



Historic District Commission MEETING AGENDA

Monday, November 13, 2023 - 6:00 PM
Council Chambers, Easton Town Office
14 S Harrison Street

Call to Order

- 1) Approval of the Agenda for the November 13, 2023 meeting.

Old Business

- 1) **Application Number:** 2023 - 1053
Applicant: Marasun Roofing LLC
Location: 146 S. Washington Street
Tax Map 104, Grid 0EA, Parcel 1973
Zoning District: R-10A
Request: In-Kind Roof Replacement.
- 2) **Application Number:** 2023 - 894
Applicant: Charles and Lois Garrison
Location: 16 N. Aurora Street
Tax Map 103, Grid 0EA, Parcel 1128
Zoning District: R-7A
Request: Amendment to Previously Approved Window Replacement.
- 3) **Application Number:** 2023-881
Applicant: A.K.J. Roofing Inc.
Location: 11 N. Washington Street
Tax Map 104, Grid 0EA, Parcel 1232
Zoning District: GI
Request: Roof Replacement on East Wing.
- 4) **Application Number:** 2022 - 586
Applicant: Town of Easton
Location: 11 S. Harrison Street
Tax Map 104, Grid 000, Parcel 1526
Zoning District: CB
Request: COA Extension for Previously Approved Door Installation.

- 5) **Application Number:** 2023 - 1030
 Applicant: Walbridge Real Estate Investments LLC
 Location: 412 North Street
 Tax Map 103, Grid 0EA, Parcel 0733
 Zoning District: R-7A
 Request: Window Replacement.
- 6) **Application Number:** 2023 - 1022
 Applicant: Scott Reynolds
 Location: 610 Goldsborough Street
 Tax Map 103, Grid 0EA, Parcel 0958
 Zoning District: R-7A
 Request: Amendment to a Previously Approved
 Fence Installation.

New Business

- 1) **Application Number:** 2023 - 1061
 Applicant: Oasis Easton
 Location: 215 Goldsborough Street
 Tax Map 103, Grid 0EA, Parcel 0069
 Zoning District: R-7A
 Request: In-Kind Roof Replacement.
- 2) **Application Number:** 2023 - 1047
 Applicant: Treasa Kirby Lednum
 Location: 633 Goldsborough Street
 Tax Map 103, Grid 0EA, Parcel 0777
 Zoning District: R-7A
 Request: Tree Removal.
- David Piver, Davey Tree Expert
 Company
 MD LTE No. 00572
 ISA Certified Arborist MA-4038
- 3) **Application Number:** 2023 - 1072
 Applicant: Neil Jones Carpentry
 Location: 112 N. Park Street
 Tax Map 103, Grid 0EA, Parcel 0801
 Zoning District: R-10A
 Request: Window Replacement.

Discussion Item

- 1) Missing Middle Housing Types.
- 2) October 23, 2023 Consent Docket approval for emergency HVAC installation at 414 August Street.

Approval of Minutes.

- 1) Approval of the Draft Decision Summary from the October 23, 2023 meeting.

Administrative Approval

- 1) **Application Number:** 2023 - 1065
Applicant: Perez Home Improvement
Location: 606 Goldsborough Street
Tax Map 103, Grid 0EA, Parcel 0959
Zoning District: R-7A
Request: In-Kind Asphalt Roof Replacement.

Consent Docket

- 1) **Application Number:** 2023 - 1068
Applicant: P.A. Construction, LLC
Location: 129 N. Washington Street - Parker Counts
Tax Map 104, Grid 0EA, Parcel 0621
Zoning District: CB
Request: **EMERGENCY APPROVAL** for Emergency Roof Replacement. *(as per the Historic District Commission Chairperson)*

Adjournment.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 146 S Washington Street

Application Number: 2023-1053

Request: Roof and Gutter Replacement

Staff Recommendation: Approve ☐ Deny ☐ Table ☒

Staff Comments:

The applicant is proposing an in-kind asphalt shingle roof replacement with GAF Timberline HDZ shingles. The existing trim, fascia, and soffit will remain however the existing half-round style gutters will be replaced with K-style gutters. This is a contributing structure to the historic district.

Historic District Guidelines:

Guideline 70. Roof Material

- a. Retain and repair visible historic roofing materials where feasible.
- b. Where total replacement of all roofing material is required, the new roofing should match the existing material or be a roofing material that is consistent with the building's architectural style.
- c. Heavy-weight architectural shingles are preferred when existing asphalt shingles are replaced.

Guideline 73. Replace Historic Gutters and Downspouts In-Kind

- a. Replace deteriorated or damaged gutters and downspouts in-kind.
- b. Half-round gutters and round downspouts are appropriate for most buildings in the Historic District.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

STAFF RECOMENDATION:

Staff supports a HDC **continuation** of the application. Since Guideline 73 places a clear preference on the in-kind replacement of gutters and the use of half-round style gutters, K-style gutters may not be appropriate for this structure. The HDC may wish to continue this application pending a revised application for half-round style gutters and downspouts. Alternatively, the applicant could remove the gutter replacement from the scope of work and proceed with the in-kind asphalt shingle roof replacement.

DRAFT MOTIONS:

1. I move that the Historic District Commission **table** the application pending the submittal of revised application using half-round style gutters and downspouts.

OR

2. I move that the Historic District Commission deny the application based on the following finding that the proposed application is inconsistent with Guideline 73.

OR

3. I move an alternate motion.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

EASTON HISTORIC DISTRICT SURVEY

PROPERTY #:

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101004212		146 S WASHINGTON ST		WENNESON, ROBERT C			
YEAR BUILT		PHYSICAL CONDITION					
1890		VERY GOOD					
ARCHITECTURAL STYLE				ADDITION(S)			
QUEEN ANNE INFLUENCE				NONE APPARENT			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				B		Y	
NOTES							
NICELY PRESERVED/RESTORED. 2/2 WOODEN WINDOWS; FISH SCALE SHINGLES IN GABLES DECORATIVE SCROLLWORK UNDER PROJECTING SIDE BAYS. OUTBUILDING OF UNDETERMINED AGE.							



RECEIVED

OCT 06 2023

TOWN OF EASTON
PLANNING AND ZONING TOWN OF EASTON
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #: 2023-1053
Date Received: 10/06/2023
Fee Paid: \$25
HDC Meeting Date: 11/13/2023
Date Property Posted: -

HISTORIC DISTRICT COMMISSION HEARING APPLICATION**APPLICATION TYPE**
(PLEASE CIRCLE)

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

146 S. Washington St. Easton, MD 21601

☐ Contributing☐ Non-Contributing

YEAR BUILT:

1890

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

Jason Straczewski

TELEPHONE NO.

703-801-0881

EMAIL

jstraczewski@gmail.com

Applicant or Agent

NAME

Marasun Roofing

TELEPHONE NO.

410-226-6212

EMAIL

bonnie@marasunllc.com

Description of Proposal (include additional sheets, as necessary) design@marasunllc.com

Full Roof Replacement (3DSQ): Remove existing asphalt shingles & replace w/ in kind asphalt shingles using GAF Timberline HDZ. If rotted decking is discovered during the removal of the current roof system, we will replace w/ new decking. Trim, Fascia, Soffit & gutters will remain in place.

Specific Requirements

* Existing half round gutters to be replaced with 6" K-style gutters.

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 3 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.
If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.
Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

10/3/2023
John "BP" Marrak

Revised 4.4.2022

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - Windows
 - Doors
 - Trim, fascia, soffit, etc
 - Decking/ porch flooring materials
 - Roofing Materials, gutters

Windows

Restoration of existing windows is the Commissions first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ☐ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☐ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Materials for the windows must be clearly identified on the cut sheet
- ☐ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☒ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☒ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☒ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details

Real Property Data Search ()
Search Result for TALBOT COUNTY

[View Map](#)

[View GroundRent Redemption](#)

[View GroundRent Registration](#)

Special Tax Recapture: None

Account Identifier: District - 01 Account Number - 004212

Owner Information

Owner Name: STRACZEWSKI JASON A Use: RESIDENTIAL
STRACZEWSKI GRETCHEN P Principal Residence: YES
Mailing Address: 146 S WASHINGTON ST Deed Reference: /02737/ 00480
EASTON MD 21601

Location & Structure Information

Premises Address: 146 S WASHINGTON ST Legal Description: LOT 10 - 4,459 SF
EASTON 21601-0000 146 E/S S WASHINGTON ST
EASTON

Map:	Grid:	Parcel:	Neighborhood:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:
0104	000EA	1973	1270013.21	0000				2022	Plat Ref: 88/ 20

Town: EASTON

Primary Structure Built	Above Grade Living Area	Finished Basement Area	Property Land Area	County Use
1890	2,075 SF		4,459 SF	

Stories	Basement	Type	Exterior	Quality	Full/Half Bath	Garage	Last Notice of Major Improvements
2	NO	STANDARD UNIT	FRAME/	6	2 full/ 1 half	1 Detached	

Value Information

	Base Value	Value	Phase-In Assessments	As of
		As of	As of	As of
		01/01/2022	07/01/2023	07/01/2024
Land:	150,000	156,000		
Improvements	261,000	329,100		
Total:	411,000	485,100	460,400	485,100
Preferential Land:	0	0		

Transfer Information

Seller:	Date:	Price:
WENNESON ROBERT C TRUSTEE	08/21/2020	\$495,000
Type: ARMS LENGTH IMPROVED	Deed1: /02737/ 00480	Deed2:
Seller: WENNESON ROBERT C	Date: 01/13/2017	Price: \$0
Type: NON-ARMS LENGTH OTHER	Deed1: /02416/ 00339	Deed2:
Seller: PENINSULA ACQUISITIONS LLC	Date: 03/03/2003	Price: \$322,000
Type: ARMS LENGTH IMPROVED	Deed1: /01129/ 00308	Deed2:

Exemption Information

Partial Exempt Assessments:	Class	07/01/2023	07/01/2024
County:	000	0.00	
State:	000	0.00	
Municipal:	000	0.00 0.00	0.00 0.00

Special Tax Recapture: None

Homestead Application Information

Homestead Application Status: Approved 02/10/2021

Homeowners' Tax Credit Application Information

Homeowners' Tax Credit Application Status: No Application Date:

GUTTER REPLACEMENT PROPOSAL

SEP 29, 2023

Project #15283898797

MARASUN
roofing | siding | windows | gutters | solar



JASON STRACZEWSKI

jstraczewski@gmail.com

703-801-0881

146 S. Washington St.

Easton, MD

21601



We can help you with

Roofing, Siding, Windows, Gutters, & Solar
913 S. Talbot Street St. Michaels, MD 21663

hello@marasunllc.com
(410) 226-6215

INSPECTION



This is the upper roof and it shows an advanced level of granule loss. We believe this to be the original color of the shingles.



This is the porch and it is in worse condition. The color difference on the porch is granule loss and algae growth blackening up the shingles.



This is the second story and you can see severe granule loss on the ridge caps.



This is the main ridge of the roof with severe granular loss.

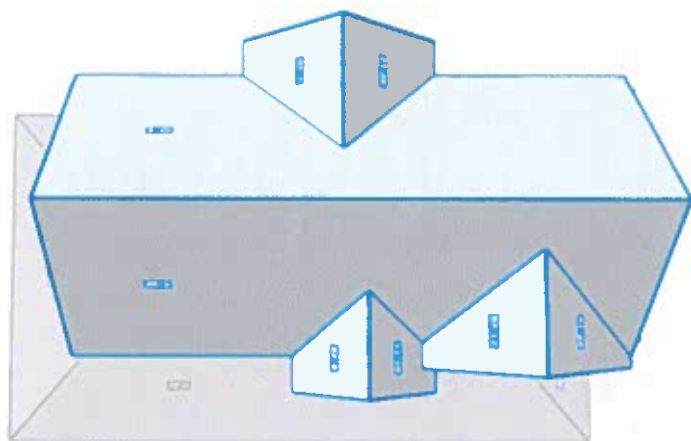


This is how your existing gutters are installed. We will not be screwing through the roof.



This roof has had a few repairs in it's history.

PROPOSED SOLUTION



On the first proposal for the upper roof in blue to the left, we are proposing to remove your existing shingles and inspect your decking for any rotted wood. We will replace any rotted decking at a charge of \$75 per sheet, including labor.

We will install Ice and Watershield, an adhesive backed Rolled Asphalt product at the eaves, valleys, all areas with flashing and all penetrations.

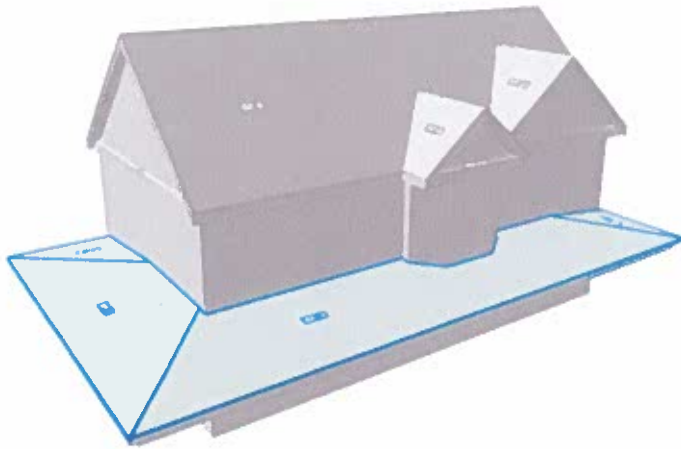
We will then install drip edge on the rakes and eaves of the house.

We will then cover the rest of the roof with Synthetic Underlayment. At this point, the roof is dried in.

We will then install Starter Shingles on eaves of the roof to improve the wind resistance of your new roof.

We will then install the Shingle System.

After the shingles are installed, we will install Hip and Ridge Shingles.



On the second proposal for the porch roof as shown to the left, We are proposing to remove your existing shingles and inspect your decking for any rotted wood. We will replace any rotted decking at a charge of \$75 per sheet, including labor.

We will install Ice and Watershield, an adhesive backed Rolled Asphalt product at the eaves, valleys, all areas with flashing and all penetrations.

We will then install drip edge on the rakes and eaves of the house.

We will then cover the rest of the roof with Synthetic Underlayment. At this point, the roof is dried in.

We will then install Starter Shingles on eaves of the roof to improve the wind resistance of your new roof.

We will then install the Shingle System.

After the shingles are installed, we will install Hip and Ridge Shingles.

































TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 16 N Aurora Street

Application Number: 2023-894

Request: Windows

Staff Recommendation: Approve ☐ Deny ☐ Table ☐

Staff Comments:

In April of 2023, the Historic District Commission approved the replacement of four aluminum clad windows that were damaged by a falling tree. That approval was conditioned upon “the exterior trim being replaced in-kind with wood.” The applicant is now proposing to use AZEK trim on two of the new windows on the front facade. This is a contributing structure to the Historic District.

Historic District Guidelines:

Guideline 90. Sills, Lintels, and Frames

- a. Retain original sills, frames, lintels, and associated window trim and ornamentation.
- b. Do not wrap sills or frames in any materials (sheet metal, vinyl, etc.).
- c. Avoid adding details, surrounds, shutters, ornamentation and other features that have no historical basis and are not in keeping with the character of the original window.
- d. When historic sills, lintels, surrounds, or trim requires replacement, it should be made in-kind using the same or similar material and replicating the form, profile, color, and texture of the original unit.

Analysis – Guideline 90d states that trim should be replaced in-kind using “the same or similar material.” The Commission is tasked with determining whether AZEK is a similar material to historic wood trim and adequately replicates the trim in form, profile, color, and texture.



TOWN OF EASTON
PLANNING & ZONING
 14 S Harrison Street, Easton MD 21601

EXAMPLE MOTIONS

1. I move that the Historic District Commission **deny** the amended application based on the finding that the proposed window trim does not adequately replicate historic wooden trim.

OR

2. I move that the Historic District Commission approve the application as submitted.

OR

3. I move an alternate motion.

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101025104		16 N AURORA ST		O'BRIEN, STEPHEN N			
YEAR BUILT		PHYSICAL CONDITION					
1890		EXCELLENT					
ARCHITECTURAL STYLE				ADDITION(S)			
DUTCH COLONIAL REVIVAL				REAR SUNROOM			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				A		Y	
NOTES							
EXCELLENT AND WELL PRESERVED EXAMPLE OF A RELATIVELY UNUSUAL EASTON BUILDING TYPE. VERY INTERESTING DECORATIVE DORMER TREATMENT. NO OUTBUILDINGS.							

OCT 24 2023

TOWN OF EASTON



TOWN OF EASTON

PLANNING AND ZONING

14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #: 2023-894
 Date Received: 10/24/2023
 Fee Paid: -
 HDC Meeting Date: 11/13/2023
 Date Property Posted: 11/06/2023

AMENDMENT

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE
(PLEASE CIRCLE)

AMENDMENT TO Application # 2023-0894

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS REPLACEMENT WINDOWS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

16 NORTH AURORA ST, EASTON

☒ Contributing☐ Non-Contributing

YEAR BUILT:

c. 1890

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

CHARLES W. & LOIS EMMERSON GARRISON

TELEPHONE NO.

301-602-4808

EMAIL

SGAWG3@GMAIL.COM

Applicant or Agent

NAME

TELEPHONE NO.

EMAIL

Description of Proposal (include additional sheets, as necessary)

REPAIR AND REPLACEMENT OF FRONT WINDOWS DAMAGED BY T.O.E. TREE FALLING INTO FRONT OF HOUSE. THE TWO LOWER FRONT WINDOWS WERE SPECIAL ORDER + ARRIVED ON @ 9/30/23. WORK TO BEGIN @ 10/31/23. CONTRACTOR RECOMMENDS THAT TRIM ON 2 LOWER FRONT ALUMINUM CLAD WINDOWS BE AZEK FOR DURABILITY AND STRUCTURAL INTEGRITY PURPOSES - HNC ORIGINAL

Specific Requirements APPROVAL CANGA FOR WOOD REPLACEMENT TRIM. AS THERE IS NO VISUAL DIFFERENCE BETWEEN PAINTED WOOD & AZEK, WE ARE REQUESTING APPROVAL OF AMENDED APPLICATION WITH WOOD TRIM CONDITION REMOVED.

- The payment of fees is due at the time of application submittal. As of December 27, 2022, the fees are as follows:

Commercial - \$200	Residential - \$75	Signs - \$75	Staff Approval \$25
--------------------	--------------------	--------------	---------------------
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or with wood trim condition removed.

HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

10-27-23
 CHARLES W. GARRISON

Revised 4.4.2022





Town of Easton
Planning and Zoning
14 S. Harrison Street Easton, MD 21601 410-822-1943
HISTORIC DISTRICT COMMISSION
CERTIFICATE OF APPROPRIATENESS

Meeting Date: 4/10/2023
Application Number: 2023-0894
Location: 16 N Aurora Street
Applicant: Charles and Lois Garrison

Request: The applicant is proposing to replace three damaged aluminum clad windows on the front façade of the house that were damaged by a falling tree; and one aluminum clad window on the south façade of the house. The proposed replacement windows are aluminum clad, double hung windows with the same number of lights as the existing. The proposed windows are of a slightly different dimension than existing due to supplier issues. This is a contributing building to the Historic District.

Historic District Guideline references:

- i. Guideline 90. Make Sensitive Replacements (Windows)*
- ii. Appendix B.2. Common Substitute Materials for Windows*

Commissioner Sebastian moved to approve the application with the condition that the exterior trim shall be replaced in kind with wood. Vice Chairperson Brophy seconded the motion.

Vote 5-0

FOR: 5- Demby, Brophy, Bateman, Pezor, Sebastian

If the scope of work changes and or the materials and methods used are contrary to that understood by the application and any supplemental information provided, the work shall not continue until such time that the Commission is notified and said differences are considered and approved by the Commission.

"A Certificate of Appropriateness shall lapse upon the expiration of the corresponding Building Permit. For applications that require a building permit but for which none is issued, this Certificate of Appropriateness shall lapse six (6) months after issuance. In the event a building permit is not required, the Certificate of Appropriateness shall lapse six (6) months from its issuance if substantial work is not underway. For good cause shown, this period may be extended by the Commission".

Prior to start of work please contact the Building Inspection Department at 410 822 2525 to ensure all required building permits have been obtained.

Nicholas H. Johnson
Representative, Historic District Commission

4/25/2023
Date



RECEIVED

MAR 15 2023

TOWN OF EASTON

PLANNING AND ZONING

TOWN OF EASTON

14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #: 2023-894
Date Received: 03/15/2023
Fee Paid: \$75
HDC Meeting Date: 04/10/2023
Date Property Posted: 04/03/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

Window
REPLACEMENTS

PROPERTY INFORMATION

ADDRESS

☒ Contributing

☐ Non-Contributing

YEAR BUILT @ 1890

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

TELEPHONE NO.

EMAIL

Applicant or Agent

NAME

TELEPHONE NO.

EMAIL

Description of Proposal (include additional sheets, as necessary)

REPLACE 2 Double Hung Windows (Lower) ON FRONT FACADE
REPLACE 1 Double Hung Window (2ND FLOOR) ON FRONT FACADE
REPLACE 1 Double Hung Window (SIDE) ON ~~WEST~~ NORTH FACADE
NOTE: THE 3 FRONT WINDOWS WERE DAMAGED WHEN A 75'
MAPLE TREE ON T.O.E. PARKING STRIP PROPERTY FELL OVER IN A
STORM ON 8/4/22 AND DAMAGED THE FRONT OF HOUSE + LANDSCAPE

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 3 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

Revised 4.4.2022

HISTORIC DISTRICT COMMISSION HEARING APPLICATION SUPPLEMENT TO APPLICATION SUBMITTED BY CHARLES W. AND LOIS ELLEN GARRISON 03/15/2023

On 08/04/2022 a 75 foot maple tree owned by the Town of Easton toppled down in a windstorm, falling from the North Aurora Street parking strip and coming to rest against our house. The tree caused damage to the main roof of the house, a roof over the front porch, porch railings and brick floor, siding, landscaping and three double hung windows on the front of the house.

Because of the age of the windows (20 years) and their condition, they can not be repaired and must be replaced. All of the windows are Marvin windows. The two lower windows are 103.5 inches tall and Marvin no longer manufactures and will not custom make replacement inserts. As a result, we need to install Marvin Ultimate Double Hung G2 new construction window units as described in the attached manufacturer's specification sheets. The upper front window is not as tall as the lower front windows, and Marvin does make an insert for the shorter windows. Specification sheets for these window inserts are attached.

Although not damaged by the tree, the lower side window on the August Street side (south) has moisture damage due to defective seals, and we intend to replace this window insert when the work is done on the front windows. Marvin does make inserts that fit this window (see attached spec sheet).

All four windows will have pine interiors and be clad with stone white aluminum. The current windows being replaced are all pine interiors with stone white aluminum cladding. The two lower front windows will be finished with trim similar in dimension and profile to existing trim.

UNIT SUMMARY

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes.

Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

NUMBER OF LINES: 1	TOTAL UNIT QTY: 2
--------------------	-------------------

LINE	MARK UNIT	PRODUCT LINE	ITEM	QTY
1	Right Of Entry	Ultimate	Double Hung G2 RO 35" X 102"	2

LOWER FRONT 2 WINDOWS

LOWER FRONT 2 WINDOWS

LINE ITEM QUOTES

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes. Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

Line #1	Mark Unit: Right Of Entry			
Qty: 2				

MARVIN 



As Viewed From The Exterior

MO 34 1/2" X 101 3/4"

FS 34" X 101 1/2"

RO 35" X 102"

Egress Information

Width: 30 13/32" Height: 45 25/64"

Net Clear Opening: 9.58 SqFt

Sash Limiters and Window Opening Control Devices, when engaged, may reduce the egress opening dimensions of windows.

Performance Information

U-Factor: 0.29

Solar Heat Gain Coefficient: 0.16

Visible Light Transmittance: 0.36

Condensation Resistance: 56

CPD Number: MAR-N-425-17197-00001

ENERGY STAR: NC, SC, S

Performance Grade

Licensee #1127

AAMA/WDMA/CSA/101/ I.S.2/A440-08

LC-PG50 1251X2731 mm (49.3X107.5 in)

LC-PG50 DP +50/-50

FL17635

Paint Specification

Clad Exterior Color: AAMA 2605

Stone White Clad Exterior
Primed Pine Interior
Back Prime
Ultimate Double Hung G2
Frame Size 34" X 101 1/2"
Rough Opening 35" X 102"
Top Sash
Stone White Clad Sash Exterior
Primed Pine Sash Interior
IG
Low E3 w/Argon
Black Perimeter and Spacer Bar
1 1/8" SDL - With Spacer Bar - Black
Rectangular - Special Cut 2W1H
Stone White Clad Ext - Primed Pine Int
Ogee Interior Glazing Profile
Bottom Sash
Stone White Clad Sash Exterior
Primed Pine Sash Interior
IG
Tempered Low E3 w/Argon
Black Perimeter and Spacer Bar
1 1/8" SDL - With Spacer Bar - Black
Rectangular - Special Cut 2W1H
Stone White Clad Ext - Primed Pine Int
Ogee Interior Glazing Profile
White Interior Weather Strip Package
White Exterior Weather Strip Package
White Non-Tilt Sash Lock
White Top Sash Strike Plate Assembly Color
White Window Opening Control Device
Extruded Aluminum Screen
Stone White Surround
Bright View Mesh
***Screen/Combo Ship Loose
4 9/16" Jambs
Nailing Fin
***Note: Unit Availability and Price is Subject to Change

UNIT SUMMARY

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes.

Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

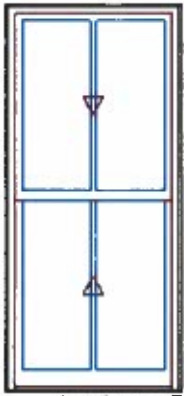
NUMBER OF LINES: 2

TOTAL UNIT QTY: 2

LINE	MARK UNIT	PRODUCT LINE	ITEM	QTY
1		Ultimate	Double Hung Insert G2 IO 35 1/8" X 84 15/64"	1
2		Ultimate	Double Hung Insert G2 IO 35 3/8" X 77 15/64"	1

Top Front + Side Windows

TOP FRONT WINDOW



As Viewed From The Exterior

FS 35" X 77 1/2"

IO 35 3/8" X 77 15/64"

Egress Information

Width: 31 5/16" Height: 33 11/16"

Net Clear Opening: 7.33 SqFt

Performance Information

U-Factor: 0.3

Solar Heat Gain Coefficient: 0.16

Visible Light Transmittance: 0.36

Condensation Resistance: 56

CPD Number: MAR-N-441-00334-00001

ENERGY STAR: NC, SC, S

Performance Grade

Licensee #1149

AAMA/WDMA/CSA/101/I.S.2/A440-11

LC-PG50 1153X2215 mm (45.38X87.19 in)

LC-PG50 DP +50/-50

FL28134

Paint Specification

Clad Exterior Color: AAMA 2605

IG
Low E3 w/Argon
Black Perimeter and Spacer Bar
1 1/8" SDL - With Spacer Bar - Black
Rectangular - Special Cut 2W1H
Stone White Clad Ext - Primed Pine Int
Ogee Interior Glazing Profile
Bottom Sash
Stone White Clad Sash Exterior
Primed Pine Sash Interior

IG
Low E3 w/Argon
Black Perimeter and Spacer Bar
1 1/8" SDL - With Spacer Bar - Black
Rectangular - Special Cut 2W1H
Stone White Clad Ext - Primed Pine Int
Ogee Interior Glazing Profile
White Interior Weather Strip Package
White Exterior Weather Strip Package
White Sash Lock
White Top Sash Strike Plate Assembly Color
Extruded Aluminum Screen
Stone White Surround
Bright View Mesh
***Screen/Combo Ship Loose

3 1/4" Jambs

***Note: Unit Availability and Price is Subject to Change

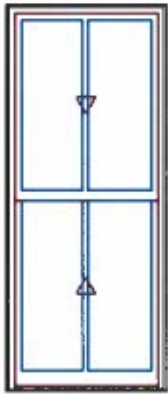
LINE ITEM QUOTES

SIDE WINDOW

The following is a schedule of the windows and doors for this project. For additional unit details, please see Line Item Quotes. Additional charges, tax or Terms and Conditions may apply. Detail pricing is per unit.

Line #1	Mark Unit:			
Qty: 1				

MARVIN 



As Viewed From The Exterior

FS 34 3/4" X 84 1/2"

IO 35 1/8" X 84 15/64"

Egress Information

Width: 31 1/16" Height: 37 3/16"

Net Clear Opening: 8.02 SqFt

Performance Information

U-Factor: 0.3

Solar Heat Gain Coefficient: 0.16

Visible Light Transmittance: 0.36

Condensation Resistance: 56

CPD Number: MAR-N-441-00334-00001

ENERGY STAR: NC, SC, S

Performance Grade

Licensee #1149

AAMA/WDMA/CSA/101/I.S.2/A440-11

LC-PG50 1153X2215 mm (45.38X87.19 in)

LC-PG50 DP +50/-50

FL28134

Paint Specification

Clad Exterior Color: AAMA 2605

Stone White Clad Exterior
Primed Pine Interior
Back Prime
Ultimate Double Hung Insert G2
Frame Size 34 3/4" X 84 1/2"
Inside Opening 35 1/8" X 84 15/64"
8" Degree Frame Bevel
Glass Add For All Sash/Panels
Top Sash
Stone White Clad Sash Exterior
Primed Pine Sash Interior
IG
Low E3 w/Argon
Black Perimeter and Spacer Bar
1 1/8" SDL - With Spacer Bar - Black
Rectangular - Special Cut 2W1H
Stone White Clad Ext - Primed Pine Int
Ogee Interior Glazing Profile
Bottom Sash
Stone White Clad Sash Exterior
Primed Pine Sash Interior
IG
Low E3 w/Argon
Black Perimeter and Spacer Bar
1 1/8" SDL - With Spacer Bar - Black
Rectangular - Special Cut 2W1H
Stone White Clad Ext - Primed Pine Int
Ogee Interior Glazing Profile
White Interior Weather Strip Package
White Exterior Weather Strip Package
White Sash Lock
White Top Sash Strike Plate Assembly Color
Extruded Aluminum Screen
Stone White Surround
Bright View Mesh
***Screen/Combo Ship Loose
3 1/4" Jamb

***Note: Unit Availability and Price is Subject to Change

Line #2	Mark Unit:			
Qty: 1				

MARVIN 

Stone White Clad Exterior
Primed Pine Interior
Back Prime
Ultimate Double Hung Insert G2
Frame Size 35" X 77 1/2"
Inside Opening 35 3/8" X 77 15/64"
8" Degree Frame Bevel
Glass Add For All Sash/Panels
Top Sash
Stone White Clad Sash Exterior
Primed Pine Sash Interior



T.O.E.
TREE 08/04/22
6 N. Aurora St.





LEFT



RIGHT



2 LOWER WINDOWS

16 N. AURORA ST.



Top
Window



Side Window

16 N. AURORA ST.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 11 N Washington Street

Application Number: 2023-881

Request: Roofing

Staff Recommendation: Approve ☐ Deny ☐ Table ☐

Staff Comments:

In April of 2023 the Historic District Commission approved replacement of the existing slate roof with synthetic slate with a vote of 3-2. Since that time, the southern portion of the courthouses roof has been replaced with synthetic slate. The applicant is now proposing to replace the slate roof on the northern wing of the courthouse with the same synthetic slate material.

Historic District Guidelines:

Guideline 70. Roof Material

- a. Retain and repair visible historic roofing materials where feasible.
- b. Where total replacement of all roofing material is required, the new roofing should match the existing material or be a roofing material that is consistent with the building's architectural style.

DRAFT MOTIONS:

1. I move that the Historic District Commission **approve** the application as submitted.
OR
2. I move that the Historic District Commission deny the application based on the following findings...
OR
3. I move an alternate motion.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

EASTON HISTORIC DISTRICT SURVEY

PROPERTY #:

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101026615		11 N WASHINGTON ST		COUNTY COMMISSIONERS OF			
YEAR BUILT		PHYSICAL CONDITION					
1794		EXCELLENT					
ARCHITECTURAL STYLE				ADDITION(S)			
FEDERAL				WINGS + HYPHENS			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				A	T-65	Y	
NOTES							
VERY IMPORTANT TOWN LANDMARK EXPANDED, "VICTORIANIZED" THEN RETURNED TO COLONIAL REVIVAL STYLE IN 1958							

RECEIVED
OCT 26 2023



TOWN OF EASTON **TOWN OF EASTON**
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #: 2023-881
Date Received: 10/26/2023
Fee Paid: \$200.00
HDC Meeting Date: 11/13/2023
Date Property Posted: 11/06/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

11 N. Washington St. Easton MD 21601

☐ Contributing

☐ Non-Contributing

YEAR BUILT:

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

Town of Easton

TELEPHONE NO.

410-822-1943

EMAIL

Applicant or Agent

NAME

AKJ Inc. / Stew Ordorff

TELEPHONE NO.

443-848-0195

EMAIL

stew1ordr@yahoo.com

Description of Proposal (include additional sheets, as necessary)

Tear off east wing of courthouse
Install new synthetic slate per specs & details
as per west wing which job has been completed

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

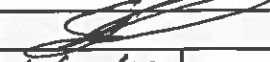
The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent


10/27/23
Stewart Ordorff

Revised 4.4.2022



Historic District Commission Application Checklist

Revised December 2022

Please complete the section that applies to your application. If a checklist item is not included or is non-applicable, please provide information supporting its omission for the Commission's consideration.

Requirements:

The payment of fees is due at the time of application submittal. As of December, 2022, the fees are as follows:

Commercial - \$200, Residential - \$75, Signs - \$75, Staff Approval - \$25.

The application submitted shall include 2 copies plus 1 digital.

All Applications to Include:

- ☒ A narrative fully explaining the request
- ☒ Photographs of all existing conditions and that will be affected by the proposed project
- ☒ Description of all existing materials and a listing of all materials to be used for proposed project.
- ☒ Manufacturer cut-sheets and material specifications related to all proposed work.
- ☐ Any available and applicable historical photographs, sketches or other documentary evidence illustrating previous conditions and configurations of the building(s)

New Construction / Addition

- ☐ Dimensioned elevations drawn to an appropriate scale illustrating all sides of the proposed structure. Drawings shall include notations outlining roof pitches, trim details and the type of windows and doors to be used for the project
- ☐ Site plan drawn to an appropriate scale and including setbacks and neighboring structures. Site Plan should illustrate the footprint(s) of all proposed EXISTING AND PROPOSED construction.
- ☐ Construction schedule
- ☐ For new construction only, the Commission will require a three-dimensional rendering, superimposed photo, silhouette or model of the proposed structure, other structure(s) located on the subject property and neighboring structures when necessary to understand the visual impact of the new construction and its compliance with the Guidelines.

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - Windows
 - Doors
 - Trim, fascia, soffit, etc
 - Decking/ porch flooring materials
 - Roofing Materials, gutters

Windows

Restoration of existing windows is the Commissions first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ☐ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☐ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Materials for the windows must be clearly identified on the cut sheet
- ☐ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☐ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☐ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details

Landscaping & Trees

- ☐ Landscape plan where existing and proposed landscape features to be installed/planted, removed and/or relocated are identified including the location and species of existing and new trees

Fence

- ☐ Application must Include:
 - A Site plan :
 - Drawn to scale
 - Show and label the location of new and any existing fence. (this can be completed on two separate site plans for clarity)
 - Include location of neighboring structures
 - Identify height of proposed fence, location of gates and other openings
 - If the height or style of fence changes based on location, this must be clearly identified.
 - Proposed fence style and material
 - Include photograph, manufacturer cut-sheet of the fence, or detailed sketch of proposed fence.
 - other relevant construction and or material detail

Demolition

The Historic District Commission (HDC) reserves the right to request a professional inspection of the structure(s). Said request may include evaluation by a historic preservation specialist.

- ☐ Elevations and photographic documentation of all elevations of the structure(s) to be demolished including footprint dimensions, height dimensions and a site plan illustrating location of the structure(s) to be demolished
- ☐ Structural Analysis by Structural Engineer or Licensed Architect
- ☐ For Economic Hardship please provide documentation. Reference Guideline 13.9
- ☐ Attach replacement plan

Other

- ☐ Attach all documentation supporting request

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled HDC meeting, the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

This checklist shall be submitted along with the completed Historic District Commission Application and all additional supporting information.



Talbot County
Maryland

Edit your title here



Legend

- Roads**
- Other Roads
 - County Roads
 - State Roads
 - US Highway
- Chesapeake Bay Critical Area
- MD_SixInchImagery

Notes

Enter note

94 0 47 94 Feet

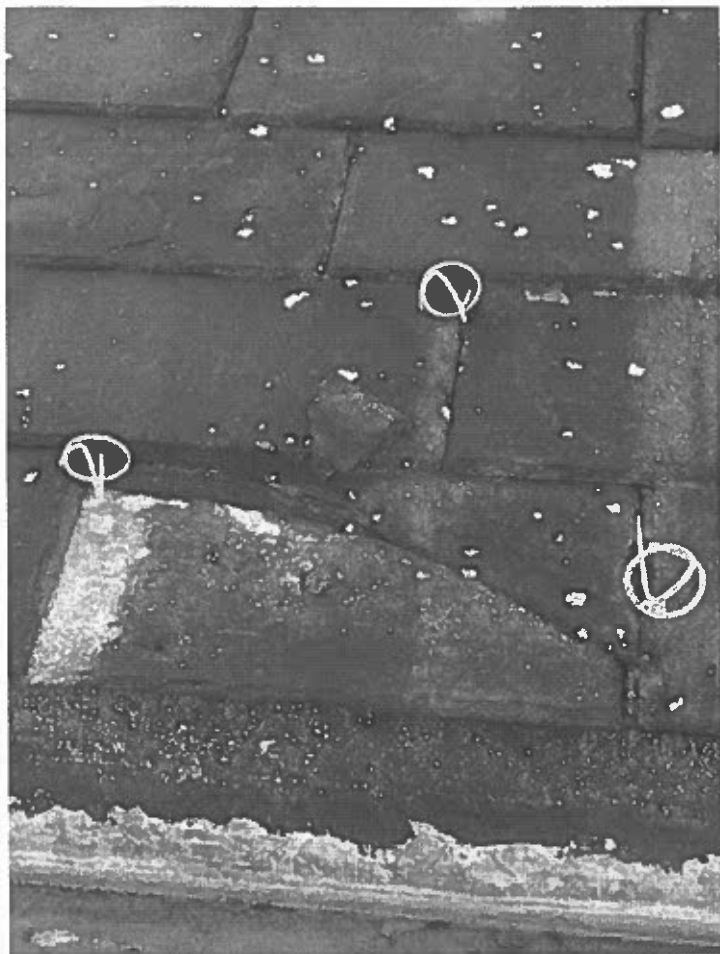
February 28, 2023

This map is for reference only. Land use layers that appear on this map may or may not be accurate.













Commercial Application for Building Permit

APPLICANT INSTRUCTIONS: COMPLETE ALL PARTS OF THIS APPLICATION. A Commercial Building Permit Assistance Bulletin is available and or the Building Inspection Division can answer questions regarding the completion of this application. Additional Applications are required for Grading, Demolition, Swimming Pools, Signage, Plumbing, Mechanical and Electrical work. Applicants should also contact the following offices for additional requirements: Planning and Zoning, Engineering, Easton Utilities, State Fire Marshals Office, Environmental Health, Soil Conservation Services, Maryland Department of the Environment and State Highway Administration. This application must be accompanied by three sets of construction documents prepared by a registered design professional.

Revised April 2021



Town of Easton

Building Inspection Division
14 S. Harrison St.
Easton, MD 21601
Phone: 410-822-2526
Fax: 410-822-8738

Office Use Only

Received Date

10/26/23

Building Permit Number

23-18759

Total Permit Fees \$

Part 1: Property Information

10/26/2023

Project Application Date

11 N Washington St.

Project's Address

Project's Subdivision (if any)

Easton MD 21601

Project's City, State and Zip Code

☐

Tax Map

☐

Grid

☐

Parcel

☐

Lot

☐

Zoning

Indicate if the Project is located within the Overlay District's below:

☐

Planned Redevelopment

☒

Historic

☐

Critical Area

☐

Planned Unit Development

☐

Planned Health Care

Part 2: Owner - Tenant Information

Owner

City of Easton

Name

Talbot County Courthouse

Address

11 N. Washington St.

City, State and Zip Code

Easton MD 21601 410-822-1943

Email Address and Phone Number

Tenant Information

For a Multiple Occupancy Building provide tenants information by attaching additional sheets

Name

Address

City, State and Zip Code

Email Address and Phone Number

Occupied Square Footage

Part 3: Certification

The applicant hereby certifies by completing this application as follows: (1) "I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as their agent." (2) "That the information contained in the application and construction documents is a full disclosure of the project." (3) "That the information contained in the application and construction documents is in compliance with all applicable covenants and or deed restrictions."

The applicant further certifies if a permit is issued as follows; (1) "That I will comply with all codes of the Town of Easton and the State of Maryland which are applicable thereto.", (2) "That I will perform no work on the above property not specifically in this application and construction documents." and (3) "That the Town Officials shall have the authority to enter areas covered by such permit to enforce the codes applicable to such permit."

Christine Stampfer

Signature of Applicant

Christine Stampfer

Printed Name of Applicant

301-385-0094

Telephone Number

stampferchr@gmail.com

Email Address

Connection with Application

907 Salisbury Way Stevensville MD 21666

Mailing Address of Applicant

Part 4: Contractor Information

General Contractor

For Multiple Contractors, provide information by attaching additional sheets

AKI Inc
907 Salisbury Way
Stevensville MD 21666
john.deboard21@gmail.com
MHIC # 245

Name

Address

City, State and Zip Code

Email Address and Phone Number

Contractor's or MHIC and/or MHBR License Numbers

Mechanical Contractor

For Multiple Contractors, provide information by attaching additional sheets

Name

Address

City, State and Zip Code

Email Address and Phone Number

Maryland HVACR License Number

Plumbing Contractor

For Multiple Contractors, provide information by attaching additional sheets

Name

Address

City, State and Zip Code

Email Address and Phone Number

Maryland, Talbot and/or Easton Plumbing License Number

Electrical Contractor

For Multiple Contractors, provide information by attaching additional sheets

Name

Address

City, State and Zip Code

Email Address and Phone Number

Maryland, Talbot and/or Easton Electricians License Number

Sprinkler Contractor

For Multiple Contractors, provide information by attaching additional sheets

Name

Address

City, State and Zip Code

Email Address and Phone Number

MHIC & Sprinkler License Number

Part 5: Permit Information

Upon receipt of the Building Permit the permit shall be posted on site and work covered by that permit may commence. Every permit issued shall become: Invalid unless the work is commenced within 180 days after the permit's issuance or expired if the commenced work is suspended or abandoned for a period greater than 180 days from the last inspection. Validation of commencement shall be through required inspections and, suspension or abandonment shall be through periodic departmental inspections. All permits shall expire 630 days from the date of their issuance. The Code Official is authorized to grant, in writing, one or more extensions of time, for periods not exceeding 90 days each. All extension shall be requested in writing with justifiable cause demonstrated. One set of approved Construction Documents must be on site at all times.

It shall be the duty of the holder of the Building Permit or their duly authorized agent to: notify the Building Inspection Division when work is ready for inspection, to provide access to such work and means for the inspections of such work, for all required inspections. Inspection requests shall be made twenty-four hours in advance of the work being ready. Requested inspections will be made on the next available business day, prior to the end of business. Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the Building Inspection Division.

No building or structure shall be used or occupied, and no change in the existing occupancy classification of a building, structure or portion thereof shall be made until the Code Official has issued a Certificate of Occupancy. Prior to the issuance of a Certificate of Occupancy, the Building Inspection Division shall have received all required approval from the following offices: Planning and Zoning, Engineering, Easton Utilities, State Fire Marshal's Office, Environmental Health, Soil Conservation Services, Maryland Department of the Environment and State Highway Administration. All required inspections for Building, Grading, Demolition, Swimming Pools, Signage, Plumbing, Mechanical and Electrical permits associated with the building structure or portion thereof shall have been approved. The Building Inspection Division shall also have received final reports from all third party inspection agencies for special inspections and a certified location survey plat.

Part 6: Square Footages by Floor for Classification of Work

Classification of Work	Basement	First	Second	Third	Fourth
New Construction or Addition					
Change of Occupancy					
Alteration Level 3					
Alteration Level 2					
Alteration Level 1					
Repairs					
Demolition					
Unaltered					
Total Building Floor					

6000 sq feet

Part 7: Building Information

Occupancy Design ☐ Single Occupancy ☐ Multiple Occupancies	Occupancy Separation ☐ Single Occupancy ☐ Non-Separated ☐ Separated	Fire Protection ☐ No Sprinklers ☐ Partially Sprinklered ☐ Fully Sprinklered	Number of Fire Areas ☐ Single Fire Area ☐ _____ Fire Areas
---	---	---	---

Part 8: Square Footages by Floor for Occupancy Classification

Occupancy Classification	Basement	First	Second	Third	Fourth
Assembly					
Business					
Educational					
Factory and Industrial					
High Hazard					
Institutional					
Mercantile					
Residential					
Storage					
Utility and Miscellaneous					
Total Building Floor					

Part 9: Fire Resistance Rating for Building Elements

Complete Information for One Construction Type Only

Occupancy Classification	Structural Frame	Bearing Walls Exterior/Interior	Non-Bearing Walls Exterior/Interior	Floor Construction	Roof Construction
Type I - Noncombustible					
Type II - Noncombustible					
Type III - Noncombustible					
Type IV - Heavy Timber					
Type V - Combustible					

Part 10: Total Project Information

<u>12/30/2023</u> Estimated Start Date	<u>3/15/2023</u> Estimated Finish Date	<u>\$200K</u> Estimated Project Value	FEMA Flood Plain Y or N
---	---	--	----------------------------

Roof replacement on Talbot County Courthouse

Office Use Only (Revised April 2021)

Building Dept - General Info.

- ☐ Received Date ____ / ____ / ____
- ☐ Permit # _____
- ☐ Permit Fee \$ _____

Approval

- ☐ Date ____ / ____ / ____
- ☐ BD Initials _____

EUC Approval / Comments

- ☐ Date ____ / ____ / ____
- ☐ EUC Initials _____

Planning & Zoning - General Info.

- ☐ Not Applicable
- ☐ Town Impact \$ _____
- ☐ County Receipt Received

Approval

- ☐ Date ____ / ____ / ____
- ☐ P&Z Initials _____

Engineering Dept Application

- ☐ Not Applicable
- ☐ Grading Permit # _____

Approval

- ☐ Date ____ / ____ / ____
- ☐ Eng. Initials _____

HDC Application

- ☐ Not Applicable
- ☐ Yes - In Review
- ☐ Yes - Approved

Approval

- ☐ Date ____ / ____ / ____
- ☐ HDC Initials _____

Revised April 2021

**A.K.J. INC.
907 SALISBURY WAY
STEVENSVILLE MD. 21666
OFFICE- 410-643-4031 FAX-410-6438292
MHIC- # 245
STEW1ORND@YAHOO.COM**

**INVOICE
10/12/23**

SUBMITTED TO:

**TOWN OF EASTON
ADMIN SPECIALIST
PLANNING AND ZONING
ATT: SAMANTHA N SMITH**

JOB INFO:

**2023-881 - 111BHDC
11 WASHINGTON ST
EASTON MD. 21601**

INSTALL NEW SYNTHETIC SLATE ON EAST WING OF COURT HOUSE

SAMANTHA N SMITH

The historic meeting on Monday the 13th at 6:00pm as per our conversation I will be out of town and will not be able to make the meeting . Brian Moore from Talbot Co. will be there. A.K.J. just finished the West wing of the court house about a month ago which the Historic District Comm. passed.

Talbot County would like complete the East wing of the court house in Dec. . The same scope of work and specs. , manufacture of the synthetic slate ecostar and color mid night grey will be used to complete this wing.

I will be available by phone 443 - 848-0195 at 6:00 pm on the 13th if you need to ask any questions

**THANK YOU
STEWART ORNDORFF
443-848-0195**



Town of Easton
Engineering, Planning and Zoning
14 South Harrison Street, Easton, MD 21601

RECEIVED
OCT 27 2023
TOWN OF EASTON

Historic District Commission Hearing Application

Application Type

Renovation ☐ Alteration ☒ Demolition ☐ Other ☐
New Construction or Addition ☐ Signage ☐ Fence ☐

Property Information

Address 11 South Harrison Street - The Welcome Center
Tax Map Grid Parcel Lot

Owner

Name Town of Easton
Mailing Address 14 South Harrison Street, Easton, MD 21601
Telephone No. Email

Applicant or Agent

Name The Town of Easton
Mailing Address 14 South Harrison Street, Easton, MD 21601
Telephone No. 410-822-2525 Email tnewcomb@eastonMD.gov

Architect - Engineer - Contractor

Name Trevor Newcomb License No. N/A Expiration Date N/A
Mailing Address 14 South Harrison Street, Easton MD 21601
Telephone No. 410-924-3276 Email tnewcomb@eastonMD.gov

Description of Proposal (include additional sheets, as necessary)

Installation of a door and two windows to the eastern portion of the southern facade wall.
Infill existing door on southern wall.
Replace existing office window with an ADA compliant door.
ADD Exterior Lighting (proximity).

Specific Requirements

- The payment of fees is due at the time of application submittal. As of July 1, 2018, the fees are as follows: Commercial - \$200, Residential - \$75, Signs - \$75
- The application submitted shall include 7 hard copies plus 1 digital.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional

design services are warranted, the HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published correction prior to processing.

Signature of Applicant or Agent

Date **10-27-2023**

Printed Name of Applicant or Agent

Trevor B. Newcomb

For Office Use Only

Application Date	10/27/2023	HDC Meeting Date	11/13/2023
Application Number	2022-0586	Notice(s) Published	-
Fee Paid	-	Property Post & Sign #	11/06/2023
Certificate of Approval Issued Yes ☒ No ☐			
Revised 02-2019			



Trevor Newcomb <tnewcomb@eastonmd.gov>

COA 11 South Harrison

1 message

Trevor Newcomb <tnewcomb@eastonmd.gov>

Fri, Oct 27, 2023 at 10:15 AM

To: Nicholas Johnson <njohnson@eastonmd.gov>

Nick,

Apparently the permit was closed out for this work when we completed the rear section of the doors and windows. We need to move forward with the remaining door installation that was approved previously. I am filling out a new permit application for only the one exterior door (hole already in the wall) but cannot find the COA for the attached application which did include this door. Also, I presume that continuing this COA is fine as there is no change from the original, only that the Building Department closed their permit before this portion of work was completed so that a Certificate of Occupancy could be issued for the Veteran's Center's use of the rear portion of the building.

Thanks,

--

**Trevor Newcomb**Director – Facilities & Buildings
Town of Easton | EastonMD.gov

14 S. Harrison Street St. | Easton, MD 21601

Office: 410-822-2525

tnewcomb@eastonMD.gov**Application.pdf**

3767K



Historic District Commission MEETING MINUTES

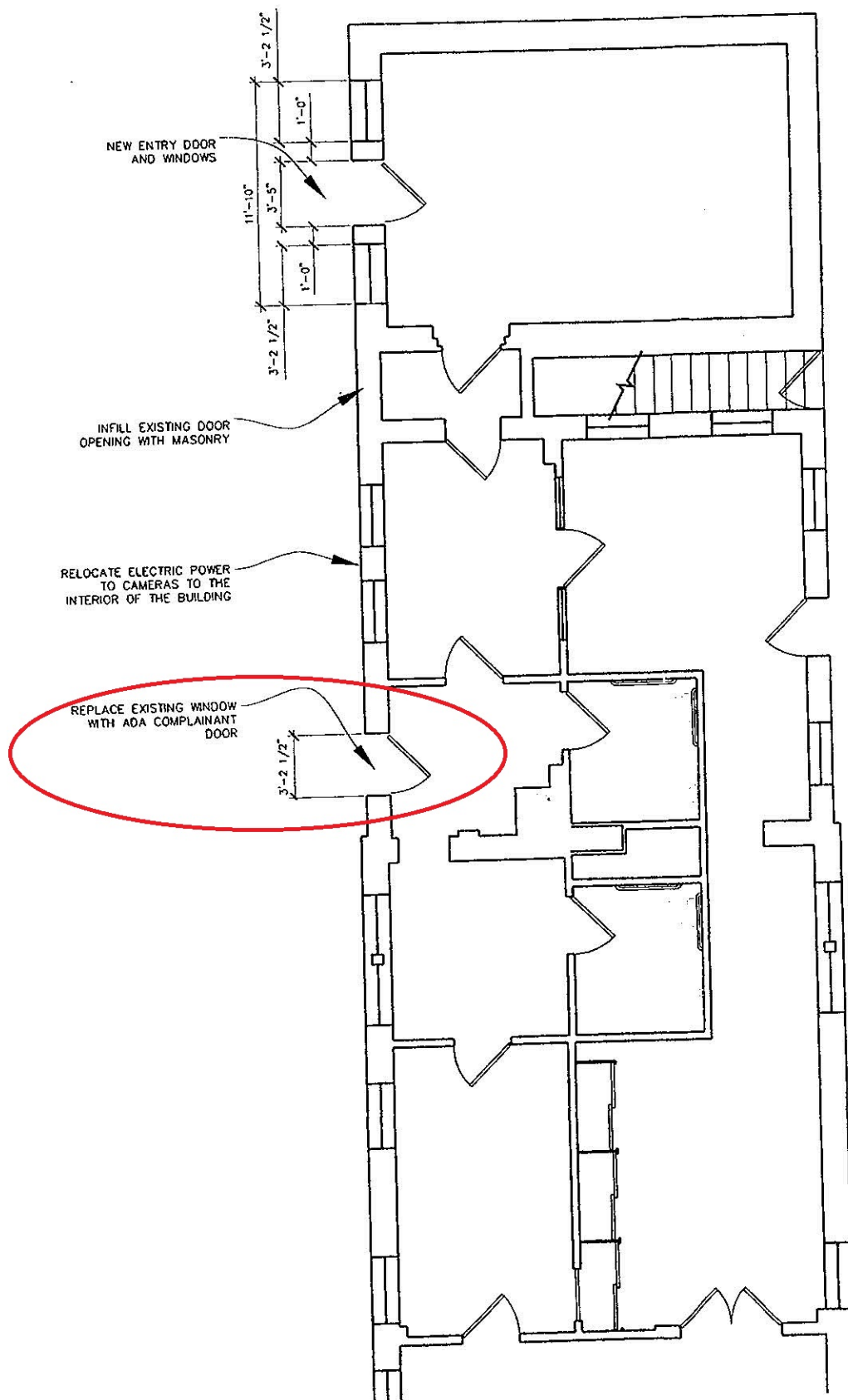
Monday, January 24, 2022 - 6:00 PM
Council Chambers, Easton Town Office
14 S Harrison Street

Application Number: 2021-00586
Location: 11 S Harrison Street
Applicant: Trevor Newcomb on behalf of Town of Easton
Request: Alteration (Door, Windows)

Trevor Newcomb on behalf of Town of Easton was present on behalf of the Alteration (Door, Windows) for 11 S Harrison Street, a **contributing** building in the Historic District.

Upon motion by Vice Chair Mayhew second by Mr. Gibson and carried 6-0, **2021-00586 was approved as submitted and will become effective seven days after an HDC Sign is posted if there is no objection by the community.**

Historic District Guideline References:
Window- PG 51, R2, R1
Door- PG 48, R2



QUOTE NAME
Unassigned Quote

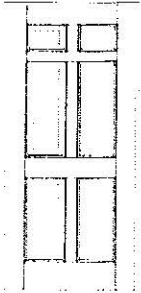
PRINTED BY
RCecil

QUOTE NUMBER
1006350

CREATED BY
RCecil

Line #	Description	Unit Price	Qty	Ext. Price	
100-1	Comment/Room: None Assigned Frame Size: 37.5" X 85.25" Door - Product: 1 @ 1.75" x 36" x 84" Distinctive Exterior Doors PG African Mahogany Layout: D1440 EX Square Top Door with Square Top Panel Swing: RHO Glass: N/A Glass Profile: Muntins: N/A Glass Layout: N/A Panel Profile: 1.5" Thick Extira P-SH-120 Raised Panel S-OG-113 Ogee Sticking Panel Layout: 6 Panel Fitting Prep: Downsize and Bevel Prefit in Jamb 0.125" Prehang Reveal Includes: Engineered Core in Stiles Drip Cap with Sweep Hanging Option: Prehung, Ship unit hung in assembled jambs Jamb: 1.25" x 6.6875" PG African Mahogany Single Rabbeted Jamb Solid Wood Weatherstripping: White Exterior Compression Weatherstripping White Pemko 379_S Include Schlegel KP51 Brush Weatherstripping , Black Wood Rain Cap Door Bottom: Intek Sweep	Sill: ADA Sill Mill Finish Aluminum 7.00" Sill Depth Exterior Casing: African Mahogany 1.25" x 2" Brickmold Head Casing 1.25" x 2" Brickmold Leg Casing Interior Casing: N/A Mull Pocket: Exterior Mull Covers: N/A Interior Mull Covers: N/A Hardware: 4" x 4" Hager BB11914US32D Ball Bearing Satin Stainless Steel Square Corner Hinges Stainless Steel Base Material Quantity (3) Total Machining: Upstate to Machine and Supply Standard Hinge Layout Lockset Prep: Double Bore 2.125" Face Size 2.125" Upper Bore Face Size 2.75" Backset 1" Edge Mortise 36" from Bottom of Door to Center of Lower Bore 41.5" from Bottom of Door to Center of Upper Bore Inactive Door Hardware and Prep: N/A Includes: Door Finishing Option: White Acrylic Primer, Sealed top and bottom edge only with Upstate Green. Multiple Seal Coats Required in Field. Jamb Finishing Option: White Acrylic Primer, Multiple Seal Coats Required in Field. Exterior Casing Finishing Option: White Latex Latex Primer, Multiple Seal Coats Required in Field.	\$4,891.00	1	\$4,891.00

Special Instructions:








THE NORMAL BUSINESS HOURS OF THIS MARYLAND
DEPARTMENT OF VETERANS AFFAIRS SERVICE OFFICE ARE
FROM 7:30 A.M. UNTIL 3:30 P.M., MONDAY THROUGH
FRIDAY, EXCLUDING STATE HOLIDAYS.
WE ARE CURRENTLY OPERATING ON AN APPOINTMENT ONLY
BASIS.
PLEASE CALL 410-480-7181 TO SPEAK WITH A
REPRESENTATIVE REGARDING THE SCHEDULING OF AN
APPOINTMENT.





TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 412 North Street

Application Number: 2023-1030

Request: Windows

Staff Recommendation: Approve ☐ Deny ☐ Table ☐

Staff Comments:

The applicant is proposing to replace seven (7) existing wooden windows on the eastern side of the structure. On September 7, 2023 the Building Inspection Department issued a stop work order after it was discovered that the existing wooden windows were being removed and replaced with vinyl windows without a building permit or a Historic District Commission COA (See Photos Bellow). The site was ordered to be made weather tight only, and applications were subsequently filed with the Building Inspection Department and the Historic District Commission. The windows the applicant original proposed and installed are a combination of vinyl casement and double hung windows with “between the glass” muntins. The applicant has submitted a revision that proposes fiberglass-clad windows. The applicant is also now proposing to shift the third story gable end window 18” towards North Street.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601





Historic District Guidelines:

Guideline 90. Make Sensitive Replacements:

- a. Replace windows that cannot be repaired in-kind. Replacement windows must match the original windows in size, proportion, design, and style. The number of windowpanes and the muntin and mullion profiles should match the historic window.
- b. Replacement units for historic divided light (multi-pane) windows must have the appearance of a true divided light. Simulated divided light windows with three dimensional muntins are usually appropriate. “Snap-in” or “between-the-glass” vinyl muntins do not simulate a historic appearance and will not be approved for windows within the historic district.
- c. Maintain the window type. For example, replacing a double-hung window with a casement window is not preferred.
- d. Maintain the historic window opening size and surrounding trim. Altering the window opening to accommodate larger or smaller windows is not preferred.
- e. Windows constructed of hollow core or extruded vinyl components should not be used. Other alternative materials, including fiberglass composite or aluminum-clad, may be appropriate in some circumstances. See Appendix B for additional information on substitute materials.

Analysis – The proposed fiberglass-clad windows may be appropriate in this instance since this is a non-contributing structure and the windows are on a side façade.

RECCOMENDED CONDITIONS:

1. The opening of the existing third story gable window will be filled with siding that matches the existing siding on the structure.
2. Casement windows shall have a simulated check rail.

DRAFT MOTIONS:

1. I move that the Historic District Commission **approve** the application with staff’s recommended conditions...

OR



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

2. I move that the Historic District Commission **deny** the application based on the following findings...

OR

3. I move an alternate motion.

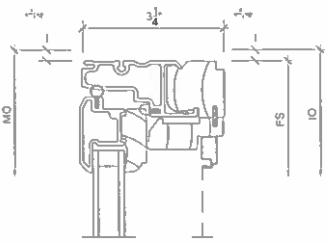
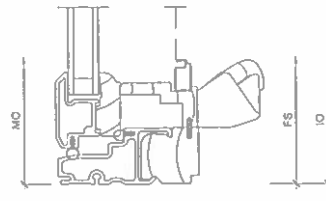
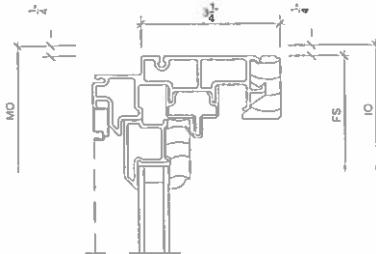
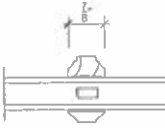
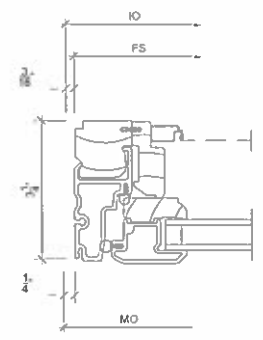
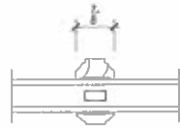
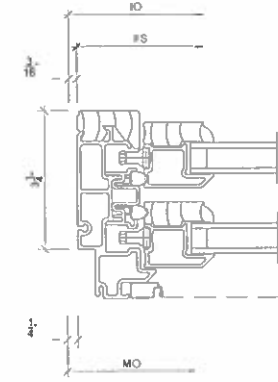
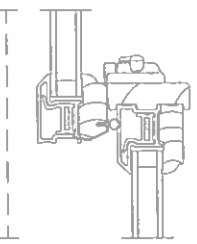
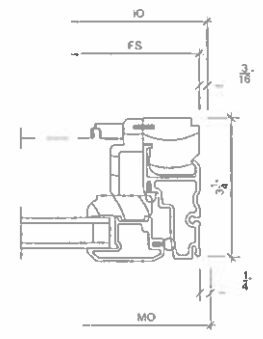
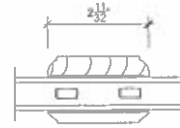
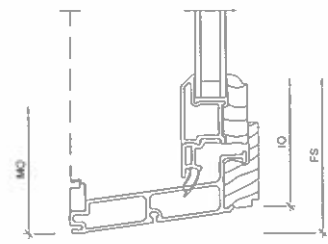
EASTON HISTORIC DISTRICT SURVEY

PROPERTY #:

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101022482		412 NORTH ST		WALBRIDGE REAL ESTATE			
YEAR BUILT		PHYSICAL CONDITION					
1972		EXCELLENT					
ARCHITECTURAL STYLE				ADDITION(S)			
NEO COLONIAL							
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				E		N	AGE
NOTES							
VERY LARGE MODERN HOUSE BUILT TO RESEMBLE COLONIAL PERIOD CONSTRUCTION							

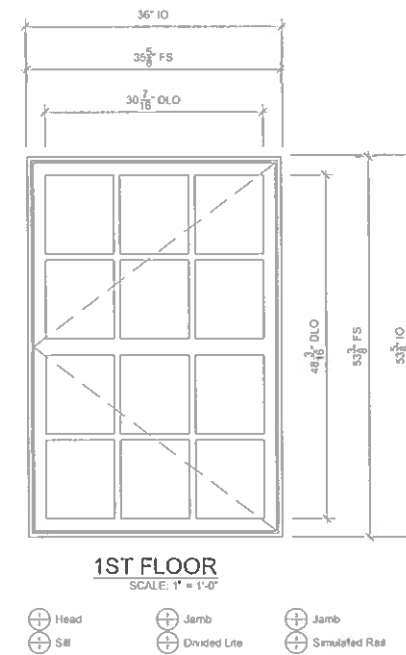
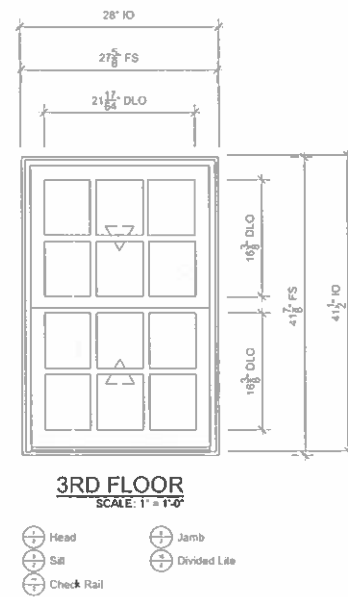
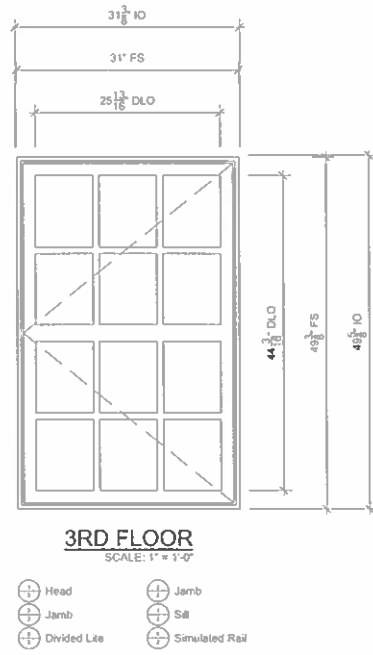
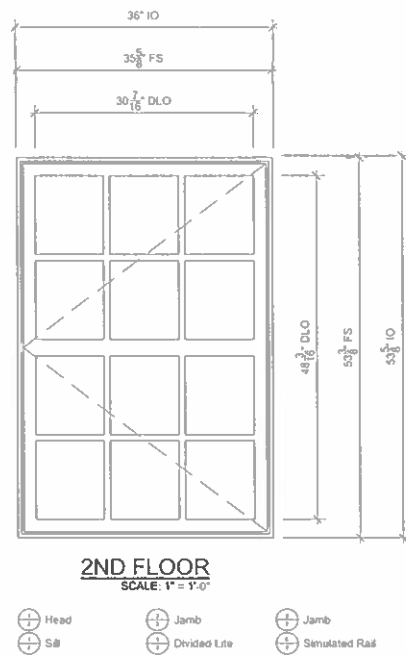
 1 2 Head SCALE: 6" = 1'-0"	 4 2 Sill SCALE: 6" = 1'-0"	 7 2 Head SCALE: 6" = 1'-0"	 10 2 Divided Lite SCALE: 6" = 1'-0"
 2 2 Jamb SCALE: 6" = 1'-0"	 5 2 Divided Lite SCALE: 6" = 1'-0"	 8 2 Jamb SCALE: 6" = 1'-0"	 11 2 Check Rail SCALE: 6" = 1'-0"
 3 2 Jamb SCALE: 6" = 1'-0"	 6 2 Simulated Rail SCALE: 6" = 1'-0"	 9 2 Sill SCALE: 6" = 1'-0"	12 2 NOT USED SCALE: 6" = 1'-0"



ORDERING PRODUCTS WITH REFERENCE TO SHOP DRAWINGS:
Before ordering the Marvin Window and Door products illustrated within these shop drawings, a copy of these drawings accompanied by an approved signature of the purchaser must be returned to the Architectural Division at Marvin Windows & Doors, P.O. Box 100, Warrenton, Oregon 97146-0100. If the Marvin products are not used in the project, the purchaser assumes no responsibility in guaranteeing product coordination with the drawings.

PROJ./JOB: Walbridge 412 North Street / 9-11-2023
DIST/DEALER: WARRENS WOOD WORKS
DRAWN: JIM PRETTYMAN
QUOTE# FJFL38
PK VERSION: 0104.04.00
CREATED: 10/26/2023
REVISION

SHEET
2
OF 2



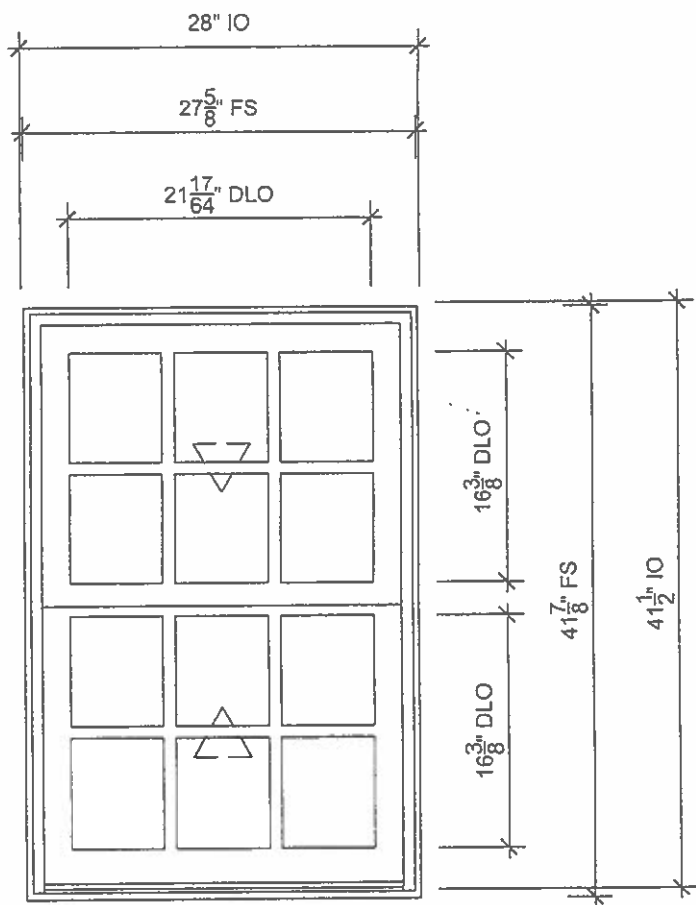
PROJ: 08: Walbridge 412 North Street / 9-11-2023
DIST/DEALER: WARRENS WOOD WORKS
DRAWN: JIM PRETTYMAN
QUOTE#: FJF1L38
PK VERS ON: 0004 04 00

SHEET
1
OF 2

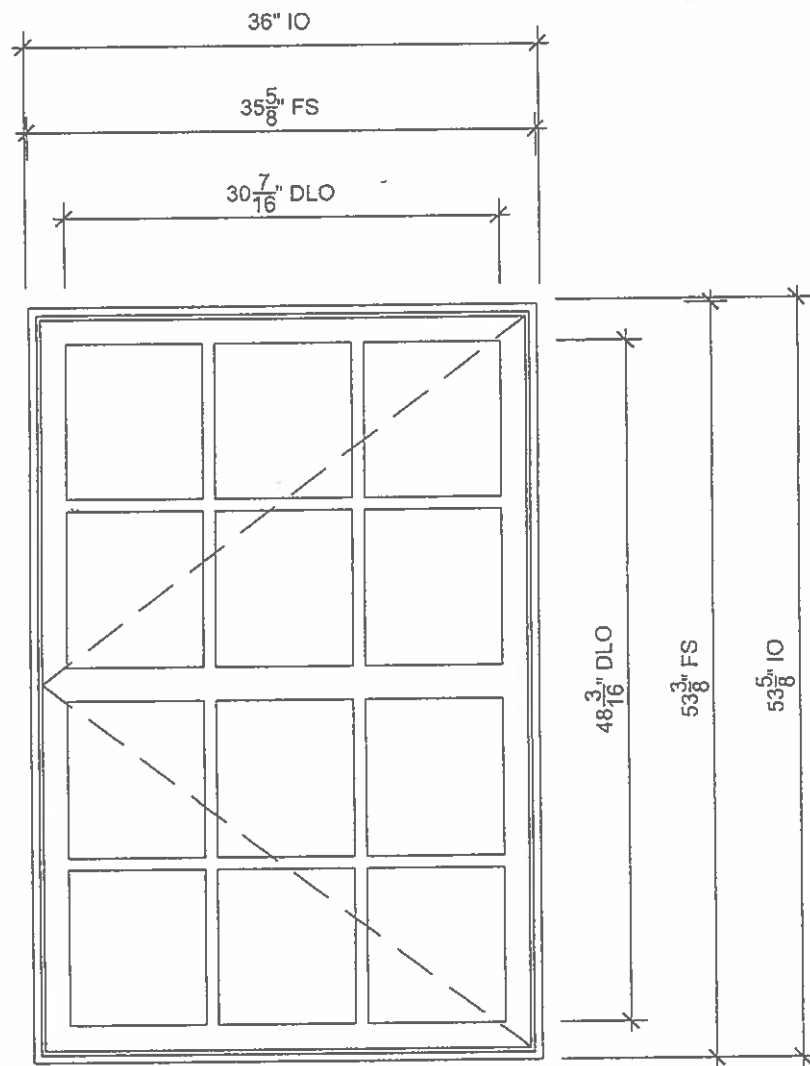
CREATED: 10/26/2023
REVISION

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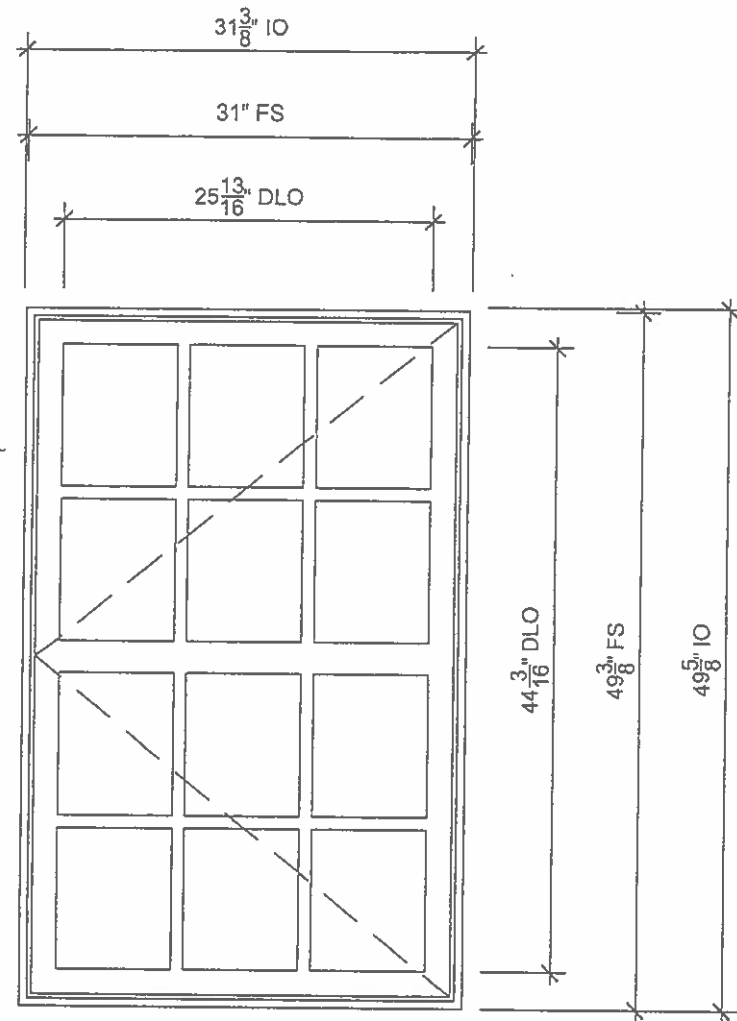
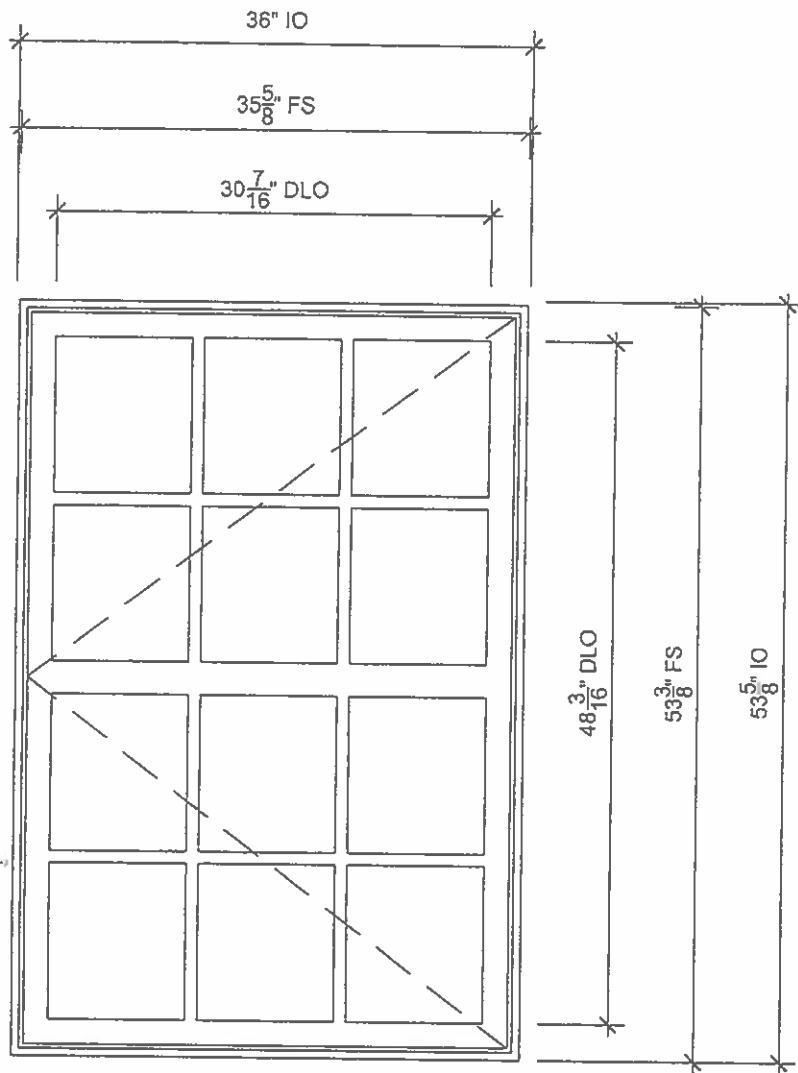




3RD FLOOR
SCALE: 1" = 1'-0"



1ST FLOOR
SCALE: 1" = 1'-0"



The existing trim on the entire structure is flat 3/4" thick PVC material and any new trim necessary will be 3/4" thick PVC material at dimensions to match the existing.



