

January 25, 2021

Mr. Jason Jones
3701 Lincoln, LLC
Tekton Development, Robertson Brothers Homes, & Civic Development
440 Burroughs St.
Suite #125
Detroit, MI 48202

Re: 3700 Trumbull, 3701 Lincoln, and other related parcels

Dear Mr. Jones:

Thank you for discussing your proposed development with me on January 11, 2021. As per your request, I am writing this letter to acknowledge your communication and engagement with me as a homeowner and community member within the Woodbridge Community. I own the land located at 3606 Lincoln which is located directly across the street from your proposed development located at 3700 Trumbull and 3701 Lincoln.

Based on your presentation, materials, and description of your project, I can attest to the following:

- Jason Jones has been accessible and available to discuss his project.
- He has presented his site plan, architectural elevations, renderings, and project timing.
- I am in full support of his project, its fit within the neighborhood, and I am excited to see it come to fruition.
- I especially like the proposed green space and I believe it will be a benefit to the community.
- I also believe that the potential for an element of retail and/or community amenity would be an asset to our community.
- I support the developments teams use and reconstruction of the existing alley into a walkable alley
- I understand that the proposed development may require some small dimensional variances, and I am in support of variances required to yield the project vision that was shared with me.
- I understand that the proposed development is within the Woodbridge Farm Historic District and will require Historic District Commission approval. I am in support of the project and its vision.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alex Pereira', with a long horizontal flourish extending to the right.

Alex Pereira

January 14, 2021

Detroit City Council
Detroit Historic District Commission
Detroit Board of Zoning Appeals
Coleman A. Young Municipal Center
2 Woodward Avenue, Suite 1340
Detroit, Michigan 48226

Detroit Brownfield Redevelopment Authority
500 Griswold Street, Suite 2200
Detroit, MI 48226

Dear City Council Members, Historic District Commissioners, Board of Zoning Appeals Members, and Detroit Brownfield Redevelopment Authority Board Members:

As a resident of the Woodbridge neighborhood here in Detroit, I would like to express support of Civic Companies, Tekton Development, and Robertson Brothers' plans for the development of 3700 Trumbull Street and associated parcels and structures in the Woodbridge neighborhood of Detroit.

The redevelopment plans honor the historic character of Woodbridge both in the new construction and renovation of historic structures. The proposed plans will also contribute to the vitality of our community by bringing new residents and additional public space. The development team has spent significant time sharing their plans for feedback with residents, organizations, and businesses in the neighborhood and the plans reflect the feedback that they have received.

I encourage the Detroit City Council, Detroit Historic District Commission, Detroit Board of Zoning Appeals, and Detroit Brownfield Redevelopment Authority Board to approve and support Civic Companies, Tekton Development, and Robertson Brothers' plans for the redevelopment of these parcels.

Sincerely,

Jeffrey Reid

January 12, 2021

Detroit City Council
Detroit Historic District Commission
Detroit Board of Zoning Appeals
Coleman A. Young Municipal Center
2 Woodward Avenue, Suite 1340
Detroit, Michigan 48226

Detroit Brownfield Redevelopment Authority
500 Griswold Street, Suite 2200
Detroit, MI 48226

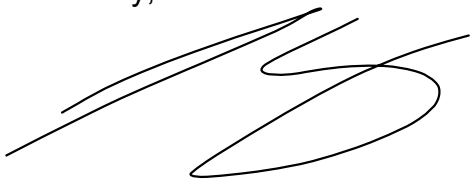
Dear City Council Members, Historic District Commissioners, Board of Zoning Appeals Members, and Detroit Brownfield Redevelopment Authority Board Members:

On behalf of Jim Geary__I would like to express support of Civic Companies, Tekton Development, and Robertson Brothers' plans for the development of 3700 Trumbull Street and associated parcels and structures in the Woodbridge neighborhood of Detroit.

The redevelopment plans honor the historic character of Woodbridge both in the new construction and renovation of historic structures. The proposed plans will also contribute to the vitality of our community by bringing new residents and additional public space. The development team has spent significant time sharing their plans for feedback with residents, organizations, and businesses in the neighborhood and the plans reflect the feedback that they have received.

I encourage the Detroit City Council, Detroit Historic District Commission, Detroit Board of Zoning Appeals, and Detroit Brownfield Redevelopment Authority Board to approve and support Civic Companies, Tekton Development, and Robertson Brothers' plans for the redevelopment of these parcels.

Sincerely,

A handwritten signature in black ink, consisting of several fluid, overlapping strokes that form a stylized, somewhat abstract shape.

January 22, 2021

Detroit City Council
Detroit Historic District Commission
Detroit Board of Zoning Appeals
Coleman A. Young Municipal Center
2 Woodward Avenue, Suite 1340
Detroit, Michigan 48226

Detroit Brownfield Redevelopment Authority
500 Griswold Street, Suite 2200
Detroit, MI 48226

Dear City Council Members, Historic District Commissioners, Board of Zoning Appeals Members, and Detroit Brownfield Redevelopment Authority Board Members:

On behalf of Brick and Stone Real Estate I would like to express support of Civic Companies, Tekton Development, and Robertson Brothers' plans for the development of 3700 Trumbull Street and associated parcels and structures in the Woodbridge neighborhood of Detroit.

The 3700 block of Trumbull has long been vacant and underutilized and is in a prominent location in the neighborhood. I am glad to see a qualified development team is bringing their talents to this redevelopment opportunity. The team has spent significant time in designing buildings that respond to the character of the neighborhood while introducing a modern exciting flair of their own. The proposed plans will also contribute to the vitality of our community by attracting new residents and creating additional public space.

The development team has made many efforts to share their plans and gather feedback from residents, organizations, and businesses in the neighborhood and they have made adjustments based on the feedback that they have received.

I encourage the Detroit City Council, Detroit Historic District Commission, Detroit Board of Zoning Appeals, and Detroit Brownfield Redevelopment Authority Board to approve and support Civic Companies, Tekton Development, and Robertson Brothers' plans for the redevelopment of these parcels.

Sincerely,

AuthenticSign

1/25/2021 4:32:29 PM EST

Mark Hoffman
Broker / Owner
Brick and Stone Real Estate

January 12, 2021

Detroit City Council
Detroit Historic District Commission
Detroit Board of Zoning Appeals
Coleman A. Young Municipal Center
2 Woodward Avenue, Suite 1340
Detroit, Michigan 48226

Detroit Brownfield Redevelopment Authority
500 Griswold Street, Suite 2200
Detroit, MI 48226

Dear City Council Members, Historic District Commissioners, Board of Zoning Appeals Members, and Detroit Brownfield Redevelopment Authority Board Members:

On behalf of **Mark Jones**, I would like to express support of Civic Companies, Tekton Development, and Robertson Brothers' plans for the development of 3700 Trumbull Street and associated parcels and structures in the Woodbridge neighborhood of Detroit.

The redevelopment plans honor the historic character of Woodbridge both in the new construction and renovation of historic structures. The proposed plans will also contribute to the vitality of our community by bringing new residents and additional public space. The development team has spent significant time sharing their plans for feedback with residents, organizations, and businesses in the neighborhood and the plans reflect the feedback that they have received.

I encourage the Detroit City Council, Detroit Historic District Commission, Detroit Board of Zoning Appeals, and Detroit Brownfield Redevelopment Authority Board to approve and support Civic Companies, Tekton Development, and Robertson Brothers' plans for the redevelopment of these parcels.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Jones', with a long horizontal flourish extending to the right.

Mark Jones

Woodbridge Co-hop, Founder
SEMCOG, City Planner

January 12, 2021

Detroit City Council
Detroit Historic District Commission
Detroit Board of Zoning Appeals
Coleman A. Young Municipal Center
2 Woodward Avenue, Suite 1340
Detroit, Michigan 48226

Detroit Brownfield Redevelopment Authority
500 Griswold Street, Suite 2200
Detroit, MI 48226

Dear City Council Members, Historic District Commissioners, Board of Zoning Appeals Members, and Detroit Brownfield Redevelopment Authority Board Members:

On behalf of Richard Chase of 3627 Lincoln, Detroit MI 48208 I would like to express support of Civic Companies, Tekton Development, and Robertson Brothers' plans for the development of 3700 Trumbull Street and associated parcels and structures in the Woodbridge neighborhood of Detroit.

The redevelopment plans honor the historic character of Woodbridge both in the new construction and renovation of historic structures. The proposed plans will also contribute to the vitality of our community by bringing new residents and additional public space. The development team has spent significant time sharing their plans for feedback with residents, organizations, and businesses in the neighborhood and the plans reflect the feedback that they have received.

I encourage the Detroit City Council, Detroit Historic District Commission, Detroit Board of Zoning Appeals, and Detroit Brownfield Redevelopment Authority Board to approve and support Civic Companies, Tekton Development, and Robertson Brothers' plans for the redevelopment of these parcels.

On a personal note, I would like to say the team has done an excellent job engaging the community in their decision making and design choices. Please feel free to call me at if there are any concerns. My phone number is at the bottom of the page.

Sincerely,
Richard Chase
734.658.7448

January 26, 2021

Mr. Jason Jones
3701 Lincoln, LLC
Tekton Development, Robertson Brothers Homes, & Civic Development
440 Burroughs St.
Suite #125
Detroit, MI 48202

Re: 3700 Trumbull, 3701 Lincoln, and other related parcels

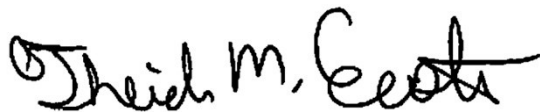
Dear Mr. Jones:

Thank you for taking the time to share your proposed development with us on January 11, 2021. I am writing this letter to acknowledge your communication and engagement with us as homeowners and community members within the Woodbridge Community. My family and I currently own and reside in a stabilized property located at 3721 Trumbull St, directly across the street from your proposed development consisting of both 3700 Trumbull and 3701 Lincoln. Based on your presentation materials and the description of the project, I am in full support of the proposed developments and can attest to the following:

- You (Jason Jones) have been accessible and available to discuss this project in detail.
- You have presented your site plan, architectural elevations, renderings, and project timeline
- I understand and support the development team's use and reconstruction of the existing alley into a walkable alley
- I understand that the proposed development is within the Woodbridge Farm Historic District and will require Historic District Commission approval. I am in support of the project and its vision.
- I understand that the proposed development may require some small dimensional variances, and I am in support of variances required to yield the project vision that was shared with me.
- I especially like the proposed green space and I believe it will be a benefit to the community.
- I also believe that the potential for an element of retail and/or community amenity would be an asset to our neighborhood.

Again thank you for sharing your fantastic vision for our community and I am excited to see it come to fruition.

Sincerely,

A handwritten signature in black ink that reads "Theidore M. Easter". The signature is written in a cursive, slightly slanted style.

Theidore Easter

February 8, 2021

Mr. George Roberts
3701 Lincoln, LLC
Robertson Brothers Homes, Tekton Development, & Civic Development
440 Burroughs St.
Suite #125
Detroit, MI 48202

Re: 3700 Trumbull, 3701 Lincoln, and other related parcels

Dear Mr. Roberts:

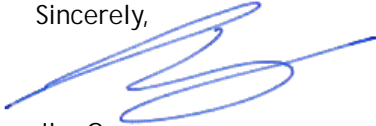
Thank you for discussing your proposed development at the monthly for The Woodbridge Citizens' Council on Thursday, December 10, 2020. The Woodbridge Citizens' Council meets every second Thursday of the month at 6:00pm. All meetings are open to the public and to everyone in the Woodbridge Community. As per your request, we are writing this letter to acknowledge your communication and engagement with our community.

Based on your presentation, materials, and description of your project, we are comfortable with the following:

- George Roberts, Jason Jones and representatives of Robertson Homes have been accessible and available to discuss their proposed project with our general body
- The development team has presented their site plan, architectural elevations, renderings, and project timing to our general body
- In general, WCC supports the proposed density, noting that townhouses can be constructed by right on the R3-zoned property.
- We support adding the proposed type of housing to the neighborhood, which will help diversify the existing housing stock.
- The Woodbridge community has developed our own Design Standards and we believe that this project meets the majority of our design standards.
- The proposed development does have some green space and we believe this is a benefit to our community.
- The proposed development does have the potential for an element of retail and/or community amenity space. We believe this retail and/or community amenity would be an asset to our community.
- We also support the developments teams use and reconstruction of the existing alley.
- WCC understands that the proposed development may require some, yet to be determined, variances. We are supportive of the project and its vision and will address concerns with variances if/as they arise.
- WCC understands that the proposed development is within the Woodbridge Farm Historic District and will require Historic District Commission approval. We are supportive of the project and its vision.
- WCC understands that the proposed development will seek the creating of a Brownfield Tax Incremental Finance District. We are supportive of the project and its vision.
- WCC understands that the proposed development will seek the creating of a Brownfield Tax Incremental Finance District. We are supportive of the project and its vision.
- Due to the highly visible location of the proposed development-across from a park, at a major intersection which forms a gateway to Woodbridge-WCC feels it is important to emphasize that the exterior design aesthetic and material quality should be of a high standard. The development should age elegantly, and create an excellent first impression of our neighborhood. Based on the elevations and material pallet presented at our January 14, 2021 meeting, we believe the development team has satisfied this standard.

WCC appreciates that you have reached out to us for input and we will inform the Land Bank that you have introduced your proposed project to our community organization. We ask that you provide continued updates so that our community is continually engaged. We would also ask that you provide at least two additional formal presentations to our general body on updates to the project over the course of the development.

Sincerely,



Jim Geary
President, Woodbridge Citizens Council



January 20, 2021

Mr. Jason Jones
3701 Lincoln, LLC
Tekton Development, Civic Development, & Robertson Brothers Homes
440 Burroughs St., Suite 125
Detroit, MI 48202

Re: Project Located at 3700 Trumbull, 3701 Lincoln, and other related parcels

Dear Mr. Jones:

Thank you for discussing your proposed development with members of the Woodbridge Neighborhood Development's Land and Development Committee meeting on December 16, 2020. This letter serves to acknowledge your communication and engagement with the Woodbridge community, and WND's support for your development team's vision for the project.

Based on the discussions we've had and the information and materials you've provided, we are comfortable providing the following comments and indications of support:

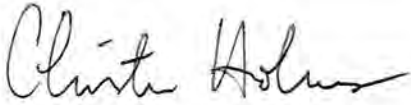
- Jason Jones, George Roberts, and representatives of Robertson Homes have been accessible and available to discuss their proposed project with neighbors and community groups. In addition to the December 16th presentation to WND, a November 21, 2020 meeting was held with neighbors residing in the Woodbridge Farm Historic District, and the project was presented in the December and January meetings Woodbridge Citizens' Council. We would like to acknowledge that Mr. Roberts sits on the Board of Directors of Woodbridge Neighborhood Development.
- The development team has presented their site plan, architectural elevations, renderings, and project timing.
- In general, WND supports the proposed density, noting that townhouses can be constructed by right on the R3-zoned property.
- We support adding the proposed type of housing to the neighborhood, which will help diversify the existing housing stock.
- The green space included in the proposed development is described as a common space, which provides a benefit to the community.
- The proposed development has the potential for an element of retail and/or community amenity space. We believe this retail and/or community amenity would be an asset to our community, and note that the development team plans to further discuss possible uses and types of businesses with the community.
- We support the development team's plan for the use and reconstruction of the existing alley.
- WND understands that the proposed development may require yet to be determined zoning variances; we support the variances required to execute the site plan as presented.
- The proposed development is within the Woodbridge Farm Historic District and will require Historic

District Commission approval. WND is pleased that the development will restore and re-purpose the existing historic powerhouse building. We believe the proposed massing, design and material choices are appropriate for the historic district.

- It is WND's understanding that the proposed development will seek the creation of a Brownfield Tax Incremental Finance District to support financing of the project.

WND appreciates that you have reached out to us for input we believe that continued and strong community engagement is key to successfully and cooperative development. We ask that you provide continued updates so that our community can be engaged throughout the project.

Sincerely,

A handwritten signature in black ink, appearing to read "Christine Holmes". The signature is fluid and cursive, with a large initial "C" and a long, sweeping underline.

Christine Holmes

Policy and Property Development Director

25 January 2021

Mr. Jason Jones
3701 Lincoln, LLC
Tekton Development, Civic Development, & Robertson Brothers Homes
440 Burroughs St.
Suite #125
Detroit, MI 48202

Re: Project Located at 3700 Trumbull, 3701 Lincoln, and other related parcels

Dear Mr. Jones:

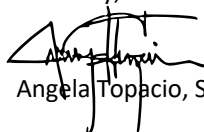
Thank you for discussing your proposed development with The Woodbridge Farm Association and members of the public on Saturday, November 21, 2020. The Woodbridge Farm Association is a neighborhood association that governs and connects neighbors within the Historic Woodbridge Farm neighborhood. Our members live within the historic district and our Association acts as a liaison between our neighbors and the development community. As per your request, we are writing this letter to acknowledge your communication and engagement with our community and our support for the project vision.

Based on your presentation, materials, and description of your project, we are comfortable with the following:

- Jason Jones , George Roberts, and representatives of Robertson Homes have been accessible and available to discuss their proposed project with our general body
- The development team has presented their site plan, architectural elevations, renderings, and project timing to our general body
- In general, Woodbridge Farm Association supports the proposed density, noting that townhouses can be constructed by right on the R3-zoned property
- We support adding the proposed type of housing to the neighborhood, which will help diversify the existing housing stock
- The proposed development does have some green space and we believe this is a benefit to our community.
- The proposed development does have the potential for an element of retail and/or community amenity space. We believe this retail and/or community amenity would be an asset to our community.
- We also support the developments teams use and reconstruction of the existing alley.
- The Woodbridge Farm Association understands that the proposed development may require some, yet to be determined, variances. We are supportive of the project and its vision and the expected variances.
- The Woodbridge Farm Association understands that the proposed development is within the Woodbridge Farm Historic District and will require Historic District Commission approval. We are supportive of the project and its vision.
- The Woodbridge Farm Association understands that the proposed development will seek the creating of a Brownfield Tax Incremental Finance District. We are supportive of the project and its vision.

The Woodbridge Farm Association appreciates that you have reached out to us for input we believe that continued and strong community engagement is key to successfully and cooperative development. We ask that you provide continued updates so that our community is continually engaged.

Sincerely,



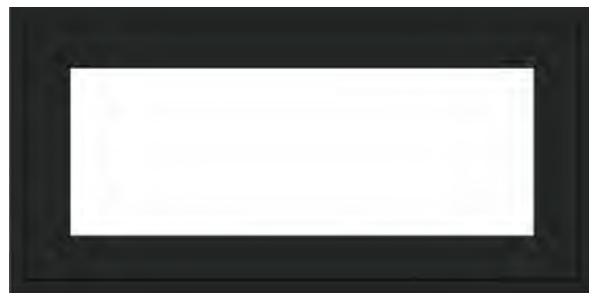
Angela Topacio, Secretary, Woodbridge Farm Board of Directors



100 SERIES AWNING WINDOW



Interior



Exterior

Summary

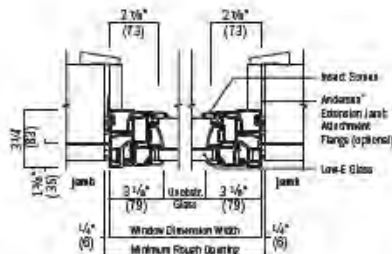
Product ID#	100AS3016
Unit Width	35 1/2"
Unit Height	17 1/2"
Interior Color	White
Glass	Low-E Glass
Hardware	Folding Lock and Keeper, White
Grille Pattern	None
Exterior Color	Black



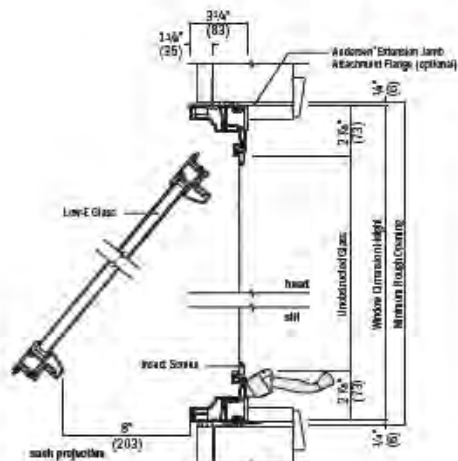
Awning Window Details - New Construction

Scale 1 1/2" (38) = 1'-0" (305) - 1:8

1 1/2" (38) Awning window

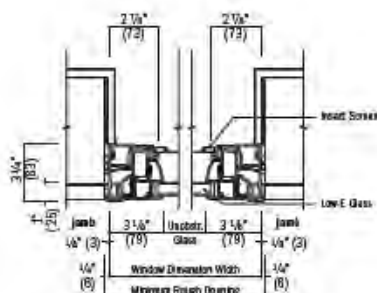


Horizontal Section

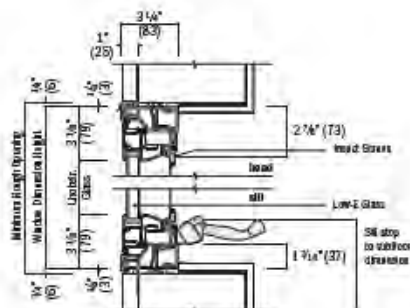


Vertical Section

1 1/2" (38) Awning window with storm sash

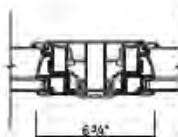


Horizontal Section
storm sash

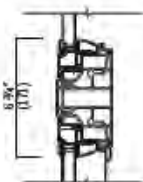


Vertical Section
storm sash

Integral



Horizontal Section
No Casement



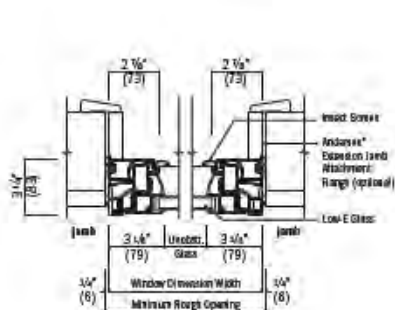
Vertical Section
Picture over Awning

- * Drip cap is required to complete window installation as shown, but may not be included with the window. Use of drip cap is recommended for proper installation.
- * Light-colored areas are paint indicators with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- * Rough openings may need to be increased to allow for use of building wraps, flashing, sill paning, brackets, fasteners or other items.
- * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- * Dimensions in parentheses are in millimeters.

