I.I

MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address: 4721 Cumberland Ave., Chevy Chase

Resource: Primary (Pre-1915) Resource (Somerset Historic District)

Applicant: William and Susan Taylor (Jane Treacy, Architect)

Review: HAWP

Case Number: 35/36-19F

PROPOSAL: Building addition

STAFF RECOMMENDATION

Staff recommends that the HPC approve the HAWP application.

ARCHITECTURAL DESCRIPTION

SIGNIFICANCE: Primary (Pre-1915) Resource within the Somerset District
STYLE: Queen Anne
DATE: c. 1901

Fig. 1: Subject property.
PROPOSAL

The applicants propose the following work items at the subject property:

- Rear (north) elevation
  - The existing 2nd floor walk out deck railings will be replaced with high tension cable rails.
  - The existing 1st floor screened porch will be infilled and extended to the basement level.
  - The existing 1st floor deck and stairs will be replaced with a new deck and stairs in a smaller footprint.
  - A new screened porch will be constructed under the new deck.

- Left (west) elevation
  - The existing non-historic kitchen windows will be made larger by lowering the sills 8”.
  - One new awning is proposed in the stair hall in the southwest elevation of the historic house.

- Right (east) elevation (1987 side addition)
  - An existing non-historic door will be replaced with two windows – one at the basement level and one on the 1st floor.

- Other
  - A new metal chimney flue is proposed on the rear/right (northeast) side of the historic house roof.

APPLICABLE GUIDELINES

When reviewing alterations and new construction within the Somerset Historic District several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include Montana County Code Chapter 24A (Chapter 24A), and the Secretary of the Interior’s Standards for Rehabilitation (Standards). The pertinent information in these documents is outlined below.

Montgomery County Code; Chapter 24A-8

(b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to insure conformity with the purposes and requirements of this chapter, if it finds that:

1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or

2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or

3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or
(4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or

(5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; or

(6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.

(c) It is not the intent of this chapter to limit new construction, alteration or repairs to any 1 period or architectural style.

(d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (Ord. No. 9-4; Ord. No. 11-59.)

**Secretary of the Interior’s Standards for Rehabilitation:**

The Secretary of the Interior defines rehabilitation as “the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values.” Standards 2, 9, and 10 most directly apply to the application before the commission:

#2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

#9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

#10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

**STAFF DISCUSSION**

Staff fully supports the applicants’ proposal. Much of the proposed work is at the rear (north) elevation, with the proposed enclosures/additions being within the footprint of an existing non-historic addition. The proposed work items on the side elevations are limited to fenestration alterations, including the conversion of a door to two windows on the right (east) elevation, which is an addition constructed in 1987, and the enlargement of two non-historic windows and addition of one new casement window on the left (west) elevation. The proposed new chimney flue in northeast corner of the historic house will likely only be visible from an oblique angle in the public right-of-way and will result in a negligible visible change.
The proposed work items will not remove or alter character-defining features of the subject property, in accordance with Standards #2 and #9. In accordance with Standard #10, the proposed alterations can be removed in the future without impairing the essential form and integrity of the historic property and its environment.

The proposed materials include aluminum-clad windows with permanently-affixed interior and exterior muntins and spacer bars, where applicable, Boral siding and trim, Ipe decking, and architectural asphalt shingles, and high tension cable railings. The proposed materials are appropriate and compatible for alterations to additions and non-historic features.

After full and fair consideration of the applicant’s submission staff finds the proposal as being consistent with the Criteria for Issuance in Chapter 24A-(b) 1 and 2, having found the proposal is consistent with the Secretary of the Interior’s Standards for Rehabilitation #2, #3, and #10 outlined above.

**STAFF RECOMMENDATION:**

Staff recommends that the Commission approve the HAWP application under the Criteria for Issuance in Chapter 24A-8(b), having found that the proposal will not substantially impact the historic resource(s) and is compatible in character with the district and the purposes of Chapter 24A;

and with the Secretary of the Interior’s Standards for Rehabilitation #2, #3, and #10;

and with the general condition that the applicant shall present the 3 permit sets of drawings, if applicable to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff’s discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make any alterations to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or michael.kyne@montgomeryplanning.org to schedule a follow-up site visit.
APPLICATION FOR
HISTORIC AREA WORK PERMIT

Contact Email: jane@treacyeagleburger.com
Contact Person: Jane Treacy

Tax Account No.: 00537187
Name of Property Owner: William & Susan Taylor
Daytime Phone No.: 202 362-5226 ext.1

Address: 4721 Cumberland Avenue
City: Chevy Chase
State: Maryland
Zip Code: 20815

Contractor: TBD
Contractor Registration No.: TBD
Agent for Owner: Jane Treacy, Architect
Daytime Phone No.: 202 362-5226 ext.1

LOCATION OF BUILDING PREMISES

House Number: 4721
Street: Cumberland Avenue
Nearest Cross Street: Surrey Street
Lot: P15
Block: 1
Subdivision: 0044

Editorial Note: S 96 4/13

PART ONE: TYPE OF PERMIT / ACTION / USE

1A. CHECK ALL APPLICABLE.
☐ Construct ☑ Extend ☑ Alter / Renovate ☑ A/C ☑ Shed ☑ Room Addition ☑ Porch ☑ Deck ☐ Shed
☐ Move ☑ Install ☑ Window / Door ☑ Solar ☐ Fireplace ☑ Wood Burning Stove ☐ Single Family
☐ Revision ☑ Repair ☑ Removable ☑ Fence / Wall (complete Section 4) ☐ Other:

