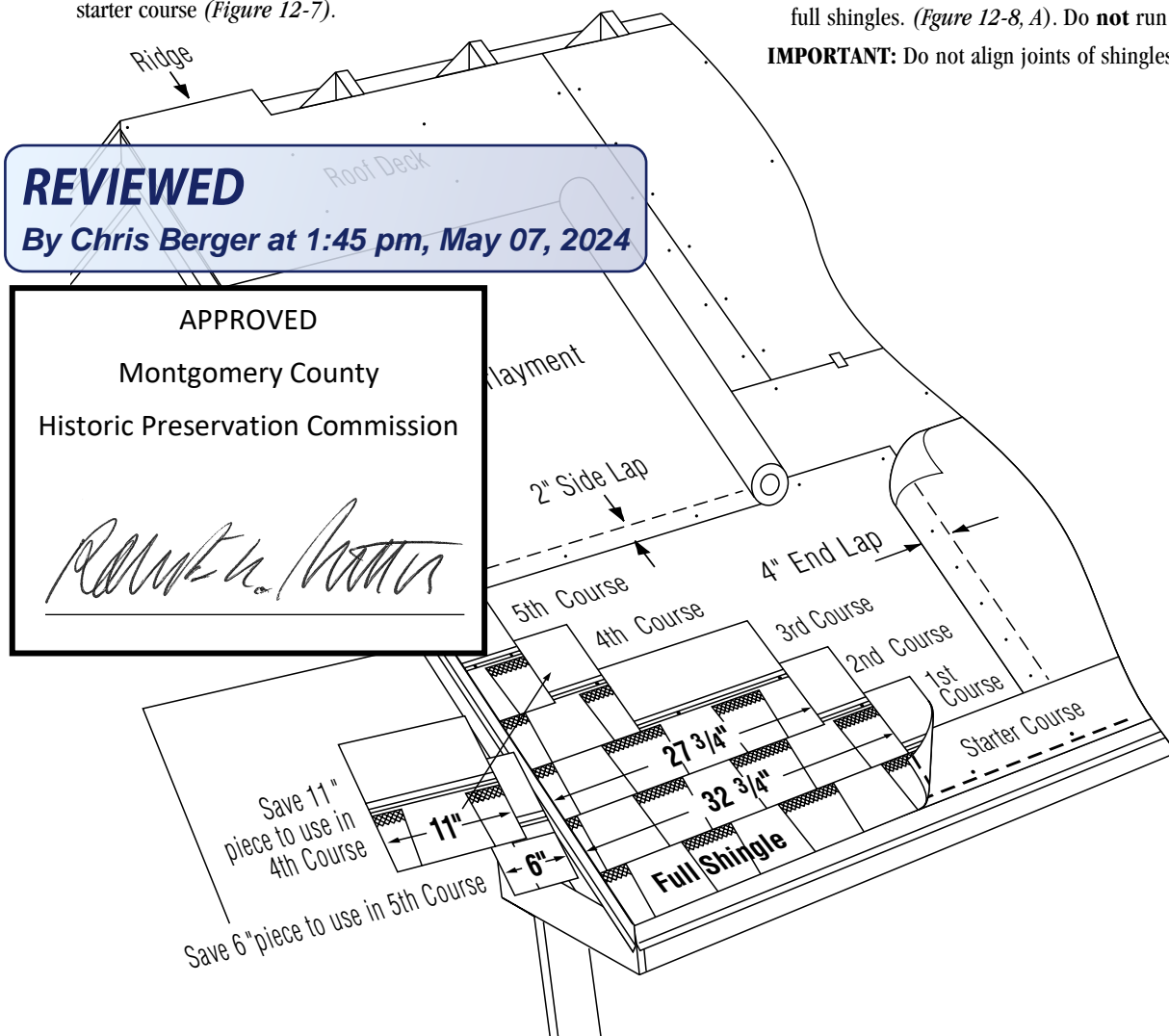