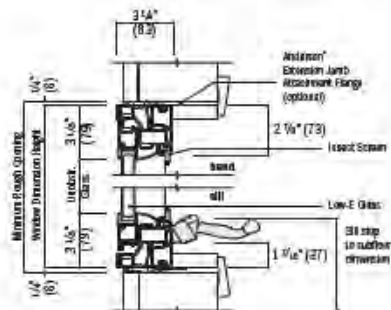
Awning Window Details - Replacement

Scale 1 1/2" (38) = 1'-0" (305) - 1:8

In Glass

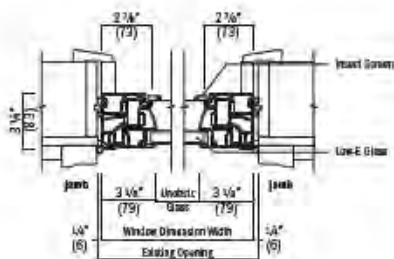


Horizontal Section
raising framed opening

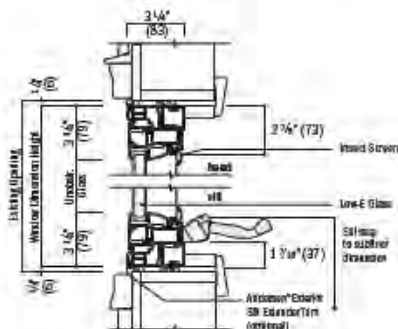


Vertical Section
raising framed opening

Sill

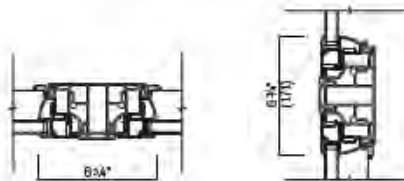


Horizontal Section
existing window opening

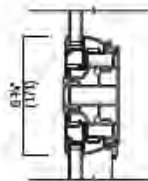


Vertical Section
existing window opening

In Glass



Horizontal Section
Picture over Awning



Vertical Section
Picture over Awning

* Only cap is required to complete window installation as shown, but may not be included with this window. Use of drip cap is recommended for proper installation.
 * Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
 * Rough opening may need to be increased to allow for use of building wraps, flashing, sill gasket, brackets, fasteners or other items.
 * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
 * Dimensions in parentheses are in millimeters.

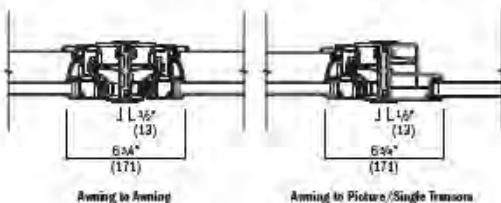
Vertical (ribbon) Fiberglass Joining Details – Non-Reinforced

Scale 1½" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ½" (13) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



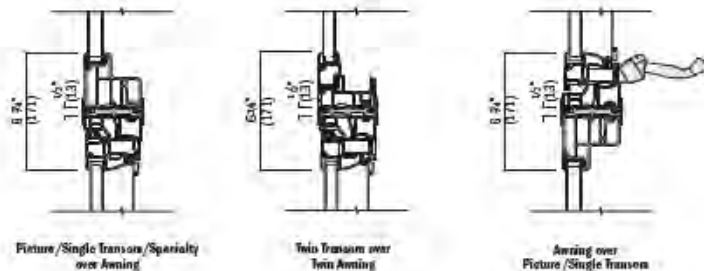
Horizontal (stack) Fiberglass Joining Details – Non-Reinforced

Scale 1½" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ½" (13) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



* Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, tracklets, fasteners or other items.
 * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
 * Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.
 * Dimensions in parentheses are in millimeters.

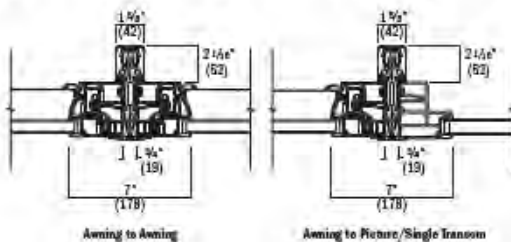
Vertical (ribbon) Fiberglass Joining Details – Reinforced

Scale 1½" = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ¾" (19) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



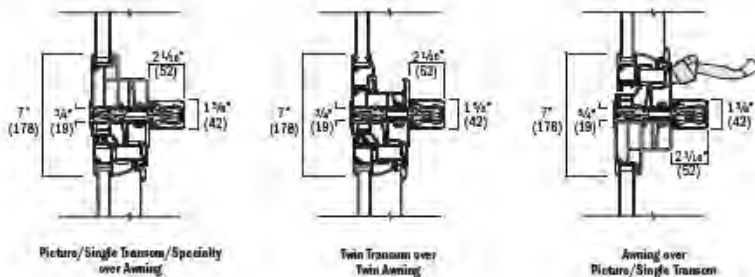
Horizontal (stack) Fiberglass Joining Details – Reinforced

Scale 1½" = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ¾" (19) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



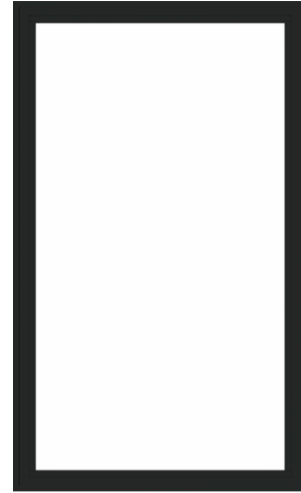
* Rough openings may need to be increased to allow for use of building wrap, flashing, sill panning, brackets, fasteners or other items.
 * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
 * Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.
 * Dimensions in parentheses are in millimeters.



100 SERIES CASEMENT WINDOW



Interior



Exterior

Summary

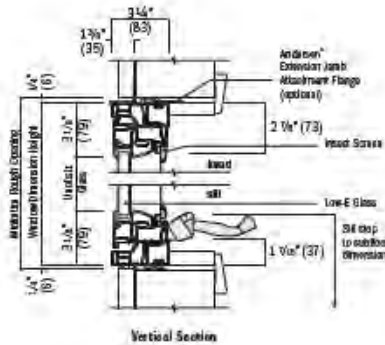
Product ID#	100CS3050
Unit Width	35 1/2"
Unit Height	59 1/2"
Interior Color	White
Glass	Low-E Glass
Hardware	Folding Lock and Keeper, White
Grille Pattern	None
Exterior Color	Black



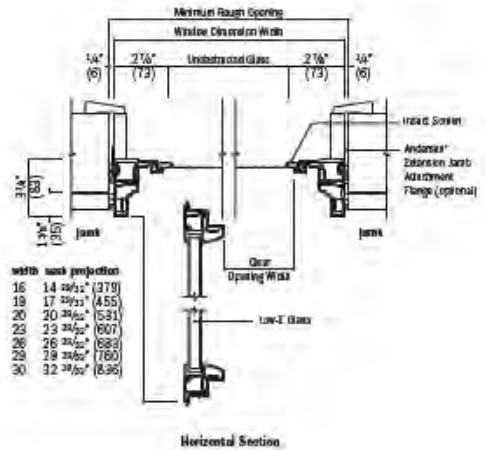
Casement Window Details - New Construction

Scale 1 1/2" (38) = 1'-0" (305) = 1:8

1 1/2" (38) Flange, outside



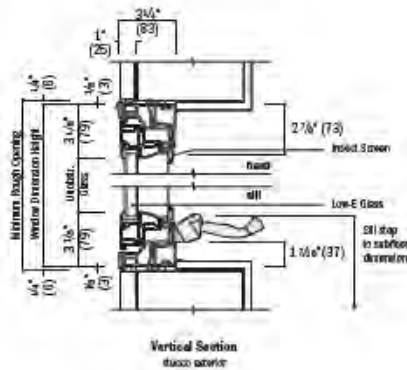
Vertical Section



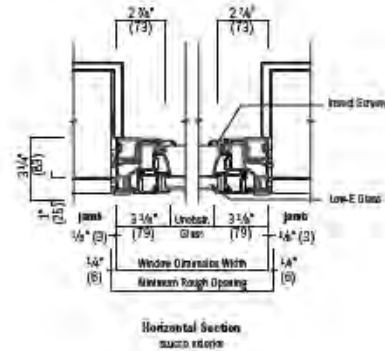
Horizontal Section

width	sash projection
16	14 25/32" (370)
19	17 29/32" (455)
20	20 29/32" (531)
22	23 29/32" (607)
26	26 29/32" (683)
32	32 29/32" (826)

1 1/2" (38) Flange on back with exterior seal

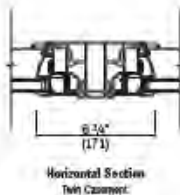


Vertical Section
flange inside

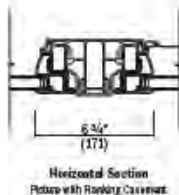


Horizontal Section
flange inside

integrals



Horizontal Section
Twin Casement



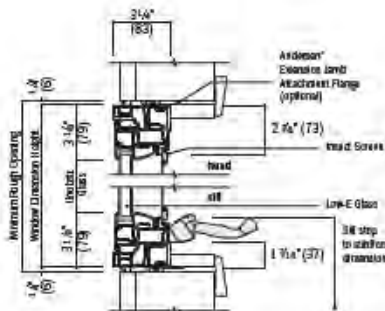
Horizontal Section
Picture with Flanking Casement

*Drip cap is required to complete window installation as shown, but may not be included with the window. Use of drip cap is recommended for proper installation.
 *Light-colored trim or paint includes with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
 *Rough openings may need to be increased to allow for use of building wraps, flashing, sill painting, brackets, brackets or other items.
 *Details are for illustration only and are not intended to represent product installation methods or practices. Refer to product installation guides at andersenwindows.com.
 *Dimensions in parentheses are in millimeters.

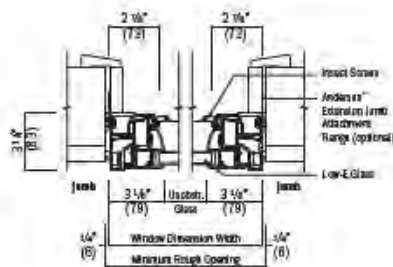
Caseament Window Details - Replacement

Scale 1 1/2" (38) = 1'-0" (305) - 1:8

no sillings

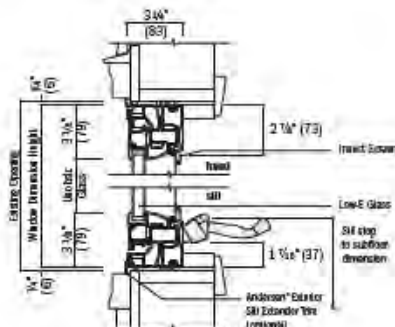


Vertical Section
with framed opening

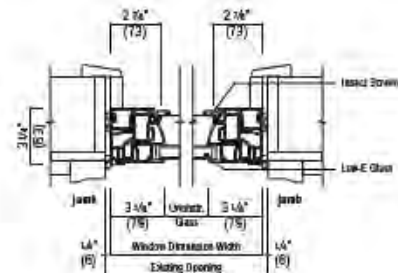


Horizontal Section
with framed opening

sillings



Vertical Section
with window opening

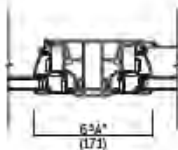


Horizontal Section
with window opening

sillings



Horizontal Section
Twin Casement



Horizontal Section
Ranking with Ranking Casement

* Dry cup is required to complete window installation as shown, but may not be included with the window. Use of this cup is recommended for proper installation.

* Light-colored glass and parts included with window. Darker color glass is additional Andersen® parts required to complete window assembly as shown.

* Rough opening may need to be increased to allow for use of bedding wraps, flashing, sill panelling, insulate, fasteners or other items.

* Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guide at andersenwindows.com.

* Dimensions in parentheses are in millimeters.

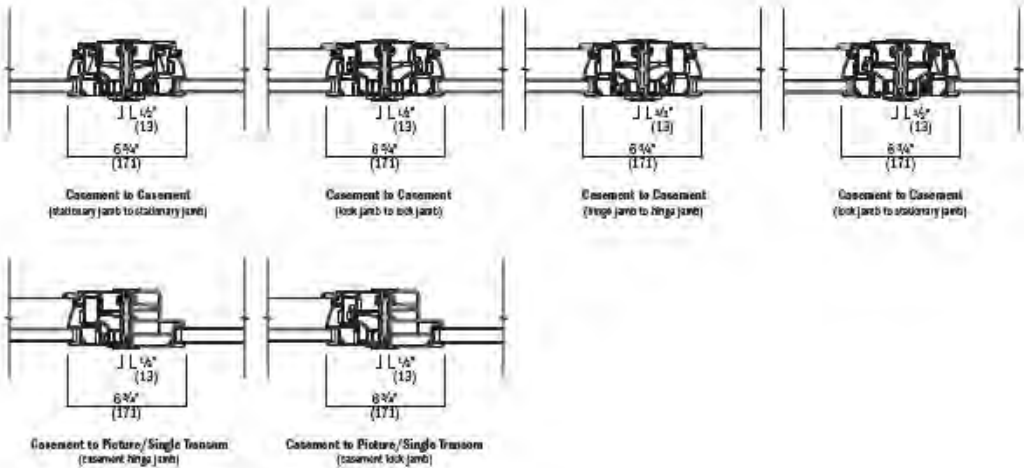
Vertical (ribbon) Fiberglass Joining Details – Non-Reinforced

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus 1/2" (13) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.



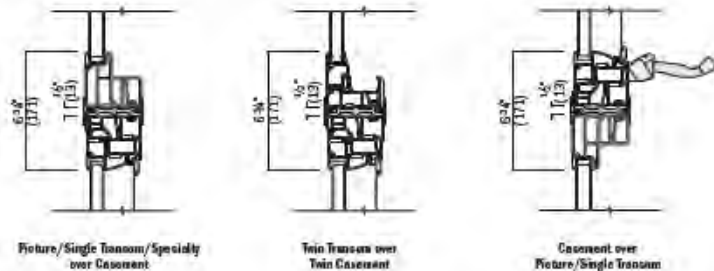
Horizontal (stack) Fiberglass Joining Details – Non-Reinforced

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus 1/2" (13) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.



* Rough openings may need to be increased to allow for site building wraps, flashing, sill paning, brackets, fasteners or other items.
 * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindow.com.
 * Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.
 * Dimensions in parentheses are in millimeters.

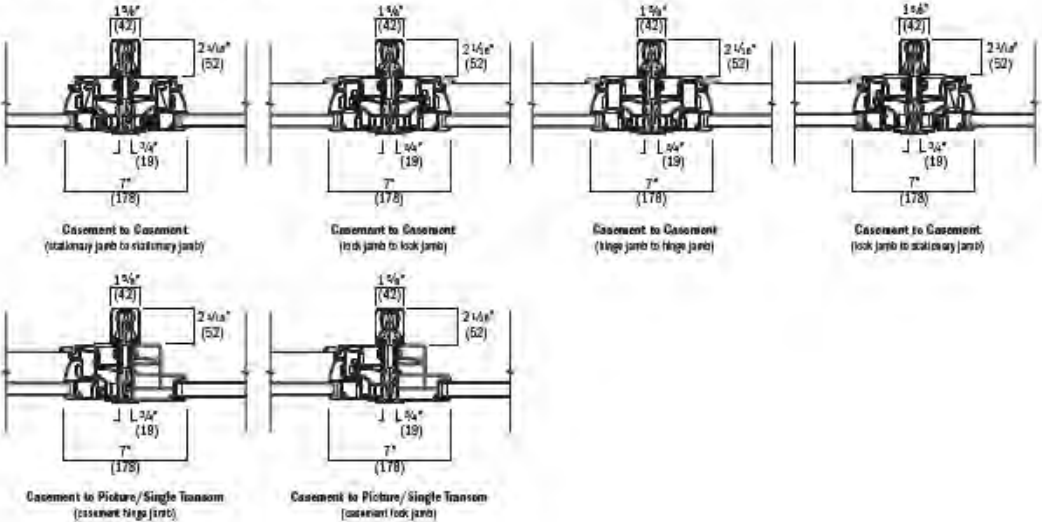
Vertical (ribbon) Fiberglass Joining Details – Reinforced

Scale 1 1/2" (38) – 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus 3/4" (19) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.



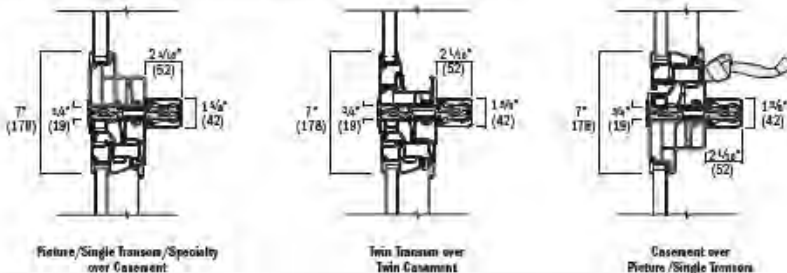
Horizontal (stack) Fiberglass Joining Details – Reinforced

Scale 1 1/2" (38) – 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus 3/4" (19) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.



* Rough openings may need to be increased to allow for use of blocking strips, flashing, sill panning, brackets, fasteners or other items.

* Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

* Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.

* Dimensions in parentheses are in millimeters.



100 SERIES GLIDING PATIO DOOR



Interior



Exterior

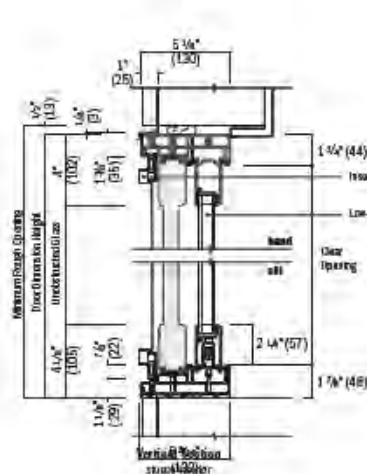
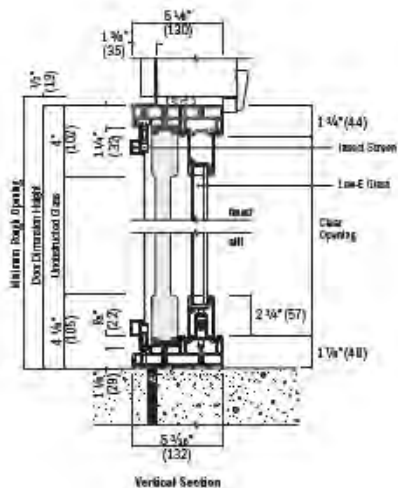
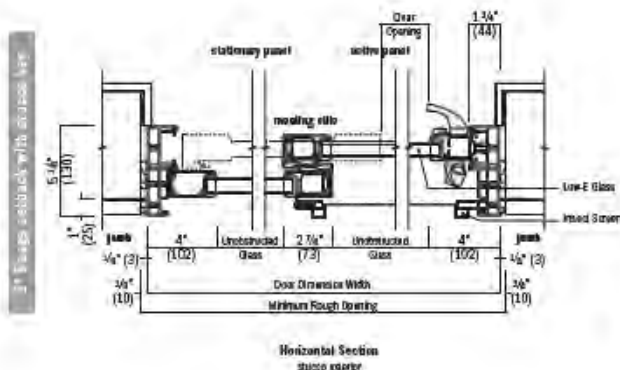
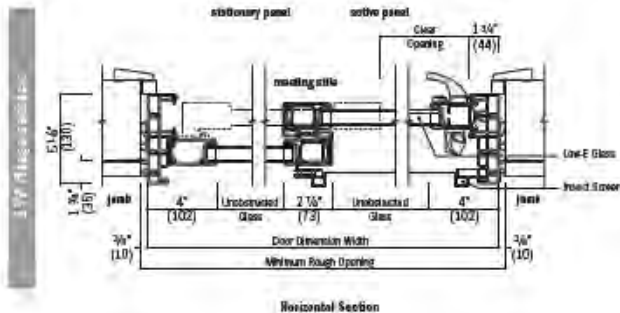
Summary

Product ID#	100GD2P5068
Unit Width	59 1/4"
Unit Height	79 1/2"
Interior Color	White
Glass	Low-E4® Glass
Hardware	Tulsa, White
Grille Pattern	None
Exterior Door Color	Black



Gliding Patio Door Details

Scale 1 1/2" (38) = 1'-0" (305) = 1:8



*Drip cap is required to complete door installation as shown, but may not be included with the door. Use of drip cap is recommended for proper installation.
 *Rough openings may need to be increased to allow for the use of building wraps, flashing, sill pointing, brackets, fasteners or other items.
 *Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guidelines at andersenwindows.com.
 *Dimensions in parentheses are in millimeters.

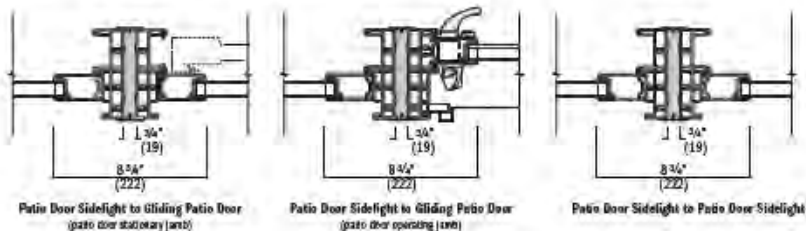
Vertical (ribbon) Joining Details

Scale 1 1/2" (38) = 1'-0" (305) = 1:8

Overall Door/Sidelight or Sidelight-Sidelight Dimension Width Sum of individual door-sidelight or sidelight-sidelight widths plus 3/4" (19).

Overall Minimum Rough Opening Width Overall dimension width plus 3/4" (19).

The addition of joining materials will affect the overall rough opening dimension.