1B. Construction cost estimate: $ 275,000

1C. If this is a revision of a previously approved active permit, see Permit #

PART TWO: COMPLETE FOR NEW CONSTRUCTION AND EXTENSIONS

2A. Type of sewage disposal: ☑ 01 ☑ WSSC ☑ 02 ☑ Septic ☑ 03 ☐ Other:

2B. Type of water supply: ☑ 01 ☑ WSSC ☑ 02 ☑ Well ☑ 03 ☐ Other:

PART THREE: COMPLETE ONLY FOR EXISTING WALL

3A. Height: feet inches

3B. Indicate whether the fence or retaining wall is to be constructed on one of the following locations:
☒ On property line / property line ☑ Entirely on land of owner ☐ On public right of way / assessment

I hereby certify that I have the authority to make the foregoing application, that the application is correct, and that the construction will comply with plans approved by all agencies listed and I hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner of property listed above
2019.11.08

For Chairperson, Historic Preservation Commission

Disapproved:
Signature:
Date:

Application / Permit No.: Date Filed: Date Issued:

SEE REVERSE SIDE FOR INSTRUCTIONS
THE FOLLOWING ITEMS MUST BE COMPLETED AND THE REQUIRED DOCUMENTS MUST ACCOMPANY THIS APPLICATION.

1. WRITTEN DESCRIPTION OF PROJECT
   a. Description of existing structure(s) and environmental setting, including their historical features and significance:

   The existing 1901 house was significantly altered and added to in 1987 (see attached 1987 plat). The entire right (east) side of the house was expanded east and included the extension and addition of the existing front porch, around to the east side of the house. This addition was detailed in such a way as to blur the differences between the existing and new at that time in 1987.

   In 1989 (see attached 1989 plat), a rear (north) addition comprised of 1st floor screened porch, 1st floor elaborate deck and stairs, and 2nd floor walk-out deck, were all added.

   b. General description of project and its effect on the historic resource(s), the environmental setting; and, where applicable, the historic district:

   There will not be any expanded footprint and no trees will be removed. The extent of the proposed changes are as follows:

   - Rear (north): Most of the proposed work is on this side and is not visible from the front. 1. The existing 2nd floor deck will be retained and the railings replaced with a cable rail system. 2. The existing 1st floor screened porch will be filled in and extended down to the basement level within the same footprint. 3. The existing 1st floor deck and stairs will be replaced with a new deck and stairs that will occupy a smaller footprint than the existing. A new screened porch will be inserted under the new deck.

   - Left side (west): The existing, non-original kitchen windows will be made larger by lowering the sill by X. A new window is proposed in the existing front stair hall, near the SE corner of the original house.

   - Right side (east): An existing, non-original door will be replaced with two new windows, one basement window and one 1st floor window.

2. SITE PLAN

   Site and environmental setting, drawn to scale. You may use your plat. Your site plan must include:

   a. the scale, north arrow, and date;

   b. dimensions of all existing and proposed structures; and

   c. site features such as walkways, driveways, fences, porches, streams, trash dumpsters, mechanical equipment, and landscaping.

3. PLANS AND ELEVATIONS

   You must submit 2 copies of plans and elevations in a format no larger than 11" x 17". Plans on 8 1/2" x 11" paper are preferred.

   a. Schematic construction plans, with marked dimensions, indicating location, size and general type of walls, window and door openings, and other fixed features of both the existing resources and the proposed work.

   b. Elevations (facades), with marked dimensions, clearly indicating proposed work in relation to existing construction and, when appropriate, context. All materials and features proposed for the exterior must be noted on the elevations drawings. An existing and a proposed elevation drawing of each facade affected by the proposed work is required.

4. MATERIALS SPECIFICATIONS

   General description of materials and manufactured items proposed for incorporation in the work of the project. This information may be included on your design drawings.

5. PHOTOGRAPHS

   a. Clearly labeled photographic prints of each facade of existing resource, including details of the affected portion. All labels should be placed on the front of photographs.

   b. Clearly label photographic prints of the resource as viewed from the public right-of-way and of the adjoining properties. All labels should be placed on the front of photographs.

6. TREE SURVEY

   If you are proposing construction adjacent to or within the drip line of any tree 8" or larger in diameter (at approximately 4 feet above the ground), you must file an accurate tree survey identifying the size, location, and species of each tree of at least that dimension.

7. ADDRESSES OF ADJACENT AND CONFRONTING PROPERTY OWNERS

   For all projects, provide an accurate list of adjacent and confronting property owners (not tenants), including names, addresses, and zip codes. This list should include the owners of all lots or parcels which adjoin the parcel in question, as well as the owner(s) of lots or parcel(s) which lie directly across the street/river from the parcel in question.

PLEASE PRINT IN BLUE OR BLACK INK OR TYPE THIS INFORMATION ON THE FOLLOWING PAGE.
PLEASE STAY WITHIN THE GUIDES OF THE TEMPLATE, AS THIS WILL BE PHOTOCOPIED DIRECTLY INTO MAILING LABELS.
**HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING**
[Owner, Owner’s Agent, Adjacent and Confronting Property Owners]

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<thead>
<tr>
<th>Owner’s mailing address</th>
<th>Owner’s Agent’s mailing address</th>
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<tr>
<td>William Taylor</td>
<td>Jane Treacy - Phillip Eagleburger</td>
</tr>
<tr>
<td>4721 Cumberland Avenue</td>
<td>Treacy &amp; Eagleburger Architects PC</td>
</tr>
<tr>
<td>Chevy Chase, MD 20815</td>
<td>3335 Connecticut Ave., NW</td>
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<td>Washington, DC 20008</td>
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**Adjacent and confronting Property Owners mailing addresses**