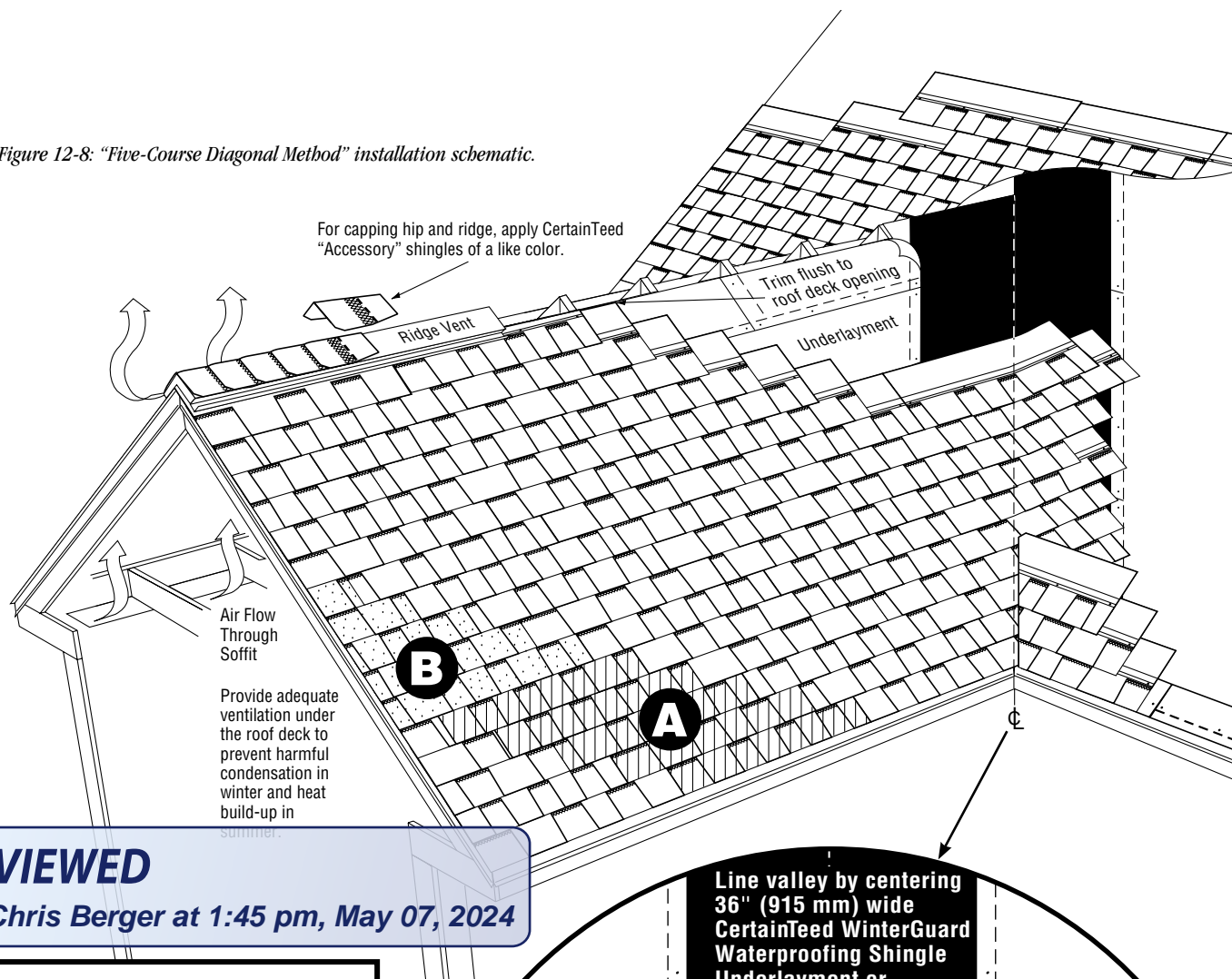