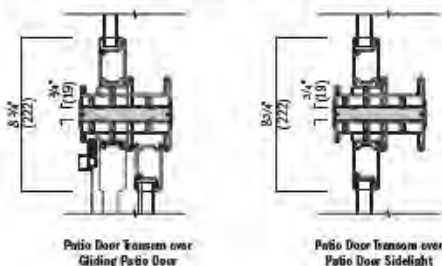
Horizontal (stack) Joining Details

Scale 1 1/2" (38) = 1'-0" (305) = 1:8

Overall Transom/Door or Transom/Sidelight Dimension Height Sum of individual transom/door or transom/sidelight heights plus 3/4" (19).

Overall Minimum Rough Opening Height Overall dimension height plus 1/2" (13).

The addition of joining materials will affect the overall rough opening dimension.



* Rough openings may need to be increased to allow for use of bedding wraps, flashing, sill panning, backstops, fasteners or other items.

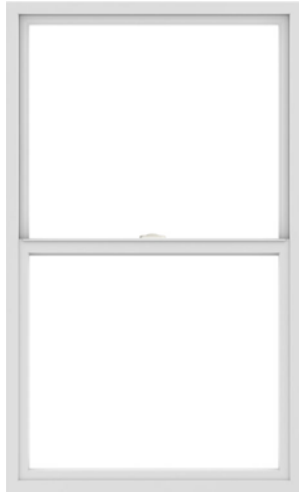
** Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

*** Structural performance of any combination is only as high as the lowest structural performance of any individual window or job in the combination.

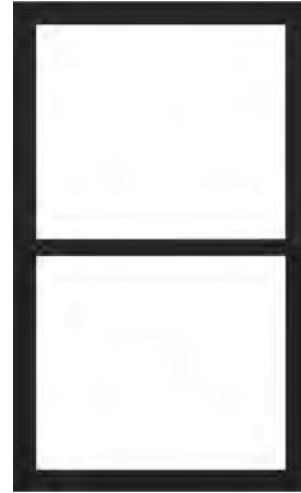
† Contact your Andersen supplier for information on meeting wind load requirements for patio door joint combinations.



100 SERIES SINGLE-HUNG WINDOW



Interior



Exterior

Summary

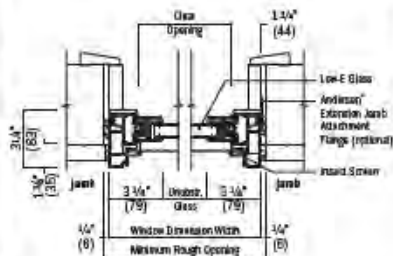
Product ID#	100SHS3050
Unit Width	35 1/2"
Unit Height	59 1/2"
Interior Color	White
Glass	Low-E Glass
Hardware	Standard Lock and Keeper, White
Grille Pattern	None
Exterior Color	Black



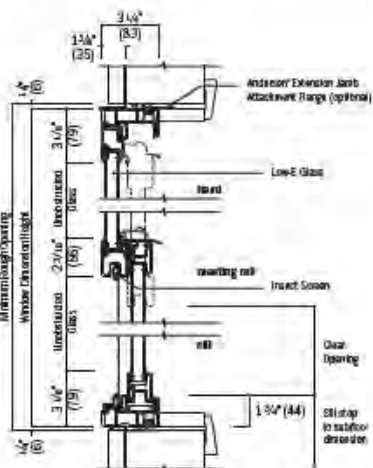
Single-Hung Window Details - New Construction

Scale 1 3/4" (38) - 1'-0" (305) - 1:8

5/8" Recessed with outside jamb

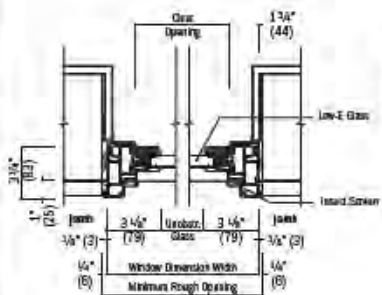


Horizontal Section

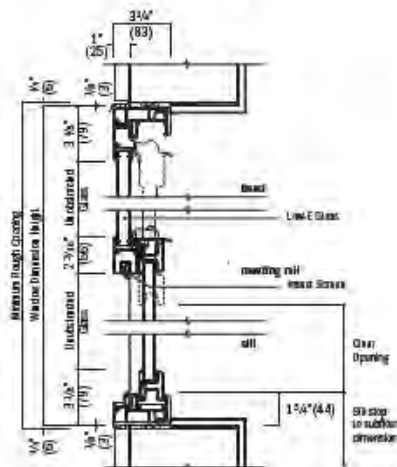


Vertical Section

1" Recessed with outside jamb

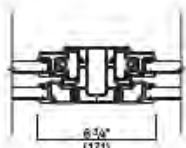


Horizontal Section
suction gasket

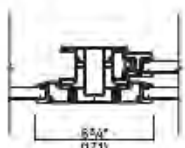


Vertical Section
suction gasket

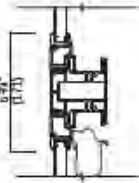
6 1/2" x 6 1/2"



Horizontal Section
Twin or Triple Single-Hung



Horizontal Section
Fixed with Flanking Single-Hung



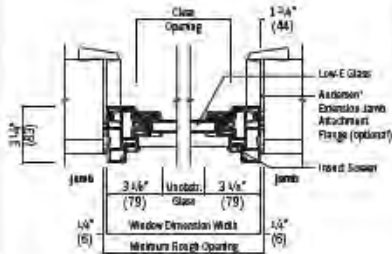
Vertical Section
Tension over Single-Hung

- *Drp cap is required to complete window installation as shown, but may not be required with the window. Use of drp cap is recommended for proper installation.
- *Light-colored areas are parts matched with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- *Rough openings may need to be increased to allow for expansion, weather, flashing, sill pan, brackets, fasteners, or other items.
- *Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- *Dimensions in parentheses are in millimeters.

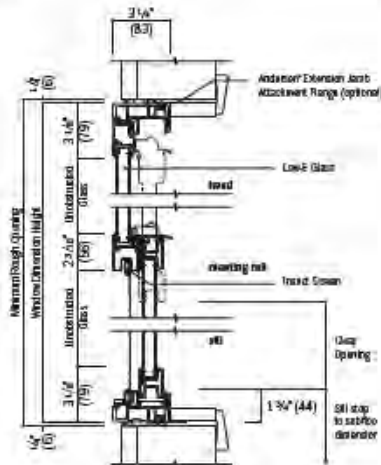
Single-Hung Window Details - Replacement

Scale 1 1/2" (38) - 1'-0" (305) - 1:8

Height

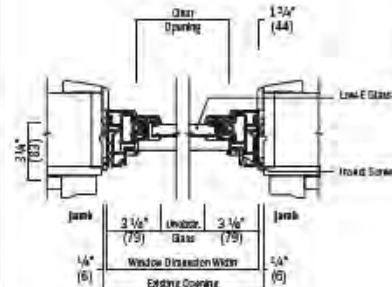


Horizontal Section
existing transom opening

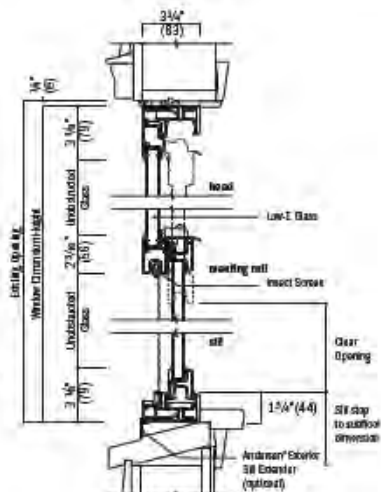


Vertical Section
existing transom opening

Height

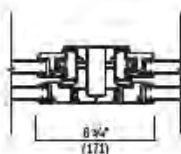


Horizontal Section
existing window opening

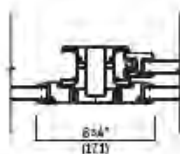


Vertical Section
existing window opening

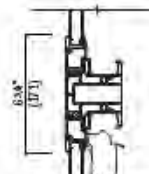
Height



Horizontal Section
Two or Triple Single-Hung



Horizontal Section
Main with Flanking Single-Hung



Vertical Section
Transom over Single-Hung

- * Drip cap is required to complete window installation as shown, but may not be included with the window. Use of drip cap is recommended for proper installation.
- * Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- * Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.
- * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindow.com.
- * Dimensions in parentheses are in millimeters.

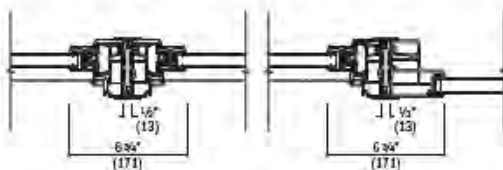
Vertical (ribbon) Fiberglass Joining Details – Non-Reinforced

Scale 1½" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ½" (13) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



Single-Hung to Single-Hung

Single-Hung to Picture/Single Transom

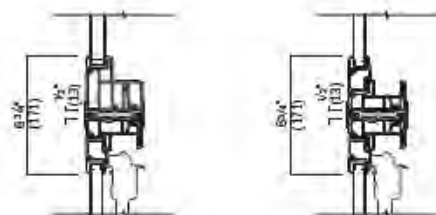
Horizontal (stack) Fiberglass Joining Details – Non-Reinforced

Scale 1½" (38) = 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ½" (13) per join.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



Picture/Single Transom/Specialty
over Single-Hung

Twin Transom over
Twin Single-Hung

* Rough openings may need to be increased to allow for use of bolting straps, flashing, sill panning, brackets, fasteners or other items.
 * Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
 * Structural performance of any combination is only as high as the lowest structural performance of any individual window or join in the combination.
 * Dimensions in parentheses are in millimeters.

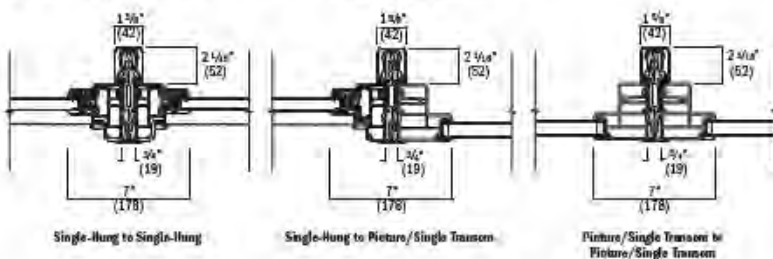
Vertical (ribbon) Fiberglass Joining Details – Reinforced

Scale 1½" (38) – 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ¾" (19) per joint.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



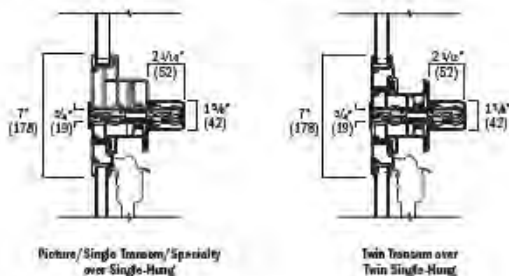
Horizontal (stack) Fiberglass Joining Details – Reinforced

Scale 1½" (38) – 1'-0" (305) – 1:8

Overall Window Dimension Width Sum of individual window widths plus ¾" (19) per joint.

Overall Minimum Rough Opening Width Overall window dimension width plus ¾" (19).

The addition of joining materials will affect the overall rough opening dimension.



* Rough openings may need to be increased to allow for use of building wraps, flashing, sill panelling, brackets, fasteners or other fixes.

* Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.

* Structural performance of any combination is only as high as the lowest structural performance of any individual window or joint in the combination.

* Dimensions in parentheses are in millimeters.



SHARE



Smooth-Star®



Pulse™ Echo 4-Lite Centered | Style No. S4CL (shown in flat lite frame)

★★★★★ 3.9 (14) [Write a review](#)

5 Available Sizes



VIEW ON HOME

THERMA-TRU VIBRANT PAINT OPTIONS



Looking for more information on finishing options? Check out our [finishing page](#) and learn how you can use finish to make your house a home with Therma-Tru.

GLASS OPTIONS

Clear

DESIGN YOUR DOOR

WHERE TO BUY

ORDER FINISH SAMPLES

Where Home Begins with Therma-Tru doors.



2020 Energy Star® Qualification Chart

Classic-Craft® Opaque & Lip-Lite Fiberglass Doors

GARAGE ENTRY/MECH DOOR- TS210FD



Glass Designs																
6'8" Height Doors																
Glass Size (Inches)	25x66	25x51*	25x42*		21x35	25x35	15x38			10x42			10x8			
Decorative Glass	.26/.27	.26/.27	.23/.20		.21/.15	.21/.15	.21/.15			.18/.08						
Decorative Glass – Wrought Iron	.32/.26	.32/.26	.28/.20													
Privacy & Textured Glass	.26/.27	.26/.27	.23/.20													
Satin Etch						.21/.15										
Low-E Glass	.26/.15	.26/.15	.23/.11		.21/.09	.21/.09	.21/.09			.18/.05			.18/.05			
Opaque*													.14/.01	.18/.01		
Fire Opaque													.19/.00			
8'0" Height Doors																
Glass Size (Inches)		25x66	21x51*	31x51*						8x42	10x42					
Decorative Glass		.26/.27	.26/.27	.26/.27												
Decorative Glass – Wrought Iron		.32/.26	.32/.26	.32/.26												
Privacy & Textured Glass		.26/.27	.26/.27	.26/.27												
Low-E Glass		.26/.15	.26/.15	.26/.15						.18/.05	.18/.05					
Opaque													.14/.01			
Fire Opaque													.19/.00			

*Also includes arch and round top lites or door slabs.

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Classic-Craft® Fiberglass Doors Featuring EnLiten™ Flush-Glazed Designs



Glass Designs																				
6'8" Height Doors																				
Glass Size (Inches)	26x66							26x18							8x66	8x52	8x45	8x35	8x41	8x18
Decorative Glass								.22/.15						.22/.15	.19/.08	.19/.08	.19/.08	.19/.08	.19/.08	.19/.08
Privacy & Textured Glass	.30/.28							.22/.15						.22/.15						.19/.08
Satin Etch														.22/.15						
Low-E Glass	.27/.16							.21/.09						.21/.09	.18/.05	.18/.05	.18/.05	.18/.05	.18/.05	.18/.07
8'0" Height Doors																				
Glass Size (Inches)	26x80							30x24	26x18						8x80					
Decorative Glass								.22/.15	.22/.15						.22/.15					
Privacy & Textured Glass	.30/.28							.22/.15	.22/.15						.22/.15					
Low-E Glass	.27/.16							.21/.09	.21/.09						.21/.09					

*Also includes arch and round top lite.

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

ROOFTOP DOOR - S118LE

2020 Energy Star® Qualification Chart
Fiber-Classic® & Smooth-Star® Opaque & Lip-Lite Fiberglass Doors



Glass Designs																											
	6'8" Height Doors				6'8" Height Doors				6'8" Height Doors				6'8" Height Doors				6'8" Height Doors				6'8" Height Doors						
Glass Size (Inches)	22x64	20x64	16x64	14x64	22x47	22x36**	20x36	22x36	22x27	8x36**	16x40	21x15	8x42R	8x36	22x10A	22x10R	22x6	8x6					7x64	8x47	8x36**	8x44S	
Decorative Glass	.26/.27	.26/.27	.23/.20		.23/.20	.21/.15	.21/.15	.21/.15	.21/.15	.21/.15	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08			.18/.08					.18/.08	.18/.08	.18/.08	.18/.08	
Decorative Glass – Wrought Iron	.32/.26	.32/.26			.28/.20	.25/.15	.25/.15	.25/.15	.25/.15	.25/.15		.20/.08	.20/.08	.20/.08									.20/.08	.20/.08	.20/.08		
Frosted Glass	.32/.30	.32/.30			.28/.23	.25/.17		.25/.17	.25/.17	.25/.17	.24/.17												.20/.09		.20/.09		
Privacy & Textured Glass	.26/.27	.26/.27			.23/.20	.21/.15		.21/.15	.21/.15	.21/.15		.18/.08	.18/.08	.18/.08				.18/.08					.18/.08	.18/.08	.18/.08		
Grilles Between Glass	.34/.26	.34/.26			.28/.20	.25/.15	.25/.15	.25/.15	.25/.15	.25/.15				.20/.08	.20/.08	.20/.08							.20/.08	.20/.08	.20/.08		
Low-E Grilles Between Glass	.29/.14	.29/.14			.23/.10	.22/.08	.22/.08	.22/.08	.22/.08	.22/.08				.19/.04	.19/.04	.19/.04							.19/.04	.18/.04	.18/.04		
Miniblinds	.36/.25	.36/.25	.30/.18		.30/.18	.26/.14	.26/.14	.26/.14	.26/.14					.21/.07									.21/.06	.21/.06	.21/.06		
Low-E Miniblinds	.31/.21	.31/.21	.27/.15		.27/.15	.24/.12	.24/.12	.24/.12	.24/.12					.20/.06									.20/.06	.20/.06	.20/.06		
Clear	.34/.30	.34/.30		.25/.17	.28/.23	.25/.17	.25/.17	.25/.17	.25/.17		.24/.17		.20/.09	.20/.09	.20/.09		.20/.09	.20/.09					.20/.09	.20/.09	.20/.09	.20/.09	
Low-E Glass	.29/.16	.29/.16	.25/.12	.22/.09	.23/.11	.22/.09	.22/.09	.22/.09	.22/.09		.21/.09	.18/.07	.18/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05					.19/.05	.18/.05	.18/.05	.18/.05	
Opaque																		.14/.01	.17/.01	.18/.01	.18/.01						
Fire Opaque																		.18/.00	.19/.01	.20/.01	.20/.01						
8'0" Height Doors																											
Glass Size (Inches)	22x80	20x80		14x80	22x64	22x47		22x47				21x15		8x36	22x10A	22x10R		8x6						7x80	7x64	8x47	
Decorative Glass	.26/.27	.26/.27			.26x.27	.23/.20		.23/.20				.18/.08		.18/.08	.18/.08			.18/.08						.21/.15	.18/.08	.18/.08	
Decorative Glass – Wrought Iron	.32/.26	.32/.26			.32/.26	.28/.20		.28/.20				.20/.08		.20/.08										.25/.15	.20/.08	.20/.08	
Frosted Glass	.32/.30	.32/.30			.32/.30	.28/.23		.28/.23																.20/.09			
Privacy & Textured Glass	.26/.27	.26/.27			.26/.27	.23/.20		.23/.20				.18/.08		.18/.08				.18/.08						.21/.15	.18/.08	.18/.08	
Grilles Between Glass	.34/.26	.34/.26			.34/.26	.28/.20		.28/.20						.20/.08	.20/.08	.20/.08								.24/.15	.20/.08	.20/.08	
Low-E Grilles Between Glass	.29/.14	.29/.14			.29/.14	.23/.10		.23/.10						.19/.04	.19/.04	.19/.04								.21/.08	.19/.04	.18/.04	
Miniblinds	.36/.25	.36/.25			.36/.25	.30/.18		.30/.18						.21/.07										.26/.14	.21/.06	.21/.06	
Low-E Miniblinds	.31/.21	.31/.21			.31/.21	.27/.15		.27/.15						.20/.06										.24/.12	.20/.06	.20/.06	
Clear	.34/.30	.34/.30		.28/.23	.34/.30	.28/.23		.28/.23						.20/.09	.20/.09			.20/.09						.24/.17	.20/.09	.20/.09	
Low-E Glass	.29/.16	.29/.16			.29/.16	.23/.11		.23/.11				.18/.07		.19/.05	.19/.05	.19/.05		.19/.05						.21/.09	.19/.05	.18/.05	
Opaque																		.14/.01	.17/.01	.18/.01	.18/.01						
Fire Opaque																		.18/.00	.19/.01	.20/.01	.20/.01						

*Represents shaker panels.
**Also includes arch and round top lite.