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<tr>
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NE CORNER - EXISTING

NE CORNER - PROPOSED
## Clad Ultimate Double Hung Next Generation

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### Multiple Assembly Conversions

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Clad Ultimate Double Hung Next Generation: CUDH-NG

NOT TO SCALE

MARCH 2019

CLAD ULTIMATE DOUBLE HUNG NEXT GENERATION
## CLAD ULTIMATE AWNING/PUSH OUT AWNING

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**A**

**B**

NOTES: Please consult your local Marvin® representative for more information. **NOT TO SCALE.**

JANUARY 2019
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**CUDH-NG**
- CUH-NG1630
- CUH-NG2030
- CUH-NG2430
- CUH-NG2830
- CUH-NG3230

**CUDH-NG2**
- CUH-NG1632
- CUH-NG2032
- CUH-NG2432
- CUH-NG2832
- CUH-NG3232

**CUDH-NG2832**
- CUH-NG2832E

**CUDH-NG2834**
- CUH-NG2834E

**CUDH-NG2836**
- CUH-NG2836E

**CUDH-NG2838**
- CUH-NG2838E

**CUDH-NG30**
- CUH-NG1640
- CUH-NG2040
- CUH-NG2440
- CUH-NG2840
- CUH-NG3240

**CUDH-NG3042**
- CUH-NG3042E

**CUDH-NG3044**
- CUH-NG3044E

**CUDH-NG3046**
- CUH-NG3046E

**CUDH-NG3048**
- CUH-NG3048E
13/4" ULTIMATE SWINGING FRENCH DOOR

6-6R HEIGHT

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6-8 HEIGHT (7-0, 8-0 AND 9-0 HEIGHTS SEE BELOW)

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NOTES:

- 8-Ratio Size
- Lift patterns shown are for standard SDL and,g on 6-0, 6-8, and 7-0 heights. The standard pattern for 8-0 heights is a 4 8 4 lift cut. Standard lift cut for 9-0 heights is a 9 9 9 lift cut.
- All glass is tempered.
- Elevations as viewed from the exterior.
- Please contact your local Marvin representative for masonry openings that include casings and sills.
- CN 9-0 heights are limited to 1 and 2 wide configurations using CN2-6 and 3-0 panels.

7-0, 8-0 AND 9-0 HEIGHTS:

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<td>7-7/8 (194)</td>
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<td>7-7/8 (194)</td>
<td>7-9/8 (196)</td>
<td>7-9/8 (196)</td>
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</table>

NOT TO SCALE

JANUARY 2019

13/4" ULTIMATE SWINGING FRENCH DOOR

19
CLAD ULTIMATE CASEMENT/PUSH OUT CASEMENT

MO (mm) | 1-4 1/2 (497) | 1-6 1/2 (469) | 1-8 1/2 (520) | 2-1/2 (622) | 2-2 1/2 (672) | 2-4 1/2 (723) | 2-6 1/2 (774) | 2-8 1/2 (825) | 3-1/2 (927) | 3-4 1/2 (978) |
RO (mm) | 1-5 1/8 (431) | 1-7 1/8 (440) | 1-9 3/4 (533) | 2-1 1/2 (633) | 2-3 1/2 (663) | 2-5 1/2 (736) | 2-7 1/2 (787) | 2-9 1/2 (838) | 3-1 (999) | 3-4 (1006) |
FS (mm)  | 1-5 1/8 (431) | 1-7 1/8 (440) | 1-9 3/4 (533) | 2-1 1/2 (633) | 2-3 1/2 (663) | 2-5 1/2 (736) | 2-7 1/2 (787) | 2-9 1/2 (838) | 3-1 (999) | 3-4 (1006) |
DLO (mm) | 0-10 1/16 (259) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) | 0-13/64 (20) |

G
F

CLAD ULTIMATE CASEMENT STANDARD OPERATION AS VIEWED FROM THE OUTSIDE
## CLAD ULTIMATE CASEMENT/PUSH OUT CASEMENT

<table>
<thead>
<tr>
<th>MO (mm)</th>
<th>1-4 1/2 (419)</th>
<th>1-4 1/2 (467)</th>
<th>1-8 1/2 (520)</th>
<th>2-1/2 (622)</th>
<th>2-2 1/2 (673)</th>
<th>2-4 1/2 (723)</th>
<th>2-6 1/2 (774)</th>
<th>2-8 1/2 (825)</th>
<th>3-1/2 (927)</th>
<th>3-4 1/2 (928)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO (mm)</td>
<td>1-5 (63)</td>
<td>1-7 1/2 (462)</td>
<td>1-8 (413)</td>
<td>2-1/2 (585)</td>
<td>2-2 1/2 (683)</td>
<td>2-4 1/2 (783)</td>
<td>2-6 1/2 (883)</td>
<td>2-8 1/2 (983)</td>
<td>3-1/2 (989)</td>
<td>3-4 1/2 (940)</td>
</tr>
<tr>
<td>FS (mm)</td>
<td>1-4 (406)</td>
<td>1-6 (457)</td>
<td>1-8 (458)</td>
<td>2-0 (509)</td>
<td>2-2 (660)</td>
<td>2-4 (710)</td>
<td>2-6 (762)</td>
<td>2-8 (812)</td>
<td>3-0 (914)</td>
<td>3-4 (1016)</td>
</tr>
<tr>
<td>DLO (mm)</td>
<td>0.10 (1364) (2.59)</td>
<td>0.10 (1364) (3.81)</td>
<td>0.20 (1364) (3.66)</td>
<td>1.6133 (2.246)</td>
<td>1.8133 (4.642)</td>
<td>2.0 (1364) (5.0)</td>
<td>2.0 (1364) (8.15)</td>
<td>2.1324 (4.464)</td>
<td>2.6 (1364) (7.67)</td>
<td>2.10 (1364) (6.97)</td>
</tr>
</tbody>
</table>

### NOTES:
- Marvin exclusive wash mode is not available on Ultimate Casement, Ultimate Casement Round Top or Ultimate Casement Windows less than 20" in width.
- Clad Ultimate Push Out Casement not available in frame sizes heights less than 15 1/8".
- For units with a sill bottom rail, reduce the DLO height by 1 1/2".