Figure 12-7: Applying the first 5 courses of Landmark.

Figure 12-8: "Five-Course Diagonal Method" installation schematic.



REVIEWED

By Chris Berger at 1:45 pm, May 07, 2024

APPROVED

Montgomery County

Historic Preservation Commission

[Signature]

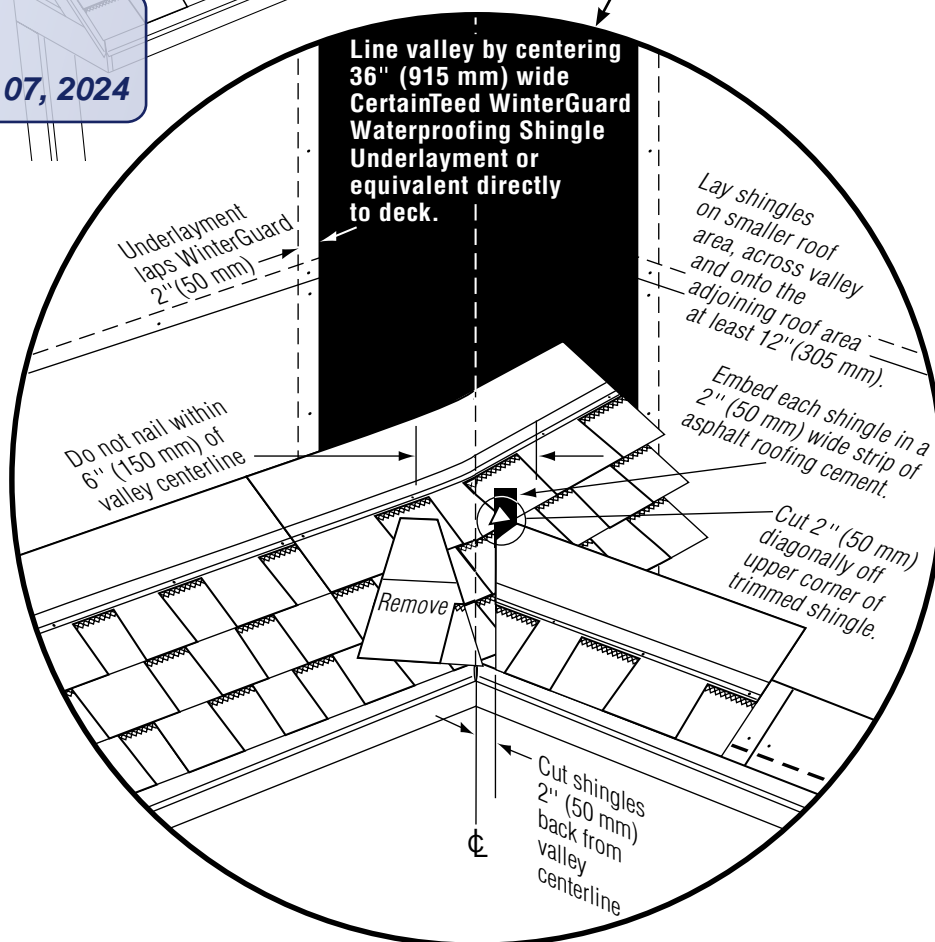


Figure 12-9: Highlight of closed-cut valley details.

from one another.