Randall Walbridge

to me ▾

Wed, Oct 11, 8:55 AM (1 day ago)



Nicholas, siding, Exterior trim and window will all be exactly the same. Just relocated 18" to the right (18" towards North Street).

On Wed, Oct 11, 2023 at 8:08 AM Nicholas Johnson <njohnson@eastonmd.gov> wrote:

Randy,

Yes, that would also need to be approved by the Historic District Commission. The only additional information they will need in regards to that is specifications on what material will be used to fill the opening created by moving the window. As long as all of the trim and other materials match the other windows, I don't think they will need any additional information.

Thanks,

Nicholas Johnson

On Tue, Oct 10, 2023 at 4:27 PM Randall Walbridge <randallwalbridge@gmail.com> wrote:

Nicholas,

I would also like to move the third floor (gable end) window to the right by 18 inches. I am referring to the window that is currently in the center of the gable end and at the top of the gable end when viewing from outside (as shown in the attached picture). I assume the Historic Commission must approve that as well, so if I need to do anything else in order to present that, would you please let me know what I must do?

Randall Walbridge
410-829-0135 cell

Nicholas Johnson

Planner

Town of Easton

Planning & Zoning



RECEIVED

SEP 09 2023

TOWN OF EASTON
PLANNING AND ZONING TOWN OF EASTON
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #: 2023-1030
Date Received: 09/09/2023
Fee Paid: \$75.00
HDC Meeting Date: 09/25/2023
Date Property Posted: 09/18/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER
NEW CONSTRUCTION/ADDITION EXTERIOR ALTERATIONS
FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS 412 NORTH ST. EASTON
☐ Contributing ☐ Non-Contributing YEAR BUILT: 2001 NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME WALBRIDGE REAL ESTATE INVESTMENTS L.L.C.
TELEPHONE NO. 410-829-0135 EMAIL randallwalbridge@gmail.com

Applicant or Agent

NAME RANDALL WALBRIDGE
TELEPHONE NO. 410-829-0135 EMAIL randallwalbridge@gmail.com

Description of Proposal (include additional sheets, as necessary)

7 WINDOWS ON THE EAST SIDE OF THE STRUCTURE
ARE NOTED AS FAILING APART AND NEED TO BE
REPLACED. SCABMENTS & 2 DOUBLE HUNG AS
REFLECTED ON PICTURE PROVIDED. REQUEST
PERMISSION TO UTILIZE VENUSO S. SERRA
UNIT

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

Randall Walbridge
9-9-23
RANDALL WALBRIDGE

Revised 4.4.2022



Historic District Commission Application Checklist

Revised December 2022

Please complete the section that applies to your application. If a checklist item is not included or is non-applicable, please provide information supporting its omission for the Commission's consideration.

Requirements:

The payment of fees is due at the time of application submittal. As of December, 2022, the fees are as follows:
Commercial - \$200, Residential - \$75, Signs - \$75, Staff Approval - \$25.

The application submitted shall include 2 copies plus 1 digital.

All Applications to Include:

- ☐ A narrative fully explaining the request
- ☐ Photographs of all existing conditions and that will be affected by the proposed project
- ☐ Description of all existing materials and a listing of all materials to be used for proposed project.
- ☐ Manufacturer cut-sheets and material specifications related to all proposed work.
- ☐ Any available and applicable historical photographs, sketches or other documentary evidence illustrating previous conditions and configurations of the building(s)

New Construction / Addition

- ☐ Dimensioned elevations drawn to an appropriate scale illustrating all sides of the proposed structure. Drawings shall include notations outlining roof pitches, trim details and the type of windows and doors to be used for the project
- ☐ Site plan drawn to an appropriate scale and including setbacks and neighboring structures. Site Plan should illustrate the footprint(s) of all proposed EXISTING AND PROPOSED construction.
- ☐ Construction schedule
- ☐ For new construction only, the Commission will require a three-dimensional rendering, superimposed photo, silhouette or model of the proposed structure, other structure(s) located on the subject property and neighboring structures when necessary to understand the visual impact of the new construction and its compliance with the Guidelines.

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - ☐ Windows
 - ☐ Doors
 - ☐ Trim, fascia, soffit, etc
 - ☐ Decking/ porch flooring materials
 - ☐ Roofing Materials, gutters

Windows

Restoration of existing windows is the Commissions first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ☒ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☒ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ☒ Materials for the windows must be clearly identified on the cut sheet
- ☒ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☐ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☐ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details

Landscaping & Trees

- ☐ Landscape plan where existing and proposed landscape features to be installed/planted, removed and/or relocated are identified including the location and species of existing and new trees

Fence

- ☐ Application must Include:
 - A Site plan :
 - Drawn to scale
 - Show and label the location of new and any existing fence. (this can be completed on two separate site plans for clarity)
 - Include location of neighboring structures
 - Identify height of proposed fence, location of gates and other openings
 - If the height or style of fence changes based on location, this must be clearly identified.
 - Proposed fence style and material
 - Include photograph, manufacturer cut-sheet of the fence, or detailed sketch of proposed fence.
 - other relevant construction and or material detail

Demolition

The Historic District Commission (HDC) reserves the right to request a professional inspection of the structure(s). Said request may include evaluation by a historic preservation specialist.

- ☐ Elevations and photographic documentation of all elevations of the structure(s) to be demolished including footprint dimensions, height dimensions and a site plan illustrating location of the structure(s) to be demolished
- ☐ Structural Analysis by Structural Engineer or Licensed Architect
- ☐ For Economic Hardship please provide documentation. Reference Guideline 13.9
- ☐ Attach replacement plan

Other

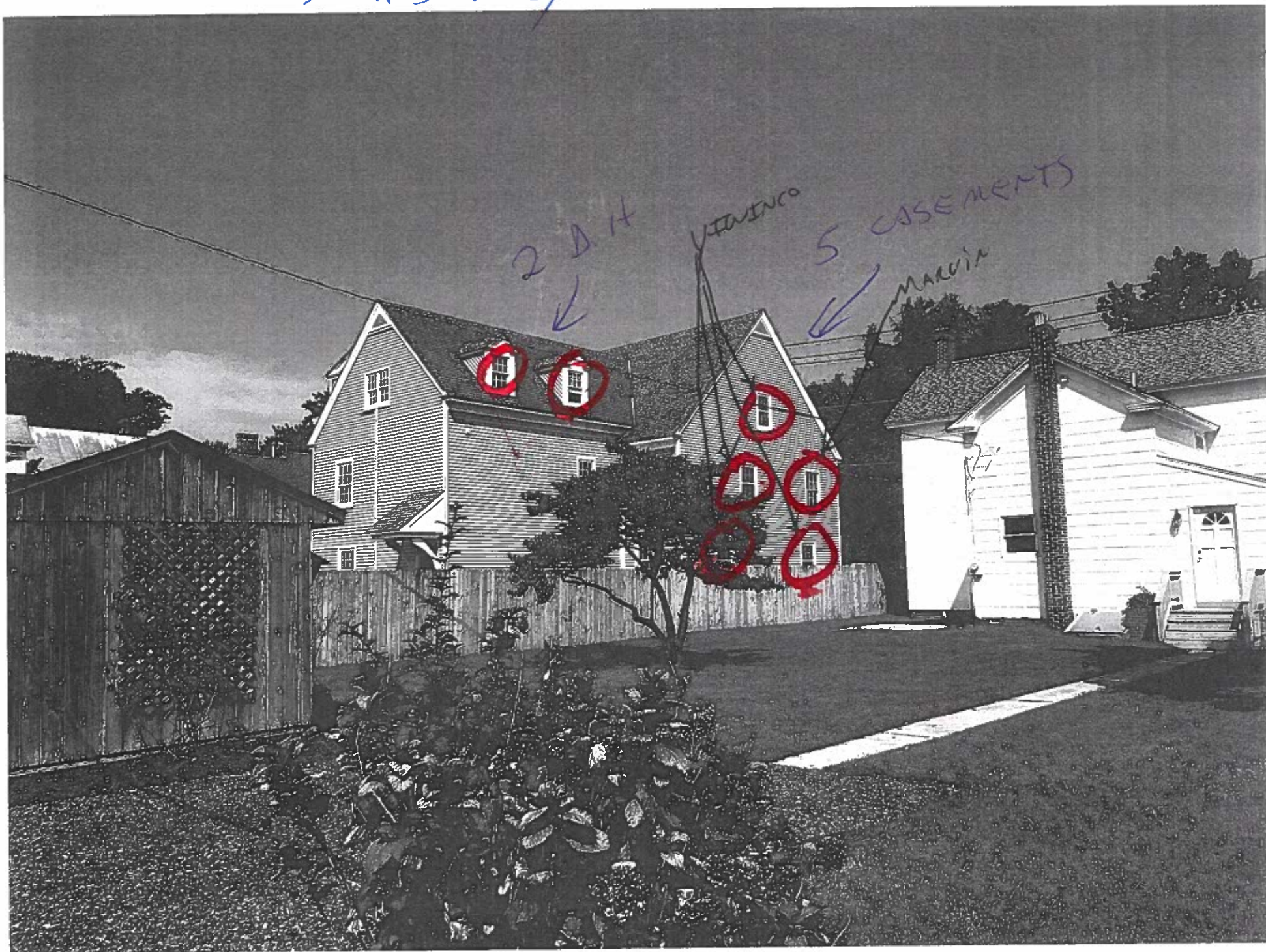
- ☐ Attach all documentation supporting request

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled HDC meeting, the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

This checklist shall be submitted along with the completed Historic District Commission Application and all additional supporting information.

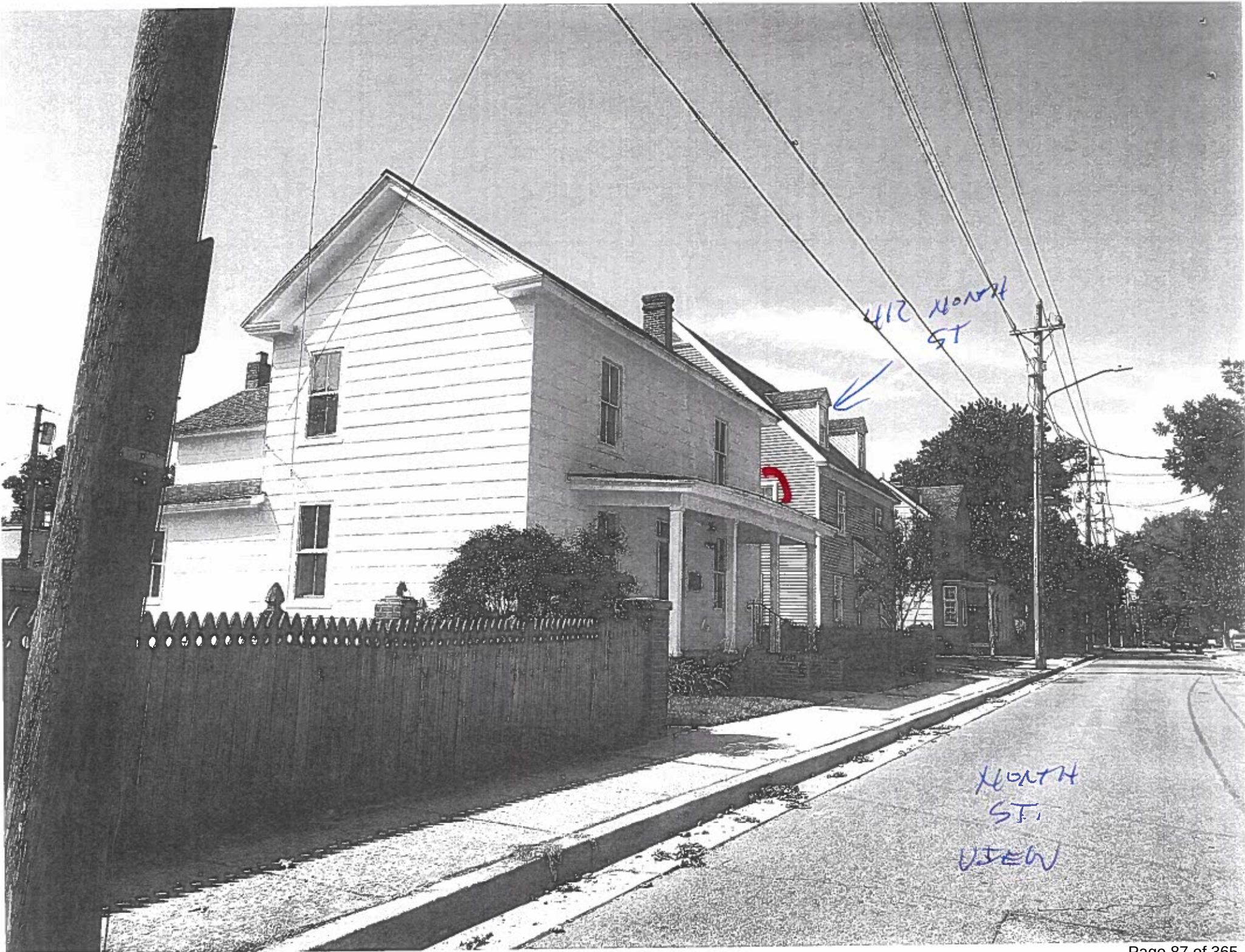
SCOTT'S ALLEY VIEW



412 NORTH ST.

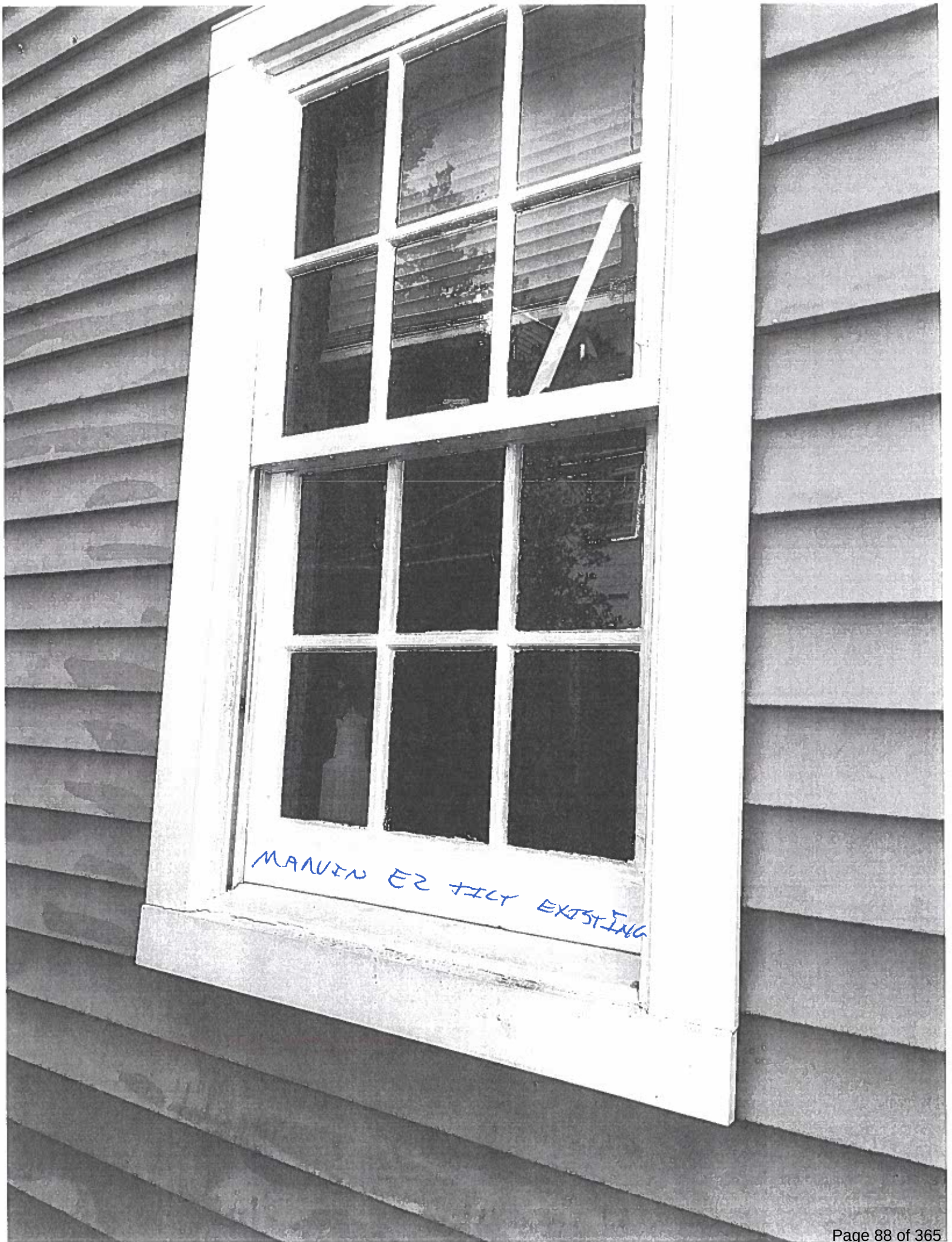
RANDALL WAKARUS

W.R.E.I



412 NORTH ST

NORTH ST.
VIEW





TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 610 Goldsborough Street

Application Number: 2023-1022

Request: Accessory Structure (Kennel)

Staff Recommendation: Approve ☐ Deny ☐ Table ☒

Staff Comments:

The applicant is amending their previous application for a fence to include the construction of a wooden kennel structure. On September 11, 2023 the HDC granted a certificate of appropriateness for the construction of a six (6) foot high wooden privacy fence. On September 15, 2023 the Building Inspection Department issued a second stop work order after it was discovered that a structure was being constructed within the fence without proper approvals. The structure in question is a roughly 12' x 12' kennel that is attached to the fence and a wooden frame constructed against the existing structure. The kennel structure is approximately three feet taller than the fence and reaches the eave line of the existing structure. The scope of work also includes an outdoor dog run.

OUTSTANDING ISSUE:

1. The proposed kennel violates the Zoning Ordinance's minimum setback requirements for kennels found in §28-1007.1.11(a) which states, "Kennels shall meet the side setback requirement and shall be setback a minimum of eight feet from the rear property line." The proposed kennel is located approximately one foot from the side property line and violates the required 8-foot side setback. In order for the kennel to remain in this location, a setback variance would first need to be granted by the Board of Zoning Appeals.

Historic District Guidelines:

Guideline 11. Erect New Outbuildings Sensitive

- a. Locate new auxiliary buildings to limit visibility from public rights-of-way when possible.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

- b. If it is not possible to locate new buildings so that they are not visible from the primary public right-of-way, use landscaping or appropriate fencing to screen these features from view.
- c. New outbuildings should be designed to be compatible with the architectural style, scale, form, and materials of the main building on the property.

STAFF RECOMENDATION:

Staff supports an HDC **continuation** of this application. The Board of Zoning Appeals would first need to grant a setback variance before the proposed structure could be installed. This structure could not be constructed as proposed without drastically shrinking the footprint of the kennel, relocating it entirely, or obtaining a variance.

DRAFT MOTIONS:

- 1. I move that the Historic District Commission **table** the application pending resolution to the outstanding setback issue.

OR

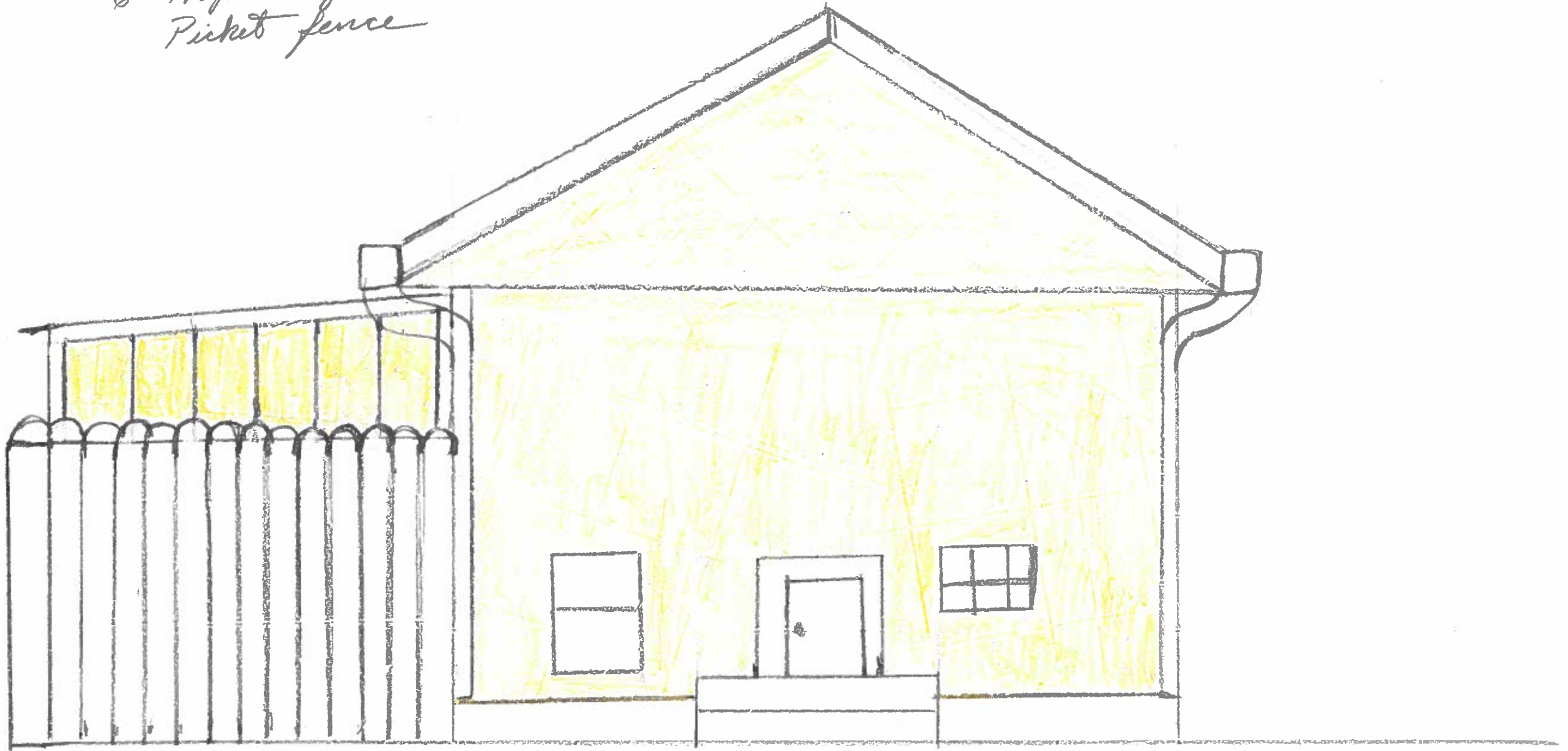
- 2. I move that the Historic District Commission deny the application based on the following findings...

OR

- 3. I move an alternate motion.

8' spacing to match
other shed in yard

6' High Dog House
Picket fence



Gate

Grass

11.5.11

Door

Wood
Decking

Duck + Dog
Decking

11.5.11

ROOF with shingles

6' 6' 6'
Pressure Treated 2x4

T 111
Shed Siding

Pressure Treated 2x4

T 111
Shed Siding

Pressure Treated 2x4



Town of Easton
Planning and Zoning
14 S. Harrison Street Easton, MD 21601 410-822-1943
HISTORIC DISTRICT COMMISSION
CERTIFICATE OF APPROPRIATENESS

Meeting Date: 9/11/2023
Application Number: 2023-1022
Location: 610 Goldsborough Street
Applicant: Scott Reynolds

Commissioner Greer moved to approve the application as submitted.
Commissioner Bateman seconded the motion.

FOR: 6- Demby, Brophy, Bateman, Greer, Pezor, Stuart

If the scope of work changes and or the materials and methods used are contrary to that understood by the application and any supplemental information provided, the work shall not continue until such time that the Commission is notified and said differences are considered and approved by the Commission.

"A Certificate of Appropriateness shall lapse upon the expiration of the corresponding Building Permit. For applications that require a building permit but for which none is issued, this Certificate of Appropriateness shall lapse six (6) months after issuance. In the event a building permit is not required, the Certificate of Appropriateness shall lapse six (6) months from its issuance if substantial work is not underway. For good cause shown, this period may be extended by the Commission".

Prior to start of work please contact the Building Inspection Department at 410 822 2525 to ensure all required building permits have been obtained. Also, please reach out to the Building Inspection department to ensure your project complies with the Town of Easton's building codes.

Nicholas Johnson
Representative, Historic District Commission

9/25/2023
Date

Submit by 28th for 9/11 meeting



TOWN OF EASTON
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MARYLAND 21829

RECEIVED

AUG 28 2023

Application #: 2023-1022
Date Received: 08/28/2023
Fee Paid: \$75.00
HDC Meeting Date: 09/11/2023
Date Property Posted: 09/04/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER
NEW CONSTRUCTION/ADDITION EXTERIOR ALTERATIONS
FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS 610 Goldbrough St.
☐ Contributing ☒ Non-Contributing YEAR BUILT: 1974 NATIONAL REGISTAR # _____

PROPERTY INFORMATION

OWNER NAME Florence Ball
TELEPHONE NO. 443-210-5300 EMAIL Florenceb1948@gmail.com

Applicant or Agent

NAME Scott Reynolds
TELEPHONE NO. 443-210-5300 EMAIL ScottReynolds5300@gmail.com

Description of Proposal (include additional sheets, as necessary)

Fence is in place when Deck was Built. Ran out of money fence & permit expired using solid 4x4 post for ground front & side which had a fence was removed and fence post put back in place. Dirt had to be brought in to level the property. Can't plant no plants because of clay & transplanting new grass on new dirt.

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

Scott Reynolds
8-27-23
Scott Reynolds

Revised 4.4.2022



TOWN OF EASTON

Office of Building Inspection
14 S. Harrison Street
Easton, Maryland 21601
(410) 822-2526



ACCREDITED

Case No. _____

INSPECTION NOTICE

Permit No. 1707E

Location of Building	Number and Street <u>610 GOLDSBOROUGH ST.</u>	Zone	Date <u>8/25/23</u>	Time <u>11:45</u>
	Subdivision	Map	Parcel	Lot
Property or Permit Holder	Name	Tel. No.		
	Address	Email		

Remarks:

SITE VISIT (FENCE)

*NEED TO STOP WORK ON FENCE
*NEED TO GET HDC APPROVAL
*ONCE YOU GET HDC APPROVAL YOU WILL NEED
TO GET FENCE PERMIT

☐ APPROVED ☐ APPROVED W/ EXCEPTION ☒ DISAPPROVED ☐ DISAPPROVED W/ PENALTY
☐ WAIVED ☐ CANCELLED ☐ PARTIAL _____

When applicable, please call for inspection when corrections have been completed. Acceptance and approval by an inspector of this office is required and must be corrected before _____.

Signature COPY LEFT ON SITE

Printed Name [Signature]

I hereby acknowledge receipt of this notice by my signature, which does not imply agreement or disagreement with its contents

By: [Signature] ANDY COHEN
Inspector

Cody's Fence

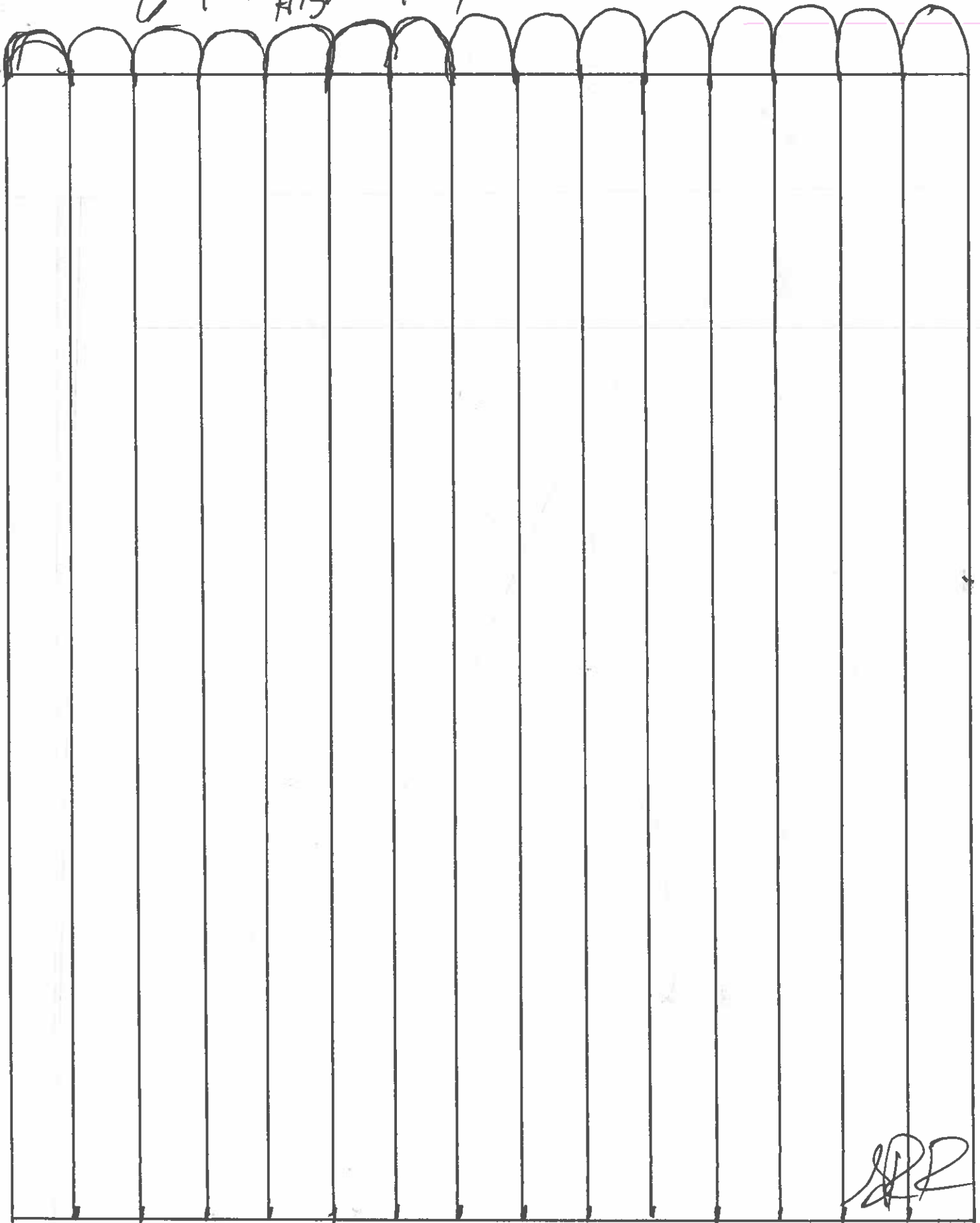
6 FT High after Top soil
is added

6' FT
High
Dirt added



6' x 5 3/4" High wide
Wood Fencing
Front + Side
of ~~House~~ Yard
Chicken to
for open
Ventilation
and Garden
to Be secured

6' FT High Top



$\frac{3}{4}$ " Spacing Between Fence
Bottom Boards









TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 215 Goldsborough Street

Application Number: 2023-1061

Request: Roof Replacement

Staff Recommendation: Approve ☐ Deny ☐ Table ☐

Staff Comments:

The applicant is proposing an in-kind asphalt shingle roof replacement with GAF Timberline HDZ shingles. Additionally, the applicant is proposing to replace the bell tower's cement tile roof with a new synthetic slate roof. The existing cedar shake roofs, trim, gutters, and soffit will remain. This is a contributing structure to the Easton Historic District and is listed on the Maryland Register of Historic Places. The survey file from the Maryland Historic Trust notes that the eastern addition was built in 1870 and at the time the survey was taken had a green asphalt shingle roof.

Historic District Guidelines:

Guideline 70. Roof Material

- a. Retain and repair visible historic roofing materials where feasible.
- b. Where total replacement of all roofing material is required, the new roofing should match the existing material or be a roofing material that is consistent with the building's architectural style.
- c. Heavy-weight architectural shingles are preferred when existing asphalt shingles are replaced.

Appendix B.1 Use of Substitute Materials within the Historic District

“Factors to consider when evaluating the use of substitute materials on a historic building include:”

- Is the existing material historic? Is it a character defining feature of the building?



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

- Will the new materials cover or replace existing historic fabric?
- Will the new product be physically compatible with the surrounding building materials?
- Will the product realistically match the original feature or material in size, proportion, detail, profile, texture, and finish?
- Is the new product durable as compared to the historic material in the same environment?

DRAFT MOTIONS:

1. I move that the Historic District Commission **approve** the application as submitted.

OR

2. I move that the Historic District Commission deny the application based on the following findings...

OR

3. I move an alternate motion.



TOWN OF EASTON
PLANNING & ZONING
 14 S Harrison Street, Easton MD 21601

EASTON HISTORIC DISTRICT SURVEY

PROPERTY #:

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101026925		213 GOLDSBOROUGH ST		DOVER STREET REALTY, INC.			
YEAR BUILT		PHYSICAL CONDITION					
1868*		GOOD					
ARCHITECTURAL STYLE				ADDITION(S)			
GOTHIC REVIVAL							
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				A	T-448	Y	
NOTES							
VINYL SIDING AND NEW DOOR + BASE OF STEEPLE BUT RETAINS MANY IMPORTANT DETAILS INCLUDING STICK WORK + STAINED GLASS. CHANGES APPEAR LARGELY REVERSIBLE							

T-448

St. Peter & Paul Catholic Church

Architectural Survey File

This is the architectural survey file for this MIHP record. The survey file is organized reverse-chronological (that is, with the latest material on top). It contains all MIHP inventory forms, National Register nomination forms, determinations of eligibility (DOE) forms, and accompanying documentation such as photographs and maps.

Users should be aware that additional undigitized material about this property may be found in on-site architectural reports, copies of HABS/HAER or other documentation, drawings, and the “vertical files” at the MHT Library in Crownsville. The vertical files may include newspaper clippings, field notes, draft versions of forms and architectural reports, photographs, maps, and drawings. Researchers who need a thorough understanding of this property should plan to visit the MHT Library as part of their research project; look at the MHT web site (mht.maryland.gov) for details about how to make an appointment.

All material is property of the Maryland Historical Trust.

Last Updated: 04-05-2004

Saint Peter and Paul's Catholic Church and Rectory
213-215 Goldsborough Street
Easton, Maryland 21601

T-448
1866-70

Saint Peter and Paul Catholic Church is an example of the Gothic revival interpreted in a modest frame church of the mid nineteenth century. Quatrefoil and trefoil motifs appear in the pointed arch openings of windows and doors, but dominant decorative elements are those derived from structural elements—brackets and posts. Standing as it does in a residential area of mid and late nineteenth century frame dwellings, the pyramical bell tower provides a counterpoint to the regular, lower house roofs. The building's scale and position, however, are comparable to the houses, maintaining the regularity and intimacy of a street of dwellings. No regular Catholic services were held in Easton until after the Civil War; before that time Redemptorist Fathers came whenever possible by ferry from Annapolis. The church building was dedicated in 1868; the rectory, a two-and-a-half story frame structure, was completed two years later.

MARYLAND HISTORICAL TRUST

2104484509

T 448

Town of Easton

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

1 NAME

HISTORIC

Saints Peter and Paul Catholic Church

AND/OR COMMON

2 LOCATION

STREET & NUMBER

213-215 Goldsborough Street

CITY, TOWN

Easton

VICINITY OF

CONGRESSIONAL DISTRICT

FIRST

STATE

Maryland 21601

COUNTY

Talbot

3 CLASSIFICATION

CATEGORY

☐ DISTRICT

☒ BUILDING(S)

☐ STRUCTURE

☐ SITE

☐ OBJECT

OWNERSHIP

☐ PUBLIC

☒ PRIVATE

☐ BOTH

PUBLIC ACQUISITION

☐ IN PROCESS

☐ BEING CONSIDERED

STATUS

☒ OCCUPIED

☐ UNOCCUPIED

☐ WORK IN PROGRESS

ACCESSIBLE

☒ YES: RESTRICTED

☐ YES: UNRESTRICTED

☐ NO

PRESENT USE

☐ AGRICULTURE

☐ MUSEUM

☐ COMMERCIAL

☐ PARK

☐ EDUCATIONAL

☐ PRIVATE RESIDENCE

☐ ENTERTAINMENT

☒ RELIGIOUS

☐ GOVERNMENT

☐ SCIENTIFIC

☐ INDUSTRIAL

☐ TRANSPORTATION

☐ MILITARY

☐ OTHER

4 OWNER OF PROPERTY

NAME

Saints Peter and Paul's Rectory

Telephone #: 301-822-2344

STREET & NUMBER

c/o Father Clark

Goldsborough Street and Aurora Street

CITY, TOWN

Easton

VICINITY OF

STATE, zip code

Maryland 21601

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,

REGISTRY OF DEEDS, ETC.

Talbot County Court House

Liber #: 125

Folio #: 257

STREET & NUMBER

Washington Street

CITY, TOWN

Easton

STATE

Maryland 21601

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

None

DATE

☐ FEDERAL ☐ STATE ☐ COUNTY ☐ LOCAL

DEPOSITORY FOR
SURVEY RECORDS

CITY, TOWN

STATE

7 DESCRIPTION

CONDITION		CHECK ONE	CHECK ONE
☒ EXCELLENT	☐ DETERIORATED	☐ UNALTERED	☒ ORIGINAL SITE
☐ GOOD	☐ RUINS	☒ ALTERED	☐ MOVED DATE _____
☐ FAIR	☐ UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

This small church building stands on the north side of Goldsborough Street, and is situated very close to the sidewalk.

The structure is two stories in height and covered by a gable roof which faces the street and has a cornice and return. The main entrance is in the center south gable end. A hood with an A-roof and an infill of sawn wooden ornament, covers the entrance. The hood is carried by ornamental wooden brackets and has shaped exposed rafter ends. The double entrance doors, painted red, are modern. They are set in a pointed arch opening with a round transom light of colored glass. On either side of the doors are small windows filled with opalescent glass. A rose tracery window fills the upper portion of the gable.

A square one-bay bell tower rises from the southeast corner of the building. Another entrance exists in the south facade of the bell tower; the pointed arch-shaped opening has modern red double doors and a tracery window in the transom light. A pent eave decorates the tower at the second floor level. Above this is a slender rectangular window and a round opening filled with painted wood.

The belfry has pointed arch openings in each of its four sides; they are filled with wooden louvers and trimmed with scalloped wooden ornament. The tower is topped by a pyramidal roof, which has flared eaves. A steeply pitched false gable breaks through the cornice on each elevation. Wooden bands and corner boards on the belfry add a planar geometric quality to the Gothic revival ornament. A cross with ornamental base tops the tower.

The building is five bays deep. A stained glass window set in a pointed arch opening is found in each bay. At the north gable end is a five sided chancery.

The structure was originally covered with German shiplap siding. It is now stuccoed and painted tan with dark green trim.

To the east is the rectory, a two-and-a-half story structure with gable roof. The gable end faces the street and is finished with a cornice and return. The three-bay house has six over six sashes in each window. The main entrance in the west bay is covered by a one-bay entrance porch with an A-roof carried by round columns. Like the church, this residence is covered with tan stucco and has green trim and a green asphalt shingle roof. It was constructed by the parish in 1870.

Through the years the inside of the church has been altered to reflect changes in fashion and in literacy. Early photographers show that it had painted decoration on the ceiling and wainscoting. A fine brass chandelier, holding candles, hung in the center of the sacristy. In the early twentieth century an embossed-tin ceiling was added. The building is currently undergoing a renovation and modernization.

CONTINUE ON SEPARATE SHEET IF NECESSARY

8 SIGNIFICANCE

PERIOD		AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
☐ PREHISTORIC	☐ ARCHEOLOGY-PREHISTORIC	☐ COMMUNITY PLANNING	☐ LANDSCAPE ARCHITECTURE	☒ RELIGION	
☐ 1400-1499	☐ ARCHEOLOGY-HISTORIC	☐ CONSERVATION	☐ LAW	☐ SCIENCE	
☐ 1500-1599	☐ AGRICULTURE	☐ ECONOMICS	☐ LITERATURE	☐ SCULPTURE	
☐ 1600-1699	☒ ARCHITECTURE	☐ EDUCATION	☐ MILITARY	☐ SOCIAL/HUMANITARIAN	
☐ 1700-1799	☐ ART	☐ ENGINEERING	☐ MUSIC	☐ THEATER	
☒ 1800-1899	☐ COMMERCE	☐ EXPLORATION/SETTLEMENT	☐ PHILOSOPHY	☐ TRANSPORTATION	
☐ 1900-	☐ COMMUNICATIONS	☐ INDUSTRY	☐ POLITICS/GOVERNMENT	☐ OTHER (SPECIFY)	
		☐ INVENTION			

SPECIFIC DATES	Church 1866 Rectory 1870	BUILDER/ARCHITECT	Saints Peter and Paul's Parish
----------------	-----------------------------	-------------------	--------------------------------

STATEMENT OF SIGNIFICANCE

This structure is significant for its architecture and for the place it has had in the establishment of Catholicism in Talbot County.

The building is an example of the Gothic revival interpreted in a modest frame church of the mid-nineteenth century. Quatrefoil and trefoil motifs appear in the pointed arch openings of windows and doors but dominant decorative elements are those derived from structural elements- brackets and posts. Standing as it does in a residential area of mid and late nineteenth century frame dwellings, the pyramical bell tower provides a counterpoint to the regular, lower house roofs. The building's scale and position, however, are comparable to the houses, maintaining the regularity and intimacy of a street of dwellings.

No regular Catholic services were held in Easton until after the end of the Civil War. With the end of slavery, it became urgent that the land-owners and farmers make an effort to induce Irish and German immigrants to come to this area. Since many were of the Catholic faith, even the Protestants backed this movement and contributed financially towards getting a Parish set up and a church built. Among interested people were Mr. and Mrs. Howes Goldsborough, whose letters concerning the construction of this building are extant.

In 1866, a lot was purchased on Goldsborough Street at Aurora and construction was started. Until the building was completed, services were held in the Odd Fellows Hall. The Rectory, adjoining, wasn't completed until 1870. (T-1)

The significance of this congregation has gone far beyond their regular church services.

The Jesuit fathers started a grade school in Easton, which has expanded to include a full High School term as well.

CONTINUE ON SEPARATE SHEET IF NECESSARY

9 MAJOR BIBLIOGRAPHICAL REFERENCES

Deeds and Land Records, Talbot County Court House.

Articles from The Easton Star, June 12, 1866.Notes from an interview with Father Clark of Saints Peter and Paul Church,
July 1976.Letters of Mr. and Mrs. Howes Goldsborough concerning founding of the
Church, C1866.

CONTINUE ON SEPARATE SHEET IF NECESSARY

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY

NA

VERBAL BOUNDARY DESCRIPTION

NA

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE

None

COUNTY

STATE

COUNTY

11 FORM PREPARED BY

NAME / TITLE

Marsha L. Fritz, Consultant

ORGANIZATION

Historic Easton, Incorporated

DATE

October 26, 1976

STREET & NUMBER

Box 1171

TELEPHONE Mr. Paul Parsons,
301-822-2706 President

CITY OR TOWN

Easton

STATE

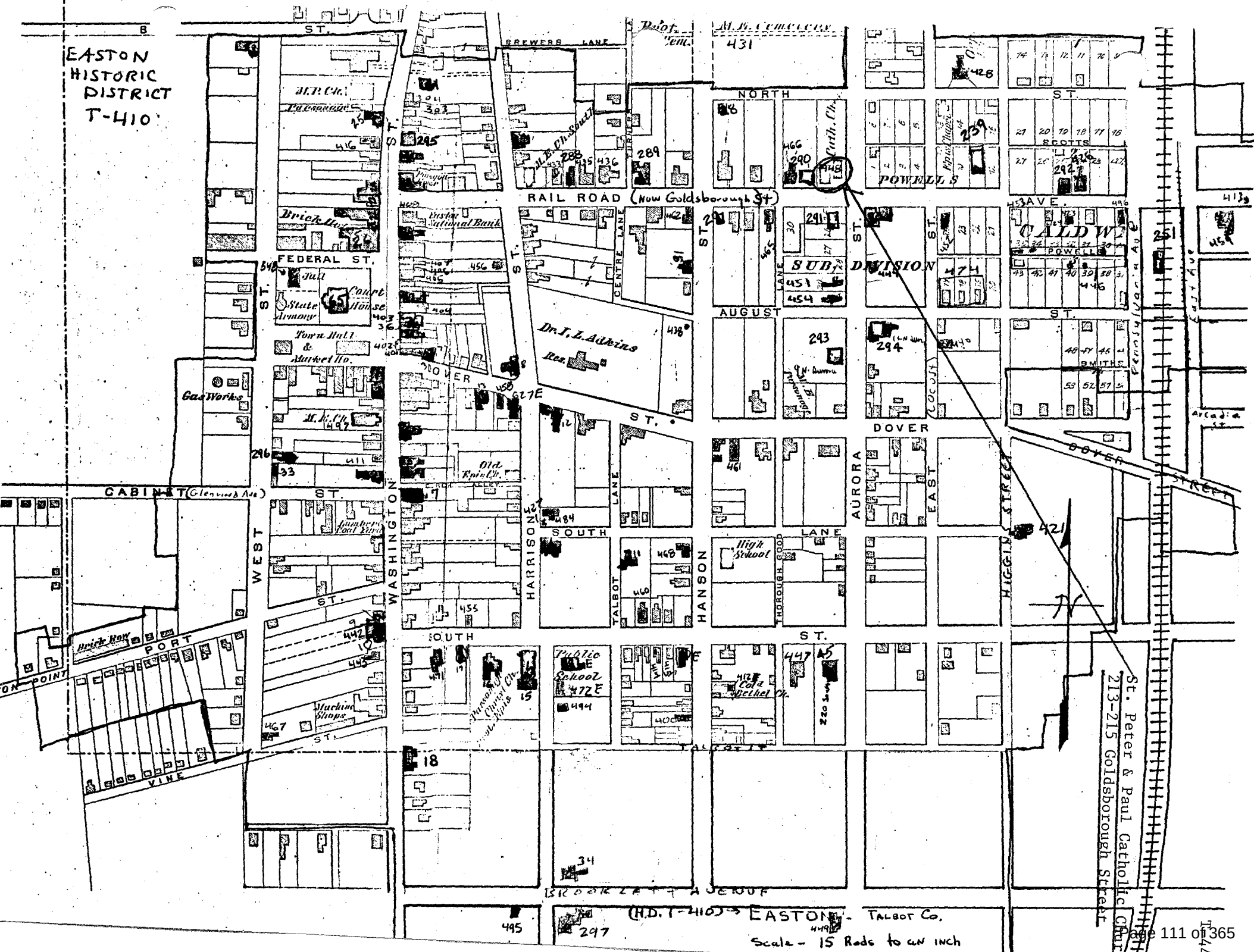
Maryland 21601

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

RETURN TO: Maryland Historical Trust
The Shaw House, 21 State Circle
Annapolis, Maryland 21401
(301) 267-1438

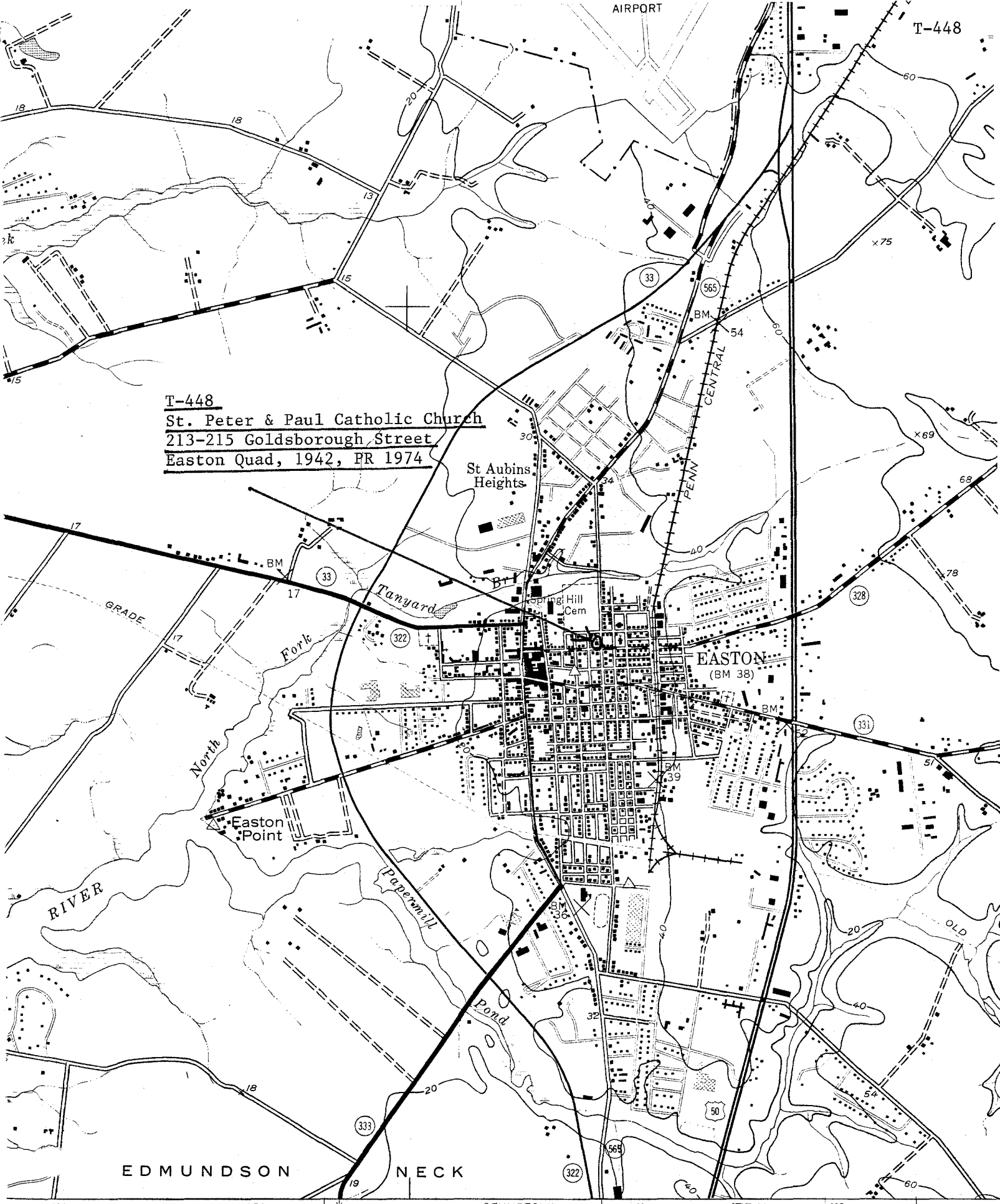
EASTON
HISTORIC
DISTRICT
T-410



(H.D.T-410) EASTON - TALBOT CO.
Scale - 15 Rods to an inch

St. Peter & Paul Catholic Church
213-215 Goldsborough Street

T-448
St. Peter & Paul Catholic Church
213-215 Goldsborough Street
Easton Quad, 1942, PR 1974



EDMUNDSON

NECK

EASTON
(BM 38)

STUMPTOWN 1.8 MI.
TRAPPE 6.7 MI.
(TRAPPE)
5761 II NE
SCALE 1:24 000



SS. PETER & PAUL CATHOLIC CHURCH T-448
13-115 GOLDSBOROUGH STREET
EASTON, MD.
VIEW LOOKING NORTHWEST
AUGUST 1976
MILFRITZ

(RECTORY AT RIGHT OF PHOTOGRAPH)



14 X 1.82

52% Page 115 of 365

T-448

Page 116 of 365



TOWN OF EASTON
PLANNING AND ZONING
 14 SOUTH HARRISON STREET, EASTON, MD 21601

RECEIVED
OCT 13 2023

TOWN OF EASTON

Application #: 2023- 1061
Date Received: 10/13/2023
Fee Paid: 10/13/2023
HDC Meeting Date: 11/13/2023
Date Property Posted: 11/06/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

215 Goldsborough St Easton MD 21601

☐ Contributing

☐ Non-Contributing

YEAR BUILT:

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

CEBIS Covenant Fellowship

TELEPHONE NO.

410 829 1353

EMAIL

cebis581@gmail.com

Applicant or Agent

NAME

Eric Olson

Matt Mister, Bay Area Exteriors

TELEPHONE NO.

410 829-7017/416

EMAIL

cebis581@gmail.com

Description of Proposal (include additional sheets, as necessary)

443-298-1095 matt@baextmd.com

Storm damaged roof to be replaced with in-kind materials. GAF Timberline HDG shingles on all asphalt sections. Cement tile on tower to be replaced with synthetic slate.

Specific Requirements

- The payment of fees is due at the time of application submittal.
 As of December 27, 2022, the fees are as follows:
 Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 3 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Eric Olson

Date

10/5/2023

Printed Name of Applicant or Agent

Eric Olson

Revised 4.4.2022

Images

The following aerial images show different angles of this structure for your reference.

Disclaimer: This report was produced using EagleView Extended Coverage Technology. Due to a variety of reasons including, but not limited to: tree coverage, poor images, low photo resolution or other blockages; this report DOES NOT offer an accuracy guarantee. EagleView recommends that anyone using this report field verify the yellow-shaded sections.



Report: 54216218

© 2008-2023 Eagle View Technologies, Inc. and Pictometry International Corp. - All Rights Reserved - Protected by European Patent Application No. 10162199.3
- Covered by one or more of U.S. Patent Nos. 8,078,436; 8,145,578; 8,170,840; 8,209,152; 8,515,125; 8,825,454; 9,135,737; 8,670,961; 9,514,568; 8,818,770;
8,542,880; 9,244,589; 9,329,749; 9,599,466. Other Patents Pending.

Length Diagram

Shaded areas should be verified

Total Line Lengths:

Ridges = 178 ft

Hips = 309 ft

Valleys = 140 ft

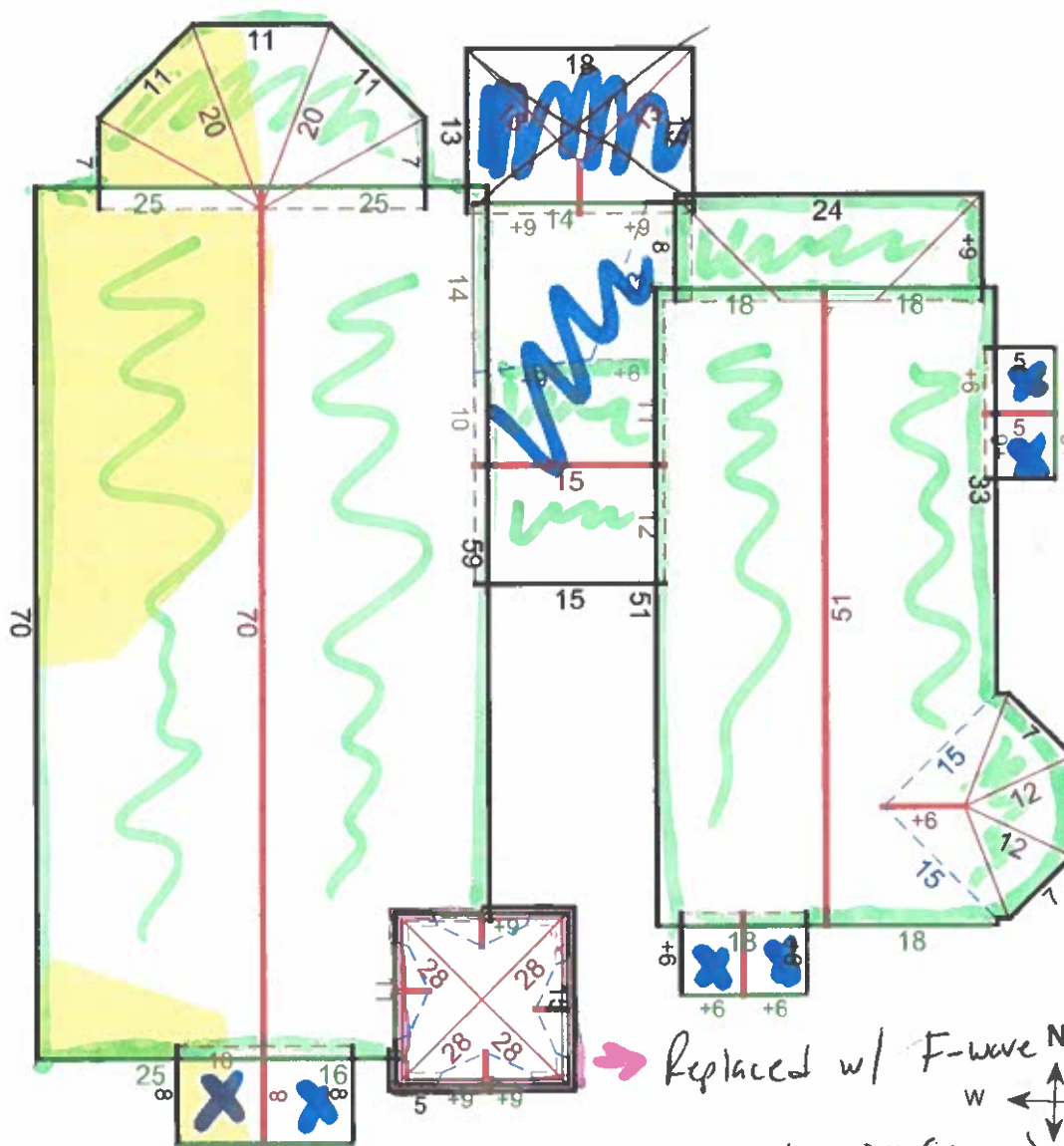
Rakes = 301 ft

Eaves = 485 ft

Flashing = 69 ft

Step flashing = 192 ft

Parapets = 0 ft



10 = to be replaced with GAF Timberline HDZ (charcoal)
 = cedar and other roofs not being replaced

Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5.0 Feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

Disclaimer: This report was produced using EagleView Extended Coverage Technology. Due to a variety of reasons including, but not limited to: tree coverage, poor images, low photo resolution or other blockages; this report DOES NOT offer an accuracy guarantee. EagleView recommends that anyone using this report field verify the yellow-shaded sections.

* - All gutters, trim soffit, cedar roofs to remain unchanged



Report: 54216218

© 2008-2023 Eagle View Technologies, Inc. and Pictometry International Corp. - All Rights Reserved - Protected by European Patent Application No. 10162199.3 - Covered by one or more of U.S. Patent Nos. 8,078,436; 8,145,578; 8,170,840; 8,209,152; 8,515,125; 8,825,454; 9,135,737; 8,670,961; 9,514,568; 8,818,770; 8,542,880; 9,244,589; 9,329,749; 9,599,462. Other Patents Pending.

Images

The following aerial images show different angles of this structure for your reference.

Disclaimer: This report was produced using EagleView Extended Coverage Technology. Due to a variety of reasons including, but not limited to: tree coverage, poor images, low photo resolution or other blockages; this report DOES NOT offer an accuracy guarantee. EagleView recommends that anyone using this report field verify the yellow-shaded sections.



Report: 54476503

© 2008-2023 Eagle View Technologies, Inc. and Pictometry International Corp. - All Rights Reserved - Protected by European Patent Application No. 10162199.3
- Covered by one or more of U.S. Patent Nos. 8,078,436; 8,145,578; 8,170,840; 8,209,152; 8,515,125; 8,825,454; 9,135,737; 8,670,961; 9,514,568; 8,818,770;
8,542,880; 9,244,589; 9,329,749; 9,599,466. Other Patents Pending.

Length Diagram

Shaded areas should be verified

Total Line Lengths:

Ridges = 97 ft**Hips = 0 ft**

Valleys = 0 ft

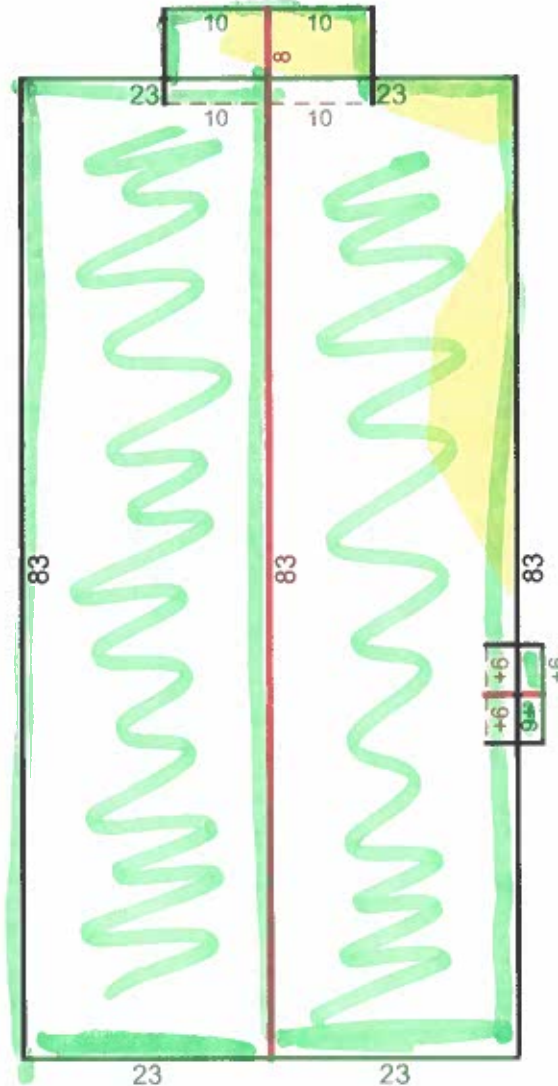
Rakes = 125 ft

Eaves = 193 ft

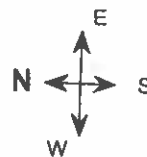
Flashing = 0 ft

Step flashing = 32 ft

Parapets = 0 ft



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- to be replaced
w/ GAF
Timberline HDZ in
Charcoal

* All gutters, trim, soffit to remain unchanged

Note: This diagram contains segment lengths (rounded to the nearest whole number) over 5.0 Feet. In some cases, segment labels have been removed for readability. Plus signs preface some numbers to avoid confusion when rotated (e.g. +6 and +9).

Disclaimer: This report was produced using EagleView Extended Coverage Technology. Due to a variety of reasons including, but not limited to: tree coverage, poor images, low photo resolution or other blockages; this report DOES NOT offer an accuracy guarantee. EagleView recommends that anyone using this report field verify the yellow-shaded sections.



Report: 54476503

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- Covered by one or more of U.S. Patent Nos. 8,078,436; 8,145,578; 8,170,840; 8,209,152; 8,515,125; 8,825,454; 9,135,737; 8,670,961; 9,514,568; 8,818,770;
8,542,880; 9,244,589; 9,329,749; 9,599,466. Other Patents Pending.

GAF Timberline **HDZ**
High Definition™ Hiding Shingles



America's #1-selling shingle just got better — again

Now with GAF Time-Release Algae-Fighting Technology and LayerLock™ Technology, Timberline HDZ® offers everything you can expect from an architectural shingle roof, and more.



Timberline HDZ® Shingles

Benefits:

- **LayerLock™ Technology** — mechanically fuses the common bond between overlapping shingle layers
- **Up to 99.9% nailing accuracy** — the StrikeZone™ nailing area is so easy to hit that a roofer placed 999 out of 1,000 nails correctly in our test¹
- **WindProven™ Limited Wind Warranty** — when installed with the required combination of GAF Accessories, Timberline HDZ® Shingles are eligible for a wind warranty with no maximum wind speed limitation³
- **Dura Grip™** sealant pairs with the microgranule surface of the StrikeZone™ nailing area. Then, an asphalt to-asphalt monolithic bond cures for durability, strength, and exceptional wind uplift performance.
- **25-year StainGuard Plus™ Algae Protection Limited Warranty** against blue-green algae discoloration.² Proprietary GAF Time-Release Algae-Fighting Technology helps protect your shingles from unsightly stains.
- **For the best look** — use TimberTex® Premium Ridge Cap Shingles or TimberCrest® Premium SBS-Modified Ridge Cap Shingles

Colors:



Harvest Blend Colors®



Product details:

Product/System Specifics

- Fiberglass asphalt construction
- **Dimensions (approx.):** 13 1/8" x 39 3/8" (337 x 1,000 mm)
- **Exposure:** 5 5/8" (143 mm)
- **Bundles/Square:** 3
- **Pieces/Square:** 64
- **StainGuard Plus™ Algae Protection?** Limited Warranty
- **Hip/Ridge:** TimberTex®, TimberCrest®, Seal-A-Ridge®, Z®Ridge®, Ridglass®⁵
- **Starter:** Pro-Start®, QuickStart®, WeatherBlocker™

Applicable Standards & Protocols:

- UL Listed to ANSI/UL 790 Class A
- State of Florida approved
- Classified by UL in accordance with ICC-ES AC438
- Meets ASTM D7158, Class H
- Meets ASTM D3161, Class F
- Meets ASTM D3018, Type 1
- Meets ASTM D3462⁴
- Miami-Dade County Product Control approved
- ICC-ES Evaluation Reports ESR-1475 and ESR-3267
- Meets Texas Department of Insurance Requirements
- **Rated by the CRRC:** Can be used to comply with Title 24 Cool Roof requirements (some colors)

¹ Lifetime refers to the length of warranty coverage provided and means as long as the original individual owner(s) of a single-family detached residence (or eligible second owner(s)) owns the property where the qualifying GAF products are installed. For other owners/structures, Lifetime coverage is not applicable. Lifetime coverage on shingles requires the use of GAF Lifetime Shingles only. See the GAF Shingle & Accessory Limited Warranty for complete coverage and restrictions. Visit gaf.com/LRS for qualifying GAF products. Lifetime coverage on shingles and accessories requires the use of any GAF Lifetime Shingle and at least 3 qualifying GAF Accessories. See the GAF Roofing System Limited Warranty for complete coverage and restrictions. For installations not eligible for the GAF Roofing System Limited Warranty, see the GAF Shingle & Accessory Limited Warranty. Visit gaf.com/LRS for qualifying GAF products.

² Results based on study conducted by Home Innovation Research Labs, an independent research lab, comparing installation of Timberline HDZ® Shingles to Timberline HDZ® Shingles on a 16-square roof deck using standard 4-nail nailing pattern under controlled laboratory conditions. Actual results may vary.

³ 25-year StainGuard Plus™ Algae Protection Limited Warranty against blue-green algae discoloration is available only on products sold in packages bearing the StainGuard Plus™ logo. See GAF Shingle & Accessory Limited Warranty for complete coverage and restrictions and qualifying products.

⁴ 15-year WindProven™ limited wind warranty on GAF Shingles with LayerLock™ Technology requires the use of GAF Starter Strips, Roof Deck Protection, Ridge Cap Shingles, and Leak Barrier or Attic Ventilation. See GAF Roofing System Limited Warranty for complete coverage and restrictions. Visit gaf.com/LRS for qualifying GAF products. For installations not eligible for the GAF Roofing System Limited Warranty, see the GAF Shingle & Accessory Limited Warranty.

⁵ Periodically tested by independent and internal labs to ensure compliance with ASTM D3462 at time of manufacture.

⁶ Harvest Blend colors are only available on TimberTex® Ridge Cap Shingles, Seal-A-Ridge® Ridge Cap Shingles, and TimberCrest™ Premium SBS-Modified Ridge Cap Shingles.

Note: It is difficult to reproduce the color clarity and actual color blends of these products. Before selecting your color, please ask to see several full-size shingles.

We protect what matters most™

GAF





Premium Synthetic Roofing Shingles

with a Class 4 Hail Warranty



Ultra-dimensional
premium appearance



Class 4 hail rated
(with warranted coverage)



Tough singlepiece construction



Class A fire rated



Resistant to cracking and fading
(with warranted coverage)



130-mph wind rated
(with warranted coverage)



No granules to fall off



No asphalt to become
brittle

10 SHINGLES
PER BUNDLE

60 SHINGLES
PER SQUARE

6.1" EXPOSURE

6 NAILS PER
SHINGLE



Beautiful Roofing with Superior Performance



Charcoal Blend



Birchwood Blend



Harvest Blend

**Charcoal Blend****Harvest Blend****Birchwood Blend**



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 633 Goldsborough Street

Application Number: 2023-1047

Request: Tree Removal

Staff Recommendation: Approve ☐ Deny ☐ Table ☐

Staff Comments:

The applicant is proposing to remove one large silver maple tree from the front yard of the property. §28-601.E.4.c.i(c) of the Zoning Ordinance, gives the Historic District Commission jurisdiction over removal requests for trees “that exceed 10” in diameter at breast height when removal is requested for reasons other than the health of the tree.” In this instance, the evaluation provided by the Maryland Licensed Tree Expert notes structural issues with the tree that pose a risk to the existing structure, road, and sidewalk. Since the removal request is based on risk mitigation and not on the health of the tree, the Commission is tasked with granting approval.

Historic District Guidelines:

Guideline 19. Trees and Street Plantings

- a. Preserve existing shade trees.
- b. New shade trees should be located where they will not obscure important historic features or damage historic buildings with roots or branches.

Guideline 20. Preserve Historic Landscaping

- a. Whenever possible, existing historic landscaping should be maintained and preserved. If replacement of shrubs or plantings becomes necessary, the same or similar types of plantings should be used.
- b. Landscaping at the front yards of residential properties should generally reflect the period of the home.

Analysis – The Secretary of the Interior’s Standards for Rehabilitation recommend the identification, retention, and preservation of existing site features including trees, shrubs, and



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

herbaceous plant material. These standards also focus on trees positive impact that trees have on a structure's energy efficiency. Given that the both the guidelines and the National Park Service's guidance place an emphasis on the preservation of existing trees, the HDC may wish to request more information on what measures are available and have been perused to preserve this tree.

EXAMPLE MOTIONS

1. I move that the Historic District Commission **approve** the application as submitted.

OR

2. I move that the Historic District Commission **deny** the application based on the following findings...

OR

3. I move an alternate motion.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

EASTON HISTORIC DISTRICT SURVEY

PROPERTY #:

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101003836		633 GOLDSBOROUGH ST		WALES, TREASA KIRBY			
YEAR BUILT		PHYSICAL CONDITION					
1910*		VERY GOOD					
ARCHITECTURAL STYLE				ADDITION(S)			
FOUR SQUARE				NONE APPARENT			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				B		Y	
NOTES							
NEW SIDING WINDOWS + FRONT DOOR BUT RETAINS ESSENTIAL FORM AS WELL AS LOCATION, SETTING, ASSOCIATION AND SOME DEGREE OF FEELING. CONTRIBUTING GARAGE.							



Town of Easton
Engineering, Planning and Zoning
14 South Harrison Street, Easton, MD 21601

RECEIVED
OCT 17 2023
TOWN OF EASTON

Tree Removal Request

Application Type

Removal of Healthy Trees ☐ Removal of Dead / Dying Trees ☒

Owner

Name Treasa Kirby Lednum
Mailing Address 503 Decatur Pl. Easton, MD 21601
Telephone No. 410.829-2095 Email treasa.lednum@gmail.com

Contractor Information

Name Davey Tree Experts License No. 00572 Expiration Date
Mailing Address 12721 Ocean Gateway, Cordova, MD 21625
Telephone No. 410.822.3220 Email Davey.Prier@davey.com

Property Location

Address 633 Goldsborough St.
Tax Map 103 Grid 0 Parcel 0777 Lot 000

Details of Request

Number of trees to be removed 1
Species of tree(s) to be removed Silver Maple
Number of trees to be replanted 0
Species of tree(s) to be replanted

Is the property located in a subdivision? Y ☐ N ☒ Name
Is the property located in the Historic District? Y ☒ N ☐
Is/Are the tree(s) located within the Critical Area? Y ☐ N ☒
Is/Are the tree(s) located within a Forest Conservation Area? Y ☐ N ☒
Is/Are the tree(s) located within any right-of-way? Y ☐ N ☒
Is/Are the tree(s) located within a landscape buffer? Y ☐ N ☒
Is/Are the tree(s) a Maryland State Champion Tree? Y ☐ N ☐
Is/Are the tree(s) fronting a public road ("street trees")? Y ☒ N ☐

Specific Requirements

- ☒ A site plan or accurate drawing shall be included with the application indicating the location of all trees to be removed. The plan shall depict site features such as the location of the 100' Critical Area Buffer, all tidal and non-tidal wetlands, streams, steep slopes, shoreline and any other features relative to the request. The plan shall also identify the locations chosen for replanting.
- ☒ A narrative shall be included with the application describing the existing conditions and the proposed work to be accomplished.
- ☒ Photographs of trees are to be provided.
- ☒ Please provide any landscape architect or arborist evaluation reports.

Any modifications during review shall warrant an updated application.

During review of this application, additional information and action may be required of the applicant and all reviews and approvals shall be obtained prior to the commencement of any work.

I do hereby solemnly declare and affirm that the information provided by this application and the documents attached hereto accurately represent the conditions of the request and that submission of an incomplete application will be returned for correction prior to processing.

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent


10/12/2023
Trease Kirby Lednum

For Office Use Only

Application Date	10/17/2023	Application No.	T 23-12
HDC Approval Date	10/23/2023	Fee Paid	\$75.00
P & Z Approval Date	10/23/2023		

Created 02-2019

RECEIVED

OCT 17 2023

HD 23-121 / T 23-12



TOWN OF EASTON
 PLANNING AND ZONING
 14 SOUTH HARRISON STREET, EASTON, MD 21601

TOWN OF EASTON

Application #: 2023-1047
Date Received: 10/17/2023
Fee Paid: \$75.00
HDC Meeting Date: 10/23/2023
Date Property Posted: -

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

633 Goldsborough St.

☒ Contributing☐ Non-Contributing

YEAR BUILT:

1900

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

Teresa Kirby Lednum

TELEPHONE NO.

410.829.2095

EMAIL

teresa.lednum@gmail.com

Applicant or Agent

NAME

Teresa Kirby Lednum

TELEPHONE NO.

Same as above

EMAIL

Description of Proposal (include additional sheets, as necessary)

See attached narrative and tree removal application.

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 3 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

<i>Teresa Kirby Lednum</i>
10/17/2023
Teresa Kirby Lednum

Revised 4.4.2022

Description of Proposal

I am proposing the removal of a large silver maple in front of the house at 633 Goldsborough Street. I have had work done several times in an attempt to keep this tree viable over the past 20 years. The tree has decayed to the point that it now needs to be removed. It is at risk of causing damage to vehicles driving on the street, as well as damage to the house.

I have spoken to three arborists in regards to the need for removal and suggestions on replacing the tree. The common denominator has been that the tree cannot be replaced in its current position and that another tree of its type is not an option. In addition to the issues of size and space, the tree has created plumbing issues due to its extensive root system. I have hired plumbers on two occasions to remove roots because of a backup in the sewer system.

I have also asked the arborists for recommendations regarding the planting of a tree on the left side of the front yard and they do not feel there is enough room. The town of Easton has an established tree on that side of the house as well, as photographed in two of the pictures provided. In my opinion, the tree would hinder any attempts of a replacement tree providing the character that I believe the historic district would like for the town.

As a side note...the silver maple, with its enormous root system, has prevented the landscaping in the adjacent area to thrive. Several plantings have died as a result. My plan is to replant in those areas and establish grass in the front yard, which I believe will be in line with the streetscape that the town would appreciate.



Client

10/11/2023

TREASA LEDNUM
633 GOLDSBOROUGH ST
Easton, MD 21601-3998

Account #: 6509333
Mobile: (410) 829-2095
Email: practicingsweetness@gmail.com

Tree Risk Assessment

To whom it may concern,

This letter is to serve as notice that I have inspected a 42" DBH Silver Maple at the front of the home and found the tree to be in a declining condition with extensive decay within the main scaffold branches. Due to the tree's close proximity to private structures and public roadways and sidewalks, I recommend the tree be removed to prevent possibly injury to persons and damage to structures.

Please don't hesitate to call me at my office with any questions.