E. These windows meet national egress codes for fire evacuation. Local codes may differ.
T. For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with a frame size of 252 sq. ft. and larger.

---

**Clad Ultimate Casement: CUCA**

**Clad Ultimate Push Out Casement: CUPCA**

---

NO 10 SCALE

JANUARY 2019

21
### Clad Ultimate Awning/Push Out Awning

<table>
<thead>
<tr>
<th>MO (mm)</th>
<th>1-4 1/2 (419)</th>
<th>1-6 1/2 (469)</th>
<th>1-8 1/2 (520)</th>
<th>2-1/2 (622)</th>
<th>2-3 1/2 (673)</th>
<th>2-4 1/2 (722)</th>
<th>2-6 1/2 (799)</th>
<th>2-8 1/2 (825)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO (mm)</td>
<td>1-5 (43)</td>
<td>1-7 (482)</td>
<td>1-9 (533)</td>
<td>2-1 (625)</td>
<td>2-3 1/2 (673)</td>
<td>2-4 1/2 (722)</td>
<td>2-6 1/2 (799)</td>
<td>2-8 1/2 (825)</td>
</tr>
<tr>
<td>FS (mm)</td>
<td>1-4 (106)</td>
<td>1-6 1/2 (469)</td>
<td>1-8 (508)</td>
<td>2-0 (609)</td>
<td>2-2 (840)</td>
<td>2-4 (771)</td>
<td>2-6 (876)</td>
<td>2-8 (812)</td>
</tr>
<tr>
<td>DLO (mm)</td>
<td>0.10 13/64 (259)</td>
<td>1.013/64 (310)</td>
<td>1.213/64 (364)</td>
<td>1.613/64 (462)</td>
<td>1.8 13/64 (513)</td>
<td>1.10 13/64 (364)</td>
<td>2.0 13/64 (615)</td>
<td>2.2 13/64 (664)</td>
</tr>
</tbody>
</table>

**CAD Drawings**

- CUAWN1654
- CUAWN1656
- CUAWN1660
- CUAWN1664
- CUAWN1672T

**CUA**

- CUAWN1854
- CUAWN1856
- CUAWN1860
- CUAWN1864
- CUAWN1872T

- CUAWN2054
- CUAWN2060
- CUAWN2064
- CUAWN2072T
- CUAWN2072T

- CUAWN2454
- CUAWN2456
- CUAWN2460
- CUAWN2464
- CUAWN2472T
- CUAWN2472T

- CUAWN2654
- CUAWN2656
- CUAWN2660
- CUAWN2664
- CUAWN2672T
- CUAWN2672T

- CUAWN2854
- CUAWN2856
- CUAWN2860
- CUAWN2864
- CUAWN2872T
- CUAWN2872T

- CUAWN3054
- CUAWN3056
- CUAWN3060
- CUAWN3064
- CUAWN3254
- CUAWN3256

**NOTES:**

- For safety and for code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with a frame size of 252 sq. ft. and larger.

**Clad Ultimate Awning:** CUAWN

**Clad Ultimate Push Out Awning:** CUPAWN
### Clad Ultimate Awning/Push Out Awning

<table>
<thead>
<tr>
<th>MO (mm)</th>
<th>1.4/1.2 (44)</th>
<th>1.6/1.2 (46)</th>
<th>1.8/1.2 (52)</th>
<th>2.1/1.2 (62)</th>
<th>2.2/1.2 (67)</th>
<th>2.4/1.2 (73)</th>
<th>2.6/1.2 (74)</th>
<th>2.8/1.2 (75)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RO (mm)</td>
<td>1.5 (43)</td>
<td>1.7 (47)</td>
<td>1.9 (53)</td>
<td>2.1 (63)</td>
<td>2.3 (69)</td>
<td>2.5 (73)</td>
<td>2.7 (77)</td>
<td>2.9 (83)</td>
</tr>
<tr>
<td>FS (mm)</td>
<td>1.4 (40)</td>
<td>1.6 (47)</td>
<td>1.8 (56)</td>
<td>2.0 (69)</td>
<td>2.2 (66)</td>
<td>2.4 (71)</td>
<td>2.6 (72)</td>
<td>2.8 (81)</td>
</tr>
<tr>
<td>DLO (mm)</td>
<td>0.10 (16/4)</td>
<td>0.15 (34/4)</td>
<td>0.20 (36/4)</td>
<td>0.25 (46/4)</td>
<td>0.30 (54/4)</td>
<td>0.35 (53/4)</td>
<td>0.40 (54/4)</td>
<td>0.45 (64/4)</td>
</tr>
</tbody>
</table>

NOTES:
- Clad Ultimate Push Out Awning not available in frame size heights greater than 47 3/8".