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Fiber-Classic® & Smooth-Star® Fiberglass Doors
Featuring EnLiten™ Flush-Glazed Designs



Glass Designs												
	6'8" Height Doors											
Glass Size (Inches)	27x64	25x64	21x64	20x64	14x64	25x48	21x48	22x36	23x16	7x64	8x47	8x16
Privacy & Textured Glass	.31/.27	.31/.27		.31/.27		.31/.27	.27/.20		.21/.08	.19/.08		.21/.08
Grilles Between Glass	.34/.26	.34/.26		.34/.26		.34/.26	.29/.20	.25/.15		.20/.08	.20/.08	
Low-E Grilles Between Glass	.28/.15	.28/.15		.28/.15		.28/.15	.25/.10	.22/.08		.18/.04	.18/.04	
Clear	.32/.30	.32/.30		.32/.30	.25/.17	.32/.30	.28/.23	.25/.17		.20/.09	.20/.09	
Low-E Glass	.26/.15	.26/.15		.26/.15	.21/.09	.26/.15	.23/.12	.21/.09	.20/.07	.18/.05		.20/.07
Miniblinds		.36/.25	.36/.25									
Low-E Miniblinds		.31/.21	.31/.21									
8'0" Height Doors												
Glass Size (Inches)		25x80	21x80		14x80	25x64	20x64		23x16	7x80		8x16
Privacy & Textured Glass		.31/.27	.31/.27			.31/.27	.31/.27		.21/.08	.24/.15		.21/.08
Grilles Between Glass		.34/.26	.34/.26			.34/.26	.34/.26					
Low-E Grilles Between Glass		.28/.15	.28/.15			.28/.15	.28/.15					
Clear		.32/.30	.32/.30		.32/.30	.32/.30	.32/.30					
Low-E Glass		.26/.15	.26/.15		.26/.15	.26/.15	.26/.15		.20/.07	.22/.08		.20/.07
Miniblinds		.36/.25	.36/.25									
Low-E Miniblinds		.31/.21	.31/.21									

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
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	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Fiber-Classic® & Smooth-Star® Impact Rated Fiberglass Doors



Glass Designs													
6'8" Height Doors													
Glass Size (Inches)	22x64	20x64	16x64	14x64	22x47	22x36	20x36	22x36	21x15	8x36	7x64	8x47	8x36
Decorative Glass	.28/.26	.28/.26			.24/.19	.22/.14	.22/.14	.22/.14	.18/.07	.18/.07	.18/.07	.18/.07	.18/.07
Decorative Glass – Wrought Iron	.30/.25	.30/.25			.26/.18	.23/.14		.23/.14	.19/.07	.19/.07	.19/.07	.19/.07	.19/.07
Frosted Glass	.30/.28	.30/.28			.26/.18	.23/.16		.23/.16		.19/.08	.19/.08		.19/.08
Privacy & Textured Glass	.28/.26				.24/.19	.22/.14		.22/.14	.18/.07	.18/.07	.18/.07	.18/.07	.18/.07
Grilles Between Glass	.31/.25	.31/.25		.23/.14	.27/.18	.23/.14		.23/.14		.19/.07	.19/.07	.19/.07	.19/.07
Low-E Grilles Between Glass	.25/.13	.25/.13		.20/.07	.22/.10	.20/.07		.20/.07		.17/.04	.17/.04	.17/.04	.17/.04
Miniblinds	.34/.23	.34/.23	.29/.17		.29/.17	.25/.13					.20/.06	.20/.06	.20/.06
Low-E Miniblinds	.30/.23	.30/.23	.26/.17		.26/.17	.23/.13					.19/.06	.19/.06	.19/.06
Clear Glass	.30/.28	.30/.28		.23/.16	.26/.18	.23/.16	.23/.16	.23/.16		.19/.08	.19/.08	.19/.08	.19/.08
Low-E Glass	.24/.15	.24/.15		.20/.09	.21/.11	.20/.09	.20/.09	.20/.09	.19/.07	.19/.07	.19/.07	.19/.07	.19/.07
8'0" Height Doors													
Glass Size (Inches)	22x80	20x80		14x80	22x64	22x47		22x47	21x15	8x36	7x80	7x64	8x47
Decorative Glass	.28/.26	.28/.26			.28/.26	.24/.19		.24/.19	.18/.07	.18/.07	.22/.14	.18/.07	.18/.07
Decorative Glass – Wrought Iron	.30/.25	.30/.25			.30/.25	.26/.18		.26/.18	.19/.07	.19/.07	.23/.14	.19/.07	.19/.07
Frosted Glass	.30/.28	.30/.28			.30/.28	.26/.18		.26/.18		.19/.08	.23/.16	.19/.08	
Privacy & Textured Glass	.28/.26				.28/.26	.24/.19		.24/.19	.18/.07	.18/.07	.22/.14	.18/.07	.18/.07
Grilles Between Glass	.31/.25	.31/.25			.31/.25	.27/.18		.27/.18		.19/.07	.23/.14	.19/.07	.19/.07
Low-E Grilles Between Glass	.25/.13	.25/.13			.25/.13	.22/.10		.22/.10		.17/.04	.20/.07	.17/.04	.17/.04
Miniblinds	.34/.23	.34/.23			.34/.23	.29/.17					.25/.13	.20/.06	.20/.06
Low-E Miniblinds	.30/.23	.30/.23			.30/.23	.26/.17					.23/.13	.19/.06	.19/.06
Clear Glass	.30/.28	.30/.28		.26/.18	.30/.28	.26/.18		.26/.18		.19/.08	.23/.16	.19/.08	.19/.08
Low-E Glass	.24/.15	.24/.15		.21/.11	.24/.15	.21/.11		.21/.11	.19/.07	.19/.07	.20/.09	.19/.07	.19/.07

Note: Impact-Rated products on this page utilize impact rated glass and structural door slabs.

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Steel Opaque & Lip-Lite Doors



Glass Designs																								
6'8" Height Doors																								
Glass Size (Inches)	22x64	20x64	16x64	14x64	22x47	22x36*	20x36	22x27	8x36*	16x40	8x42R	22x10A	22x10R	21x15	22x6	7x18	8x6		7x64	8x47	8x36*	8x44S	8x6	
Decorative Glass	.26/.27	.26/.27	.23/.20		.23/.20	.21/.15	.21/.15		.21/.15	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08			.18/.08		.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Decorative Glass – Wrought Iron	.33/.26	.33/.26			.28/.20	.25/.15	.25/.15		.25/.15		.20/.08			.20/.08					.18/.08	.20/.08	.20/.08			
Frosted Glass	.34/.30	.34/.30			.28/.23	.26/.17			.26/.17	.25/.17			.20/.09						.20/.09		.20/.09			
Privacy & Textured Glass	.26/.27				.23/.20	.21/.15			.21/.15								.18/.08		.18/.08	.18/.08	.18/.08			.18/.08
Grilles Between Glass	.34/.26				.28/.20	.25/.15			.25/.15			.20/.08	.20/.08						.20/.08	.20/.08	.20/.08			
Low-E Grilles Between Glass	.29/.14	.29/.14			.23/.10	.23/.08			.23/.08			.19/.04	.18/.04						.19/.04	.18/.04	.19/.04			
Miniblinds	.35/.25	.35/.25	.30/.18		.30/.18	.27/.14	.27/.14												.21/.07	.21/.07	.21/.07			
Low-E Miniblinds	.31/.21	.31/.21	.27/.15		.27/.15	.24/.12	.24/.12												.20/.06	.20/.06	.20/.06			
Clear Glass	.34/.30	.34/.30		.26/.17	.28/.23	.26/.17	.26/.17	.26/.17	.26/.17	.25/.17	.20/.09	.20/.09	.20/.09		.20/.09	.20/.09	.20/.09		.20/.09	.20/.09	.20/.09	.20/.09	.20/.09	.20/.09
Low-E Glass	.29/.16	.29/.16	.25/.12	.23/.09	.23/.11	.23/.09	.23/.09	.23/.09	.23/.09	.21/.09	.18/.05	.19/.05	.19/.05	.18/.05	.19/.05	.18/.05	.19/.05		.19/.05	.18/.05	.19/.05	.18/.05	.19/.05	.19/.05
Opaque																		.14/.01						
8'0" Height Doors																								
Glass Size (Inches)	22x80	20x80			22x64	22x47						22x10A			22x6		8x6		7x80					
Decorative Glass	.26/.27	.26/.27			.26/.27	.23/.20						.18/.08					.18/.08		.21/.15					
Decorative Glass – Wrought Iron	.33/.26	.33/.26			.33/.26	.28/.20													.25/.15					
Frosted Glass	.34/.30	.34/.30			.34/.30	.28/.23																		
Privacy & Textured Glass	.26/.27	.26/.27			.26/.27	.23/.20											.18/.08		.21/.15					
Grilles Between Glass	.34/.26	.34/.26			.34/.26	.28/.20						.20/.08							.25/.15					
Low-E Grilles Between Glass	.29/.14	.29/.14			.29/.14	.23/.10						.19/.04							.21/.08					
Miniblinds	.35/.25	.35/.25			.35/.25	.30/.18													.27/.14					
Low-E Miniblinds	.31/.21	.31/.21			.31/.21	.27/.15													.24/.12					
Clear Glass	.34/.30	.34/.30			.34/.30	.28/.23						.20/.09			.20/.09		.20/.09		.25/.17					
Low-E Glass	.29/.16	.29/.16			.29/.16	.23/.11						.19/.05			.19/.05		.19/.05		.21/.09					
Opaque																		.14/.01						

*Also includes arch and round top lite.

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Steel Impact Rated Doors



Glass Designs												
6'8" Height Doors												
Glass Size (Inches)	22x64	20x64	16x64	14x64	22x47	22x36	20x36	21x15	8x36	7x64	8x47	8x36
Decorative Glass	.28/.26	.28/.26			.25/.19	.22/.14	.22/.14	.18/.07	.18/.07	.18/.07	.18/.07	.18/.07
Decorative Glass – Wrought Iron	.30/.25				.26/.18	.23/.14		.19/.07	.19/.07	.19/.07	.19/.07	.19/.07
Frosted Glass	.30/.28	.30/.28			.26/.21	.23/.16			.19/.08	.19/.08		.19/.08
Privacy & Textured Glass	.28/.26				.25/.19	.22/.14			.18/.07	.18/.07	.18/.07	.18/.07
Grilles Between Glass	.31/.25	.31/.25			.27/.18	.24/.14			.19/.07	.19/.07		.19/.07
Low-E Grilles Between Glass	.25/.13	.25/.13			.23/.10	.21/.08			.18/.04	.18/.04		.18/.04
Miniblinds	.35/.23	.35/.23	.30/.17		.30/.17	.26/.13	.26/.13			.21/.06	.21/.06	.21/.06
Low-E Miniblinds	.30/.23	.30/.23	.26/.17		.26/.17	.23/.13	.23/.13			.19/.06	.19/.06	.19/.06
Clear Glass	.30/.28	.30/.28		.23/.16	.26/.21	.23/.16	.23/.16		.19/.08	.19/.08	.19/.08	.19/.08
Low-E Glass	.24/.15	.24/.15		.20/.09	.21/.11	.20/.09	.20/.09	.17/.05	.17/.05	.17/.05	.17/.05	.17/.05
8'0" Height Doors												
Glass Size (Inches)	22x80	20x80		14x80		22x47				7x80		
Decorative Glass	.28/.26	.28/.26				.25/.19				.22/.14		
Decorative Glass – Wrought Iron	.30/.25					.26/.18				.23/.14		
Frosted Glass	.30/.28	.30/.28				.26/.21				.23/.16		
Privacy & Textured Glass	.28/.26					.25/.19				.22/.14		
Grilles Between Glass	.31/.25	.31/.25				.27/.18				.24/.14		
Low-E Grilles Between Glass	.25/.13	.25/.13				.23/.10				.21/.08		
Miniblinds	.35/.23	.35/.23				.30/.17				.26/.13		
Low-E Miniblinds	.30/.23	.30/.23				.26/.17				.23/.13		
Clear Glass	.30/.28	.30/.28		.26/.21		.26/.21				.23/.16		
Low-E Glass	.24/.15	.24/.15		.21/.11		.21/.11				.20/.09		

Note: Impact-Rated products on this page utilize impact rated glass.

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Pulse® Fiberglass Lip-Lite Doors **ENTRY DOOR - S4L-LE**



Glass Designs								
6'8" Height Doors								
Glass Size (Inches)	21x15	7x64	8x6	8x6	8x6	8x6	8x6	8x6
Decorative Glass	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Decorative Glass – Wrought Iron	.25/.15	.20/.08						
Privacy & Textured Glass	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Low-E Glass	.22/.14	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05

Glass Designs										
8'0" Height Doors										
Glass Size (Inches)	21x15	7x80	8x6	8x6	8x6	8x6	8x6	8x6	8x6	8x6
Decorative Glass	.26/.27	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Decorative Glass – Wrought Iron	.32/.26	.25/.15								
Privacy & Textured Glass	.26/.27	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Low-E Glass	.27/.25	.21/.09	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
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2020 Energy Star® Qualification Chart

Pulse® Fiberglass Impact Rated Doors



Glass Designs	
6'8" Height Doors	
Glass Size (Inches)	7x64
Decorative Glass	.18/.07
Decorative Glass – Wrought Iron	.19/.07
Privacy & Textured Glass	.18/.07
Low-E Glass	.19/.08
8'0" Height Doors	
Glass Size (Inches)	7x80
Decorative Glass	.22/.14
Decorative Glass – Wrought Iron	.23/.14
Privacy & Textured Glass	.22/.14
Low-E Glass	.20/.09

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
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	Indicates Product is NOT Energy Star Qualified	

Note: Impact-Rated products on this page utilize impact rated glass.

2020 Energy Star® Qualification Chart

Pulse® Steel Lip-Lite Doors



Glass Designs								
6'8" Height Doors								
Glass Size (Inches)	21x15	7x64	8x6	8x6	8x6	8x6	8x6	8x6
Decorative Glass	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Decorative Glass – Wrought Iron	.25/.15	.20/.08						
Privacy & Textured Glass	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Low-E Glass	.22/.14	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05

Glass Designs										
8'0" Height Doors										
Glass Size (Inches)	21x15	7x80	8x6	8x6	8x6	8x6	8x6	8x6	8x6	8x6
Decorative Glass	.26/.27	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Decorative Glass – Wrought Iron	.33/.26	.25/.15								
Privacy & Textured Glass	.26/.27	.21/.15	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08	.18/.08
Low-E Glass	.27/.25	.21/.09	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05	.19/.05

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

2020 Energy Star® Qualification Chart

Pulse® Steel Impact Rated Doors



Glass Designs	
6'8" Height Doors	
Glass Size (Inches)	7x64
Decorative Glass	.18/.07
Decorative Glass – Wrought Iron	.19/.07
Privacy & Textured Glass	.18/.07
Low-E Glass	.17/.05
8'0" Height Doors	
Glass Size (Inches)	7x80
Decorative Glass	.22/.14
Decorative Glass – Wrought Iron	.23/.14
Privacy & Textured Glass	.22/.14
Low-E Glass	.20/.09

KEY	Indicates Product is Energy Star Qualified in all 50 States	Numbers: U-Factor / Solar Heat Gain Coefficient x: Indicates Product Availability
	Indicates Product is Energy Star Qualified in Northern Zone	
	Indicates Product is NOT Energy Star Qualified	

Note: Impact-Rated products on this page utilize impact rated glass.



LISTING INFORMATION OF Therma Tru 20 Min (with hose) Fiberglass Fire Door PP Model
20PPFFD

SPEC ID: 25358

Therma Tru Corporation
1750 Indian Wood Circle
Maumee, OH 43537

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Fiberglass Reinforced Faced (Proprietary Core) (Simulated Panel Type or Flush) Swinging Door for installation in up to 20 minute locations (with or without hose stream-see table below). For use in any "Category C - Standard" frames. These doors may also be installed in frames listed in "Category C - Proprietary" in accordance with the frame manufacturer's individual listing. **A fire rated compression weather strip is required.**

Limitations

Cylindrical/Mortise/Deadbolt/Latches with maximum 2-3/4" backset/Card Reader/Surface Mounted Vertical Rod Fire Exit Devices/Rim-Type Fire Exit Devices/Viewers/Protection Plates/Surface Mounted Closers/Surface or Kerf Mounted Door Bottom/ Arch Top and Round Top Door Configurations.

Maximum Size of Openings

Single Swing (**with hose stream**) 3'0" wide x 6'8" high

Standard and Double Egress Pairs - Not Allowed

Testing Standard

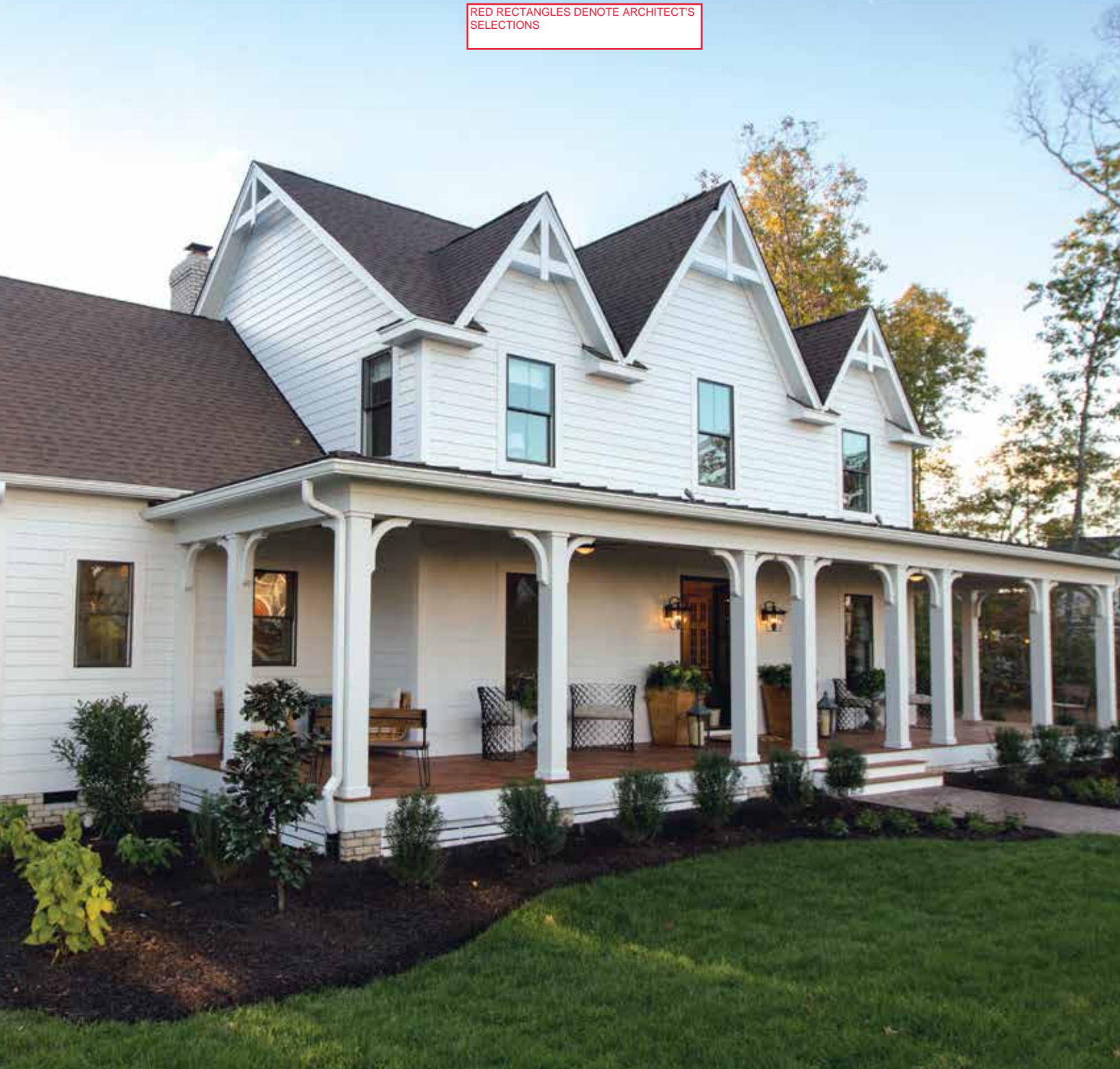
UL-10C (Positive Pressure) (2009)
 NFPA 252 (2008)
 CAN4 S104 (1985)

All assemblies are identified by a label or marking bearing the wording, "Listed (Product)", a time interval, temperature rise (if applicable), a serial number and the WHI Certification Mark.

(Unless otherwise specified, all Fire Doors have a nominal thickness of 1-3/4".)

<u>Attribute</u>	<u>Value</u>
CSI Code	08 10 00 Doors and Frames
CSI Code	08 15 00 Plastic Doors
Fire Resistance	20 Min w/Hose Stream PP Cat A Door
Swing	Single Swing
Listed or Inspected	LISTED
Report Number	100354358MID-001
Criteria	CAN4 S104 (1985)
Criteria	NFPA 252 (2008)
Criteria	UL 10(c) (2009)
Intertek Services	Certification
Listing Section	CATEGORY A - DOORS - NO ADDITIONAL EDGE-SEALING SYSTEM REQUIRED

RED RECTANGLES DENOTE ARCHITECT'S SELECTIONS



Discover a whole new
SIDE OF HOME.

Build confidently
BY DESIGN.





Installed on over 8 million homes* from coast to coast, James Hardie® fiber cement siding products are designed to resist the most extreme conditions while delivering long term beauty and lower maintenance. Enjoy the warm, natural look of wood with unprecedented peace of mind. It's easy to see what makes James Hardie the market leader.

UNIQUE FORMULATION

We use the highest quality raw materials and proprietary additives for enhanced strength and moisture protection.

FINISHING TECHNOLOGY

Baked-on color delivers a beautiful finish that resists fading and makes a lasting impression.

COMPLETE EXTERIOR

Offers homeowners an unrivaled collection of design options with exceptional warranties through a single, trusted manufacturer.

*Estimate based on total James Hardie siding sales through 2016 and average housing unit size.

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HardieZone® System

Only James Hardie® fiber cement products are Engineered for Climate®. In the northern U.S. and Canada, HZ5® products resist shrinking, swelling and cracking even after years of wet or freezing conditions. HZ10® products help protect homes from hot, humid conditions, blistering sun and more.

With James Hardie® siding and trim, homeowners have an exterior that's tougher than the elements and easy on the eyes.

NO MATTER WHAT NATURE BRINGS





HardieTrim®
Boards
Timber Bark

HardiePlank®
Lap Siding
Khaki Brown

TOUGHER THAN THE ELEMENTS



Stands up to storms and harsh weather



Water resistant to protect against swelling, warping and cracking



Won't be eaten by animals or insects



Fire resistant



Helps reduce time and money spent on maintenance

Resist the elements
WITH IRRESISTIBLE BEAUTY.

Unique Formulation

HZ5[®] Substrate

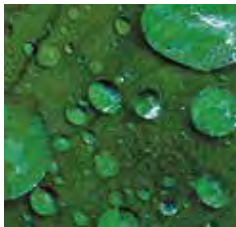
Not all fiber cement is the same. The James Hardie HZ5 product formulation contains the highest quality raw materials. Proprietary additives, combined with an innovative manufacturing process and product design, create a substrate specifically engineered to reduce moisture and resist damage from wet or freezing conditions.

PROPRIETARY ENHANCEMENTS CREATE DURABLE JAMES HARDIE[®] SIDING



Perfect balance of strength and workability

Our balance of high-quality Portland cement, sand and cellulose fiber delivers the best combination of strength and workability.



Enhanced moisture resistance for unmatched durability

Patented and proprietary additives are chemically bonded within the HZ5[®] substrate matrix to provide durable moisture resistance.



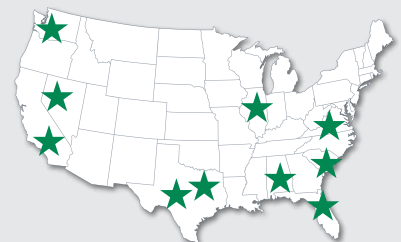
Increased dimensional stability

Our siding is engineered at the microscopic level to create a fiber cement composite with superior dimensional stability that helps protect against shrinking and splitting.



HardieTrim[®]
Boards
Arctic White

MADE IN THE
USA



Integrity is ingrained
IN EVERYTHING WE DO.

HardiePlank®
Lap Siding
Evening Blue



The advanced design of HZ5® lap siding improves drainage from top to bottom.

In addition to the enhanced moisture resistance of our product formulation, HardiePlank® HZ5® lap siding features a modified profile with a sloped top and bullnose drip edge for improved drainage over the entire outer face of the board.