Sincerely,

David Piver
ISA Certified Arborist MA-4038
MD Lic. Tree Expert 00572

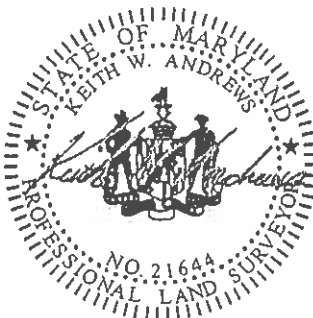
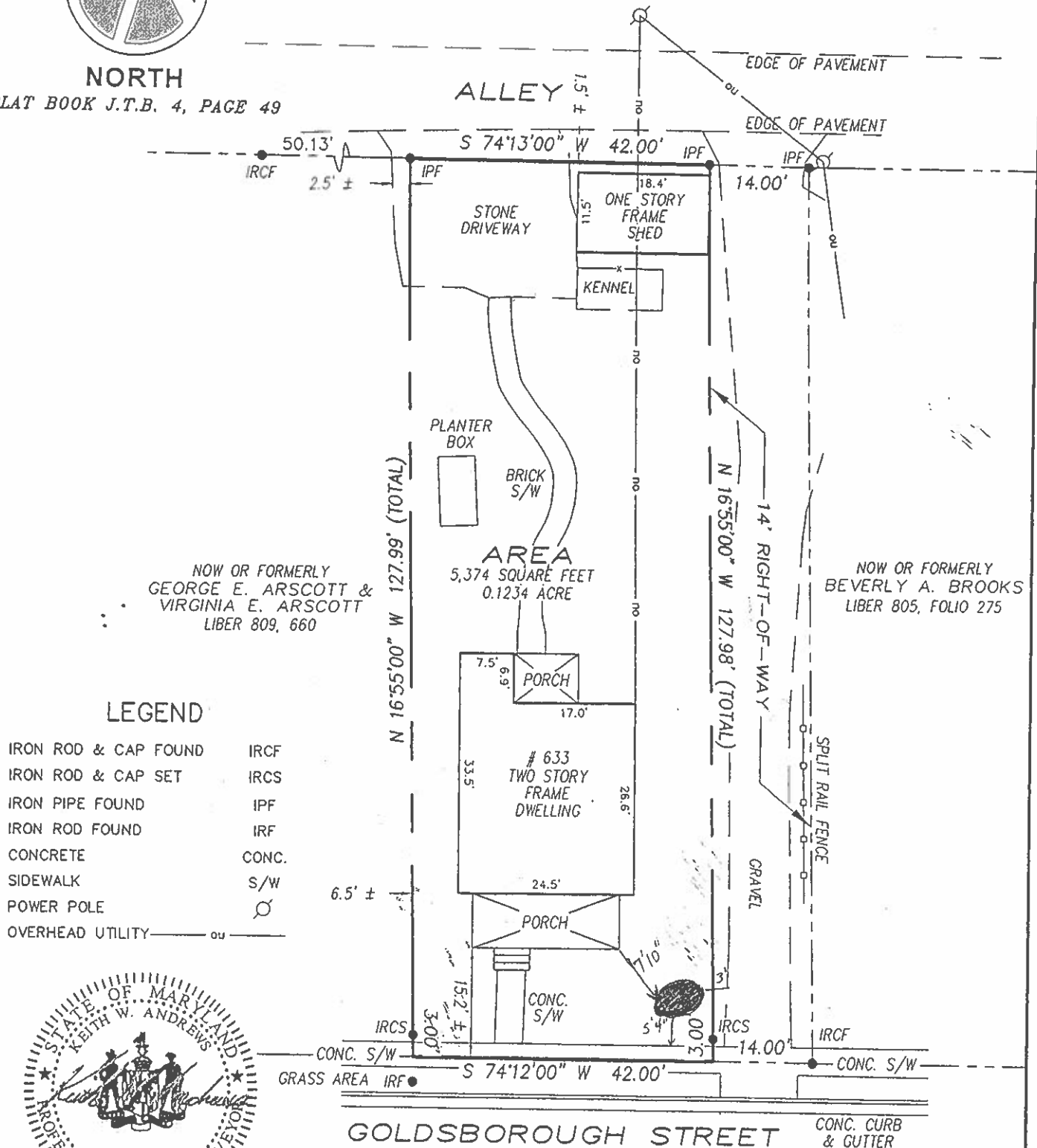
BOUNDARY SURVEY

ON THE LAND OF
TREASA K. LEDNUM
 633 GOLDSBOROUGH STREET
 EASTON, MARYLAND 21601
 FIRST ELECTION DISTRICT, TALBOT COUNTY



NORTH

PLAT BOOK J.T.B. 4, PAGE 49



EXPIRES 12-22-2019

SURVEYOR'S CERTIFICATE

Tree to be removed











NOTICE
RESIDENTS OF THE DISTRICT
APPLICABLE TO THE DISTRICT
OF THE DISTRICT



NOTICE
HISTORIC DISTRICT
APPLICATION PENDING
FOR INFORMATION
410-822-1943

Client

11/10/2023

TREASA LEDNUM
633 GOLDSBOROUGH ST
Easton, MD 21601-3998

Proposal #: 20024652-1697047902
Account #: 6509333
Mobile: (410) 829-2095
Email: practicingsweetness@gmail.com

Tree Risk Assessment

To whom it may concern,

This letter is to serve as notice that I have inspected a 42" DBH Silver Maple at the front of the home and found the tree to be in a diseased and dying condition with extensive decay within the main trunk and scaffold branches. Along the south east side of the main trunk there is visible erosion of the main trunk marked by the bark falling away from grade to a 12" diameter cavity and then further above into an 16" diameter scaffold branch. This decay is a result of a root disease infection of "Armillaria mellea" which originated at the buttress on same side. There is no cure for this type of disease and the erosion of the stem will progress.

Due to the tree's close proximity to the home, public roadway and sidewalk, I recommend the tree be removed as soon as possible to prevent possibly injury or loss of life to persons and damage to structures within striking distance of tree should portions of tree break away.

Please don't hesitate to call me at my office with any questions.

Sincerely,

David Piver 
ISA Certified Arborist MA-4038
MD Lic. Tree Expert 00572



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 11/13/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 112 N Park Street

Application Number: 2023-1072

Request: Windows

Staff Recommendation: Approve ☒ Deny ☐ Table ☐

Staff Comments:

The applicant is proposing to install two new Anderson E-series aluminum clad windows. The window on the rear façade will be a 53” by 27” awning window and the front façade window will be a 16” by 31” picture window. This is a non-contributing structure to the historic district.

Historic District Guidelines:

Guideline 90. Make Sensitive Replacements

- a. Replace windows that cannot be repaired in-kind. Replacement windows must match the original windows in size, proportion, design, and style. The number of windowpanes and the muntin and mullion profiles should match the historic window.
- b. Replacement units for historic divided light (multi-pane) windows must have the appearance of a true divided light. Simulated divided light windows with three dimensional muntins are usually appropriate. “Snap-in” or “between-the-glass” vinyl muntins do not simulate a historic appearance and will not be approved for windows within the historic district.
- c. Maintain the window type. For example, replacing a double-hung window with a casement window is not preferred.
- d. Maintain the historic window opening size and surrounding trim. Altering the window opening to accommodate larger or smaller windows is not preferred.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

e. Where inappropriate replacements were previously installed, and the original window appearance is unknown, neighboring buildings may provide clues to appropriate configurations. In general, a style of window that is in keeping with the architectural style of the building is most appropriate. Where the style of window cannot be determined, a one-over-one window configuration is usually most appropriate.

Analysis – Appendix B of the guidelines states that aluminum clad windows “may be approved for replacement of historic wood windows in cases where the historic windows are deteriorated beyond repair.” In this case, the rear awning window does not appear to be a historic wood window and the front window has been removed and boarded up meaning aluminum clad may be an appropriate replacement material.

STAFF RECOMENDATION:

Staff supports a HDC **approval** of this application as submitted. The proposed windows closely match the existing in style and size and are an appropriate material for the replacement of non-historic windows on a non-contributing structure.

DRAFT MOTIONS:

1. I move that the Historic District Commission **approve** the application as submitted.

OR

2. I move that the Historic District Commission deny the application based on the following findings...

OR

3. I move an alternate motion.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101006924		112 N PARK ST		EBERHARD, ROBERT A			
YEAR BUILT		PHYSICAL CONDITION					
1890		FAIR ALTERED					
ARCHITECTURAL STYLE				ADDITION(S)			
NATIONAL FOLK				REAR			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				B		N	INTEGRITY
NOTES							
AS WITH ITS NEIGHBOR #108 N. PARK, IN A BETTER, LESS ALTERED SETTING THIS MARGINAL MODERNIZED EXAMPLE OF A COMMON BLDG TYPE WOULD WARRANT DESIGNATION AS A CONTRIBUTING RESOURCE, BUT IN ADDITION TO ALTERATIONS, THE ENVIRONMENTAL SETTING IS CHANGED							
DUE TO DEMOLITION + NEW CONSTRUCTION OF A LARGE COMMERCIAL BLDG TWO MID 20TH C OUTBUILDINGS INCLUDING ONE THAT IS 2 STORIES							

OCT 31 2023

TOWN OF EASTON



TOWN OF EASTON

PLANNING AND ZONING

14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #:	2023-1072
Date Received:	10/31/2023
Fee Paid:	\$75.00
HDC Meeting Date:	11/13/2023
Date Property Posted:	11/06/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE
(PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER

NEW CONSTRUCTION/ADDITION EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

112 N Park st

☐ Contributing☐ Non-Contributing

YEAR BUILT:

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

Brandon Berman

TELEPHONE NO.

301-910-1955

EMAIL

Applicant or Agent

NAME

Neil Jones

TELEPHONE NO.

410-829-5068

EMAIL

neil-jones-capriety@yahoo.com

Description of Proposal (include additional sheets, as necessary)

replace two windows on first floor

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

(Signature)

10/31/23

G. Neil Jones

Revised 4.4.2022



Historic District Commission Application Checklist

Revised December 2022

Please complete the section that applies to your application. If a checklist item is not included or is non-applicable, please provide information supporting its omission for the Commission's consideration.

Requirements:

The payment of fees is due at the time of application submittal. As of December, 2022, the fees are as follows:

Commercial - \$200, Residential - \$75, Signs - \$75, Staff Approval - \$25.

The application submitted shall include 2 copies plus 1 digital.

All Applications to Include:

- ☐ A narrative fully explaining the request
- ☐ Photographs of all existing conditions and that will be affected by the proposed project
- ☐ Description of all existing materials and a listing of all materials to be used for proposed project.
- ☐ Manufacturer cut-sheets and material specifications related to all proposed work.
- ☐ Any available and applicable historical photographs, sketches or other documentary evidence illustrating previous conditions and configurations of the building(s)

New Construction / Addition

- ☐ Dimensioned elevations drawn to an appropriate scale illustrating all sides of the proposed structure. Drawings shall include notations outlining roof pitches, trim details and the type of windows and doors to be used for the project
- ☐ Site plan drawn to an appropriate scale and including setbacks and neighboring structures. Site Plan should illustrate the footprint(s) of all proposed EXISTING AND PROPOSED construction.
- ☐ Construction schedule
- ☐ For new construction only, the Commission will require a three-dimensional rendering, superimposed photo, silhouette or model of the proposed structure, other structure(s) located on the subject property and neighboring structures when necessary to understand the visual impact of the new construction and its compliance with the Guidelines.

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - ☐ Windows
 - ☐ Doors
 - ☐ Trim, fascia, soffit, etc
 - ☐ Decking/ porch flooring materials
 - ☐ Roofing Materials, gutters

Windows

Restoration of existing windows is the Commissions first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ➔ ☐ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☐ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ➔ ☐ Materials for the windows must be clearly identified on the cut sheet
- ➔ ☐ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☐ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☐ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details

Landscaping & Trees

- ☐ Landscape plan where existing and proposed landscape features to be installed/planted, removed and/or relocated are identified including the location and species of existing and new trees

Fence

- ☐ Application must Include:
 - A Site plan :
 - Drawn to scale
 - Show and label the location of new and any existing fence. (this can be completed on two separate site plans for clarity)
 - Include location of neighboring structures
 - Identify height of proposed fence, location of gates and other openings
 - If the height or style of fence changes based on location, this must be clearly identified.
 - Proposed fence style and material
 - Include photograph, manufacturer cut-sheet of the fence, or detailed sketch of proposed fence.
 - other relevant construction and or material detail

Demolition

The Historic District Commission (HDC) reserves the right to request a professional inspection of the structure(s). Said request may include evaluation by a historic preservation specialist.

- ☐ Elevations and photographic documentation of all elevations of the structure(s) to be demolished including footprint dimensions, height dimensions and a site plan illustrating location of the structure(s) to be demolished
- ☐ Structural Analysis by Structural Engineer or Licensed Architect
- ☐ For Economic Hardship please provide documentation. Reference Guideline 13.9
- ☐ Attach replacement plan

Other

- ☐ Attach all documentation supporting request

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled HDC meeting, the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

This checklist shall be submitted along with the completed Historic District Commission Application and all additional supporting information.

SOLD BY:

 Shore Lumber & Millwork Centreville
 205 Glendale Ave
 PO Box 540
 Centreville, MD 21617-1315
 Fax: 410-758-8468

SOLD TO:
CREATED DATE

10/30/2023

LATEST UPDATE

10/30/2023M

OWNER

Roland Travers

Abbreviated Quote Report - Customer Pricing

QUOTE NAME	PROJECT NAME	QUOTE NUMBER	CUSTOMER PO#	TRADE ID
BERMAN PROJECT/NEIL JONES	BERMAN PROJECT/NEIL JONES	4892926		

ORDER NOTES:
DELIVERY NOTES:

Item	Qty	Operation	Location	Unit Price	Ext. Price
100	1	Vent	CURRENT LEAD FEB 2024/BERMAN PROJECT ALL WHITE	\$841.21	\$841.21


RO Size = 53" x 27"
Unit Size = 52 1/2" x 26 1/2"

AAX 4' 4 1/2"X2' 2 1/2", Unit, E-Series Awning, 2 7/8" Frame Depth, Rigid Vinyl w/Integral Vinyl Drip Cap, White 2604 Exterior Frame, White 2604 Exterior Sash/Panel, Pine w/White - Painted Interior Frame, Pine w/White - Painted Interior Sash/Panel, Vent, Dual Pane Low-E4 Standard Argon Fill Full Divided Light (FDL) 1 Wide, 3 High, Specified Equal Light Pattern, White, 2604, Pine w/White - Painted, Chamfer Exterior Grille Bar/ Ovolo Interior Grille Bar, 1 1/8" Grille Bar, Ovolo Glass Stop Stainless Glass / Grille Spacer, Folding, White, White Standard, High Performance Keeper, White, Full, Aluminum

WHT LH HARDWARE KIT AWN BAG W6204PKAKW7 PN:9078344

Insect Screen 1: E-Series Awning, AAX 52.5 x 26.5 Full Aluminum White

WHT AWN OPERATOR BOTTOM PLATE24 GA. STEEL PN:0034636

Unit #	U-Factor	SHGC	ENERGY STAR
A1	0.33	0.24	NO



<u>Item</u>	<u>Qty</u>	<u>Operation</u>	<u>Location</u>	<u>Unit Price</u>	<u>Ext. Price</u>
200	1	Stationary	CURRENT LEAD FEB/2024- BERMAN PROJECT	\$397.13	\$397.13

RO Size = 16" x 31"

Unit Size = 15 1/2" x 30 1/2"

CAX 1' 3 1/2"X2' 6 1/2", Unit, E-Series Picture Window, 2 7/8" Frame Depth, Rigid Vinyl w/Integral Vinyl Drip Cap, Sash Set (2 Piece), White 2604 Exterior Frame, White 2604 Exterior Sash/Panel, Pine w/White - Painted Interior Frame, Pine w/White - Painted Interior Sash/Panel, Stationary, Sash Set (2 Piece), Align w/Stationary Stops, Dual Pane Low-E4 Standard Obscure Argon Fill Ovolo Glass Stop Stainless Glass / Grille Spacer

Unit #	U-Factor	SHGC	ENERGY STAR
A1	0.29	0.33	NO

SUB-TOTAL:	\$1,238.34
FREIGHT:	\$0.00
LABOR:	\$0.00
TAX:	\$74.30
TOTAL:	\$1,312.64

CUSTOMER SIGNATURE _____ DATE _____

* All graphics as viewed from the exterior. ** Rough opening dimensions are minimums and may need to be increased to allow for use of building wraps or flashings or sill panning or brackets or fasteners or other items.

Thank you for choosing Andersen Windows & Doors



Window 1
Faces Park st.

A photograph of the rear elevation of a white, single-story house with a gabled roof. The house features horizontal siding and a single, small, rectangular window in the center. The roofline is visible, showing a white gutter. The house is situated on a grassy lawn with scattered autumn leaves. In the background, a white van is parked on the left, and a yellow house is visible further back. The sky is blue with some clouds, and tree branches with yellowing leaves are in the upper right corner.

Rear elevation
Window #2

A window with a white frame and a dark sill. The window is divided into two horizontal panes. The view outside shows a green field in the foreground, a white house with a red roof in the middle ground, and trees with autumn foliage in the background. A black cable hangs across the field. On the sill, there are some small objects, including a black device and some containers.

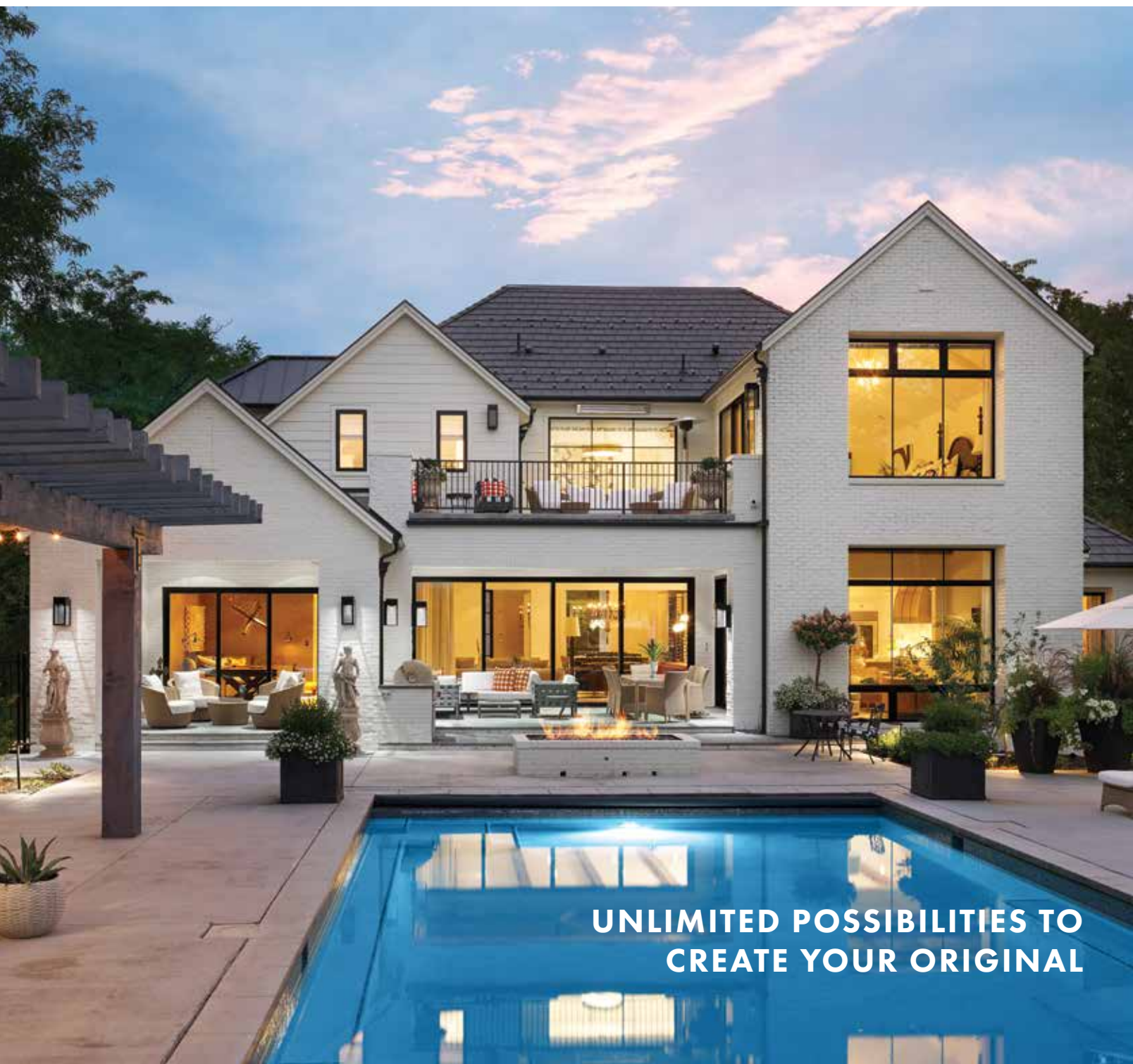
Window #2

Inside kitchen



E-SERIES

Architectural Collection



**UNLIMITED POSSIBILITIES TO
CREATE YOUR ORIGINAL**



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For warranty information, visit andersenwindows.com/warranty.



Throughout this product guide, when you see the arrow icon, click for more information.

NEW!

Andersen Corporation, including its subsidiaries, has been named a 2023 ENERGY STAR Partner of the Year.



Andersen Corporation, including its subsidiaries, has been named a 2020 ENERGY STAR® Partner of the Year – Sustained Excellence Award winner, the highest honor given by ENERGY STAR for continued leadership in protecting the environment through superior energy efficiency achievements.





E-SERIES WINDOWS & PATIO DOORS

E-Series windows and patio doors are made to your exact specifications for unmatched flexibility and design freedom. These premier products allow you to create custom shapes, dramatic sizes and striking combinations to set your work apart. 50 standard exterior colors, custom colors and anodized finishes, plus a range of interior wood species and beautiful interior stains. Or, if your customers want something even more distinctive, we can source virtually any wood species they desire. If it's possible, it's possible with E-Series windows and patio doors. For more information, visit andersenwindows.com/e-series.

MADE STRONG

Aluminum is a distinguishing element that enables us to offer the strength, beauty and design freedom for which E-Series products are known. Through decades of innovation, we have elevated the extruded aluminum-clad window and patio door category and perfected a made-to-order process that is unsurpassed.

STRENGTH

We harness the full strength of aluminum with heavy gauge, extruded aluminum-clad wood sash and frames. Our thick cladding offers greater structural capabilities than thinner, roll-form aluminum, while providing a superior exterior finish that resists the elements of inclement weather, abrasion and impact.*

BEAUTY

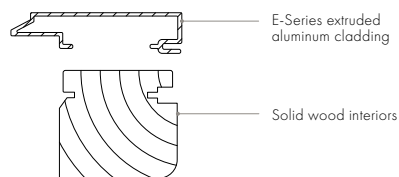
Aluminum offers a smooth finish and versatility in design that enables us to create windows and doors with distinctive character and unparalleled beauty. It provides an essential foundation for our quality, baked-on silicone polyester finish, and it enables us to offer a broad array of unique accessory metals to create or recreate the architectural style you need. And beauty doesn't stop on the outside — we give you the design freedom you need to create a look of distinction both inside and out.

VERSATILITY

Aluminum's strength and versatility allow us to offer beautiful made-to-order design solutions for practically any combination of shapes and styles you can imagine. We offer dozens of exterior accessory metals to match any architectural style, and our colorful 2-, 3- and 4-tone exteriors truly broaden your creative palette.

DURABILITY

Our aluminum cladding withstands nature's toughest elements — the extrusions slide onto the wood and are secured independently, allowing both wood and aluminum to expand and contract naturally. Our products are engineered to open, close, support, swing or slide reliably day after day.*



A solid wood core and extruded aluminum cladding give E-Series windows both strength and flexibility in many design applications.



*Visit andersenwindows.com/warranty for details.

ENGINEERED FOR PERFORMANCE & DURABILITY

ENERGY-SAVING GLASS FOR ANY CLIMATE

Andersen makes windows and patio doors with options that make them ENERGY STAR® v. 6.0 certified throughout the United States. Visit andersenwindows.com/energystar for more information and to verify that the product with your glass option is ENERGY STAR certified in your area.



LOW-MAINTENANCE EXTERIORS

Baked-on silicone polyester enamel exteriors offer virtually maintenance-free performance and durability. They're warranted for 10 years against chalking and color change and for 20 years against cracking, checking, peeling, flaking, blistering and loss of adhesion.*

E-Series offers a range of anodized and AAMA 2604 and AAMA 2605 rated paint finishes for unsurpassed design flexibility to complement and enhance any design aesthetic. These finishes help provide long term cosmetic and functional protection due to their resistance to moisture, UV radiation, weathering and ozone.



Coastal Windows **DISCONTINUED**

PROTECTION FOR COASTAL AREAS

E-Series windows and patio doors with Stormwatch® Protection meet building code requirements in many Gulf and Atlantic coast states. See your local building code official for specific requirements. Visit andersenwindows.com/coastal for more information.



BUILT FOR YEARS TO COME

Our renowned Owner-2-Owner® limited warranty is fully transferrable and not prorated, making it one of the best coverage plans available — which means it can add resale value for your customers. It's also supported by the industry's largest service network.*

OWNER2OWNER®
LIMITED WARRANTY

*Visit andersenwindows.com/warranty for details.



CONTEMPORARY STYLE

Modern home styles incorporate clean lines, simple forms and open floor plans. They often feature floor-to-ceiling windows or doors with narrow profiles to maximize light and view, have multiple units arranged in rectangular groupings and use dark colors or metal finishes. E-Series products are available in these options to let you create a contemporary style.



Interior of black hinged patio door with a contemporary panel (3 1/8" profile)

CONTEMPORARY DESIGNS

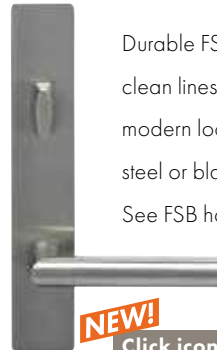
Dark colors and narrow profile options on windows, patio doors and even grille options offer a truly contemporary style.



Contemporary grille profile in black with black spacer bar

BEAUTY

Durable FSB® hinged door hardware features clean lines and a sleek finish for a thoroughly modern look. Choose from a satin stainless steel or black anodized aluminum finish. See FSB hardware options on page 29.



NEW!

Click icon for **DESIGNER HARDWARE**.



SLEEK INTERIORS

High-quality, factory-applied interior finishes offer convenience along with beauty. For a modern look, choose a black or anodized silver painted interior.



BRING YOUR VISION TO LIFE

Andersen has done extensive research into many architectural styles and how windows and patio doors play a critical role in achieving them. We've compiled it all into our Home Style Library. Whether you're looking for a modern home style or something more traditional, our library shows how easily you can achieve each style with our Andersen® products. To view our complete Home Style Library, visit andersenwindows.com/stylelibrary.



Miesian Modern



Industrial Modern



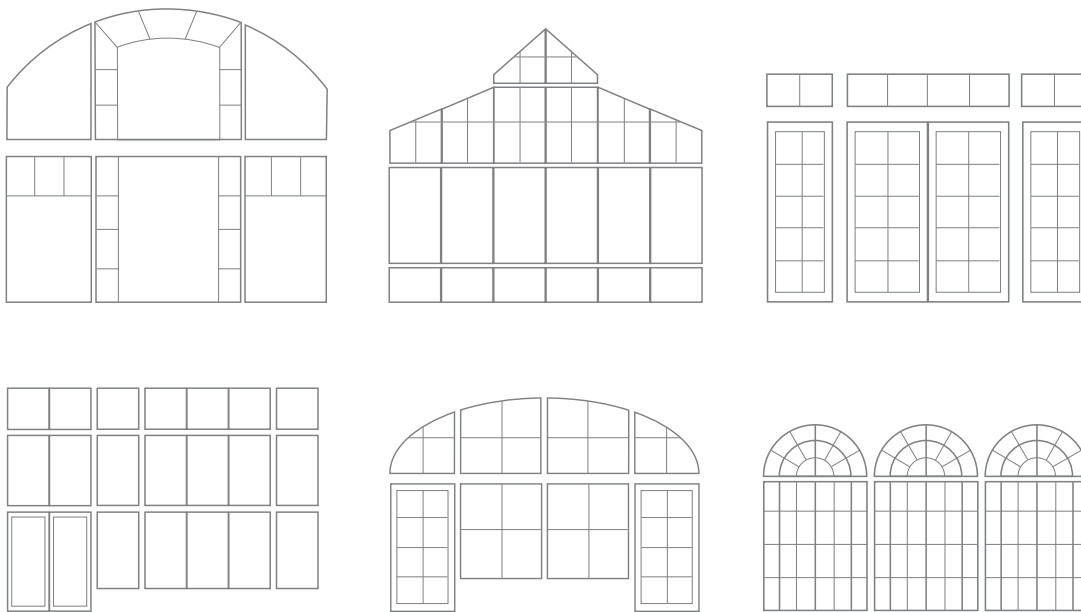
International Modern

UNLIMITED COMBINATIONS

E-Series windows and patio doors are made to your exact design specifications. Because we make your window or door especially for you, and since our options are virtually limitless, you have the advantage of combining shapes, sizes and styles for new construction or remodeling applications.

BUILDING BLOCKS

Our complete window and door styles are your building blocks for making any architectural statement. We give you the products and the design freedom you need to create the perfect solution for your project whether residential or commercial, new construction or remodeling. Unique shapes in varying combinations create focal points that become defining architectural elements.



SIZING OPTIONS

We believe you shouldn't have to settle for "close enough." Our made-to-order process enables us to make your windows and doors to the specific size you need. So when you go from inspirational sketch to architectural drawing, know that we will fulfill your design needs. We provide a thorough range of sizes for most applications and offer custom sizing anytime you need it.



UNLIMITED EXTERIORS

Color enhances your design and is a vital element of every architectural style. We believe it shouldn't have to cost more which is why our 50 exterior colors, an industry-leading modern palette, are available at no additional cost. Add to that our 2-, 3- and 4-tone exteriors and set your E-Series windows and patio doors apart from the rest.

If your inspiration comes from an autumn leaf, a river-washed stone, a glass of fine wine or even a classic car, we will bring it to life with our custom color capabilities. And for a look of distinction, we offer seven spectacular anodized finishes that truly shine.





50 EXTERIOR COLORS

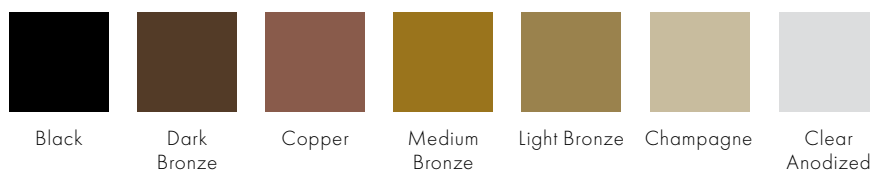
Our exclusive line of exterior colors offers a broad spectrum of quality, baked-on, silicone polyester enamel exteriors that meet AAMA 2604 specification. AAMA 2605 color compliance is also available.* Our limited warranty covers exteriors for 10 years against chalking and color change and 20 years against cracking, checking, peeling, flaking, blistering and loss of adhesion.**

EXTERIOR COLORS



7 ANODIZED FINISHES

Choose from a spectacular selection of anodized finishes. Anodizing is a process that penetrates the aluminum like a stain penetrates wood. The result is a rich, lustrous metallic appearance that cannot peel or flake and is not affected by sunlight.** This process produces a harder, more durable finish that makes this a perfect choice for high-traffic areas in commercial or residential buildings.



*AAMA 2605 finishes are available in any of our 50 colors or select a custom color of your choice.

**Visit andersenwindows.com/warranty for details.

Printing limitations prevent exact color and finish replication. See your Andersen supplier for actual color and finish samples.



CUSTOM COLORS

While our large selection of exterior colors covers a lot of ground, inspiration comes in infinite hues. Let us match a paint chip, a photograph, a favorite work of art to bring your dream color into the light of day.

2-, 3- AND 4-TONE EXTERIORS

With our 2-, 3- and 4-tone color combinations, the sky's the limit. Mix and match up to four of our 50 exterior colors on the frame, sash, exterior trim and grilles for a combination look that's all your own.



Country blue and stormy blue



Sage, moss and canvas

A RANGE OF INTERIORS

Natural wood adds character to your design and defines a room's character while creating a warm, comfortable space that leaves a lasting impression. We offer distinctive wood varieties, custom wood species and interior stain and paint options to meet your design needs.

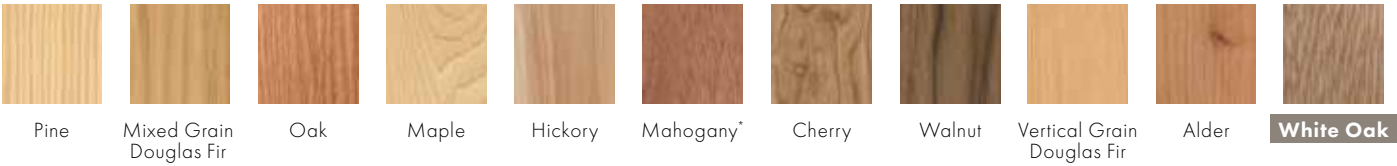




DISTINCTIVE WOOD SELECTIONS

Our distinctive woods add uncommon flair to any room. Each option has its own character, grain and staining capabilities, so you can select one that makes your windows stand out or one that blends seamlessly with your interior décor.

INTERIOR WOOD SPECIES



CUSTOM WOOD INTERIORS

If a unique wood species is required to complete your project, we will try to source any variety that meets our production standards and your needs.

* Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Wood species shown are unfinished.

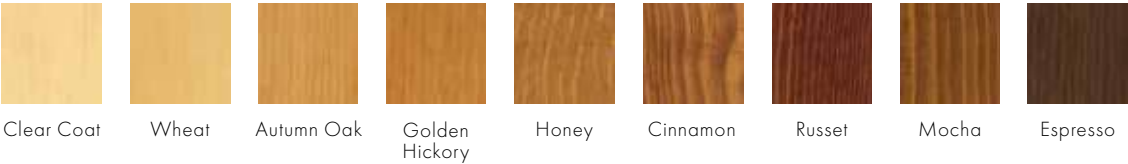
Naturally occurring variations in grain, color and texture of wood make each window one of a kind. We cannot guarantee consistency in wood grain and/or color within a particular species, product or project.



VARIETY OF INTERIOR FINISHES

Our high-quality, factory-applied stains offer you convenience along with beauty. Before staining, each wood component is treated with a preservative and insect repellent and dried thoroughly. We apply two coats of polyurethane for a long-lasting,* durable finish, and because every exposed edge is stained before the window is assembled, you get a complete, consistent finish. Choose from nine stain colors. If you prefer a painted interior, choose one of our painted or primed options.

STAINED INTERIOR OPTIONS



Stained interior options shown on pine.

PAINTED INTERIOR OPTIONS



Painted interior options available on pine.
Dark bronze and black also available on maple.
Anodized silver available on maple only.

CUSTOM STAINS, PAINTS & COLOR MATCHING

When only a specific tint will do, we will create one for you, matching existing
woodwork, interior furnishings or other items for just the right finish to your design.

*Visit andersenwindows.com/warranty for details.
Please note that custom finishes and primed option require additional finishing. Some nail and staple holes may need to be filled prior to applying the final finish.
Printing limitations prevent exact finish and color replication. See your Andersen supplier for actual finish and color samples.

EXTERIOR & INTERIOR TRIM OPTIONS

Details take your project from ordinary to extraordinary. The perfect finishing touches make every window and patio door an irreplaceable part of any home or commercial building. We offer the trim and accessory metals that make the final details of your project easier to complete and more beautiful to look at.

EXTERIOR TRIM

Designed to add depth and traditional appeal, our exterior trim options extend outward from the window or door frame, casting a shadow line consistent with true historical applications. Choose from our extended selection of flat and profiled casings, brick mould casings and sill nose. Match or contrast the trim with your windows and doors in any of our 50 exterior colors, custom colors and anodized finishes.



3 1/2" backband and bead casing and 1 1/2" sill nose shown on casement



3 1/2" flat casing shown on hinged inswing patio door



2" brick mould and 1 1/2" sill nose shown on casement



3 1/2" brick mould and 1 1/2" deep sill nose shown on double-hung

INTERIOR TRIM COMPONENTS

Extension Jamb

Pre-installed, dimensional extension jambs save time on jobsites and help enable a perfect installation. Available in all wood species, extension jambs can accommodate a wide variety of wall conditions.



Drywall Returns

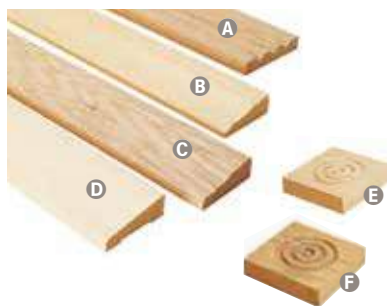
We offer drywall returns in three depths:

1 1/16", 3/16" and 7/16"



Wood Casing

A subtle touch around the perfect window or door makes your view even more special. Choose from four different casings and add plinth blocks at the corners for just the right touch of detail.



- A** 1/2" x 3 1/4" Fluted Casing
- B** 1 1/16" x 2 1/4" Colonial Casing (WM366)
- C** 1 1/16" x 2 1/4" Colonial Casing (WM356)
- D** 1 1/16" x 2 1/4" Ranch Casing (WM324)
- E** 2 1/2" Plinth Block
- F** 3 1/2" Plinth Block



UNLIMITED VIEWS

Whether your design demands performance, clarity or architectural detail, we have the glass and divided light solutions to make your views spectacular. For performance needs in a variety of environments, we offer a multitude of glass options, including our High-Performance Low-E4® glass and our exclusive Stormwatch® impact-resistant product systems for severe weather conditions.*

And for visual impact, made-to-order decorative glass and grilles give you infinite possibilities, so your design will be as original as your inspiration.

*See your local code official for building code requirements in your area.





GLASS OPTIONS

We offer a multitude of glass options to meet all of your design needs. Whether you're in need of energy efficiency or resistance to harsh weather conditions, we provide the solutions for you.

Low-E4® Glass, our standard glass option, provides excellent insulation from heat and cold. Compared to ordinary dual-pane glass, High-Performance Low-E4 glass is up to 44% more energy efficient in winter and up to 57% more efficient in summer.* Or consider Sun glass with its soft, glare-controlling tint.

Low-E4 Passive Sun® Glass is a great solution for colder climate zones where higher heat gain is desired. It allows a higher amount of the sun's heat to pass into the home, making it an ideal solution for passive solar applications.

Low-E4 SmartSun™ Glass combines performance with clarity — letting more light in and keeping more heat out. It blocks 95% of the sun's damaging ultraviolet rays. Enjoy the performance benefits of tinted glass without the loss of visibility.

Triple-Pane Glass with three panes of glass, combined with Low-E coatings, can provide enhanced energy performance. Adding triple-pane glass can produce a lower U-Factor than using regular dual-pane glass.

HeatLock® Technology can increase the energy efficiency of any E-Series window or door with Low-E4 or SmartSun glass. Applied to the room-side glass surface, it reflects heat back into the home and improves U-Factors, which can help the window or door meet ENERGY STAR® requirements.

Laminated Glass offers sound protection by reducing unwanted outside noise, making it ideal for locations like airports and high-volume traffic areas. It also provides forced entry and impact resistance.

Decorative & Specialty Glass options are also available. See our decorative glass collection at andersenwindows.com/artglass or combine beveled, frosted, grooved, colored or textured glass with three coming options to create your own design. Specialty glass includes tinted glass, spandrel glass and Mapes panels as well as rain, reeded and obscure glass options.

A removable translucent film shields glass from damage and simplifies finishing and cleaning on the jobsite.

GLASS SPACERS available in black, white and stainless steel.

GLASS	ENERGY		LIGHT	
	U-Factor	Solar Heat Gain Coefficient	Visible Light Transmittance	UV Protection
	How well a product prevents heat from escaping.	How well a product blocks heat caused by sunlight.	How much visible light comes through a product.	How well a product blocks ultraviolet rays.
SmartSun™	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
SmartSun with HeatLock® Coating	● ● ● ●	● ● ● ●	● ● ○ ○	● ● ● ●
Low-E4®	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Low-E4 with HeatLock Coating	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ○
Sun	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
Passive Sun	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
Triple-Pane	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ●
Clear Dual-Pane	● ○ ○ ○	○ ○ ○ ○	● ● ● ●	○ ○ ○ ○

Center of glass performance only. Ratings based on glass options available as of January 2019. Visit www.andersenwindows.com/energystar for ENERGY STAR® map and NFRC total unit performance data.

*Winter and summer values are based on comparison of E-Series 3866 double-hung window U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables. See your Andersen supplier for actual glass samples.

"ENERGY STAR" is a registered trademark of the U.S. Environmental Protection Agency.

STORMWATCH® PROTECTION

Designed for use in coastal areas, these systems combine monolithic or insulated laminated glass with structural enhancements to meet or exceed the stringent code requirements of ASTM and TAS testing protocols.* You get the performance you need with the design options you want.

PRODUCT AVAILABILITY

Coastal Windows DISCONTINUED dows including casement, awning, double-hung** and fixed windows. Impact-resistant double-hung windows utilize two or more snuggers applied to the sill, creating a structural connection between the lower sash and frame. Simply close and lock the window and it's ready to withstand even the toughest weather conditions.*

We also offer a variety of coastal patio doors including inswing patio doors (impact-resistant insulated glass options only), outswing patio doors and French gliding patio doors. Surface bolts are required for impact certification of double doors.

Plus, you can select any of our 50 exterior colors, anodized finishes or custom colors. Choose from a variety of wood species, interior finishes, hardware, grille options, VeriLock® sensors and more. The only options not available on coastal products are decorative glass, blinds and shades.

Sensors DISCONTINUED

PERFORMANCE & DURABILITY

Impact-resistant glass provides windborne debris protection*, reduced sound transmission and burglar resistance.

Designed to satisfy:

- AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11
- Large missile impact test ASTM E1886/E1996
- TAS 201, 202, 203 (excluding inswing patio doors)
- Peace of mind with 24/7 protection

PG65[†]
Coastal Windows DISCONTINUED
E-Series Casement 3060 HP Impact DP+65/-75
(AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11)

Double-hung window
with Stormwatch Protection



Impact-Resistant Insulated Glass Options*

- Low-E
- SmartSun™
- Bronze or Gray
- Bronze/Bronze or Gray/Gray (meets Florida Turtle Code)

Impact-Resistant Monolithic Glass Options*

- Low-E
- SmartSun
- Bronze, Gray or Green
- Clear

StormWATCH
PROTECTION

*See your local code official for building code requirements in your area.

**Double-hung windows are only available with impact-resistant monolithic bronze, gray, green and clear glass options.

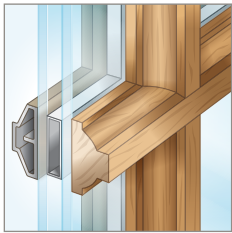
†E-Series Casement 3060 HP Impact DP+65/-75 (AAMA/WDMA/CSA 101/I.S.2/A440-08 & -11). For more information, visit andersenwindows.com/e-series.

ARCHITECTURALLY AUTHENTIC GRILLES

We offer a variety of grille styles and patterns to choose from, or design your own with varying lines, curves and shapes.

FULL DIVIDED LIGHT (MODERN DIVIDED LIGHT)

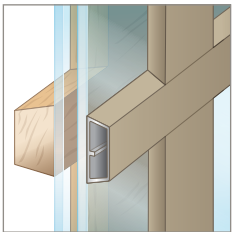
Give any window an authentic look with full divided light grilles that are permanently applied to the interior and exterior of your window with a spacer between the glass. Available in ovolo (colonial) and contemporary profiles.



Chamfer exterior grille and ovolo interior grille profiles

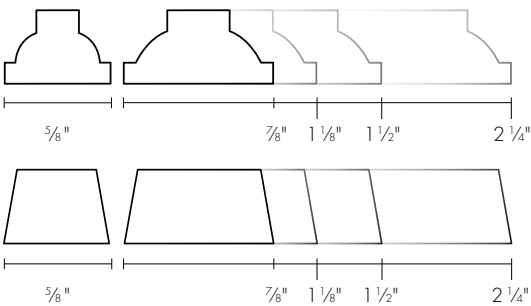
SIMULATED DIVIDED LIGHT (CLASSIC DIVIDED LIGHT)

An economical solution with traditional beauty, our simulated divided light features fixed exterior and interior grilles without an internal spacer. Available in ovolo and contemporary profiles.

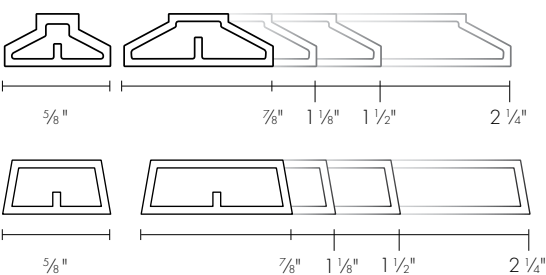


Contemporary exterior and interior grille profiles

Interior

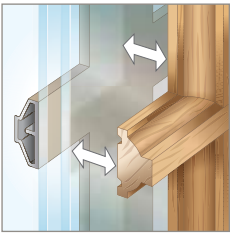


Exterior

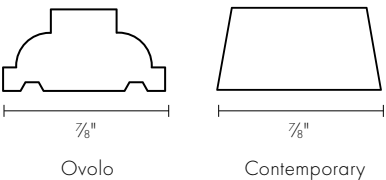


REMOVABLE INTERIOR WOOD GRILLES

Our removable wood grilles are installed on the interior surface. They are available with an optional surround and an optional permanently applied exterior grille. Available in ovolo and contemporary profiles.

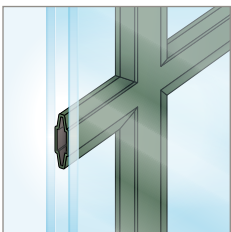


Ovolo profile and optional permanently applied exterior grille with chamfer profile

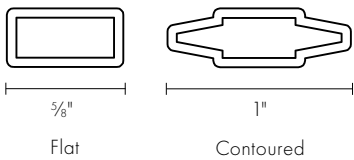


FINELIGHT™ GRILLES-BETWEEN-THE-GLASS

Aluminum grilles conveniently placed between two panes of glass make the glass easy to clean inside and out.



1" contoured profile



Contoured profile also in 3/4"

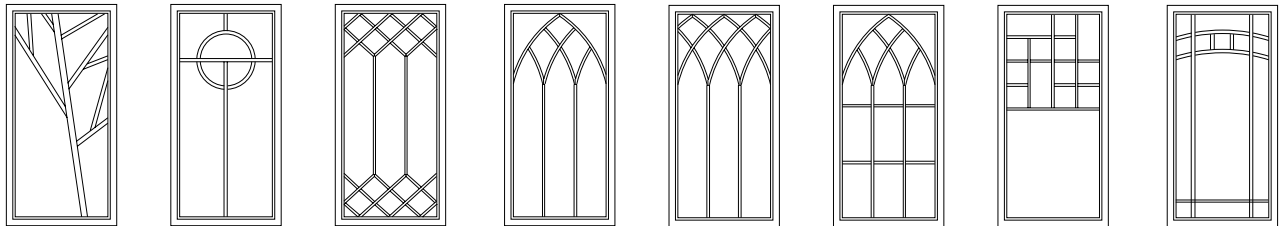
5/8" Color Options	1" Color Options
Colony White	Sierra Bronze/Colony White
Sierra Bronze	Pebble Tan/Colony White
Pebble Tan	Forest Green/Colony White
Forest Green	Choose from our broad palette of 50 colors or select from the two-tone paint combinations shown above.

Available in any color combination in addition to those shown.



DESIGN YOUR OWN GRILLES

We offer a variety of grille patterns to choose from, or design your own with varying lines, curves and shapes to create a truly unique pattern.



SCREEN OUT THE INSECTS, NOT THE VIEW

E-Series insect screens let the beauty of the outdoors in, while keeping even small insects out. Choose from a wide selection of insect screen styles, including options that blend seamlessly with your window.

WINDOW INSECT SCREENS



TruScene



Conventional



Retractable

TruScene® Insect Screens*

TruScene insect screens for windows are made with a micro-fine stainless steel mesh. They let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects.

Wood-Veneer Insect Screens

For a clean appearance, E-Series interior window insect screens can feature a wood veneer to blend into your window.

Retractable Insect Screens

Retractable insect screens for casement and awning windows offer a sleek addition to any home. In place, the insect screen keeps insects out. When retracted, it provides a beautiful clear view.

PATIO DOOR INSECT SCREENS

Retractable Insect Screen**

This insect screen is built with an innovative color-matched aluminum housing that hides the insect screen when not in use. It's there when you need it and gone when you don't.

Hinged Insect Screen

Available for hinged inswing doors, this solid insect screen offers a full-door view and features a lockable latch and automatic closer.

Top-Hung Gliding Insect Screen

Open your room to the outdoors with the touch of a finger.

Our top-hung gliding insect screen provides smooth and reliable operation, season after season†

*TruScene wood-veneered insect screens utilize a different frame profile than other E-Series wood-veneered insect screens.

**Retractable insect screens are available on inswing, outswing and gliding patio doors. See your Andersen supplier for details.

†Visit andersenwindows.com/warranty for details.

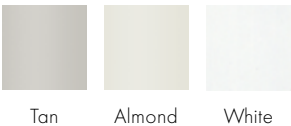
All comparisons are made to conventional E-Series aluminum insect screens.

BETWEEN-THE-GLASS BLINDS & SHADES

What could be more convenient than blinds or shades between the panes of glass? Minimal cleaning and no worry about damage. It's simply a fitting way to put privacy at your fingertips. E-Series blinds and shades offer the ultimate in practicality for both residential and commercial applications.

BLINDS-BETWEEN-THE-GLASS

E-Series blinds-between-the-glass can be installed in many of our patio doors and rectangular picture windows. Placed between the two panes of glass away from dust, dirt and damage, you get the benefit of energy efficiency and privacy, control and convenience of blinds.



Blinds-Between-the-Glass

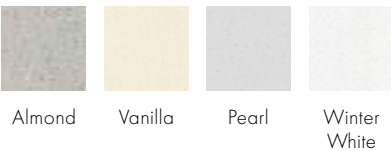
SYSTEM 3 BLINDS & SHADES

Add privacy and even greater energy efficiency with this low-maintenance blind or shade solution. Applied to the interior of the sash, the System 3 design creates a triple-glazed window for incredible energy efficiency. Our 5/8" blinds and pleated shades are available for casement, awning and picture (specialty auxiliary) windows, plus hinged patio doors, and are mounted to an extruded aluminum storm panel and applied to the interior of the sash. The removable storm panel is available in tan, gold, white or wood veneer.

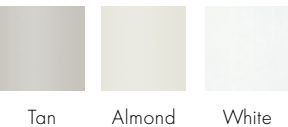
Control Knobs



Shades



Blinds



System 3 Shades System 3 Blinds

*Not all sizes of blinds-between-the-glass are retractable.
Printing limitations prevent exact color duplication. See your Andersen supplier for actual color samples.

WINDOW HARDWARE

Complement a home's decor with E-Series window hardware,* available in a variety of finishes.

Casement & Awning



Operator Handle & Cover

Antique Brass | Black **Polished Chrome** Bronze | Gold
Oil Rubbed Bronze | Pewter **Bright Brass** | Satin Chrome | White

Push Out Casement & Awning

Push Out Casement & Awning **DISCONTINUED**



Lock Handle



Insect Screen Pull

Antique Brass | Black
Oil Rubbed Bronze
Polished Brass
Satin Chrome | White

French Casement



Operator Handle & Cover

Antique Brass | **Black** **Polished Chrome** Bronze
Bright Brass | Satin Chrome | White



Sash Lock

Double-Hung



Sash Lift



Lock

Antique Brass | Black **Polished Chrome** Bronze | Gold
Oil Rubbed Bronze | **Pewter** **Bright Brass** | Satin Chrome | White



Sensors DISCONTINUED

Optional sash lock with VeriLock® security sensor shown in black. See page 27 for more information.

Gliding Windows



Lock

Antique Brass
Black **Polished Chrome**
Bronze | Gold
Oil Rubbed Bronze
Pewter | **Bright Brass**
Brushed Chrome | White



Slim Line Sash Pull

Antique Brass
Black
Bronze
Gold
Bright Brass
White
Brushed Chrome
Oil Rubbed Bronze

Bold name denotes finish shown.

HARDWARE FINISHES



Antique Brass | Black | Bright Chrome | Bronze | Gold | Oil Rubbed Bronze | Pewter | Polished Brass | Satin Chrome | White

*Hardware sold separately.

Oil rubbed bronze is a "living" finishes that will change with time and use.

Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

THE SMARTEST TECHNOLOGY FOR THE SMARTEST HOMES

Andersen® E-Series windows and doors can now be part of today’s connected home. Monitor the status of your windows and patio doors anytime and from anywhere with our sensor options.* Plus, our new Yale® Assure Lock®, shown on page 29, lets you remotely lock or unlock your hinged patio doors.* Learn more about the convenience and peace of mind Andersen smart home products offer at andersenwindows.com/connect.

VeriLock & Open/Closed Sensors DISCONTINUED



Double-Hung Sash Lock VeriLock Security Sensor



Open/Closed Sensor

VERILOCK® SECURITY SENSORS

With the most advanced technology in the industry, VeriLock security sensors not only indicate whether windows and patio doors are open or closed, they even indicate if they are locked or unlocked†. No other sensor can do that.

Maintains Warranty – No drilling required which can void warranties.

Helps Maximize Energy Efficiency – Windows that are closed but unlocked lose air at a rate up to 3X that of a closed and locked window.** VeriLock sensors tell you which windows and patio doors are open or unlocked* so you can help manage air loss.

Preserves Beauty – Available in all hardware finishes.



WIRELESS OPEN/CLOSED SENSORS

These wireless sensors provide the peace of mind of knowing whether your windows and patio doors are open.

Easy Installation – No tools are required to install our sensors. Simply place the sensor on a window or patio door and line up the magnet with the sensor until the LED glows blue†.

Maintains Warranty – No drilling required which can void warranties.

Compact Design – Sleek, compact design in a variety of colors to blend in with the window or patio door.



*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

**Based on testing of thirty-two (32) A-Series double-hung windows. Air loss through unlocked windows will vary based on window type and age, pressure differential, temperatures inside and outside the home, altitude and application.

†See product installation for details.

Printing limitations prevent exact color duplication. See your Andersen supplier for actual color samples.

NEW!

Click icon for **DESIGNER HARDWARE.**



PATIO DOOR HARDWARE

E-Series patio door hardware* is available in a variety of different designs to match virtually any style. Yuma®, Encino®, Anvers®, Newbury®, Covington™ and Whitmore® hardware options feature solid drop-forged brass for added strength, while Albany and Tribeca® hardware options are made of zinc die cast with durable powder-coated finishes.



YUMA

Distressed Bronze
Distressed Nickel



ENCINO

Distressed Bronze
Distressed Nickel



NEWBURY

Antique Brass | Bright Brass
Brushed Chrome | **Oil Rubbed Bronze**
Polished Chrome | Satin Nickel



ANVERS

Bright Brass | Oil Rubbed Bronze
Satin Nickel



Covington & Whitmore DISCONTINUED

COVINGTON

Antique Brass | Bright Brass
Oil Rubbed Bronze



WHITMORE

Antique Brass | Bright Brass
Oil Rubbed Bronze | Satin Nickel



ALBANY

Black | **Gold Dust**
Stone | White



TRIBECA

Black | Stone | **White**

Bold name denotes finish shown.

HARDWARE FINISHES



Antique
Brass

Black

Bright
Brass

Brushed
Chrome

Distressed
Bronze

Distressed
Nickel

Gold Dust

Oil Rubbed
Bronze

Polished
Chrome

Satin
Nickel

Stone

White

Brushed Chrome, Gold Dust and Polished Chrome DISCONTINUED

* Hardware sold separately.

Distressed bronze and oil rubbed bronze are "living" finishes that will change with time and use.

Bright brass and satin nickel finishes on patio door hardware feature a 10-year limited warranty.

Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.



FSB® HINGED PATIO DOOR HARDWARE

NEW!

Click icon for DESIGNER HARDWARE.



Durable FSB hinged door hardware* features clean lines and a sleek finish for a thoroughly modern look.



1035



1075



1076

Black Anodized Aluminum | Satin Stainless Steel



1102

Satin Stainless Steel

Black
Anodized
Aluminum

Satin
Stainless
Steel

Bold name denotes finish shown.

YALE® ASSURE LOCK®

Monitor, lock and unlock from anywhere with the Yale Assure Lock®. This slim, sleek keyless lock is designed exclusively for Andersen® hinged patio doors** and integrates with a wide range of smart home platforms.

Connects with Touchscreen, Touchscreen + Z-Wave & Touchscreen + Bluetooth + WiFi Kit.



Black

Satin
Nickel

White

*Hardware sold separately.

**Available on select hinged doors, see your Andersen supplier for details.

All marks where denoted are trademarks of their respective owners. Yale manufactures and supports the limited warranty for Yale Assure Lock for Andersen patio doors. Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

ENVIRONMENTAL RESPONSIBILITY

It is more essential than ever that we all do our part to help protect the environment. While environmental responsibility may be new to some, to us, making environmentally responsible manufacturing decisions is nothing new. We've made responsible choices in the past and will continue to strive to be responsible in the future.

PRESERVING NATURE

To protect our natural resources, we use wood harvested from managed forests and leverage engineered wood technology whenever possible — we use finger-jointed wood and laminated veneer lumber, both of which use wood efficiently and result in superior performance. In addition, we use water-based finishes, which have less impact on the environment than oil-based products.

CONSERVING ENERGY

Our technology and design innovation creates greater energy efficiency in all our products. Our High-Performance Low-E4® glass provides superior thermal protection, helping significantly reduce heating and cooling requirements. Additional energy-efficient glass options include triple-pane glass and SmartSun™ glass. Combined with weathertight frames, sash and weatherstrip, E-Series windows and doors play an important role in energy conservation.



High-Performance Low-E4 glass is up to 45% more energy efficient in winter and up to 57% more energy efficient in summer compared to ordinary dual-pane glass.*

USING RECLAIMED MATERIALS

Our cladding contains pre-consumer reclaimed aluminum, which requires much less energy to process than virgin aluminum. In addition, our glass utilizes reclaimed glass, which reduces landfill waste.

REDUCING WASTE

We recycle whenever possible — office paper, corrugated cardboard, sawdust, scrap aluminum, paints and solvents. Our electrostatic paint system attracts the paint to the aluminum, creating an efficient use of materials. Packaging enhancements include frame protectors made of HDPE, a recyclable plastic.

TAKING AN ACTIVE ROLE

We work closely with the industry organizations shown to manufacture energy-efficient and environmentally responsible products.



ENVIRONMENTAL CERTIFICATIONS

E-Series windows and doors have received SCS Global Services (SCS) Indoor Advantage™ Gold certification for indoor air quality. Indoor air quality is an important issue because many people spend as much as 90% of their time indoors, either at home, work or school.



*Winter and summer values are based on comparison of E-Series 3866 double-hung window U-Factor to the U-Factor for clear dual-pane glass non-metal frame default values from the 2006, 2009, 2012, 2015 and 2018 International Energy Conservation Code "Glazed Fenestration" Default Tables.

All marks where denoted are trademarks of their respective owners.



CASEMENT WINDOWS

Simple, beautiful and extremely functional, this casement window offers enhanced energy performance. Plus, stainless steel hinges and tracks that open to 90° for great ventilation and easy cleaning. In addition, a single-lever, multi-point locking mechanism with minimally exposed hardware offers a sleek, modern look.

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Custom sizing is available.





CASEMENT WINDOW

FEATURES

CASEMENT WINDOWS

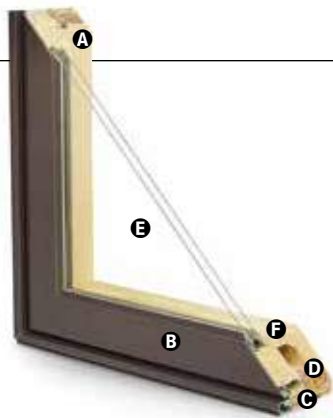
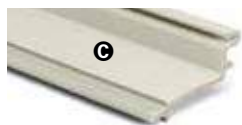
FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options. Integral, butyl-backed corner keys provide a positive, tight seal.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

C A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.



D A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash into a stand-alone kerf on the aluminum extrusion. Available in white or optional black.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

HARDWARE

Equipped with a stainless steel gear operator, concealed hinges and hinge track. Arch casement units use stainless steel piano hinges.

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.

Sash Locks



Sash Lock

Concealed sash locks (multi-point on units taller than 2'-8") provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.** Available in hardware finishes shown below.

HARDWARE OPTIONS

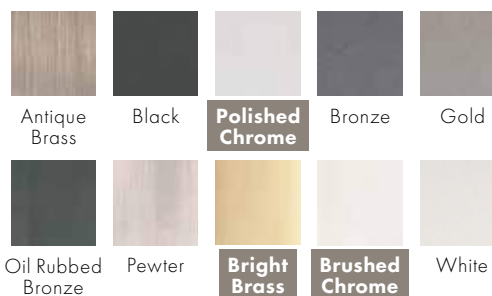


Operator Handle & Cover

Antique Brass | **Black**
Polished Chrome | Bronze
 Gold | Oil Rubbed Bronze
 Pewter | **Bright Brass**
Brushed Chrome | White

Bold name denotes finish shown.

HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

**Visit andersenwindows.com/warranty for details.

Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

CASEMENT WINDOWS

HARDWARE

Power Operator



Power operators are available in bronze, white, black or gold.

Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

Construction Hardware



Construction locks and operator handles keep your permanent window hardware away from the construction process and possible damage yet allow operation of windows during construction.

SENSORS

VeriLock & Open/Closed Sensors **DISCONTINUED**

They detect whether the windows are locked or unlocked* — a feature no other sensors can provide.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

PRIVACY OPTIONS

System 3 Blinds



A 5/8" aluminum slot blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades

Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

INSECT SCREENS

TruScene® Insect Screens



Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available.

See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



5/8"



7/8"



1 1/8"



1 1/2"

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



7/8"

Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat



1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



7/8"

See page 22 for more information on grilles.

*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

FRENCH CASEMENT WINDOW

FEATURES

FRENCH CASEMENT WINDOWS

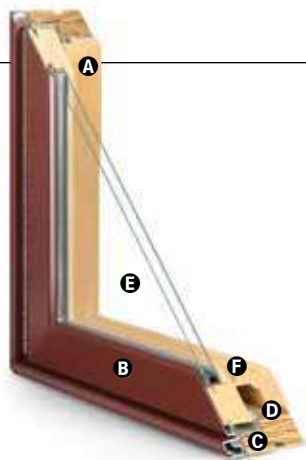
FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

C A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.



D A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

Secondary weatherstrip is applied on three sides of the sash. Available in white or optional black.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

HARDWARE

Equipped with stainless steel gear operators and piano hinges.

Sash Locks

Concealed, multi-point sash locks provide a positive lock by operating one convenient lever. Stainless steel keepers resist corrosion.**



French Casement Lock

Antique Brass | **Black**
Polished Chrome | Bronze
Bright Brass
Brushed Chrome | White

HARDWARE OPTIONS

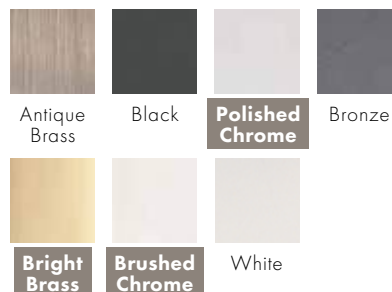


Operator Handle & Cover

Antique Brass | **Black**
Polished Chrome | Bronze
Bright Brass
Brushed Chrome | White

Bold name denotes finish shown.

HARDWARE FINISHES



EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



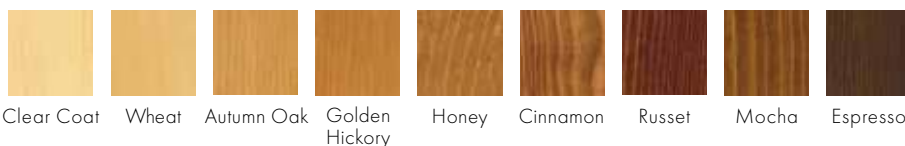
Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

**Visit andersenwindows.com/warranty for details.

Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

FRENCH CASEMENT WINDOWS

Open/Closed Sensors DISCONTINUED

Wireless open/closed sensors are available in four colors. See page 27 for details.

INSECT SCREENS

TruScene® Insect Screens



Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available.

See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.


 $\frac{5}{8}$ "

 $\frac{7}{8}$ "

 $1\frac{1}{8}$ "

 $1\frac{1}{2}$ "

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.


 $\frac{7}{8}$ "

Finelight™ Grilles-Between-the-Glass

Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.


 $\frac{5}{8}$ " Flat

1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.


 $\frac{7}{8}$ "

See page 22 for more information on grilles.

PUSH OUT CASEMENT WINDOW

FEATURES

PUSH OUT CASEMENT WINDOWS

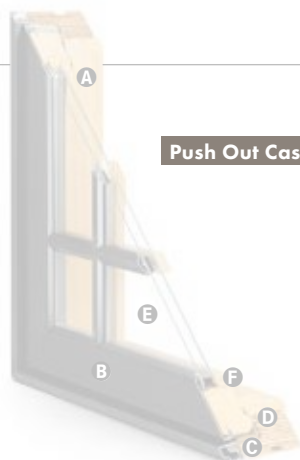
FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

C A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.



Push Out Casement **DISCONTINUED**

D A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash. Available in white or optional black.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

HARDWARE

Equipped with a stainless steel 4-bar friction hinge. Larger units use a stainless steel piano hinge with stainless steel stays.

Manual lock system featuring lock handles allows for easy operation. Units under 40" high use a single lock, while units 40" and taller use dual locks.

HARDWARE OPTIONS



Lock Handle

Antique Brass | Black
Oil Rubbed Bronze
Polished Brass
Satin Chrome | White

Bold name denotes finish shown.

HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



Pine Mixed Grain Douglas Fir Oak Maple Hickory Mahogany* Cherry Walnut Vertical Grain Douglas Fir Alder

FACTORY-FINISHED INTERIORS



Clear Coat Wheat Autumn Oak Golden Hickory Honey Cinnamon Russet Mocha Espresso

INTERIOR PAINTED OPTIONS



White Birch Bark Primed (for paint) Canvas Sandtone Terratone Forest Green Dark Bronze Dove Gray Prairie Grass Red Rock Cocoa Bean Black Anodized Silver

Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

PUSH OUT CASEMENT WINDOWS

Push Out Casement DISCONTINUED

SENSORS

Open/Closed Sensors

Wireless open/closed sensors are available in four colors. See page 27 for details.

INSECT SCREENS

Hinged Insect Screens



Insect Screen Pull

Hinged insect screen opens to the interior, providing access to the lock handle. Choose from charcoal fiberglass or aluminum screen mesh. Available in wood-veneered options. Insect screen pulls are available in antique brass, black, oil rubbed bronze, polished brass, satin chrome and white.

Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options. Extension jambs required for push out casement windows with retractable insect screens.

See page 24 for more information on our insect screen options.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



$\frac{5}{8}$ "



$\frac{7}{8}$ "



$1\frac{1}{8}$ "



$1\frac{1}{2}$ "

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



$\frac{7}{8}$ " Interior Ovolo

Finelight™ Grilles-Between-the-Glass

Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



$\frac{5}{8}$ " Flat



1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



$\frac{7}{8}$ "

See page 22 for more information on grilles.

*Oil rubbed bronze is a "living" finish that will change with time and use.

CASEMENT WINDOWS

Casement Window Sizes

	1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"
	1' 5 3/4"	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
2' 0 1/2"							
2' 6"							
2' 8 1/2"							
3' 0 1/2"							
3' 4 1/2"							
4' 0 1/2"							
4' 6 1/2"							
5' 0 1/2"							
5' 6 1/2"							
6' 0 1/2"							

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height).

†† Units meet the stated dimensions above when optional hardware for widest clear opening is used.

* A sash-limiting device is standard on 2856 and 3050 casement units. See your local code official for requirements in your area.

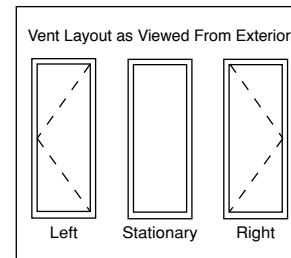
** A piano hinge and sash limiting device is standard on 2860, 3056 and 3060 casement units.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

Joined Casement Combinations	2- Wide		3-Wide		4-Wide		5-Wide	
Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width
1'-5 3/4"	3'-0"	2'-11 1/2"	4'-5 3/4"	4'-5 1/4"	5'-11 1/2"	5'-11"	7'-5 1/4"	7'-4 3/4"
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"	6'-8 1/2"	6'-8"	8'-4 1/2"	8'-4"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	8'-0 1/2"	8'-0"	10'-0 1/2"	10'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	9'-4 1/2"	9'-4"	11'-8 1/2"	11'-8"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	10'-0 1/2"	10'-0"	12'-6 1/2"	12'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	10'-8 1/2"	10'-8"	13'-4 1/2"	13'-4"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	12'-0 1/2"	12'-0"	15'-0 1/2"	15'-0"

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Casement Picture Window Sizes

		3' 0 1/2"	3' 4 1/2"	4' 0 1/2"	5' 0 1/2"	6' 0 1/2"
		3' 0"	3' 4"	4' 0"	5' 0"	6' 0"
R.O. F.S.	3' 4 1/2"					
	3' 4"	SCA3034	SCA3434	SCA4034	SCA5034	SCA6034
	4' 0 1/2"					
	4' 0"	SCA3040	SCA3440	SCA4040	SCA5040	SCA6040
	4' 6 1/2"					
	4' 6"	SCA3046	SCA3446	SCA4046	SCA5046	SCA6046
R.O. F.S.	5' 0 1/2"					
	5' 0"	SCA3050	SCA3450	SCA4050	SCA5050	SCA6050
	5' 6 1/2"					
	5' 6"	SCA3056	SCA3456	SCA4056	SCA5056	SCA6056
	6' 0 1/2"					
	6' 0"	SCA3060	SCA3460	SCA4060	SCA5060	SCA6060

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

Casement Transom Window Sizes

		1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"
		1' 5 3/4"	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 4"	4' 0"
R.O. F.S.	1' 2 1/2"									
	1' 4"	SCA15 3/4 12	SCA1812	SCA2012	SCA2412	SCA2612	SCA2812	SCA3012	SCA3412	SCA4012
	1' 4 1/2"									
	1' 4 1/4"	SCA15 3/4 14	SCA1814	SCA2014	SCA2414	SCA2614	SCA2814	SCA3014	SCA3414	SCA4014
R.O. F.S.	1' 6 3/4"									
	1' 5 3/4"	SCA15 3/4 15 3/4	SCA1815 3/4	SCA2015 3/4	SCA2415 3/4	SCA2615 3/4	SCA2815 3/4	SCA3015 3/4	SCA3415 3/4	SCA4015 3/4
	1' 8 1/2"									
	1' 8"	SCA15 3/4 18	SCA1818	SCA2018	SCA2418	SCA2618	SCA2818	SCA3018	SCA3418	SCA4018

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

CASEMENT WINDOWS

Arch Casement Window Sizes

R.O. F.S.	2' 0 1/2"	4' 0 1/2"	2' 4 1/2"	4' 8 1/2"	2' 6 1/2"	5' 0 1/2"	2' 8 1/2"	5' 4 1/2"	3' 0 1/2"	6' 0 1/2"
	2' 0"	4' 0"	2' 4"	4' 8"	2' 6"	5' 0"	2' 8"	5' 4"	3' 0"	6' 0"
3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	
										
RCAX2020	RCAX2020-2	RCAX2420	RCAX2420-2	RCAX2620	RCAX2620-2	RCAX2820	RCAX2820-2	RCAX3020	RCAX3020-2	
										
RCAX2026	RCAX2026-2	RCAX2426	RCAX2426-2	RCAX2626	RCAX2626-2	RCAX2826	RCAX2826-2	RCAX3026	RCAX3026-2	
										
RCAX2028	RCAX2028-2	RCAX2428	RCAX2428-2	RCAX2628	RCAX2628-2	RCAX2828	RCAX2828-2	RCAX3028	RCAX3028-2	
										
RCAX2030	RCAX2030-2	RCAX2430	RCAX2430-2	RCAX2630	RCAX2630-2	RCAX2830	RCAX2830-2	RCAX3030	RCAX3030-2	
										
RCAX2034	RCAX2034-2	RCAX2434	RCAX2434-2	RCAX2634	RCAX2634-2	RCAX2834	RCAX2834-2	RCAX3034	RCAX3034-2	
										
RCAX2040	RCAX2040-2	RCAX2440 †	RCAX2440-2 †	RCAX2640 †	RCAX2640-2 †	RCAX2840 †	RCAX2840-2 †	RCAX3040 †	RCAX3040-2 †	
										
RCAX2046	RCAX2046-2	RCAX2446 †	RCAX2446-2 †	RCAX2646 †	RCAX2646-2 †	RCAX2846 †	RCAX2846-2 †	RCAX3046 †	RCAX3046-2 †	
										
RCAX2050	RCAX2050-2	RCAX2450 †	RCAX2450-2 †	RCAX2650 †	RCAX2650-2 †	RCAX2850 †	RCAX2850-2 †	RCAX3050 *	RCAX3050-2 *	
										
RCAX2056	RCAX2056-2	RCAX2456 †	RCAX2456-2 †	RCAX2656 †	RCAX2656-2 †	RCAX2856 *	RCAX2856-2 *	RCAX3056 *	RCAX3056-2 *	
										
RCAX2060	RCAX2060-2	RCAX2460 †	RCAX2460-2 †	RCAX2660 †	RCAX2660-2 †	RCAX2860 *	RCAX2860-2 *	RCAX3060 *	RCAX3060-2 *	

Vent Layout as Viewed From Exterior



Left



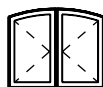
Stationary



Right



2 Wide
Left-Right



2 Wide
Right-Left

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height).

* A sash-limiting device is standard on 2856, 2860, 3056 and 3060 casement units. See your local code official for requirements in your area.

Piano hinges are standard on all arch casement units.

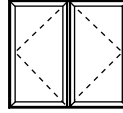
See notes on page 43 for more information.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

French Casement Window Sizes

		3' 4 1/2"	4' 0 1/2"	4' 8 1/2"	5' 0 1/2"
		3' 4"	4' 0"	4' 8"	5' 0"
R.O. F.S.	3' 0 1/2"				
	3' 0"	FCAX3430	FCAX4030	FCAX4830	FCAX5030
	3' 4 1/2"				
	3' 4"	FCAX3434	FCAX4034	FCAX4834	FCAX5034
	4' 0 1/2"				
	4' 0"	FCAX3440 †	FCAX4040 †	FCAX4840 †	FCAX5040 †
	4' 6 1/2"				
	4' 6"	FCAX3446 †	FCAX4046 †	FCAX4846 †	FCAX5046 †
	5' 0 1/2"				
	5' 0"	FCAX3450 †	FCAX4050 †	FCAX4850 †	FCAX5050 †

Vent Layout as Viewed From Exterior



Left Sash Opens First
(Standard Configuration)

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height). Local codes may differ. Verify egress requirements with your local building code official.

Piano hinges and step jamb are standard on all French casement units.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

CASEMENT WINDOWS

Push Out Casement Window Sizes

Push Out Casement DISCONTINUED

R.O. F.S.		1' 6 1/4"	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"
		1' 5 3/4"	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
2' 0 1/2"								
2' 6 1/2"								
2' 8 1/2"								
3' 0 1/2"								
3' 4 1/2"								
4' 0 1/2"								
4' 6 1/2"								
5' 0 1/2"								
5' 6 1/2"								
6' 0 1/2"								

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height). Local codes may differ. Verify egress requirements with your local building code official.

Units ≤ 24" Actual Frame Width (AFW) will receive hinges only (no clip or friction arm).

Units > 24" AFW and ≤ 30" AFW receive clip only.

Units > 30" AFW receive (2) 14" friction arms.

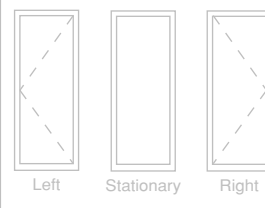
If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Vent Layout as Viewed From Exterior



FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

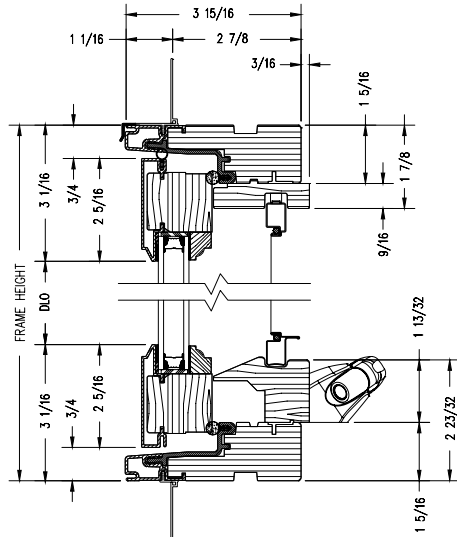
Any unit within each combination can be operating or stationary.

Joined Casement Combinations	2-Wide		3-Wide		4-Wide		5-Wide	
Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width	Rough Opening Width	Frame Width
1'-5 3/4"	3'-0"	2'-11 1/2"	4'-5 3/4"	4'-5 1/4"	5'-11 1/2"	5'-11"	7'-5 1/4"	7'-4 3/4"
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"	6'-8 1/2"	6'-8"	8'-4 1/2"	8'-4"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"	8'-0 1/2"	8'-0"	10'-0 1/2"	10'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"	9'-4 1/2"	9'-4"	11'-8 1/2"	11'-8"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"	10'-0 1/2"	10'-0"	12'-6 1/2"	12'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"	10'-8 1/2"	10'-8"	13'-4 1/2"	13'-4"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"	12'-0 1/2"	12'-0"	15'-0 1/2"	15'-0"

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

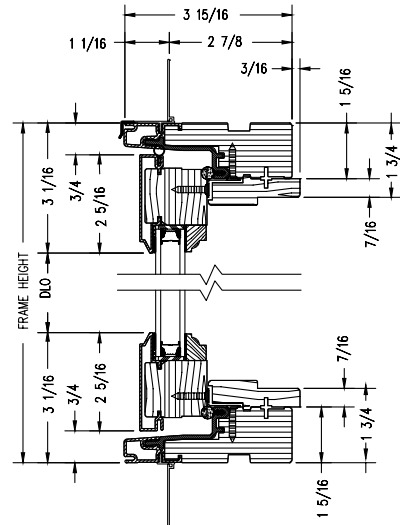
Casement Windows

Casement

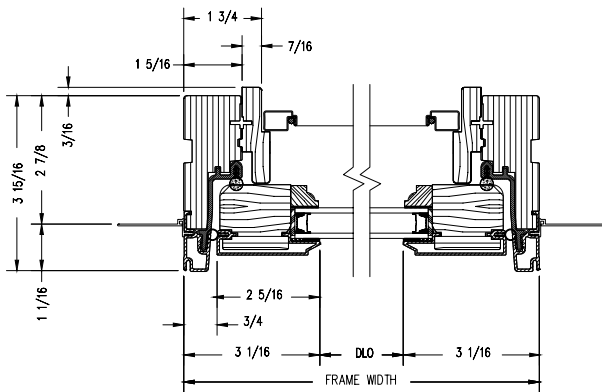


Vertical Section

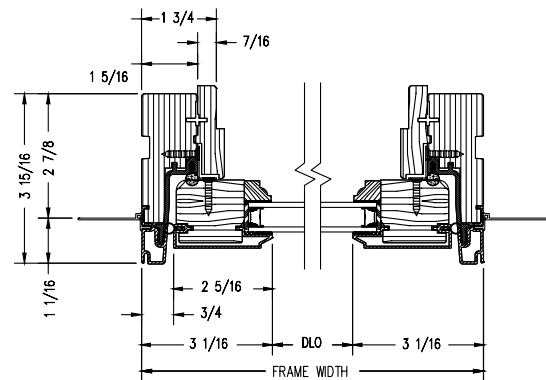
Sash-Set (2-Piece) Casement



Vertical Section



Horizontal Section



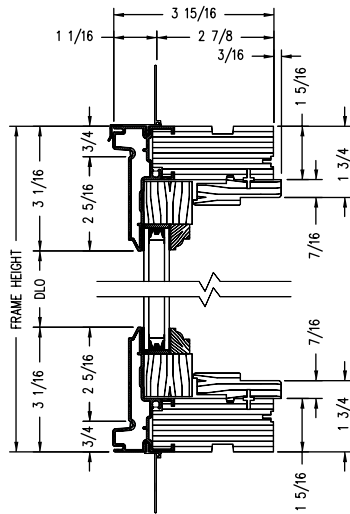
Horizontal Section

Shown with ovolo (colonial) glass stops.