Metal Step Flashing

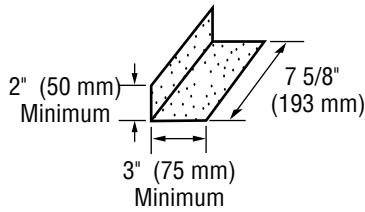
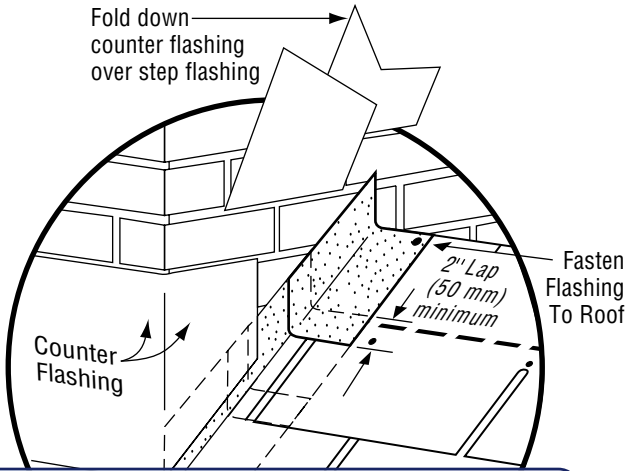


Figure 12-10: Step flashing minimum dimensions.

Fold down
counter flashing
over step flashing



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[Signature]

CHIMNEY FLASHING

Figure 12-11: Flashing around a chimney.

TWO ROOF-OVER METHODS

The same methods used for clean-deck application of these shingles are used for roof-overs. Application of these shingles **over** English dimension shingles is not recommended — due to the high cost of

workmanship and greater risk of worker error.

HIPS AND RIDGES

SHADOW RIDGE® ACCESSORY SHINGLES

Shadow Ridge shingles have an accented shadow line that is designed to complement these shingles. Simply fold along the pre-cut lines and detach individual cap pieces. Save valuable installation time compared to cutting 3-tab shingles.

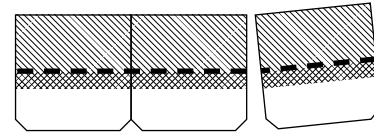


Figure 12-12: Shadow Ridge accessory shingles detach easily from three-piece units to make 72 individual cap pieces.

There are 24 three-piece units in each Shadow Ridge bundle, providing 72 individual caps that will cover 30 linear feet (33³/₄ linear feet, Metric) of a hip or ridge. Each English dimension cap piece is 12" by 12" (Metric caps are 13¹/₄" by 9⁷/₈") and features clipped corners on the bottom edge of the exposed portion.

APPLICATION IS AS FOLLOWS:

1. Apply shingles up to the hip or ridge on both sides, then trim flush.

NOTE: The last course of shingles should have an exposure of 5" (5⁵/₈" for metric) or less when the shingle cap or ridge vent is fastened in place. Otherwise, a potential water leak could occur at exposed shingle end joints. The figures used in this section illustrate the application of accessory shingles over a ridge vent; application directly to the roof deck is very similar.

IMPORTANT: Use two nails to fasten each shingle. Nails must be **minimum 1³/₄" (45 mm) long.**

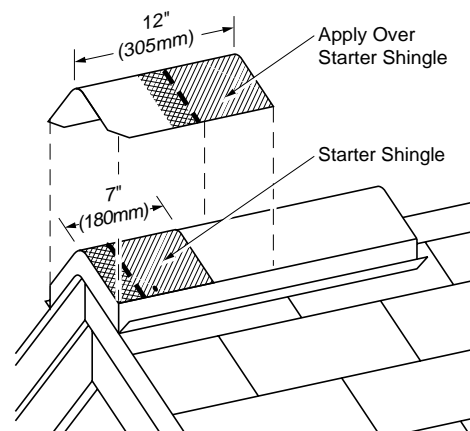


Figure 12-13: Apply a full cap shingle over the starter piece, flush with the bottom and side edges of the starter.

2. Install caps beginning at the bottom of a hip or at either end of a ridge. Apply a starter piece that has the bottom 5" (5⁵/₈" for metric) removed. Fasten the starter with two nails located about 3" from the rake edge, and 1" in from each side edge. Make sure fasteners used to apply caps penetrate at least ³/₄" into or through

the decking.