Sloped Top

Positive slope at top drains moisture to outer face of lap



Profiled Drip Edge

Bottom bullnose drip edge allows moisture to drain away from lap

Finishing Technology

Primer

A quality primer is the first step to ensuring that the paint color you select beautifully expresses a home's true character now – and for years to come. Our distinctive primer is climate-tested and engineered to enhance the performance of paint on James Hardie® fiber cement siding products. It helps to provide consistent, long-lasting paint adhesion, even in the most demanding conditions.

ColorPlus® Technology

Our advanced ColorPlus® Technology finishes deliver the ultimate in aesthetics and performance. Our products aren't simply painted at the factory. Our proprietary coatings are baked onto the board, creating a vibrant, consistent finish that performs better, lasts longer and looks brighter on your homes.



Exceptional finish adhesion

Our proprietary coating is engineered for exceptional adhesion to our substrate and applied to the surface, edges and features for durable performance.



Superior color retention

Finish is cured onto boards for a stronger bond, which allows for exceptional resistance to cracking, peeling and chipping.



Superior UV resistance

ColorPlus® Technology finishes retain vibrancy longer when compared to vinyl siding and typical field paints on other siding products.



ColorPlus®
Technology



HardieShingle®
Straight Edge
Cobble Stone

HardieTrim®
Boards
Arctic White

HardiePlank®
Lap Siding
Cobble Stone

Lasting beauty **BEGINS WITH THE FINISH.**

Our finishes help eliminate stress and reduce costly weather delays when it's too cold or damp to paint for extended periods. Now there's no reason to question whether or not sub-optimal painting conditions will negatively affect your paint job. In fact, there's no longer any need to paint on-site during installation.

ColorPlus® Technology finishes are fully cured in a controlled environment and arrive on your job site ready for year-round installation.





ColorPlus®
Technology
Pearl Gray

ColorPlus®
Technology
Iron Gray

For complete confidence wrap your
ENTIRE EXTERIOR WITH JAMES HARDIE.



James Hardie Complete Exterior™

Top to bottom, our exterior product line is defined by excellent performance, aesthetics and design options.

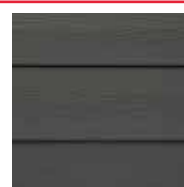
Provide protection from the elements, showcase a homeowner's individual style and install peace of mind with exceptional warranties through a single, trusted manufacturer.



HardieShingle® Siding



HardiePanel® Vertical Siding & HardieTrim® Batten Boards



HardiePlank® Lap Siding



HardieTrim® Boards



HardieSoffit® Panels

HardiePlank®

Sleek and strong, HardiePlank® lap siding is not just our best-selling product – it's the most popular brand of siding in America.

With a full spectrum of colors and textures, homeowners can enjoy protection from the elements and the versatility to make their dream home a reality. From Victorians to Colonials, HardiePlank lap siding sets the standard in exterior cladding.

HardieTrim®
Boards
Arctic White

HardiePlank®
Lap Siding
Select Cedarmill®
Khaki Brown

A classic look for
THE HOME OF THEIR DREAMS.

HardiePlank®

Thickness 5/16 in
Length 12 ft planks

SELECT CEDARMILL® & SMOOTH

	Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*
Exposure		4 in	5 in	6 in	7 in	8 in
Prime Pcs/Pallet		360	308	252	230	190
ColorPlus Pcs/Pallet		324	280	252	210	—
Pcs/Sq		25.0	20.0	16.7	14.3	12.5

SELECT CEDARMILL®



	Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*
STATEMENT COLLECTION™			✓		✓	
DREAM COLLECTION™		✓	✓	✓	✓	
PRIME		✓	✓	✓	✓	✓

SMOOTH



	Width	5.25 in	6.25 in	7.25 in	8.25 in	9.25 in*
STATEMENT COLLECTION™			✓		✓	
DREAM COLLECTION™		✓	✓	✓	✓	
PRIME		✓	✓	✓	✓	

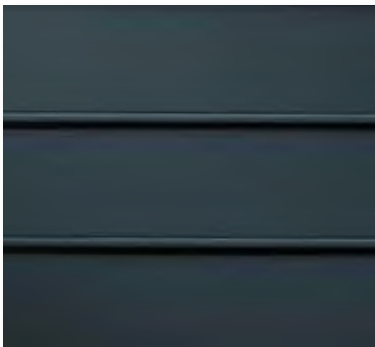
BEADED CEDARMILL®



BEADED CEDARMILL® & BEADED SMOOTH

Width	8.25 in
Exposure	7 in
ColorPlus Pcs/Pallet	210
Pcs/Sq	14.3
STATEMENT COLLECTION™	—
DREAM COLLECTION™	✓
PRIME	—

BEADED SMOOTH



*9.25 in widths do not feature the drip edge

HardiePanel®

HardiePanel® vertical siding delivers style and substance. When combined with HardieTrim® boards, it achieves the rustic board-and-batten look that defines cottage charm. The covered seams contribute to a well-insulated home.

Its crisp, clean lines make HardiePanel vertical siding a smart choice for strong, contemporary designs.



HardiePanel®
Vertical Siding
Evening Blue

HardieTrim®
Batten Boards
Evening Blue

True to your needs of
PERFORMANCE AND BEAUTY.

HardiePanel®

Thickness 5/16 in

SELECT CEDARMILL®, SMOOTH, STUCCO & SIERRA 8

	Size 4 ft x 8 ft	4 ft x 10 ft
Prime Pcs/Pallet	50	50
ColorPlus Pcs/Pallet	50	50
Pcs/Sq	3.2	2.5

SELECT CEDARMILL®



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		✓
DREAM COLLECTION™	✓	✓
PRIME	✓	✓

SMOOTH



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		✓
DREAM COLLECTION™	✓	✓
PRIME	✓	✓

STUCCO



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		
DREAM COLLECTION™	✓	✓
PRIME	✓	✓

SIERRA 8



	Size 4 ft x 8 ft	4 ft x 10 ft
STATEMENT COLLECTION™		
DREAM COLLECTION™		
PRIME	✓	✓

HardieShingle®

Restore the look of a grand Cape Cod or add distinction to a handsome bungalow. HardieShingle® siding embodies the enchanting look of cedar shingles with lower maintenance.

Better than the real thing, HardieShingle siding resists rotting, curling, warping and splitting.



HardieTrim®
Boards
Arctic White

HardieShingle®
Straight
Edge Panel
Pearl Gray

Achieve the handcrafted
LOOK OF CEDAR.

HardieShingle®

Thickness 1/4 in



STAGGERED EDGE PANEL

Length	48 in
Height	15.25 in
Exposure	6 in
ColorPlus Pcs/Pallet	100
Sq/Pallet	2
Pcs/Sq	50.0

STATEMENT COLLECTION™ _____

DREAM COLLECTION™

PRIME _____



STRAIGHT EDGE PANEL

Length	48 in	48 in
Height	14 in	15.25 in
Exposure	5 in	7 in
ColorPlus Pcs/Pallet	120	86
Sq/Pallet	2	2
Pcs/Sq	60.0	43.0

STATEMENT COLLECTION™

DREAM COLLECTION™

PRIME _____



HALF ROUNDS

Length	48 in
Height	15.25 in
Exposure	7 in
Prime Pcs/Pallet	86
Sq/Pallet	2
Pcs/Sq	43.0

STATEMENT COLLECTION™ _____

DREAM COLLECTION™ _____

PRIME

HardieTrim®

Form meets function at every angle with HardieTrim® boards. With an authentic look, HardieTrim boards provide design flexibility for columns, friezes, doors, windows and other accent areas.

Better than wood, it will complement your long-lasting, lower maintenance James Hardie® siding – adding punctuation to your design statement.

HardieTrim®
Boards
Khaki Brown

HardiePlank®
Lap Siding
Navajo Beige

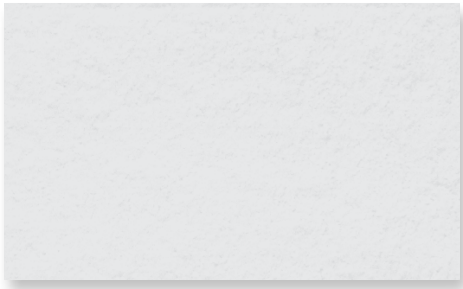
The performance you require.

THE DISTINCTIVENESS YOU DESIRE.

HardieTrim®

Length 12 ft boards

NT3® BOARDS SMOOTH



4/4 SMOOTH

Thickness	.75 in				
Width	3.5 in	5.5 in	7.25 in	9.25 in	11.25 in
ColorPlus Pcs/Pallet	312	208	156	104	104

STATEMENT COLLECTION™	✓	✓	✓		✓
DREAM COLLECTION™	✓	✓	✓	✓	✓
PRIME					

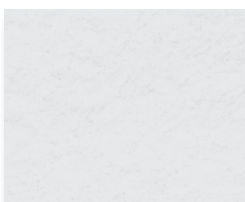
5/4 SMOOTH

Thickness	1 in					
Width	3.5 in	4.5 in	5.5 in	7.25 in	9.25 in	11.25 in
ColorPlus Pcs/Pallet	240	200	160	120	80	80

STATEMENT COLLECTION™	✓	✓	✓	✓		✓
DREAM COLLECTION™	✓	✓	✓	✓	✓	✓
PRIME						

BATTEN BOARDS

SMOOTH



RUSTIC GRAIN®



SMOOTH & RUSTIC GRAIN®

Thickness	.75 in
Width	2.5 in
Prime Pcs/Pallet	190
ColorPlus Pcs/Pallet	437

STATEMENT COLLECTION™	✓
DREAM COLLECTION™	✓
PRIME	✓

HardieSoffit®

A home is only as strong as its weakest point. HardieSoffit® panels reinforce your work by protecting the vulnerable gap between eaves and exterior walls.

Available in vented, non-vented and a range of pre-cut sizes, these panels complete your design and help protect it from moisture and pests.

VENTILATION BENEFITS

Using vented soffit improves ventilation in the attic space and reduces the chance of water vapor condensation that can lead to issues such as mold and mildew growth, stained ceilings and damage to the framing of the house.

In warm climates, HardieSoffit panels allow hot, humid air to escape, which not only helps prevent condensation in the attic, but can also help reduce air conditioning costs.

In cool climates, HardieSoffit panels help prevent condensation from forming on the interior side of the roof sheathing and reduce the chances of roof-damaging ice dams.



HardieSoffit®
Panels
Dream Collection™
product

For complete confidence
EVERY DETAIL MATTERS.

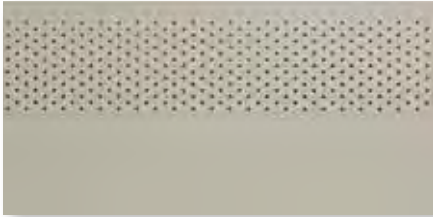
HardieSoffit®

Thickness 1/4 in

VENTED SMOOTH & SELECT CEDARMILL®

Length	12 ft	12 ft	8 ft
Width	12 in	16 in	24 in
Prime Pcs/Pallet	200	150	100
ColorPlus Pcs/Pallet	216	156	108

VENTED SMOOTH



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
------	---------------	---------------	--------------

STATEMENT COLLECTION™

DREAM COLLECTION™

PRIME

✓	✓	✓
✓	✓	✓

VENTED SELECT CEDARMILL®



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in
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STATEMENT COLLECTION™

DREAM COLLECTION™

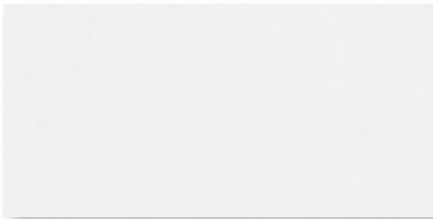
PRIME

✓	✓	✓

NON-VENTED SMOOTH & SELECT CEDARMILL®

Length	12 ft	12 ft	8 ft	8 ft
Width	12 in	16 in	24 in	48 in
Prime Pcs/Pallet	200	150	100	50
ColorPlus Pcs/Pallet	216	156	108	—

NON-VENTED SMOOTH



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
------	---------------	---------------	--------------	--------------

STATEMENT COLLECTION™

DREAM COLLECTION™

PRIME

✓	✓	✓	
✓	✓	✓	✓

NON-VENTED SELECT CEDARMILL®



Size	12 ft x 12 in	12 ft x 16 in	8 ft x 24 in	8 ft x 48 in
------	---------------	---------------	--------------	--------------

STATEMENT COLLECTION™

DREAM COLLECTION™

PRIME

✓	✓	✓	

BEADED PORCH PANEL



Thickness	1/4 in
Length	8 ft
Width	48 in
ColorPlus Pcs/Pallet	50

BEADED PORCH PANEL

STATEMENT COLLECTION™

DREAM COLLECTION™

PRIME

—
✓
—

STATEMENT COLLECTION™

Make your next home stand out with our Statement Collection™ products. Carefully curated by our design experts specifically for your market, the collection brings together the most popular James Hardie ColorPlus® siding and trim styles, textures, and colors. This stunning selection is locally stocked and designed for simplicity - making it easier than ever to get a beautiful, long-lasting home exterior.

ColorPlus® Technology

Plank, Panel, Shingle and Batten Color Offering



Trim Color Offering



Colors shown are as accurate as printing methods will permit. Please see actual product sample for true color.

HardiePlank®



SELECT CEDARMILL®

Width 6.25 in 8.25 in
Exposure 5 in 7 in



SMOOTH

Width 6.25 in 8.25 in
Exposure 5 in 7 in

HardiePanel®



SELECT CEDARMILL®

Size 4 ft x 10 ft



SMOOTH

Size 4 ft x 10 ft

HardieShingle®



STRAIGHT EDGE PANEL

Height 14 in 15.25 in
Exposure 5 in 7 in

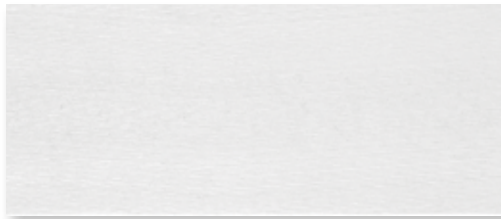
HardieTrim®

4/4 SMOOTH



Thickness .75 in
Length 12 ft boards
Width 3.5 in 5.5 in 7.25 in 11.25 in

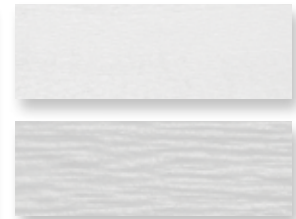
5/4 SMOOTH



Thickness 1 in
Length 12 ft boards
Width 3.5 in 4.5 in 5.5 in 7.25 in 11.25 in

BATTEN BOARDS

4/4 SMOOTH & RUSTIC GRAIN®



.75 in
2.5 in



Selecting a color? Request a product sample at jameshardiepros.com/samples

Get Inspired

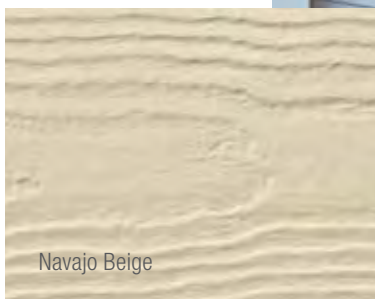
CRISP & CLEAN

LIGHT COLORS

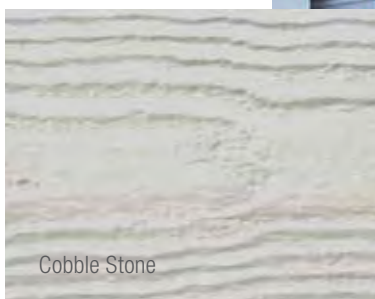
Whites and soft pastels are pure, clean, new and bright. Combine with other hues to add interest, personality and contrast. Works well on houses with Colonial Inspiration. A pastel A-frame cottage can look sweet and charming.



Arctic White



Navajo Beige



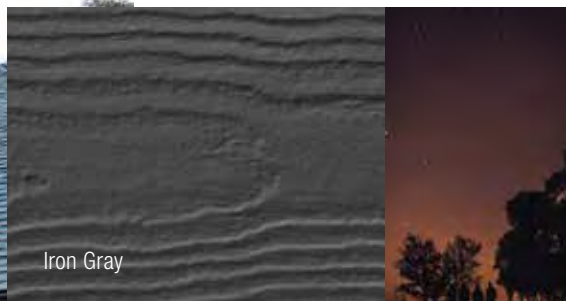
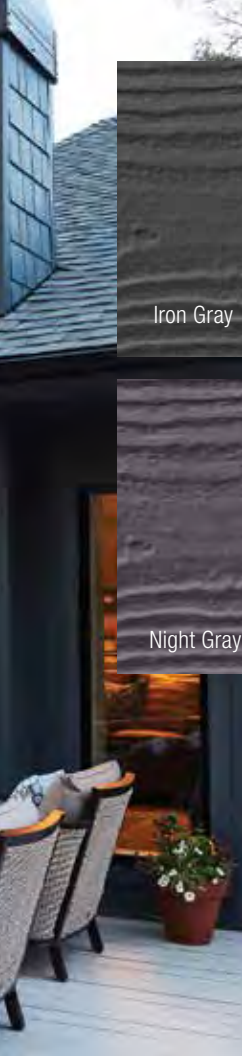
Cobble Stone



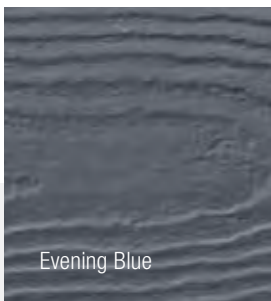
SUBTLE & SOPHISTICATED

NEUTRAL COLORS

Neutral rules the suburbs. These shades are safe, but also sophisticated. When accessorized with black or a darker color, a neutral can look fashionably stylish. Play with textures and use different tones for trim.



Iron Gray



Evening Blue



Night Gray



A BOLD CHOICE

DARK COLORS

Dark grays, blues and greens can feel both intellectual and modern. When used with white trim, they create drama. Works well in old neighborhoods, or urban environments, where there is a mix of old and new.

DREAM COLLECTION™

Looking to further express your sense of style? Look to our Dream Collection™ products.

- Featuring a color palette of over 700 ColorPlus® Technology finishes
- Made to order in a wide array of James Hardie® siding and trim styles
- Matches elevated design flexibility with the uncompromising performance of our fiber cement products

To see what's possible and order Dream Collection product samples visit jameshardiepros.com/dream



Khaki Brown



Monterey Taupe



Timber Bark



HardieWrap®

No exterior cladding can prevent 100% of water intrusion. Your homes should have an additional line of defense. HardieWrap® weather barrier provides a superior balance of water resistance and breathability, keeping the area within the wall drier. This helps prevent moisture accumulation that may lead to mold and mildew growth.

INSTALLATION ADVANTAGES

- Thicker, more durable material for easier, quicker installation
- Superior tear resistance helps prevent water infiltration
- Can be installed with staples in place of cap nails for cost savings
- Provides a higher level of performance, no matter what type of cladding you specify



We've got performance covered
FROM THE INSIDE OUT.



HardieWrap®
Weather Barrier

HardieWrap®
Pro-Flashing

HardieWrap®
Flex Flashing

HardieWrap®
Seam Tape

WEATHER BARRIER

Thickness	11 mil			
Length	100 ft	100 ft	150 ft	150 ft
Width	3 ft	9 ft	9 ft	10 ft

PRO-FLASHING

Thickness	20 mil		
Length	75 ft	75 ft	75 ft
Width	4 in	6 in	9 in

FLEX FLASHING

Thickness	60 mil	
Length	75 ft	75 ft
Width	6 in	9 in

SEAM TAPE

Thickness	3.2 mil
Length	164 ft
Width	1-7/8 in



To learn more about our weather barrier's advantages, visit jameshardiepros.com

Install Done Right

Installation Accessories

HARDIEBLADE® SAW BLADES

Manufactured by Diablo, the HardieBlade® saw blade is designed specifically to cut fiber cement products, and is the only saw blade James Hardie recommends. The blade creates clean, precise cuts while helping to reduce the amount of airborne dust produced. Specially designed to outlast other fiber cement saw blades by 3X, outlasting carbide blades by 60X.



PACTOOL® GECKO GAUGE

The PacTool® Gecko Gauge is designed to improve the installation experience, allowing one person to hang HardiePlank® lap siding during installation. Studies suggest the Gecko Gauge can improve the speed of solo installation by 30%.



Finishing Touches

ColorPlus® Technology Accessories

TOUCH-UP KITS

Specially formulated to match ColorPlus Technology finishes, our touch-up kits offer resistance to aging, color change and chalking. Estimated one kit per 4000 sq ft of siding or 1600 sq ft of trim.



COLOR MATCHED CAULK

OSI® QUAD® MAX sealant offers a high performance sealant solution to color match Statement Collection™ products.* About 18-20 linear feet per tube. Refer to packaging for manufacturer's recommendations.

**For matching Dream Collection products, contact your local James Hardie representative.*

Trim Accessories

FLAT TABS

Eliminate face nails and improve the aesthetic of trim applications around windows, doors and band boards.

CORNER TABS

Use corner tabs to eliminate face nail holes that would detract from the finished look of corner trim installations.



Find useful job-site tips in our industry-leading Best Practices Guide. For the latest installation instructions, visit jameshardiepros.com



HardieTrim®
Boards
Arctic White

HardiePlank®
Select Cedarmill®
Timber Bark

As unforgettable
AS IT IS UNCOMPROMISING.



See the James Hardie Difference



James Hardie invented fiber cement. Over 8 million homes* later, we continue to set the standard in premium, high-performance exterior cladding. Our products deliver uncompromising durability and finish quality for a beautiful, lower maintenance exterior.

Our unrivaled investment in R&D and constant innovations in product design, manufacturing and distribution allow us to remain steps ahead of the competition. With the support of our employees, partners and exceptional warranties, we're committed to protecting your customers' homes while helping your business grow.

*Estimate based on total James Hardie siding sales through 2016 and average housing unit size.

Warranty – for peace of mind

Protect your homes with North America's #1 brand of siding backed by exceptional warranties. Unlike other brands, James Hardie doesn't prorate our siding and trim warranty coverage. We stand behind our siding 100% for 30 years and trim for 15 years.

ColorPlus® Technology finishes come with a 15-year limited warranty.