NOT TO SCALE

JANUARY 2019

Clad Ultimate Awning: CUAWN
Clad Ultimate Push Out Awning: CUPAWN

23
## Clad Ultimate French Casement/Push Out French Casement

<table>
<thead>
<tr>
<th>MO (mm)</th>
<th>3.012 (2027)</th>
<th>3.4 1/2 (1029)</th>
<th>4.0 1/2 (1232)</th>
<th>4.8 1/2 (1435)</th>
<th>5.0 1/2 (1537)</th>
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</thead>
<tbody>
<tr>
<td>RO (mm)</td>
<td>3.1 (2040)</td>
<td>3.5 (2050)</td>
<td>4.1 (1246)</td>
<td>4.9 (1446)</td>
<td>5.1 (1549)</td>
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<tr>
<td>FS (mm)</td>
<td>3.0 (2040)</td>
<td>3.4 (1070)</td>
<td>4.0 (1219)</td>
<td>4.8 (1422)</td>
<td>5.0 (1524)</td>
</tr>
<tr>
<td>DLO (mm)</td>
<td>1.0 (25)</td>
<td>1.25 (32)</td>
<td>1.65 (42)</td>
<td>2.0 (50)</td>
<td>2.5 (63)</td>
</tr>
<tr>
<td></td>
<td>1.25 (32)</td>
<td>1.65 (42)</td>
<td>2.0 (50)</td>
<td>2.5 (63)</td>
<td>12.0 (5564)</td>
</tr>
<tr>
<td></td>
<td>1.25 (32)</td>
<td>1.65 (42)</td>
<td>2.0 (50)</td>
<td>2.5 (63)</td>
<td>12.0 (5564)</td>
</tr>
<tr>
<td>2.7 (68)</td>
<td>2.7 (68)</td>
<td>2.7 (68)</td>
<td>2.7 (68)</td>
<td>2.7 (68)</td>
<td>2.7 (68)</td>
</tr>
<tr>
<td>3.0 (63)</td>
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<td>3.0 (63)</td>
<td>3.0 (63)</td>
<td>3.0 (63)</td>
<td>3.0 (63)</td>
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<tr>
<td>3.3 (83)</td>
<td>3.3 (83)</td>
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<td>3.3 (83)</td>
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<td>4.2 (106)</td>
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<td>4.8 (122)</td>
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<td>5.1 (129)</td>
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<td>5.1 (129)</td>
</tr>
</tbody>
</table>

**NOTES:**
- E: These units meet national Express codes for fire evacuation. Local codes may differ.
- F: For safety and fire code requirements, Marvin recommends tempered glass in all units with a frame size height of 72" 1/16" or larger and units with a frame size of 25.2 sq. ft. and larger.

---

**Clad Ultimate French Casement:** CUFCA

**Clad Ultimate Push Out French Casement:** CUPFCA

**NOT TO SCALE**

**JANUARY 2019**
### CLAD ULTIMATE CASEMENT/PUSH OUT CASEMENT

<table>
<thead>
<tr>
<th>MO (mm)</th>
<th>1-4 1/2 (419)</th>
<th>1-6 1/2 (460)</th>
<th>1-8 1/2 (520)</th>
<th>2-1/2 (62)</th>
<th>2-1/2 (62)</th>
<th>2-2 1/2 (673)</th>
<th>2-4 1/2 (723)</th>
<th>2-6 1/2 (774)</th>
<th>2-8 1/2 (825)</th>
<th>3-1/2 (927)</th>
<th>3-4 1/2 (923)</th>
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<tbody>
<tr>
<td>RO (mm)</td>
<td>1-3 (33)</td>
<td>1-7 (42)</td>
<td>1-9 1/2 (533)</td>
<td>2-1/2 (62)</td>
<td>2-3 1/2 (673)</td>
<td>2-5 (781)</td>
<td>2-7 (876)</td>
<td>2-9 (971)</td>
<td>3-1 (916)</td>
<td>3-3 (924)</td>
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<tr>
<td>FS (mm)</td>
<td>1-4 (406)</td>
<td>1-6 (457)</td>
<td>1-8 (508)</td>
<td>2-0 (609)</td>
<td>2-2 (660)</td>
<td>2-4 (716)</td>
<td>2-6 (762)</td>
<td>2-8 (812)</td>
<td>3-0 (916)</td>
<td>3-2 (923)</td>
<td></td>
</tr>
<tr>
<td>DLO (mm)</td>
<td>0-10 1/8 (259)</td>
<td>0-13 (33)</td>
<td>0-16 1/8 (413)</td>
<td>1-2 1/8 (361)</td>
<td>1-4 1/8 (462)</td>
<td>1-6 1/8 (564)</td>
<td>2-0 1/8 (665)</td>
<td>2-2 (762)</td>
<td>2-4 (866)</td>
<td>2-6 (867)</td>
<td>2-8 (969)</td>
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</table>

<table>
<thead>
<tr>
<th>MO (mm)</th>
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<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
<th>3-7 1/8 (96)</th>
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<tbody>
<tr>
<td>RO (mm)</td>
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<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
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<td>FS (mm)</td>
<td>3-7 (80)</td>
<td>3-7 (80)</td>
<td>3-7 (80)</td>
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<td>3-7 (80)</td>
<td>3-7 (80)</td>
<td>3-7 (80)</td>
<td>3-7 (80)</td>
</tr>
<tr>
<td>DLO (mm)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
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<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
<td>3-3 1/8 (80)</td>
</tr>
</tbody>
</table>

**NOTES:**

- Marvin exclusive wash mode is not available on Ultimate Averages, Ultimate Casement Round Taps or Ultimate Casement Windows less than 20" in width.
- For units with a tilt bottom rail reduce the DLO height by 1 1/2".
- These windows meet national Egress codes for fire evacuation. Local codes may differ.
- For security, sliding code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with a frame size of 25.2 sq. ft. and larger.
- Please consult your local Marvin representative for more information.