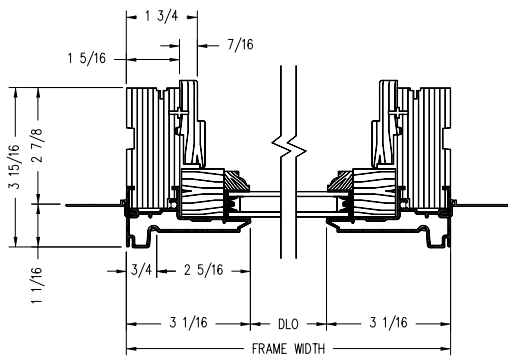
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Casement Windows

Direct-Set (1-Piece) Casement

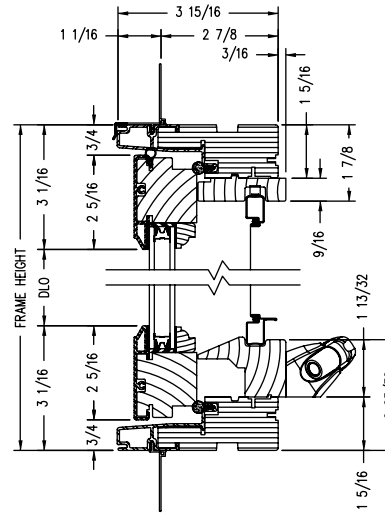


Vertical Section

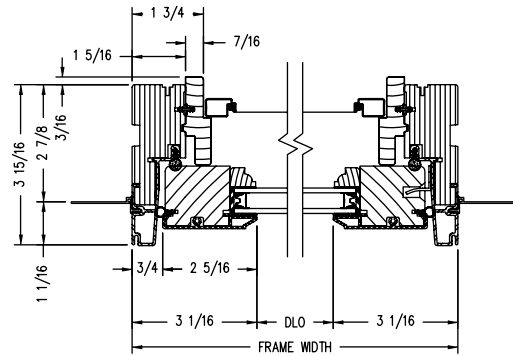


Horizontal Section

Arch Casement



Vertical Section

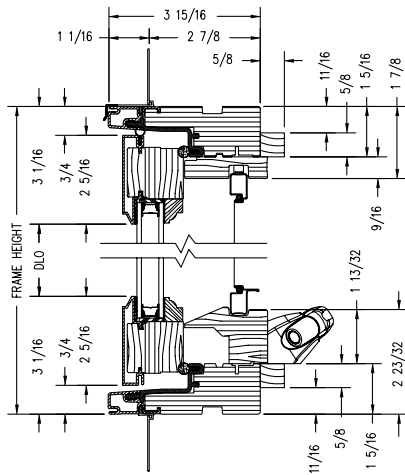


Horizontal Section

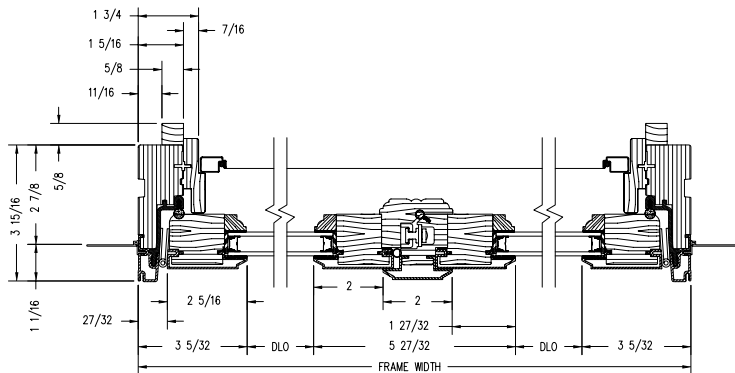
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

French Casement Windows



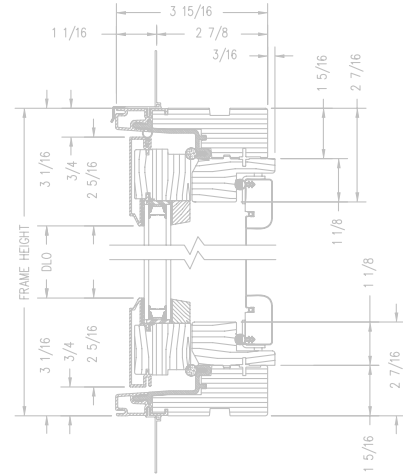
Vertical Section



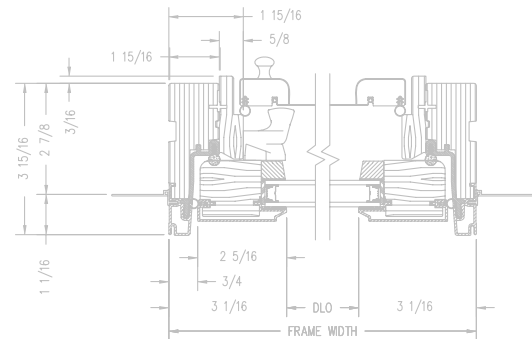
Horizontal Section

Shown with ovolo (colonial) glass stops.

Push Out Casement DISCONTINUED



Vertical Section



Horizontal Section

Shown with contemporary glass stops.

AWNING WINDOWS

Used alone or as an accent window, E-Series awning windows add visual interest and ventilation. Plus, they are easy to clean from the inside, while still offering a weathertight seal for outstanding performance. They include stainless steel hardware with the operator located on the sill for a true awning style and feature the same sight lines as our casement window for design flexibility when creating large window combinations.

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Custom sizing is available.





AWNING WINDOW

FEATURES

AWNING WINDOWS

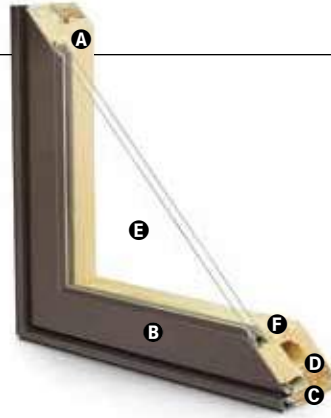
FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options. Integral, butyl-backed corner keys provide a positive, tight seal.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges and metal installation clips are available.

C A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.



D A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash into a stand-alone kerf on the aluminum extrusion. Available in white or optional black.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

HARDWARE

Equipped with a stainless steel gear operator, concealed hinges and hinge track.

Locks, handles and operator covers are available in 10 finishes and can be shipped separately closer to job completion.



Sash Lock

Concealed sash locks provide a positive lock. Stainless steel keepers resist corrosion.** Available in hardware finishes shown below.

HARDWARE OPTIONS

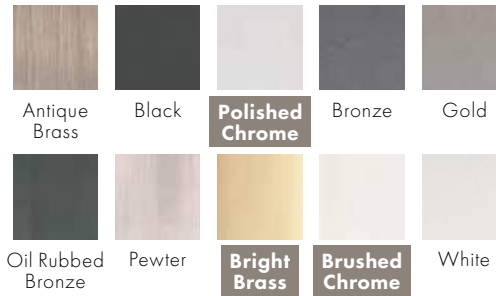


Operator Handle & Cover

Antique Brass | **Black**
Polished Chrome | Bronze
 Gold | Oil Rubbed Bronze
 Pewter | **Bright Brass**
Brushed Chrome | White

Bold name denotes finish shown.

HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



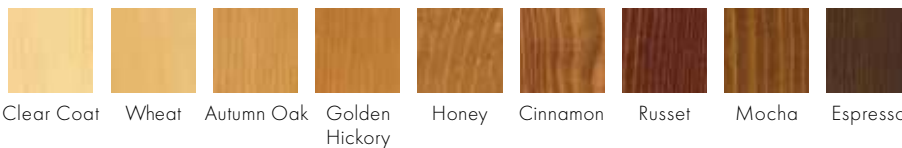
Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

**Visit andersenwindows.com/warranty for details.

Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

AWNING WINDOWS

HARDWARE

Power Operator



Power operators are available in bronze, white, black or gold.

Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

Construction Hardware



Construction locks and operator handles keep your permanent window hardware away from the construction process and possible damage yet allow operation of windows during construction.

SENSORS

VeriLock & Open/Closed Sensors **DISCONTINUED**

They detect whether the windows are locked or unlocked* — a feature no other sensors can provide.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

PRIVACY OPTIONS

System 3 Blinds



A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades

Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

INSECT SCREENS

TruScene® Insect Screens



Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in colors of bronze, white or gold as well as optional black. Aluminum screen mesh and wood-veneered insect screen also available.

See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



5/8"



7/8"



1 1/8"



1 1/2"

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



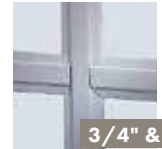
7/8"

Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat



1" Contoured

3/4" & 1"

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



7/8"

See page 22 for more information on grilles.

*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

PUSH OUT AWNING WINDOW

FEATURES

PUSH OUT AWNING WINDOWS

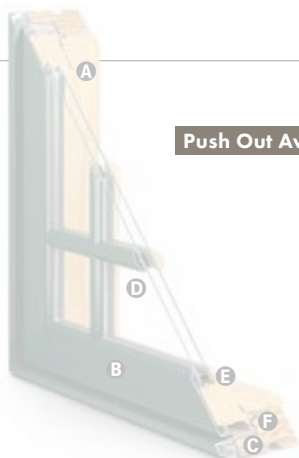
FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges and metal installation clips are available.

C A Fibrex® material thermal barrier encompasses the interior perimeter of the frame and is a neutral beige color.



Push Out Awning **DISCONTINUED**

D A continuous perimeter bulb weatherstrip around the frame is positioned on the Fibrex material thermal barrier and provides solid surface contact with the sash.

A secondary bulb weatherstrip is applied on three sides of the sash. Available in white or optional black.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

HARDWARE

Manual lock system featuring lock handles allows for easy operation. Units under 40" high use a single lock, while units 40" and taller use dual locks. Lock handles are available in six finishes.

Equipped with a stainless steel 4-bar friction hinge.

HARDWARE OPTIONS



Lock Handle

Antique Brass | Black
Oil Rubbed Bronze
Polished Brass
Satin Chrome | White

Bold name denotes finish shown.

HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

PUSH OUT AWNING WINDOWS

Push Out Awning DISCONTINUED

SENSORS

Open/Closed Sensors

Wireless open/closed sensors are available in four colors. See page 27 for details.

INSECT SCREENS

Hinged Insect Screens



Hinged insect screen opens to the interior, providing access to the lock handle. Choose from charcoal fiberglass or aluminum screen mesh. Available in wood-veneered options. Insect screen pulls are available in antique brass, black, oil rubbed bronze, polished brass, satin chrome and white.

Retractable Insect Screens

Retractable insect screen available in wood-veneered frame options. Extension jambs required for push out awning windows with retractable insect screens.

See page 24 for more information on our insect screen options.

GRILLES

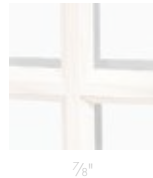
Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



Finelight™ Grilles-Between-the-Glass

Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



Removable Interior Wood Grilles

Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

*Oil rubbed bronze is a "living" finish that will change with time and use.

AWNING WINDOWS

Awning Window Sizes

R.O. F.S.							
	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"
1' 8"	 AAX2018	 AAX2418	 AAX2618	 AAX2818	 AAX3018	 AAX3418	 AAX4018
2' 0"	 AAX2020	 AAX2420	 AAX2620	 AAX2820	 AAX3020	 AAX3420	 AAX4020
2' 6"	 AAX2026	 AAX2426	 AAX2626	 AAX2826	 AAX3026	 AAX3426	 AAX4026
3' 0"	 AAX2030	 AAX2430	 AAX2630	 AAX2830	 AAX3030	 AAX3430	 AAX4030
3' 4"	 AAX2034	 AAX2434	 AAX2634	 AAX2834	 AAX3034	 AAX3434	 AAX4034
4' 0"	 AAX2040	 AAX2440	 AAX2640	 AAX2840	 AAX3040	 AAX3440	 AAX4040

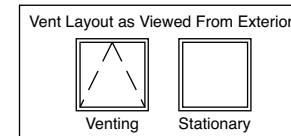
NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.



FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary.

PUSH OUT AWNING

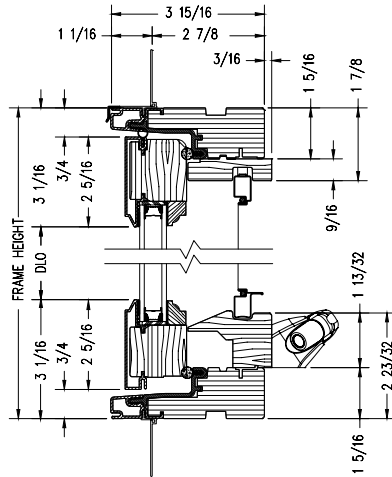
Units ≥ 36" Actual Frame Height receive (2) friction stays.

Push Out Awning DISCONTINUED

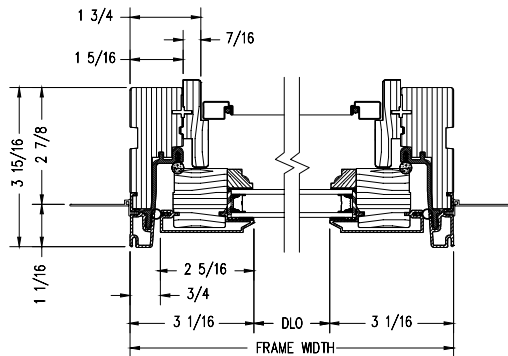
R.O. F.S.							
	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 4 1/2"	4' 0 1/2"
1' 8"	 APOAX2018	 APOAX2418	 APOAX2618	 APOAX2818	 APOAX3018	 APOAX3418	 APOAX4018
2' 0"	 APOAX2020	 APOAX2420	 APOAX2620	 APOAX2820	 APOAX3020	 APOAX3420	 APOAX4020
2' 6"	 APOAX2026	 APOAX2426	 APOAX2626	 APOAX2826	 APOAX3026	 APOAX3426	 APOAX4026
3' 0"	 APOAX2030	 APOAX2430	 APOAX2630	 APOAX2830	 APOAX3030	 APOAX3430	 APOAX4030
3' 4"	 APOAX2034	 APOAX2434	 APOAX2634	 APOAX2834	 APOAX3034	 APOAX3434	
4' 0"	 APOAX2040	 APOAX2440	 APOAX2640	 APOAX2840	 APOAX3040		

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Awning Windows



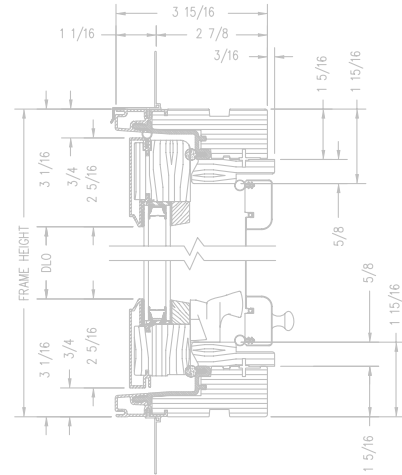
Vertical Section



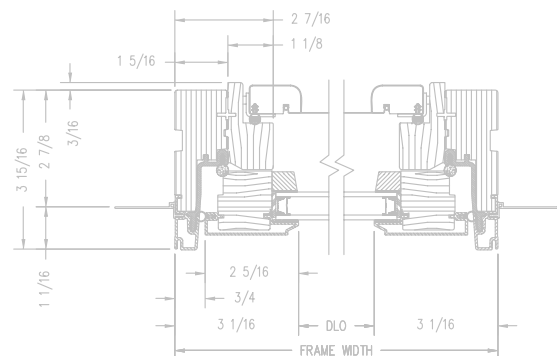
Horizontal Section

Shown with ovolo (colonial) glass stops.

Push Out Awning DISCONTINUED



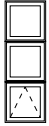
Vertical Section



Horizontal Section

Shown with contemporary glass stops.

Joined Awning Width Combinations	2-Wide 		3-Wide 	
	Single Unit Frame Width	Rough Opening Width	Frame Width	Rough Opening Width
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"
2'-4"	4'-8 1/2"	4'-8"	7'-0 1/2"	7'-0"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"
2'-8"	5'-4 1/2"	5'-4"	8'-0 1/2"	8'-0"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"
3'-4"	6'-8 1/2"	6'-8"	10'-0 1/2"	10'-0"
4'-0"	8'-0 1/2"	8'-0"	12'-0 1/2"	12'-0"

Joined Awning Height Combinations	2-High 		3-High 	
	Single Unit Frame Height	Rough Opening Height	Frame Height	Rough Opening Height
1'-8"	3'-4 1/2"	3'-4"	5'-0 1/2"	5'-0"
2'-0"	4'-0 1/2"	4'-0"	6'-0 1/2"	6'-0"
2'-6"	5'-0 1/2"	5'-0"	7'-6 1/2"	7'-6"
3'-0"	6'-0 1/2"	6'-0"	9'-0 1/2"	9'-0"
3'-4"	6'-8 1/2"	6'-8"	10'-0 1/2"	10'-0"
4'-0"	8'-0 1/2"	8'-0"	12'-0 1/2"	12'-0"

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DOUBLE-HUNG WINDOWS

A classic beauty, double-hung windows offer a sleek design with ventilation options from the top, bottom or both. Add a TruScene® insect screen to let the outside in, maximizing your view, not limiting it. E-Series double-hung windows give you the option to select aluminum or wood jamb liner inserts for added visual appeal and include flush-mounted hardware that allows for easy tilt-in operation.

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Arch Single-Hung Reverse Cottage	70
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Custom sizing is available.





DOUBLE-HUNG WINDOW

FEATURES

DOUBLE-HUNG WINDOWS

FRAME & SASH

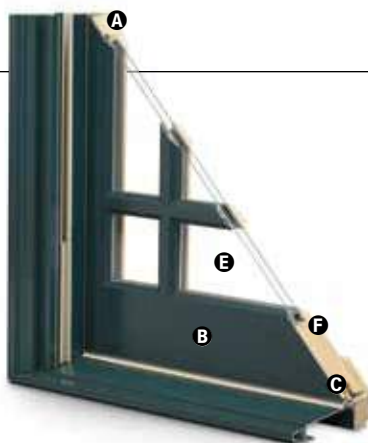
A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

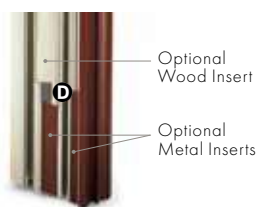
Optional vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

C Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the meeting rail and on side jambs for a maximum weather seal.

Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.



D Double-hung jamb liners incorporate synthetic interior and exterior inserts or optional painted aluminum exterior and wood-veneered interior inserts.



GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

HARDWARE

Sash lock/tilt mechanisms and keepers give a slim, more traditional design and allow opening and tilting of the window in one operation. Tilting the sash from the inside for cleaning is effortless.

Optional surface mount sash lifts allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

HARDWARE OPTIONS



Lock

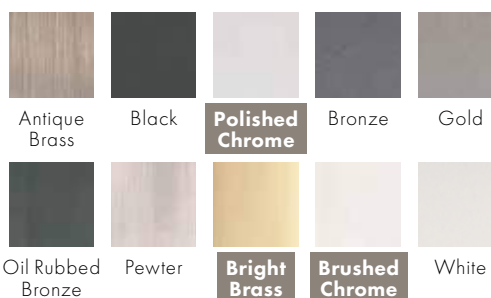


Sash Lift

Antique Brass | Black | **Polished Chrome** | Bronze | Gold
Oil Rubbed Bronze | Pewter | **Bright Brass** | **Brushed Chrome** | White

Windows with VeriLock® sensors use a different sash lock. See the next page for details.
Bold name denotes finish shown.

HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



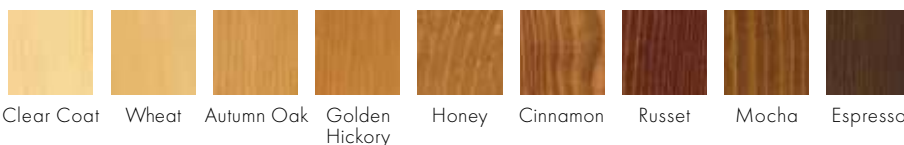
Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.
Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

DOUBLE-HUNG WINDOWS

HARDWARE

Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

VeriLock & Open/Closed Sensors **DISCONTINUED**



VeriLock sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. Available in all hardware finishes.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

INSECT SCREENS

TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

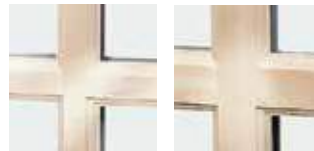
See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.


 $\frac{5}{8}$ "

 $\frac{7}{8}$ "

 $1\frac{1}{8}$ "

 $1\frac{1}{2}$ "

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.


 $\frac{7}{8}$ "

Finelight™ Grilles-Between-the-Glass

Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.


 $\frac{5}{8}$ " Flat

1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.


 $\frac{7}{8}$ "

See page 22 for more information on grilles.

*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

DOUBLE-HUNG INSERT WINDOW

FEATURES

DOUBLE-HUNG INSERT WINDOWS

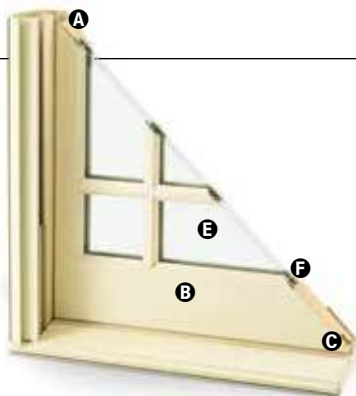
Double-hung insert window fits into an existing window frame making installation a breeze. The appearance of the interior and exterior of the home are maintained because the existing frame, wall coverings and trim work stay completely intact.

FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

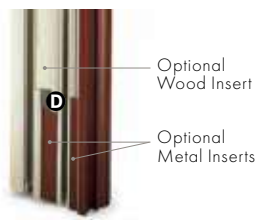
B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

C Compression bulb weatherstrip is applied on the bottom sash, head jamb, at the meeting rail and on side jambs for a maximum weather seal.



Jamb liners encase balancer assemblies that allow each sash to be tilted 90° inward from a bottom pivot and stay securely in place for washing.

D Basic jamb liners are available in beige or white and are made of synthetic material. Optional painted aluminum exterior inserts and wood-veneered interior inserts also available.



SILL

8 degrees is the standard slope. Filler block is used on existing window sill angles of less than 8 degrees.

GLASS SPACERS available in black, white and stainless steel.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

HARDWARE OPTIONS



Lock

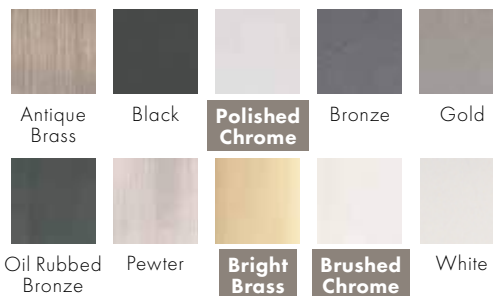


Sash Lift

Antique Brass | Black | **Polished Chrome** | Bronze | Gold
Oil Rubbed Bronze | Pewter | **Bright Brass** | **Brushed Chrome** | White

Windows with VeriLock® sensors use a different sash lock. See the next page for details.
Bold name denotes finish shown.

HARDWARE FINISHES



Oil rubbed bronze is a "living" finish that will change with time and use.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



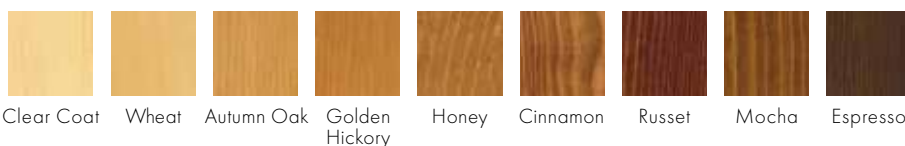
Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

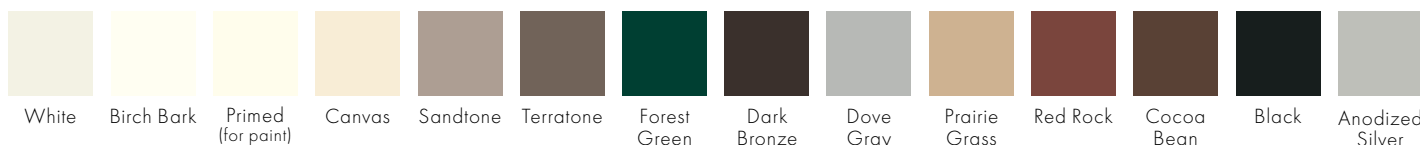
All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.
Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

HARDWARE

Sash lock/tilt mechanisms and keepers give a slim, more traditional design and allow opening and tilting of the window in one operation. Tilting the sash from the inside for cleaning is effortless.

Surface mount sash lifts allow for easy operation. Units less than 3' wide use one lift. Units 3' wide and greater use two lifts.

MEASURING GUIDELINES

Measuring guidelines for double-hung insert and picture insert windows can be found on andersenwindows.com/measure.

ACCESSORIES Sold Separately

DOUBLE-HUNG INSERT WINDOWS

HARDWARE

Window Opening Control Device Kit

An optional Window Opening Control Device Kit is available, which limits opening the sash to less than 4" when the window is first opened. Available in stone and white.

VeriLock & Open/Closed Sensors **DISCONTINUED**



VeriLock sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. Available in all hardware finishes.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

INSECT SCREENS

TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



5/8"

7/8"



1 1/8"

1 1/2"

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



7/8"

Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat

1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



7/8"

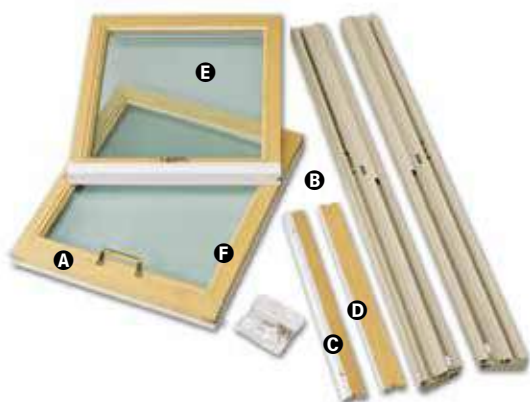
See page 22 for more information on grilles.

*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

DOUBLE-HUNG SASH REPLACEMENT KIT

FEATURES

DOUBLE-HUNG SASH REPLACEMENT KITS



Double-hung sash replacement kits are complete with window sash, locking hardware and sash lifts, compression jamb liners and balancer systems, sill filler, head parting stop and installation hardware. Each kit is built to your exact measurements.

The kits were designed to replace older sash with a new energy-efficient sash without removing the trim and the window frame. The sash replacement will fit a double-hung window with a jamb pocket depth of 3 1/4" or larger.

Kits are also available in a picture window design. The sash depth is 1 1/2". Picture window sash replacement kit consists of one sash and one sill filler.

SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

C The sash replacement kit utilizes a foam weatherstrip on the bottom of the lower sash that forms a weather-tight seal against the sill filler when closed.

D Hollow bulb weatherstrip forms a compression seal at the meeting rails and at the head.

Each kit utilizes a two-piece foam-backed jamb liner and a block and tackle balancer system. The sash tilt inward for easy cleaning. Beige or white jamb liners are available and are cut to the sill slope specified at time of order.

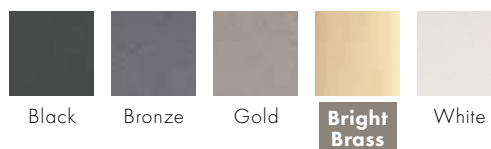
HARDWARE OPTIONS



Black | Bronze | Gold | **Bright Brass** | White

Bold name denotes finish shown.

HARDWARE FINISHES



Additional finishes not shown or listed above include: Antique Brass, Brushed Chrome, Oil Rubbed Bronze, Pewter and Polished Chrome

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

GLASS SPACERS available in black, white and stainless steel.

GLASS

E High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

F Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

HARDWARE

Sash replacement kits under 36" in width will receive one lock and one sash lift. Kits 36" to 48" in width will receive two locks and two sash lifts. Kits 48" and wider will require three locks and two sash lifts.

MEASURING GUIDELINES

Measuring guidelines for double-hung and picture sash replacement kits can be found on andersenwindows.com/measure.

ACCESSORIES Sold Separately

DOUBLE-HUNG SASH REPLACEMENT KITS

INSECT SCREENS

TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors and seven anodized finishes. Available in half or full insect screens. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



5/8"



7/8"



1 1/8"



1 1/2"

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



7/8"

Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat



1" Contoured

3/4" & 1"

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



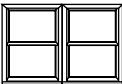
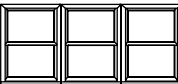
7/8"

See page 22 for more information on grilles.

DOUBLE-HUNG WINDOWS

Double-Hung Window Sizes

	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"
3' 0 1/2"										
3' 0"	TCLDH1830	TCLDH2030	TCLDH2430	TCLDH2630	TCLDH2830	TCLDH3030	TCLDH3230	TCLDH3430	TCLDH3830	
3' 4 1/2"										
3' 4"	TCLDH1834	TCLDH2034	TCLDH2434	TCLDH2634	TCLDH2834	TCLDH3034	TCLDH3234	TCLDH3434	TCLDH3834	
4' 0 1/2"										
4' 0"	TCLDH1840	TCLDH2040	TCLDH2440	TCLDH2640	TCLDH2840	TCLDH3040	TCLDH3240	TCLDH3440	TCLDH3840	TCLDH4040
4' 6 1/2"										
4' 6"	TCLDH1846	TCLDH2046	TCLDH2446	TCLDH2646	TCLDH2846	TCLDH3046	TCLDH3246	TCLDH3446	TCLDH3846	TCLDH4046
4' 9 1/2"										
4' 9"	TCLDH1849	TCLDH2049	TCLDH2449	TCLDH2649	TCLDH2849	TCLDH3049	TCLDH3249	TCLDH3449	TCLDH3849	TCLDH4049
5' 0 1/2"										
5' 0"	TCLDH1850	TCLDH2050	TCLDH2450	TCLDH2650	TCLDH2850	TCLDH3050	TCLDH3250	TCLDH3450	TCLDH3850	TCLDH4050
5' 1 1/2"										
5' 1"	TCLDH1851	TCLDH2051	TCLDH2451	TCLDH2651	TCLDH2851	TCLDH3051	TCLDH3251 †	TCLDH3451 †	TCLDH3851 †	TCLDH4051 †

Joined Double-Hung Combinations					
2-Wide			3-Wide		
					
Single Unit Frame Width	Rough Opening Width	Frame Width	Single Unit Frame Width	Rough Opening Width	Frame Width
1'-8"	3'-4 1/2"	3'-4"	1'-8"	5'-0 1/2"	5'-0"
2'-0"	4'-0 1/2"	4'-0"	2'-0"	6'-0 1/2"	6'-0"
2'-4"	4'-8 1/2"	4'-8"	2'-4"	7'-0 1/2"	7'-0"
2'-6"	5'-0 1/2"	5'-0"	2'-6"	7'-6 1/2"	7'-6"
2'-8"	5'-4 1/2"	5'-4"	2'-8"	8'-0 1/2"	8'-0"
3'-0"	6'-0 1/2"	6'-0"	3'-0"	9'-0 1/2"	9'-0"
3'-2"	6'-4 1/2"	6'-4"	3'-2"	9'-6 1/2"	9'-6"
3'-4"	6'-8 1/2"	6'-8"	3'-4"	10'-0 1/2"	10'-0"
3'-8"	7'-4 1/2"	7'-4"	3'-8"	11'-0 1/2"	11'-0"
4'-0"	8'-0 1/2"	8'-0"	4'-0"	12'-0 1/2"	12'-0"

NOTES

† These units meet or exceed the following dimensions:
 Clear Opening Area 5.7 sq. ft., Clear Opening Width 20",
 Clear Opening Height 24" and 44" maximum floor to sill
 height (with standard 6' 10-1/2" structural header height).
 See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3' 0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

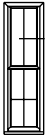
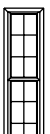
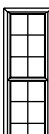
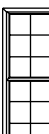
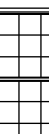
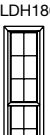
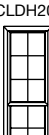
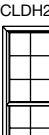
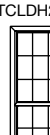
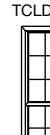
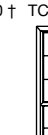
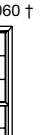
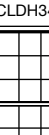
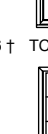
FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
 A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
 ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Window Sizes

		1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"
		1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"
R.O. F.S.	5' 6 1/2"										
	5' 6"	TCLDH1856	TCLDH2056	TCLDH2456	TCLDH2656	TCLDH2856	TCLDH3056 †	TCLDH3256 †	TCLDH3456 †	TCLDH3856 †	TCLDH4056 †
	6' 0 1/2"										
	6' 0"	TCLDH1860	TCLDH2060	TCLDH2460	TCLDH2660 †	TCLDH2860 †	TCLDH3060 †	TCLDH3260 †	TCLDH3460 †	TCLDH3860 †	TCLDH4060 †
	6' 6 1/2"										
	6' 6"	TCLDH1866	TCLDH2066	TCLDH2466	TCLDH2666 †	TCLDH2866 †	TCLDH3066 †	TCLDH3266 †	TCLDH3466 †	TCLDH3866 †	
	7' 0 1/2"										
	7' 0"	TCLDH1870	TCLDH2070	TCLDH2470 †	TCLDH2670 †	TCLDH2870 †	TCLDH3070 †	TCLDH3270 †	TCLDH3470 †		
	7' 6 1/2"										
	7' 6"	TCLDH1876	TCLDH2076	TCLDH2476 †	TCLDH2676 †	TCLDH2876 †	TCLDH3076 †	TCLDH3276 †			

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3' 0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

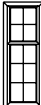
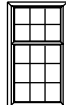
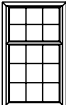
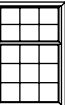
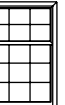
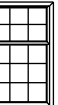
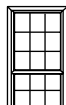
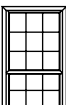
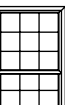
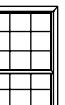
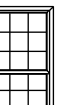
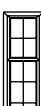
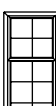
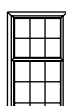
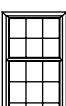
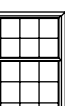
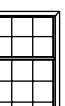
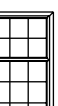
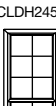
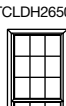
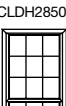
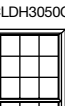
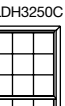
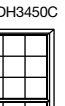
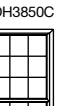
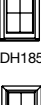
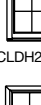
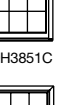
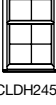
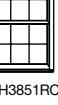
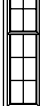
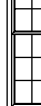
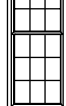
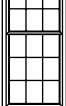
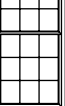
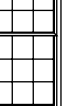
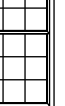
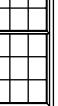
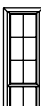
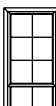
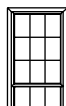
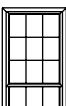
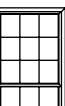
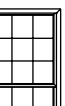
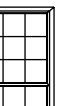
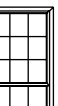
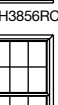
FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

DOUBLE-HUNG WINDOWS

Cottage & Reverse Cottage Double-Hung Window Sizes

	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"
4' 6 1/2"									
	TCLDH1846C	TCLDH2046C	TCLDH2446C	TCLDH2646C	TCLDH2846C	TCLDH3046C	TCLDH3246C	TCLDH3446C	TCLDH3846C
4' 6 1/2"									
	TCLDH1846RC	TCLDH2046RC	TCLDH2446RC	TCLDH2646RC	TCLDH2846RC	TCLDH3046RC	TCLDH3246RC	TCLDH3446RC	TCLDH3846RC
5' 0 1/2"									
	TCLDH1850C	TCLDH2050C	TCLDH2450C	TCLDH2650C	TCLDH2850C	TCLDH3050C	TCLDH3250C	TCLDH3450C	TCLDH3850C
5' 0 1/2"									
	TCLDH1850RC	TCLDH2050RC	TCLDH2450RC	TCLDH2650RC	TCLDH2850RC	TCLDH3050RC	TCLDH3250RC	TCLDH3450RC	TCLDH3850RC
5' 1 1/2"									
	TCLDH1851C	TCLDH2051C	TCLDH2451C	TCLDH2651C	TCLDH2851C	TCLDH3051C	TCLDH3251C	TCLDH3451C	TCLDH3851C
5' 1 1/2"									
	TCLDH1851RC	TCLDH2051RC	TCLDH2451RC	TCLDH2651RC	TCLDH2851RC	TCLDH3051RC	TCLDH3251RC	TCLDH3451RC	TCLDH3851RC
5' 6 1/2"									
	TCLDH1856C	TCLDH2056C	TCLDH2456C	TCLDH2656C	TCLDH2856C	TCLDH3056C	TCLDH3256C	TCLDH3456C	TCLDH3856C
5' 6 1/2"									
	TCLDH1856RC	TCLDH2056RC	TCLDH2456RC	TCLDH2656RC	TCLDH2856RC	TCLDH3056RC	TCLDH3256RC	TCLDH3456RC	TCLDH3856RC
6' 0 1/2"									
	TCLDH1860C	TCLDH2060C	TCLDH2460C	TCLDH2660C	TCLDH2860C	TCLDH3060C	TCLDH3260C	TCLDH3460C	TCLDH3860C
6' 0 1/2"									
	TCLDH1860RC	TCLDH2060RC	TCLDH2460RC	TCLDH2660RC	TCLDH2860RC	TCLDH3060RC	TCLDH3260RC	TCLDH3460RC	TCLDH3860RC

NOTES

Units may be ordered with sash lifts if desired. Units 3' 0" and wider will use two sash lifts.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Picture Window Sizes

	R.O.				
	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	4' 0 1/2"	5' 0 1/2"
F.S.	3' 0"	3' 2"	3' 4"	4' 0"	5' 0"
4' 0 1/2"					
4' 0"	TDHP3040	TDHP3240	TDHP3440	TDHP4040	TDHP5040
4' 6 1/2"					
4' 6"	TDHP3046	TDHP3246	TDHP3446	TDHP4046	TDHP5046
5' 0 1/2"					
5' 0"	TDHP3050	TDHP3250	TDHP3450	TDHP4050	TDHP5050
5' 1 1/2"					
5' 1"	TDHP3051	TDHP3251	TDHP3451	TDHP4051	TDHP5051
5' 6 1/2"					
5' 6"	TDHP3056	TDHP3256	TDHP3456	TDHP4056	TDHP5056
6' 0 1/2"					
6' 0"	TDHP3060	TDHP3260	TDHP3460	TDHP4060	TDHP5060
6' 6 1/2"					
6' 6"	TDHP3066	TDHP3266	TDHP3466	TDHP4066	TDHP5066

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung Transom Window Sizes

	R.O.										
	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"	5' 0 1/2"
F.S.	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"	5' 0"
1' 2"											
1' 4"	TDHT1812	TDHT2012	TDHT2412	TDHT2612	TDHT2812	TDHT3012	TDHT3212	TDHT3412	TDHT3812	TDHT4012	TDHT5012
1' 6"											
1' 8"	TDHT1814	TDHT2014	TDHT2414	TDHT2614	TDHT2814	TDHT3014	TDHT3214	TDHT3414	TDHT3814	TDHT4014	TDHT5014
2' 0"											
2' 2"	TDHT1816	TDHT2016	TDHT2416	TDHT2616	TDHT2816	TDHT3016	TDHT3216	TDHT3416	TDHT3816	TDHT4016	TDHT5016
2' 4"											
2' 6"	TDHT1818	TDHT2018	TDHT2418	TDHT2618	TDHT2818	TDHT3018	TDHT3218	TDHT3418	TDHT3818	TDHT4018	TDHT5018
2' 8"											
3' 0"	TDHT1820	TDHT2020	TDHT2420	TDHT2620	TDHT2820	TDHT3020	TDHT3220	TDHT3420	TDHT3820	TDHT4020	TDHT5020

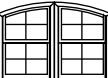
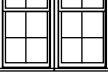
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:

A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

DOUBLE-HUNG WINDOWS

Arch Single-Hung Window Sizes

		2'-0" ¹ / ₂ "	4'-0" ¹ / ₂ "	2'-4" ¹ / ₂ "	4'-8" ¹ / ₂ "	2'-6" ¹ / ₂ "	5'-0" ¹ / ₂ "
		2'-0"	4'-0"	2'-4"	4'-8"	2'-6"	5'-0"
		3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD
3'-0" ¹ / ₂ "	3'-0"						
		TCLRDH2030	TCLRDH2030-2	TCLRDH2430	TCLRDH2430-2	TCLRDH2630	TCLRDH2630-2
3'-4" ¹ / ₂ "	3'-4"						
		TCLRDH2034	TCLRDH2034-2	TCLRDH2434	TCLRDH2434-2	TCLRDH2634	TCLRDH2634-2
4'-0" ¹ / ₂ "	4'-0"						
		TCLRDH2040	TCLRDH2040-2	TCLRDH2440	TCLRDH2440-2	TCLRDH2640	TCLRDH2640-2
4'-6" ¹ / ₂ "	4'-6"						
		TCLRDH2046	TCLRDH2046-2	TCLRDH2446	TCLRDH2446-2	TCLRDH2646	TCLRDH2646-2
5'-0" ¹ / ₂ "	5'-0"						
		TCLRDH2050	TCLRDH2050-2	TCLRDH2450	TCLRDH2450-2	TCLRDH2650	TCLRDH2650-2
5'-1" ¹ / ₂ "	5'-1"						
		TCLRDH2051	TCLRDH2051-2	TCLRDH2451	TCLRDH2451-2	TCLRDH2651	TCLRDH2651-2
5'-6" ¹ / ₂ "	5'-6"						
		TCLRDH2056	TCLRDH2056-2	TCLRDH2456	TCLRDH2456-2	TCLRDH2656	TCLRDH2656-2
6'-0" ¹ / ₂ "	6'-0"						
		TCLRDH2060	TCLRDH2060-2	TCLRDH2460	TCLRDH2460-2	TCLRDH2660	TCLRDH2660-2

NOTES

Units may be ordered with sash lifts if desired. Units 3' 0" and wider will use two sash lifts.

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

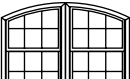
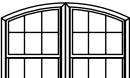
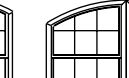
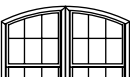
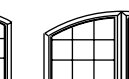
FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

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Arch Single-Hung Window Sizes

	2'-8 1/2"	5'-4 1/2"	3'-0 1/2"	6'-0 1/2"	3'-2 1/2"	6'-4 1/2"
	2'-8"	5'-4"	3'-0"	6'-0"	3'-2"	6'-4"
	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD
3'-0 1/2"						
	TCLRDH2830	TCLRDH2830-2	TCLRDH3030	TCLRDH3030-2	TCLRDH3230	
3'-4 1/2"						
	TCLRDH2834	TCLRDH2834-2	TCLRDH3034	TCLRDH3034-2	TCLRDH3234	
4'-0 1/2"						
	TCLRDH2840	TCLRDH2840-2	TCLRDH3040	TCLRDH3040-2	TCLRDH3240	TCLRDH3240-2
4'-6 1/2"						
	TCLRDH2846	TCLRDH2846-2	TCLRDH3046	TCLRDH3046-2	TCLRDH3246	TCLRDH3246-2
5'-0 1/2"						
	TCLRDH2850	TCLRDH2850-2	TCLRDH3050	TCLRDH3050-2	TCLRDH3250	TCLRDH3250-2
5'-1 1/2"						
	TCLRDH2851	TCLRDH2851-2	TCLRDH3051	TCLRDH3051-2	TCLRDH3251	TCLRDH3251-2
5'-6 1/2"						
	TCLRDH2856	TCLRDH2856-2	TCLRDH3056	TCLRDH3056-2	TCLRDH3256	TCLRDH3256
6'-0 1/2"						
	TCLRDH2860	TCLRDH2860-2	TCLRDH3060	TCLRDH3060-2	TCLRDH3260	TCLRDH3260-2

NOTES

Units may be ordered with sash lifts if desired. Units 3'0" and wider will use two sash lifts.

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

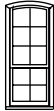
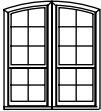
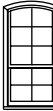
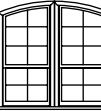
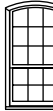
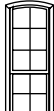
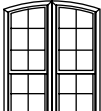
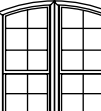
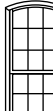
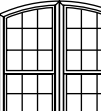
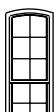
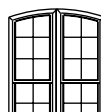
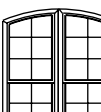
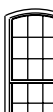
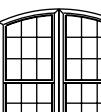
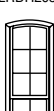
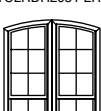
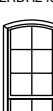
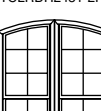
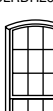
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
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DOUBLE-HUNG WINDOWS

Arch Reverse Cottage Single-Hung Window Sizes

		2'-0 1/2"	4'-0 1/2"	2'-4 1/2"	4'-8 1/2"	2'-6 1/2"	5'-0 1/2"
		2'-0"	4'-0"	2'-4"	4'-8"	2'-6"	5'-0"
R.O. F.S.		3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD
							
		TCLRDH2046RC	TCLRDH2046-2RC	TCLRDH2446RC	TCLRDH2446-2RC	TCLRDH2646RC	TCLRDH2646-2RC
							
		TCLRDH2050RC	TCLRDH2050-2RC	TCLRDH2450RC	TCLRDH2450-2RC	TCLRDH2650RC	TCLRDH2650-2RC
							
		TCLRDH2051RC	TCLRDH2051-2RC	TCLRDH2451RC	TCLRDH2451-2RC	TCLRDH2651RC	TCLRDH2651-2RC
							
		TCLRDH2056RC	TCLRDH2056-2RC	TCLRDH2456RC	TCLRDH2456-2RC	TCLRDH2656RC	TCLRDH2656-2RC
							
		TCLRDH2060RC	TCLRDH2060-2RC	TCLRDH2460RC	TCLRDH2460-2RC	TCLRDH2660RC	TCLRDH2660-2RC

NOTES

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The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

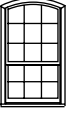
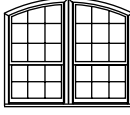
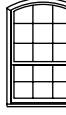
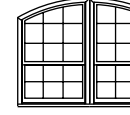
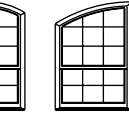
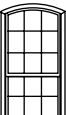
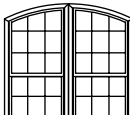
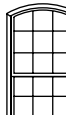
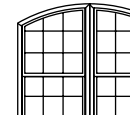
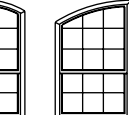
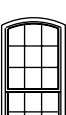
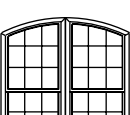
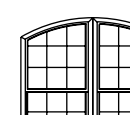
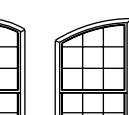
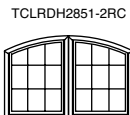
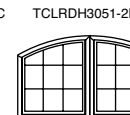
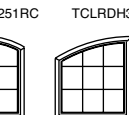
FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
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ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Arch Reverse Cottage Single-Hung Window Sizes

R.O. F.S.	2'-8 1/2"	5'-4 1/2"	3'-0 1/2"	6'-0 1/2"	3'-2 1/2"	6'-4 1/2"
	2'-8"	5'-4"	3'-0"	6'-0"	3'-2"	6'-4"
4'-6 1/2"	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD	3'-0" RAD	6'-0" RAD
4'-6"						
	TCLRDH2846RC	TCLRDH2846-2RC	TCLRDH3046RC	TCLRDH3046-2RC	TCLRDH3246RC	TCLRDH3246-2RC
5'-0 1/2"						
	TCLRDH2850RC	TCLRDH2850-2RC	TCLRDH3050RC	TCLRDH3050-2RC	TCLRDH3250RC	TCLRDH3250-2RC
5'-1 1/2"						
	TCLRDH2851RC	TCLRDH2851-2RC	TCLRDH3051RC	TCLRDH3051-2RC	TCLRDH3251RC	TCLRDH3251-2RC
5'-6 1/2"						
	TCLRDH2856RC	TCLRDH2856-2RC	TCLRDH3056RC	TCLRDH3056-2RC	TCLRDH3256RC	TCLRDH3256-2RC
6'-0 1/2"						
	TCLRDH2860RC	TCLRDH2860-2RC	TCLRDH3060RC	TCLRDH3060-2RC	TCLRDH3260RC	TCLRDH3260-2RC

NOTES

Units may be ordered with sash lifts if desired. Units 3' 0" and wider will use two sash lifts.

Bottom sash operates up and down and tilts inward for cleaning. Top sash is fixed.

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Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Double-Hung Direct-Set Transom Window Sizes

R.O. F.S.	1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"	5' 0 1/2"
	1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"	5' 0"
1'-2"											
	TDHT1812	TDHT2012	TDHT2412	TDHT2612	TDHT2812	TDHT3012	TDHT3212	TDHT3412	TDHT3812	TDHT4012	TDHT5012
1'-4"											
	TDHT1814	TDHT2014	TDHT2414	TDHT2614	TDHT2814	TDHT3014	TDHT3214	TDHT3414	TDHT3814	TDHT4014	TDHT5014
1'-6"											
	TDHT1816	TDHT2016	TDHT2416	TDHT2616	TDHT2816	TDHT3016	TDHT3216	TDHT3416	TDHT3816	TDHT4016	TDHT5016
1'-8"											
	TDHT1818	TDHT2018	TDHT2418	TDHT2618	TDHT2818	TDHT3018	TDHT3218	TDHT3418	TDHT3818	TDHT4018	TDHT5018
2'-0 1/2"											
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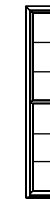
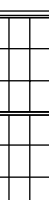
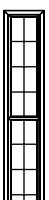
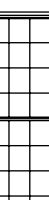
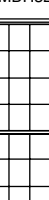
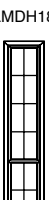
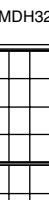
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:

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DOUBLE-HUNG WINDOWS

Monumental Single-Hung Window Sizes

		1' 8 1/2"	2' 0 1/2"	2' 4 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	3' 4 1/2"	3' 8 1/2"	4' 0 1/2"
		1' 8"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"	3' 8"	4' 0"
R.O. F.S.	8' 0 1/2"										
	8' 0"	TCLMDH1880	TCLMDH2080	TCLMDH2480	TCLMDH2680	TCLMDH2880	TCLMDH3080†	TCLMDH3280†	TCLMDH3480†	TCLMDH3880†	TCLMDH4080†
	8' 6 1/2"										
	8' 6"	TCLMDH1886	TCLMDH2086	TCLMDH2486	TCLMDH2686	TCLMDH2886	TCLMDH3086†	TCLMDH3286†	TCLMDH3486†	TCLMDH3886†	TCLMDH4086†
	9' 0 1/2"										
	9' 0"	TCLMDH1890	TCLMDH2090	TCLMDH2490	TCLMDH2690	TCLMDH2890	TCLMDH3090†	TCLMDH3290†	TCLMDH3490†	TCLMDH3890†	TCLMDH4090†
	9' 6 1/2"										
	9' 6"	TCLMDH1896	TCLMDH2096	TCLMDH2496	TCLMDH2696	TCLMDH2896	TCLMDH3096†	TCLMDH3296†	TCLMDH3496†	TCLMDH3896†	TCLMDH4096†
	10' 0 1/2"										
	10' 0"	TCLMDH18100	TCLMDH20100	TCLMDH24100	TCLMDH26100	TCLMDH28100	TCLMDH30100†	TCLMDH32100†	TCLMDH34100†	TCLMDH38100†	TCLMDH40100†

NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height). See your local code official for requirements in your area.

Units may be ordered with sash lifts if desired. Units 3' 0" and wider will use two sash lifts.

Bottom sash operates up and down but does not tilt. Top sash is fixed.

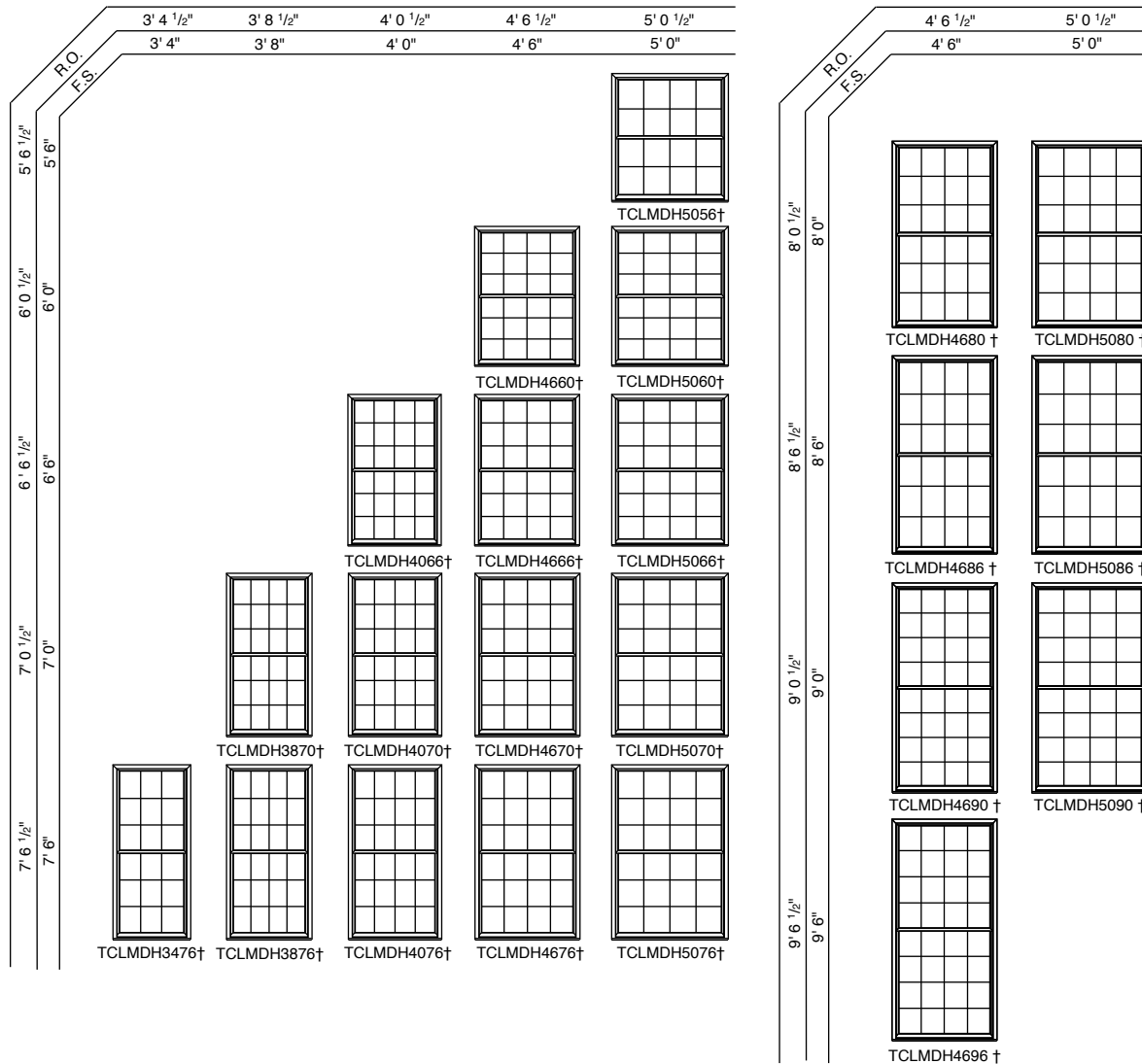
Units equal to or greater than 8' 0" tall are limited to 24" of clear opening height.

Sash Ratio: Standard units are equal sash. However, Cottage and Reverse Cottage are available as an option with some limitations. Contact your local supplier for more information.

See notes on page 73 for more information.

**FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
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Monumental Single-Hung Window Sizes



NOTES

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For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

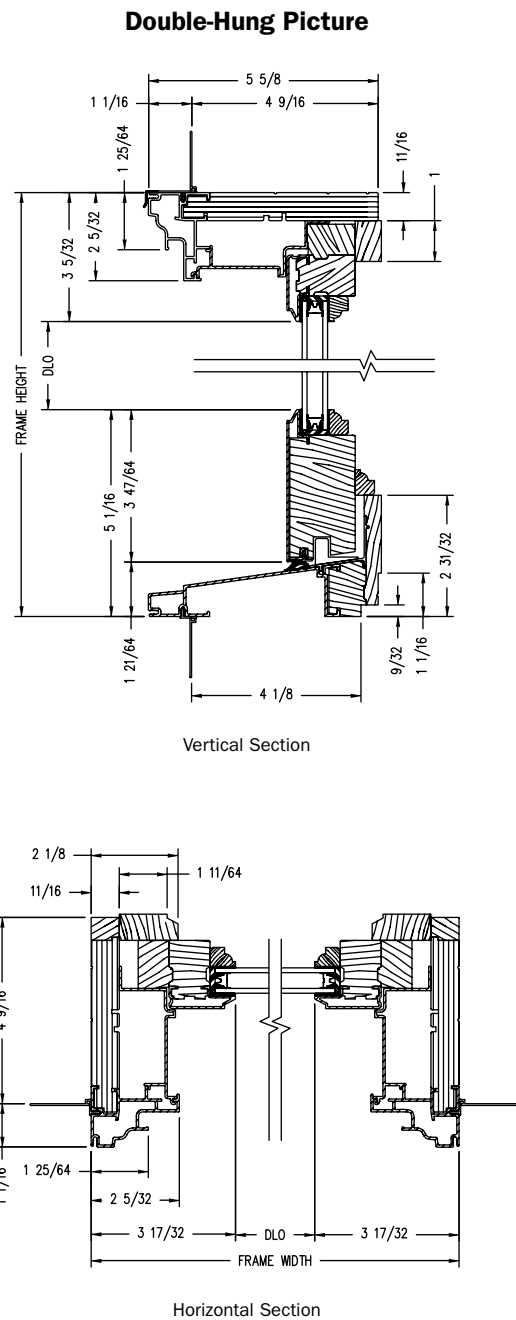
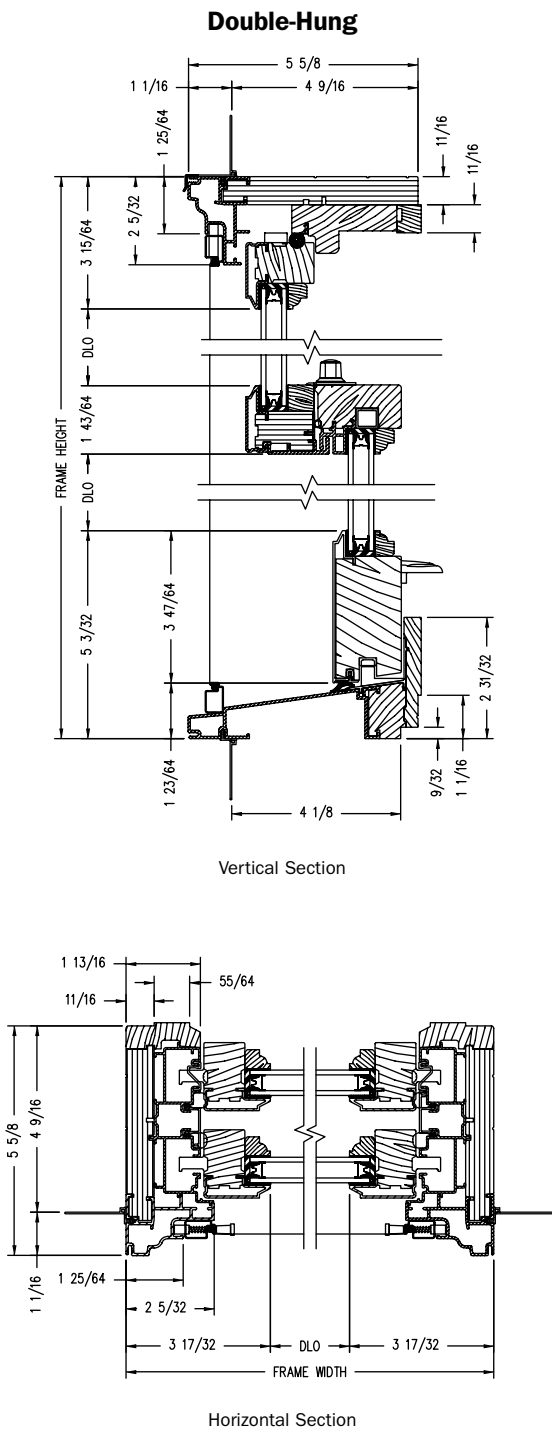
FORMULA FOR COMBINATION WINDOWS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Windows

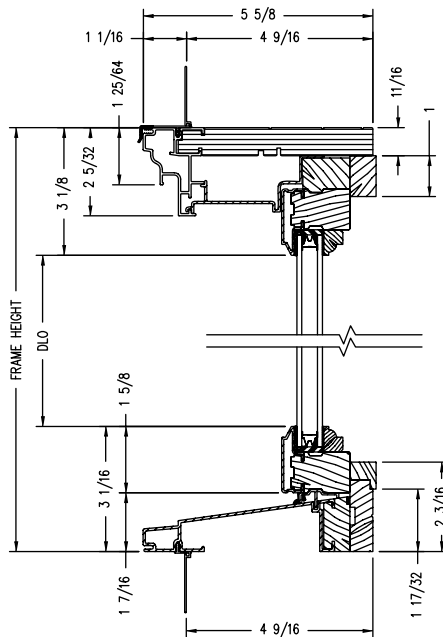


Shown with ovolo (colonial) glass stops.

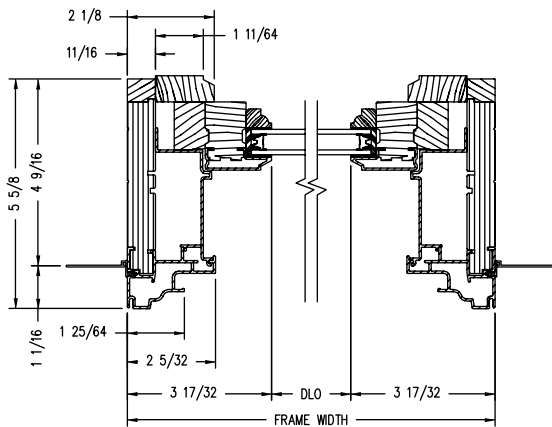
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Double-Hung Windows

Double-Hung Transom

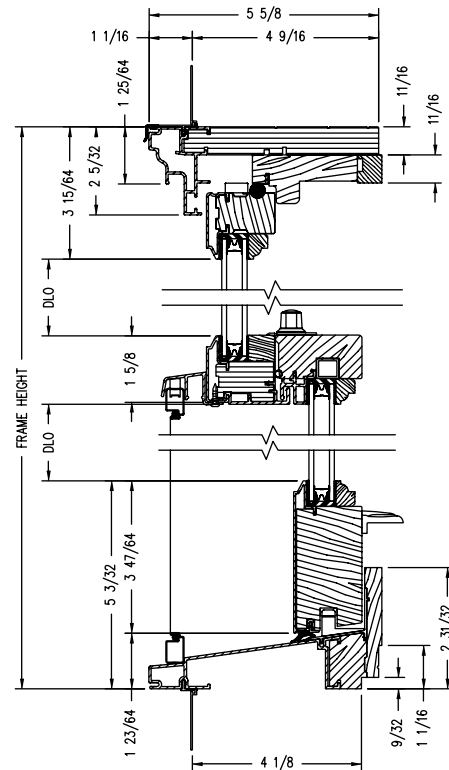


Vertical Section

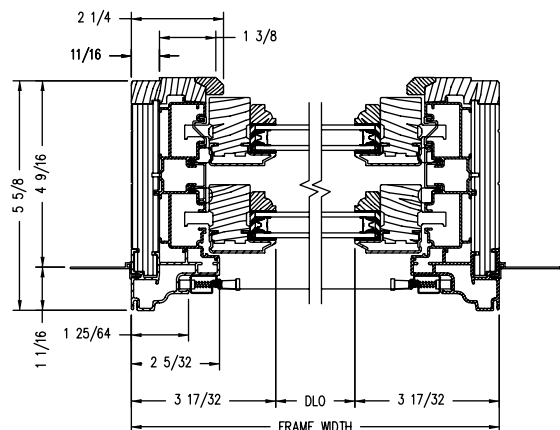


Horizontal Section

Monumental Single-Hung



Vertical Section

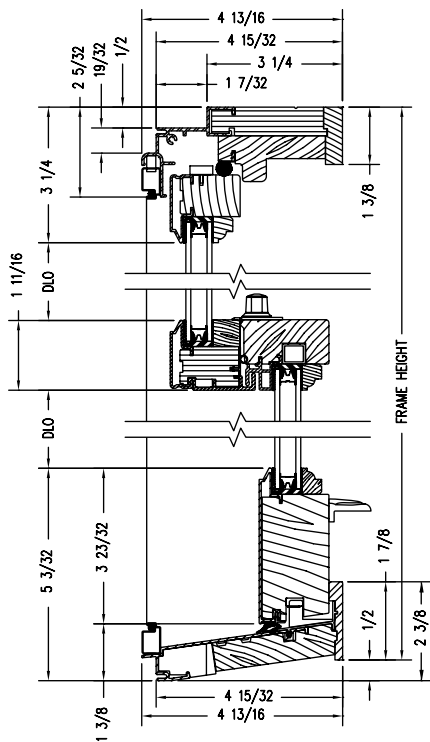


Horizontal Section

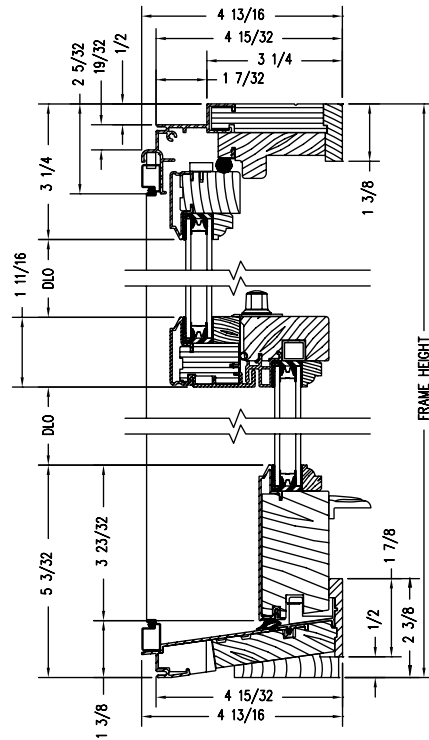
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

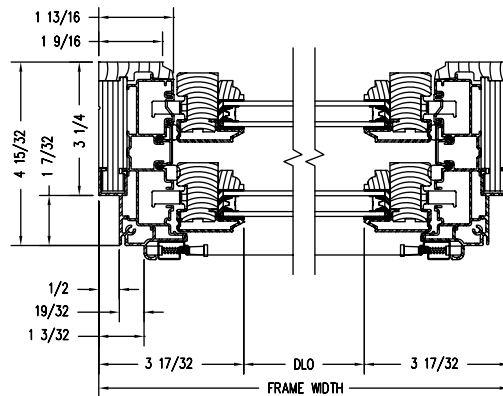
Double-Hung Insert Windows



Vertical Section
(For sill angles 8° and greater)



Vertical Section
(For sill angles less than 8°)

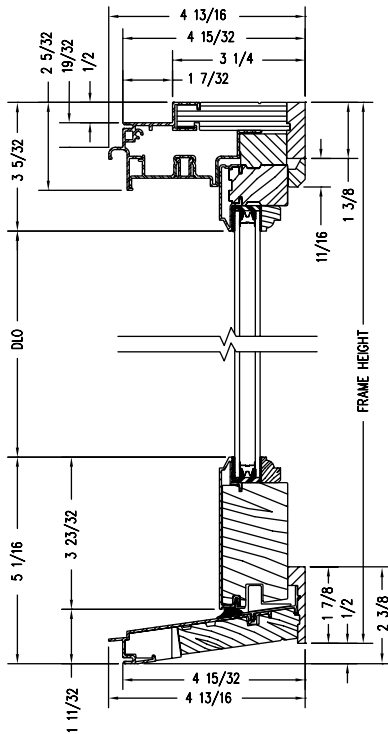


Horizontal Section

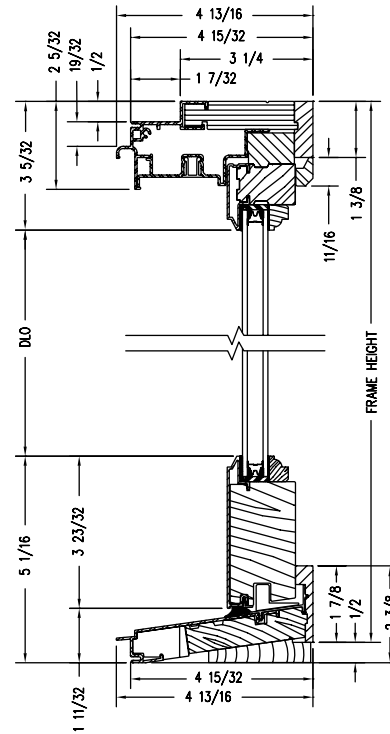
Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

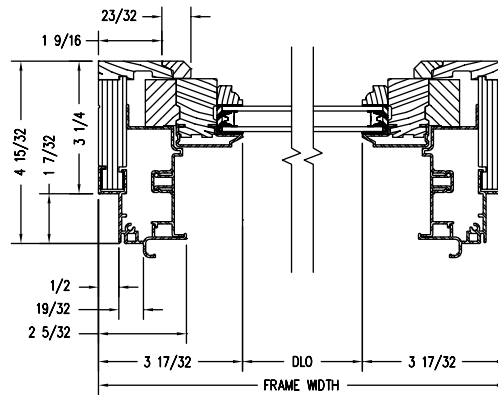
Double-Hung Picture Insert Windows



Vertical Section
(For sill angles 8° and greater)



Vertical Section
(For sill angles less than 8°)

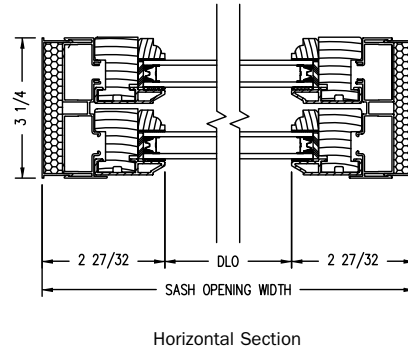
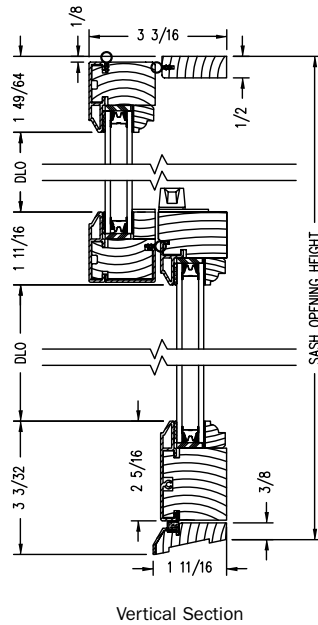


Horizontal Section

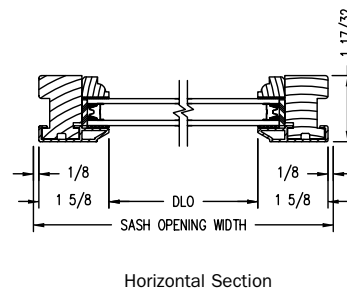
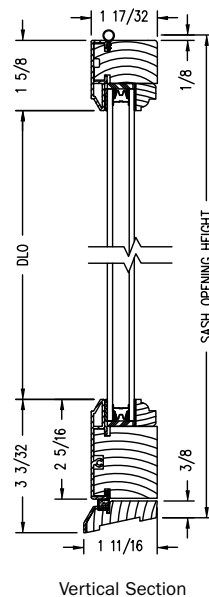
Shown with ovolo (colonial) glass stops.

Double-Hung Sash Replacement Kits

Double-Hung Sash Replacement



Double-Hung Picture Sash Replacement



Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Notes

This image shows a full page of blank graph paper. The grid consists of small, uniform squares formed by thin, light gray lines. There are no margins, text, or other markings on the page.

BAY & BOW WINDOWS

E-Series bay and bow windows provide a focal point that is architecturally consistent inside and out, making any room feel spacious. They feature consistent sight lines when integrated with double-hung or casement windows, head and seat boards in birch or oak and an all-inclusive accessory package when ordered as a kit.

Bay & Bow Window Overview

82

Sizing

10° Casement Bow

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30° & 45° Casement Bay

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90° Casement Box Bay

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30° Double-Hung Bay

89

45° Double-Hung Bay

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Window Details

Casement Bay & Bow

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Double-Hung Bay

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Installation Materials

154

Product Performance

158



Custom sizing is available.





BAY & BOW WINDOWS

FEATURES

BAY & BOW WINDOWS

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Compression bulb weatherstrip is applied for a maximum weather seal.

GLASS

B High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

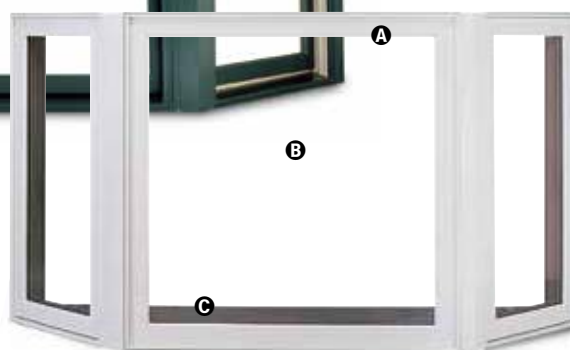
GLASS SPACERS available in black, white and stainless steel.



Double-Hung Bay Window

CABLE SUPPORT SYSTEM

Support is required underneath all bay and bow units. We offer a cable support system for your use. Insulated platforms and brackets are not included.



Casement Bay Window

HEAD & SEAT BOARDS

C Wood head and seat boards are available in birch or oak.

HARDWARE

See casement or double-hung sections for detailed hardware options.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



Pine Mixed Grain Douglas Fir Oak Maple Hickory Mahogany* Cherry Walnut Vertical Grain Douglas Fir Alder White Oak

FACTORY-FINISHED INTERIORS



Clear Coat Wheat Autumn Oak Golden Hickory Honey Cinnamon Russet Mocha Espresso

INTERIOR PAINTED OPTIONS



White Birch Bark Primed (for paint) Canvas Sandtone Terratone Forest Green Dark Bronze Dove Gray Prairie Grass Red Rock Cocoa Bean Black Anodized Silver

Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

BAY & BOW WINDOWS

VeriLock & Open/Closed Sensors **DISCONTINUED**



VeriLock sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. VeriLock sensors for double-hung windows are shown below and are available in all hardware finishes.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

INSECT SCREENS

TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Conventional Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

PRIVACY OPTIONS

System 3 Blinds for Casement Windows



A 5/8" aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades for Casement Windows

Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



5/8"

7/8"

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



7/8"

Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat

1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



7/8"

See page 22 for more information on grilles.

HARDWARE OPTIONS

Double-Hung



Lock



Sash Lift

Antique Brass | Black | **Polished Chrome** | Bronze | Gold
Oil Rubbed Bronze | Pewter | **Bright Brass** | **Brushed Chrome** | White

Windows with VeriLock sensors use a different sash lock. See above for details.

Casement

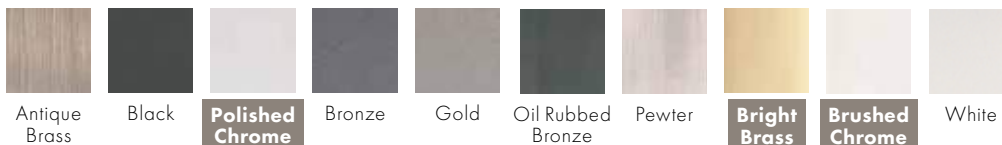


Operator Handle & Cover

Antique Brass | **Black** | **Polished Chrome** | Bronze | Gold
Oil Rubbed Bronze | Pewter | **Bright Brass** | **Brushed Chrome** | White

Bold name denotes finish shown.

HARDWARE FINISHES



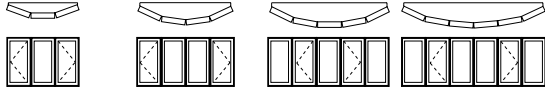
Oil rubbed bronze is a "living" finish that will change with time and use.

*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

Printing limitations prevent exact finish replication. See your Andersen supplier for actual samples.