James Hardie Non-Prorated Siding Substrate Warranty Coverage



Endorsements – a reputation built on trust

For decades, our fiber cement products have been used to create better places to live. Each new home stands as a testament to our uncompromising quality. That proven track record has earned the loyalty of millions of homeowners and the endorsements of trusted authorities across the building industry.



Listed as top building materials & products by **Professional Builder 2018**



Chosen by builders as a **Brand Leader** in **Builder magazine** for over 20 years



James Hardie® siding & trim products have earned the **Good Housekeeping Seal**



HardieTrim®
Boards
Arctic White

HardieShingle®
Straight Edge
Pearl Gray

Make every home
STAND UP AND STAND OUT.



HardiePanel®
Vertical Siding
Iron Gray

HardieTrim®
Batten Boards
Iron Gray

1.888.542.7343 | jameshardiepros.com

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 **JamesHardie™**
Siding | Trim

RED RECTANGLE DENOTES ARCHITECT'S SELECTIONS

Superior Product Design for Ultra-Strength



High-strength Ultrum™ Alloy, Made in the USA

It's as strong as steel, but will never rust. Ultrum is a 6005-T5 alloy, with a minimum ultimate strength of 35,000 psi.



Factory assembled, with stainless-steel fasteners

For structural integrity and strength you can count on.



All gates are fastened and 100% welded at all connections and joints
Designed to stand up to the rigors of everyday use.



Powercoat™ Finish—panels, gates, posts and designer accessories

Our Powercoat™ finish is twice the thickness and hardness of a typical acrylic, baked enamel, or “wet paint” finish, making it more durable, fade-resistant and scratch-resistant than other coatings.



Colors

Ultra Aluminum™ fencing, railing, gates and designer accessories are available in nine classic colors as well as custom specified hues. All colors are applied with an exclusive Powercoat™ finish to resist harsh weather and heat.



Colors shown represent an approximate comparison and may vary slightly from actual product color.



Ultra Aluminum™ Lifetime Warranty

Ultra Aluminum fence and railing products are guaranteed for life against defects in workmanship and/or materials. The exclusive Powercoat™ finish on all fencing and railing by Ultra Aluminum is unconditionally guaranteed for life against cracking, peeling or chipping. Visit our website for more information and a copy of the warranty.



Environmentally Responsible

We are proud to use recycled aluminum in our products. Aluminum is the most commonly recycled metal in the world. Our Powercoat™ coating process is environmentally friendly and virtually pollution-free.



ULTRAFENCE.COM | ULTRARAILING.COM

UA 06 9/19

800.656.4420

Ultra and the picket caps logo is a registered trademark of Ultra Aluminum Manufacturing Inc.



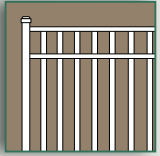
Aluminum Fencing and Railing



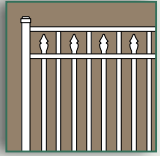
Residential, Commercial and industrial



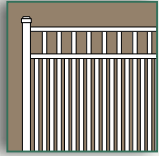
Ultra Fencing™ Design Options



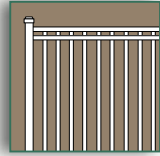
UAF-200 Flat-Top



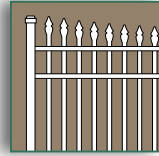
UAF-250 Flat-Top with Spear



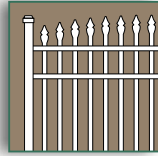
UAF-201 Flat-Top with 1-5/8" Spacing



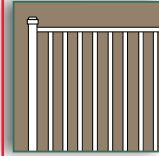
UAB-200 Flat-Top Flush



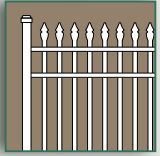
UAS-300 Concave



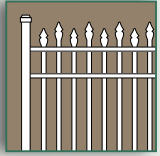
UAS-350 Convex



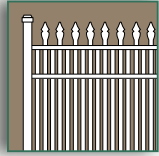
UAB-400 Ultra Picket



UAS-100 Spear Top



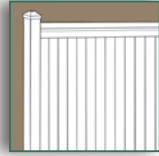
UAS-150 Staggered Spear



UAS-101 Spear Top with 1-5/8" Spacing



UAL-100 Curved-Top with Spear



Eclipse™ Privacy

Ultra Aluminum™ fencing is available in a wide selection of design configurations. Residential available in 3-13/16" or 1-5/8" spacing. Commercial available in 3-5/8" or 1-1/2" spacing. Industrial fencing not available in UAB-200 or UAB-400.

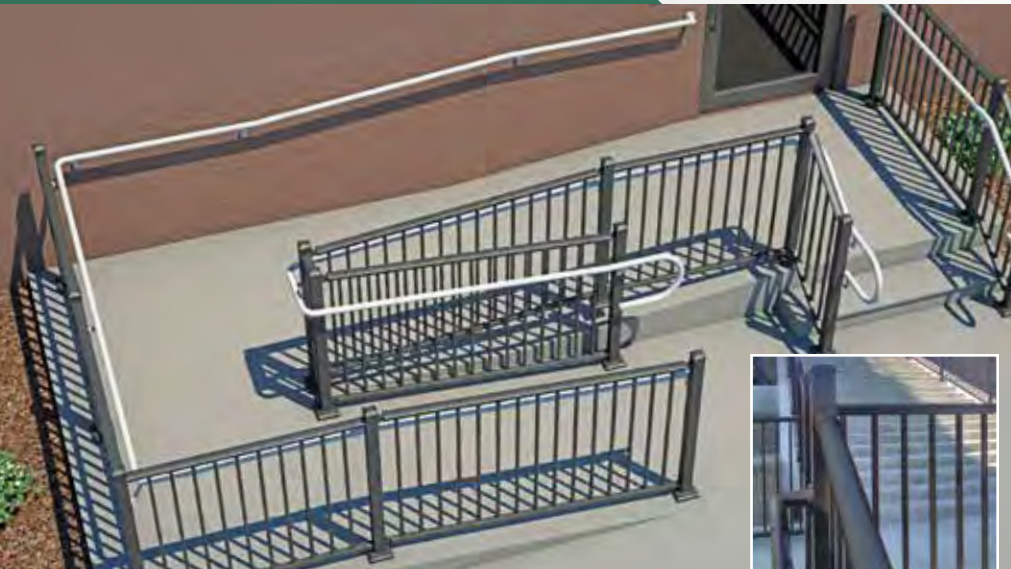
Designer Accessories

Our cast aluminum designer accessories include scrolls, butterflies, circles and two styles of finials, all available in the same Powercoat™ finish for a perfect accent.



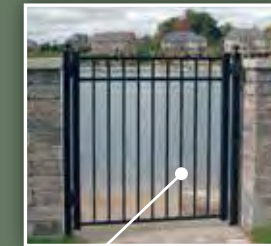
From Left To Right: Decorative Circles, Butterfly Scrolls, Large Scrolls, Quad-Finial, Tri-Finial, Ball Cap

ULTRA RAILING™



Ultra Aluminum™ 1.5" Secondary Handrails

We designed our Ultra 1.5" secondary handrail as a modular system to meet the railing code requirements for the Americans with Disabilities Act and Uniform Federal Accessibility Standards. It works well with Ultra Signature™ and Ultra Max® Railing systems.



STANDARD WALK GATE



STANDARD DRIVE GATE



ULTRA ESTATE COLLECTION DRIVE GATE

Pool Fencing

We design fencing to meet all the stringent BOCA pool safety codes, and to enhance your property at the same time. Most notably, the bottom rail can be flush with the bottom of the fence, so no pickets are exposed.

All pool fence sections come factory pre-assembled in 6' lengths with a broad offering of heights— 48", 54", 60", and 72". Custom lengths and heights available.



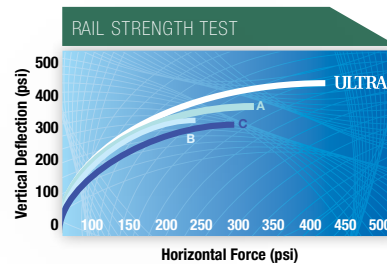
OUR FENCING IS SPECIALLY DESIGNED FOR SAFETY AROUND POOL ENCLOSURES.

Walk and Drive Gates

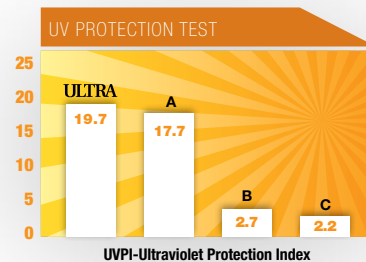
Matching Walk and Drive Gates can typically be manufactured in widths ranging from 3' – 28' and in heights from 3' – 8'. Please consult your sales representative for variations.



We make a scale of fencing for every neighborhood and home style. All fence sections come factory pre-assembled in 6' lengths with a broad offering of heights—36" to 144". Custom lengths and heights are available by special order. Each section easily follows modest changes in grade along your property lines, or can be factory designed to conform to more prominent hills and valleys.



An independent test lab pushed our fencing and our competitors' to their limits. The Rail Strength Test revealed the extra pressure that Ultrarail™ can withstand on a daily basis, surpassing one competitor's product by nearly 100%.



An independent lab's accelerated weathering test shows that the Ultra's exclusive Powercoat™ finish maintains higher levels of UV Protection compared to other leading manufacturers' finishes.

RESIDENTIAL SERIES sets the standard for perimeter and pool fencing.



1.0" X 1.125" REINFORCED RAIL
0.625" PICKETS

COMMERCIAL SERIES has larger-scale components for heavier-duty performance.



1.25" X 1.375" REINFORCED RAIL
0.75" PICKETS
1.5" SPACING (OPTIONAL)

ECLIPSE™ PRIVACY SCREENING the ultimate in heavy-duty, low-maintenance privacy and security.



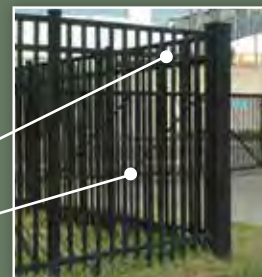
0.75" X 5.0" X .080" T&G BOARDS

Industrial Strength

For applications where additional security and strength are required, Ultra has developed Industrial Series fencing. Our Industrial fence sections come in 6' and 8' lengths, and heights from 3' to 12'. Custom lengths and heights are available by special order. Some limitations apply; ask your sales representative for details.

Industrial Series also available in Premium grade, featuring a 2-piece fully encased rail that provides additional strength and hides the fasteners.

INDUSTRIAL SERIES incorporates our largest-scale components for industrial-strength and safety.



1.625" X 1.625" REINFORCED RAIL
1.0" PICKETS

259 MPH TOUGH!

Our fencing tested to withstand hurricane wind gusts of up to 259 MPH.



WOODTONE

INTERIOR & EXTERIOR PRODUCT CATALOGUE

RED RECTANGLES DENOTE
ARCHITECT'S SELECTIONS



WOODTONE
inspired living, *inside and out*



02	Introduction
03	RealTrim™ Treated
05	RusticSeries™ Siding
09	Chrometallics™ Siding
11	ColorSelect™ Siding
13	Wall + Ceiling Collection
17	Shiplap Paneling
19	RealPost™
20	RealCorner™
21	AbsolutePost™
22	AbsoluteTrim™
23	The Woodtone Way

At Woodtone, we strive to take your vision and bring it to life. We design, manufacture and market the finest interior and exterior building products.

RealTrim™ Treated



Superior grade, treated trim product.

For four decades you've depended on us for a superior trim product. Over the years we've continued to innovate, providing the cutting edge product you need to stay on top. The two-step treated sealant process used in creating RealTrim™ Treated has been engineered by Sherwin Williams, the largest coating expert in North America.

- Industry leading 25 year limited warranty
- Tight grain, hand selected SPF wood trim
- Advanced two step treated sealant technology

TEXTURES



COMB

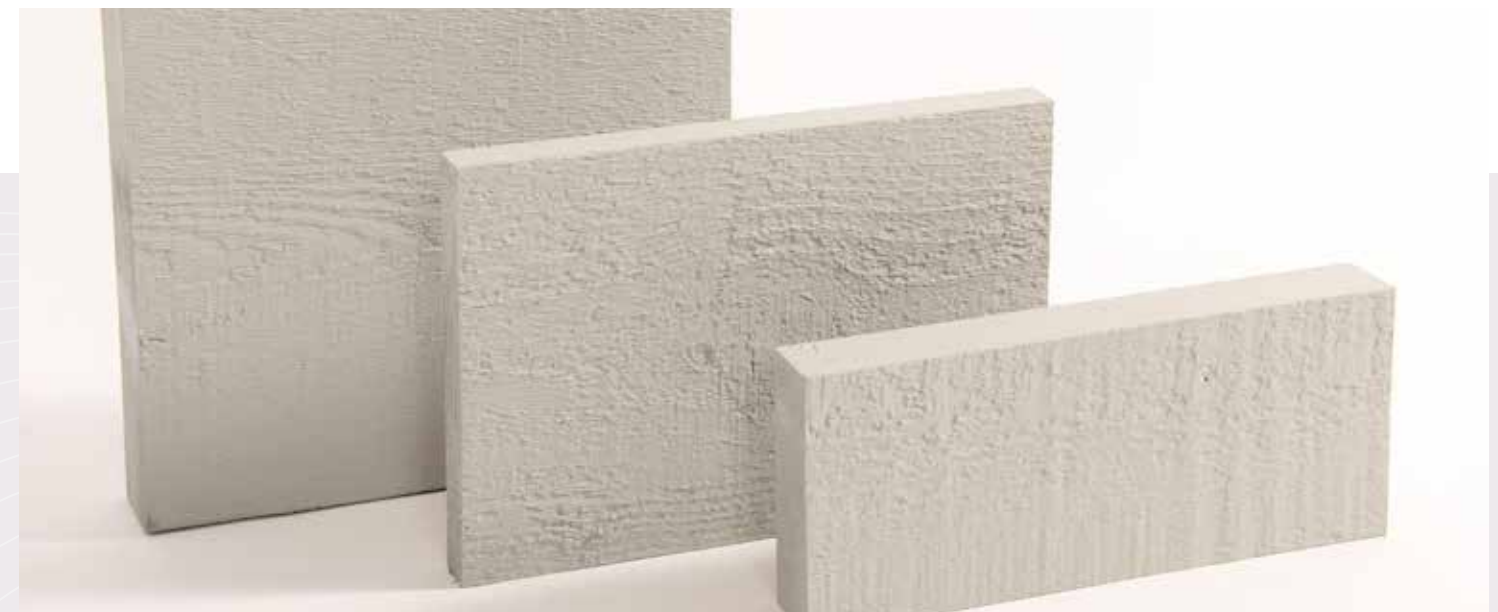
RESAWN

SMOOTH

Industry leading technology.

Durable coating technology developed by Woodtone in partnership with global coating manufacturer, Sherwin Williams with industry leading performance against mold and mildew growth, as tested by ASTM standards.

SUBSTRATE	Knotty, appearance grade SPF
PROFILES	1" (11/16), 5/4" (1 1/8), 2" (1 1/2)
WARRANTY	25 year no-rot warranty
COATING	Two step treated sealant technology



RusticSeries™ Siding Collection



SUMMER WHEAT on Allura Fiber Cement

Composite siding with the appearance of wood.

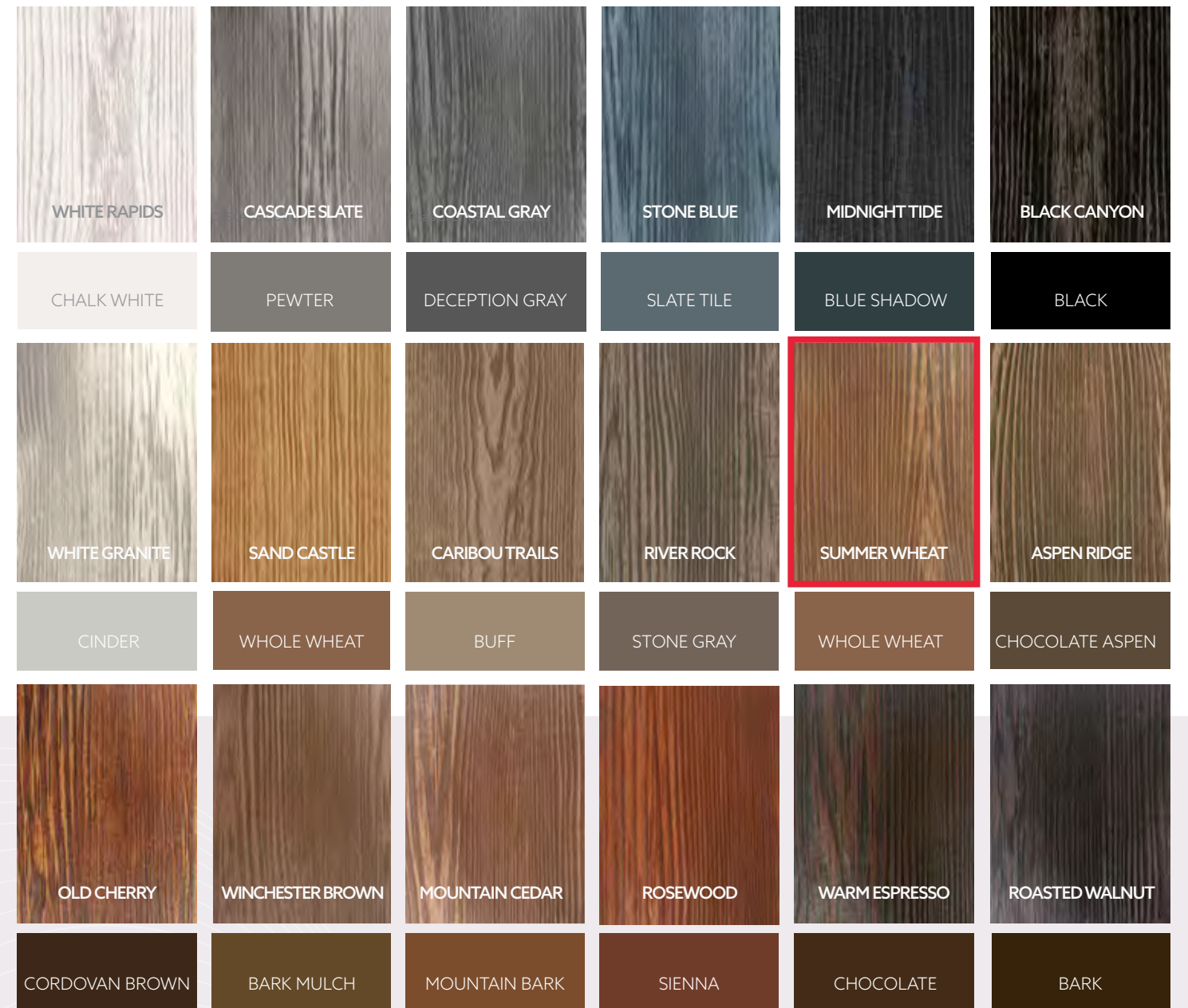
RusticSeries™ brings you the best of both worlds; the beauty and warmth of real wood on durable fiber cement and composite siding. This two tone factory applied coating system improves the curb appeal of your home, and is warranted for 20 years. RusticSeries™ will shield you from the elements and provide you with a lasting, beautiful siding product for years to come.

- 20 Year Coating Warranty
- 18 Designer Colors
- Lap, shakes and panel profiles available
- Factory coated for consistency and durability

Two-tone perfection.

Create a picture perfect exterior with our eighteen RusticSeries™ colors; select the perfect combination to suit your individual style. RusticSeries colors below are shown with a suggested solid color trim to complete the look.

SUBSTRATE	James Hardie Fiber Cement, Allura Fiber Cement, LP Smartside
PROFILE	Lap siding, panels, shake panels
WARRANTY	20 year coating warranty, plus substrate warranty
COLORS	18 color options



Note: RusticSeries™ replicates the natural beauty of wood. Each substrate and each profile of this product varies in terms of grain pattern and color variance. Due to limitations of the printing process, actual color may vary from the color shown. Refer to a physical sample for approvals.



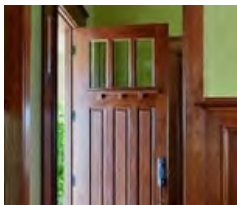
Craftsman 3 Panel 3 Light Premium Wood Pella® Entry Door

\$\$\$\$

Make your entryway the focal point of your home's exterior with a Craftsman 3 Panel 3 Light wood entry door. The 3 light traditional panel design with optional dentil shelf creates an authentically Craftsman aesthetic. Personalize your entryway with optional sidelights and transoms designed to coordinate with the Craftsman 3 Panel 3 Light entry door.

SEE OPTIONS

RED RECTANGLES INDICATE ARCHITECT'S SELECTIONS



CRAFTSMAN 3 PANEL 3 LIGHT WOOD ENTRY DOOR FEATURES

Why Wood?