NOTE: To assist in proper alignment when ridge vent is not used, snap a chalk line parallel to the hip or ridge along the line where the side edges of the cap shingles should be.

3. Apply a full cap shingle over the starter (Figure 12-13), and place fasteners at $5\frac{5}{8}$ " ($6\frac{1}{4}$ " for metric) up from the exposed bottom edge and 1" in from each side. Nails must not be exposed on the finished roof. All nail heads must be driven straight and must not cut into the shingle surface.

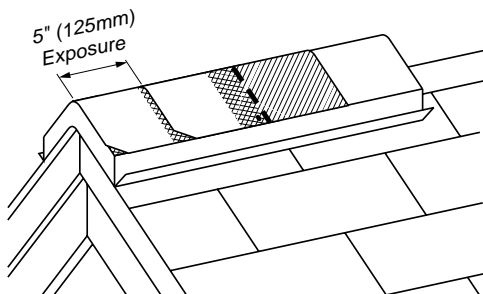
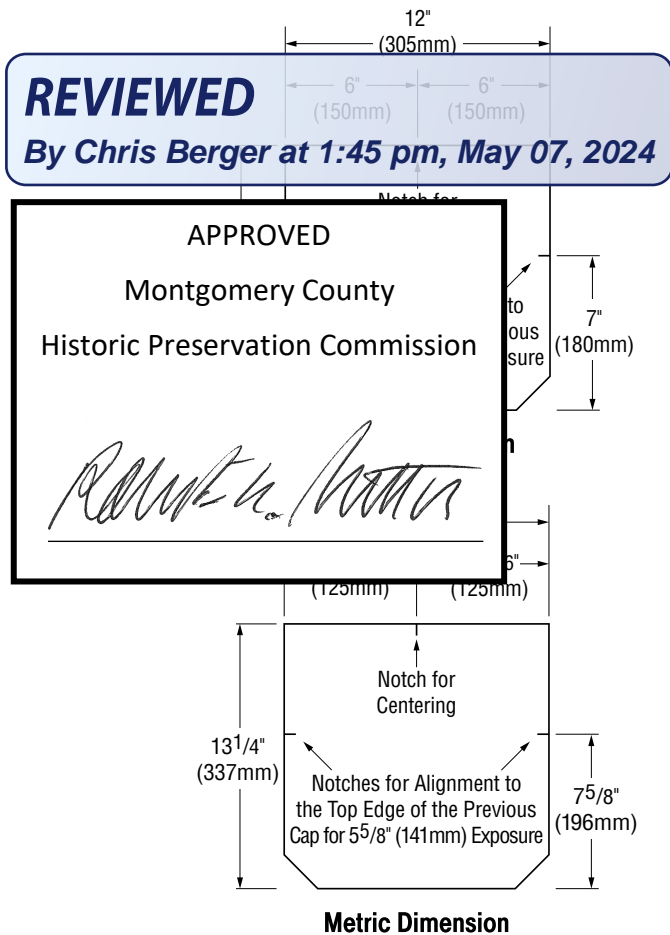


Figure 12-14: Install cap shingles at their correct exposure and cover all fasteners.

NOTE: Each cap has a laying/alignment notch at the top edge to center the piece on the ridge line, and two notches on each side to indicate the correct exposure and shadow-line placement (Figure 12-15). The side notches of the cap being applied should



be aligned with the top edge of the previously applied cap.

Figure 12-15 : Each Shadow Ridge® shingle has a centering notch and two side-alignment notches to help ensure proper placement

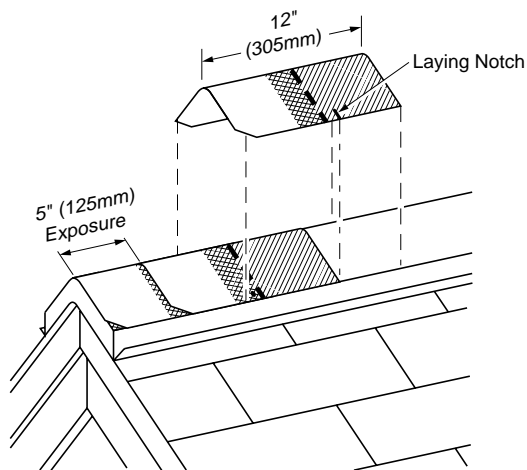


Figure 12-16: Use laying notches to center shingles on hips and ridges, and to locate the correct exposure.