BAY & BOW WINDOWS

10° Casement Bow Window Sizes



HEIGHT	WIDTH				
	Rough Opg.	3-WIDE 4'-6 3/16"	4-WIDE 5'-11 5/8"	5-WIDE 7'-4 9/16"	6-WIDE 8'-8 3/4"
	3'-0 1/2"	15 3/4 30-3	15 3/4 30-4	15 3/4 30-5	15 3/4 30-6
	3'-4 1/2"	15 3/4 34-3	15 3/4 34-4	15 3/4 34-5	15 3/4 34-6
	4'-0 1/2"	15 3/4 40-3	15 3/4 40-4	15 3/4 40-5	15 3/4 40-6
	4'-6 1/2"	15 3/4 46-3	15 3/4 46-4	15 3/4 46-5	15 3/4 46-6
	5'-0 1/2"	15 3/4 50-3	15 3/4 50-4	15 3/4 50-5	15 3/4 50-6
	5'-6 1/2"	15 3/4 56-3	15 3/4 56-4	15 3/4 56-5	15 3/4 56-6
	6'-0 1/2"	15 3/4 60-3	15 3/4 60-4	15 3/4 60-5	15 3/4 60-6
	Projection	0'-3 5/32"	0'-6 1/4"	0'-9 11/32"	1'-1 15/16"
	Rough Opg.	5'-0 7/8"	6'-8 1/2"	8'-3 7/16"	9'-9 11/16"
	3'-0 1/2"	1830-3	1830-4	1830-5	1830-6
	3'-4 1/2"	1834-3	1834-4	1834-5	1834-6
	4'-0 1/2"	1840-3	1840-4	1840-5	1840-6
	4'-6 1/2"	1846-3	1846-4	1846-5	1846-6
	5'-0 1/2"	1850-3	1850-4	1850-5	1850-6
	5'-6 1/2"	1856-3	1856-4	1856-5	1856-6
	6'-0 1/2"	1860-3	1860-4	1860-5	1860-6
	Projection	0'-3 9/16"	0'-7 1/32"	0'-10 1/2"	1'-3 21/32"
	Rough Opg.	6'-0 3/4"	8'-0 3/16"	9'-10 7/8"	11'-8 5/8"
	3'-0 1/2"	2030-3	2030-4	2030-5	2030-6
	3'-4 1/2"	2034-3	2034-4	2034-5	2034-6
	4'-0 1/2"	2040-3	2040-4	2040-5	2040-6
	4'-6 1/2"	2046-3	2046-4	2046-5	2046-6
	5'-0 1/2"	2050-3	2050-4	2050-5	2050-6
	5'-6 1/2"	2056-3	2056-4	2056-5	2056-6
	6'-0 1/2"	2060-3	2060-4	2060-5	2060-6
	Projection	0'-4 1/4"	0'-8 13/32"	1'-0 9/16"	1'-6 3/4"
	Rough Opg.	7'-0 5/8"	9'-3 7/8"	11'-6 1/4"	
	3'-0 1/2"	2430-3	2430-4	2430-5	-----
	3'-4 1/2"	2434-3	2434-4	2434-5	-----
	4'-0 1/2"	2440-3	2440-4	2440-5	-----
	4'-6 1/2"	2446-3	2446-4	2446-5	-----
	5'-0 1/2"	2450-3	2450-4	2450-5	-----
	5'-6 1/2"	2456-3	2456-4	2456-5	-----
	6'-0 1/2"	2460-3	2460-4	2460-5	-----
	Projection	0'-4 15/16"	0'-9 13/16"	1'-2 5/8"	-----
	Rough Opg.	7'-6 9/16"	9'-11 11/16"	12'-3 15/16"	
	3'-0 1/2"	2630-3	2630-4	2630-5	-----
	3'-4 1/2"	2634-3	2634-4	2634-5	-----
	4'-0 1/2"	2640-3	2640-4	2640-5	-----
	4'-6 1/2"	2646-3	2646-4	2646-5	-----
	5'-0 1/2"	2650-3	2650-4	2650-5	-----
	5'-6 1/2"	2656-3	2656-4	2656-5	-----
	6'-0 1/2"	2660-3	2660-4	2660-5	-----
	Projection	0'-5 5/16"	0'-10 1/2"	1'-3 21/32"	-----

NOTES

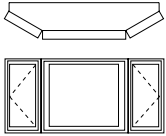
Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

30° Casement Angle Bay Window Sizes



NOTES

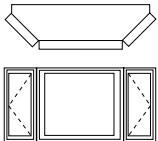
Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

WIDTH						
30 Degree Casement Angle Bay Units						
Rough Opg.	6'-5 11/16"	7'-1 11/16"	8'-1 11/16"	7'-0 5/8"	7'-8 5/8"	8'-8 5/8"
HEIGHT	1'-8" Wide Flanker Units			2'-0" Wide Flanker Units		
	3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	1840-3440-1840	1840-4040-1840	1840-5040-1840	2040-3440-2040	2040-4040-2040
	4'-6 1/2"	1846-3446-1846	1846-4046-1846	1846-5046-1846	2046-3446-2046	2046-4046-2046
	5'-0 1/2"	1850-3450-1850	1850-4050-1850	1850-5050-1850	2050-3450-2050	2050-4050-2050
	5'-6 1/2"	1856-3456-1856	1856-4056-1856	1856-5056-1856	2056-3456-2056	2056-4056-2056
	6'-0 1/2"	1860-3460-1860	1860-4060-1860	1860-5060-1860	2060-3460-2060	2060-4060-2060
Projection						
0'-10 17/32"						
7'-7 9/16"						
Rough Opg.	7'-7 9/16"	8'-3 9/16"	9'-3 9/16"	7'-11"	8'-7"	9'-7"
HEIGHT	2'-4" Wide Flanker Units			2'-6" Wide Flanker Units		
	3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	2440-3440-2440	2440-4040-2440	2440-5040-2440	2640-3440-2640	2640-4040-2640
	4'-6 1/2"	2446-3446-2446	2446-4046-2446	2446-5046-2446	2646-3446-2646	2646-4046-2646
	5'-0 1/2"	2450-3450-2450	2450-4050-2450	2450-5050-2450	2650-3450-2650	2650-4050-2650
	5'-6 1/2"	2456-3456-2456	2456-4056-2456	2456-5056-2456	2656-3456-2656	2656-4056-2656
	6'-0 1/2"	2460-3460-2460	2460-4060-2460	2460-5060-2460	2660-3460-2660	2660-4060-2660
Projection						
1'-2 17/32"						

45° Casement Angle Bay Window Sizes

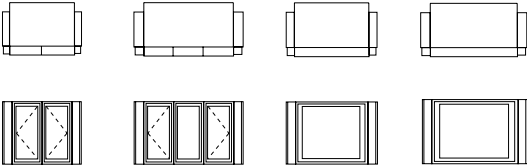


WIDTH						
45 Degree Casement Angle Bay Units						
Rough Opg.	6'-0 3/4"	6'-8 3/4"	7'-8 3/4"	6'-6 3/8"	7'-2 3/8"	8'-2 3/8"
HEIGHT	1'-8" Wide Flanker Units			2'-0" Wide Flanker Units		
	3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	1840-3440-1840	1840-4040-1840	1840-5040-1840	2040-3440-2040	2040-4040-2040
	4'-6 1/2"	1846-3446-1846	1846-4046-1846	1846-5046-1846	2046-3446-2046	2046-4046-2046
	5'-0 1/2"	1850-3450-1850	1850-4050-1850	1850-5050-1850	2050-3450-2050	2050-4050-2050
	5'-6 1/2"	1856-3456-1856	1856-4056-1856	1856-5056-1856	2056-3456-2056	2056-4056-2056
	6'-0 1/2"	1860-3460-1860	1860-4060-1860	1860-5060-1860	2060-3460-2060	2060-4060-2060
Projection						
1'-3 5/32"						
HEIGHT	2'-4" Wide Flanker Units			2'-6" Wide Flanker Units		
	3'-4" Center	4'-0" Center	5'-0" Center	3'-4" Center	4'-0" Center	5'-0" Center
	4'-0 1/2"	2440-3440-2440	2440-4040-2440	2440-5040-2440	2640-3440-2640	2640-4040-2640
	4'-6 1/2"	2446-3446-2446	2446-4046-2446	2446-5046-2446	2646-3446-2646	2646-4046-2646
	5'-0 1/2"	2450-3450-2450	2450-4050-2450	2450-5050-2450	2650-3450-2650	2650-4050-2650
	5'-6 1/2"	2456-3456-2456	2456-4056-2456	2456-5056-2456	2656-3456-2656	2656-4056-2656
	6'-0 1/2"	2460-3460-2460	2460-4060-2460	2460-5060-2460	2660-3460-2660	2660-4060-2660
Projection						
1'-8 13/16"						

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
 A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
 ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

BAY & BOW WINDOWS

90° Casement Box Bay Window Sizes



WIDTH					
HEIGHT	Rough Openings	3'-0"	4'-5 3/4"	4'-0 1/2"	5'-0 1/2"
		15 3/4-2 Center	15 3/4 -3 Center	4'-0" Center	5'-0" Center
	3'-0 1/2"	15 3/4 30-2	15 3/4 30-3	4030	5030
	4'-0 1/2"	15 3/4 40-2	15 3/4 40-3	4040	5040
	5'-0 1/2"	15 3/4 50-2	15 3/4 50-3	4050	5050
	Projection	1'-10 7/8"	1'-10 7/8"	1'-10 7/8"	1'-10 7/8"

1'-5 3/4" wide operating casement flankers are standard on all box bay units.

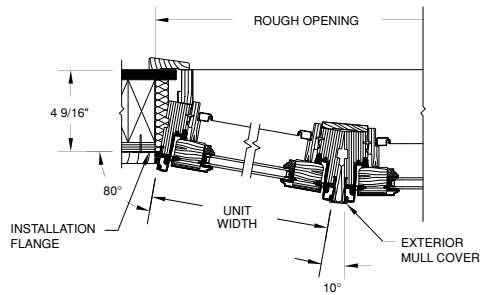
NOTES
Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

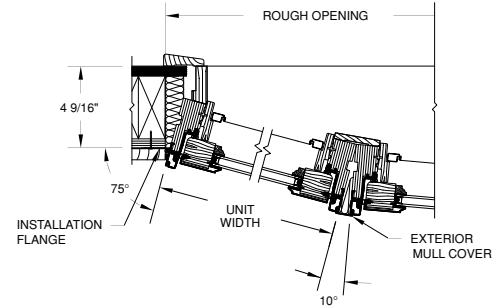
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

3-Wide 10° Casement Bow Windows



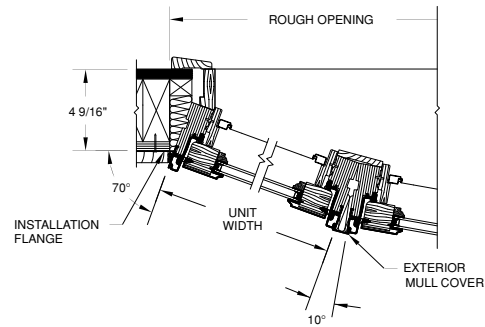
Horizontal Section

4-Wide 10° Casement Bow Windows



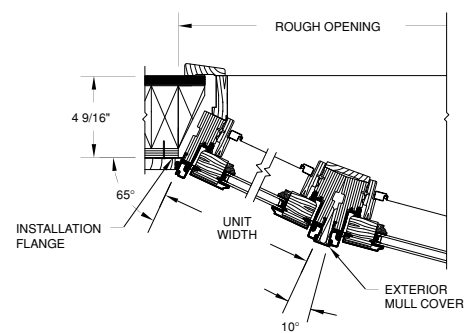
Horizontal Section

5-Wide 10° Casement Bow Windows



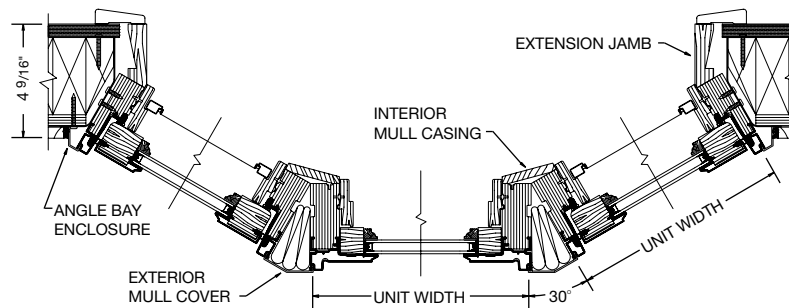
Horizontal Section

6-Wide 10° Casement Bow Windows



Horizontal Section

30° Casement Angle Bay Windows

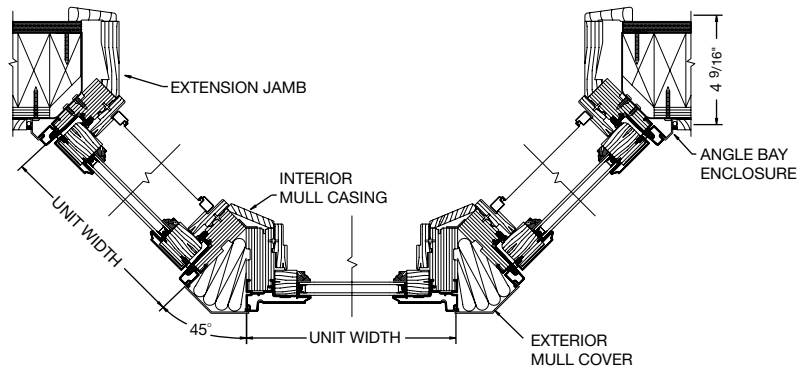


Horizontal Section

Shown with ovolo (colonial) glass stops.

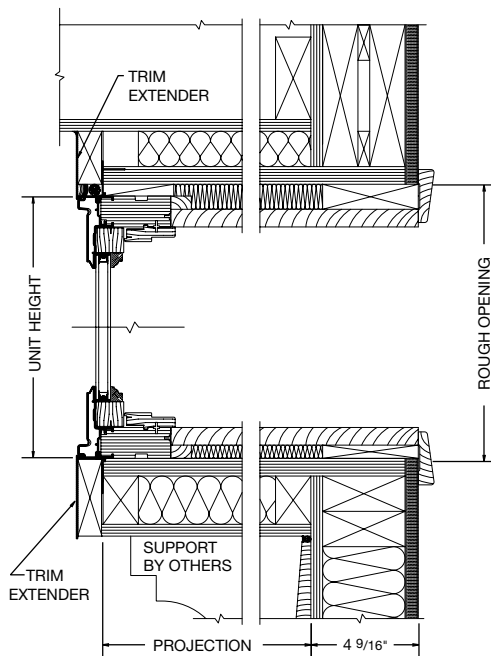
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

45° Casement Angle Bay Windows



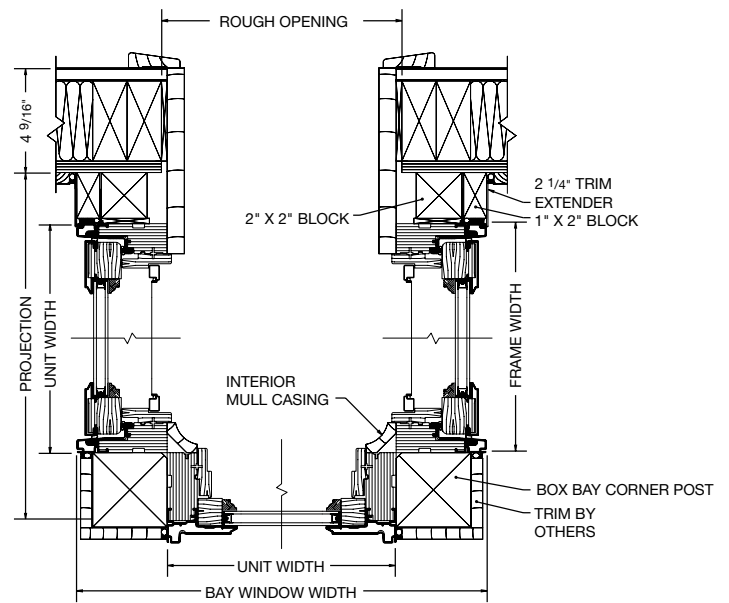
Horizontal Section

Casement Bay/Bow Windows



Vertical Section

90° Casement Box Bay Windows

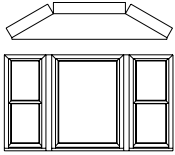


Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

30° Double-Hung Angle Bay Window Sizes



WIDTH					
30 Degree Double-Hung Angle Bay Units					
Rough Opg.	6'-3 11/16"	6'-5 11/16"	6'-7 11/16"	7'-3 11/16"	8'-3 11/16"
	1'-8" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
4'-0 1/2"	1840-3040-1840	1840-3240-1840	1840-3440-1840	1840-4040-1840	1840-5040-1840
4'-6 1/2"	1846-3046-1846	1846-3246-1846	1846-3446-1846	1846-4046-1846	1846-5046-1846
4'-9 1/2"	1849-3049-1849	1849-3249-1849	1849-3449-1849	1849-4049-1849	1849-5049-1849
5'-0 1/2"	1850-3050-1850	1850-3250-1850	1850-3450-1850	1850-4050-1850	1850-5050-1850
5'-1 1/2"	1851-3051-1851	1851-3251-1851	1851-3451-1851	1851-4051-1851	1851-5051-1851
5'-6 1/2"	1856-3056-1856	1856-3256-1856	1856-3456-1856	1856-4056-1856	1856-5056-1856
6'-0 1/2"	1860-3060-1860	1860-3260-1860	1860-3460-1860	1860-4060-1860	1860-5060-1860
Projection	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"	0'-10 3/4"
HEIGHT					
Rough Opg.	6'-10 5/8"	7'-0 5/8"	7'-2 5/8"	7'-10 5/8"	8'-10 5/8"
	2'-0" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
4'-0 1/2"	2040-3040-2040	2040-3240-2040	2040-3440-2040	2040-4040-2040	2040-5040-2040
4'-6 1/2"	2046-3046-2046	2046-3246-2046	2046-3446-2046	2046-4046-2046	2046-5046-2046
4'-9 1/2"	2049-3049-2049	2049-3249-2049	2049-3449-2049	2049-4049-2049	2049-5049-2049
5'-0 1/2"	2050-3050-2050	2050-3250-2050	2050-3450-2050	2050-4050-2050	2050-5050-2050
5'-1 1/2"	2051-3051-2051	2051-3251-2051	2051-3451-2051	2051-4051-2051	2051-5051-2051
5'-6 1/2"	2056-3056-2056	2056-3256-2056	2056-3456-2056	2056-4056-2056	2056-5056-2056
6'-0 1/2"	2060-3060-2060	2060-3260-2060	2060-3460-2060	2060-4060-2060	2060-5060-2060
Projection	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"	1'-0 3/4"
Rough Opg.	7'-5 1/2"	7'-7 1/2"	7'-9 1/2"	8'-5 1/2"	9'-5 1/2"
	2'-4" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
4'-0 1/2"	2440-3040-2440	2440-3240-2440	2440-3440-2440	2440-4040-2440	2440-5040-2440
4'-6 1/2"	2446-3046-2446	2446-3246-2446	2446-3446-2446	2446-4046-2446	2446-5046-2446
4'-9 1/2"	2449-3049-2449	2449-3249-2449	2449-3449-2449	2449-4049-2449	2449-5049-2449
5'-0 1/2"	2450-3050-2450	2450-3250-2450	2450-3450-2450	2450-4050-2450	2450-5050-2450
5'-1 1/2"	2451-3051-2451	2451-3251-2451	2451-3451-2451	2451-4051-2451	2451-5051-2451
5'-6 1/2"	2456-3056-2456	2456-3256-2456	2456-3456-2456	2456-4056-2456	2456-5056-2456
6'-0 1/2"	2460-3060-2460	2460-3260-2460	2460-3460-2460	2460-4060-2460	2460-5060-2460
Projection	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"	1'-2 3/4"

NOTES

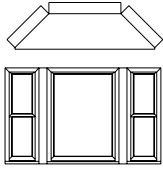
Projection is measured from the outside of the exterior sheathing to the exterior sheathing line of the outermost unit.

Support is required underneath all bay and bow units. For additional support, we offer a cable support system.

Insulated platforms and brackets are not included.

BAY & BOW WINDOWS

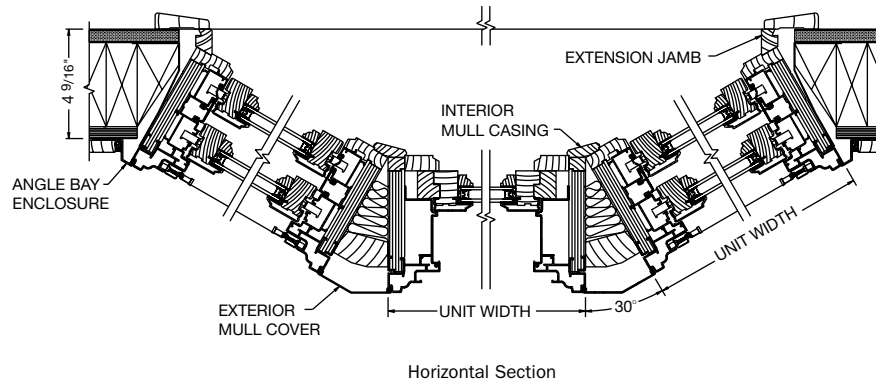
45° Double-Hung Angle Bay Window Sizes



WIDTH					
45 Degree Double-Hung Angle Bay Units					
Rough Opg.	5'-11 1/16"	6'-1 1/16"	6'-3 1/16"	6'-11 1/16"	7'-11 1/16"
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	1'-8" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	1840-3040-1840	1840-3240-1840	1840-3440-1840	1840-4040-1840	1840-5040-1840
	1846-3046-1846	1846-3246-1846	1846-3446-1846	1846-4046-1846	1846-5046-1846
	1849-3049-1849	1849-3249-1849	1849-3449-1849	1849-4049-1849	1849-5049-1849
	1850-3050-1850	1850-3250-1850	1850-3450-1850	1850-4050-1850	1850-5050-1850
	1851-3051-1851	1851-3251-1851	1851-3451-1851	1851-4051-1851	1851-5051-1851
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	2'-0" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2040-3040-2040	2040-3240-2040	2040-3440-2040	2040-4040-2040	2040-5040-2040
	2046-3046-2046	2046-3246-2046	2046-3446-2046	2046-4046-2046	2046-5046-2046
	2049-3049-2049	2049-3249-2049	2049-3449-2049	2049-4049-2049	2049-5049-2049
	2050-3050-2050	2050-3250-2050	2050-3450-2050	2050-4050-2050	2050-5050-2050
	2051-3051-2051	2051-3251-2051	2051-3451-2051	2051-4051-2051	2051-5051-2051
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	2'-4" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2440-3040-2440	2440-3240-2440	2440-3440-2440	2440-4040-2440	2440-5040-2440
	2446-3046-2446	2446-3246-2446	2446-3446-2446	2446-4046-2446	2446-5046-2446
	2449-3049-2449	2449-3249-2449	2449-3449-2449	2449-4049-2449	2449-5049-2449
	2450-3050-2450	2450-3250-2450	2450-3450-2450	2450-4050-2450	2450-5050-2450
	2451-3051-2451	2451-3251-2451	2451-3451-2451	2451-4051-2451	2451-5051-2451
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	2'-8" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2840-3040-2840	2840-3240-2840	2840-3440-2840	2840-4040-2840	2840-5040-2840
	2846-3046-2846	2846-3246-2846	2846-3446-2846	2846-4046-2846	2846-5046-2846
	2849-3049-2849	2849-3249-2849	2849-3449-2849	2849-4049-2849	2849-5049-2849
	2850-3050-2850	2850-3250-2850	2850-3450-2850	2850-4050-2850	2850-5050-2850
	2851-3051-2851	2851-3251-2851	2851-3451-2851	2851-4051-2851	2851-5051-2851
Projection	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"	1'-3 11/16"
HEIGHT					
Rough Opg.	6'-4 3/4"	6'-6 3/4"	6'-8 3/4"	7'-4 3/4"	8'-4 3/4"
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	2'-0" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2040-3040-2040	2040-3240-2040	2040-3440-2040	2040-4040-2040	2040-5040-2040
	2046-3046-2046	2046-3246-2046	2046-3446-2046	2046-4046-2046	2046-5046-2046
	2049-3049-2049	2049-3249-2049	2049-3449-2049	2049-4049-2049	2049-5049-2049
	2050-3050-2050	2050-3250-2050	2050-3450-2050	2050-4050-2050	2050-5050-2050
	2051-3051-2051	2051-3251-2051	2051-3451-2051	2051-4051-2051	2051-5051-2051
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	2'-4" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2440-3040-2440	2440-3240-2440	2440-3440-2440	2440-4040-2440	2440-5040-2440
	2446-3046-2446	2446-3246-2446	2446-3446-2446	2446-4046-2446	2446-5046-2446
	2449-3049-2449	2449-3249-2449	2449-3449-2449	2449-4049-2449	2449-5049-2449
	2450-3050-2450	2450-3250-2450	2450-3450-2450	2450-4050-2450	2450-5050-2450
	2451-3051-2451	2451-3251-2451	2451-3451-2451	2451-4051-2451	2451-5051-2451
4'-0 1/2" 4'-6 1/2" 4'-9 1/2" 5'-0 1/2" 5'-1 1/2" 5'-6 1/2" 6'-0 1/2"	2'-8" Wide Flanker Units				
	3'-0" Center	3'-2" Center	3'-4" Center	4'-0" Center	5'-0" Center
	2840-3040-2840	2840-3240-2840	2840-3440-2840	2840-4040-2840	2840-5040-2840
	2846-3046-2846	2846-3246-2846	2846-3446-2846	2846-4046-2846	2846-5046-2846
	2849-3049-2849	2849-3249-2849	2849-3449-2849	2849-4049-2849	2849-5049-2849
	2850-3050-2850	2850-3250-2850	2850-3450-2850	2850-4050-2850	2850-5050-2850
	2851-3051-2851	2851-3251-2851	2851-3451-2851	2851-4051-2851	2851-5051-2851
Projection	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"	1'-9 11/32"

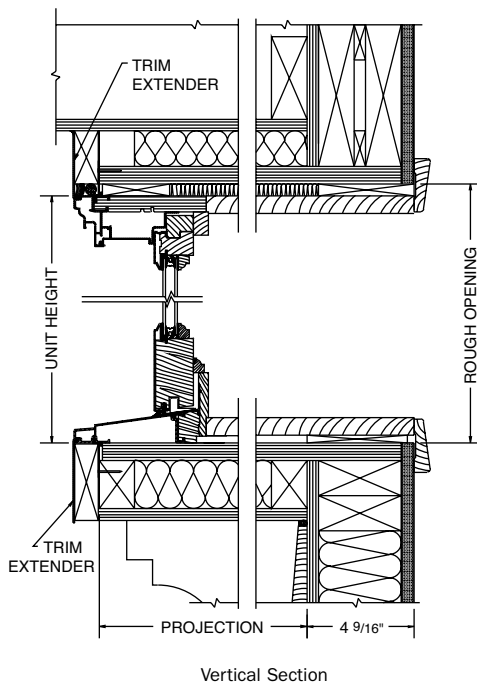
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
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30° Double-Hung Angle Bay Windows



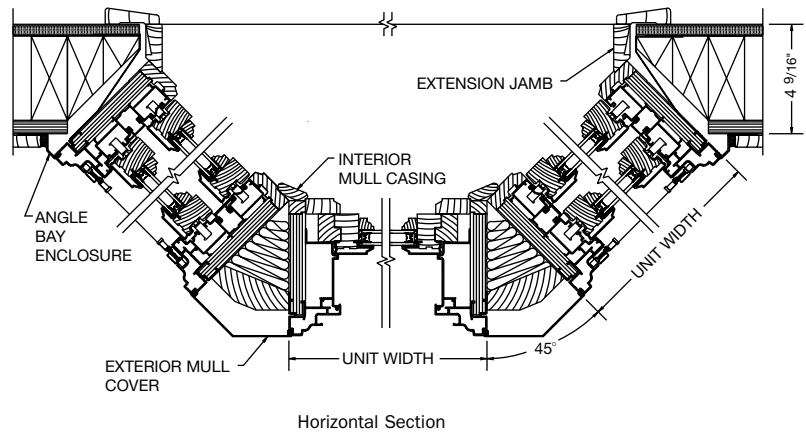
Horizontal Section

Double-Hung Angle Bay Windows



Vertical Section

45° Double-Hung Angle Bay Windows



Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

GLIDING WINDOWS

Functionality is the key to our gliding window. Efficient space utilization and sleek lines make this window the right choice for that tight, hard-to-manage space. With two or three sash systems all-in-one frame and discreet hardware creating clear, unobstructed views, these windows offer a cost-effective design with modern efficiencies.

Gliding Window Overview	94
Sizing	
Gliding 2-Sash	96
Gliding 3-Sash	96
Window Details	97
Installation Materials	154
Product Performance	158



Custom sizing is available.





GLIDING WINDOWS

FEATURES

GLIDING WINDOWS

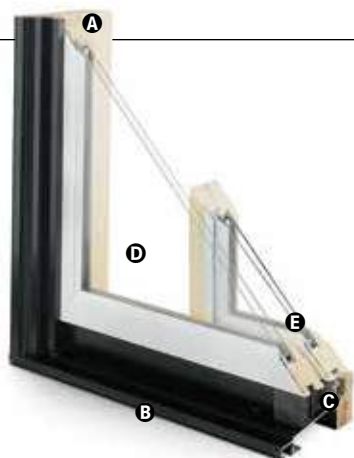
FRAME & SASH

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.

Compression foam-filled bulb weatherstrip is applied on the sill for maximum resistance to water and air infiltration. Outside and inside sash are sealed with a compression bulb weatherstrip at the meeting stile.



HEAD & SILL TRACK

C The frame consists of a rigid vinyl head and sill track. The compression-style head track helps create a positive seal between the sash and frame.

GLASS

D High-Performance Low-E4® glass with a low-conductivity spacer. Tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

E Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

HARDWARE

Sash locks and keepers give a slim, more traditional design and allow easy opening.

Slim Line sash pulls allow easy operation and do not interfere with window coverings.

HARDWARE OPTIONS



Sash Lock



Slim Line Sash Pull

Antique Brass | Black | Brushed Chrome
Black | Bronze
Brushed Chrome
Oil Rubbed Bronze | Pewter
Polished Chrome | White
Windows with VeriLock® sensors use a different sash lock. See the next page for details.
Bold name denotes finish shown.

UPDATED Hardware Finishes



Oil rubbed bronze is a "living" finish that will change with time and use.

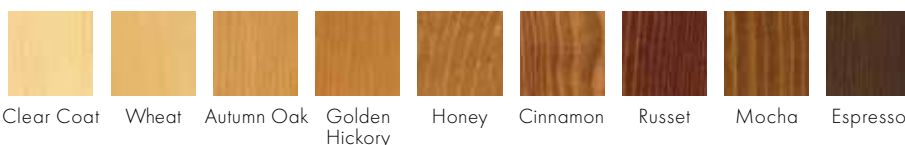
EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



FACTORY-FINISHED INTERIORS



INTERIOR PAINTED OPTIONS



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

GLIDING WINDOWS

VeriLock & Open/Closed Sensors **DISCONTINUED**



VeriLock sensors are unique as they detect whether the windows are locked or unlocked* — a feature no other sensors can provide. Available in all hardware finishes.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

INSECT SCREENS

TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. Frames are available in painted aluminum or wood-veneered options.

Conventional Insect Screens



Charcoal fiberglass screen mesh fits into an aluminum frame in all 50 exterior colors. Aluminum screen mesh is available as an option.

See page 24 for more information on our insect screens.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



$\frac{5}{8}$ "



$\frac{7}{8}$ "



$1\frac{1}{8}$ "



$1\frac{1}{2}$ "

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ ", or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



$\frac{7}{8}$ "

Finelight™ Grilles-Between-the-Glass

Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



$\frac{5}{8}$ " Flat



1" Contoured

$\frac{3}{4}$ " & 1"

Removable Interior Wood Grilles

Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



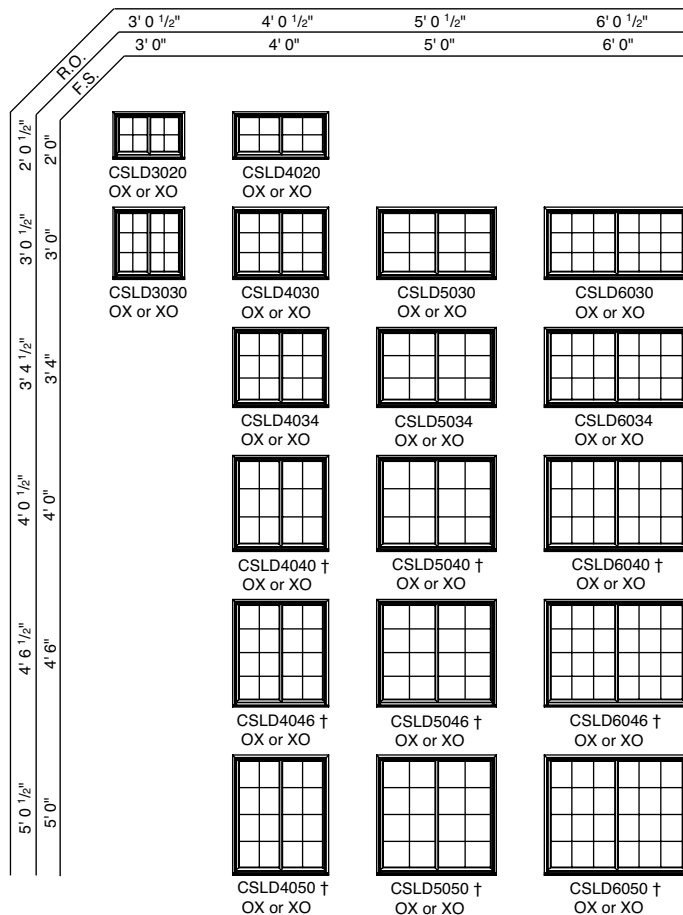
$\frac{7}{8}$ "

See page 22 for more information on grilles.

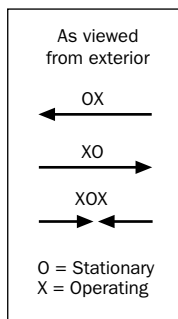
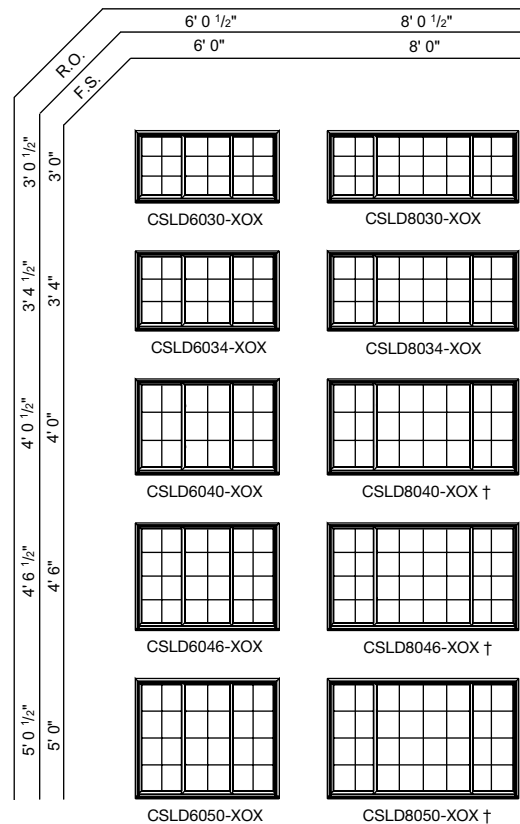
*When properly configured and maintained with a professionally installed security system and/or self monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

GLIDING WINDOWS

2-Sash Gliding Window Sizes



3-Sash Gliding Window Sizes



NOTES

† These units meet or exceed the following dimensions: Clear Opening Area 5.7 sq. ft., Clear Opening Width 20", Clear Opening Height 24" and 44" maximum floor to sill height (with standard 6' 10-1/2" structural header height). See your local code official for requirements in your area.

3-sash gliding units use 2'0" operating sash as a standard. Additional sash ratios also available.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

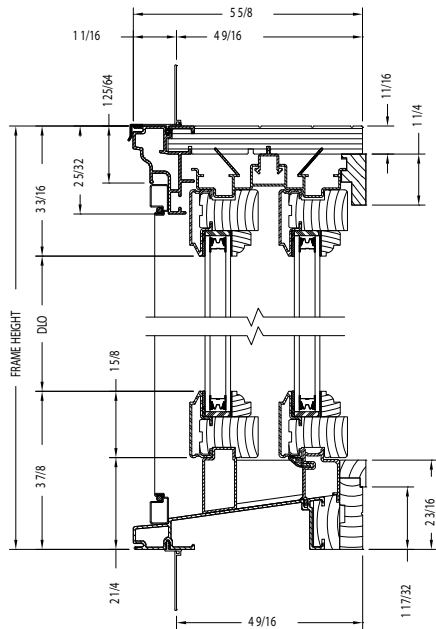
Use structural joining material when necessary or required by code.

The light patterns illustrated apply to rectangular removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

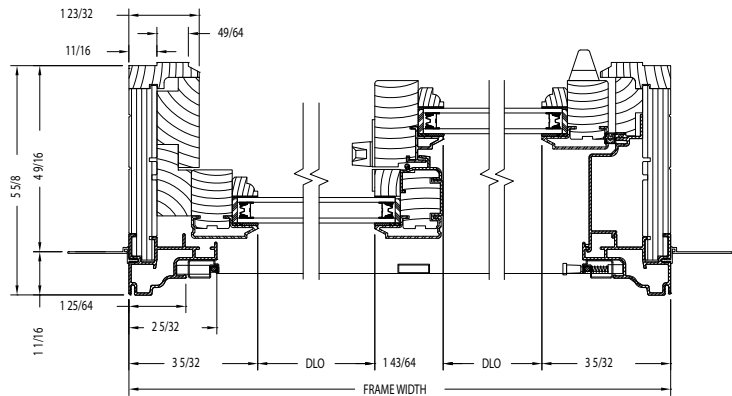
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

2-Sash Gliding Windows



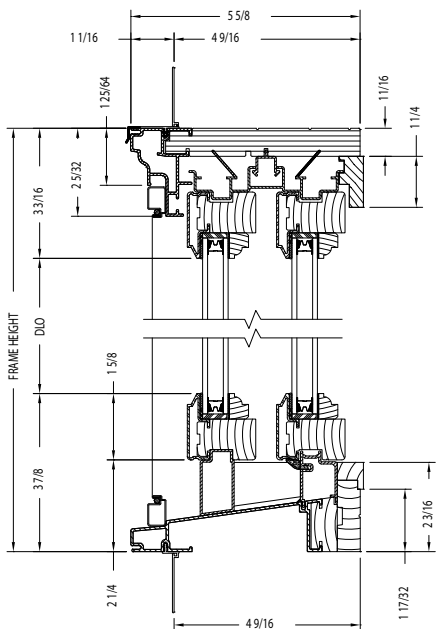
Vertical Section



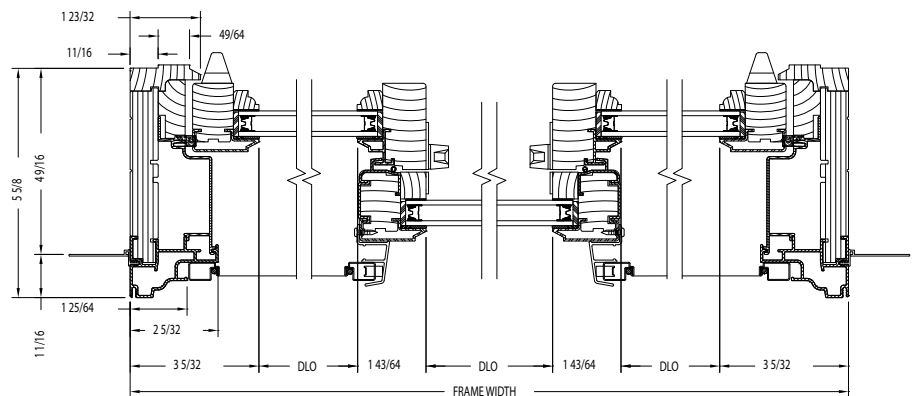
Horizontal Section

Shown with ovolo (colonial) glass stops.

3-Sash Gliding Windows



Vertical Section



Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

SPECIALTY WINDOWS

Our made-to-order philosophy lets you be creative with your look. Design your very own window using basic or unique shapes and add decorative glass for a creative accent. Our specialty profiles even complement double-hung and casement details for ultimate design flexibility.

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Custom sizing is available.





SPECIALTY WINDOWS

FEATURES

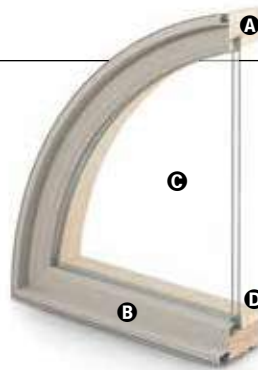
SPECIALTY WINDOWS

FRAME & SASH

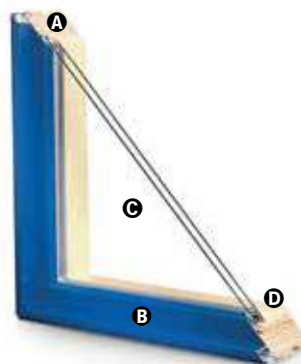
A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

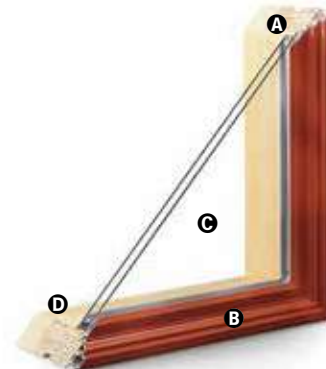
Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges or metal installation clips are available.



Half Circle



Geometric Specialty



Double-Hung Specialty

In addition to our standard profile, a double-hung specialty frame profile is also available for half circle and geometric specialty windows.

GLASS

C High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

D Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



Pine Mixed Grain Douglas Fir Oak Maple Hickory Mahogany* Cherry Walnut Vertical Grain Douglas Fir Alder **White Oak**

FACTORY-FINISHED INTERIORS



Clear Coat Wheat Autumn Oak Golden Hickory Honey Cinnamon Russet Mocha Espresso

INTERIOR PAINTED OPTIONS



White Birch Bark Primed (for paint) Canvas Sandtone Terratone Forest Green Dark Bronze Dove Gray Prairie Grass Red Rock Cocoa Bean Black Anodized Silver

Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Printing limitations prevent exact replication of colors and finishes. Please see your Andersen supplier for actual color and finish samples.

ACCESSORIES Sold Separately

SPECIALTY WINDOWS

PRIVACY OPTIONS

Blinds-Between-the-Glass



A $\frac{5}{8}$ " aluminum slat blind is encased between two panes of insulated glass in a dust-free environment (rectangular shapes only). Available colors are white, tan and almond. Blind can be tilted or raised and lowered with the use of one cord (not all sizes are retractable).

System 3 Blinds



A $\frac{5}{8}$ " aluminum slat blind is mounted to an extruded aluminum blind panel and applied to the window, creating a triple-glazed window boasting privacy and energy efficiency. Available in three colors. Blind panels are offered in white, tan, gold or an optional wood veneer to match your interior.

System 3 Shades

Pleated fabric shades are available in four colors to effortlessly and beautifully filter the light.

See page 25 for more information on our blinds and shades.

GRILLES

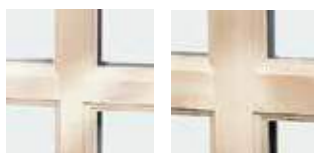
Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ " or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



$\frac{5}{8}$ "

$\frac{7}{8}$ "



$1\frac{1}{8}$ "

$1\frac{1}{2}$ "

Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in $\frac{5}{8}$ ", $\frac{7}{8}$ ", $1\frac{1}{8}$ ", $1\frac{1}{2}$ " or $2\frac{1}{4}$ " widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



$\frac{7}{8}$ "

Finelight™ Grilles-Between-the-Glass

Available in $\frac{5}{8}$ " flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



$\frac{5}{8}$ " Flat

1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a $\frac{7}{8}$ " width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.

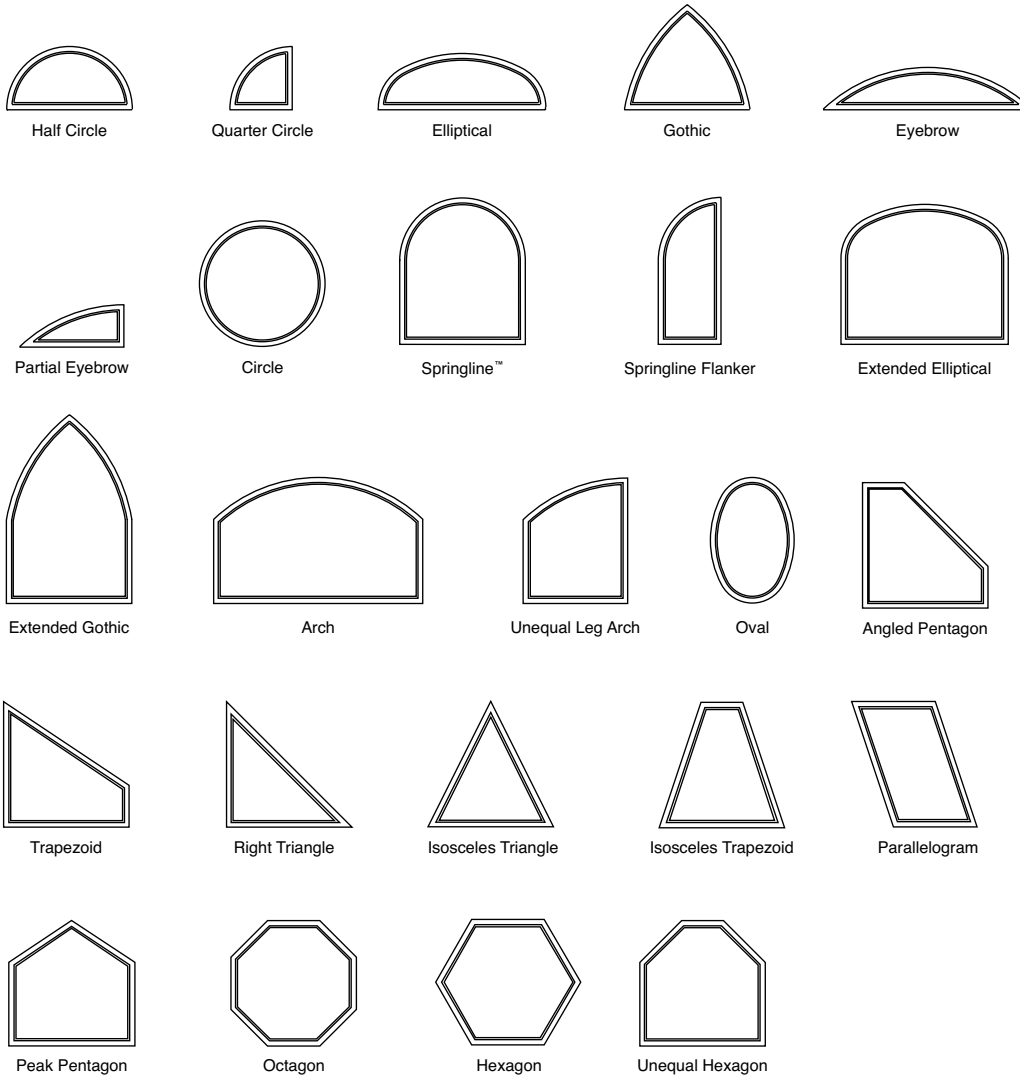


$\frac{7}{8}$ "

See page 22 for more information on grilles.

SPECIALTY WINDOWS

Specialty Shapes



NOTES

The following general guidelines do not apply to every specialty shape. Contact your local supplier for specific limitations of the specialty shapes shown above or about creating custom shapes beyond those shown here.

Overall unit block size should not be larger than 50 sq. ft.

Frame width and height must be between 9" and 144".

Units can only be larger than 82" in one direction.

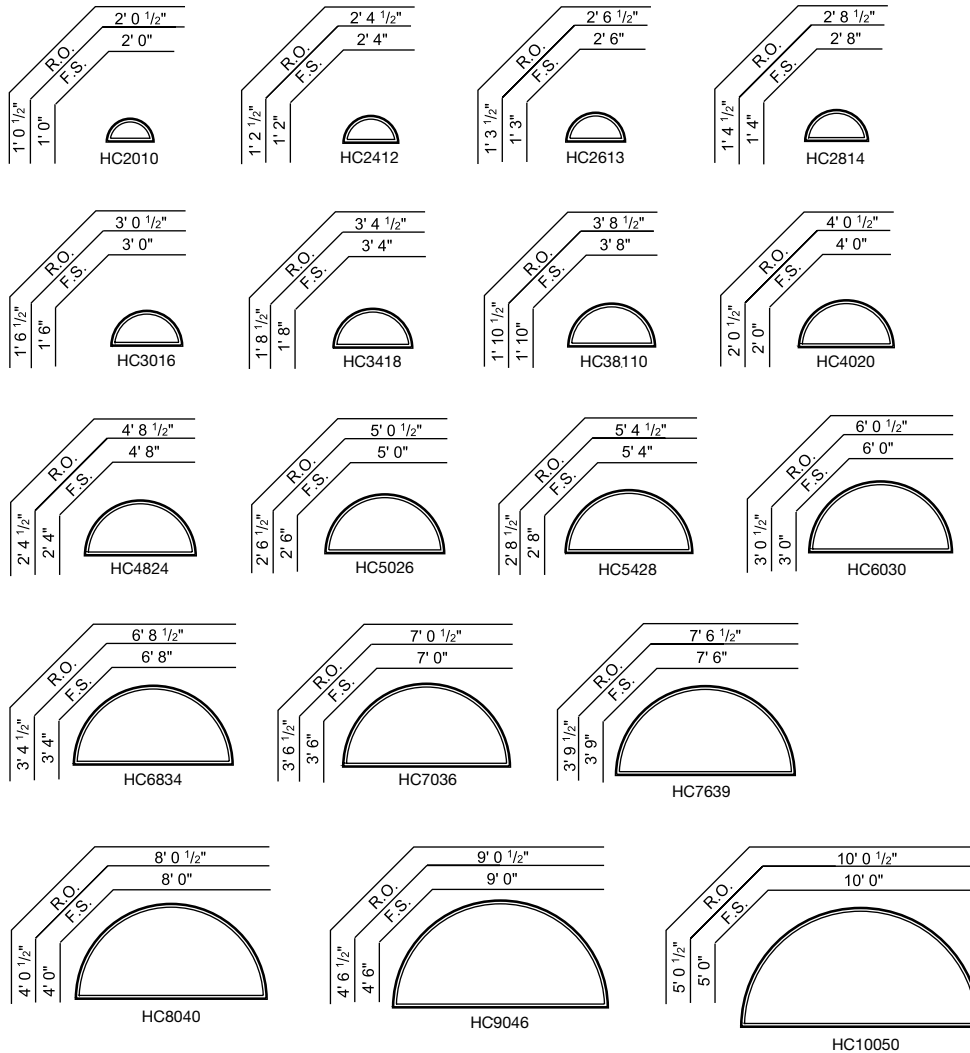
Corners/angles cannot be less than 27°.

Standard radiuses include:

1' 0"	3' 0"	7' 0"
1' 2"	3' 1"	7' 6"
1' 3"	3' 3"	8' 0"
1' 4"	3' 4"	9' 0"
1' 6"	3' 6"	10' 7"
1' 6-23/32"	3' 9"	12' 0"
1' 8"	4' 0"	13' 8"
1' 10"	4' 6"	15' 0"
2' 0"	5' 0"	16' 0"
2' 4"	5' 6"	17' 10"
2' 6"	6' 0"	19' 8"
2' 8"	6' 6"	
2' 10-19/32"		

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Half Circle Window Sizes



NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

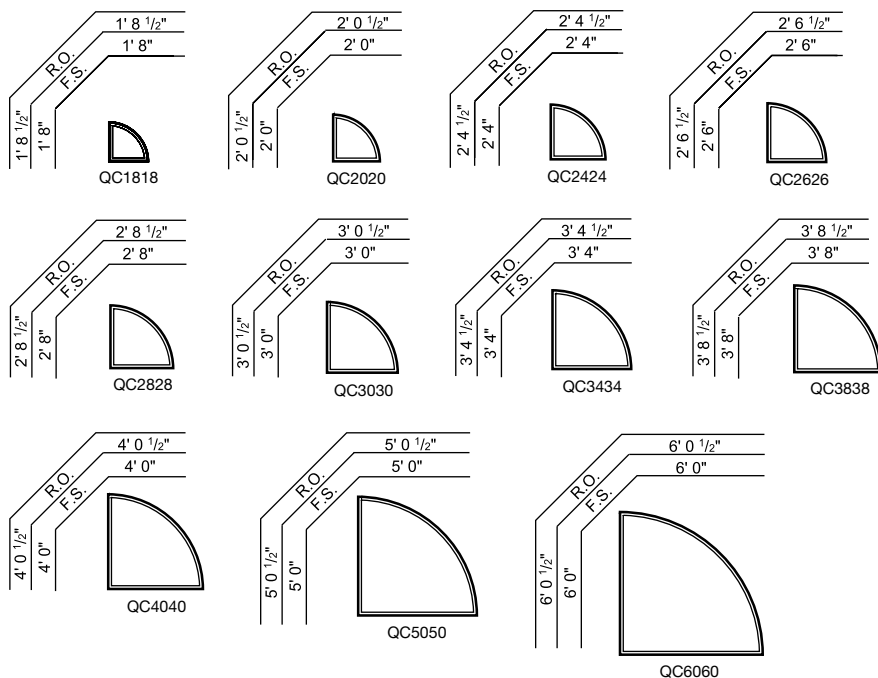
Use structural joining material when necessary or required by code.

Some limitations exist for light patterns for removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. Please contact your local supplier for more information. All removable interior wood grilles will be installed in the units unless otherwise specified.

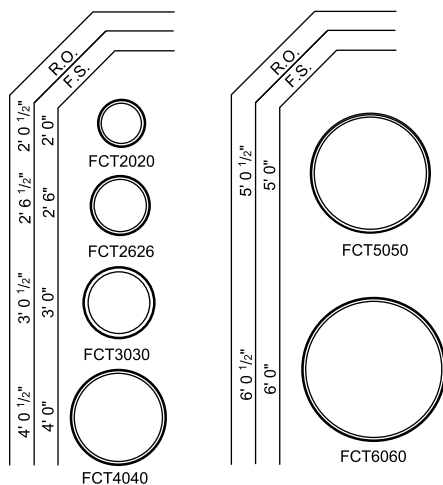
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

SPECIALTY WINDOWS

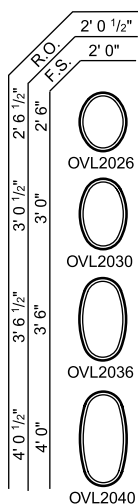
Quarter Circle Window Sizes



Circle Window Sizes



Oval Window Sizes



NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

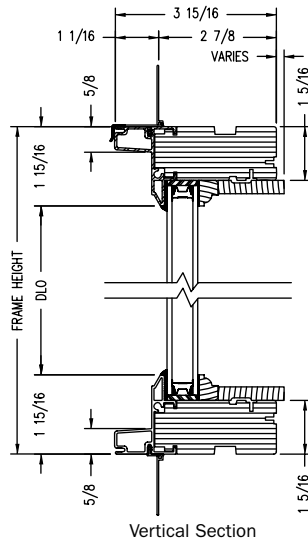
Some limitations exist for light patterns for removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. Please contact your local supplier for more information. All wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

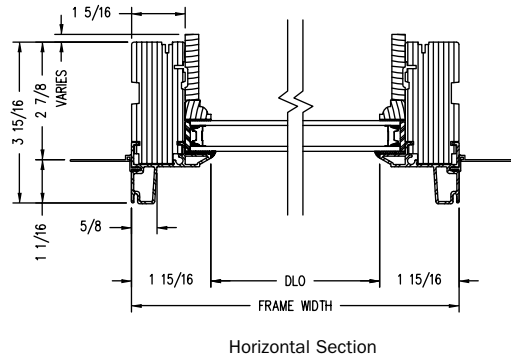
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
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Specialty Windows

Specialty

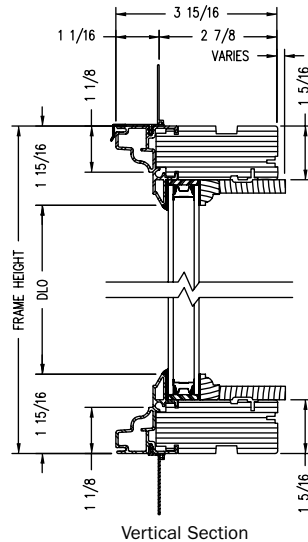


Vertical Section

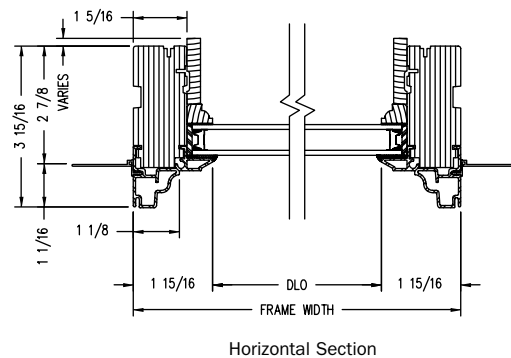


Horizontal Section

Specialty (Double-Hung Frame Profile)

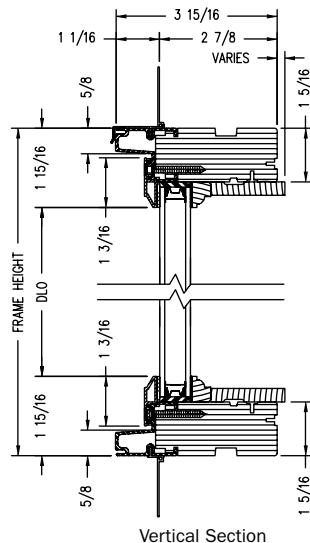


Vertical Section

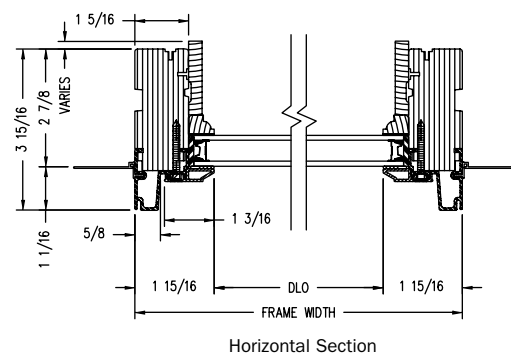


Horizontal Section

Exterior Glazed Specialty



Vertical Section



Horizontal Section

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

HINGED PATIO DOORS

Bottom and intermediate rail options are just the start to this door’s solid design. Select contemporary or French styling, go as high as 10 feet, add venting inswing or outswing sidelights or raised solid wood panel inserts and create a truly custom look.

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 Custom sizing is available.





HINGED PATIO DOORS

FEATURES

HINGED PATIO DOORS

FRAME & PANEL

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

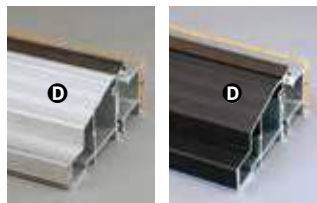
C The frame perimeter consists of a high-quality foam-filled weatherstrip.

Inswing and outswing doors receive a factory-applied vinyl installation flange with drip cap. Some inswing patio doors require an adjustable metal installation flange. Optional aluminum flanges and metal installation clips are available.

SILL

Drainage Sill for Inswing Patio Doors

D Premium grade aluminum inswing sill with an oak threshold. Sills have a built-in drainage channel that allows water to drain away from the interior of the door. A top plate is removable for easy channel cleaning. A polyurethane thermal barrier helps reduce heat loss. Available in clear anodized or dark bronze anodized finish, shown below.



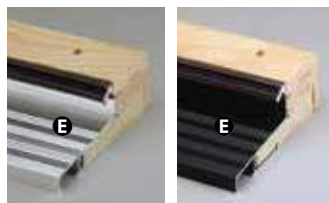
Drainage sills for inswing



Inswing Patio Door with Contemporary Panel

On-Floor Sill for Outswing Patio Doors

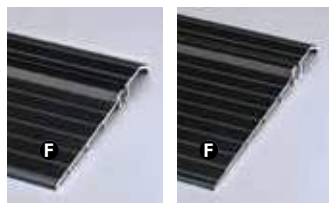
E Premium grade aluminum outswing sill with oak threshold. Outswing door sill is backed with a compression foam weatherstrip. Available in clear anodized or dark bronze anodized finish, shown below.



On-floor sills for outswing

Low-Threshold Sill

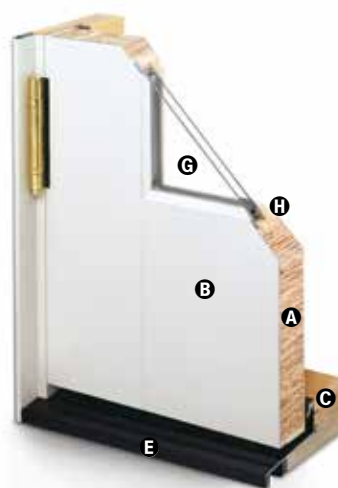
F Aluminum low threshold sill available for outswing doors and inswing doors. Available for inswing doors with jamb depths of 4⁹/₁₆" and 6⁹/₁₆". Low threshold design provides a smooth transition from interior to exterior and is wheelchair-accessible. A polyurethane thermal barrier helps reduce heat loss. Available in dark bronze anodized finish, shown below.



4⁹/₁₆" & 6⁹/₁₆" Low-threshold sills for inswing



4⁹/₁₆" Low-threshold sill for outswing



Outswing Patio Door with French Panel

GLASS

G High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

H Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

GLASS SPACERS available in black, white and stainless steel.

HARDWARE

Multi-Point Locking System

Autolatch® stainless steel multi-point locking system locks the panel in three locations to provide a secure, weather-resistant entry system. Some door heights lock the panel in four locations.

Hinges



Heavy-duty commercial grade hinges are available in finishes of antique brass, black, bright brass, satin chrome, pewter, gold dust, oil rubbed bronze, bright chrome, stainless steel, and white to go with your handle set. Hinges are complete with matching screws. An innovative hinge shimming system allows for minor adjustments.

Satin Chrome, Gold Dust and Bright Chrome DISCONTINUED

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



FACTORY-FINISHED INTERIORS



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

All factory-finished options are shown on pine.

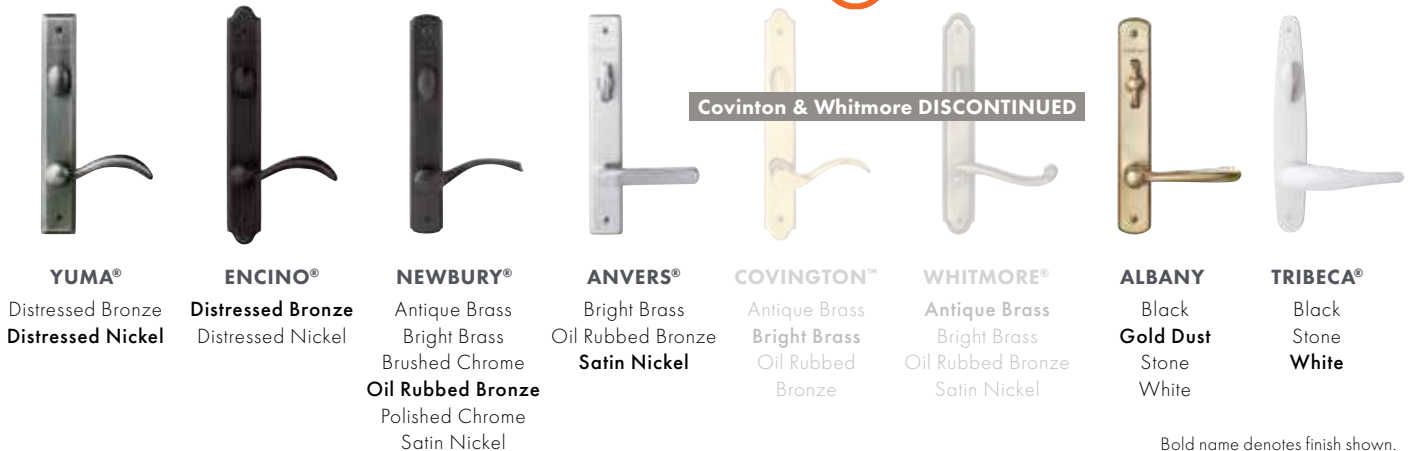
Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

INTERIOR PAINTED OPTIONS



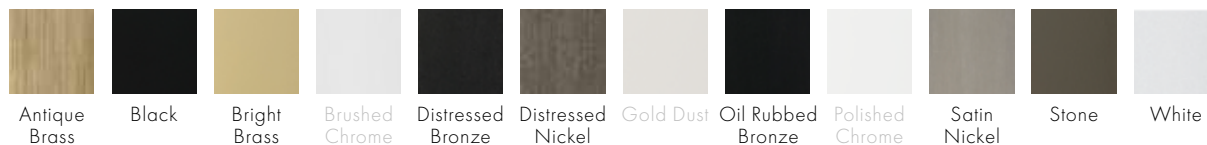
HARDWARE OPTIONS

Click icon for DESIGNER HARDWARE options.



Bold name denotes finish shown.

HARDWARE FINISHES



Distressed bronze and oil rubbed bronze is a "living" finish that will change with time and use.

Brushed Chrome, Gold Dust and Polished Chrome DISCONTINUED

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies. Matching hinges available in most hardware finishes for inswing patio doors. Mix and match interior and exterior style and finish options are available, excludes FSB hardware. Bright brass and satin nickel finishes feature a 10-year limited warranty. Tribeca and Albany hardware are zinc diecast with powder-coated durable finish, other hardware is solid forged brass. Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples. "FSB" is a registered trademark of Franz Schneider Brakel GmbH & Co.

FSB® HARDWARE & FINISHES



HINGED PATIO DOORS

FEATURES

HINGED PATIO DOORS

RAISED PANEL INSERTS



Available in $\frac{1}{2}$ and $\frac{3}{4}$ light options. Real wood, available in all wood species, makes up the interior panel insert. The exterior panel insert is made of formed aluminum cladding and is available in all 50 exterior colors and any custom color.

The raised panel inserts are based on the standard 8" bottom rail with $4\frac{1}{16}$ " stiles. Available in nine widths to match standard door panel sizes.

Additional intermediate rail options available allowing glass lights to be placed above and below the intermediate rail.

TRANSOMS



Available in two jamb depths to align with your inswing door jamb depth. Design is sloped for water disbursement. Inswing and outswing sash-set transoms are available with $2\frac{3}{4}$ ", $3\frac{1}{16}$ ", $4\frac{1}{16}$ " and $6\frac{1}{2}$ " stiles to match your door.

SIDELIGHTS



Outswing venting sidelights have concealed locks and operate with our convenient folding operator handles. Interior wood-veneered insect screen can be customized to match your interior wood species and finish.

Inswing venting sidelights come with special hardware that locks in the center and complements the door's handle set. When the handle is activated upwards, shoot bolts engage at the head and sill for added security. Inswing venting sidelights feature an exterior insect screen.

Non-venting direct-set and sash-set sidelights are also available for both inswing and outswing patio doors.

CENTER POST DOOR



Allows door panels to be hinged at the center or at the jamb. Available in two jamb depths: $4\frac{1}{16}$ " and $6\frac{1}{16}$ ".

The center post is clad laminated veneer lumber (LVL) that provides exceptional structural integrity. A top-hung gliding insect screen is available on the inswing center post door.

COMMERCIAL DOOR PANELS

Available in single or double door applications. The commercial door panel has a 12" bottom rail, $6\frac{1}{2}$ " stiles and optional $5\frac{5}{16}$ " intermediate rail.

CONCEALED PANIC SYSTEM DOOR



We have created an innovative Concealed Panic System (CPS), eliminating the need for a center astragal and exposed vertical rods on double doors. This system provides a clear opening while maintaining a sleek, uncluttered interior look. The system locks at the head and sill for added security. You get the same warm, real wood interior you've come to expect from us without the unsightly clutter common to most commercial doors.

We've also aligned with Von Duprin®, the most recognized and trusted brand of commercial hardware in the window and door industry. Von Duprin, along with the Ingersoll-Rand family of brands, provides premium push bars, handle sets, closers and kick plates to make the CPS door truly innovative. Plus, our doors are factory-prepped, making installation much easier.

ACCESSORIES Sold Separately

HINGED PATIO DOORS

HARDWARE

Construction Handle



Temporary construction handle is sent with all hinged patio doors. This handle allows operation during the construction phase, protecting finished hardware from damage or jobsite theft.

Hardware Options

Additional hardware options such as exterior keyed locks and more are also available. Contact your Andersen supplier.

SENSORS

Yale® Assure Lock®

Monitor, lock and unlock from anywhere with the Yale Assure Lock. The sleek keyless lock includes Bluetooth® technology for key-free unlocking and is compatible with Z-Wave® for integration with a wide range of smart home platforms. Available on select hinged doors, see your Andersen supplier for details.

VeriLock & Open/Closed Sensors DISCONTINUED

detect whether the doors are locked or unlocked* — a feature no other sensors can provide. Available in all hardware finishes.

Open/Closed Sensors

Wireless open/closed sensors are available in four colors.

See page 27 for Smart Home options.

INSECT SCREENS

Retractable Insect Screens



Concealed, retractable insect screen has charcoal fiberglass screen mesh. Available for inswing single or double door units. Insect screen rolls out when needed and retracts into concealed housing when not in use. Available in 50 exterior colors.

Retractable insect screens for outswing doors are field applied to the interior of the door. Available in five colors including white, almond, desert sand, bronze and black.

Hinged Insect Screens for Inswing Patio Doors

Charcoal fiberglass screen mesh fits into an aluminum frame in 50 exterior colors. Provided with a black lockable latch and automatic closer for smooth operation. Available in single or multiple door units. Aluminum screen mesh is also available.

Top-Hung Gliding Insect Screens for Inswing Center Post Patio Doors

Charcoal fiberglass screen mesh fits into an aluminum frame available in 50 exterior colors. Aluminum screen mesh is also available.

PRIVACY OPTIONS

Blinds-Between-the-Glass

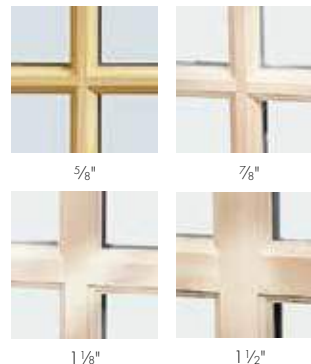


A 5/8" aluminum slat blind mounted between two panes of insulated glass in a dust-free environment. Available in white, tan and almond. Blinds are magnetically controlled and can be tilted or raised and lowered with one cord.** Not available on arch patio doors.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profile. Ovolo profile shown below, not all widths are pictured.



7/8"

Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



5/8" Flat

1" Contoured

Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



7/8"

See page 22 for more information on grilles.

*When properly configured and maintained with a professionally installed security system and/or self-monitoring system compatible with Honeywell® 5800 controls. See your Andersen supplier for more information.

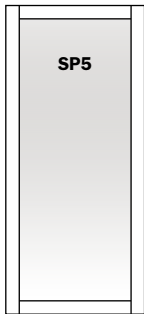
**Not all sizes are retractable. See your local Andersen supplier for details.

Hinged Patio Door Panel Labeling

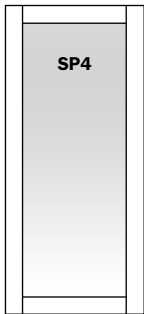
Door Panel Options

Andersen® E-Series offers a wide range of door styles to accommodate any home project style. Both contemporary and French panel styles are available to complement traditional or modern architecture.

Hinged Patio Door Contemporary Panels

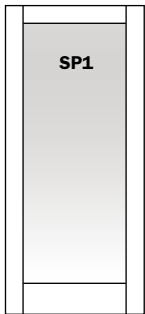


3 1/16" stiles & rails

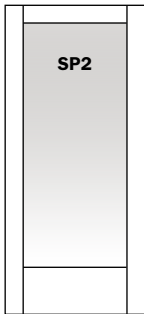


4 1/16" stiles & rails

Hinged Patio Door French Panels

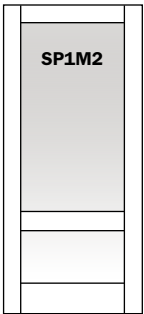


4 1/16" stiles, 4 1/16" top rail & 8" bottom rail

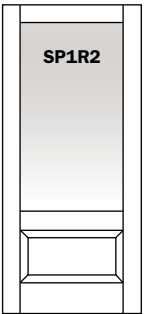


4 1/16" stiles, 4 1/16" top rail & 12" bottom rail

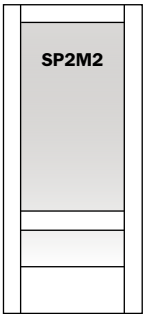
Panels with 5 5/16" Intermediate Rail 23 1/4" from Bottom of Panel



4 1/16" stiles, 4 1/16" top rail & 8" bottom rail

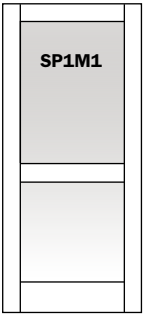


4 1/16" stiles, 4 1/16" top rail, 8" bottom rail & raised panel insert

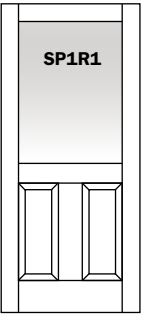


4 1/16" stiles, 4 1/16" top rail & 12" bottom rail

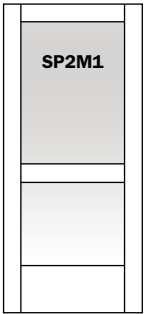
Panels with 5 5/16" Intermediate Rail 35" from Bottom of Panel



4 1/16" stiles, 4 1/16" top rail & 8" bottom rail



4 1/16" stiles, 4 1/16" top rail, 8" bottom rail & raised panel insert

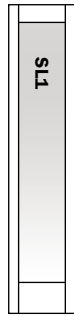


4 1/16" stiles, 4 1/16" top rail & 12" bottom rail

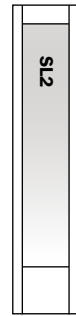
Sidelight Panels

Contemporary Panel

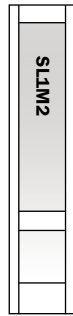

2 3/4" stiles
4 1/16" top rail
& bottom rail

French Panels


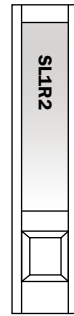
2 3/4" stiles
4 1/16" top rail
8" bottom rail



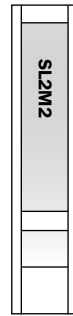
2 3/4" stiles
4 1/16" top rail
12" bottom rail

5 5/16" Intermediate Rail 23 3/4" from Bottom of Panel


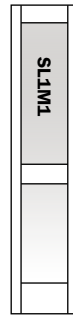
2 3/4" stiles
4 1/16" top rail
8" bottom rail



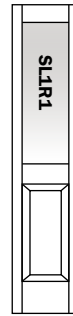
2 3/4" stiles
4 1/16" top rail
8" bottom rail &
raised panel insert



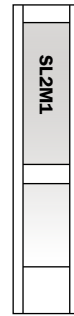
2 3/4" stiles
4 1/16" top rail
12" bottom rail

5 5/16" Intermediate Rail 35" from Bottom of Panel


2 3/4" stiles
4 1/16" top rail
8" bottom rail



2 3/4" stiles
4 1/16" top rail
8" bottom rail &
raised panel insert



2 3/4" stiles
4 1/16" top rail
12" bottom rail

Transom Panels



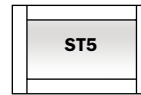
2 3/4" stiles & rails



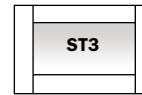
2 3/4" stiles & 4 1/16" rails



4 1/16" stiles & 2 3/4" rails

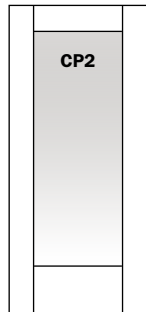


3 1/16" stiles & rails

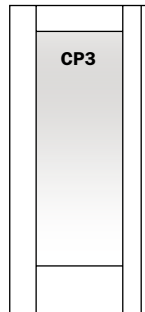


4 1/16" stiles & rails

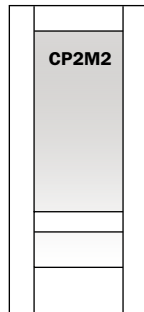
Commercial Door, Sidelight & Transom Panels*



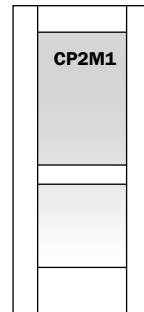
6 1/2" stiles, 6 1/2" top rail
& 12" bottom rail



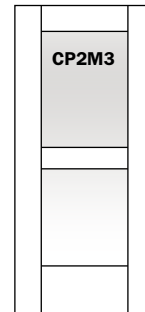
6 1/2" stiles, 6 1/2" top rail
& 12" bottom rail
Concealed Panic System



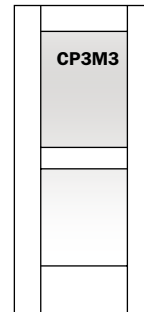
6 1/2" stiles, 6 1/2" top rail
& 12" bottom rail with
5 5/16" intermediate rail
23 3/4" from bottom of panel



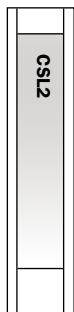
6 1/2" stiles, 6 1/2" top rail
& 12" bottom rail with
5 5/16" intermediate rail
35" from bottom of panel



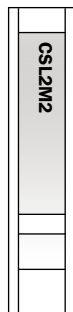
6 1/2" stiles, 6 1/2" top rail
& 12" bottom rail with
5 5/16" intermediate rail
39" from bottom of panel



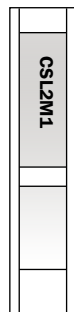
6 1/2" stiles, 6 1/2" top rail
& 12" bottom rail with
5 5/16" intermediate rail
39" from bottom of panel
Concealed Panic System



2 3/4" stiles,
6 1/2" top rail &
12" bottom rail



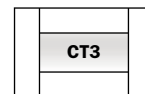
2 3/4" stiles, 6 1/2" top rail
& 12" bottom rail with
5 5/16" intermediate rail
23 3/4" from bottom of panel



2 3/4" stiles, 6 1/2" top rail
& 12" bottom rail with
5 5/16" intermediate rail
35" from bottom of panel



6 1/2" stiles & 2 3/4" rails



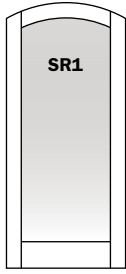
6 1/2" stiles & rails



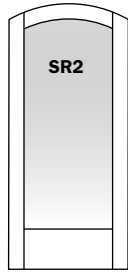
2 3/4" stiles & 6 1/2" rails

* Also available for residential applications.