**Clad Ultimate Casement:** CUCA
**Clad Ultimate Push Out Casement:** CUPCA

**CLAD ULTIMATE CASEMENT/PUSH OUT CASEMENT**

**JANUARY 2019**

**NOT TO SCALE 25**
Lite Options

5/8" SDL

5/8" SDL W/Spacer

7/8" SDL W/Spacer Bar

1 1/8" SDL W/Spacer Bar

1 15/16" SDL W/One Spacer Bar

1 15/16" SDL W/Two Spacer Bars

2 13/32" SDL W/One Spacer Bar

2 13/32" SDL W/Two Spacer Bars
Section Details: Operating

Double Hung

Frame Size

Head Jamb and Sill

Single Hung

Frame Size

Lower Sash

Upper Sash

Jams
Section Details: 3/4" IG and 1" IG Operator Meeting Stiles

Scale: 3" = 1' 0"

Operating
Meeting Stile - 3/4" IG

Stationary
Meeting Stile - 1" IG

Head Jamb and Sill

Wide Bottom Rail
NOTE: IZ3/IZ4 rated products not available with CE mark.
Trim

Designed to be used in non-load-bearing applications, TruExterior® Trim is suitable for ground contact and moisture-prone areas, which makes it ideal for exterior trim applications such as fascia, door trim, soffits, rake boards and a variety of other applications. There is no need to prime ends or field cuts. Plus, it can be painted any color. TruExterior® Trim accepts a wide variety of fasteners and can be installed using standard woodworking tools and methods.
Pioneering an entirely new category of building materials made with the revolutionary poly-ash material.

TruExterior® Siding & Trim is the only product available today that addresses issues commonly seen with other exterior materials on the market.

**MOISTURE**
TruExterior® products contain no wood fiber, preventing issues that commonly plague wood, wood composites and other fiber cement.
- No need to prime ends or field cuts
- Resists rot and termite attacks*
- No swelling*
- No cracking or splitting
- No cupping or checking*
- Suitable for ground contact

**MOVEMENT**
TruExterior® products offer a high level of dimensional stability, eliminating many of the movement-related issues seen in other siding and trim products.
- Installation is the same regardless of the season
- No need for special paints
- No limitations on paint colors

**OUR PRODUCT OFFERING**
With a complete offering of 4/4, 5/4 and 2x trim, accessories, beadboard and siding, TruExterior® Siding & Trim has everything you need to create a polished and professional installation.
- Siding
- Beadboard
- Trim
- Accessories

<table>
<thead>
<tr>
<th>1X Trim Sizes</th>
<th>5/4 Trim Sizes</th>
<th>2X Trim Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal</td>
<td>Actual</td>
<td>Nominal</td>
</tr>
<tr>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>1 x 3</td>
<td>3/4&quot; x 2-1/2&quot;</td>
<td>5/4 x 3</td>
</tr>
<tr>
<td>1 x 4</td>
<td>3/4&quot; x 3-1/2&quot;</td>
<td>5/4 x 4</td>
</tr>
<tr>
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<td>3/4&quot; x 4-1/2&quot;</td>
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<td>3/4&quot; x 5-1/2&quot;</td>
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<td>3/4&quot; x 9-1/4&quot;</td>
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</tr>
<tr>
<td>1 x 12</td>
<td>3/4&quot; x 11-1/4&quot;</td>
<td>5/4 x 12</td>
</tr>
</tbody>
</table>

TruExterior® Trim is reversible with woodgrain on one side and a smooth finish on the reverse. Available in 16’ and 12’ lengths.

Available Finishes: (reversible)

*Please see TruExterior® Siding & Trim Limited Warranties and Product Data Sheets for proprietary test results, located at TruExterior.com.
Accessories

TruExterior® Siding & Trim Accessories make it easy to create polished, professional-looking siding and trim installations. Decorative yet functional, the poly-ash accessories are designed to go where other materials can't, making them the perfect complement to cedar, fiber cement and other traditional siding products, as they are suitable for ground, roofline and masonry contact.

**SKIRT BOARD**
Provides a decorative yet functional way to create the required clearance between siding and grade.

**Available Finishes:**
(not reversible)

- smooth
- wood grain

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Actual Thickness (A)</th>
<th>Actual Width (B)</th>
<th>Tongue (C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 x 6</td>
<td>0.75&quot;</td>
<td>5.50&quot;</td>
<td>1.0&quot;</td>
</tr>
<tr>
<td>1 x 8</td>
<td>0.75&quot;</td>
<td>7.25&quot;</td>
<td>1.0&quot;</td>
</tr>
<tr>
<td>5/4 x 6</td>
<td>1.0&quot;</td>
<td>5.50&quot;</td>
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</tr>
<tr>
<td>5/4 x 8</td>
<td>1.0&quot;</td>
<td>7.25&quot;</td>
<td>1.0&quot;</td>
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</tbody>
</table>

**WINDOW POCKET RABBETED TRIM**
The rabbeted groove helps trim to sit flush over the window's nailing flange, eliminating the need for cuts or shims.

**Available Finishes:**
(not reversible)

- smooth
- wood grain

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Actual Thickness (A)</th>
<th>Actual Width (B)</th>
<th>Window Pocket (W x W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/4 x 4</td>
<td>1.0&quot;</td>
<td>3.50&quot;</td>
<td>0.187&quot; x 1.88&quot;</td>
</tr>
<tr>
<td>5/4 x 6</td>
<td>1.0&quot;</td>
<td>5.50&quot;</td>
<td>0.187&quot; x 1.88&quot;</td>
</tr>
<tr>
<td>5/4 x 8</td>
<td>1.0&quot;</td>
<td>7.25&quot;</td>
<td>0.187&quot; x 1.88&quot;</td>
</tr>
</tbody>
</table>
### SIDING POCKET RABBETED TRIM

Perfect for end wall terminations, this trim with a 3/4" siding pocket accepts all TruExterior® Siding profiles.