- Natural durability and beauty of wood
- Each door is one-of-a-kind

Design Elements

- One-of-a-kind Mahogany wood panel
- Traditional Craftsman panel design with three lights

- Elegant Mahogany or stunning Rustic Walnut premium wood panels
- Our most customizable material
- Traditional grilles and optional dentil shelf
- Coordinating sidelights and transom available

45% off qualifying installations^{1,3}

OR

0% APR for 36 months^{2,3}

[See Details](#)

Enter Your Postal Code

50219

GET A FREE QUOTE AT HOME

PREMIUM WOOD ENTRY DOORS

Harnessing the earth's handiwork, Pella premium wood entry doors are a step above the rest. Choose the warm elegance of Mahogany or stunning Rustic Walnut for a one-of-a-kind entry door from the #1 preferred entry door brand.⁵²

EXPLORE WOOD ENTRY DOORS

BROWSE OTHER WOOD ENTRY DOORS



Planked Panel Square Light



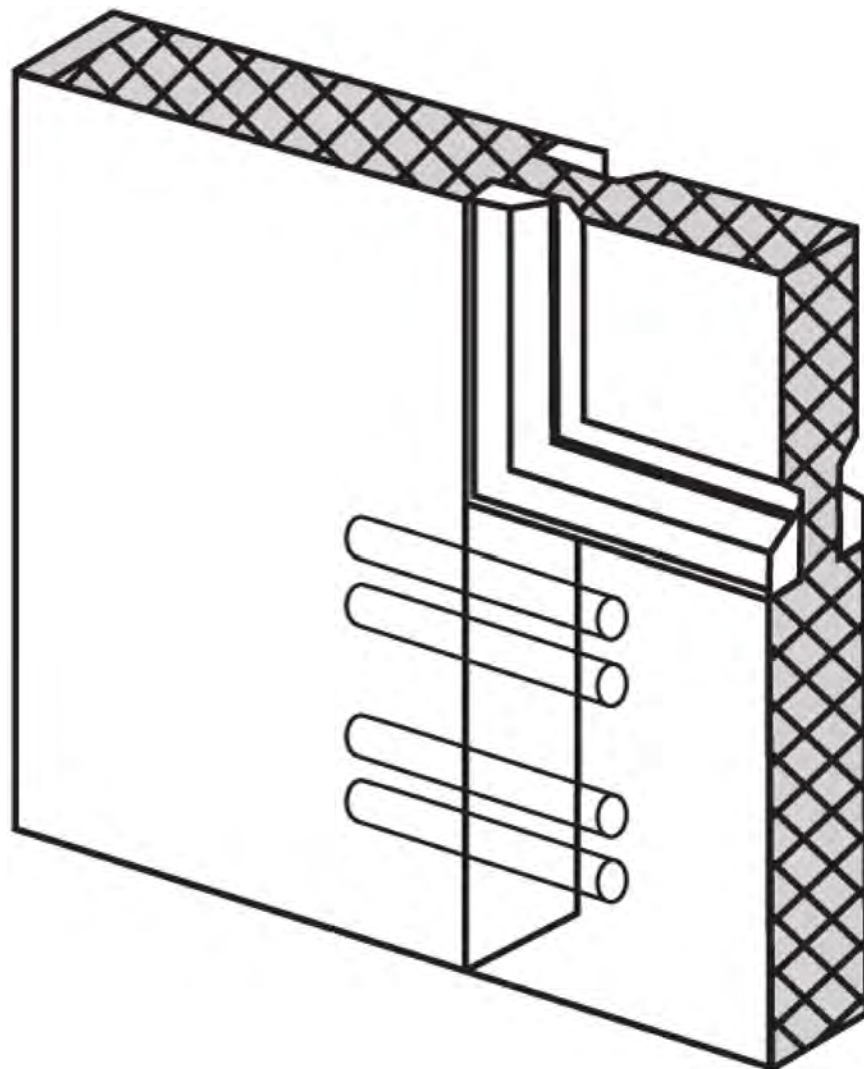
3 Panel



SEE ALL WOOD ENTRY DOORS WITH GLASS

INSIDE OUR WOOD DOORS

Designed for strength and durability, our all wood, precision-engineered premium wood entry doors are built into an ethically sourced, exotic mahogany frame. The panel features hardwood dowels for added strength and it floats within the frame to adjust to outside weather extremes.



HOW TO CHOOSE THE RIGHT DOOR FOR YOUR HOME

Your home is unique, so don't settle for just any front entry door. With many styles, sizes and materials to choose from, we can help you find what's right for your home.

SEE THE STEPS



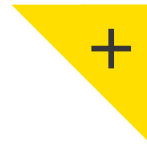
FOR THE PROS

ENTRY DOOR INSTALLATION AND PRODUCT SPECS

Whether you're working on a new construction, pocket replacement or full replacement job, find everything you need to know for your next entry door installation. Explore product specs and installation details to save time on your next project.

Browse the Product Specs

FRONT ENTRY DOOR WITH GLASS INSPIRATION



Wood Entry Door And Windows Feature Authentic Details

OPTIONS FOR CRAFTSMAN 3 PANEL 3 LIGHT WOOD ENTRY DOORS

CHOOSING YOUR ENTRY DOOR

STYLING YOUR ENTRY DOOR

ENTRY DOOR ENHANCEMENTS

CHOOSING YOUR ENTRY DOOR

COMBINATIONS

Add optional sidelights or sidelights with a transom for more light into your entryway. [Learn more about combinations.](#)



Single Door with Left Sidelight



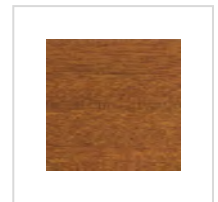
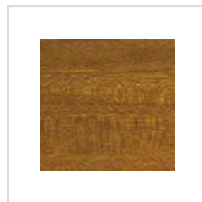
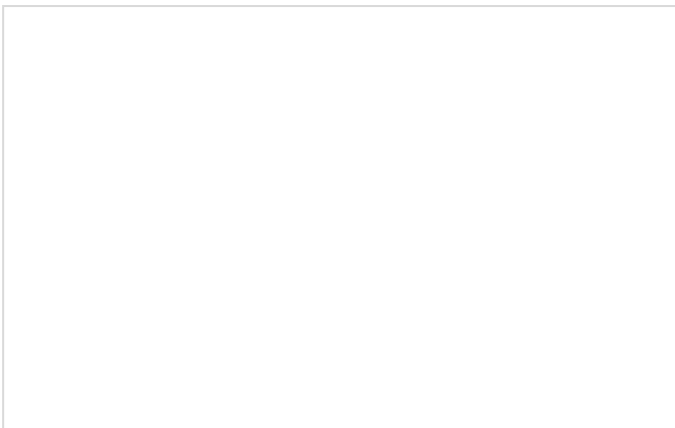
Single Door with Right Sidelight

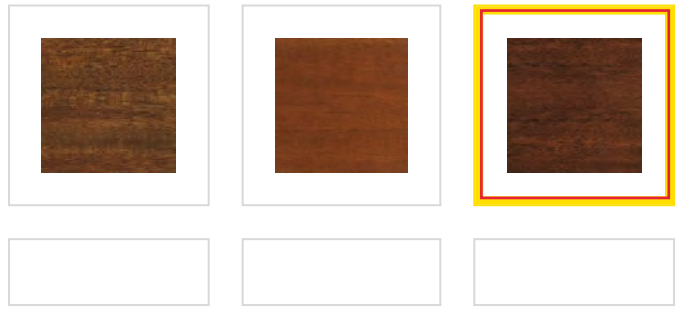


PREFINISHED STAINS

Rich, factory-applied stains provide long-lasting beauty, style and versatility. Stains are applied using our exclusive prefinish process for exceptional durability.

Mahogany

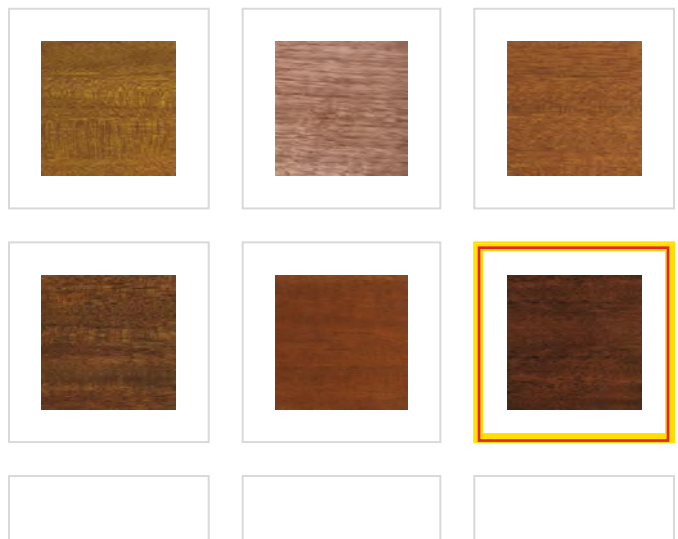




FRAME FINISHES

Coordinate the finish of your frame with your premium wood entry door for a cohesive look. Our frames use the same color on both the interior and exterior.

Mahogany

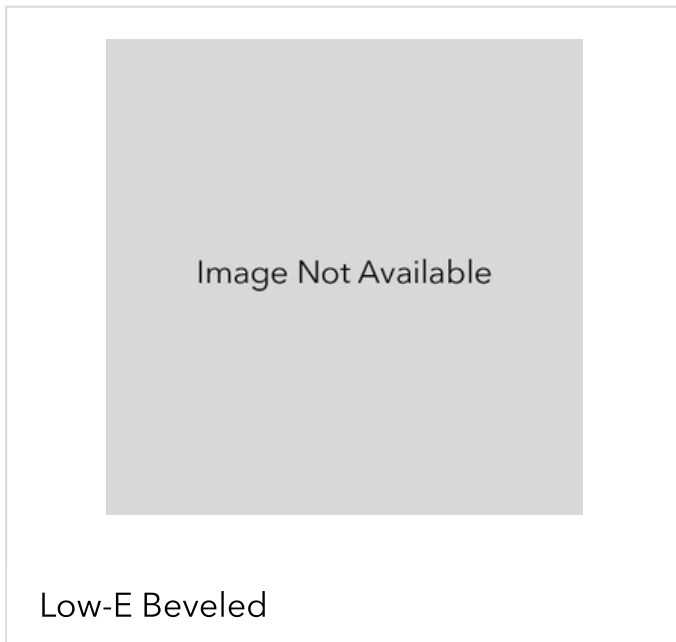


STYLING YOUR ENTRY DOOR

GLASS

Pella offers a variety of glass options to fit your style, including exclusive decorative glass designs that are hand-assembled. Low-E and obscure privacy glass are also available. [Learn more about glass collections.](#)

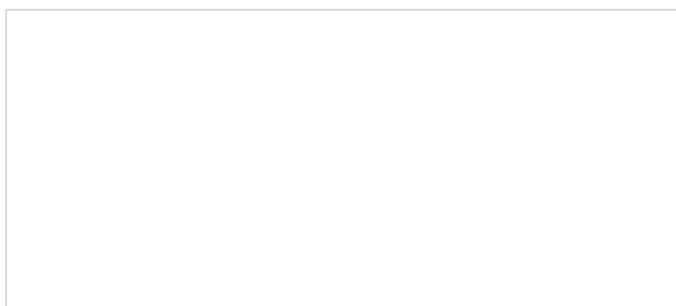
Low-E Glass



GRILLES

Add architectural interest to your wood entry door with grilles. Available in a number of styles, profiles and patterns, grilles enhance the beauty of your entryway.

Patterns Profiles





3x1 Traditional

DÉCOR

For added style, accent your premium wood door with architecturally authentic accessories. [Learn more about decor.](#)

Dentil Shelf Hinges Sill Options

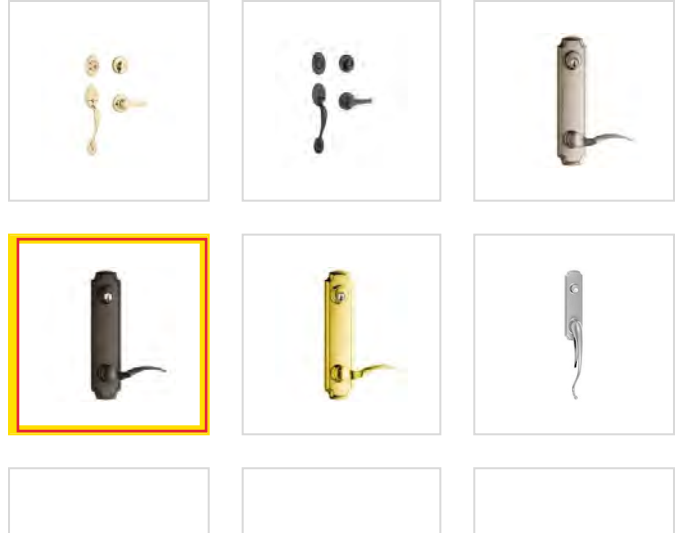
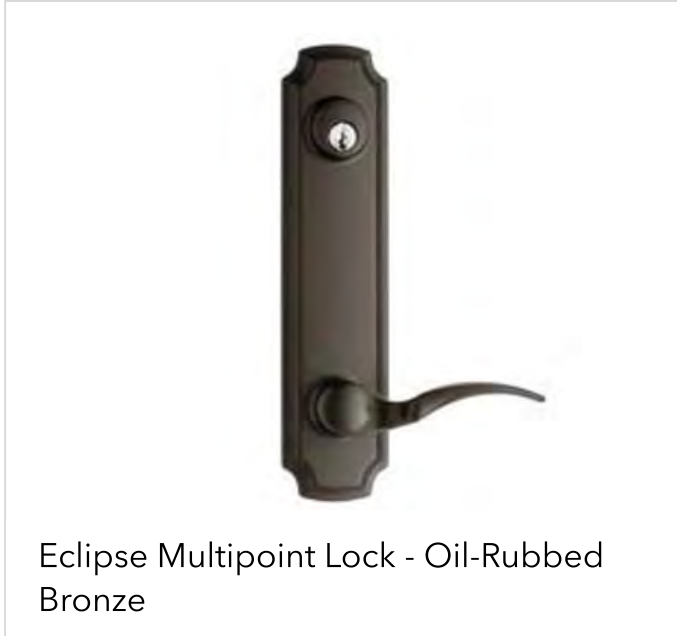


NO SHELF

HARDWARE

Our Essential Collection hardware with SmartKey Re-Key Technology adds a finishing touch to the unique look of your home. Optional multipoint lock secures the door in three places with one twist of the thumbturn. [Learn more about hardware](#)

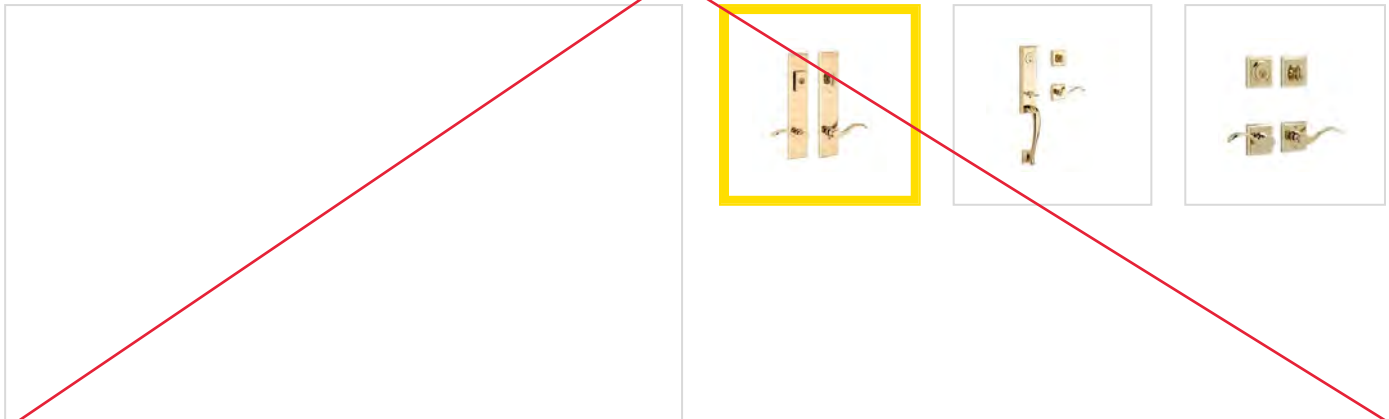
Essential Collection



~~BALDWIN® HARDWARE COLLECTION~~

~~Add personality to your door with our beautiful hardware collections - created with the sophistication you would expect from Pella and Baldwin Reserve™ Hardware. Choose from our Classic, Modern and Rustic Collections all with SmartKey Re-Key Technology. Optional multipoint lock secures the door in three places with one twist of the thumbturn.~~

~~Classic Collection Rustic Collection Modern Collection~~



Learn About Performance



RED RECTANGLES DENOTE
ARCHITECT'S SELECTIONS

MADE WITH CARE

We take pride in the little details and strive for perfection. Pella wood craftsmen who average over 14 years' experience tailor-make these windows and doors for you and your home.





ARCHITECT SERIES - TRADITIONAL SINGLE-HUNG WINDOW SPECS & INSTALL DETAILS

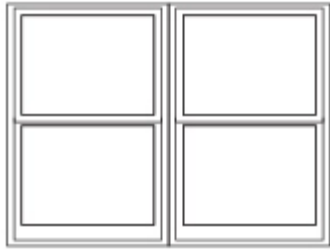
- Optional integrated wireless security sensors maintain aesthetics, streamline security installation and ensure no warranty loss is caused by post-installation drilling
- Performance class and grade CW30-CW50 and STC of 26-34
- Available in sizes from 14" x 24" to 54" x 96" in 1/8" increments
- Installation options include Fold-out Fin, Block Frame, EnduraClad Exterior Trim / Brickmould
- EnduraClad® aluminum-clad exteriors provide exceptional protection for lasting performance

REQUEST A PROJECT QUOTE

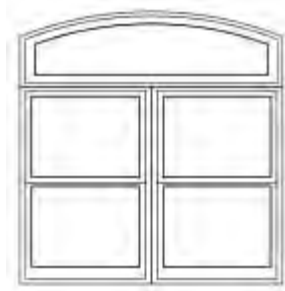


COMBINATIONS

Create window combinations to add architectural interest to your home. Other combinations are also available. See your Pella sales representative for the complete offering.



2 wide



Transom over 2 wide

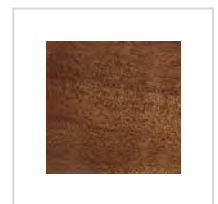
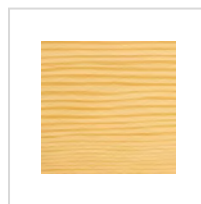
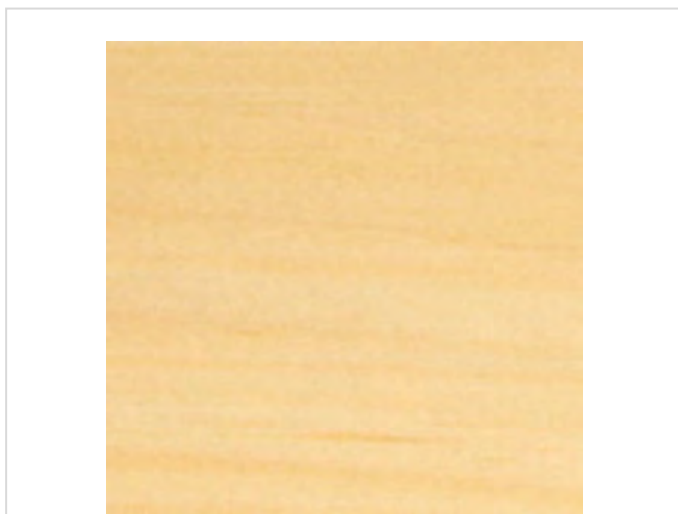


MATERIALS

Architect Series products offers three exquisite wood types to enhance your home's design. [Learn more about materials.](#)

And, we stand behind them with a limited lifetime warranty. See written Limited Warranty for details, including exceptions and limitations.

Materials



For Pros

Materials

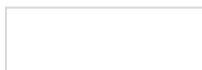
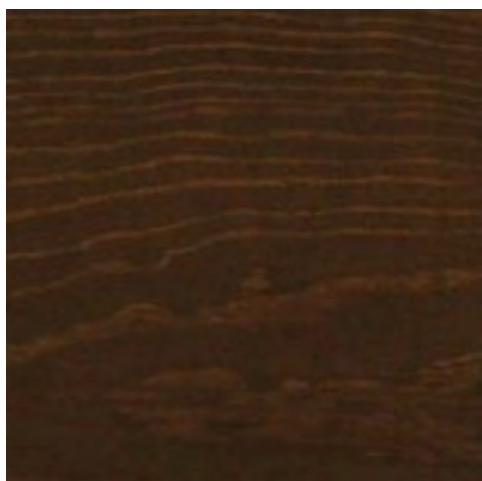
Pella's EnduraGuard® wood protection formula has three active ingredients. This powerful combination, together with our immersion-treatment method, helps ensure strong protection on every exterior wood surface of our products. The result is advanced protection against the effects of moisture, decay and stains from mold and mildew.



INTERIOR FINISHES

Pella wood products can arrive with factory-prefinished interiors in your choice of eleven beautiful stain colors or four paint colors. Primed ready-to-paint interiors are also available.²

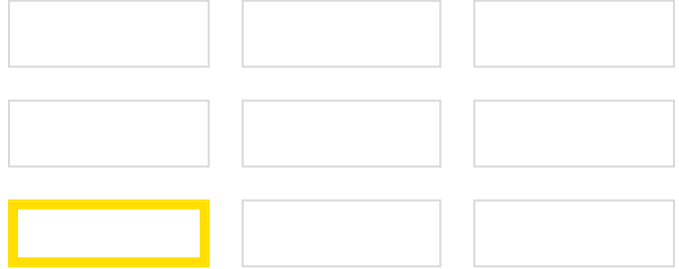
Stains Paints



EXTERIOR FINISHES

Our low-maintenance, aluminum-clad exteriors with EnduraClad® resist chalking and fading and are available in 27 standard colors and custom options to meet your design needs. Take durability further with EnduraClad Plus protective finish, which meets the industry’s highest exterior coating standard to defend against chalking and fading.⁵⁷

Exterior Finish



For Pros

Exterior Finishes

Aluminum-clad wood products are available with Pella's high performance EnduraClad® protective finishes or EnduraClad Plus protective exterior finishes to help keep your vision fresh and crisp for years.

- Durable, low-maintenance EnduraClad aluminum cladding with EnduraClad protective finish for most projects where resistance to fading, chalking, chemicals and abrasion is needed. Meets the performance requirements of AAMA 2603.