MOUNTAIN RIDGE HIGH-PROFILE HIP AND RIDGE ACCESSORY

Use Mountain Ridge® accessory shingles to cover hips, ridges or rake edges. One box of 8" wide shingles cover 24 linear feet; 10" wide shingles will cover 20 linear feet. To prevent damage to shingles during application, they must be sufficiently warm to allow proper forming.

FASTENING

IMPORTANT: Use two nails to fasten each shingle. Nails must be **minimum 1 3/4" (45 mm) long**. For the 4" (100 mm) starter shingle, place fastener 1" (25 mm) in from each side edge and about 2" (50 mm) from the rake (or eave) edge, making sure the fastener goes 3/4" into the deck or all the way through. For each full Mountain Ridge shingle, place fasteners $8\frac{5}{8}$ " (219 mm) up from its exposed butt edge and 1" (25 mm) in from each side edge.

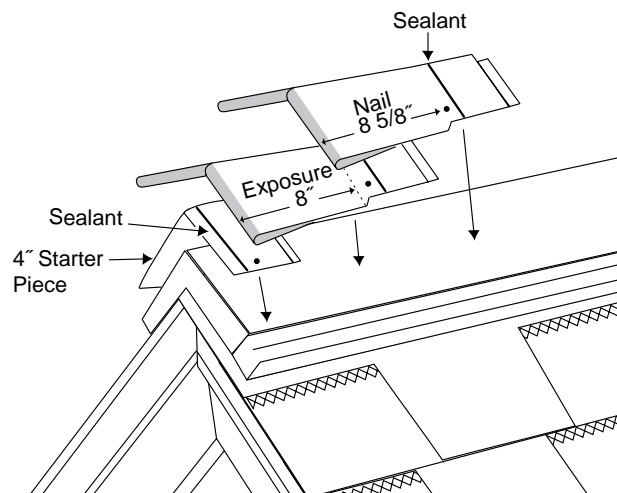


Figure 12-17: Hip and ridge application.

HIP, RIDGE AND RAKE SHINGLE APPLICATION

Apply the primary field roofing up to the hip or ridge from both sides of the roof and trim flush or lap over one side, not more than half the width of a Mountain Ridge® shingle.

Assure that the installed Mountain Ridge shingles properly cover hip and ridge field shingles on both sides and the field shingles applied along rake edges. For a rake edge installation, cut the field shingles flush to the rake edge. Apply Mountain Ridge shingles ensuring they fit securely against the rake board. **To assist in proper alignment, snap a chalk line parallel to the hip, ridge or rake along the line where the side edges of the Mountain Ridge shingles should fall.**

Prepare a 4" **Starter shingle** by cutting off the lower 8" color granule butt portion of one Mountain Ridge shingle. Apply the 4" starter piece (with sealant nearest the outer edge) over the bottom corner of the hip or rake, or on either end of the ridge, overhanging the corner or end by approximately $\frac{1}{2}$ " and bending the starter shingle along its centerline to form into place (see figures below.) Install a nail on each side about 2" up from the starter shingle's exposed butt edge and 1" in from each side edge of the shingle. The 8" piece that was cut off may be used to finish the opposite end of hip, ridge or rake.

Next, apply a full Mountain Ridge shingle over the installed starter shingle, bending it along its centerline and forming into place over the hip, ridge or rake, flush with the bottom and side edges of the starter shingle. Install a nail on each side of the shingle $8\frac{5}{8}$ " up from the bottom edge and 1" in from each side edge.