**Available Finishes:**
(not reversible)

- **smooth**
- **woodgrain**

### WINDOW AND SIDING POCKET RABBETED TRIM

The ultimate accessory to build a neat, professional-looking window surround.

**Available Finishes:**
(not reversible)

- **smooth**
- **woodgrain**

---

<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Actual Thickness (A)</th>
<th>Actual Width (B)</th>
<th>Siding Pocket (S' x S')</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/4 x 3</td>
<td>1.0&quot;</td>
<td>2.50&quot;</td>
<td>0.75&quot; x 0.75&quot;</td>
</tr>
<tr>
<td>5/4 x 4</td>
<td>1.0&quot;</td>
<td>3.50&quot;</td>
<td>0.75&quot; x 0.75&quot;</td>
</tr>
<tr>
<td>5/4 x 5</td>
<td>1.0&quot;</td>
<td>4.50&quot;</td>
<td>0.75&quot; x 0.75&quot;</td>
</tr>
<tr>
<td>5/4 x 6</td>
<td>1.0&quot;</td>
<td>5.50&quot;</td>
<td>0.75&quot; x 0.75&quot;</td>
</tr>
<tr>
<td>5/4 x 8</td>
<td>1.0&quot;</td>
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<td>0.75&quot; x 0.75&quot;</td>
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<table>
<thead>
<tr>
<th>Nominal Size</th>
<th>Actual Thickness (A)</th>
<th>Actual Width (B)</th>
<th>Window Pocket (W' x W')</th>
<th>Siding Pocket (S' x S')</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/4 x 4</td>
<td>1.0&quot;</td>
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<td>0.75&quot; x 0.75&quot;</td>
</tr>
</tbody>
</table>
4x4 Quattro™ Cedar Posts - Terminal

Write a Review

Item #: WD-Post-Tm-4x4-QTR
Base Price: $82.15
Railing Height: 44in w/ 11 holes for 38in Railing (G)
Hole Size: Choose One

ALL POSTS ARE OVERSIZED AND MUST BE CUT DOWN ON JOB SITE.

All wood products are subject to our Special Terms for Wood Orders.

Availability: Usually ships in 3-4 business days

Quantity: 1

ADD TO CART

Customer Reviews

"It looks great! The railing system is on a $3 million home near the ski resorts..."

D.K. - Salt Lake City, UT

"I'm very pleased with the quality and strength. Everything fits and went together easily. I was very happy with the way your company takes the time to carefully wrap and pack the railing posts..."

E.N. - San Diego, CA

Read more reviews on Houzz

Customer Photo Offer!

Get a $25 Starbucks Gift Card by submitting us a few large, high resolution photos of your finished SC&R railing.

Terminal Wood Post

You May Also Need

4x4 Quattro™ Cedar Posts - Intermediate
Price: $82.15

Western Red Cedar Top Rail - 2x4 Clear Grain
Price: $37.44

Western Red Cedar Top Rail - 2x6 Clear Grain
Price: $124.32

Post Hex Bolt Attachment Hardware
Price: $0.55

10x3" Square Drive Deck Screw
Price: $0.25

DT722 Pack Post Connector
Price: $8.95

4x4 Quattro™ Cedar Posts - Intermediate
Price: $82.15

Balau Mahogany Posts - Terminal
Price: $90.20

Western Red Cedar Top Rail - 2x4 Clear Grain
Price: $37.44
IPE DECKING
The Gold Standard in Decking

IPE SPECS Everything You Need to Know

Common Name Ipe

Scientific/Botanical Name *Tabebuia* spp. (Lapacho group)

Additional Names Ipe is also known as:

- Brazilian Walnut
- Amapa
- Cortez
- Guayacan Polvillo
- Flor Amarillo
- Greenheart
- Madera Negra
- Tahuari
- Lapacho Negro
Origin South America (specifically Brazil), Central America, the Lesser Antilles. The tabebuia tree can be found in a diverse number of areas.
with a diameter between 2 to 3 feet.

**Common Uses** Ipe is often used for:

- Decking
- Flooring
- Siding
- Docks
- Interior wall panels
- Sunrooms

**Moisture Content** Air dried to approximately 12% for use on exterior projects. It is highly recommended to use kiln-dried ipe for interior areas that will be exposed to artificial heat and/or air-conditioning. Consult with us about adequate moisture content levels for your area.

**Working Properties** Here are a few things to keep in mind when working with ipe:

- Blunting effect on cutters
- Routes nicely
- Use carbide-tipped saw blades
- Predrilling required
- Stainless steel hardware required

**Durability** If left untreated ipe wood decking will last 40+ years. When a deck oil / finish is applied to all four sides prior to installation, an ipe deck can last up to 100 years. The USFPL (United States Forest Products Lab) classified ipe decking as "Very Durable" (their highest rating).

Ipe decking resists:

- Termites
- Cupping
- Bending
- Decay
- Fungi
**Weight** Ipe wood decking has specific gravity of 0.85 to 1.08. Air dried density is 66 to 75 lbs. per cubic ft. A 3/4” thick finish material weights approx. 4.5 lbs. per sq ft.

**Drying and Contraction (Green to Klin-Dried)** Radial 8.6%, tangential 8.0%, volumetric 13.2%. Small movement after being milled. As the weather changes, average movement for an air-dried deck board about 6” wide is roughly 1/16”.