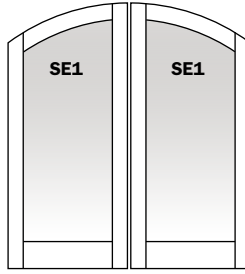
Arch Panels



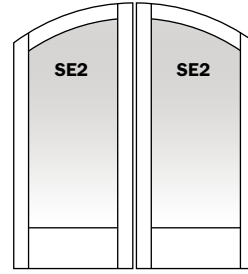
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail
& 8" bottom rail



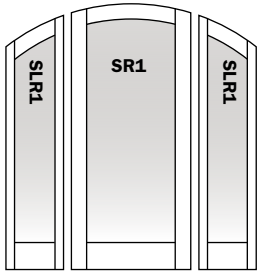
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail
& 12" bottom rail



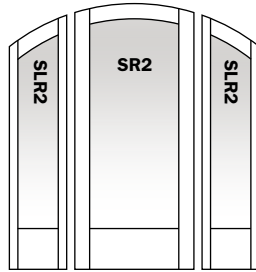
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail
& 8" bottom rail



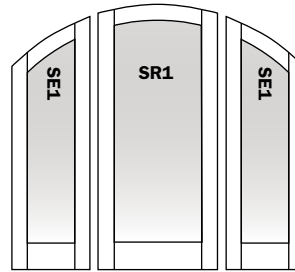
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail
& 12" bottom rail



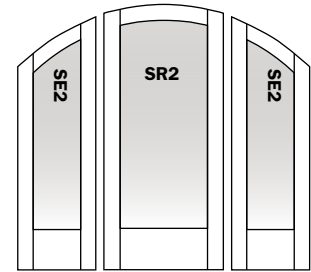
2 $\frac{3}{4}$ " stiles 4 $\frac{1}{16}$ " stiles
4 $\frac{1}{16}$ " top rail 4 $\frac{1}{16}$ " top rail
8" bottom rail 8" bottom rail



2 $\frac{3}{4}$ " stiles 4 $\frac{1}{16}$ " stiles
4 $\frac{1}{16}$ " top rail 4 $\frac{1}{16}$ " top rail
12" bottom rail 12" bottom rail

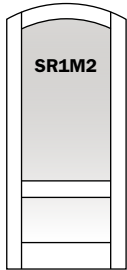


4 $\frac{1}{16}$ " stiles 4 $\frac{1}{16}$ " stiles
4 $\frac{1}{16}$ " top rail 4 $\frac{1}{16}$ " top rail
8" bottom rail 8" bottom rail

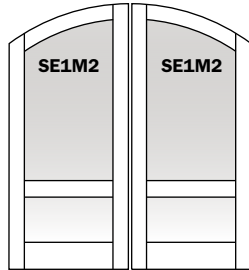


4 $\frac{1}{16}$ " stiles 4 $\frac{1}{16}$ " stiles
4 $\frac{1}{16}$ " top rail 4 $\frac{1}{16}$ " top rail
12" bottom rail 12" bottom rail

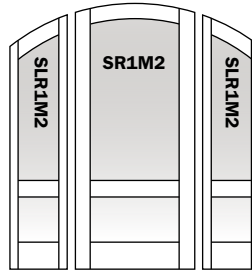
Arch Panels with 5 $\frac{5}{16}$ " Intermediate Rail 23 $\frac{1}{4}$ " from Bottom of Panel



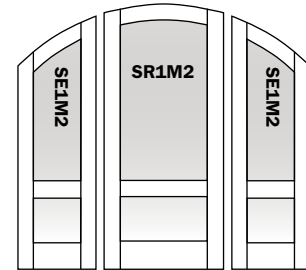
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail
& 8" bottom rail



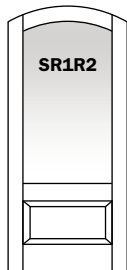
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail
& 8" bottom rail



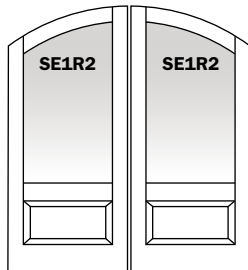
2 $\frac{3}{4}$ " stiles 4 $\frac{1}{16}$ " stiles
4 $\frac{1}{16}$ " top rail 4 $\frac{1}{16}$ " top rail
8" bottom rail 8" bottom rail



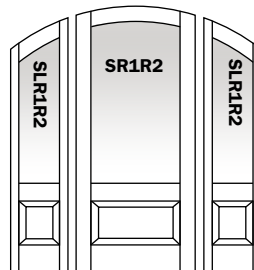
4 $\frac{1}{16}$ " stiles 4 $\frac{1}{16}$ " stiles
4 $\frac{1}{16}$ " top rail 4 $\frac{1}{16}$ " top rail
8" bottom rail 8" bottom rail



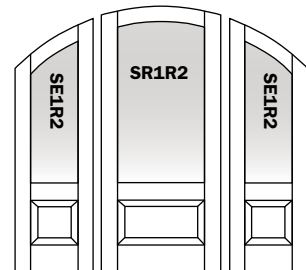
4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail,
8" bottom rail &
raised panel insert



4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " top rail,
8" bottom rail &
raised panel inserts

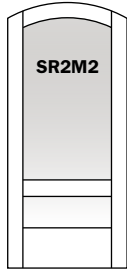


2 $\frac{3}{4}$ " stiles, 4 $\frac{1}{16}$ " stiles,
4 $\frac{1}{16}$ " top rail, 4 $\frac{1}{16}$ " top rail,
8" bottom rail & raised panel
& raised panel insert insert

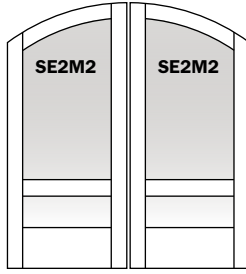


4 $\frac{1}{16}$ " stiles, 4 $\frac{1}{16}$ " stiles,
4 $\frac{1}{16}$ " top rail, 4 $\frac{1}{16}$ " top rail,
8" bottom rail & raised panel
& raised panel insert insert

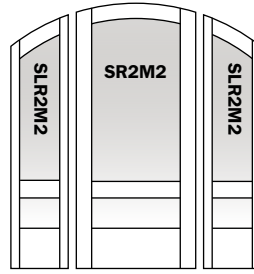
Arch Panels with 5⁵/₁₆" Intermediate Rail 23¹/₄" from Bottom of Panel (Continued)



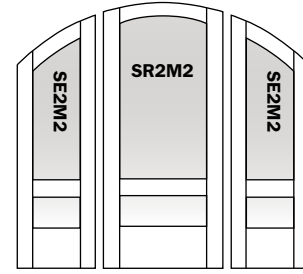
4¹/₁₆" stiles, 4¹/₁₆" top rail
& 12" bottom rail



4¹/₁₆" stiles, 4¹/₁₆" top rail
& 12" bottom rail

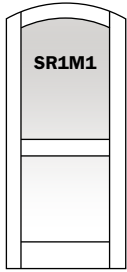


2³/₄" stiles 4¹/₁₆" stiles
4¹/₁₆" top rail 4¹/₁₆" top rail
12" bottom rail 12" bottom rail

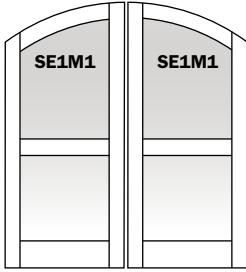


4¹/₁₆" stiles 4¹/₁₆" stiles
4¹/₁₆" top rail 4¹/₁₆" top rail
12" bottom rail 12" bottom rail

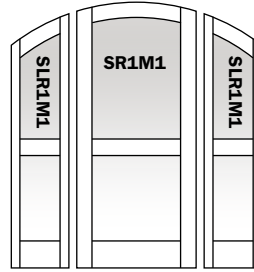
Arch Panels with 5⁵/₁₆" Intermediate Rail 35" from Bottom of Panel



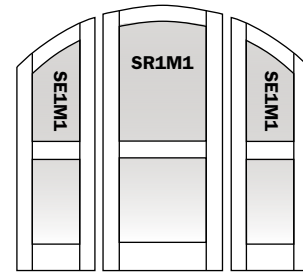
4¹/₁₆" stiles, 4¹/₁₆" top rail
& 8" bottom rail



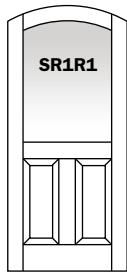
4¹/₁₆" stiles, 4¹/₁₆" top rail
& 8" bottom rail



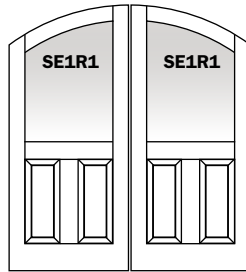
2³/₄" stiles 4¹/₁₆" stiles
4¹/₁₆" top rail 4¹/₁₆" top rail
8" bottom rail 8" bottom rail



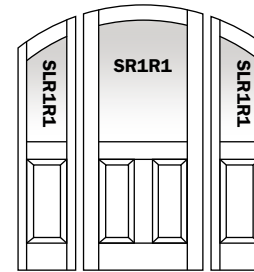
4¹/₁₆" stiles 4¹/₁₆" stiles
4¹/₁₆" top rail 4¹/₁₆" top rail
8" bottom rail 8" bottom rail



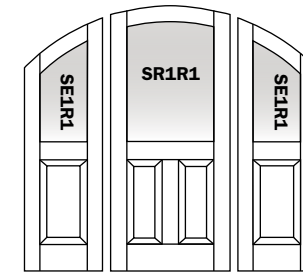
4¹/₁₆" stiles, 4¹/₁₆" top rail,
8" bottom rail &
raised panel insert



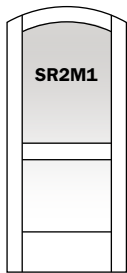
4¹/₁₆" stiles, 4¹/₁₆" top rail,
8" bottom rail &
raised panel inserts



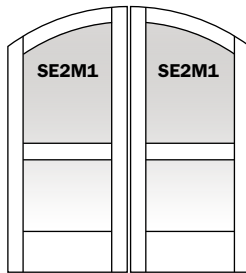
2³/₄" stiles, 4¹/₁₆" stiles,
4¹/₁₆" top rail, 4¹/₁₆" top rail,
8" bottom rail & 8" bottom rail
& raised panel & raised panel
insert insert



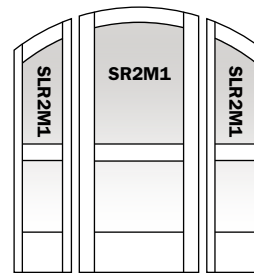
4¹/₁₆" stiles, 4¹/₁₆" stiles,
4¹/₁₆" top rail, 4¹/₁₆" top rail,
8" bottom rail & 8" bottom rail
& raised panel & raised panel
insert insert



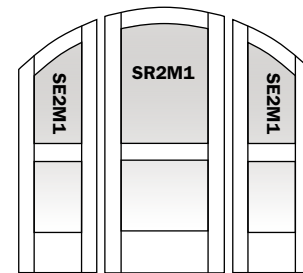
4¹/₁₆" stiles, 4¹/₁₆" top rail
& 12" bottom rail



4¹/₁₆" stiles, 4¹/₁₆" top rail
& 12" bottom rail



2³/₄" stiles 4¹/₁₆" stiles
4¹/₁₆" top rail 4¹/₁₆" top rail
12" bottom rail 12" bottom rail

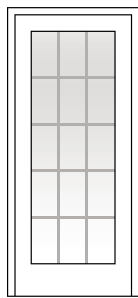


4¹/₁₆" stiles 4¹/₁₆" stiles
4¹/₁₆" top rail 4¹/₁₆" top rail
12" bottom rail 12" bottom rail

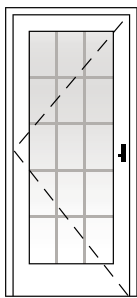
Hinged Patio Door Handing

The door handing and order designation noted below and on the opposite page is consistent with the handing of other Andersen® doors and is used throughout the remainder of the hinged patio doors section.

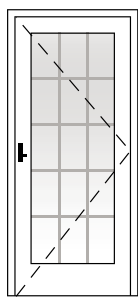
Identification
All hinged doors are **viewed from the exterior**. From left to right, choose stationary, active or passive, then choose hinge location.



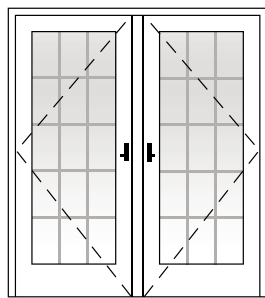
Stationary Panel
Non-operating panel.



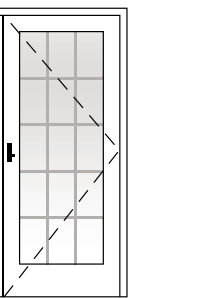
Left Hinged
Hinges mounted on the left side of the panel.



Right Hinged
Hinges mounted on the right side of the panel.



Active Panel
The operating panel most often used.



Passive Panel
The operating panel with astragal attached.

Hinged Patio Doors — Inswing

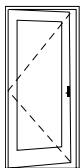
Handing Options

Single Door



S

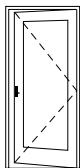
Stationary Panel



A

L

Active Panel



A

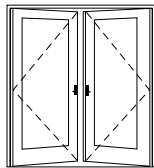
R

Active Panel

Right Hinged

Double Door

(shown as APLR)



A

P

L

R

Active Panel

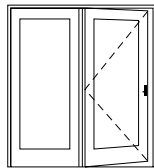
Left Hinged

Passive Panel

Right Hinged

Center Post Door

(shown as hinged off astragal)



S

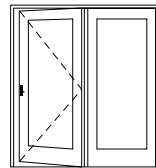
A

L

Stationary Panel

Active Panel

Left Hinged



A

S

R

Active Panel

Stationary Panel

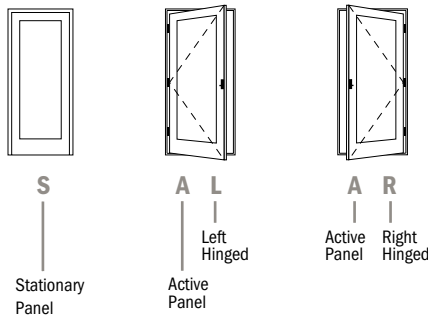
Right Hinged

Order Designation Description	
	As Viewed From Exterior
Single Door	S
	AL
	AR
Double Door	PALR
	APLR
	SS
Center Post Door – Hinged Off Jamb	SAR
	ASL
Center Post Door – Hinged Off Astragal	SAL
	ASR

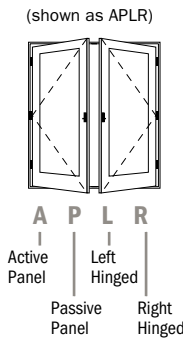
Hinged Patio Doors — Outswing

Handing Options

Single Door



Double Door



Order Designation Description	
	As Viewed From Exterior
Single Door	S
	AR
	AL
Double Door	APLR
	PALR
	SS

HINGED PATIO DOORS

Single Hinged Inswing Patio Door & Sidelight Sizes

		2' 1"	2' 7"	2' 9"	3' 1"	3' 3"
		2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"
R.O. F.S.	6' 8 1/2"					
	6' 8"	AFDI 2068 S,AL,AR	AFDI 2668 S,AL,AR	AFDI 2868 S,AL,AR	AFDI 3068 S,AL,AR	AFDI 3268 S,AL,AR
	6' 10 1/2"					
	6' 10"	AFDI 20610 S,AL,AR	AFDI 26610 S,AL,AR	AFDI 28610 S,AL,AR	AFDI 30610 S,AL,AR	AFDI 32610 S,AL,AR
	7' 0 1/2"					
	7' 0"	AFDI 2070 S,AL,AR	AFDI 2670 S,AL,AR	AFDI 2870 S,AL,AR	AFDI 3070 S,AL,AR	AFDI 3270 S,AL,AR
	7' 3 1/2"					
	7' 3"	AFDI 2073 S,AL,AR	AFDI 2673 S,AL,AR	AFDI 2873 S,AL,AR	AFDI 3073 S,AL,AR	AFDI 3273 S,AL,AR
	8' 0 1/2"					
	8' 0"	AFDI 2080 S,AL,AR	AFDI 2680 S,AL,AR	AFDI 2880 S,AL,AR	AFDI 3080 S,AL,AR	AFDI 3280 S,AL,AR
	8' 3 1/2"					
	8' 3"	AFDI 2083 S,AL,AR	AFDI 2683 S,AL,AR	AFDI 2883 S,AL,AR	AFDI 3083 S,AL,AR	AFDI 3283 S,AL,AR

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grille-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

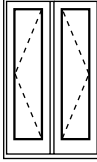
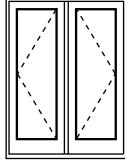
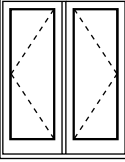
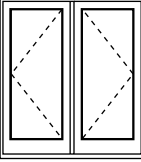
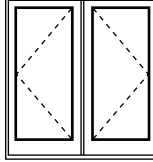
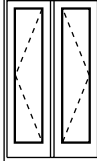
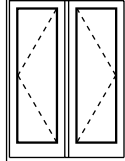
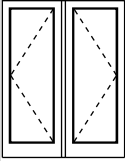
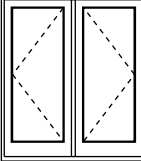
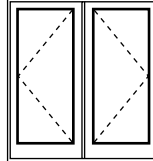
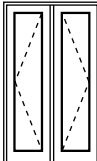
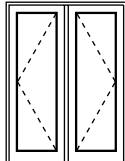
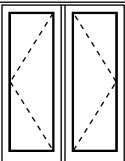
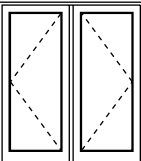
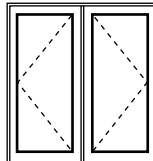
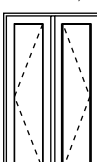
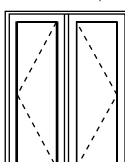
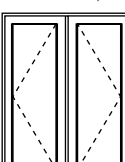
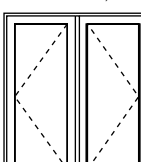
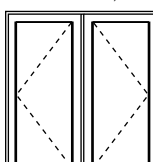
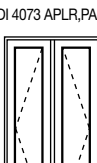
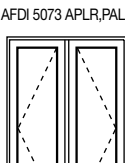
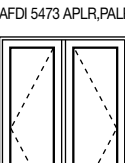
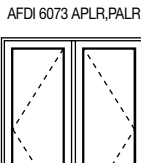
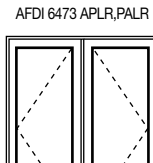
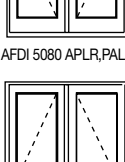
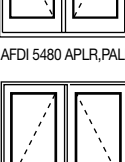
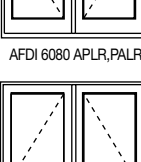
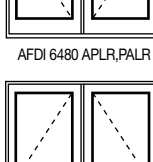
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Double Hinged Inswing Patio Door Sizes

		4' 0 1/2"	5' 0 1/2"	5' 4 1/2"	6' 0 1/2"	6' 4 1/2"
		4' 0"	5' 0"	5' 4"	6' 0"	6' 4"
6' 8 1/2"	R.O.					
	F.S.	AFDI 4068 APLR,PALR	AFDI 5068 APLR,PALR	AFDI 5468 APLR,PALR	AFDI 6068 APLR,PALR	AFDI 6468 APLR,PALR
6' 10 1/2"	R.O.					
	F.S.	AFDI 40610 APLR,PALR	AFDI 50610 APLR,PALR	AFDI 54610 APLR,PALR	AFDI 60610 APLR,PALR	AFDI 64610 APLR,PALR
7' 0 1/2"	R.O.					
	F.S.	AFDI 4070 APLR,PALR	AFDI 5070 APLR,PALR	AFDI 5470 APLR,PALR	AFDI 6070 APLR,PALR	AFDI 6470 APLR,PALR
7' 3 1/2"	R.O.					
	F.S.	AFDI 4073 APLR,PALR	AFDI 5073 APLR,PALR	AFDI 5473 APLR,PALR	AFDI 6073 APLR,PALR	AFDI 6473 APLR,PALR
8' 0 1/2"	R.O.					
	F.S.	AFDI 4080 APLR,PALR	AFDI 5080 APLR,PALR	AFDI 5480 APLR,PALR	AFDI 6080 APLR,PALR	AFDI 6480 APLR,PALR
8' 3 1/2"	R.O.					
	F.S.	AFDI 4083 APLR,PALR	AFDI 5083 APLR,PALR	AFDI 5483 APLR,PALR	AFDI 6083 APLR,PALR	AFDI 6483 APLR,PALR

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

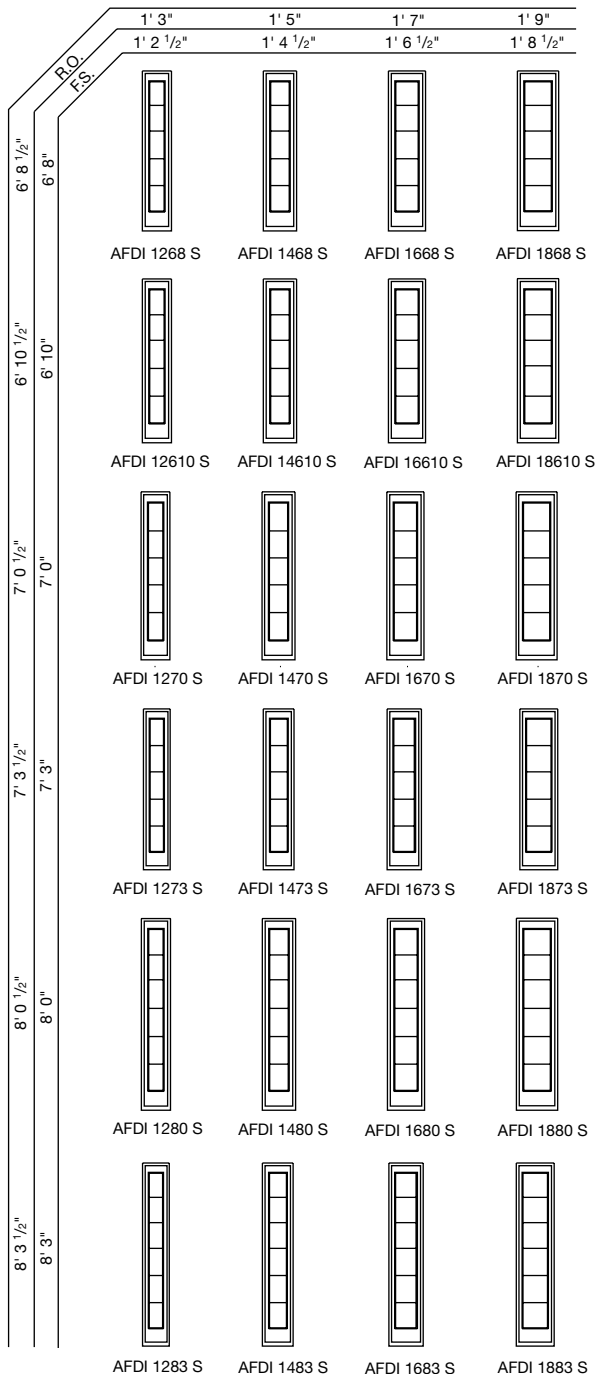
Any unit within each combination can be operating or stationary except for direct-set units and transoms.

ALSO AVAILABLE AS:

Stationary Doors SS
Center Post Doors SAR, ASL, SAL, ASR

HINGED PATIO DOORS

Inswing Sash-Set Sidelight Sizes



NOTES

All doors and sidelights use safety/tempered glass.

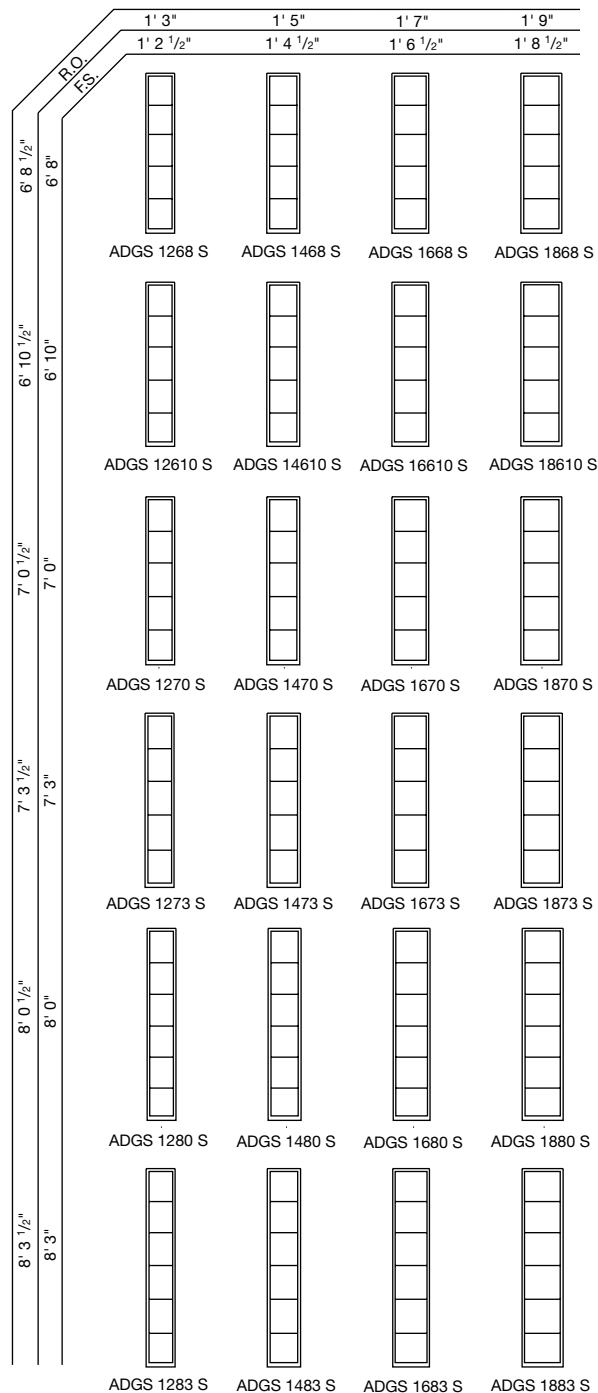
The minimum vertical joining material width for doors and sidelights is 1/2". When joining a venting sidelight to a door, the minimum vertical joining material width is 2".

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Direct-Set Sidelight Sizes



Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Door Sash-Set Transom Sizes

R.O. F.S.	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 ¹ / ₂ "	5' 0 ¹ / ₂ "	5' 4 ¹ / ₂ "	6' 0 ¹ / ₂ "	6' 4 ¹ / ₂ "
	2' 0 ¹ / ₂ "	2' 6 ¹ / ₂ "	2' 8 ¹ / ₂ "	3' 0 ¹ / ₂ "	3' 2 ¹ / ₂ "	4' 0"	5' 0"	5' 4"	6' 0"	6' 4"
1' 2"										
1' 4"										
1' 6"										
1' 8"										
2' 0"										
2' 4"										
2' 6"										
2' 8"										
3' 0"										

Hinged Inswing Patio Door Sash-Set Transom Sizes

R.O. F.S.	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 ¹ / ₂ "	1' 4 ¹ / ₂ "	1' 6 ¹ / ₂ "	1' 8 ¹ / ₂ "
1' 2"				
1' 4"				
1' 6"				
1' 8"				
2' 0"				

R.O. F.S.	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 ¹ / ₂ "	1' 4 ¹ / ₂ "	1' 6 ¹ / ₂ "	1' 8 ¹ / ₂ "
2' 4"				
2' 6"				
2' 8"				
3' 0"				

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

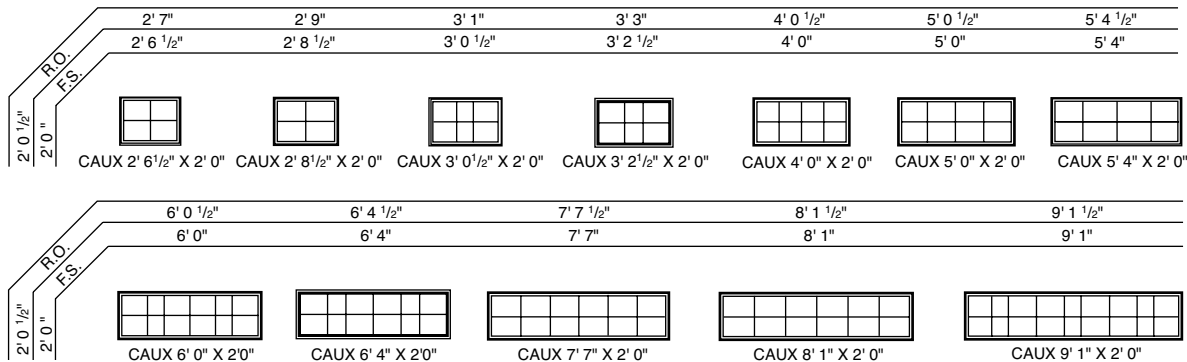
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

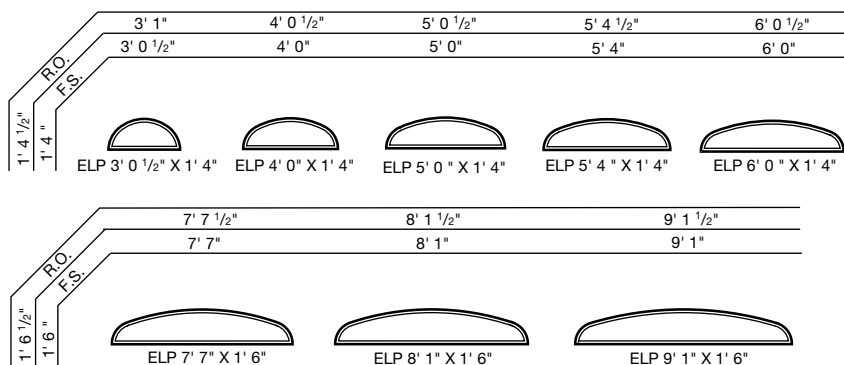
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

HINGED PATIO DOORS

Hinged Inswing Patio Door Direct-Set Transom Sizes (Specialty Frame)



Hinged Inswing Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

- 2' 6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Inswing Patio Doors.
- 2' 8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Inswing Patio Doors.
- 3' 0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Inswing Patio Doors.
- 4' 0" wide transoms are used above 4068, 40610 or 4080 Hinged Inswing Patio Doors.
- 5' 0" wide transoms are used above 5068, 50610 or 5080 Hinged Inswing Patio Doors.
- 5' 4" wide transoms are used above 5468, 54610 or 5480 Hinged Inswing Patio Doors.
- 6' 0" wide transoms are used above 6068, 60610 or 6080 Hinged Inswing Patio Doors.
- 7' 7" wide transoms are used above 5068/50610/5080 Hinged Inswing Patio Doors with 2668/26610/2680 Sidelights.
- 8' 1" wide transoms are used above 5468/54610/5480 Hinged Inswing Patio Doors with 2868/28610/2880 Sidelights.
- 9' 1" wide transoms are used above 6068/60610/6080 Hinged Inswing Patio Doors with 3068/30610/3080 Sidelights.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

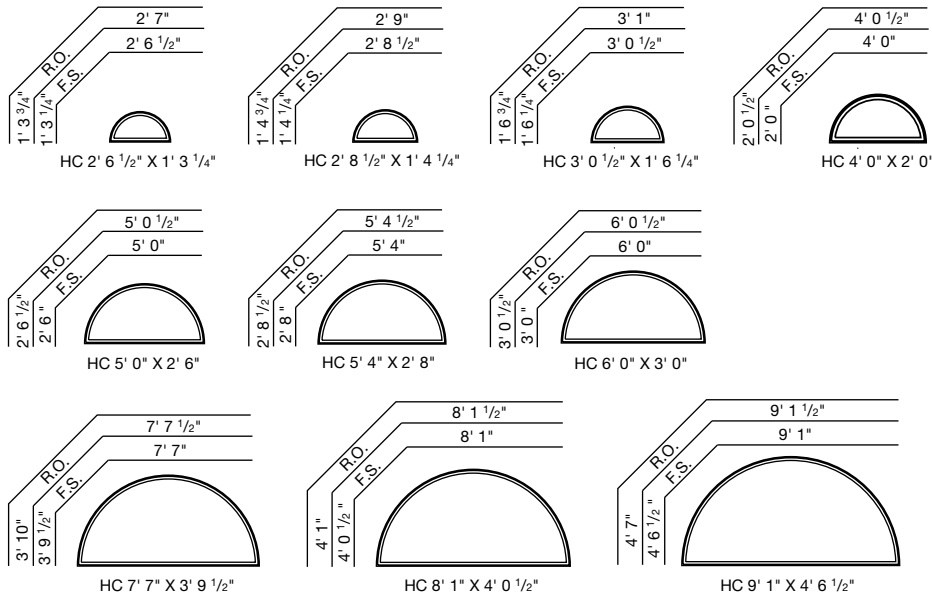
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



Hinged Inswing Patio Door Direct-Set Transom Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 1/2"	5' 0 1/2"	5' 4 1/2"	6' 0 1/2"	6' 4 1/2"
	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"	4' 0"	5' 0"	5' 4"	6' 0"	6' 4"
ADGU2012	ADGU2612	ADGU2812	ADGU3012	ADGU3212	ADGU4012	ADGU5012	ADGU5412	ADGU6012	ADGU6412	
ADGU2014	ADGU2614	ADGU2814	ADGU3014	ADGU3214	ADGU4014	ADGU5014	ADGU5414	ADGU6014	ADGU6414	
ADGU2016	ADGU2616	ADGU2816	ADGU3016	ADGU3216	ADGU4016	ADGU5016	ADGU5416	ADGU6016	ADGU6416	
ADGU2018	ADGU2618	ADGU2818	ADGU3018	ADGU3218	ADGU4018	ADGU5018	ADGU5418	ADGU6018	ADGU6418	
ADGU2020	ADGU2620	ADGU2820	ADGU3020	ADGU3220	ADGU4020	ADGU5020	ADGU5420	ADGU6020	ADGU6420	

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

- 2'6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Inswing Patio Doors.
- 2'8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Inswing Patio Doors.
- 3'0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Inswing Patio Doors.
- 4'0" wide transoms are used above 4068, 40610 or 4080 Hinged Inswing Patio Doors.
- 5'0" wide transoms are used above 5068, 50610 or 5080 Hinged Inswing Patio Doors.
- 5'4" wide transoms are used above 5468, 54610 or 5480 Hinged Inswing Patio Doors.
- 6'0" wide transoms are used above 6068, 60610 or 6080 Hinged Inswing Patio Doors.
- 7'7" wide transoms are used above 5068/50610/5080 Hinged Inswing Patio Doors with 2668/26610/2680 Sidelights.
- 8'1" wide transoms are used above 5468/54610/5480 Hinged Inswing Patio Doors with 2868/28610/2880 Sidelights.
- 9'1" wide transoms are used above 6068/60610/6080 Hinged Inswing Patio Doors with 3068/30610/3080 Sidelights.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

HINGED PATIO DOORS

Hinged Inswing Patio Door Direct-Set Transom Sizes

RO. FS.	2' 1"		2' 7"		2' 9"		3' 1"		3' 3"		4' 0 1/2"		5' 0 1/2"		5' 4 1/2"		6' 0 1/2"		6' 4 1/2"	
	2' 0 1/2"		2' 6 1/2"		2' 8 1/2"		3' 0 1/2"		3' 2 1/2"		4' 0"		5' 0"		5' 4"		6' 0"		6' 4"	
2' 4 1/2"	ADGU2024		ADGU2624		ADGU2824		ADGU3024		ADGU3224		ADGU4024		ADGU5024		ADGU5424		ADGU6024		ADGU6424	
2' 6"	ADGU2026		ADGU2626		ADGU2826		ADGU3026		ADGU3226		ADGU4026		ADGU5026		ADGU5426		ADGU6026		ADGU6426	
2' 8 1/2"	ADGU2028		ADGU2628		ADGU2828		ADGU3028		ADGU3228		ADGU4028		ADGU5028		ADGU5428		ADGU6028		ADGU6428	
3' 0 1/2"	ADGU2030		ADGU2630		ADGU2830		ADGU3030		ADGU3230		ADGU4030		ADGU5030		ADGU5430		ADGU6030		ADGU6430	

Hinged Inswing Patio Door Direct-Set Transom Sizes

RO. FS.	1' 3"		1' 5"		1' 7"		1' 9"	
	1' 2 1/2"		1' 4 1/2"		1' 6 1/2"		1' 8 1/2"	
1' 2"	ADGU1212		ADGU1412		ADGU1612		ADGU1812	
1' 4"	ADGU1214		ADGU1414		ADGU1614		ADGU1814	
1' 6"	ADGU1216		ADGU1416		ADGU1616		ADGU1816	
1' 8 1/2"	ADGU1218		ADGU1418		ADGU1618		ADGU1818	
2' 0"	ADGU1220		ADGU1420		ADGU1620		ADGU1820	
2' 4"	ADGU1224		ADGU1424		ADGU1624		ADGU1824	
2' 6"	ADGU1226		ADGU1426		ADGU1626		ADGU1826	
2' 8 1/2"	ADGU1228		ADGU1428		ADGU1628		ADGU1828	
3' 0"	ADGU1230		ADGU1430		ADGU1630		ADGU1830	

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

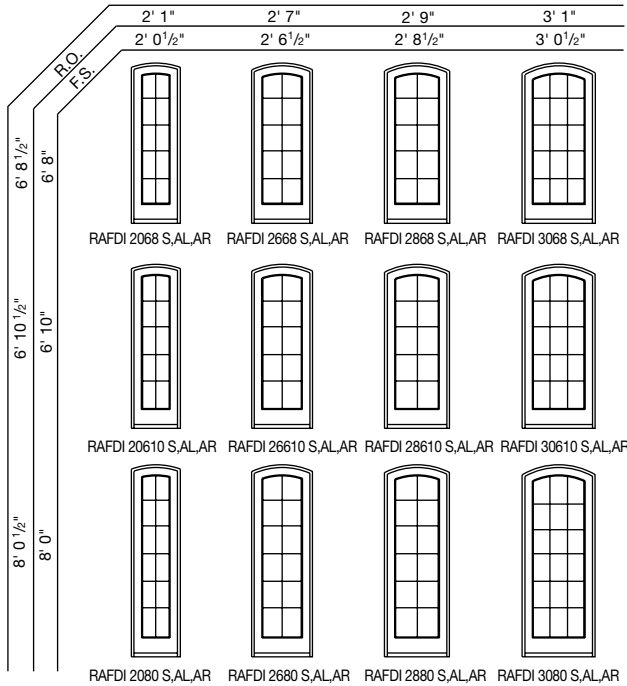
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Single Arch Inswing Patio Door & Sidelight Sizes



NOTES

All doors and sidelights use safety/tempered glass.

Single doors have a 3' 0" radius.

Double doors have a 5' 0" radius.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height (using Low Threshold Sill)

= Standard Inswing Frame Height – 15/16"

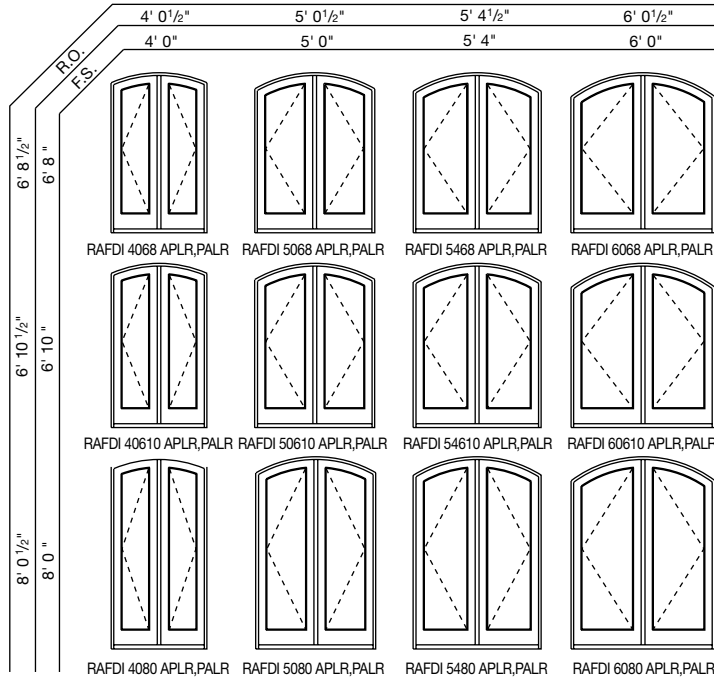
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

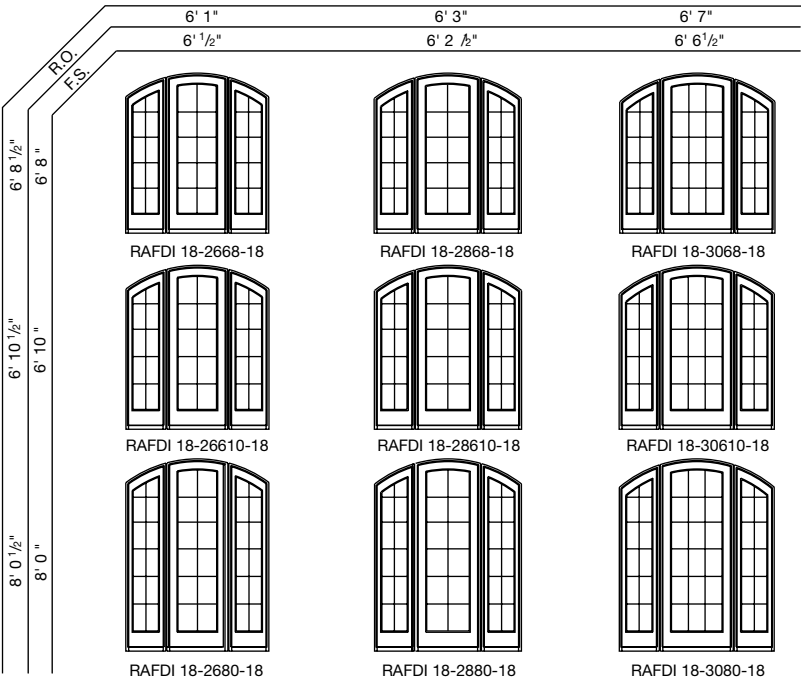
Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Double Arch Inswing Patio Door Sizes



HINGED PATIO DOORS

3-Wide Arch Inswing Patio Door & Sidelight Sizes



NOTES
All doors and sidelights use safety/tempered glass.
3-wide doors have a 5' 0" radius.
See handing chart on page 132 for operation options.
Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

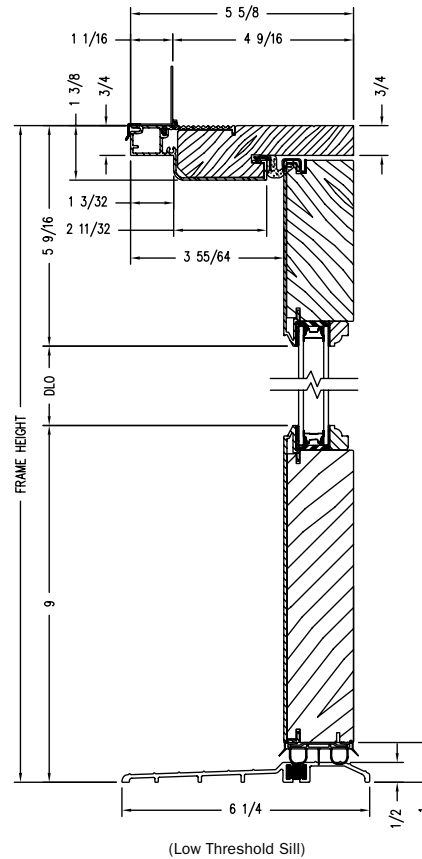
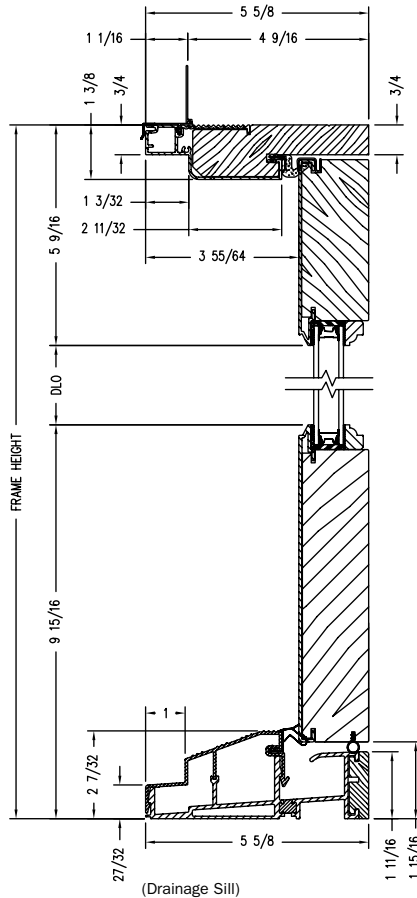
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Inswing Frame Height Formula
(using Low Threshold Sill)
= Standard Inswing Frame Height – 15/16"

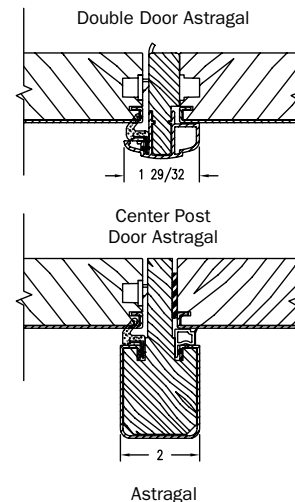
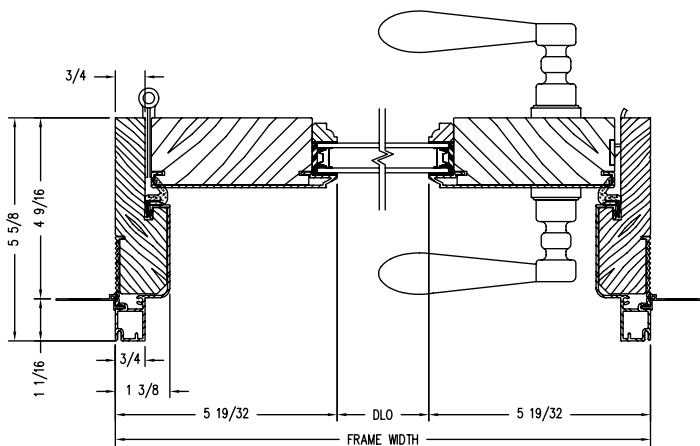
FORMULA FOR COMBINATION DOORS
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.
Any unit within each combination can be operating or stationary except for arch sidelights.

Hinged Inswing Patio Doors (4 9/16" Jamb Depth)

Hinged Inswing Patio Door



Vertical Section

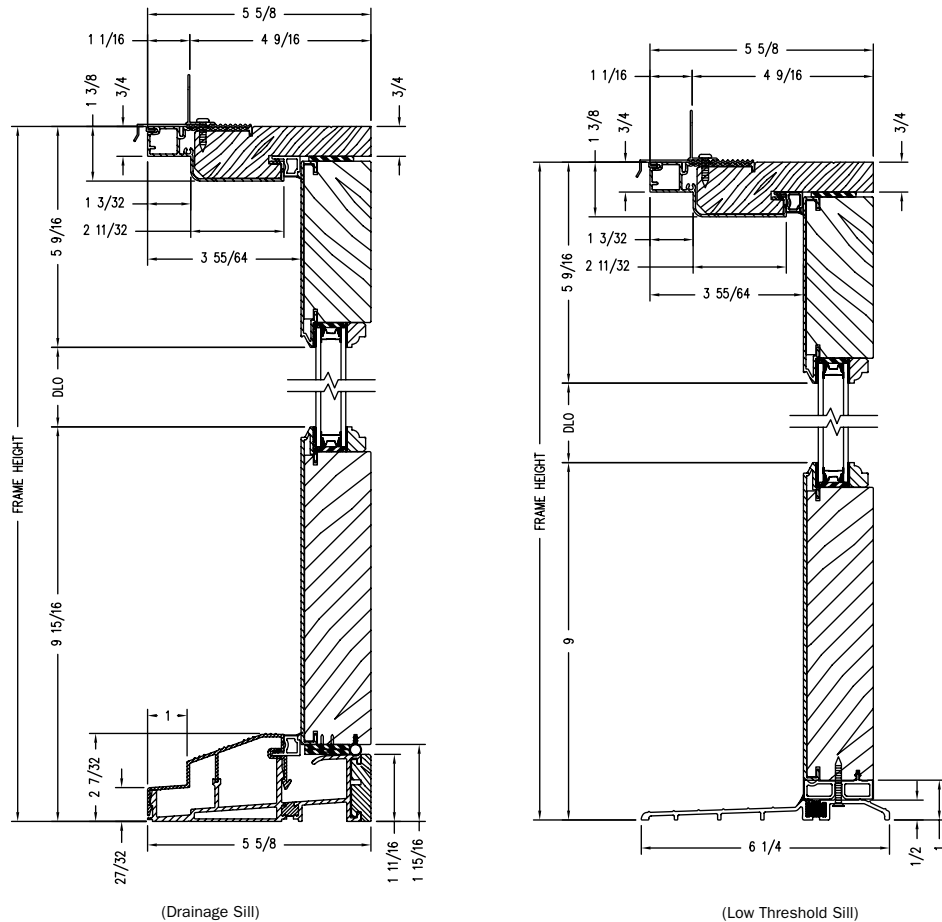


Shown with ovolo (colonial) glass stops.
French panel shown, also available with a contemporary panel.

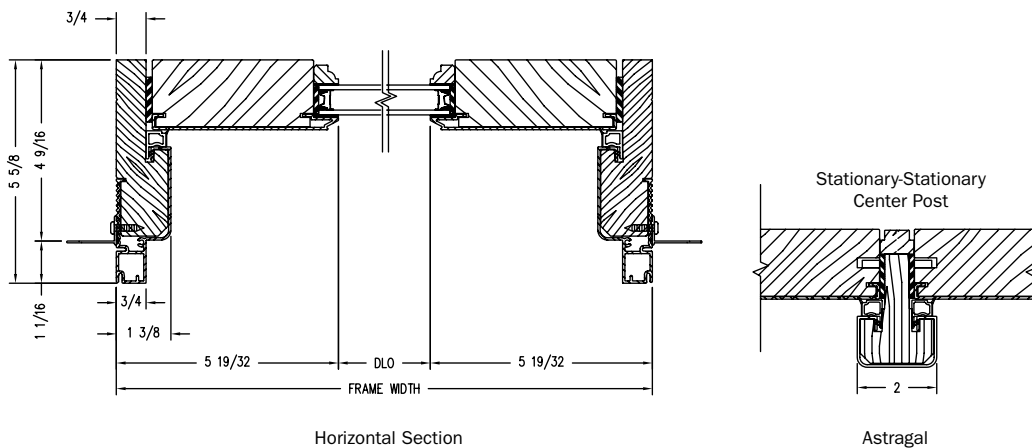
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Hinged Inswing Patio Doors (4 9/16" Jamb Depth)

Inswing Sash-Set Sidelight



Vertical Section



Horizontal Section

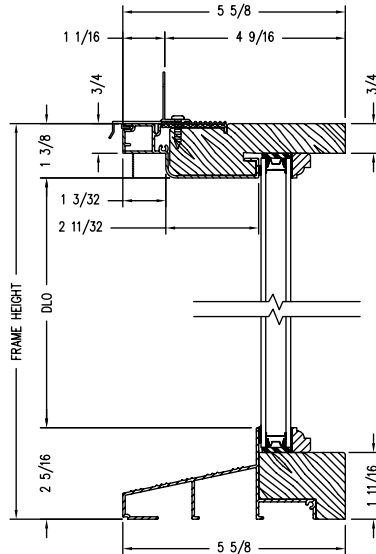
Astragal

Shown with ovolo (colonial) glass stops.

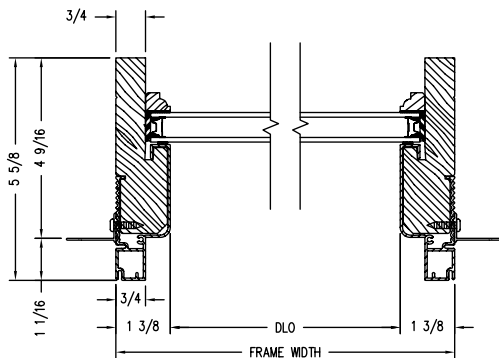
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Inswing Patio Doors (4 9/16" Jamb Depth)

Inswing Direct-Set Sidelight

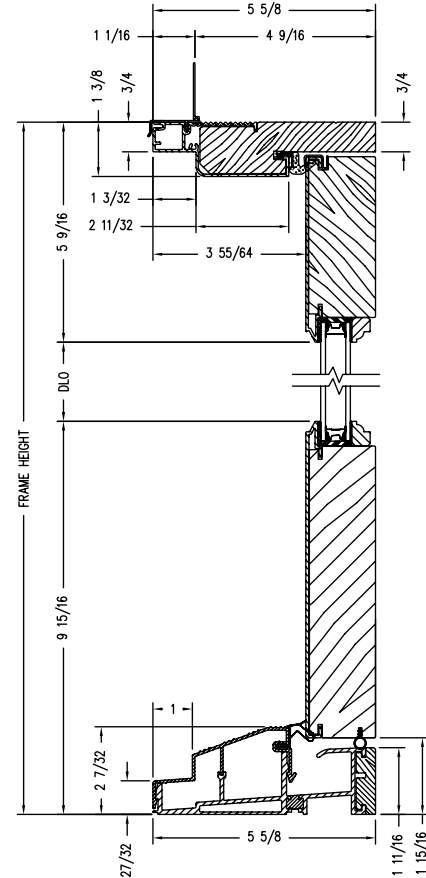


Vertical Section

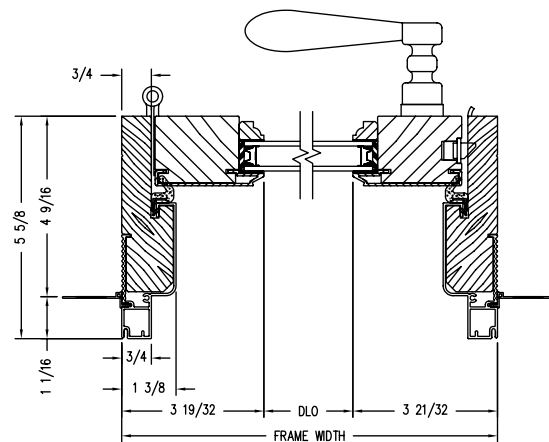


Horizontal Section

Inswing Venting Sidelight



Vertical Section



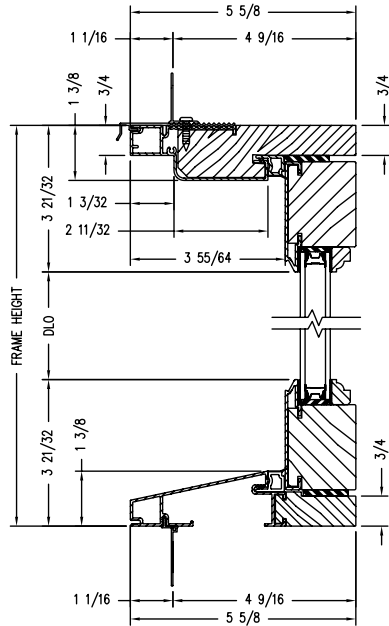
Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

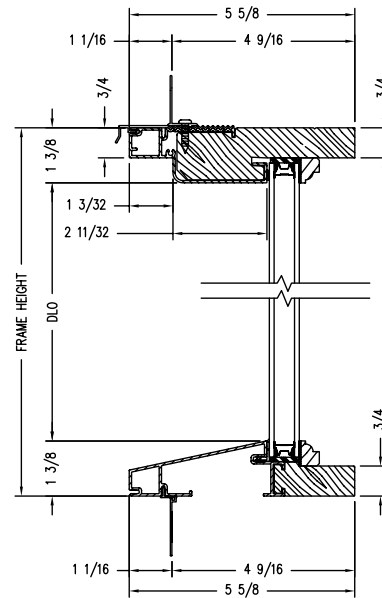
Hinged Inswing Patio Doors (4 9/16" Jamb Depth)

Inswing Sash-Set Transom

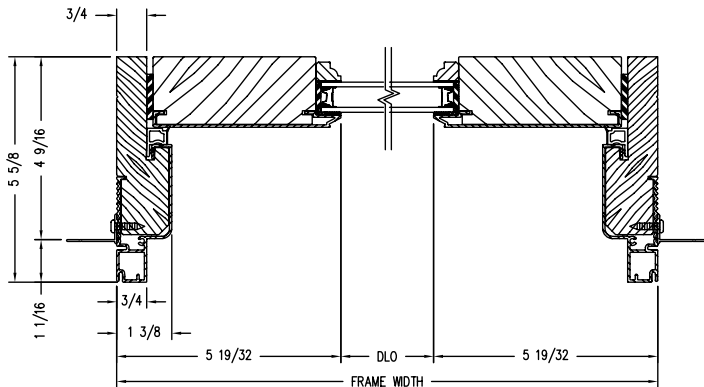


Vertical Section

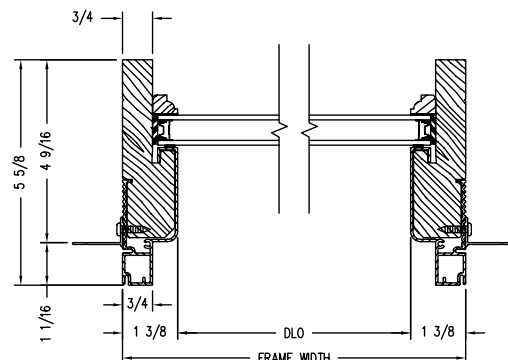
Inswing Direct-Set Transom



Vertical Section



Horizontal Section



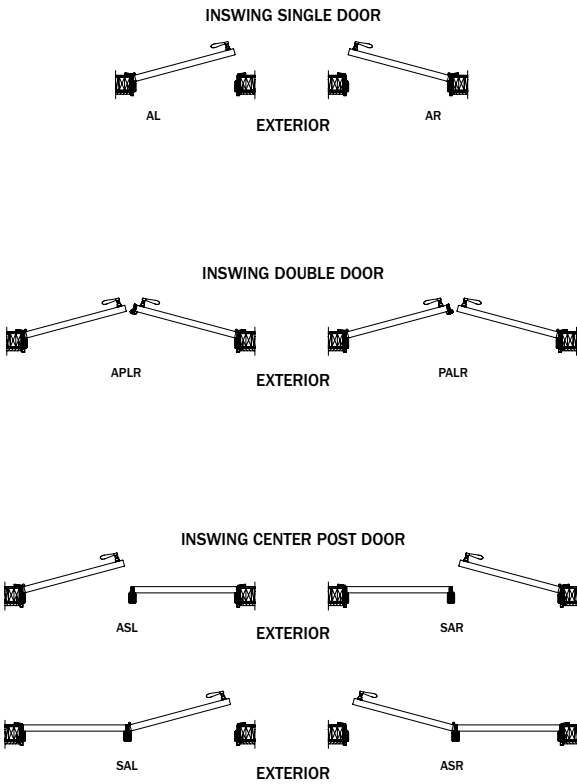
Horizontal Section

Shown with ovolo (colonial) glass stops.

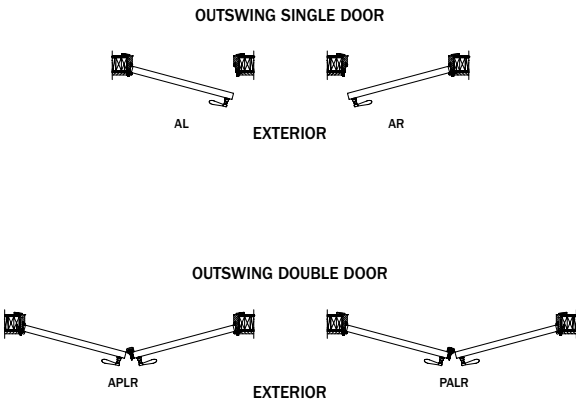
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

HINGED PATIO DOORS

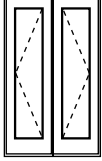
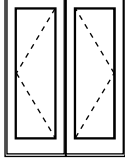
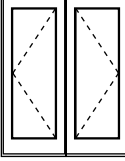
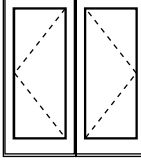
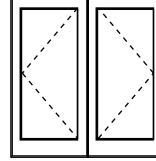
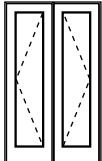
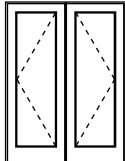
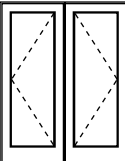
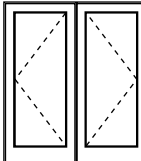
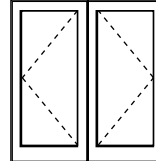
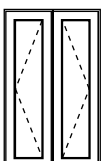
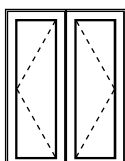
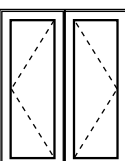
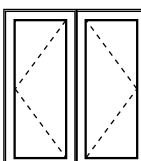
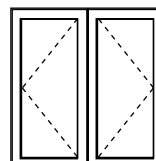
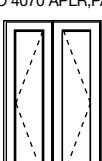
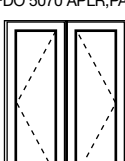
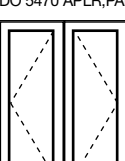
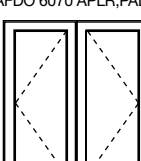
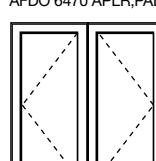
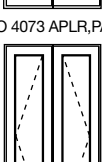
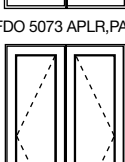
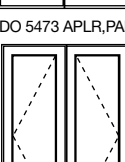
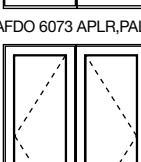
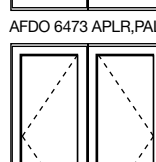
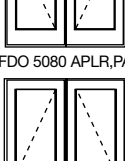
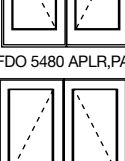
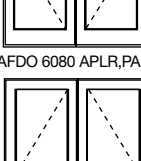
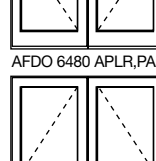
Hinged Inswing Patio Door Handing (As Viewed From Exterior)



Hinged Outswing Patio Door Handing (As Viewed From Exterior)



Double Hinged Outswing Patio Door Sizes

	4' 0 9/16"	5' 0 9/16"	5' 4 9/16"	6' 0 9/16"	6' 4 9/16"
	4' 0 1/16"	5' 0 1/16"	5' 4 1/16"	6' 0 1/16"	6' 4 1/16"
6' 7 13/16"					
	AFDO 4068 APLR, PALR	AFDO 5068 APLR, PALR	AFDO 5468 APLR, PALR	AFDO 6068 APLR, PALR	AFDO 6468 APLR, PALR
6' 9 13/16"					
	AFDO 40610 APLR, PALR	AFDO 50610 APLR, PALR	AFDO 54610 APLR, PALR	AFDO 60610 APLR, PALR	AFDO 64610 APLR, PALR
6' 11 13/16"					
	AFDO 4070 APLR, PALR	AFDO 5070 APLR, PALR	AFDO 5470 APLR, PALR	AFDO 6070 APLR, PALR	AFDO 6470 APLR, PALR
7' 2 13/16"					
	AFDO 4073 APLR, PALR	AFDO 5073 APLR, PALR	AFDO 5473 APLR, PALR	AFDO 6073 APLR, PALR	AFDO 6473 APLR, PALR*
7' 11 13/16"					
	AFDO 4080 APLR, PALR	AFDO 5080 APLR, PALR	AFDO 5480 APLR, PALR	AFDO 6080 APLR, PALR	AFDO 6480 APLR, PALR
8' 2 13/16"					
	AFDO 4083 APLR, PALR	AFDO 5083 APLR, PALR	AFDO 5483 APLR, PALR	AFDO 6083 APLR, PALR	AFDO 6483 APLR, PALR*

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".

*Commercial sized door panels.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

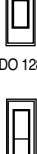
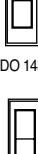
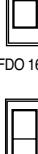
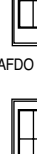
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Outswing Frame Height Formula
(using Low Threshold Sill)
= Standard Outswing Frame Height – 7/16"

HINGED PATIO DOORS

Outswing Sash-Set Sidelight Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 1/2"	1' 4 1/2"	1' 6 1/2"	1' 8 1/2"
6' 7 13/16"				
	AFDO 1268 S	AFDO 1468 S	AFDO 1668 S	AFDO 1868 S
6' 9 13/16"				
	AFDO 12610 S	AFDO 14610 S	AFDO 16610 S	AFDO 18610 S
6' 11 13/16"				
	AFDO 1270 S	AFDO 1470 S	AFDO 1670 S	AFDO 1870 S
7' 2 13/16"				
	AFDO 1273 S	AFDO 1473 S	AFDO 1673 S	AFDO 1873 S
7' 11 13/16"				
	AFDO 1280 S	AFDO 1480 S	AFDO 1680 S	AFDO 1880 S
8' 2 13/16"				
	AFDO 1283 S	AFDO 1483 S	AFDO 1683 S	AFDO 1883 S

NOTES

All doors and sidelights use safety/tempered glass.

The minimum vertical joining material width for doors and sidelights is 1/2".
When joining a venting sidelight to a door, the minimum vertical joining material width is 2".

*Commercial sized door panels.

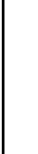
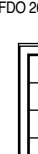
See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Single Hinged Outswing Patio Door & Sidelight Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"
	2' 0 1/2"	2' 6 1/2"	2' 8 1/2"	3' 0 1/2"	3' 2 1/2"
6' 7 13/16"					
	AFDO 2068 S,AL,AR	AFDO 2668 S,AL,AR	AFDO 2868 S,AL,AR	AFDO 3068 S,AL,AR	AFDO 3268 S,AL,AR
6' 9 13/16"					
	AFDO 20610 S,AL,AR	AFDO 26610 S,AL,AR	AFDO 28610 S,AL,AR	AFDO 30610 S,AL,AR	AFDO 32610 S,AL,AR
6' 11 13/16"					
	AFDO 2070 S,AL,AR	AFDO 2670 S,AL,AR	AFDO 2870 S,AL,AR	AFDO 3070 S,AL,AR	AFDO 3270 S,AL,AR
7' 2 13/16"					
	AFDO 2073 S,AL,AR	AFDO 2673 S,AL,AR	AFDO 2873 S,AL,AR	AFDO 3073 S,AL,AR	AFDO 3273 S,AL,AR*
7' 11 13/16"					
	AFDO 2080 S,AL,AR	AFDO 2680 S,AL,AR	AFDO 2880 S,AL,AR	AFDO 3080 S,AL,AR	AFDO 3280 S,AL,AR
8' 2 13/16"					
	AFDO 2083 S,AL,AR	AFDO 2683 S,AL,AR	AFDO 2883 S,AL,AR	AFDO 3083 S,AL,AR	AFDO 3283 S,AL,AR*

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height - 7/16"

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Hinged Outswing Patio Door Sash-Set Transom Sizes

	2' 1"	2' 7"	2' 9"	3' 1"	3' 3"	4' 0 ⁹ / ₁₆ "	5' 0 ⁹ / ₁₆ "	5' 4 ⁹ / ₁₆ "	6' 0 ⁹ / ₁₆ "	6' 4 ⁹ / ₁₆ "
	2' 0 ¹ / ₂ "	2' 6 ¹ / ₂ "	2' 8 ¹ / ₂ "	3' 0 ¹ / ₂ "	3' 2 ¹ / ₂ "	4' 0 ¹ / ₁₆ "	5' 0 ¹ / ₁₆ "	5' 4 ¹ / ₁₆ "	6' 0 ¹ / ₁₆ "	6' 4 ¹ / ₁₆ "
2' 1"										
2' 7"										
2' 9"										
3' 1"										
3' 3"										
4' 0 ⁹ / ₁₆ "										
5' 0 ⁹ / ₁₆ "										
5' 4 ⁹ / ₁₆ "										
6' 0 ⁹ / ₁₆ "										
6' 4 ⁹ / ₁₆ "										

Hinged Outswing Patio Door Sash-Set Transom Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 ¹ / ₂ "	1' 4 ¹ / ₂ "	1' 6 ¹ / ₂ "	1' 8 ¹ / ₂ "
1' 3"				
1' 5"				
1' 7"				
1' 9"				
1' 11"				

Hinged Outswing Patio Door Sash-Set Transom Sizes

	1' 3"	1' 5"	1' 7"	1' 9"
	1' 2 ¹ / ₂ "	1' 4 ¹ / ₂ "	1' 6 ¹ / ₂ "	1' 8 ¹ / ₂ "
1' 3"				
1' 5"				
1' 7"				
1' 9"				

NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

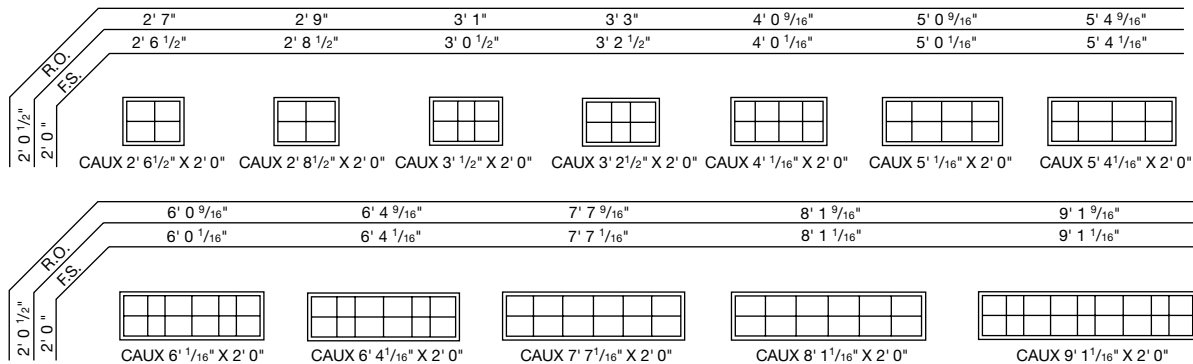
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Any unit within each combination can be operating or stationary except for direct-set units and transoms.

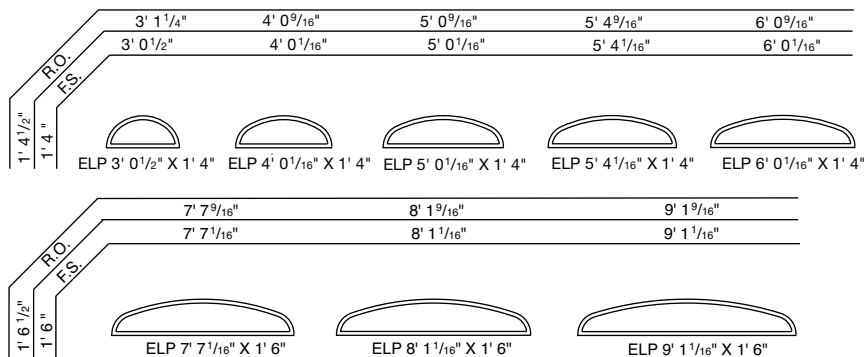
FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

HINGED PATIO DOORS

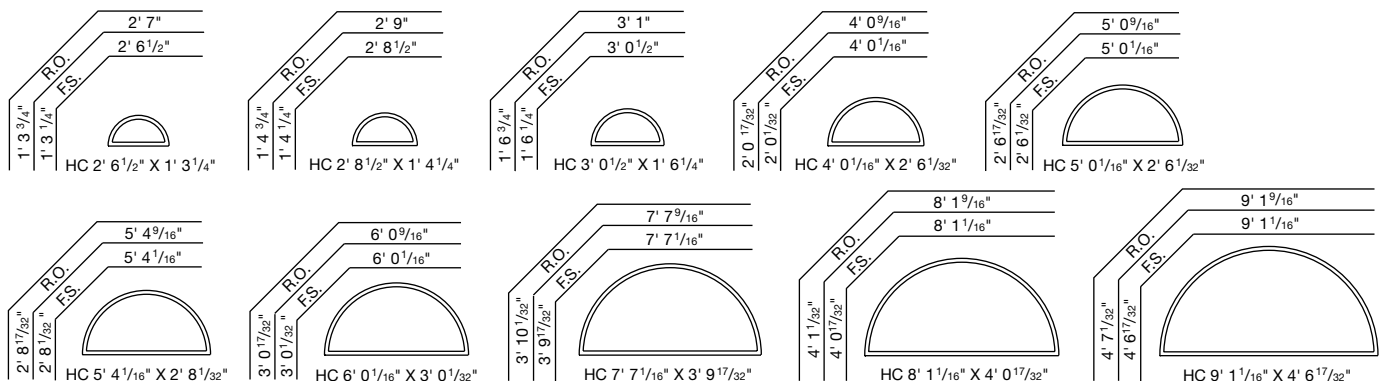
Hinged Outswing Patio Door Direct-Set Transom Sizes (Specialty Frame)



Hinged Outswing Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



Hinged Outswing Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



NOTES

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

2' 6-1/2" wide transoms are used above 2668, 26610 or 2680 Hinged Outswing Patio Doors.

2' 8-1/2" wide transoms are used above 2868, 28610 or 2880 Hinged Outswing Patio Doors.

3' 0-1/2" wide transoms are used above 3068, 30610 or 3080 Hinged Outswing Patio Doors.

4' 0" wide transoms are used above 4068, 40610 or 4080 Hinged Outswing Patio Doors.

5' 0" wide transoms are used above 5068, 50610 or 5080 Hinged Outswing Patio Doors.

5' 4" wide transoms are used above 5468, 54610 or 5480 Hinged Outswing Patio Doors.

6' 0" wide transoms are used above 6068, 60610 or 6080 Hinged Outswing Patio Doors.

7' 7" wide transoms are used above 5068/50610/5080 Hinged Outswing Patio Doors with 2668/26610/2680 Sidelights.

8' 1" wide transoms are used above 5468/54610/5480 Hinged Outswing Patio Doors with 2868/28610/2880 Sidelights.

9' 1" wide transoms are used above 6068/60610/6080 Hinged Outswing Patio Doors with 3068/30610/3080 Sidelights.

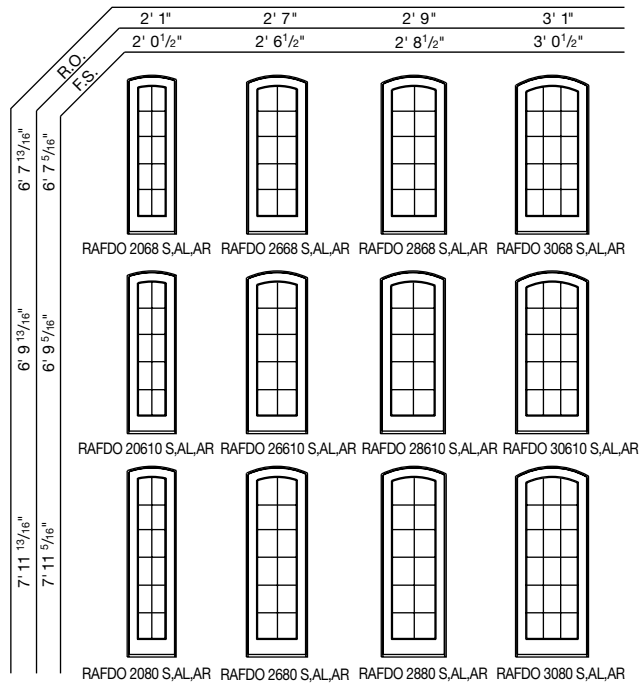
The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in double doors. Other light patterns are available upon request.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:

A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.

ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Single Arch Outswing Patio Door & Sidelight Sizes



NOTES

All doors and sidelights use safety/tempered glass.

Single doors have a 3' 0" radius.

Double doors have a 5' 0" radius.