Rake – Ensure field shingles at rake edge are flush with the outer edge of the rake board. Apply Mountain Ridge shingles fitting them against the rake board. Use two color-coordinated aluminum nails, one on each side, to secure material to the rake board. (50 mm) up from bottom edge and 2" (50 mm) and 4" (75 mm) in from front

REVIEWED

By Chris Berger at 1:45 pm, May 07, 2024

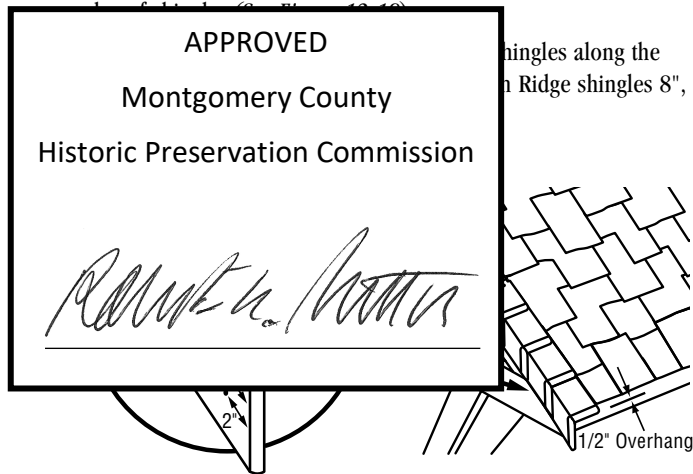


Figure 12-18: Rake edge application

CEDAR CREST MEDIUM-PROFILE HIP AND RIDGE ACCESSORY SHINGLES

Use Cedar Crest® accessory shingles to cover hips and ridges. Carefully separate the three-piece units prior to application, by first folding along the pre-cut lines and then detaching the pieces (see Figure 12-19). No cutting is necessary. There are 30 individual shingles (10 three-piece units) in each bundle. One bundle will cover 20 linear feet. Each 12" x 12" shingle has a shadowline that is a design feature which is visible when applied properly. To prevent shingle damage during application, they must be sufficiently warm to allow proper forming.

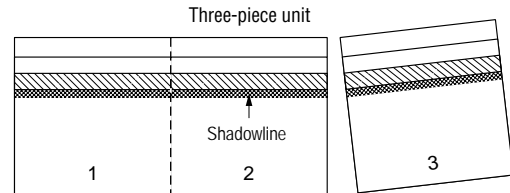


Figure 12-19: Separate to make 3 cap shingles.

FASTENING

IMPORTANT: Use TWO nails to fasten each shingle. Fasteners must be minimum $1\frac{3}{4}$ " (45 mm) long.

For the starter shingle, place fastener 1" in from each side edge and about 2" up from the starter shingle's exposed butt edge, making sure fastener goes $\frac{3}{4}$ " into the deck or all the way through the deck. (see Figure 12-20). For each full Cedar Crest shingle, place fasteners $8\frac{5}{8}$ " up from its exposed butt edge and 1" in from each side edge (see Figure 12-21).

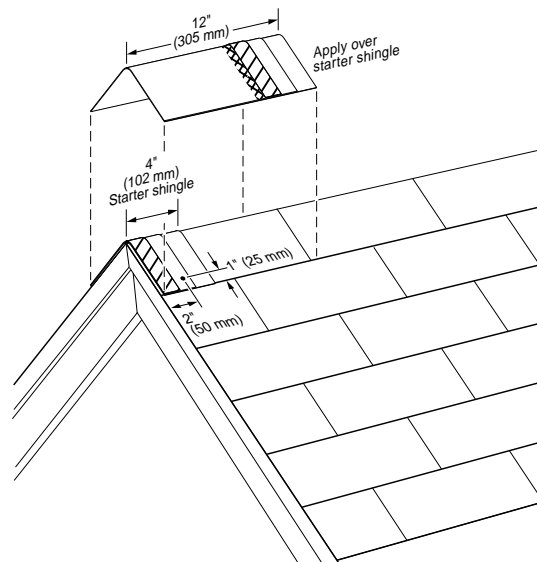


Figure 12-20: Apply a full cap shingle over the starter shingle.