**Hardness** Ipe hardwood has a Janka Hardness Rating of 3,680 lbs with air-dried decking and 12% moisture content. When tested (ASTM-D143), an ipe deck is around eight times harder than California redwood and three times stronger than teak. Ipe decking holds up even in harsh climates and extreme conditions.

**U.S. Naval Research Laboratory Termite Resistance** Highest Rating

**Fire Resistance** Tested by the National Fire Protection Agency (ASTM-E84). Ipe wood decking received the highest classification for Flame Spread: Up to Class A, Uniform Building Code, Class 1.

**Slip Resistance** Our ipe decking exceeds the Americans with Disabilities Act requirements for Static Coefficient of friction in a wet environment. Ipe wood decking has also met the ASTM-C1028-89 test requirements as well.

**Strength** Three times stronger than Cedar, our inventory of ipe decking exceeds all existing code requirements for exterior constructions and has been ASTM-D143 tested. An ipe deck will be able to structurally handle many square feet of snow!
LANDMARK® PRO
The Expert's Choice

Shown In Max Def Driftwood
Introducing More Value

Landmark® Pro is designed specifically for the professional roofing contractor that takes pride in providing more to their customer.

Landmark® Pro improves upon the CertainTeed Landmark shingle, a leading consumer publication's “Best Buy” for the past five years.

We started by adding more weathering asphalt to the industry's toughest fiberglass mat to provide more protection. Then we incorporated our Maximum Definition color blend technology to give the product more vibrancy on the roof. Included is the proven performance of our NailTrak™ feature, enabling faster installation.

Landmark Pro offers the industry's strongest warranty. Protecting your reputation and safeguarding homeowners from manufacturing and aesthetic defects.

LANDMARK PRO STANDARD WARRANTY
• Lifetime Limited Warranty
• 10-years of SureStart™ protection
• 15-year 110 MPH wind warranty (Upgrade to 130 MPH available. CertainTeed starter and CertainTeed hip and ridge required.)
• 15-year StreakFighter® algae resistance warranty

Add it all up and what you get is the opportunity to offer a lot of additional value for the money... and today that means more than ever.

Landmark Pro specifications:
• 250 lbs/square
• Premium Max Def color palette
• NailTrak for faster installation
• Lifetime limited warranty
• 15-year algae resistance
• 10-year SureStart protection includes:
  - Materials, labor, tear off and disposal cost
• 15-year 110 MPH wind warranty with upgrade to 130 MPH available

Landmark specifications:
• 234 lbs/square
• Traditional color palette
• NailTrak for faster installation
• Lifetime limited warranty
• 10-year algae resistance
• 10-year SureStart protection includes:
  - Materials and labor costs
• 15-year 110 MPH wind warranty with upgrade to 130 MPH available
Max Def Colors

Look deeper. With Max Def, a new dimension is added to shingles with a richer mixture of surface granules. You get a brighter, more vibrant, more dramatic appearance and depth of color. And the natural beauty of your roof shines through.

Landmark Pro Silver Birch® is an ENERGY STAR® rated product and may qualify for a federal tax credit.
Wider. Faster. Proven.

For the past 10 years, NailTrak™ has enabled installers to shingle with improved speed and accuracy. With a nailing area that's three times WIDER than typical laminate shingles, nails hit home with NailTrak. A feature on all Landmark® Series shingles. Speed and accuracy result in lower labor costs.

No leaks. No de-lamination. No callbacks. The cost of doing business has gone down with NailTrak.

NAILTrak

Typical Laminate

1-1/2" Nailing Area

Typical Nailing Area

FRONT

BACK

UNDERSIDE OF TOP

Wide nailing area for increased speed and accuracy.

Sealant placed low to avoid gumming up nail guns.

Specially formulated Quadra-Bond adhesive adheres the two-piece laminate shingle.

Landmark® Pro available in areas shown

CertainTeed Corporation
ROOFING - SIDING - TRIM - DECKING - RAILING - FENCE - GYPSUM - CEILINGS - INSULATION
20 Moores Road Malvern, Pa 19355 Professional: 800-233-8990 Consumer: 800-782-8777 certainteed.com

©01/99 CertainTeed Corporation, Printed in the USA No. 20-20-3289
C  SIDE (EAST) - EXISTING
1\(\frac{1}{8}'' = 1'-0''\)

D  SIDE (EAST) - PROPOSED
1\(\frac{1}{8}'' = 1'-0''\)

METAL CHIMNEY FLUE

SMALLER DECK & STAIR

NEW CABLE RAIL @ EXIST. DECK

CHANGE DOOR TO TWO WINDOWS

NEW DECK & STAIR - REPLACES EXISTING DECK & STAIR

EXISTING GARAGE BEYOND
E REAR (NORTH) - EXISTING

F REAR (NORTH) - PROPOSED

METAL CHIMNEY FLUE

ALL ELSE EXISTING NOT CHANGED

SMALLER DECK & STAIR REPLACES EXIST DECK & STAIR

SCREENED PORCH BELOW DECK

TALLER WINDOWS C

CABLE RAILING REPLACES EXISTING PICKET RAILINGS (ON REAR OF HOUSE ONLY)

EXISTING UPPER DECK REMAINS

LINE OF EXIST GARAGE IN FOREGROUND

EXISTING SCREEN PORCH ENCLOSED

TREACY & EAGLEBURGER ARCHITECTS

TAYLOR
4721 CUMBERLAND AVENUE
CHEVY CHASE, MD 20815

HAWP REVIEW
EXIST & PROPOSED
1/16" = 1'-0"
2009.11.08

3135 CONNECTICUT AVENUE, NW • WASHINGTON, DC 20008
PHONE: 202-362-4526 • FAX: 202-362-7791

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