See handing chart on page 132 for operation options.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Outswing Frame Height Formula (using Low Threshold Sill)

= Standard Outswing Frame Height – 7/16"

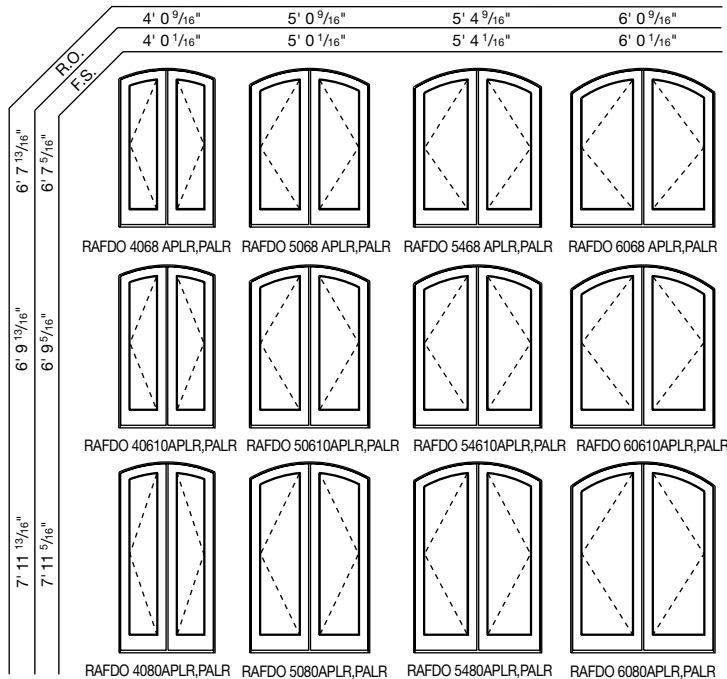
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

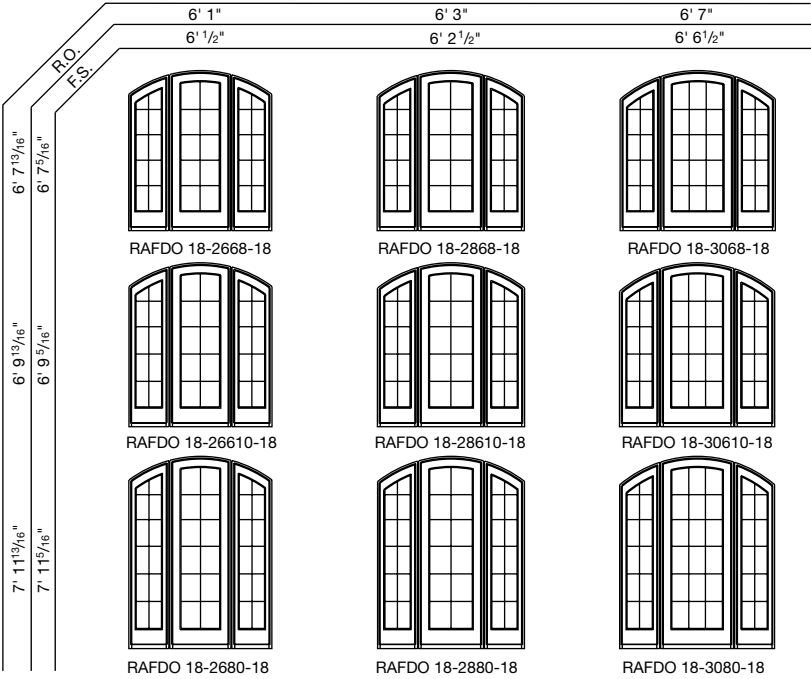
Any unit within each combination can be operating or stationary except for direct-set units and transoms.

Double Arch Outswing Patio Door Sizes



HINGED PATIO DOORS

3-Wide Arch Outswing Patio Door & Sidelight Sizes



NOTES
All doors and sidelights use safety/tempered glass.
3-wide doors have a 5'0" radius.
CPS doors shown with optional mid-rail.
See handing chart on page 132 for operation options.
Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

Outswing Frame Height Formula*
(using Low Threshold Sill)

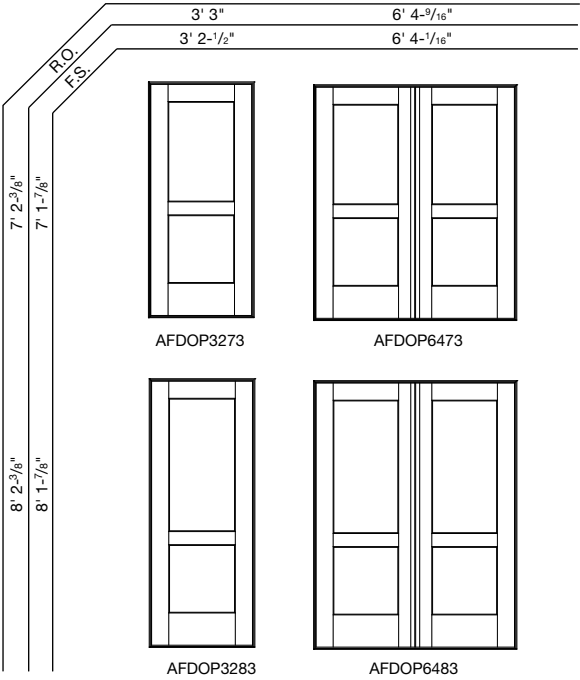
= Standard Outswing Frame Height – 7/16"

*Does not apply to Concealed Panic System (CPS) doors

FORMULA FOR COMBINATION DOORS
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).
The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

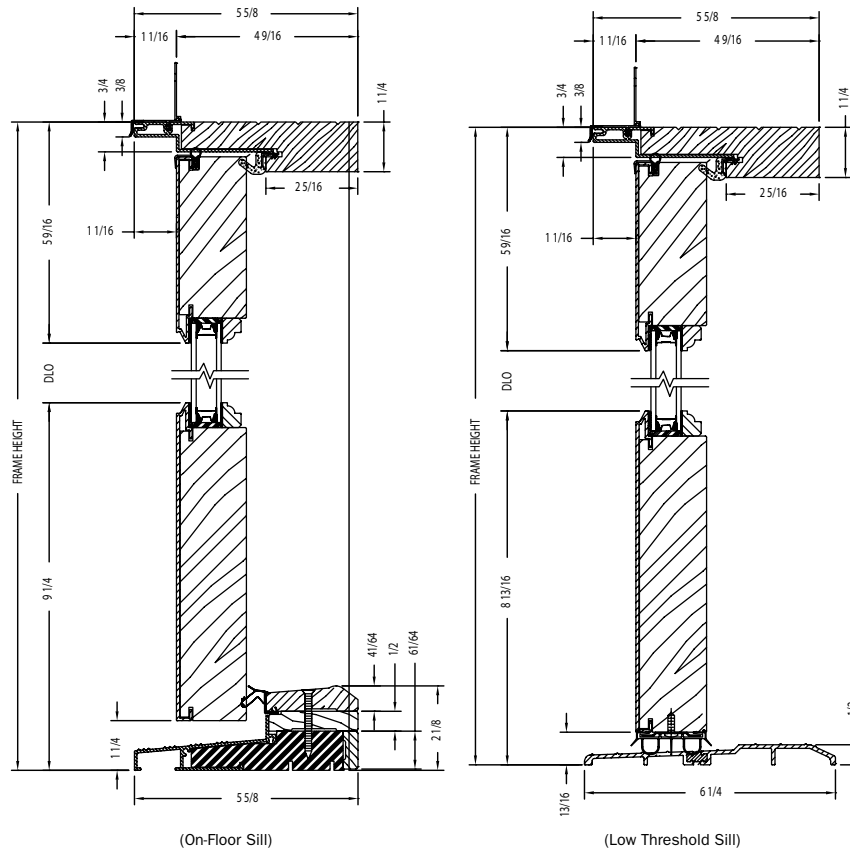
Any unit within each combination can be operating or stationary except for arch sidelights.

Concealed Panic System (CPS) Door Sizes



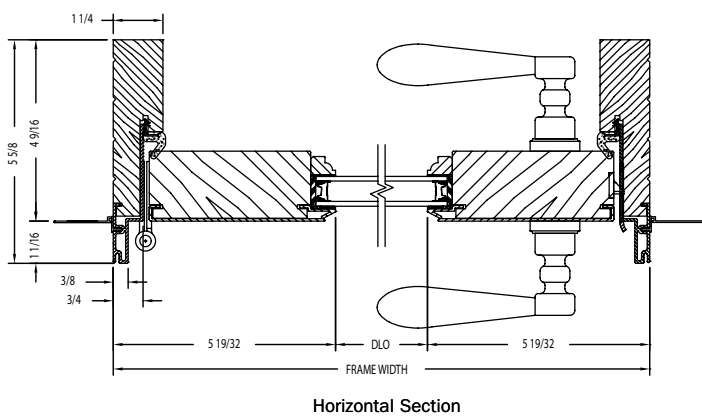
Hinged Outswing Patio Doors

Hinged Outswing Patio Door

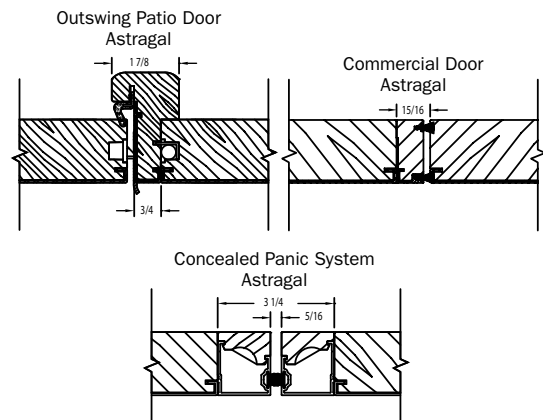


Vertical Section

Astragal



Horizontal Section

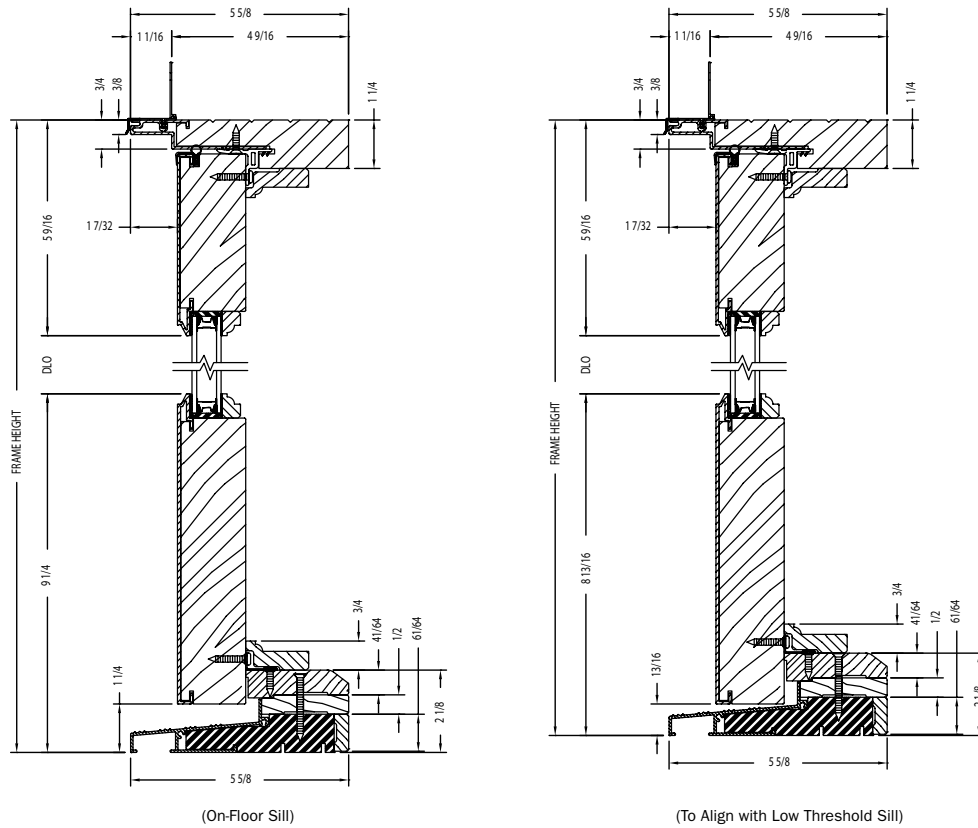


Shown with ovolo (colonial) glass stops.
French panel shown, also available with a contemporary panel.

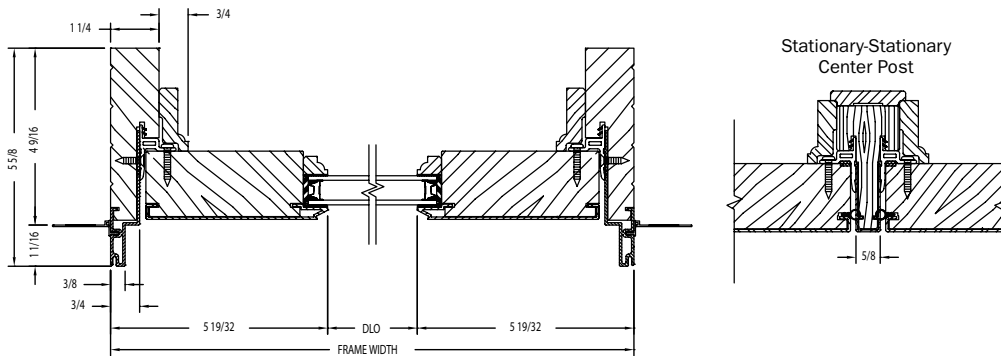
PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Hinged Outswing Patio Doors

Outswing Sash-Set Sidelight



Vertical Section



Horizontal Section

Shown with ovolo (colonial) glass stops.

PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM. CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

GLIDING PATIO DOORS

Choose from our French panels with 8" or 12" bottom rail options, or one of two narrower panel profiles for a more contemporary look, to create an open view to the outside. E-Series gliding patio doors feature multi-point locking hardware for a firm, secure seal and tandem ball bearing rollers for smooth operation.

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Panel Labeling & Handling	146
Gliding Sizing	
Stationary & Two-Panel Doors	147
Four-Panel Doors	147
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Custom sizing is available.





GLIDING PATIO DOORS

FEATURES

GLIDING PATIO DOORS

FRAME & PANEL

A Select wood components are kiln dried and treated with water/insect repellent and preservative. Interior wood surfaces are available in pine, mixed grain Douglas fir, cherry, hickory, mahogany*, maple, oak, walnut, alder or vertical grain Douglas fir. Interior surfaces are available unfinished or factory primed. Optional factory-applied finishes are available in a variety of stains and paints.

B Wood components are fitted with aluminum extrusions on the exterior. 50 exterior colors that meet AAMA 2604 and 2605 specifications are available, as well as custom colors. Also available is a selection of seven exterior anodized options.

The frame consists of foam-filled leaf weatherstrip on the exterior creating a weather-resistant pocket for the door panel. A dual weatherstrip seal on the interlock is fitted between the fixed and operating meeting stiles.



French Gliding Patio Door

Vinyl installation flanges are pre-applied into a kerf on the frame exterior to facilitate installation. Optional aluminum flanges and metal installation clips are available. Standard jamb depth is 4 1/16" for gliding patio doors.

SILL

C A durable fiberglass sill is an excellent thermal barrier. Stainless steel roller caps provide smooth operation of the door panel. Available in dark bronze or gray.

Gliding Patio Door

GLASS

D High-Performance Low-E4® glass with a low-conductivity spacer. Triple-pane glass, tinted, clear dual-pane, high-altitude glass and other special glazing options are available.

GLASS SPACERS available in black, white and stainless steel.

E Glass is fixed in place from the interior with wood stops that can be removed for easy reglazing if necessary. Glass stops available in ovolo (colonial) and contemporary profiles.

HARDWARE

Steel Rollers

Operating panel consists of two tandem ball bearing steel roller assemblies. Stainless steel roller assemblies are available as an option.



Multi-Point Locking System

The multi-point locking system features a unique reachout design that pulls the door panel tightly closed for a weather-tight seal and enhanced security.



ACCESSORIES Sold Separately

HARDWARE

Auxiliary Foot Lock

An enhanced foot lock is discreetly positioned on the side of the panel. Foot lock provides an extra measure of security when door is in locked position. Available in finish options to complement handle sets.



Optional Hardware

Additional hardware options such as exterior keyed locks and more are also available.

VeriLock Sensors DISCONTINUED

VeriLock® sensors and open/closed sensors are available for gliding patio doors. See page 27 for Smart Home options.

INSECT SCREENS

Top-Hung Gliding Insect Screens

Charcoal fiberglass screen mesh fits into an aluminum frame available in 50 exterior colors. Aluminum screen mesh is also available.

Retractable Insect Screens

The retractable insect screen has charcoal fiberglass screen mesh. Insect screen retracts when not needed, providing an unobstructed view through the glass. Available in 50 exterior colors.

PRIVACY OPTIONS

Blinds-Between-the-Glass



A 5/8" aluminum slat blind mounted between two panes of insulated glass in a dust-free environment. Available in white, tan and almond. Blinds are magnetically controlled and can be tilted or raised and lowered with one cord.** Not available on arch patio doors.

GRILLES

Full Divided Light

Permanent interior and exterior grilles with grille spacer bars between two panes of glass. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profiles. Ovolo profile shown below, not all widths are pictured.



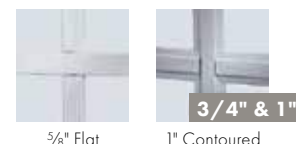
Simulated Divided Light

Permanent exterior and interior grilles without grille spacer bars. Available in 5/8", 7/8", 1 1/8", 1 1/2", or 2 1/4" widths and ovolo or contemporary profiles. Ovolo profile shown below, not all widths are pictured.



Finelight™ Grilles-Between-the-Glass

Available in 5/8" flat or 1" contoured aluminum profiles. Two-tone colors of pebble tan/colony white, sierra bronze/colony white or forest green/colony white are available on the 1" profile.



Removable Interior Wood Grilles

Removable interior wood grilles are available in a 7/8" width and ovolo or contemporary profiles. Optional surround for removable grille and permanent exterior grilles also available. Ovolo profile shown below.



See page 22 for more information on grilles.

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

**Not all sizes of blinds-between-the-glass are retractable. See your Andersen supplier for details.

EXTERIOR & INTERIOR OPTIONS

EXTERIOR COLORS 50 exterior colors, 7 anodized finishes and custom colors. See exterior colors on page 11.

INTERIOR WOOD SPECIES



FACTORY-FINISHED INTERIORS



Interior custom stains, paints and color matching available.

Naturally occurring variations in grain, color and texture of wood make each window one of a kind.

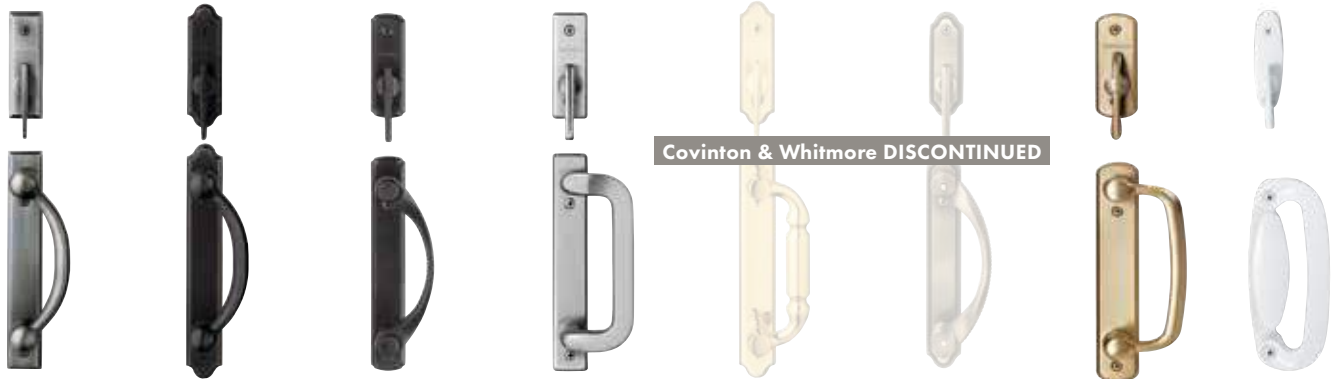
All factory-finished options are shown on pine.

Painted options available on pine. Dark bronze and black painted options available on pine or maple. Anodized silver painted option available on maple only.

INTERIOR PAINTED OPTIONS



HARDWARE OPTIONS



YUMA®	ENCINO®	NEWBURY®	ANVERS®	COVINGTON™	WHITMORE®	ALBANY	TRIBECA®
Distressed Bronze	Distressed Bronze	Antique Brass	Bright Brass	Antique Brass	Antique Brass	Black	Black
Distressed Nickel	Distressed Nickel	Bright Brass	Oil Rubbed Bronze	Bright Brass	Bright Brass	Gold Dust	Stone
		Brushed Chrome	Satin Nickel	Oil Rubbed Bronze	Oil Rubbed Bronze	Stone	White
		Oil Rubbed Bronze			Satin Nickel	White	
		Polished Chrome					
		Satin Nickel					

Bold name denotes finish shown.

HARDWARE FINISHES



Distressed bronze and oil rubbed bronze is a "living" finish that will change with time and use.

Brushed Chrome, Gold Dust and Polished Chrome DISCONTINUED

*Actual wood species is either Sapele or Sipo, both non-endangered species grown in Africa, with color and characteristics similar to Central American mahoganies.

Mix and match interior and exterior style and finish options are available.

Bright brass and satin nickel finishes feature a 10-year limited warranty.

Tribeca and Albany hardware are zinc diecast with powder-coated durable finish, other hardware is solid forged brass.

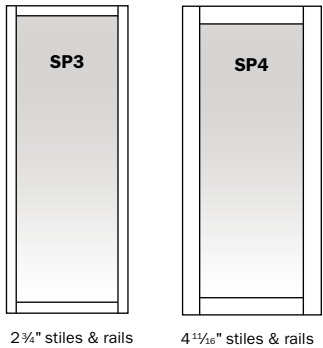
Printing limitations prevent exact replication of colors and finishes. See your Andersen supplier for actual color and finish samples.

Gliding Patio Door Panel Labeling

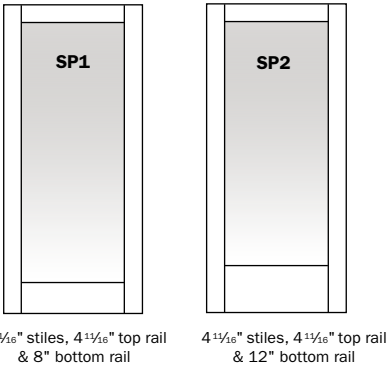
Door Panel Options

Andersen® E-Series offers both contemporary and French panel styles to complement traditional or modern architecture.

Gliding Patio Door Contemporary Panels



Gliding Patio Door French Panels



Gliding Patio Door Handing

The door handing and order designation noted below is consistent with the handing of other Andersen® gliding patio doors and is used throughout the remainder of the gliding patio doors section.

Identification

As viewed from the exterior, either the left or the right panel operates. The arrow designates the direction of panel operation. Stationary (S) doors can be used as an individual unit or as a sidelight.

Gliding Patio Doors & French Gliding Patio Doors

Handing Options

Single Door

S
Stationary Panel

2-Panel Door

LS
Left (L) panel is operating, right panel is stationary (S).

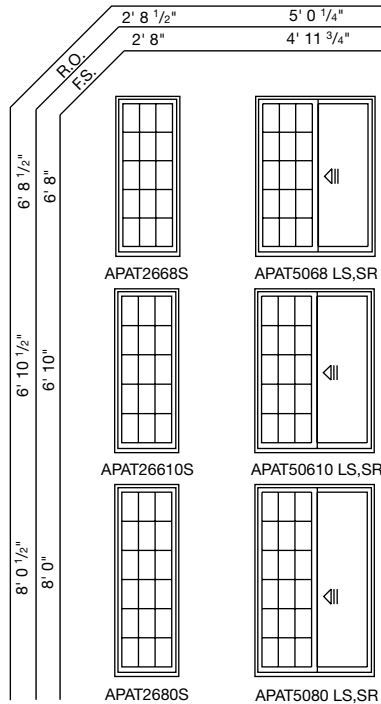
SR
Left panel is stationary (S), right (R) panel is operating.

4-Panel Door

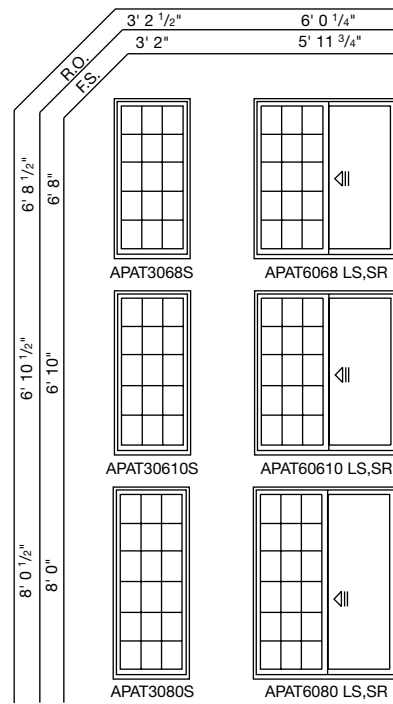
Astragal is attached on third panel from the left (as viewed from the exterior)

Order Designation Description	
	As Viewed From Exterior
Stationary	S
2-Panel Door	SR
	LS
4-Panel Door	—

Gliding Patio Door Sizes



Gliding Patio Door Sizes



NOTES

All doors and sidelights use safety/tempered glass.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel gliding patio door.

**4-panel doors are shipped knocked down and require field assembly because of size and weight.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

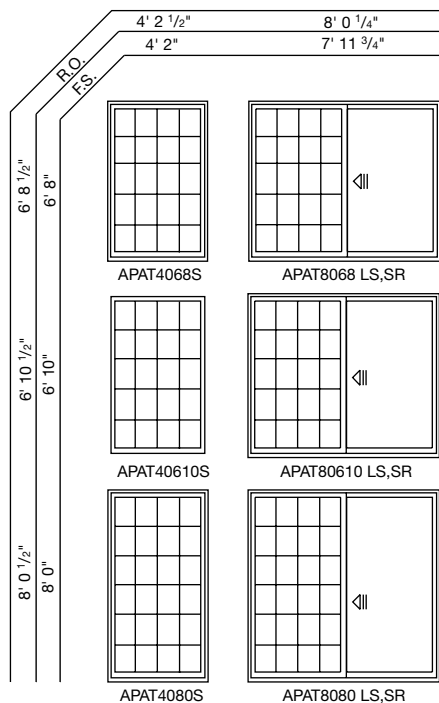
For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

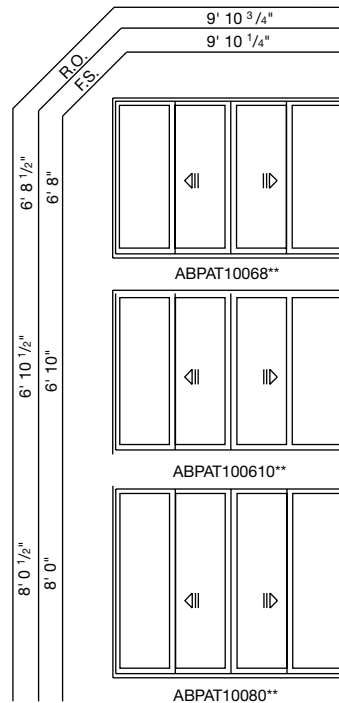
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

Gliding Patio Door Sizes

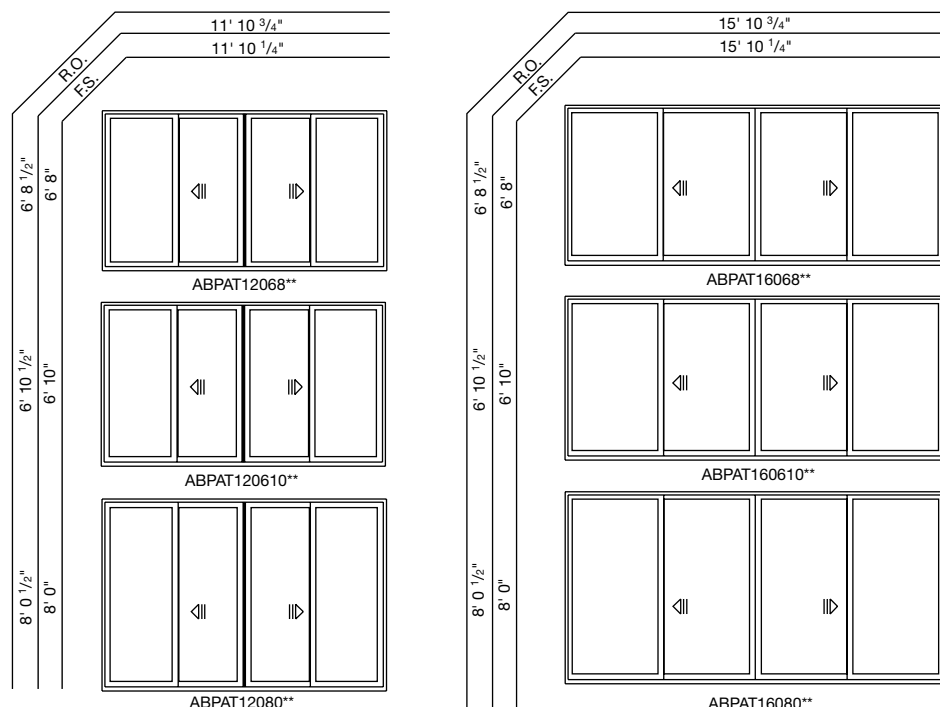


4-Panel Gliding Patio Door Sizes

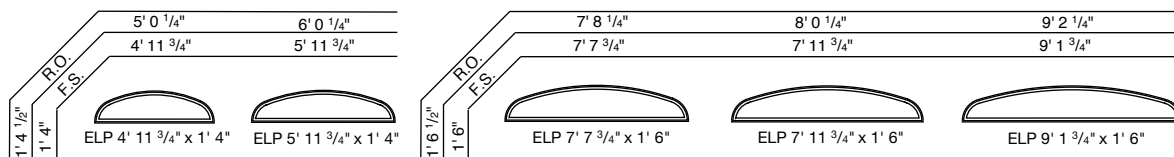


GLIDING PATIO DOORS

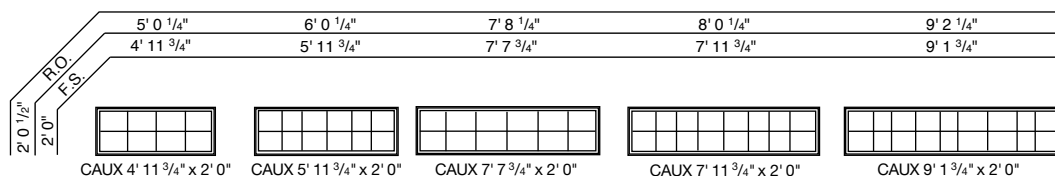
4-Panel Gliding Patio Door Sizes



Gliding Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



Gliding Patio Door Direct-Set Transom Sizes (Specialty Frame)



NOTES

All doors and sidelights use safety/tempered glass.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel gliding patio door.

**4-panel doors are shipped knocked down and require field assembly because of size and weight.

See transom notes on page 149.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns for the gliding door. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

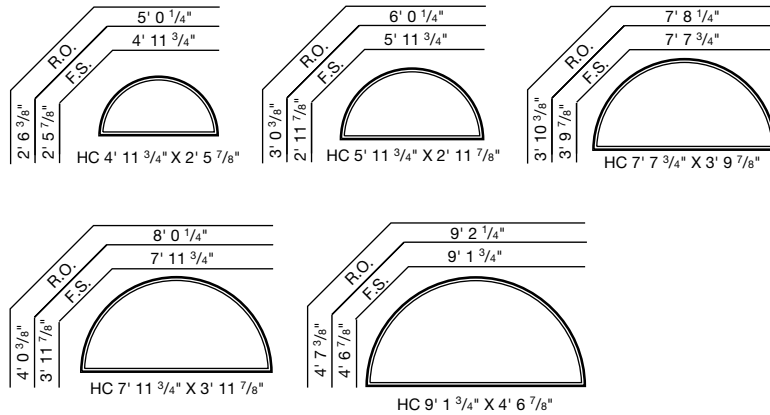
FORMULA FOR COMBINATION DOORS

The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

Gliding Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



NOTES

4' 11-3/4" wide units are used above 5068, 50610 or 5080 Gliding Patio Doors.

5' 11-3/4" wide units are used above 6068, 60610 or 6080 Gliding Patio Doors.

7' 7-3/4" wide units are used above 7668, 76610 or 7680 Gliding Patio Doors.

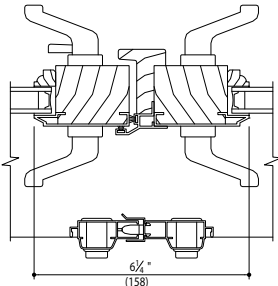
7' 11-3/4" wide units are used above 8068, 80610 or 8080 Gliding Patio Doors.

9' 1-3/4" wide units are used above 9068, 90610 or 9080 Gliding Patio Doors.

See notes on page 148 for more information.

Gliding Patio Doors

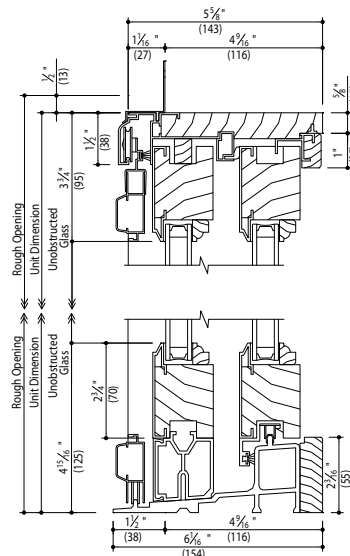
Astragal



Contemporary door panel shown with ovolo (colonial) glass stops.

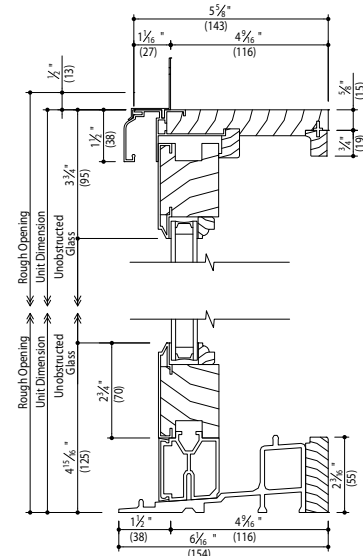
Dimensions in parentheses are in millimeters.

Gliding Patio Door

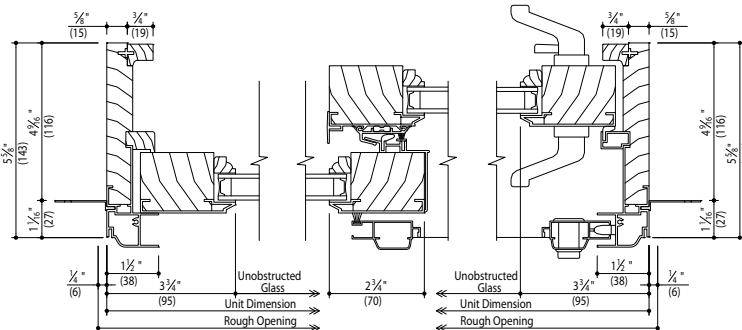


Vertical Section

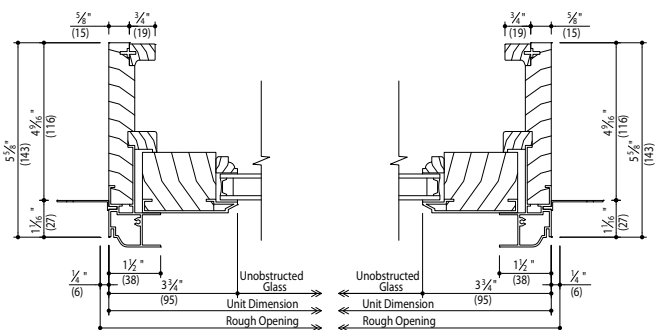
Gliding Patio Door Sidelight



Vertical Section



Horizontal Section

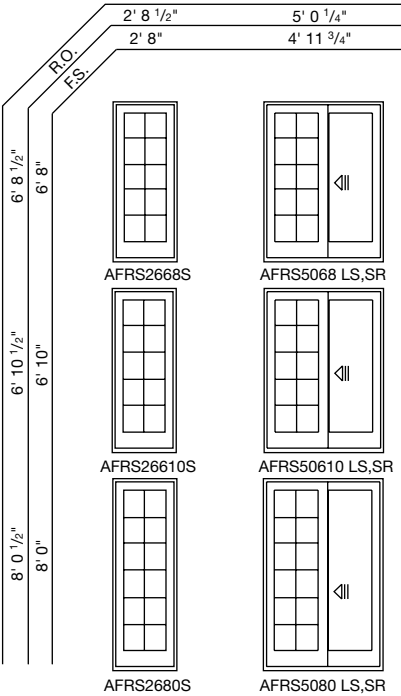


Horizontal Section

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
 A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
 ADDITIONAL PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION.
 WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM.
 CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

GLIDING PATIO DOORS

French Gliding Patio Door Sizes



NOTES
All doors and sidelights use safety/tempered glass.

Use structural joining material when necessary or required by code.

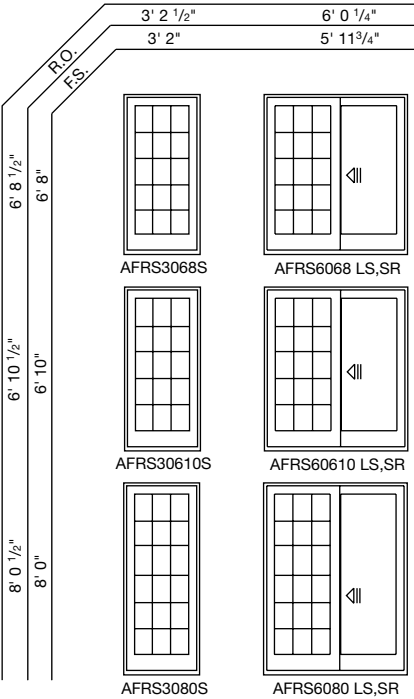
The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

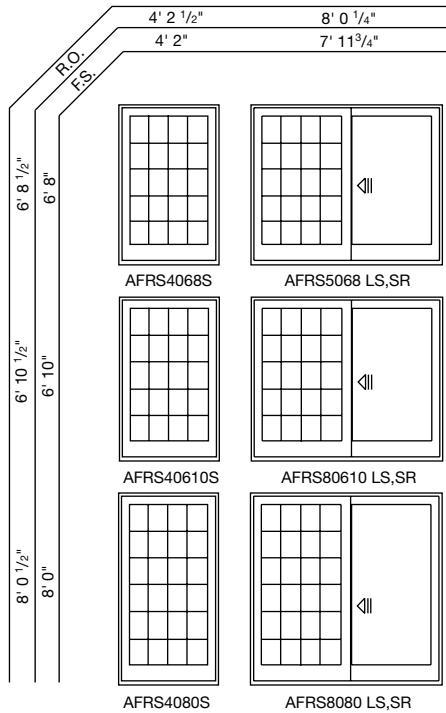
FORMULA FOR COMBINATION DOORS
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

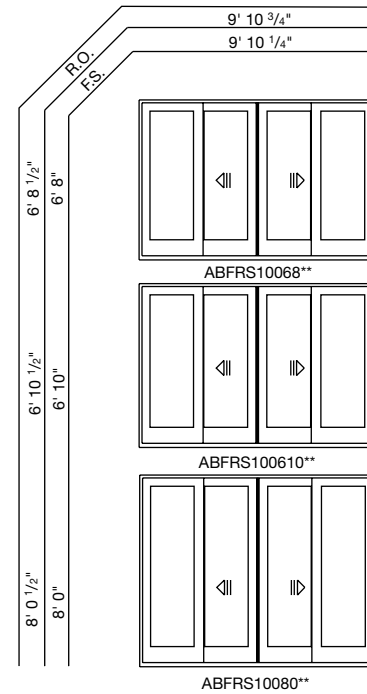
French Gliding Patio Door Sizes



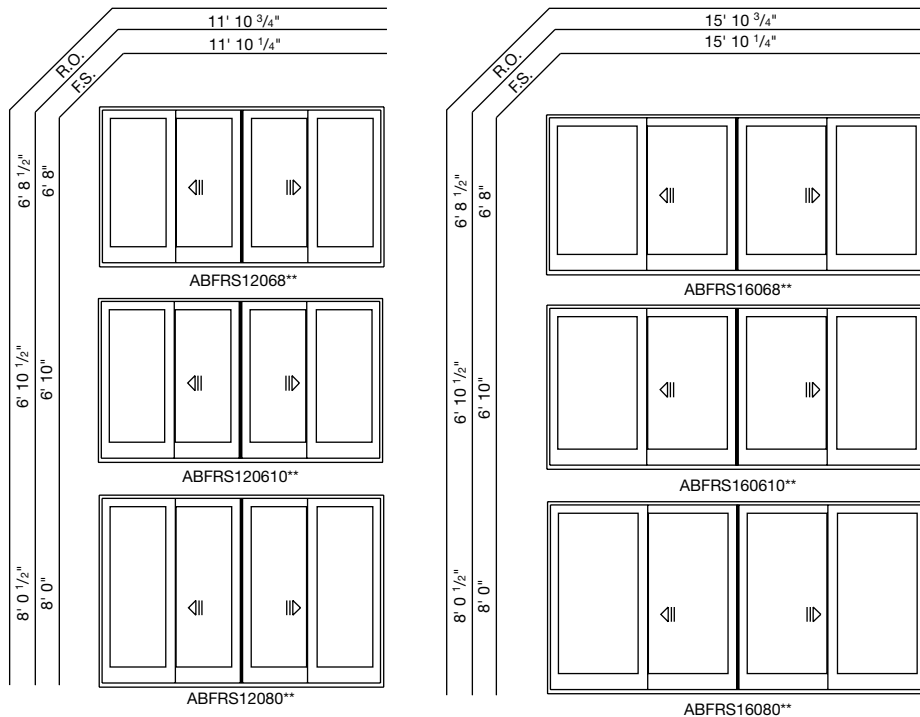
French Gliding Patio Door Sizes



4-Panel French Gliding Patio Door Sizes



4-Panel French Gliding Patio Door Sizes



NOTES

All doors and sidelights use safety/tempered glass.

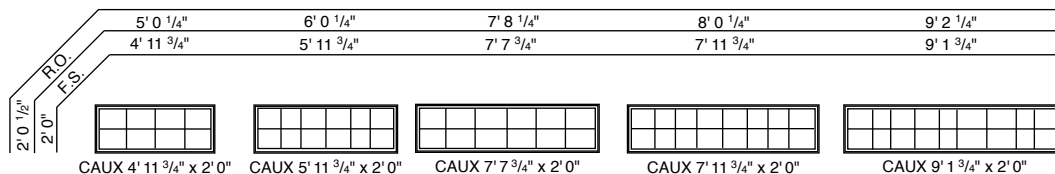
Astragal is applied to third panel from the left (as viewed from the exterior) on a 4-panel French gliding patio door.

** 4-panel doors are shipped knocked down and require field assembly because of size and weight.

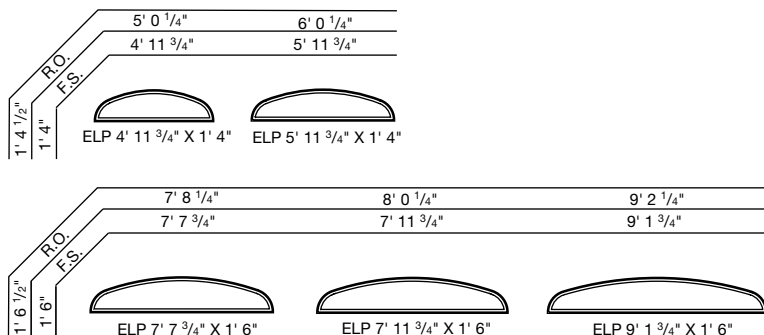
See notes on page 150 for more information.

GLIDING PATIO DOORS

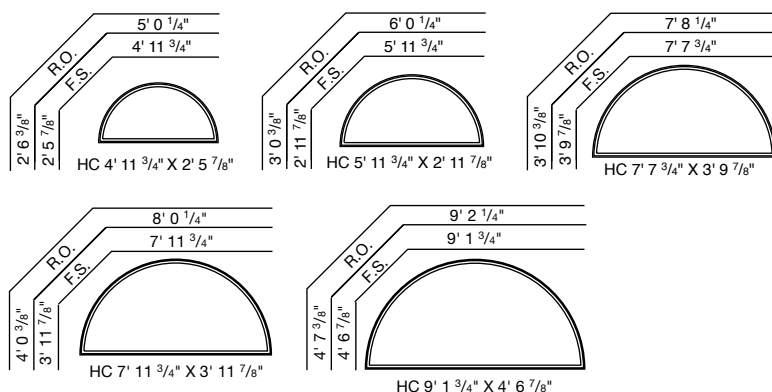
French Gliding Patio Door Direct-Set Transom Sizes (Specialty Frame)



French Gliding Patio Door Direct-Set Elliptical Sizes (Specialty Frame)



French Gliding Patio Door Direct-Set Half Circle Sizes (Specialty Frame)



NOTES

All doors and sidelights use safety/tempered glass.

If glass is positioned within 18" of the finished floor, safety/tempered glass may be required. Local codes may differ. Verify tempered glass requirements with your local building code official.

4' 11-3/4" wide units are used above 5068, 50610 or 5080 French Gliding Patio Doors.

5' 11-3/4" wide units are used above 6068, 60610 or 6080 French Gliding Patio Doors.

7' 7-3/4" wide units are used above 7668, 76610 or 7680 French Gliding Patio Doors.

7' 11-3/4" wide units are used above 8068, 80610 or 8080 French Gliding Patio Doors.

9' 1-3/4" wide units are used above 9068, 90610 or 9080 French Gliding Patio Doors.

Use structural joining material when necessary or required by code.

The light patterns illustrated apply to removable interior wood grilles, Full Divided Light, Simulated Divided Light, Decorelle 100, 150 and 400 and Finelight™ Grilles-Between-the-Glass. All removable interior wood grilles will be installed in the units unless otherwise specified. The staggered light patterns illustrated align with light patterns in the gliding door. Other light patterns are available upon request.

For a metric conversion in millimeters, multiply dimensions in inches by 25.4.

FORMULA FOR COMBINATION DOORS

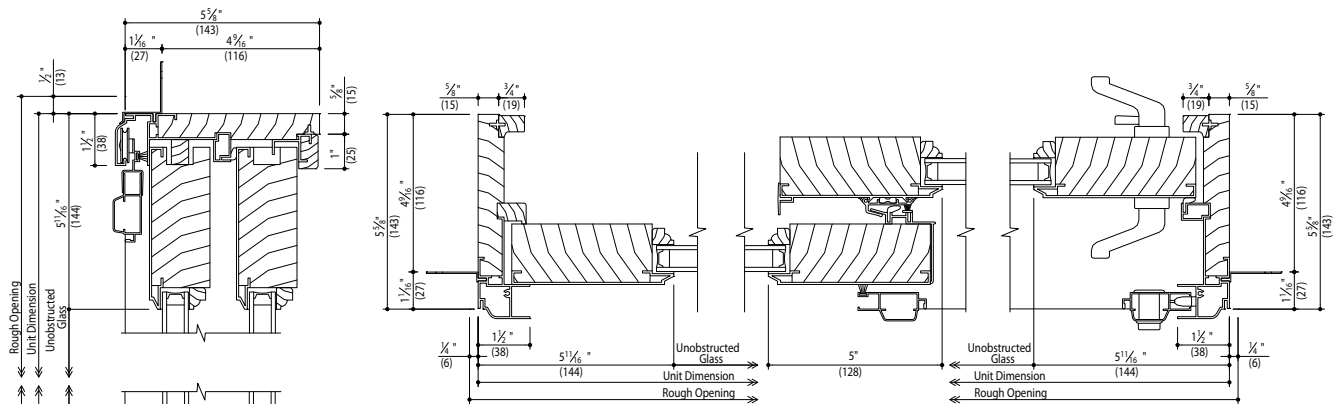
The overall frame dimension (both width and height) is equal to the sum of the individual unit frame dimensions plus joining material dimension(s).

The overall rough opening (both width and height) is equal to the overall frame dimensions plus 1/4" on all sides.

FOR WINDOWS GREATER THAN 30 SQUARE FEET OR RATED HIGHER THAN PG50, ONE OF THESE THREE INSTALLATION METHODS IS REQUIRED:
A) THROUGH THE JAMB B) ALUMINUM INSTALLATION FLANGE OR C) INSTALLATION CLIPS.
ADDITIONAL CUSTOM SIZES ARE AVAILABLE. CONTACT YOUR LOCAL SUPPLIER FOR MORE INFORMATION. DRAWINGS ARE NOT TO SCALE.

French Gliding Patio Doors

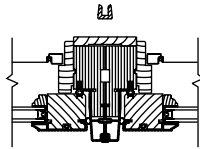
French Gliding Patio Door



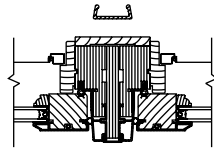
Installation Materials

We offer a variety of accessory metals to ensure a coordinated, low-maintenance window or door system. Available in 50 exterior colors at no additional cost, these trims save time on the job site.

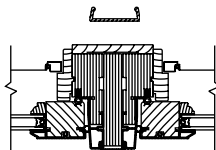
Joining Components



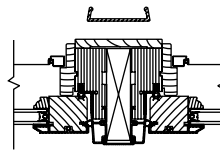
Standard Exterior Mull Cover



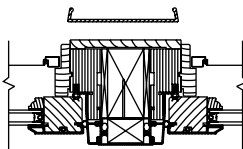
1/2" Exterior Mull Cover



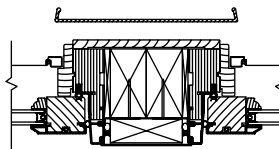
3/4" Exterior Mull Cover



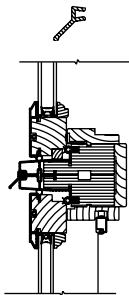
1" Exterior Mull Cover



2" Exterior Mull Cover

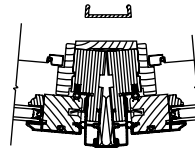


3-1/2" Exterior Mull Cover

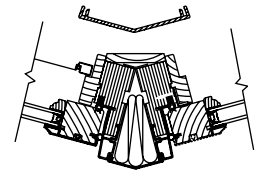


Standard Exterior Mull Cover with Drip

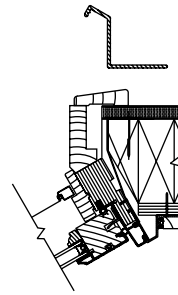
Bay and Bow Trim Metals & Applications



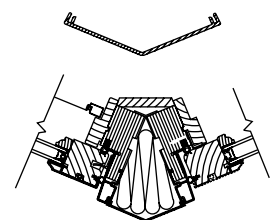
10° Casement Bow Exterior Mull Cover



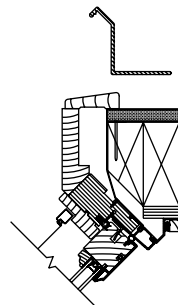
30° Casement Angle Bay Exterior Mull Cover



30° Angle Bay Enclosure



45° Casement Angle Bay Exterior Mull Cover



45° Angle Bay Enclosure

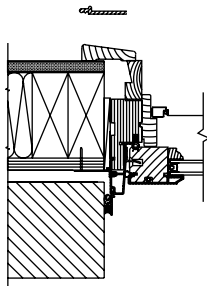


30° Angle Bay Exterior Mull Cover

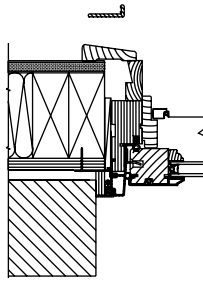


45° Double-Hung Exterior Mull Cover

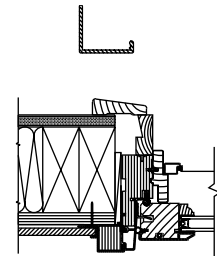
Trim Metals & Applications



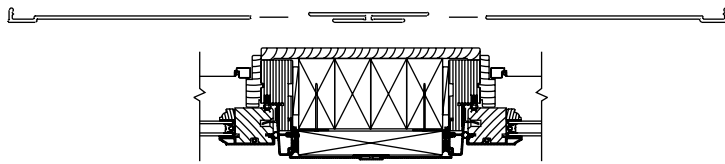
3/4" Frame Extender



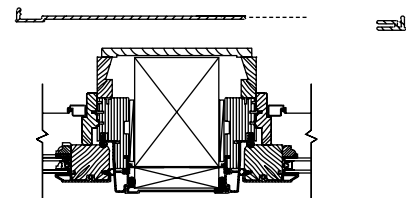
3/4" Frame Expander



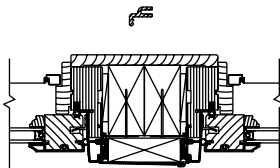
90° Angle Expander



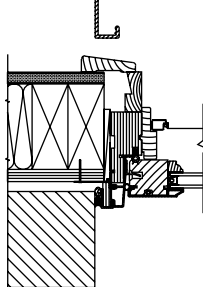
1-1/2" Mull Expander – May be used with adjustable mull covers or frame expanders (vertical joins only)



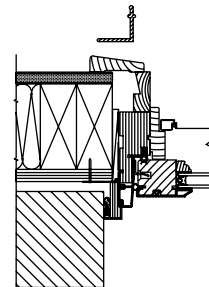
1" - 5" Adjustable Mull Cover and Receiver (vertical join)



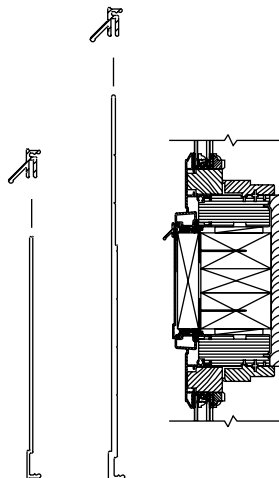
Frame Expander Receiver



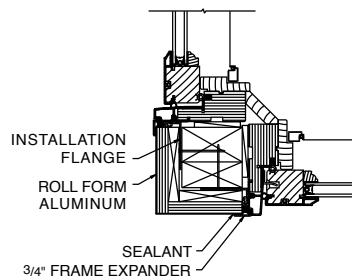
Expander Return



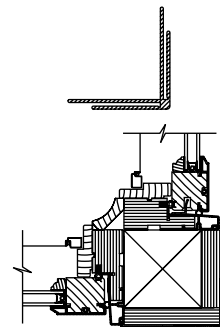
3/4" Frame Enclosure



1" - 5" and 5-1/4" - 8" Adjustable Mull Cover and Receiver with Drip Leg (horizontal join)



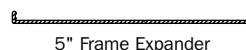
Corner Post Section of Box Bay Using Roll Form Metal on Corners



90° Outside Corner



2-1/4" Frame Expander



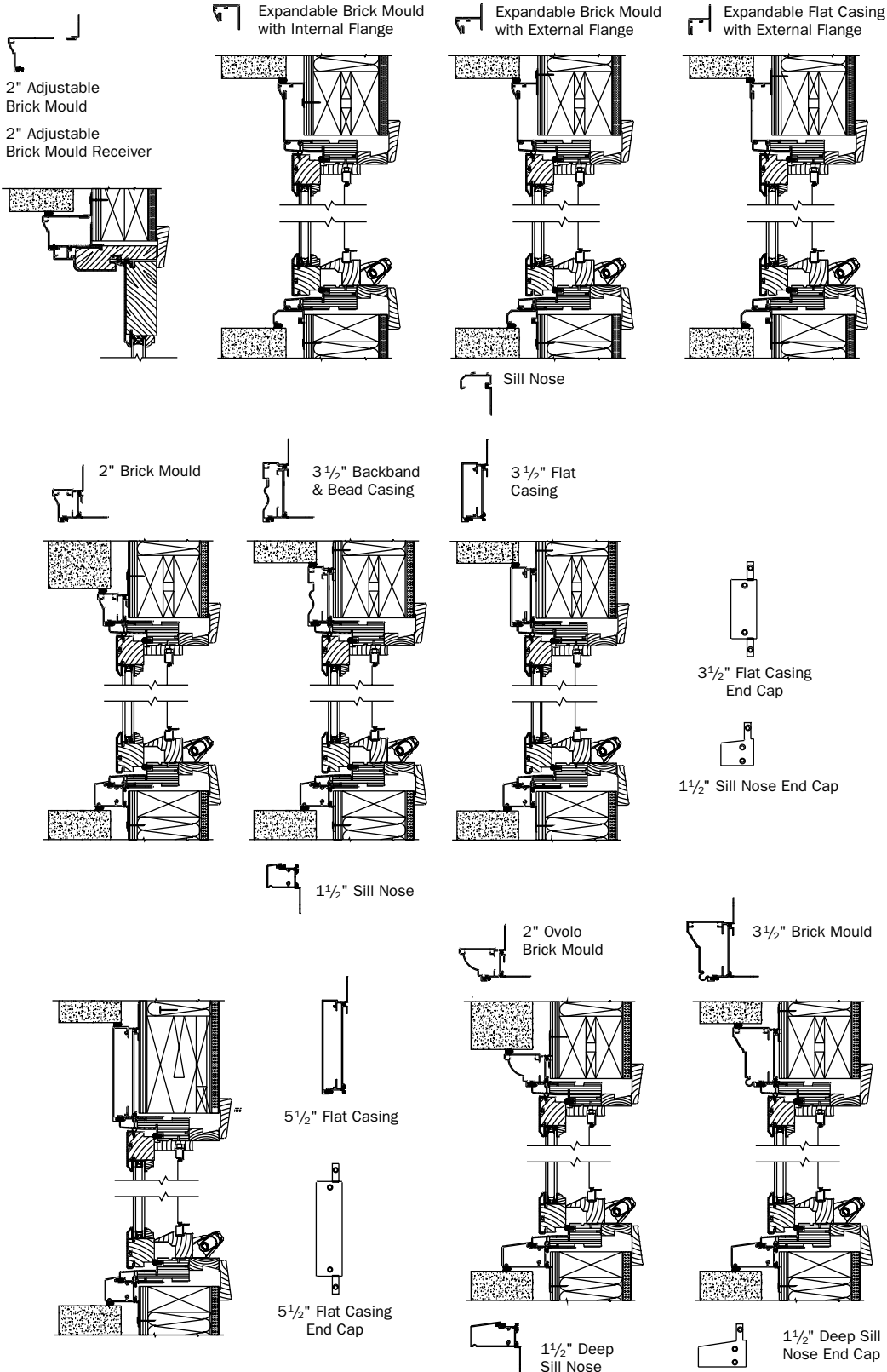
5" Frame Expander



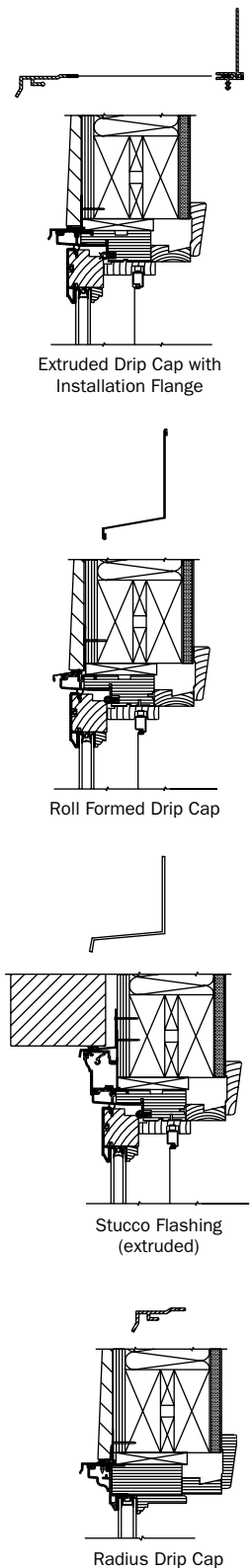
3" Frame Expander

7" Frame Expander

Applications

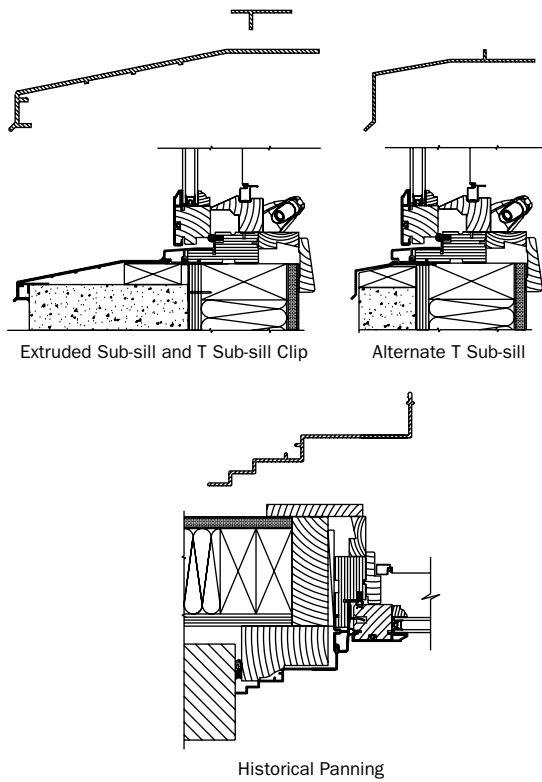


Drip Caps & Applications

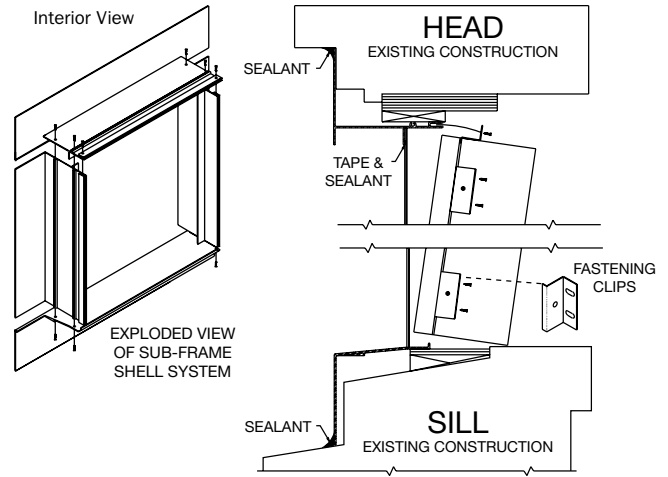


PROPER INSTALLATION AND MAINTENANCE OF E-SERIES PRODUCTS IS ESSENTIAL TO ATTAIN OPTIMUM PERFORMANCE AND OPERATION. WRITTEN INSTALLATION INSTRUCTIONS THAT PROVIDE GUIDELINES FOR PROPER INSTALLATION ARE AVAILABLE BY VISITING ANDERSENWINDOWS.COM.

Miscellaneous Trim Metals & Applications



Sub-Frame Shell System

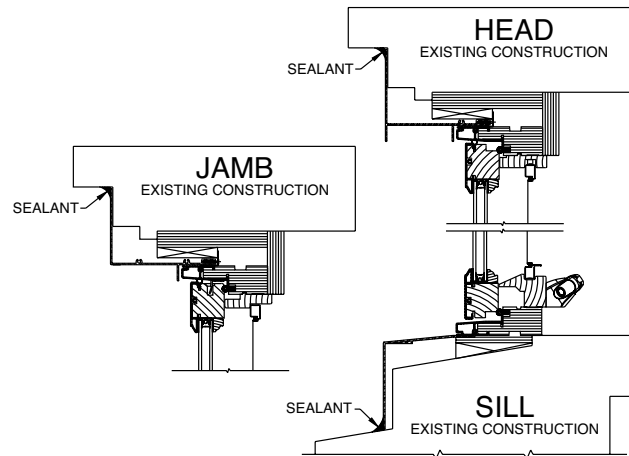


The E-Series Sub-Frame Shell System is a simple and effective way to meet remodeling needs for residential and commercial projects. Preserving existing buildings and neighborhoods has become increasingly important to our society. And a good, sound, older structure can be as efficient as, if not more efficient than, a new building.

Many E-Series products will work in the Sub-Frame Shell System for remodeling, which means you have unlimited design choices to fit the existing architecture. The Sub-Frame Shell System is a heavy aluminum perimeter-flange sub-frame that covers most existing construction conditions. It can be installed from the inside without costly scaffolding or off-staging.

Masonry Opening Formulas

Masonry Opening Formulas			
Formulas allow 1/4" for backer rod and sealant around entire perimeter			
2" Brick Mould 2" Ovolo Brick Mould	WIDTH		Frame + 3 3/4"
	HEIGHT	w/ Sill Nose	Frame + 3 1/4"
		4-Sides	Frame + 3 3/4"
		3-Sides	Frame + 2 1/8"
3 1/2" Flat Casing 3 1/2" Brick Mould 3 1/2" Backband & Bead Casing	WIDTH		Frame + 6 3/4"
	HEIGHT	w/ Sill Nose	Frame + 4 3/4"
		4-Sides	Frame + 6 3/4"
		3-Sides	Frame + 3 5/8"
5 1/2" Flat Casing	WIDTH		Frame + 10 3/4"
	HEIGHT	w/ Sill Nose	Frame + 6 3/4"
		4-Sides	Frame + 10 3/4"
		3-Sides	Frame + 5 5/8"



PRODUCT PERFORMANCE

Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors – Dual-Pane & Triple-Pane Glass

For current performance information, please visit andersenwindows.com.

Andersen® Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT²
Casement Windows				
Stationary (6060)	-	Class CW-PG50-FW Size Tested 72" x 72"	50/50	≤0.2
Venting (2660)	-	Class CW-PG55-C Size Tested 30" x 72" *	55/55	≤0.2
Venting (3028)	-	Class CW-PG55-C Size Tested 36" x 32"	55/55	≤0.2
Venting (3056)	-	Class CW-PG60-C Size Tested 36" x 66"	60/60	≤0.2
Venting, piano hinge (3060)	-	Class CW-PG70-C Size Tested 36" x 72"	70/70	≤0.2
Awning Windows				
Venting (4030)	-	Class LC-PG50-AP Size Tested 48" x 36"	50/50	≤0.2
Venting (4050)	-	Class LC-PG50-AP Size Tested 48" x 60"	50/50	≤0.2
Venting (4056)	-	Class LC-PG65-AP Size Tested 48" x 66"	65/65	≤0.2
Casement & Awning Picture/Transom Windows				
Fixed (46100) <i>dual-pane glass only</i>	-	Class CW-PG80-FW Size Tested 54" x 120" *	80/80	≤0.2
Fixed (6080) <i>dual-pane glass only</i>	-	Class CW-PG80-FW Size Tested 72" x 96"	80/80	≤0.2
Arch Casement Windows				
Stationary (6060)	-	Class LC-PG50-FW Size Tested 72" x 72"	50/50	≤0.2
Venting (3028)	-	Class CW-PG55-C Size Tested 36" x 32" *	55/55	≤0.2
Venting (3056)	-	Class CW-PG60-C Size Tested 36" x 66"	60/60	≤0.2
Venting (3060)	-	Class CW-PG70-C Size Tested 36" x 72"	70/70	≤0.2
French Casement Windows				
Venting (5050) <i>dual-pane glass only</i>	-	Class LC-PG30-C Tested 60" x 60"	30/30	≤0.2
Push Out Casement Windows				
Venting (3034)	-	Class LC-PG50-C Size Tested 36" x 40"	50/50	≤0.2
Venting (3060)	-	Class LC-PG50-C Size Tested 36" x 72"	50/50	≤0.2
Push Out Awning Windows				
Venting (3440)	-	Class LC-PG40-AP Size Tested 40" x 48"	40/40	≤0.2
Venting (4040)	-	Class LC-PG40-AP Size Tested 48" x 48"	40/40	≤0.2
Double-Hung Full-Frame Windows				
Venting (3470)	-	Class LC-PG55-H Size Tested 40" x 84"	55/55	≤0.2
Venting (3866)	-	Class LC-PG55-H Size Tested 44" x 78"	55/55	≤0.2
Venting (4060)	-	Class LC-PG55-H Size Tested 48" x 72"	55/55	≤0.2
Venting (4686)	-	Class LC-PG30-H Size Tested 54" x 102"	30/30	≤0.2
Double-Hung Picture Full-Frame Windows				
Fixed (5066)	-	Class CW-PG55-FW Size Tested 60" x 78"	55/55	≤0.2
Double-Hung Transom Full-Frame Windows				
Fixed (4040)	-	Class R-PG55-FW Size Tested 48" x 48"	55/55	≤0.2
Double-Hung Insert Windows				
Venting (3866)	-	Class LC-PG30-H Size Tested 44" x 78"	30/30	≤0.2
Double-Hung Picture Insert Windows				
Fixed (5066)	-	Class CW-PG30-FW Size Tested 60" x 78"	30/30	≤0.2
Monumental Single-Hung Windows				
Venting (40100)	-	Class LC-PG35-H Size Tested 48" x 120"	35/35	≤0.2
Venting (5090)	-	Class LC-PG30-H Size Tested 60" x 108"	30/30	≤0.2

*"Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.

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*Contact your Andersen supplier for more information.

*Test specimen size is smaller than the North American Fenestration Standard (NAFS) gateway size specified for this product type and performance class.

Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors – Dual-Pane & Triple-Pane Glass *(continued)*

 For current performance information, please visit andersenwindows.com.

Andersen® Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT ²
Gliding Windows				
Venting, active-stationary (6040)	-	Class CW-PG30-HS Size Tested 72" x 48"	30/30	≤0.2
Venting, active-stationary (6050)	-	Class CW-PG30-HS Size Tested 72" x 60"	30/30	≤0.2
Specialty Windows				
Fixed, rectangle (46120)	-	Class CW-PG55-FW Size Tested 54" x 144" *	55/55	≤0.2
Fixed, rectangle (5080)	-	Class CW-PG75-FW Size Tested 60" x 96"	75/75	≤0.2
Gliding & French Gliding Patio Doors				
Single, stationary (4080)	Contemporary panel with 2 3/4" stiles & rails ¹	Class LC-PG50-SLT Size Tested 50" x 96"	50/50	≤0.2
Two-panel (6080)	Contemporary panels with 4 11/16" stiles & rails ²	Class LC-PG50-SD Size Tested 71" x 96"	50/50	≤0.2
Two-panel (8080)	Contemporary panels with 4 11/16" stiles & rails ²	Class LC-PG40-SD Size Tested 95" x 96"	40/40	≤0.2
Two-panel (8080)	Contemporary panels with 2 3/4" stiles & rails	Class LC-PG30-SD Size Tested 95" x 96"	30/30	≤0.2
Four-panel (12080)	Contemporary panels with 4 11/16" stiles & rails ²	Class LC-PG40-SD Size Tested 142" x 96"	40/40	≤0.2
Four-panel (16080)	Contemporary panels with 2 3/4" stiles & rails ³	Class LC-PG25-SD Size Tested 190" x 96"	25/25	≤0.2
Hinged Inswing Patio Doors & Sidelights				
Single, stationary or sidelight (34100)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail ⁴	Class LC-PG45-FD Size Tested 40" x 119.5"	45/60	≤0.2
Single, stationary (34100)	Contemporary panel with 3 11/16" stiles & rails ⁵	Class LC-PG45-FD Size Tested 40.5" x 120"	45/50	≤0.2
Single, active (3486)	Contemporary panel with 4 11/16" stiles & rails ⁶	Class LC-PG45-SHD Size Tested 40" x 102"	45/65	≤0.2
Single, active (3486)	Contemporary panel with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 40.5" x 102"	45/50	≤0.2
Single, active, low threshold sill ** (3486)	Contemporary panel with 3 11/16" stiles & rails ⁵	Class LC-PG50-LW SHD Size Tested 40.5" x 101.18"	50/50	≤0.2
Single, active, low threshold sill ** (3486)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail ⁷	Class LC-PG50-LW SHD Size Tested 40" x 101"	50/60	≤0.2
Single, active (34100)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail ⁸	Class LC-PG45-SHD Size Tested 40" x 119.5"	45/65	≤0.2
Single, active (34100)	Contemporary panel with 3 11/16" stiles & rails ⁵	Class LC-PG45-SHD Size Tested 40.5" x 120"	45/50	≤0.2
Two-panel, stationary-stationary (6780)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail ⁷	Class LC-PG40-FD Size Tested 79" x 96"	40/40	≤0.2
Two-panel, stationary-stationary (6780)	Contemporary panels with 3 11/16" stiles & rails ⁵	Class LC-PG40-FD Size Tested 79" x 95.3"	40/40	≤0.2
Two-panel, active-stationary, jamb hinged (6780)	Contemporary panels with 4 11/16" stiles & rails ⁶	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-stationary, jamb hinged (6780)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-stationary, astragal hinged (6780)	Contemporary panels with 4 11/16" stiles & rails ⁶	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-stationary, astragal hinged (6780)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 79" x 96"	45/45	≤0.2
Two-panel, active-passive (6780)	Contemporary panels with 4 11/16" stiles & rails ⁶	Class LC-PG40-SHD Size Tested 79" x 96"	40/40	≤0.2
Two-panel, active-passive, low threshold sill ** (6786)	Contemporary panels with 3 11/16" stiles & rails ⁵	Class LC-PG30-LW SHD Size Tested 79" x 101"	30/30	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 4 11/16" stiles & rails ⁹	Class LC-PG30-SHD Size Tested 79" x 102"	30/30	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG30-SHD Size Tested 79" x 101.8"	30/40	≤0.2
Two-panel, active-passive, low threshold sill ** (6786)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail ⁷	Class LC-PG30-LW SHD Size Tested 79" x 101"	30/30	≤0.2
Two-panel, active-passive (67100)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail ⁸	Class LC-PG35-SHD Size Tested 79" x 120"	35/35	≤0.2
Two-panel, active-passive (67100)	Contemporary panels with 3 11/16" stiles & rails ⁵	Class LC-PG30-SHD Size Tested 79" x 120"	30/40	≤0.2

*Performance Grade (PG) ratings may vary from tested performance rating for larger or smaller units of a particular type.

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*Test specimen size is smaller than the North American Fenestration Standard (NAFS) gateway size specified for this product type and performance class.

**Hinged doors with a low threshold sill have limited water performance.

Numbered footnotes provide additional panel types for the same patio door, sidelight or transom listed above that are covered by the given test data.
Commercial patio door panels, referenced as an additional panel type in the numbered footnotes below, do not include commercial doors with Concealed Panic System (CPS).
1 Applies to similar contemporary door panel with 4 11/16" stiles & rails. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail.

2 Also applies to French door panels with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail.

3 Applies to similar contemporary door panels with 4 11/16" stiles & rails in doors with a unit dimension greater than 12' wide. Also applies to French door panels with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail in doors with a unit dimension greater than 12' wide.

4 Applies to similar French sidelight panel with 12" bottom rail; includes comparable commercial panel and similar non-commercial panel with intermediate rail and raised panel insert. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail; includes comparable commercial panel and similar non-commercial panel with intermediate rail and raised panel insert.

5 Also applies to contemporary door panel(s) with 4 11/16" stiles & rails.

6 Also applies to French door panel(s) with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panel(s).

7 Applies to similar French door panel(s) with 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panel(s).

8 Applies to similar French door panel(s) with 12" bottom rail; includes comparable commercial panel(s).

9 Also applies to French door panels with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail; includes comparable commercial panels.

PRODUCT PERFORMANCE

Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors – Dual-Pane & Triple-Pane Glass *(continued)*

For current performance information, please visit andersenwindows.com.

Andersen® Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT ²
Hinged Inswing Patio Door Venting Sidelights				
Sidelight, venting (2080)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail 10	Class CW-PG45-SLT Size Tested 24" x 96"	45/50	≤0.2
Hinged Inswing Patio Door Transoms				
Fixed (6720)	Panel with 2 3/4" stiles & rails 11	Class CW-PG60-TR Size Tested 79" x 24"	60/60	≤0.2
Arch Hinged Inswing Patio Doors & Sidelights				
Single, stationary or sidelight (3480)	French arch panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 12	Class CW-PG45-FD Size Tested 40" x 96"	45/60	≤0.2
Single, active (3480)	French arch panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 13	Class CW-PG45-SHD Size Tested 40" x 96"	45/55	≤0.2
Two-panel, active-passive (6080)	French unequal leg arch panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 13	Class LC-PG40-SHD Size Tested 72" x 96"	40/40	≤0.2
Hinged Outswing Patio Doors & Sidelights				
Single, stationary or sidelight (2080)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail, with intermediate rail at 35" location 10	Class CW-PG80-SLT Size Tested 24.5" x 95.3"	80/80	≤0.2
Single, stationary or sidelight (21080)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail, with intermediate rail at 35" location & raised panel insert 14	Class CW-PG75-SLT Size Tested 34.6" x 95.3"	75/75	≤0.2
Single, stationary or sidelight (34100)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail 15	Class LC-PG75-SLT Size Tested 40" x 119.3"	75/80	≤0.2
Single, stationary (34100)	Contemporary panel with 3 11/16" stiles & rails 5	Class LC-PG50-SLT Size Tested 40.5" x 120"	50/50	≤0.2
Single, active (3080)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail, with intermediate rail at 35" location & raised panel insert	Class LC-PG60-SHD Size Tested 36.5" x 95.3"	60/60	≤0.2
Single, active (3080)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail, with intermediate rail at 23 3/4" location & raised panel insert	Class LC-PG60-SHD Size Tested 36.5" x 95.3"	60/60	≤0.2
Single, active (3480)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 8	Class LC-PG60 SHD Size Tested 40" x 95"	60/60	≤0.2
Single, active (3480)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail, with intermediate rail at 35" location 16	Class LC-PG60-SHD Size Tested 40" x 95.3"	60/60	≤0.2
Single, active, low threshold sill** (3480)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 7	Class LC-PG60-LW SHD Size Tested 40" x 94"	60/60	≤0.2
Single, active, low threshold sill** (3480)	Contemporary panel with 3 11/16" stiles & rails 5	Class LC-PG50-LW SHD Size Tested 40.5" x 94.8"	50/50	≤0.2
Single, active (3486)	Contemporary panel with 4 11/16" stiles & rails	Class LC-PG50-SHD Size Tested 40" x 101"	50/50	≤0.2
Single, active (3486)	Contemporary panel with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 40.5" x 101.5"	50/50	≤0.2
Single, active (34100)	French panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 8	Class LC-PG50-SHD Size Tested 40" x 119.3"	50/50	≤0.2
Single, active (34100)	Contemporary panel with 3 11/16" stiles & rails 5	Class LC-PG45-SHD Size Tested 40.5" x 119.3"	50/50	≤0.2
Two-panel, stationary-stationary (6780)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 7	Class LC-PG60-FD Size Tested 79" x 95.3"	60/60	≤0.2
Two-panel, stationary-stationary (6780)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG50-FD Size Tested 79" x 96"	50/50	≤0.2

*Performance Grade (PG) ratings may vary from tested performance rating for larger or smaller units of a particular type.