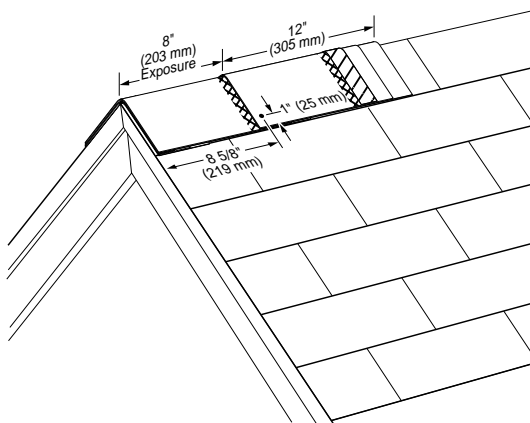
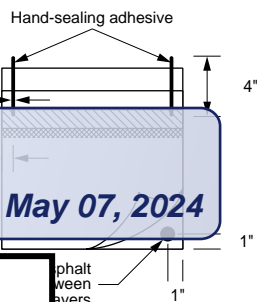


Figure 12-21: Install cap shingles at an 8" exposure and fasten with one nail on each side as shown.

IMPORTANT: High Wind Instructions. In order to achieve the ASTM D3161 Class "F" Wind Resistance Classification each "hip and ridge" shingle must be both 1) fastened with nails as shown and 2) hand-sealed with two 1/4" wide beads of either BASF "Sonolastic® NP1™ Adhesive" or Henkel "PL® Polyurethane Roof & Flashing Cement" applied from the middle of the shingle's raised overlay on the top piece and extending approximately 4" along the sides of the head-lap along a line 3/4"-1" in from each side edge of the



REVIEWED

By Chris Berger at 1:45 pm, May 07, 2024

APPROVED

Montgomery County
Historic Preservation Commission

[Signature]

22: Hand seal caps as shown.
Apply NP1 or PL adhesive as shown. Immediately press tab sides into adhesive.

CEDAR CREST® APPLICATION

Apply primary roofing up to hip or ridge on both sides of roof and trim flush. Ensure that the Cedar Crest shingles will adequately cover the top course of the shingles on both sides of the hip or ridge. Prepare a 4" "starter" shingle by cutting off the lower 8" color granule portion of one Cedar Crest shingle. Apply the 4" starter piece with raised overlay edge over the bottom corner of the hip or to either end of the ridge, overhanging the corner or end by approximately 1/2" and bending the starter shingle along its centerline to form into place (see Figure 12-20). Install a nail on each side about 2" up from the starter shingle's exposed butt edge and 1" in from each side edge of the shingle.

Then apply a full 12" x 12" piece over the starter, bending the shingle along its centerline and forming it into place over the hip or ridge, flush with the bottom and side edges of the starter shingle. Fasten with two nails minimum 1 3/4" long with one nail on each side of shingle 8 5/8" up from the butt edge and 1" in from each side edge (see Figure 12-21).

Continue application of Cedar Crest shingles up the hip or along the ridge, forming each shingle over the hip or ridge, and fasten as shown in Fastening. Expose Cedar Crest shingles 8", covering all fasteners.

To assist in proper alignment, snap a chalk line parallel to the hip or ridge applying along the line where the side edges of the Cedar Crest shingles should be.

Here's a Tip... In the winter put hip and ridge cap shingles in your truck with the heater blasting for 20 minutes so the caps don't crack when formed. (Thanks to Mark Dulz, Richmond, MI.)