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**Hinged doors with a low threshold sill have limited water performance.

Numbered footnotes provide additional panel types for the same patio door, sidelight or transom listed above that are covered by the given test data.

Commercial patio door panels, referenced as an additional panel type in the numbered footnotes below, do not include commercial doors with Concealed Panic System (CPS).

5 Also applies to contemporary door panel(s) with 4 11/16" stiles & rails.

7 Applies to similar French door panel(s) with 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panel(s).

8 Applies to similar French door panel(s) with 12" bottom rail; includes comparable commercial panel(s).

10 Also applies to all available panels.

11 Also applies to transom panel with 4 11/16" stiles and 2 1/4" rails and transom panel with 4 11/16" stiles and rails; includes all commercial transom panels.

12 Applies to similar French door panel with 12" bottom rail; includes arch and unequal leg arch door panel with or without intermediate rail and with or without raised panel insert. Also applies to French sidelight panel with 8" or 12" bottom rail with or without intermediate rail and with or without raised panel insert.

13 Also applies to all arch and unequal leg arch door panels with 4 11/16" stiles.

14 Applies to similar French sidelight panel with intermediate rail at 23 1/4" location and raised panel insert. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail with intermediate rail with raised panel insert.

15 Applies to similar French sidelight panel with 12" bottom rail; includes comparable commercial sidelight panel. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail; includes comparable commercial door panel.

16 Applies to similar French door panel with intermediate rail at 23 1/4" location. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 12" bottom rail and intermediate rail; includes comparable commercial door panel.

Performance Grade & Air Infiltration Ratings for E-Series Windows & Patio Doors – Dual-Pane & Triple-Pane Glass *(continued)*

 For current performance information, please visit andersenwindows.com.

Andersen® Product	Panel Type	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	Air Infiltration CFM/FT ²
Hinged Outswing Patio Doors & Sidelights				
Two-panel, active-passive (6780)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 7	Class LC-PG60-SHD Size Tested 79" x 95"	60/60	≤0.2
Two-panel, active-passive, low threshold sill ** (6780)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 17	Class LC-PG50-LW SHD Size Tested 79" x 94"	50/50	≤0.2
Two-panel, active-passive, low threshold sill ** (6780)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG40-LW SHD Size Tested 79" x 95"	40/40	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 4 11/16" stiles & rails	Class LC-PG40-SHD Size Tested 79" x 101"	40/40	≤0.2
Two-panel, active-passive (6786)	Contemporary panels with 3 11/16" stiles & rails	Class LC-PG45-SHD Size Tested 79" x 101.5"	45/45	≤0.2
Two-panel, active-passive (67100)	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 8	Class LC-PG40-SHD Size Tested 79" x 119"	40/40	≤0.2
Two-panel, active-passive (67100)	Contemporary panels with 3 11/16" stiles & rails 5	Class LC-PG30-SHD Size Tested 79" x 120"	30/40	≤0.2
Hinged Outswing Patio Door Venting Sidelights				
Sidelight, venting (2080)	French panel with 2 3/4" stiles, 4 11/16" top rail & 8" bottom rail with intermediate rail at 35" location 10	Class CW-PG50 Size Tested 24" x 96"	50/50	≤0.2
Hinged Outswing Patio Door Transoms				
Fixed (6720)	Panel with 2 3/4" stiles, top rail & bottom rail 10	Class CW-PG80-TR Size Tested 79" x 24"	80/80	≤0.2
Arch Hinged Outswing Patio Doors & Sidelights				
Single, stationary or sidelight (3480)	French arch panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 12	Class CW-PG80-FD Size Tested 40" x 96"	80/80	≤0.2
Single, active (3480)	French arch panel with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 13	Class LC-PG60-SHD Size Tested 40" x 96"	60/60	≤0.2
Two-panel (6080)	French unequal leg arch panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail 13	Class LC-PG60-SHD Size Tested 79" x 96"	60/60	≤0.2

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*Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

*Contact your Andersen supplier for more information.

**Hinged doors with a low threshold sill have limited water performance.

Numbered footnotes provide a list of additional panel types for the same patio door, sidelight or transom listed above that are covered by the given test data.
Commercial patio door panels, referenced as an additional panel type in the numbered footnotes below, do not include commercial doors with Concealed Panic System (CPS).
5 Also applies to contemporary door panel(s) with 4 11/16" stiles & rails.

7 Applies to similar French door panel(s) with 12" bottom rail with or without intermediate rail and with or without raised panel insert; includes comparable commercial panels(s).

8 Applies to similar French door panel(s) with 12" bottom rail; includes comparable commercial panel(s).

10 Also applies to all available panels.

12 Applies to similar French door panel with 12" bottom rail; includes arch and unequal leg arch door panel with or without intermediate rail and with or without raised panel insert. Also applies to French sidelight panel with 8" or 12" bottom rails with or without intermediate rail and with or without raised panel insert.

13 Also applies to all arch and unequal leg arch door panels with 4 11/16" stiles.

17 Applies to similar French door panel with 12" bottom rail; includes comparable commercial panel. Also applies to French door panel with 4 11/16" stiles, 4 11/16" top rail and 8" or 12" bottom rail with intermediate rail and raised panel insert.

 For performance ratings for E-Series products with Stormwatch® Protection, go to andersenwindows.com.

PRODUCT PERFORMANCE

Sound Transmission Ratings for E-Series Windows & Patio Doors

For current performance information, please visit andersenwindows.com.

Andersen® Product & Glass Type	Panel Type	Test Size	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)
Casement Windows - Stationary				
Dual-Pane	-	48" x 60"	29	25
Dual-Panel Laminated, 0.030"			33	29
STC Upgrade			32	29
Casement Windows - Venting				
Dual-Pane	-	24" x 80"	29	25
Triple-Pane			30	24
Dual-Panel Laminated, 0.030"			33	29
STC Upgrade			33	28
Double-Hung Windows				
Dual-Pane	-	48" x 60"	28	24
Triple-Pane			28	24
Dual-Panel Laminated, 0.030"			33	29
STC Upgrade			32	27
Double-Hung Picture Windows				
Dual-Pane	-	48" x 60"	31	26
Dual-Panel Laminated, 0.030"			35	30
STC Upgrade			34	30
Specialty Windows				
Dual-Pane	-	48" x 60"	28	24
Dual-Panel Laminated, 0.030"			31	25
STC Upgrade			34	29
French Gliding Patio Doors				
Dual-Pane	French panels with 4 11/16" stiles, 4 11/16" top rail & 8" bottom rail	72" x 80"	29	24
Triple-Pane			30	25
Dual-Panel Laminated, 0.030"			32	29
STC Upgrade			30	28
Hinged Inswing Patio Doors – Single Panel				
Dual-Pane	French panel with 4 11/16" stiles, 4 11/16" top rail & 12" bottom rail	37.875" x 84"	31	26
Triple-Pane			31	27
Dual-Panel Laminated, 0.030"			33	30
STC Upgrade			33	30
Hinged Inswing Patio Doors – Two-Panel				
Dual-Pane	French panels with 4 11/16" stiles, 4 11/16" top rail & 12" bottom rail	74.812" x 84"	30	26
Triple-Pane			31	26
Dual-Panel Laminated, 0.030"			33	30
STC Upgrade			32	29
Hinged Outswing Patio Doors – Single Panel				
Dual-Pane	French panel with 4 11/16" stiles, 4 11/16" top rail & 12" bottom rail	37.875" x 84"	30	26
Triple-Pane			31	26
Dual-Panel Laminated, 0.030"			33	30
STC Upgrade			33	30
Hinged Outswing Patio Doors – Two-Panel				
Dual-Pane	French panels with 4 11/16" stiles, 4 11/16" top rail & 12" bottom rail	74.812" x 84"	29	25
Triple-Pane			30	26
Dual-Panel Laminated, 0.030"			33	30
STC Upgrade			32	29

- * "Sound Transmission Class (STC)" & "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units based on independent tests and represent entire unit.
- * This data is accurate as of October 2018. Due to ongoing product changes, updated test results or new industry standards, this data may change over time.
- * Contact your Andersen supplier for more information.

Notes

This image shows a full page of blank graph paper. The grid consists of thin, light gray horizontal and vertical lines that intersect to form small squares across the entire surface. There are no margins, text, or other markings on the paper.

Notes

32	E-Series Casement Windows
48	E-Series Awning Windows
56	E-Series Double-Hung Windows
80	E-Series Bay & Bow Windows
92	E-Series Gliding Windows
98	E-Series Specialty Windows
106	E-Series Hinged Patio Doors
142	E-Series Gliding Patio Doors
154	Installation Material & Product Performance



Welcome to an overview of the enhanced navigation tools available in this PDF. Here are some simple tips on PDF navigation. Before you begin be sure you are using the latest version of Adobe Acrobat Reader DC, available at – <https://get.adobe.com/reader/>

To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn60N3Y>

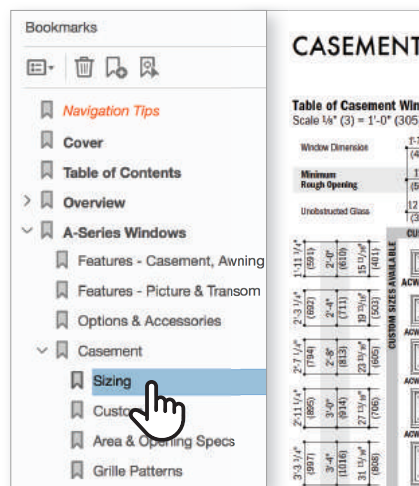
BOOKMARK NAVIGATION

①

Acrobat will display the bookmarks panel when you open the PDF.

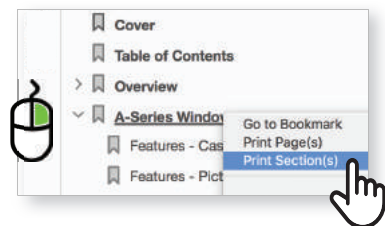
Bookmarks are the easiest way to find specific product information.

Select a topic and that page will be displayed.



②

If you need to print a specific section, **right click on that section** within in the bookmarks panel and choose “Print Section”.



LINKS AND URL NAVIGATION

①

You can also use the **embedded links** to navigate between sections. All links are underlined in blue.



②

Website links automatically open in your web browser.



PDF NAVIGATION TIPS Cont.

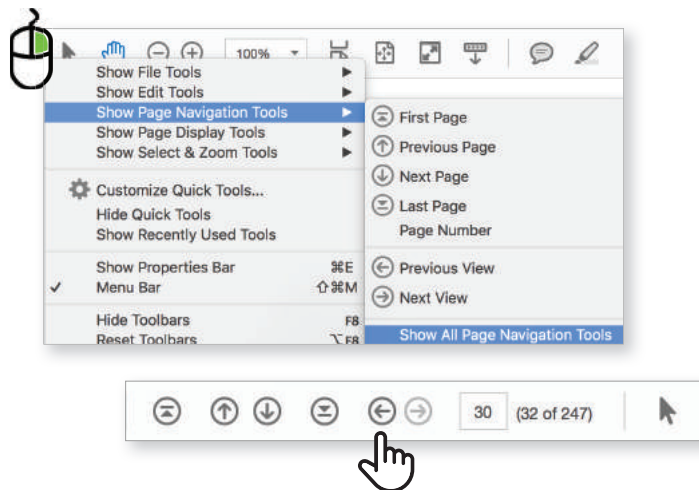
Add additional navigation tools by adjusting the default settings in Acrobat.

TOOL BAR NAVIGATION

1

To add a **"Jump Back" Button** to your tool bar, **right click on tool bar**, select **Show Page Navigation Tools** and choose **Show All Page Navigation Tools**.

Right and left facing arrows are added to the tool bar allowing you to go back or forward to the last page you viewed.

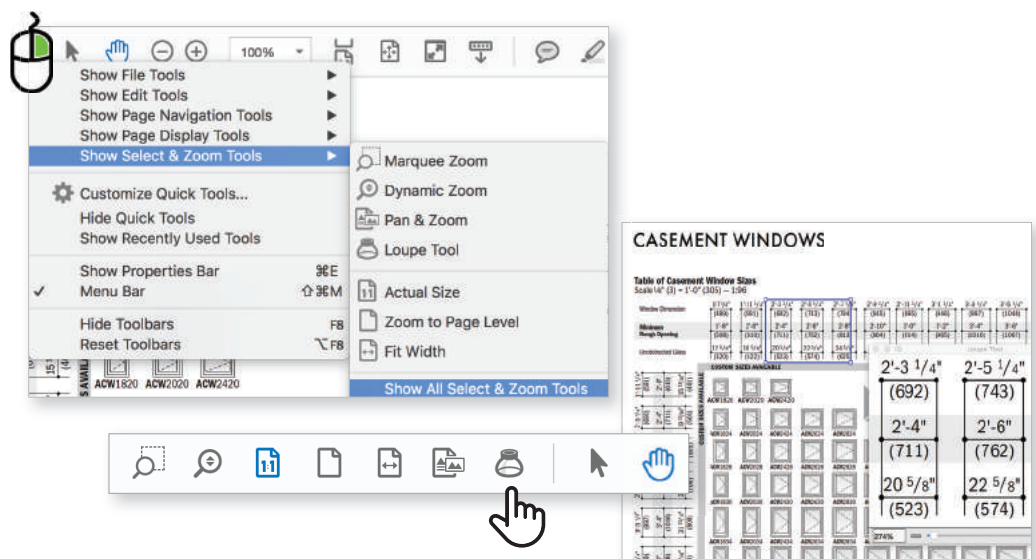


2

Another helpful tool is the **Loupe Tool**.

It allows you to zoom in on the page without having to increase the page size.

To add a **Loupe Tool** to your tool bar, **right click on tool bar**, select **Show Select & Zoom Tools** and then choose **Show All Select & Zoom Tools**.



3

You can also use the **commenting tools**. Add a post-it note with your comments or highlight important information.

Be sure to save the file.



To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn60N3Y>

We are always looking for ways to improve.

Please send feedback to webmarketing@andersencorp.com.



Samantha Smith <ssmith@eastonmd.gov>

FW: 414 August St. Easton, MD

Ernest Demby <ernest@encoresustainablearchitects.com>

Fri, Oct 13, 2023 at 10:08 AM

To: Miguel Salinas <msalinas@eastonmd.gov>

Cc: Nicholas Johnson <njohnson@eastonmd.gov>, "lance.bradley@ncvamedicalstaffing.com"

<lance.bradley@ncvamedicalstaffing.com>, Samantha Smith <ssmith@eastonmd.gov>, "mbradley@goeaston.net"

<mbradley@goeaston.net>, "luschak@shawsair.com" <luschak@shawsair.com>, "mariatbrophy@gmail.com"

<mariatbrophy@gmail.com>

Hi Miguel,

Due to the possible life-threatening health hazards that can be caused by the existing heating system at 414 August Street, I am sending this email to approve the emergency installation of HVAC Split system and the removal of the existing forced air system. The applicant has agreed to the conditions set by the HDC and waiting for the next HDC meeting would hold up the installation process causing uncomfortable living conditions for Ms. Bradley. Please let me know if I can be of further assistance. Thanks for the update!

Ernie Demby, AIA Assoc., Designer**ENCORE SUSTAINABLE ARCHITECTS**

31 Light Street, Suite 500

Baltimore, MD 21202

P: 410.624.5461 | www.encoresustainablearchitects.com*Connect with us on Facebook, Instagram, & Linked In*

From: Miguel Salinas <msalinas@eastonmd.gov>**Date:** Thursday, October 12, 2023 at 7:32 PM**To:** Ernest Demby <ernest@encoresustainablearchitects.com>**Cc:** Nicholas Johnson <njohnson@eastonmd.gov>**Subject:** Fwd: 414 August St. Easton, MD

Hi Ernest,

See the email below. I am concerned that the situation is a serious health and safety issue. I talked with the owner's son and even a two week delay could set back installation into November.

They are agreeing to any conditions we will ask for on the application including matching the siding color and any screening with shrubs. Plus what they are proposing doesn't take away the architectural integrity of the contributing structure since they can be detached from the main structure at any time. Additions to existing historic structures should be such that if removed, the original structure still retains it's historic character.

Can you reconsider the decision? I think this qualifies. If not, can you poll the Commission based on the gentleman's email and staff's recommendation?

Please let me know ASAP.

Thanks,

Miguel Salinas
Director of Planning and Zoning
Town of Easton, MD

----- Forwarded message -----

From: Lance Bradley <lance.bradley@ncvamedicalstaffing.com>
Date: Wed, Oct 11, 2023, 2:23 PM
Subject: 414 August St. Easton, MD
To: Miguel Salinas <msalinas@eastonmd.gov>
Cc: Marie Bradley <mbradley@goeaston.net>, Ray Plutschak <ray.plutschak@shawsair.com>

To Whom It May Concern,

I am appealing to the Easton, MD Historic District Commission asking for an emergency permit for Marie Bradley, of 414 August St. for the installation of split unit heating units at 414 August St.

My mother is an 83 year old, long term resident of Easton MD. She is of limited mobility that requires the use of handicap parking permit. Besides mobility issues she suffers from hypertension, diabetes and is a cancer survivor. Marie Bradley is living in the house that her parents lived in as she was growing up.

The house she is living in has used fuel oil for heating until a crack was found in the burn chamber that was releasing carbon monoxide in the house, (a life-threatening issue) that precludes the use of the heating system. We are not upgrading the heating system because of efficiency problems we are upgrading because the use of the current system could potentially kill her.

It was decided that the best course of action was for the removal of the in floor forced air heating system and the outside 275 gal. fuel tank, and have a high efficiency, split system installed.

As the weather has turned cooler and the potential for freezing temperatures are possible before the next commission meeting and installation of the new system. We are asking for an emergency permit. We agree to stipulations that may be placed on the permit including, the pipe channel covers to be painted to match the siding and any screening to hide the outside heat pumps, are not an issue with us.

Please feel free to contact me if you have any questions.



Historic District Commission MEETING AGENDA

Monday, October 9, 2023 - 6:00 PM
Council Chambers, Easton Town Office
14 S Harrison Street

Call to Order

- 1) Approval of the Agenda for the October 9, 2023 meeting.

New Business

- 1) **Application Number:** 2023 - 1034
Applicant: MJH Construction LLC
Location: 211 Goldsborough Street
Tax Map 103, Grid 0EA, 0067
Zoning District: R-7A
Request: Porch Repair.
- 2) **Application Number:** 2023 - 1042
Applicant: Ray Plutschak Shaws Inc.
Location: 414 August Street
Tax Map 104, Grid 000, Parcel 1065
Zoning District: R-7A
Request: HVAC Installation.
- 3) **Application Number:** 2023 - 1046
Applicant: Gearhart Investments, LLC
Location: 113 E. Dover Street
Tax Map 104, Grid 0EA, Parcel 1191
Zoning District: CB
Request: Roof Replacement.
- 4) **Application Number:** 2023 - 1047
Applicant: Treasa Kirby Lednum
Location: 633 Goldsborough Street
Tax Map 103, Grid 000, Parcel 0777
Zoning District: R-7A
Request: Porch Renovation
- 5) **Application Number:** 2023 - 1031
Applicant: Michael and Meghan Stuart

Location:

122 Goldsborough Street
Tax Map 103, Grid 0EA, Parcel 1138

Zoning District:

R-7A

Request:

Gutter Replacement.

Old Business

- 1) **Application Number:** 2023 - 996
Applicant: Shoregate of Cannery Commercial LLC
Location: 108 East Avenue
Tax Map 103, Grid 0EA, Parcel 0753
Zoning District: BC
Request: Meeting 2 of 2 for Demolition

Discussion Item

Approval of Minutes.

- 1) Approval of the Draft Decision Summary from the September 25, 2023 meeting.

Administrative Approval

Consent Docket

Adjournment.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

Historic District Commission Staff Report

Meeting Date: 10/9/2023

Staff Contact: Nicholas Johnson, Planner, njohnson@eastonmd.gov

Property Address: 414 August Street

Application Number: 2023-1042

Request: HVAC

Staff Recommendation: Approve ☒ Deny ☐ Table ☐

Staff Comments:

The applicant is proposing to install a new HVAC system using mini splits, on the side of the existing structure. Two units will be installed on the side of the structure with associated ducts running to the first and second floors.

Historic District Guidelines:

Guideline 48: HVAC

d. Place equipment on non-visible rooftop locations, in the rear of buildings, or in other locations that are not visible from the street.

Analysis – Given that three of the proposed units are located on a side façade visible from the street, screening may be needed. The housing will also be visible from the street and should be painted to match the existing siding.

RECOMMENDED CONDITION

1. The units shall be screened from view using native plantings and the housing shall be painted to match the existing siding before the associated building permit is closed.

STAFF RECOMMENDATION:

Staff supports a HDC **approval** of this application with conditions. The condition will need to tie the required screening to the associated building permit because the HVAC contractors are generally not responsible for installing the required screening. With a condition worded this way,



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

the contractor cannot finalize their permit with the Town's Building Department until the homeowner has completed the required screening and painting.

DRAFT MOTIONS:

1. I move that the Historic District Commission **approve** the application with the recommended conditions

OR

2. I move that the Historic District Commission deny the application based on the following findings...

OR

3. I move an alternate motion.



TOWN OF EASTON
PLANNING & ZONING
14 S Harrison Street, Easton MD 21601

EASTON HISTORIC DISTRICT SURVEY

PROPERTY #:

Picture:



TAX ID		ADDRESS		OWNER NAME			
2101012770		414 AUGUST ST		BRADLEY KIT M SR AND			
YEAR BUILT		PHYSICAL CONDITION					
1900		VERY GOOD					
ARCHITECTURAL STYLE				ADDITION(S)			
NATIONAL FOLK				NONE			
NHL DISTRICT	NR DISTRICT	NR LISTED	MEETS NR CRITERIA	1980 NR RATING	MD INVENTORY	CONTRIBUTING	NC CODE
				B		Y	
NOTES							
1 OF 5 SIMILAR HOUSE ONLY 2 OF WHICH HAVE DECORATIVE SHINGLES IN FRONT GABLE. ORIGINAL FRONT DOOR; REPLACEMENT WINDOWS; REBUILT PORCH; VINYL SIDING. HISTORIC OUTBUILDING.							

RECEIVED

SEP 22 2023



TOWN OF EASTON
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MD 21601

TOWN OF EASTON

Application #:	2023-1042
Date Received:	09/22/2023
Fee Paid:	\$75.00
HDC Meeting Date:	10/09/2023
Date Property Posted:	10/02/2023

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE
(PLEASE CIRCLE)

ROOFING

DEMOLITION

SIGNAGE

FENCING

OTHER

HVAC

NEW CONSTRUCTION/ADDITION

EXTERIOR ALTERATIONS

FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS

414 AUGUST STREET EASTON MD 21601

☐ Contributing

☐ Non-Contributing

YEAR BUILT:

NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME

MAURIE PHADLEY

TELEPHONE NO.

(410) 252-8227

EMAIL

Applicant or Agent

NAME

RAY PRUTSCHAK SHAW'S INC.

TELEPHONE NO.

(443) 786-0127

EMAIL

ray.pnutschak@shawsgar.com

Description of Proposal (include additional sheets, as necessary)

INSTALLATION OF (2) MITSUBISHI DUCTLESS HEAT PUMPS
REGISTRATION LINE SETS ENCLOSED IN LINE HIDE

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

Ray Pnutschak

9/21/23

RAY PRUTSCHAK SHAW'S INC

Revised 4.4.2022



Historic District Commission Application Checklist

Revised December 2022

Please complete the section that applies to your application. If a checklist item is not included or is non-applicable, please provide information supporting its omission for the Commission's consideration.

Requirements:

The payment of fees is due at the time of application submittal. As of December, 2022, the fees are as follows:

Commercial - \$200, Residential - \$75, Signs - \$75, Staff Approval - \$25.

The application submitted shall include 2 copies plus 1 digital.

All Applications to Include:

- ☒ A narrative fully explaining the request
- ☒ Photographs of all existing conditions and that will be affected by the proposed project
- ☒ Description of all existing materials and a listing of all materials to be used for proposed project.
- ☒ Manufacturer cut-sheets and material specifications related to all proposed work.
- ☒ Any available and applicable historical photographs, sketches or other documentary evidence illustrating previous conditions and configurations of the building(s)

New Construction / Addition

- ☐ Dimensioned elevations drawn to an appropriate scale illustrating all sides of the proposed structure. Drawings shall include notations outlining roof pitches, trim details and the type of windows and doors to be used for the project
- ☐ Site plan drawn to an appropriate scale and including setbacks and neighboring structures. Site Plan should illustrate the footprint(s) of all proposed EXISTING AND PROPOSED construction.
- ☐ Construction schedule
- ☐ For new construction only, the Commission will require a three-dimensional rendering, superimposed photo, silhouette or model of the proposed structure, other structure(s) located on the subject property and neighboring structures when necessary to understand the visual impact of the new construction and its compliance with the Guidelines.

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - Windows
 - Doors
 - Trim, fascia, soffit, etc
 - Decking/ porch flooring materials
 - Roofing Materials, gutters

Windows

Restoration of existing windows is the Commissions first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ☐ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☐ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Materials for the windows must be clearly identified on the cut sheet
- ☐ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☐ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☐ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details

Landscaping & Trees

- ☐ Landscape plan where existing and proposed landscape features to be installed/planted, removed and/or relocated are identified including the location and species of existing and new trees

Fence

- ☐ Application must Include:
 - A Site plan :
 - Drawn to scale
 - Show and label the location of new and any existing fence. (this can be completed on two separate site plans for clarity)
 - Include location of neighboring structures
 - Identify height of proposed fence, location of gates and other openings
 - If the height or style of fence changes based on location, this must be clearly identified.
 - Proposed fence style and material
 - Include photograph, manufacturer cut-sheet of the fence, or detailed sketch of proposed fence.
 - other relevant construction and or material detail

Demolition

The Historic District Commission (HDC) reserves the right to request a professional inspection of the structure(s). Said request may include evaluation by a historic preservation specialist.

- ☐ Elevations and photographic documentation of all elevations of the structure(s) to be demolished including footprint dimensions, height dimensions and a site plan illustrating location of the structure(s) to be demolished
- ☐ Structural Analysis by Structural Engineer or Licensed Architect
- ☐ For Economic Hardship please provide documentation. Reference Guideline 13.9
- ☐ Attach replacement plan

Other

- ☐ Attach all documentation supporting request

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled HDC meeting, the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

This checklist shall be submitted along with the completed Historic District Commission Application and all additional supporting information.





SLIMDUCT® LINESET COVERS

Continued

SlimDuct® Quick Installations

Application. Slimduct® is perfect for mini-splits, high velocity and conventional ducted split air conditioning systems.

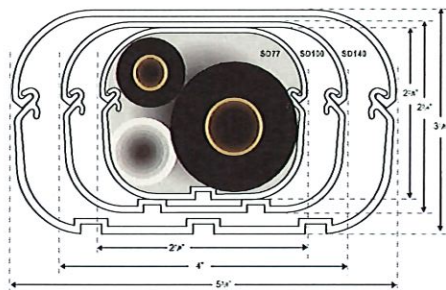
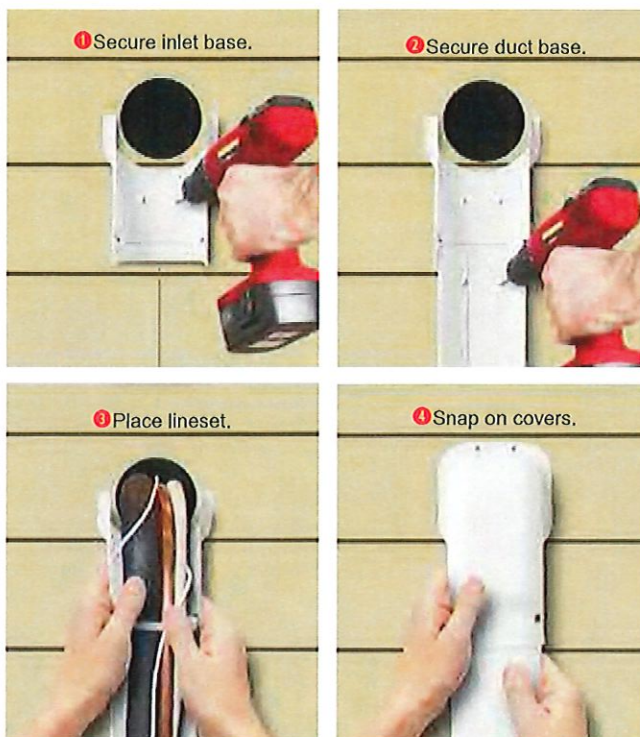
Strong. Slimduct® ducting is extruded with our special formula rigid polyvinyl chloride. Slimduct is UV, weather & fire resistant, with a temperature range from -4°F to 140°F. The result is a long lasting quality product that will remain attractive and provide protection for many years.

Protective. Slimduct® protects lineset, wiring and drain hose from weather, vandalism, pet and pest damage.

Easy to install. Slimduct® installs quickly, and can be easily accessed for repairs or replacement of the lineset.

Stylish. Slimduct® offers three duct sizes. Each size is available in three neutral colors - white, ivory, and brown. Slimduct colors are designed to compliment any natural stone, brick, wood, stucco, vinyl or painted facade, and can be used for both residential or commercial installations.

Functional & Professional Appearance



Technical Information

Weather Resistance

Weather resistant PVC, UV stabilized & fire resistant. Tested to over 2,000 hours.

Temperature Range

-4°F to 140°F

SlimDuct® Options

3 Colors for Residential & Commercial Applications



Size Specifications - Choose duct size SD77, SD100 or SD140.

Submittal Data: MXZ-3C30NAHZ3-U1
Multi-Split Cold Climate Air Source Heat Pump System

Job Name: MAKIE BRADLEY Location: 414 AUGUST STREET EASTON MD 21601
Purchaser: SHAW'S INC. Submitted By: KARL MURSCHALL ray.plutcha@shawscan.com
Submitted To: Reference: ☐ Approval: ☐ Construction: ☐
Engineer: Date: 9/20/23 Application:



FIRST FLOOR

Images provided for reference purposes only

- Variable speed INVERTER-driven compressor
- M-NET connection optional through outdoor unit (Part # listed below)
- Quiet outdoor unit operation as low as 54 dB(A)
- High pressure switch for additional protection
- Built-in base pan heater

Performance:			Non-Ducted	Mixed	Ducted
Cooling at 95°F ¹	Rated Capacity	Btu/h	28,400	27,800	27,400
	Capacity Range	Btu/h	12,600 - 23,600	12,600 - 23,600	12,600 - 23,600
	Rated Power Input	W	2,272	2,467	2,661
	Power Input Range	W	530 - 3,770	530 - 3,770	530 - 3,770
	Moisture Removal	pints/h	NA	NA	NA
	Sensible Heat Factor		NA	NA	NA
Heating at 47°F ²	Rated Capacity	Btu/h	28,600	28,000	27,600
	Capacity Range	Btu/h	11,400 - 36,000	11,400 - 30,600	11,400 - 30,600
	Rated Power Input	W	2,096	2,142	2,187
	Power Input Range	W	850 - 4,540	850 - 4,540	850 - 4,540
Heating at 17°F ³	Maximum Capacity	Btu/h	28,600	28,100	27,600
	Rated Capacity	Btu/h	18,000	17,200	16,500
	Capacity Range	Btu/h	13,600 - 28,600	13,600 - 28,100	13,600 - 27,600
	Maximum Power Input	W	4,192	4,223	4,258
	Rated Power Input	W	1,990	1,992	1,993
	Power Input Range	W	1,410 - 4,192	1,530 - 4,223	1,650 - 4,258
Heating at 5°F ⁴	Maximum Capacity	Btu/h	28,600	28,100	27,600
	Maximum Power Input	W	4,290	4,495	4,700
Heating at -13°F ⁵	Maximum Capacity	Btu/h	25,200	NA	24,300
	Maximum Power Input	W	4,430	NA	4,700
Efficiency:			Non-Ducted	Mixed	Ducted
SEER			18.00	17.00	16.00
EER ¹			12.50	11.40	10.30
HSPF (IV)			11.00	10.40	9.80
COP at 47°F ²	Rated Capacity		4.00	3.85	3.70
	Maximum Capacity		2.00	1.95	1.90
COP at 17°F ³	Rated Capacity		1.95	1.91	1.72
	Maximum Capacity				

Outdoor Operating Temperature Range:

Cooling Operation Air Temp (Maximum / Minimum)* (Comfort cooling only applications)	°F (°C)	* 115 to 14 (46 to -10)
Cooling Operation Thermal Lock-out / Re-start Temperatures	°F (°C)	10.4 / 14 (-12 / -10)
Heating Operation Air Temp (Maximum / Minimum)	°F (°C)	65 to -13 (18 to -25)
Heating Operation Thermal Lock-out / Re-start Temperatures	°F (°C)	-18 / -14 (-28 / -26)

AHRI Rated Conditions (Rated data is determined at a fixed compressor speed) (* Windscreens required for cooling operations below 23°F (-5°C))

¹Cooling (Indoor // Outdoor) 80°F (26.6°C) DB, 67°F (19.4°C) WB // 95°F (35°C) DB, 75°F (23.9°C) WB

²Heating at 47°F (8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 47°F (8.3°C) DB, 43°F (6.1°C) WB

³Heating at 17°F (-8.3°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 17°F (-8.3°C) DB, 15°F (-9.4°C) WB

Rated conditions:

⁴Heating at 5°F (-15°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // 5°F (-15°C) DB, 4°F (-15.6°C) WB

⁵Heating at -13°F (-25°C) (Indoor // Outdoor) 70°F (21.1°C) DB, 60°F (15.6°C) WB // -13°F (-25°C) DB, -15°F (-26.1°C) WB

Note:

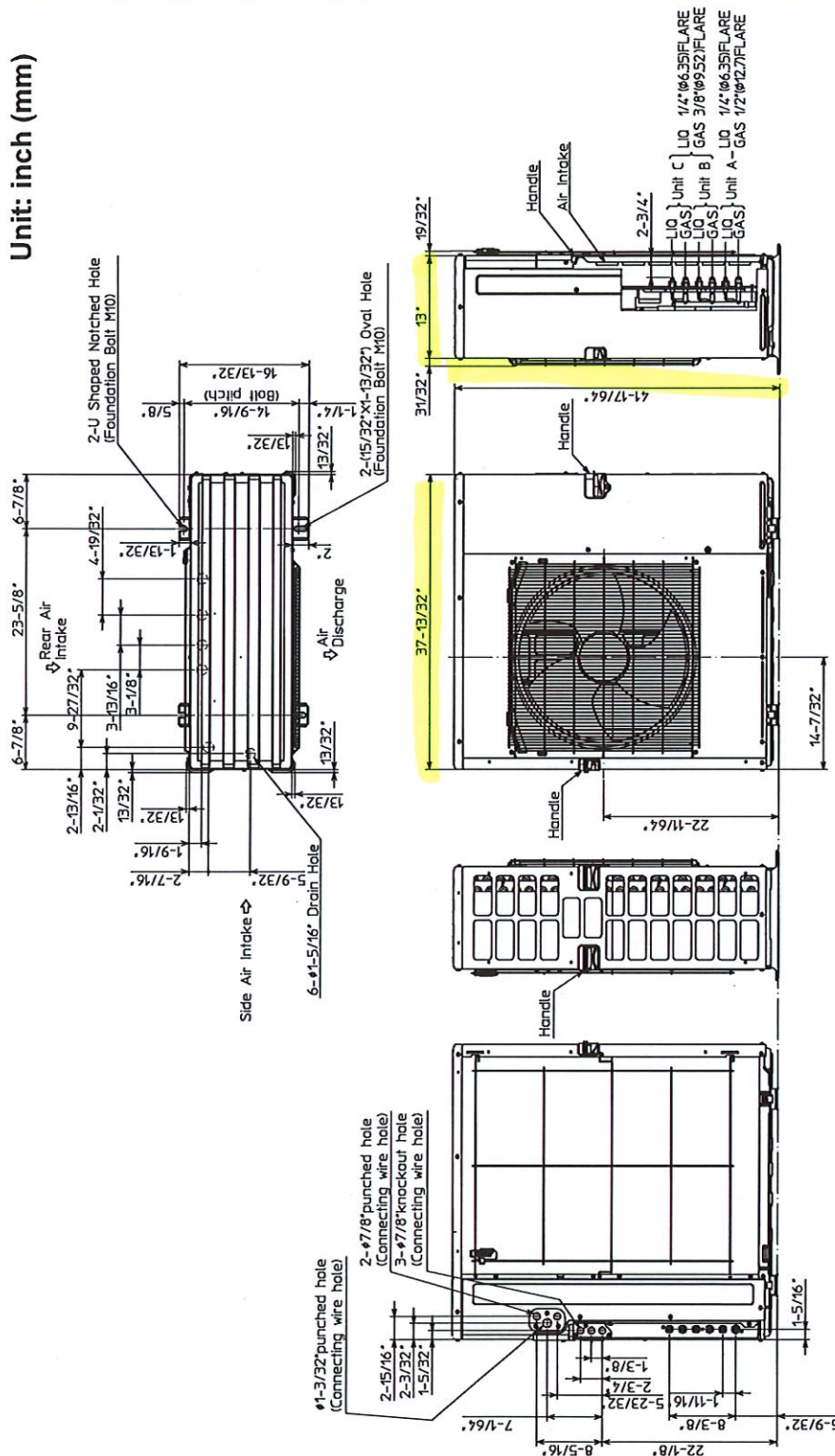
1. Mitsubishi Electric Sales Canada Inc. (MESCA) supports the use of only MESCA supplied and approved components and accessories for proper functioning of the unit(s). Use of non - MESCA supported components and accessories will affect warranty coverage. MESCA recommends (A) consideration of all applicable design and application parameters and requirements specific to any project.

2. Should any person change this document in any manner whatsoever without MESCA's written permission, the document shall be of no force and effect and any change shall be deemed to be a representation and warranty made by that person and not MESCA. That person, and not MESCA, shall assume full responsibility for the consequences of such changes. MESCA assumes no responsibility for any consequences in such cases.

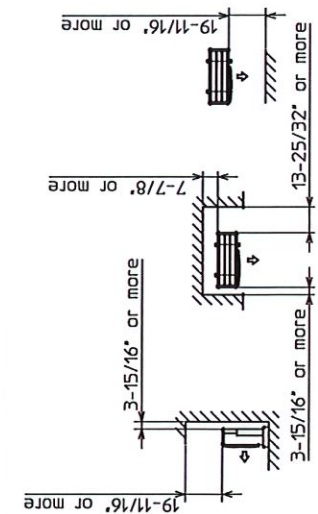
Notes:

Outdoor Unit Outline and Dimensions:

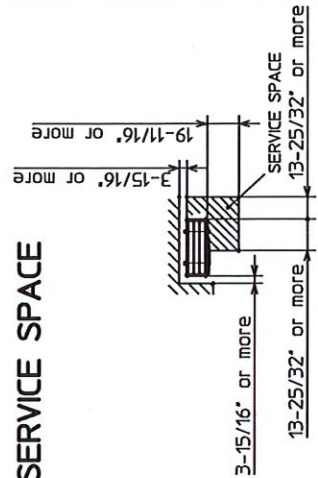
Unit: inch (mm)



1.FREE SPACE



2.SERVICE SPACE



MXZ-3C24NAHZ4 2-TON MULTI-ZONE INVERTER HEAT-PUMP SYSTEM

Job Name:

System Reference:

SECOND FLOOR

Date:

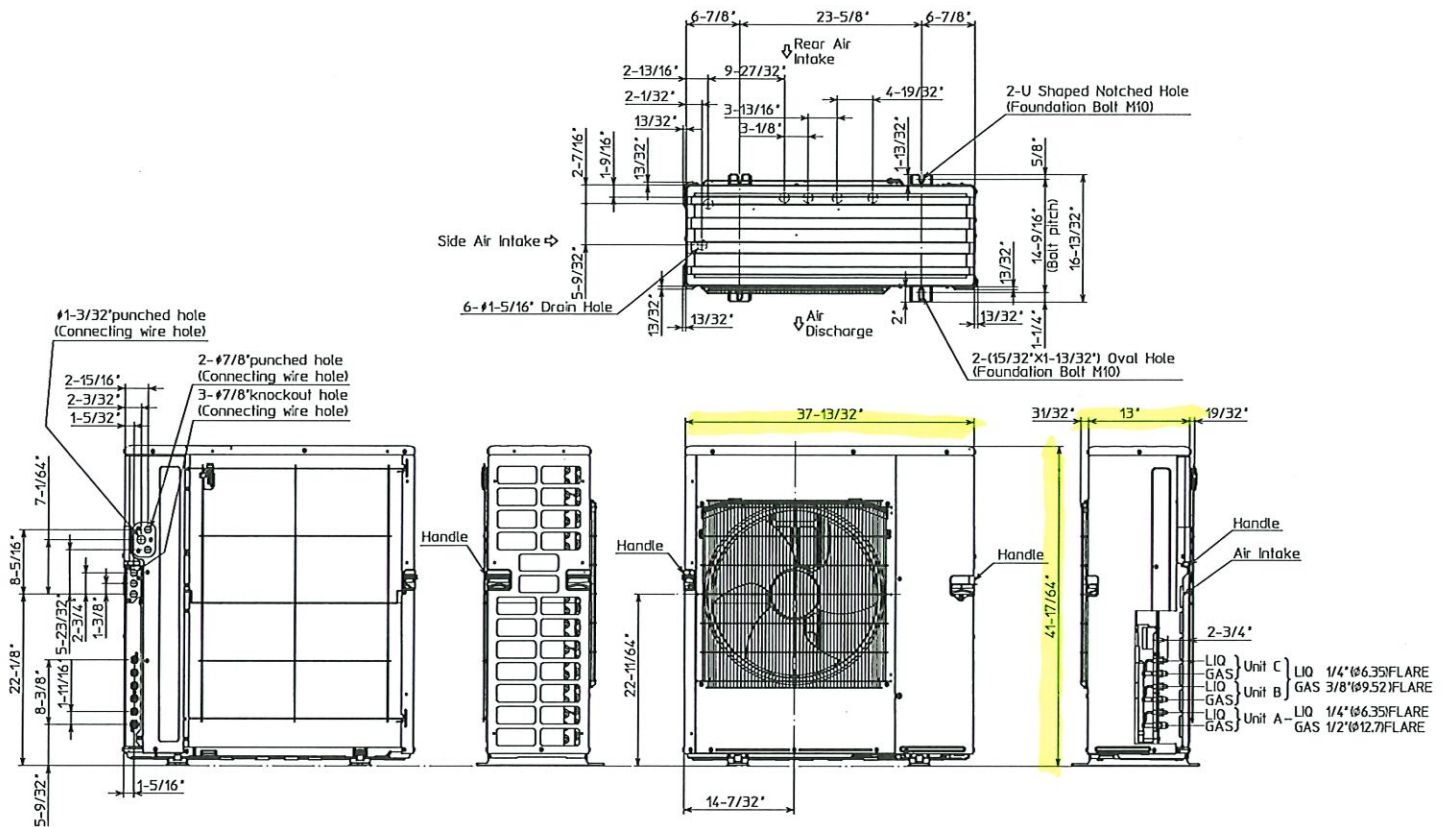


FEATURES

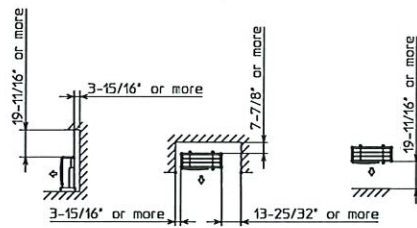
- Variable speed INVERTER-driven compressor
- Built-in base pan heater
- Quiet outdoor unit operation as low as 54 dB(A)
- High-pressure protection
- Compressor thermal protection
- Compressor overcurrent detection
- Fan motor overheating/voltage protection
- Hyper-heating performance offers 100% heating capacity at 5°F and 90% heating capacity at -13°F
- Blue Fin anti-corrosion treatment applied to the outdoor unit heat exchanger for increased coil protection and longer life
 - Rated for 2,000 hours spraying time per ASTM B117 Standard

OUTDOOR UNIT DIMENSIONS: MXZ-3C24NAHZ4

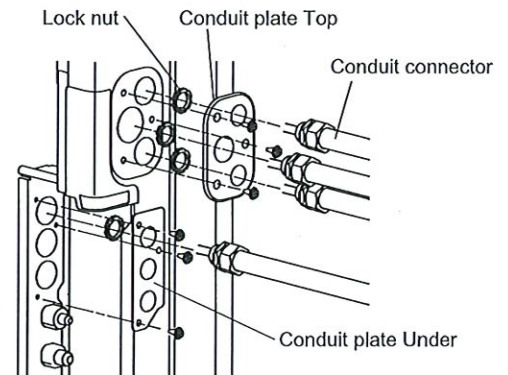
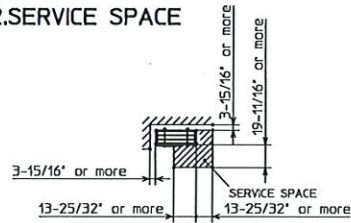
Unit: inch (mm)



1.FREE SPACE



2.SERVICE SPACE



1340 Satellite Boulevard Suwanee, GA 30024
Toll Free: 800-433-4822 www.mehvac.com

FORM# MXZ-3C24NAHZ4 - 202307





**Town of Easton Historic District Commission
Draft Decision Summary**

Monday, October 23, 2023 at 6:00 p.m.

Town Hall Chamber 2
14 S. Harrison Street, Easton

Archived video of the meeting is available at:

[Town of Easton Agenda and Minutes](https://www.eastonmd.gov/Agenda/minutes)
[\(eastonmd.gov\)](https://www.eastonmd.gov/)

Attendance:

Commission Members:

Ernest Demby, Chairperson
Maria Brophy, Vice Chairperson
Kevin Bateman
Kelly Pezor
Michael Stuart

Staff:

Nicholas Johnson, Town Planner - Current
Samantha Smith, Administrative Specialist

Absent:

Commission Members:

Dudley Greer

Staff:

Miguel Salinas, Planning and Zoning Director

1. Call to Order — Chairperson Demby called the meeting to order at 6:01 pm.

2. Agenda Summary Review —

Vice Chairperson Brophy moved to approve the October 23, 2023 Agenda Summary. Commissioner Bateman seconded the motion.

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0
ABSENT:	1 - Greer

3. Old Business —

a. File No.: 2023 - 995
Applicant: Gant & Associates
Location: 31 S. Aurora Street, Easton, MD 21601

Zoning: Tax Map 104, Grid 000, Parcel 1563
R-7A

Request: The applicant is proposing to remove the existing asbestos siding, and to restore the original lap siding in-kind. On August 14, 2023, this application received HDC approval for in-kind repairs and construction on a new second story addition on the rear portion of the structure after being condemned by the Town in 2015 and 2021. This is a contributing building to the Historic District.

Historic District Guideline references:

- i. *Guideline 76. Preserve Historic Wood Siding*
- ii. *Guideline 77. Make Sensitive Replacements*

Staff Presentation:

Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation — None

Public Comment — None

Commissioner Pezor moved to approve the application as submitted. Commissioner Stuart seconded the motion.

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0
ABSENT:	1 - Greer

b. File No.: 2023 - 920
Applicant: Andrew Becker
Location: 205 Talbot Street, Easton, MD 21601
Tax Map 104, Grid 0EA, Parcel 1905
Zoning: R-7A

Request: On April 23, 2023 this application received HDC approval to construct a rear addition to the existing structure with the condition that parging shall be done to the two new block foundations. Upon a Building Department inspection, it was determined that the foundation was constructed with brick veneer instead. The Commission must now determine whether the brick veneer foundation can remain as installed. This is a contributing building to the Historic District.

Historic District Guideline references:

- i. *Guideline 100. Rear Additions*

Staff Presentation:

Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation — None

Public Comment — None

**Vice Chairperson Brophy moved to approve the amended application.
Commissioner Pezor seconded the motion.**

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0
ABSENT:	1 - Greer

- c. File No.: 2023 - 1030**
Applicant: Walbridge Real Estate Investments LLC
Location: 412 North Street, Easton, MD 21601
Tax Map 103, Grid 0EA, Parcel 733
Zoning: R-7A

Request: On September 7, 2023 the Building Inspection Department issued a stop work order after it was discovered that the existing wooden windows were being removed and replaced with vinyl windows without a building permit or a Historic District certificate of appropriateness. The applicant is now proposing to replace seven (7) existing wooden windows with fiberglass-clad windows on the eastern side of the structure. The applicant is also proposing to shift the third story gable end window 18” toward North Street. This is a non contributing building to the Historic District.

Historic District Guideline references:

- i. Guideline 90. Make Sensitive Replacements*

Staff Presentation:

Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation — None

Public Comment — None

Commissioner Bateman moved to table the application pending the submission of a window cut sheet, and further detail on the proposed relocation of the third story window. Commissioner Pezor seconded the motion.

Vote 5 - 0 - 1
FOR: 5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST: 0
ABSTAIN: 0
ABSENT: 1 - Greer

- d. **File No.:** 2023 - 1022
Applicant: Scott Reynolds
Location: 610 Goldsborough Street, Easton, MD 21601
Tax Map 103, Grid 0EA, Parcel 0958
Zoning: R-7A

Request: The applicant is proposing to amend a previously approved fence application to include the construction of a wooden kennel structure and an outdoor dog run. On September 11, 2023, the Commission granted a certificate of appropriateness for the construction of a six (6) foot high wooden privacy fence. On September 15th, the Building Inspection Department issued a second stop work order after it was discovered that the kennel structure was being constructed within the fence without the proper approvals. The 12' x 12' kennel is attached to the fence and wooden frame constructed against the existing structure. The kennel structure is approximately three (3) feet taller than the fence, and reaches the eave line of the existing structure. This is a non contributing building to the Historic District.

Outstanding Issue:

1. *The proposed kennel violates the Zoning Ordinance's minimum setback requirements for kennels found in §28-1007.1.11(a) which states, "Kennels shall meet the side setback requirement and shall be setback a minimum of eight feet from the rear property line." The proposed kennel is located approximately one foot from the side property line and violates the required 8-foot side setback. In order for the kennel to remain in this location, a setback variance would first need to be granted by the Board of Zoning Appeals.*

Historic District Guideline references:

- i. *Guideline 11. Erect New Outbuildings Sensitive*

Staff Presentation:

Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation:

Scott Reynolds

Public Comment — None

Vice Chairperson Brophy moved to table the application pending the submission of elevations, drawings and material specifications for the exterior structure. Commissioner Bateman seconded the motion.

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0
ABSENT:	1 - Greer

4. New Business —

a. File No.: 2023 - 1041
Applicant: Richard Marks
Location: 107 & 109 S. Washington Street, Easton, MD 21601
Tax Map 104, Grid 000, Parcel 1985
Zoning: CB

Request: The applicant is proposing to mount a 17' x 23' graphic mural using aluminum Z clips and screws inserted into wall anchors on the south façade of 109 S. Washington Street. This is a contributing building to the Historic District.

Historic District Guideline references:

i. Guideline 23. Murals

Staff Presentation:

Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation:

Richard Marks

Public Comment:

Charles Adler

Commissioner Stuart moved to approve the application as submitted. Commissioner Bateman seconded the motion.

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0

ABSENT: 1 - Greer

b. File No.: 2023 - 1049
Applicant: Hughlett Kirby
Location: 307 S. Hanson Street, Easton, MD 21601
Tax Map 105, Grid 0EA, Parcel 2264
Zoning: R-10A

Request: The applicant is proposing to install a new cobblestone paver driveway. The original scope of work included the installation of a new brick veneer on the steps leading to the sidewalk, and the installation of a new retaining wall. However, after discussion with the Town's Engineering Department, this proposal has been removed from the scope of work due to issues regarding the installation of a new structure within the Town's right-of-way. This is a contributing building to the Historic District.

Historic District Guideline references:

i. Guideline 9. New Driveways

Staff Presentation:

Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation — None

Public Comment — None

Commissioner Pezor moved to approve the application as submitted. Vice Chairperson Brophy seconded the motion.

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0
ABSENT:	1 - Greer

c. File No.: 2023 - 1057
Applicant: Ademia Ramierz - Lopez
Location: 23 S. Hanson Street, Easton, MD 21601
Tax Map 104, Grid 000, Parcel 1546
Zoning: R-7A

Request: The applicant is proposing to replace three (3) existing wooden doors with new doors that closely resemble the existing doors in design. One of the three doors is visible from the primary right-of-way, and is under a protective covering. This is a contributing building to the Historic District.

Historic District Guideline references:
i. *Guideline 42. Make Sensitive Replacements (Doors)*

Staff Presentation:
Miguel Salinas, Planning and Zoning Director
Nicholas Johnson, Planner

Applicant Presentation:
Ademia Ramierz - Lopez

Public Comment — None

**Commissioner Bateman moved to approve the application as submitted.
Commissioner Stuart seconded the motion.**

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0
ABSENT:	1 - Greer

5. Discussion Item —

- a. 204 E. Earle Avenue — Mr. and Mrs. Haschen, the owners of 204 E. Earle Avenue is seeking the Commission’s feedback for the preliminary construction of a proposed residential structure within the Historic District. The Commission discussed the general scope of the proposed project in concurrence of the new construction guidelines, and suggested the inclusion of a basic landscape plan upon submission. The Commissioners indicated that vinyl siding would not be an appropriate material, and fiberglass doors may be acceptable.

6. Decision Summary Review —

Commissioner Pezor moved to approve the October 9, 2023 Decision Summary. Vice Chairperson Brophy seconded the motion.

<u>Vote</u>	<u>5 - 0 - 1</u>
FOR:	5 - Demby, Brophy, Bateman, Pezor, Stuart
AGAINST:	0
ABSTAIN:	0

ABSENT: 1 - Greer

7. Administrative Approval — None

8. Consent Docket

a. File No.: 2023 - 1042

Applicant: Ray Plutschak Shaws Inc.

Location: 414 August Street, Easton, MD 21601

Tax Map 104, Grid 000, Parcel 1065

Zoning: R-7A

Request: Approval for an emergency replacement of a HVAC system as per the Historic District Commission Chairperson.

9. Adjournment — Commissioner Pezor moved to adjourn. Vice Chairperson Brophy seconded the motion. The meeting was adjourned at 7:02 p.m.

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OCT 24 2023
TOWN OF EASTON



TOWN OF EASTON
PLANNING AND ZONING
14 SOUTH HARRISON STREET, EASTON, MD 21601

Application #:	2023-1065
Date Received:	10/24/2023
Fee Paid:	\$25.00
HDC Meeting Date:	11/13/2023
Date Property Posted:	-

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

ROOFING DEMOLITION SIGNAGE FENCING OTHER
NEW CONSTRUCTION/ADDITION EXTERIOR ALTERATIONS
FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS: 606 Goldsborough St Easton, Md 21601
☐ Contributing ☐ Non-Contributing YEAR BUILT: 1900 NATIONAL REGISTAR #

PROPERTY INFORMATION

OWNER NAME: Kody & Leslie Cario
TELEPHONE NO.: 410-463-6219 EMAIL: cario@goeaston.net

Applicant or Agent

NAME: Andres Perez
TELEPHONE NO.: 443-521-5198 EMAIL: aperezhomeimp@outlook.com

Description of Proposal (include additional sheets, as necessary)

Re-roofing. Remove one layer of asphalt shingles and replace with GAF architecture lifetime asphalt shingles.

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of July 1, 2021, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 7 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant. If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item. Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

10/24/2023
Andres Perez

Revised 4/4/2022



VIEW 3D MODEL







Town of Easton
Planning and Zoning
14 S. Harrison Street Easton, MD 21601
410-822-1943
HISTORIC DISTRICT COMMISSION

ADMINISTRATIVE CERTIFICATE OF APPROPRIATENESS

Approval Date: November 13, 2023
Application Number: HD-23-1065
Location: 606 Goldsborough Street
Applicant: Andres Perez
Request: In-Kind Asphalt Roof Replacement

The applicant, Andres Perez, requested approval for residential improvements to a contributing structure at 606 Goldsborough Street. The request is to remove the existing asphalt shingle roof and replace in-kind. **The existing soffit, fascia, and gutters shall remain.** Given that the request complies with §28-601.E.4.d of the Town of Easton Zoning Ordinance and the Easton Historic District Design Guidelines, the application is approved as submitted.

Historic District Guideline references: 68, 69, and 70

If the scope of work changes and or the materials and methods used are contrary to that understood by the application and any supplemental information provided, the work shall not continue until such time that the Commission is notified and said differences are considered and approved by the Commission.

“A Certificate of Appropriateness shall lapse upon the expiration of the corresponding Building Permit. For applications that require a building permit but for which none is issued, this Certificate of Appropriateness shall lapse six (6) months after issuance. In the event a building permit is not required, the Certificate of Appropriateness shall lapse six (6) months from its issuance if substantial work is not underway. For good cause shown, this period may be extended by the Commission”.

Nicholas Johnson
Representative, Historic District Commission

11/13/2023
Date

RECEIVED

OCT 27 2023



TOWN OF EASTON

PLANNING AND ZONING

14 SOUTH HARRISON STREET, EASTON, MD 21601

TOWN OF EASTON

Application #: 2023-1068
Date Received: 10/27/2023
Fee Paid: \$25.00
HDC Meeting Date: 11/13/2023
Date Property Posted: -

HISTORIC DISTRICT COMMISSION HEARING APPLICATION

APPLICATION TYPE (PLEASE CIRCLE)

☐ ROOFING ☐ DEMOLITION ☐ SIGNAGE ☐ FENCING ☐ OTHER
☐ NEW CONSTRUCTION/ADDITION ☐ EXTERIOR ALTERATIONS
 FOR TREE REMOVAL(S) - PLEASE USE THE TREE REMOVAL APPLICATION

PROPERTY INFORMATION

ADDRESS 129 N. WASHINGTON STREET
☐ Contributing ☐ Non-Contributing YEAR BUILT: _____ NATIONAL REGISTAR # _____

PROPERTY INFORMATION

OWNER NAME PARKER COUNTS
 TELEPHONE NO. 410-822-1122 EMAIL _____

Applicant or Agent

NAME PERRY ATKINSON
 TELEPHONE NO. 410-699-1371 EMAIL PA-Roofing 572 Yahoo.com

Description of Proposal (include additional sheets, as necessary)

TEARING OFF EXISTING ROOF SHINGLES ASPHALT ARCHITECTURAL (1) LAYWER - INSTALL NEW CERTAINTED ARCHITECTURAL (MATCH COLOR) NEW MEMBRANE FOR WATER SHIELD. Drip Edging - ALL FACIA REMAINS SAME ALL GUTTERS REMAIN SAME - ROOF ONLY - LEAKING BAD.
--

Specific Requirements

- The payment of fees is due at the time of application submittal.
As of December 27, 2022, the fees are as follows:
Commercial - \$200 Residential - \$75 Signs - \$75 Staff Approval \$25
- Provide 2 hard copies plus 1 digital copy of the application and all supplemental information.
- Disclose any easements or deed restrictions pertaining to the property and any improvements including the details of said easements or restrictions.
- Disclose any tax credits and or grants being considered for the project.

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.
 If the applicant or their designee is not present for the scheduled meeting the Commission may elect to refrain from discussing and voting on the scheduled agenda item.
 Any modifications during review shall warrant an updated application.

I hereby certify that I have reviewed the Easton Historic District Guidelines as published

Signature of Applicant or Agent

Date

Printed Name of Applicant or Agent

<u>Perry Atkinson</u>
<u>10-26-2023</u>
<u>Perry Atkinson</u>

Revised 4.4.2022



Historic District Commission Application Checklist

Revised December 2022

Please complete the section that applies to your application. If a checklist item is not included or is non-applicable, please provide information supporting its omission for the Commission's consideration.

Requirements:

The payment of fees is due at the time of application submittal. As of December, 2022, the fees are as follows:

Commercial - \$200, Residential - \$75, Signs - \$75, Staff Approval - \$25.

The application submitted shall include 2 copies plus 1 digital.

All Applications to Include:

- ☐ A narrative fully explaining the request
- ☐ Photographs of all existing conditions and that will be affected by the proposed project
- ☐ Description of all existing materials and a listing of all materials to be used for proposed project.
- ☐ Manufacturer cut-sheets and material specifications related to all proposed work.
- ☐ Any available and applicable historical photographs, sketches or other documentary evidence illustrating previous conditions and configurations of the building(s)

New Construction / Addition

- ☐ Dimensioned elevations drawn to an appropriate scale illustrating all sides of the proposed structure. Drawings shall include notations outlining roof pitches, trim details and the type of windows and doors to be used for the project
- ☐ Site plan drawn to an appropriate scale and including setbacks and neighboring structures. Site Plan should illustrate the footprint(s) of all proposed EXISTING AND PROPOSED construction.
- ☐ Construction schedule
- ☐ For new construction only, the Commission will require a three-dimensional rendering, superimposed photo, silhouette or model of the proposed structure, other structure(s) located on the subject property and neighboring structures when necessary to understand the visual impact of the new construction and its compliance with the Guidelines.

Renovations

- ☐ Elevations or photographs of the existing conditions
- ☐ Elevation of the proposed changes
- ☐ Cut sheet for all proposed materials – Be sure to include all of the following that apply and any other additional materials:
 - ☐ Windows
 - ☐ Doors
 - ☐ Trim, fascia, soffit, etc
 - ☐ Decking/ porch flooring materials
 - ☐ Roofing Materials, gutters

Windows

Restoration of existing windows is the Commissions first choice. However, the Commission recognizes it may not always be practical to replace windows. For contributing buildings the front façade and any other façade facing a primary right of way are required to be wood windows. Aluminum, or fiberglass clad wood windows may be approved by the Commission on side or rear façades of contributing buildings. For non-contributing buildings clad wood windows will be considered on all elevations. Note: National Register Buildings are held to the highest of standards.

- ☐ Photograph or scaled elevation of all elevations of the building with each window that is to be replaced clearly labeled.
- ☐ Manufacturers cut sheet for each window to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Materials for the windows must be clearly identified on the cut sheet
- ☐ Please note if existing trim/shutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Roofing

Note: National Register Buildings are held to the highest of standards.

- ☐ Photographs or scaled elevations showing the existing roofing material to be replaced.
- ☐ Manufacturers cut sheet for each type of roofing to be replaced. Clearly labeled where it will be installed on the building.
- ☐ Please note if existing trim, fascia, soffit, or gutters are to remain or if new are to be installed, please include list of all new materials and cut sheets.

Signs

- ☐ Dimensioned scale drawings of the sign. Identify all materials to be used, color(s), lettering (including size and font style) and wording
- ☐ Photograph depicting the proposed location for the signage
- ☐ Lighting detail
- ☐ Construction and or mounting details

Landscaping & Trees

- ☐ Landscape plan where existing and proposed landscape features to be installed/planted, removed and/or relocated are identified including the location and species of existing and new trees

Fence

- ☐ Application must Include:
 - A Site plan :
 - Drawn to scale
 - Show and label the location of new and any existing fence. (this can be completed on two separate site plans for clarity)
 - Include location of neighboring structures
 - Identify height of proposed fence, location of gates and other openings
 - If the height or style of fence changes based on location, this must be clearly identified.
 - Proposed fence style and material
 - Include photograph, manufacturer cut-sheet of the fence, or detailed sketch of proposed fence.
 - other relevant construction and or material detail

Demolition

The Historic District Commission (HDC) reserves the right to request a professional inspection of the structure(s). Said request may include evaluation by a historic preservation specialist.

- ☐ Elevations and photographic documentation of all elevations of the structure(s) to be demolished including footprint dimensions, height dimensions and a site plan illustrating location of the structure(s) to be demolished
- ☐ Structural Analysis by Structural Engineer or Licensed Architect
- ☐ For Economic Hardship please provide documentation. Reference Guideline 13.9
- ☐ Attach replacement plan

Other

- ☐ Attach all documentation supporting request

The Historic District Commission (HDC) reserves the right to request reasonable additional information or design drawings that further clarify proposals. In cases where professional design services are warranted, the HDC may require the applicant to retain a licensed design consultant.

If the applicant or their designee is not present for the scheduled HDC meeting, the Commission may elect to refrain from discussing and voting on the scheduled agenda item.

This checklist shall be submitted along with the completed Historic District Commission Application and all additional supporting information.



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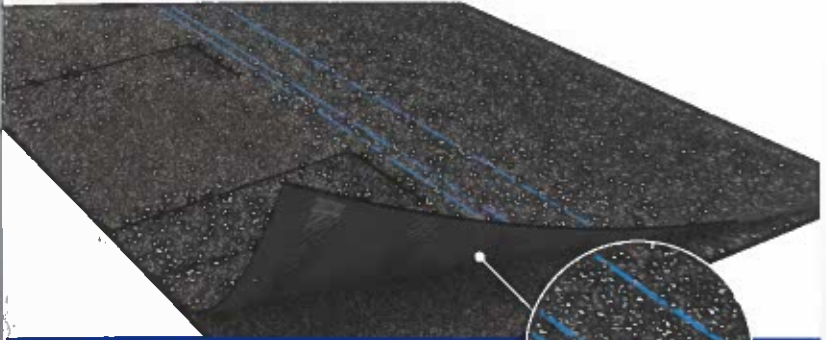


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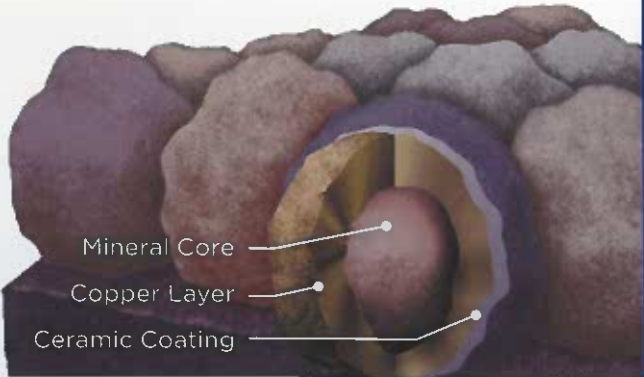
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- Includes a dedicated nailing area for extreme steep-slope applications.
- Trusted performance for over 15 years

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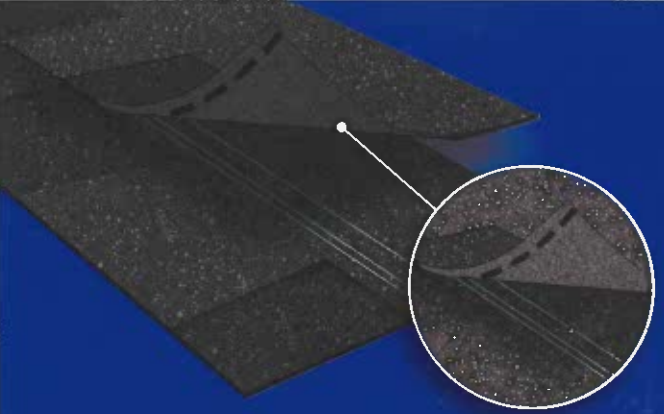
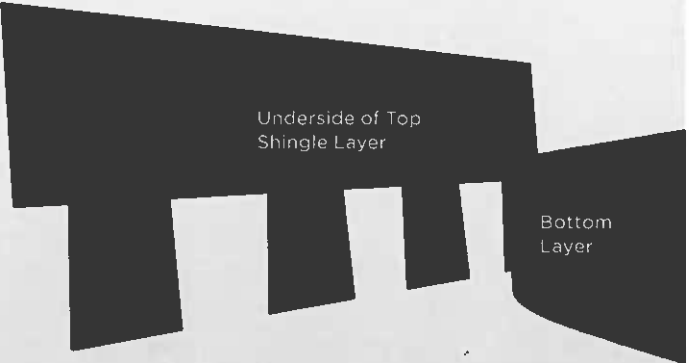
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- Industry-leading algae-resistance warranty
- Uses natural anti-algae properties of copper-containing surface granules
- Standard on all CertainTeed asphalt shingles sold in areas where algae growth is prevalent



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- Designed to be fast activating after installation, providing effective protection from wind and weather
- Pliable adhesive allows for structural movement from temperature and weather changes without compromising seal

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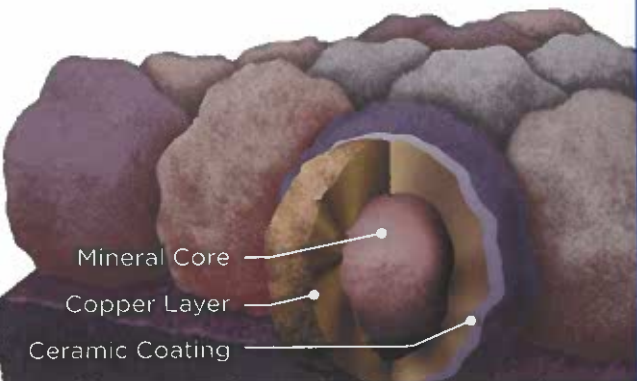
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- Bright lines provide a clear nailing area in any environment and lighting
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StreakFighter®

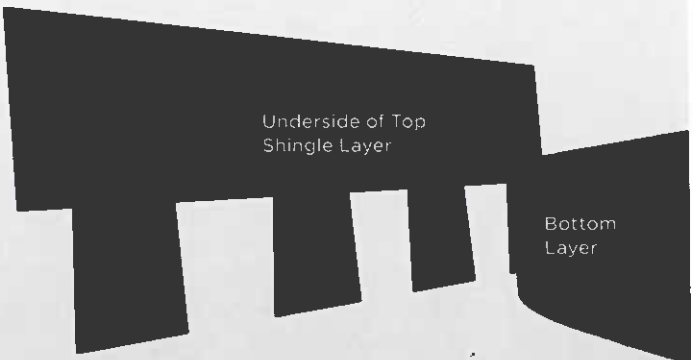
- Reliable, long-term protection from algae formation
- Helps maintain your roof's natural beauty with innovative algae-fighting technology
- Industry-leading algae-resistance warranty
- Uses natural anti-algae properties of copper-containing surface granules
- Standard on all CertainTeed asphalt shingles sold in areas where algae growth is prevalent



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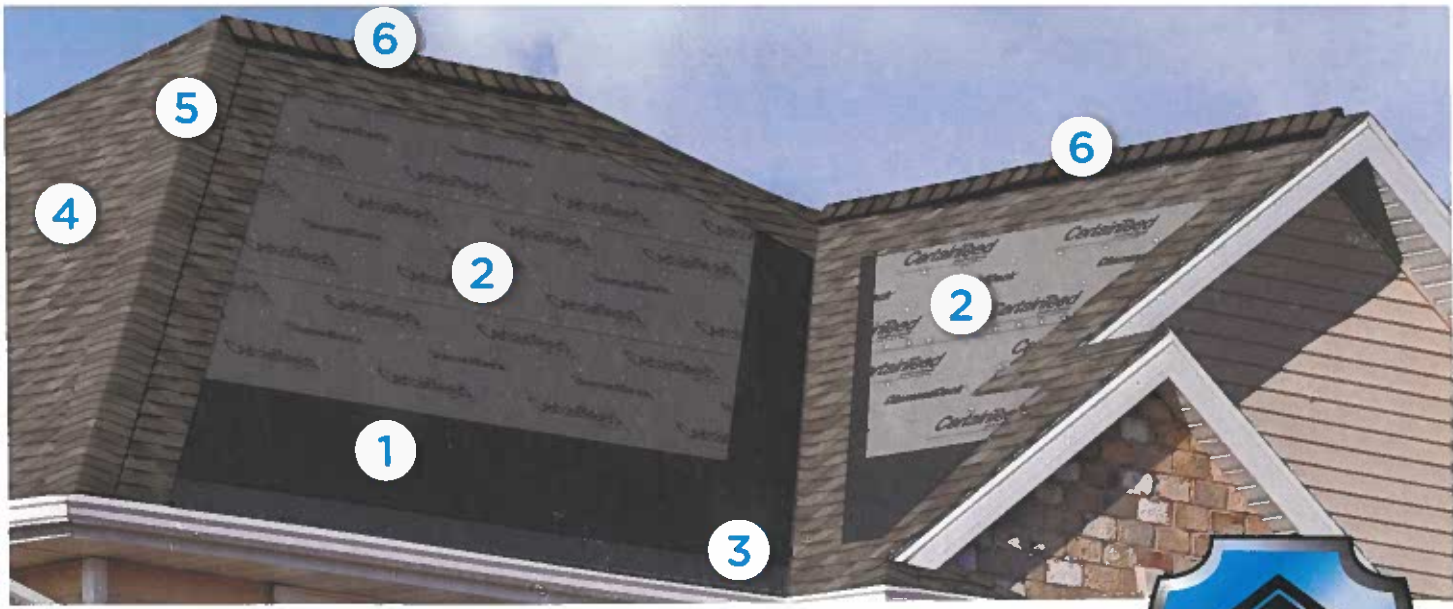
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- Designed to be fast activating after installation, providing effective protection from wind and weather
- Pliable adhesive allows for structural movement from temperature and weather changes without compromising seal



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The first step in your defense against the elements. Self-adhering underlayment is installed at vulnerable areas of your roof to help prevent leaks from wind-driven rain and ice dams.
- 2 WATER-RESISTANT UNDERLAYMENT**
Provides a protective layer over the roof decks and acts as a secondary barrier against leaks.
- 3 STARTER SHINGLES**
Starter shingles are the first course of shingles that are installed and designed to work in tandem with the roof shingles above for optimal shingle sealing and performance.
- 4 SHINGLES**
Choose from a variety of Good-Better-Best styles to complement any roof design and fit your budget.
- 5 HIP & RIDGE CAPS**
Available in numerous profiles, these accessories are used on the roof's hip and ridge lines for a distinctive finishing touch to your new roof.
- 6 VENTILATION**
A roof that breathes is shown to perform better and last longer. Ridge vents, in combination with intake vents, allow air to flow on the underside of your roof deck, keeping the attic cooler in the summer and drier in the winter.

Because of their size, the swatches on this sample cannot accurately depict the color, clarity and variation of our actual blends. Before you buy, ask to see a full shingle. All colors may not be available. Consult your CertainTeed dealer for color availability.

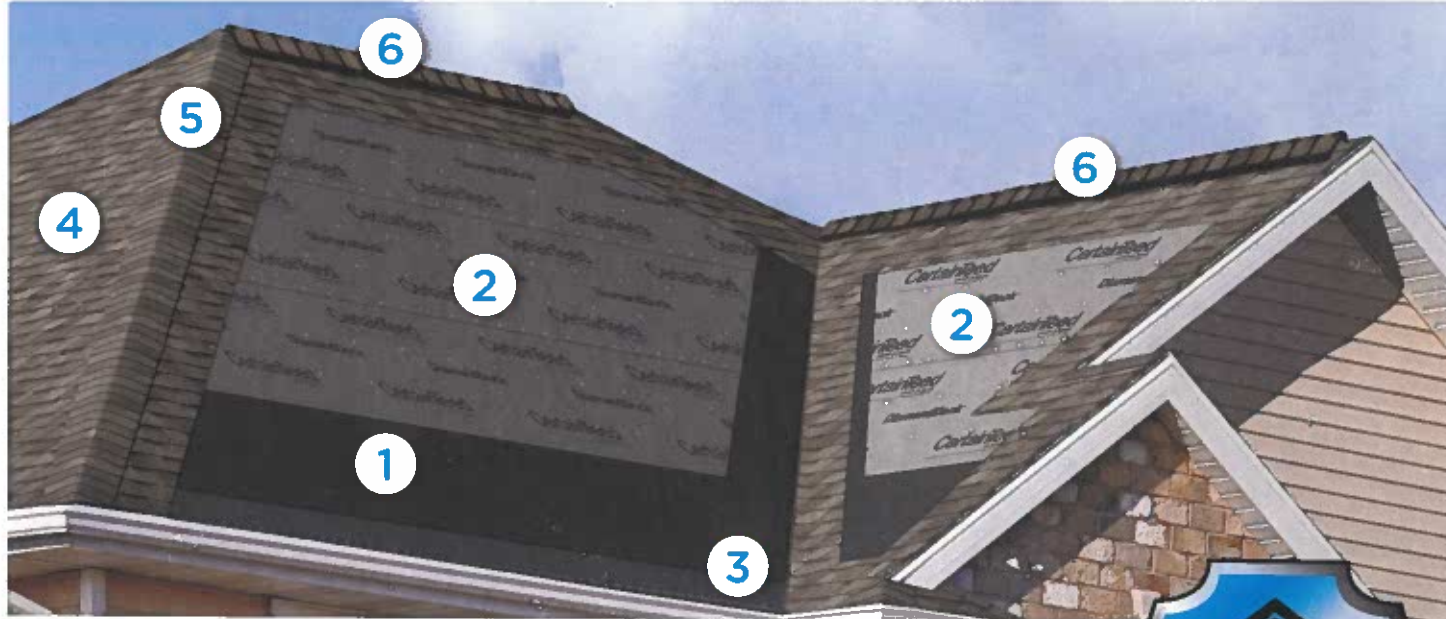


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WATERPROOFING UNDERLAYMENT

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2

WATER-RESISTANT UNDERLAYMENT

Provides a protective layer over the roof decks and acts as a secondary barrier against leaks.

3

STARTER SHINGLES

Starter shingles are the first course of shingles that are installed and designed to work in tandem with the roof shingles above for optimal shingle sealing and performance.

4

SHINGLES

Choose from a variety of Good-Better-Best styles to complement any roof design and fit your budget.

5

HIP & RIDGE CAPS

Available in numerous profiles, these accessories are used on the roof's hip and ridge lines for a distinctive finishing touch to your new roof.

6

VENTILATION

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Because of their size, the swatches on this sample cannot accurately depict the color, clarity and variation of our actual blends. Before you buy, ask to see a full shingle. All colors may not be available. Consult your CertainTeed dealer for color availability.



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