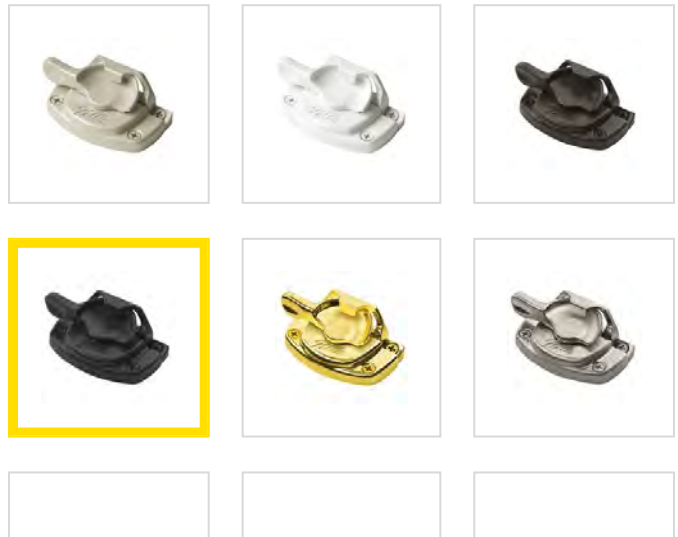
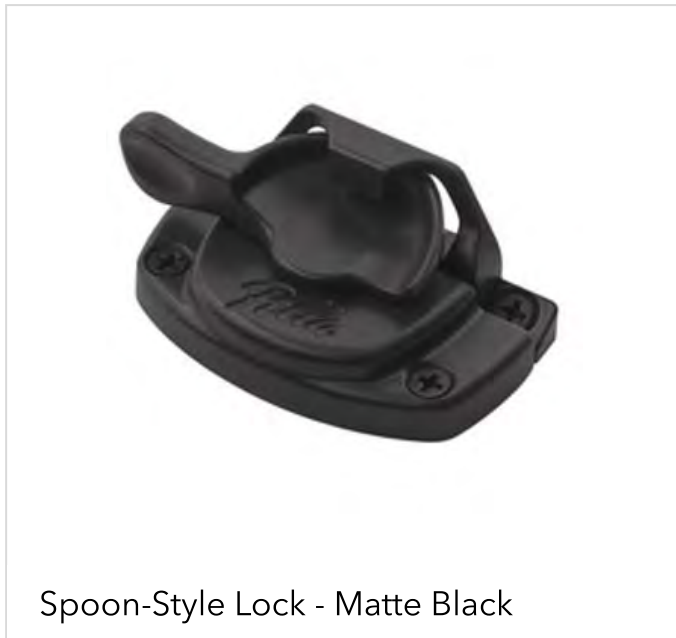
strength 70% fluoropolymer resin finishes can deliver. Meets the performance requirements of AAMA 2605.

STYLING YOUR WINDOW

HARDWARE

Pella's hardware styles are available in today's most popular finishes.

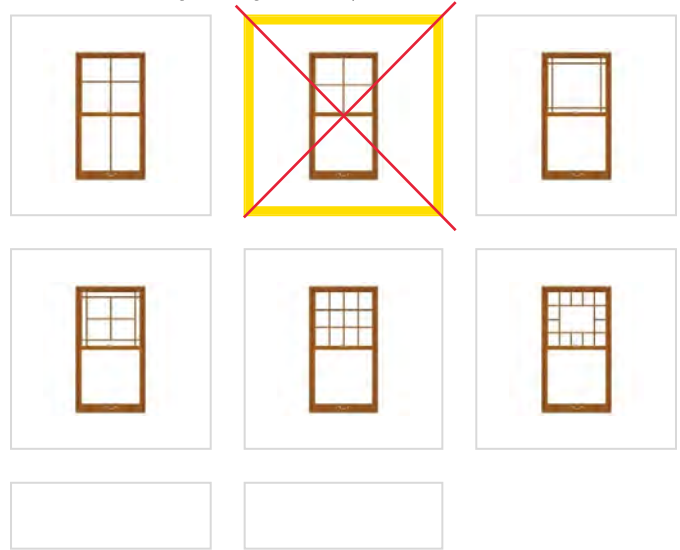
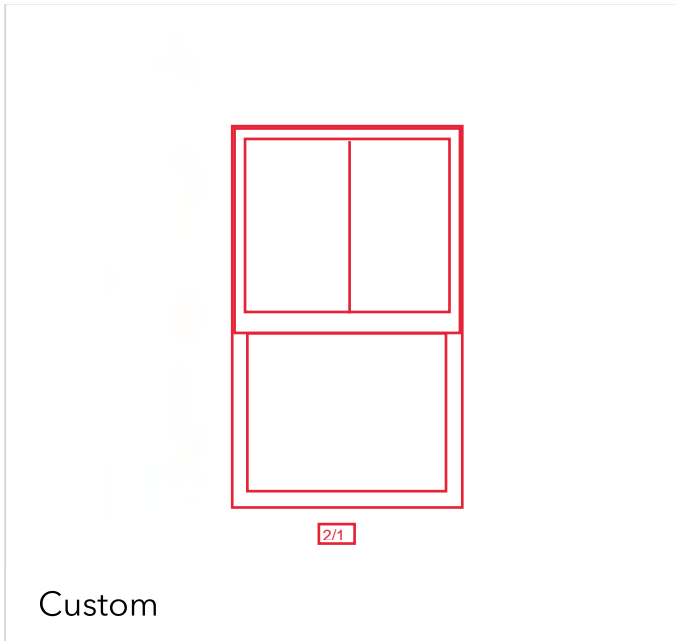
Classic Collection Rustic Collection Essential Collection



GRILLE PATTERNS

Grilles give the appearance of individual windowpanes. Pella offers many grille patterns to help enhance your home's architectural style.





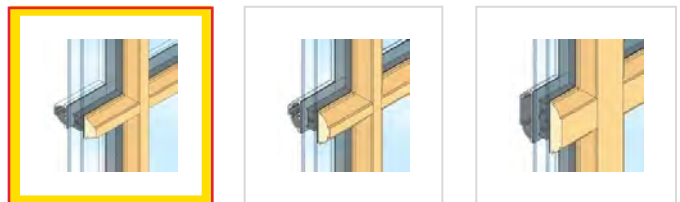
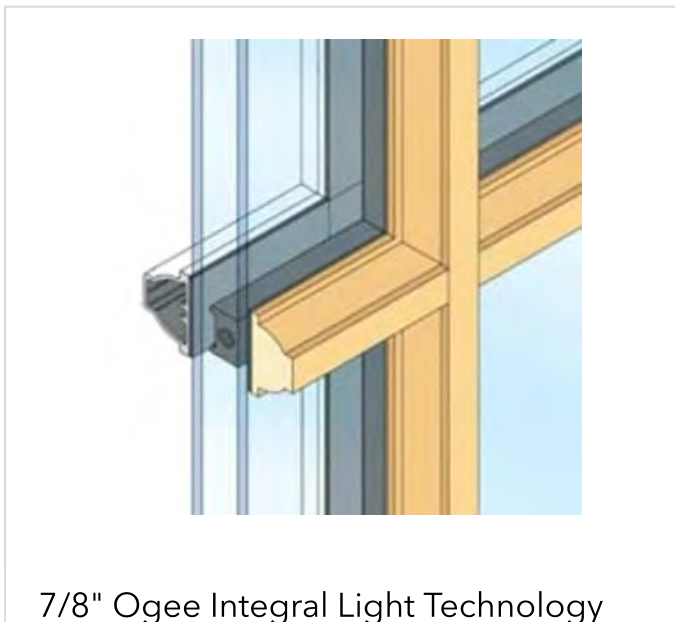
GRILLE PROFILES

For the classic look of individual windowpanes, choose grilles-between-the-glass, removable roomside grilles or Integral Light Technology Grilles. [Learn more about grilles.](#)

Integral Light Technology® Grilles

Removable Roomside Wood Grilles

Grilles-Between-the-Glass



For Pros



Product Selection Guide

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The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local Pella representative for up-to-date product information.



Architect Series® Traditional Hung Window

Size and Performance Data

	Clad LX	Wood LX	Clad SE
Sizes			
Standard double-hung vent/fixed sizes	●	●	●
Transom sizes	●	●	●
Egress sizes	●	●	●
Single-hung	●	●	–
Simulated-hung	●	●	–
Single-hung – arch head	●	●	–
Cottage sash split	●	●	●
Variable sash split	●	●	–
Special sizes available	●	●	●
Performance¹			
Meets or Exceeds AAMA/WDMA Ratings	H-CW30 - CW50 Hallmark Certified	H-CW30 - CW45 Hallmark Certified	H-CW30 - CW50 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure) ²	0.11	0.11	0.11
Water Resistance	4.6 - 7.5 psf	4.6 - 6.9 psf	4.6 - 7.5 psf
Design Pressure	30 - 50 psf	30 - 45 psf	30 - 50 psf
Products with Impact-resistant Glass	CW - 60 Hallmark Certified	–	–
Other Performance Criteria			
Forced Entry Resistance Level (Minimum Security Grade) ³	10	10	10
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ⁴	40/45	40/45	40/45

Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Tested ⁵	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Architect Series Wood LX window	WITH INTEGRAL GRILLES						
	45" x 65"	11/16"	2.5 mm	2.5 mm	–	27	24
	45" x 65"	11/16"	3 mm	6 mm Laminated	–	34	29
	WITH REMOVABLE OR NO GRILLES						
	45" x 65"	11/16"	2.5 mm	2.5 mm	–	26	22
	45" x 65"	11/16"	3 mm	3 mm	–	29	24
Architect Series Clad LX or SE window	WITH INTEGRAL GRILLES						
	45" x 65"	11/16"	2.5 mm	2.5 mm	–	27	25
	45" x 65"	11/16"	3 mm	3 mm	–	29	25
	45" x 65"	11/16"	3 mm	5 mm	–	33	29
	45" x 65"	11/16"	3 mm	6 mm Laminated	–	34	29
	WITH REMOVABLE OR NO GRILLES						
	45" x 65"	11/16"	2.5 mm	2.5 mm	–	26	22
	45" x 65"	11/16"	3 mm	3 mm	–	28	23
	45" x 65"	11/16"	3 mm	5 mm	–	32	28
45" x 65"	11/16"	3 mm	6 mm Laminated	–	33	28	

(–) = Not Available

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.

(2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.

(3) The higher the level, the greater the product's ability to resist forced entry.

(4) Glazing configurations may result in higher operational forces

(5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.



Architect Series® Traditional Hung Window

Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	–
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	Clear (no Low-E coating)
Additional Glass Options	
Annealed Glass	Tempered Glass
	Obscure Glass ¹
	Tinted Glass (Bronze, Gray and Green)
	Impact-Resistant Glass (Laminated Dual-Pane Insulating Glass ²)
Gas Fill/High Altitude	
Argon	High altitude
Wood types	
Pine	Mahogany (clad and wood LX only), Douglas Fir (clad LX only)
Exterior¹	
EnduraClad® protective finish	EnduraClad Plus protective finish
	Factory Primed Pine wood exterior
	Unfinished Mahogany wood exterior
Interior	
Unfinished Wood	Factory primed ³ , Factory prefinished paint ³ , Factory prefinished stain
Hardware	
Hardware Finish	
Champagne, White, Brown or Matte Black	Bright Brass, Satin Nickel, Oil-Rubbed Bronze, Antique Brass, Distressed Bronze, Distressed Nickel
Sash Locks	
Cam-action lock	Simulated lock, Air conditioner lock, Historical spoon-style lock (surface mounted)
Tilt-Wash Cleaning	
Tilt to interior on both sashes	–
Other Hardware	
–	Sash lifts
Grilles	
Integral Light Technology® Grilles	
–	Traditional, Prairie, Top Row, Cross, New England, Victorian, Diamond, Custom
Roomside Removable Grilles	
–	Traditional, Prairie, Custom
Grilles-Between-the-Glass	
–	Traditional, Prairie, Top Row ¹ , Cross or Custom-Equally Divided
Screens	
–	Full-Height or Half-height InView™ screens or Vivid View® screens

(1) Contact your local Pella sales representative for current color options.

(2) Low-E coatings are limited on Laminated Glass, see detailed product description or glazing performance for full details.

(3) Not available on Mahogany and Douglas Fir interiors.



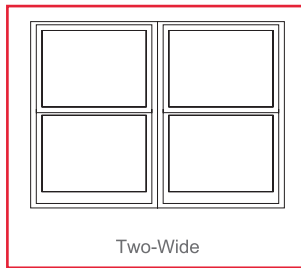
Architect Series® Traditional Hung Window

Combinations

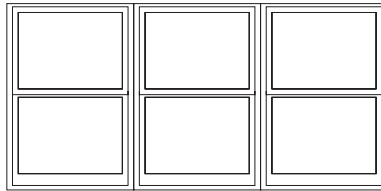
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mullered together by a combination or reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements. Below are available factory-assembled combinations. Some units can be fixed or vent depending on availability. Refer to Clad/Wood Overview Section for typical combinations requirements, and limitations related to mulling various combinations.

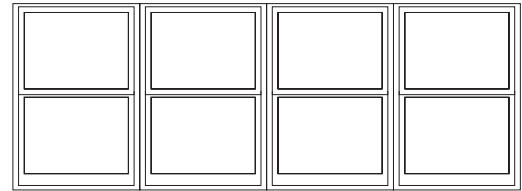
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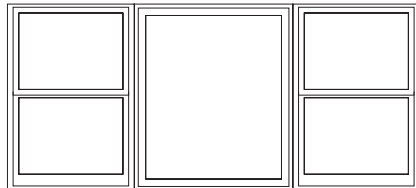
Two-Wide



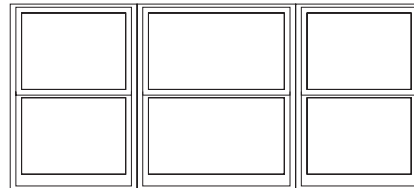
Three-Wide Equal



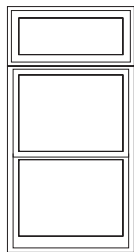
Four-Wide Equal



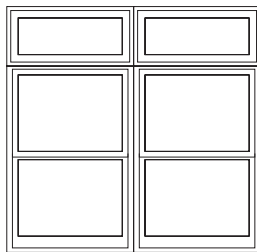
Center Fixed with Flankers



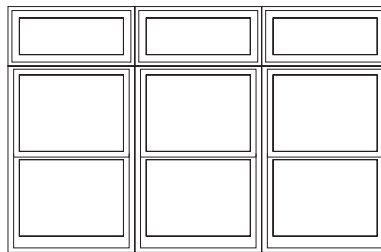
Three-Wide Unequal



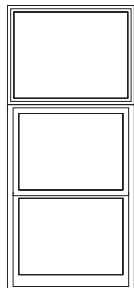
Transom over Single



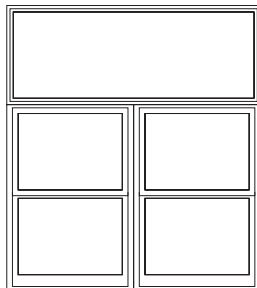
Two-Wide Transoms over Two-Wide



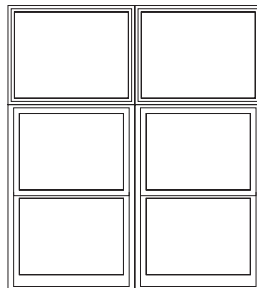
Three-Wide Transoms over Three-Wide



Clad Frame over Single



Single Clad Frame over Two-Wide



Two Wide Clad Frame over Two-Wide



[Click to view Clad-Wood Combinations Sections](#)

• [Combination Recommendations Downloadable PDF.](#)



Architect Series® Traditional Hung Window

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown				
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ²
										Zone				ER
Vent Dual-Pane Glazing - Aluminum-Clad Exterior										N	NC	SC	S	CA
11/16"	Clear IG	PEL-N-232-00217-00001	2.5	2.5	Air	0.46	0.59	0.62	44					
	with grilles-between-the-glass	PEL-N-232-00218-00001				0.46	0.53	0.55	44					
	with integral grilles	PEL-N-232-00219-00001				0.46	0.53	0.55	44					
11/16"	Clear IG	PEL-N-232-00221-00001	3	3	Air	0.46	0.58	0.61	44					
	with grilles-between-the-glass	PEL-N-232-00222-00001				0.46	0.52	0.54	44					
	with integral grilles	PEL-N-232-00223-00001				0.46	0.52	0.54	44					
11/16"	Advanced Low-E IG	PEL-N-232-00253-00001	2.5	2.5	Argon	0.29	0.28	0.53	60		NC			
	with grilles-between-the-glass	PEL-N-232-00254-00001				0.29	0.25	0.47	60		NC	SC	S	
	with integral grilles	PEL-N-232-00255-00001				0.29	0.25	0.47	60		NC	SC	S	
11/16"	Advanced Low-E IG	PEL-N-232-00257-00001	3	3	Argon	0.29	0.28	0.52	59		NC			
	with grilles-between-the-glass	PEL-N-232-00258-00001				0.29	0.25	0.46	59		NC	SC	S	
	with integral grilles	PEL-N-232-00259-00001				0.29	0.25	0.46	59		NC	SC	S	
11/16"	SunDefense™ Low-E IG	PEL-N-232-00301-00001	2.5	2.5	Argon	0.28	0.21	0.49	60		NC	SC	S	
	with grilles-between-the-glass	PEL-N-232-00302-00001				0.28	0.19	0.43	60		NC	SC	S	
	with integral grilles	PEL-N-232-00303-00001				0.29	0.19	0.43	60		NC	SC	S	
11/16"	SunDefense™ Low-E IG	PEL-N-232-00305-00001	3	3	Argon	0.28	0.21	0.48	60		NC	SC	S	
	with grilles-between-the-glass	PEL-N-232-00306-00001				0.28	0.19	0.43	60		NC	SC	S	
	with integral grilles	PEL-N-232-00307-00001				0.29	0.19	0.43	60		NC	SC	S	
11/16"	AdvancedComfort Low-E IG	PEL-N-232-00277-00001	2.5	2.5	Argon	0.25	0.27	0.51	49	N	NC			
	with grilles-between-the-glass	PEL-N-232-00278-00001				0.25	0.25	0.46	49	N	NC	SC	S	
	with integral grilles	PEL-N-232-00279-00001				0.26	0.25	0.46	49	N	NC	SC	S	
11/16"	AdvancedComfort Low-E IG	PEL-N-232-00281-00001	3	3	Argon	0.25	0.27	0.51	48	N	NC			
	with grilles-between-the-glass	PEL-N-232-00282-00001				0.25	0.25	0.45	48	N	NC	SC	S	
	with integral grilles	PEL-N-232-00283-00001				0.26	0.25	0.45	48	N	NC	SC	S	
11/16"	NaturalSun Low-E IG	PEL-N-232-00229-00001	2.5	2.5	Argon	0.30	0.52	0.60	60	N				
	with grilles-between-the-glass	PEL-N-232-00230-00001				0.30	0.47	0.53	60	N				
	with integral grilles	PEL-N-232-00231-00001				0.30	0.47	0.53	60	N				
11/16"	NaturalSun Low-E IG	PEL-N-232-00233-00001	3	3	Argon	0.30	0.51	0.59	59	N				
	with grilles-between-the-glass	PEL-N-232-00234-00001				0.30	0.46	0.52	59	N				
	with integral grilles	PEL-N-232-00235-00001				0.30	0.46	0.52	59	N				
Tinted Glazing														
11/16"	Bronze Advanced Low-E IG	PEL-N-232-00325-00001	5	3	Argon	0.29	0.25	0.34	48		NC	SC	S	
	with grilles-between-the-glass	PEL-N-232-00326-00001				0.31	0.22	0.30	48				S	
	with integral grilles	PEL-N-232-00327-00001				0.30	0.22	0.30	48		NC	SC	S	
11/16"	Gray Advanced Low-E IG	PEL-N-232-00333-00001	5	3	Argon	0.29	0.23	0.29	58		NC	SC	S	
	with grilles-between-the-glass	PEL-N-232-00334-00001				0.31	0.21	0.26	58				S	
	with integral grilles	PEL-N-232-00335-00001				0.30	0.21	0.26	58		NC	SC	S	
11/16"	Green Advanced Low-E IG	PEL-N-232-00341-00001	5	3	Argon	0.29	0.28	0.46	58		NC			
	with grilles-between-the-glass	PEL-N-232-00342-00001				0.31	0.25	0.25	58				S	
	with integral grilles	PEL-N-232-00343-00001				0.30	0.25	0.41	58		NC	SC	S	

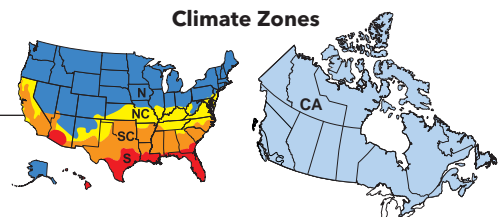
R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

Non Rectangular Unit thermal values will vary slightly.





Architect Series® Traditional Hung Window

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ²		
										Zone				ER	Zone	
Vent Dual-Pane High Altitude Glazing - Aluminum-Clad Exterior										N	NC	SC	S	CA		
11/16"	Advanced Low-E IG	PEL-N-232-00265-00001	2.5	2.5	Air	0.32	0.28	0.53	56							
	with grilles-between-the-glass	PEL-N-232-00265-00001				0.32	0.25	0.47	56				S			
	with integral grilles	PEL-N-232-00267-00001				0.33	0.25	0.47	56				S			
11/16"	Advanced Low-E IG	PEL-N-232-00269-00001	3	3	Air	0.32	0.28	0.52	55							
	with grilles-between-the-glass	PEL-N-232-00270-00001				0.32	0.25	0.46	55				S			
	with integral grilles	PEL-N-232-00271-00001				0.33	0.25	0.46	55				S			
11/16"	SunDefense Low-E IG	PEL-N-232-00313-00001	2.5	2.5	Air	0.32	0.21	0.49	57				S			
	with grilles-between-the-glass	PEL-N-232-00314-00001				0.32	0.19	0.43	57				S			
	with integral grilles	PEL-N-232-00315-00001				0.33	0.19	0.43	57				S			
11/16"	SunDefense Low-E IG	PEL-N-232-00317-00001	3	3	Air	0.32	0.21	0.48	56				S			
	with grilles-between-the-glass	PEL-N-232-00318-00001				0.32	0.19	0.43	56				S			
	with integral grilles	PEL-N-232-00319-00001				0.33	0.19	0.43	56				S			
11/16"	AdvancedComfort Low-E IG	PEL-N-232-00289-00001	2.5	2.5	Air	0.27	0.28	0.51	45	N	NC					
	with grilles-between-the-glass	PEL-N-232-00290-00001				0.27	0.25	0.46	45	N	NC	SC	S			
	with integral grilles	PEL-N-232-00291-00001				0.28	0.25	0.46	45		NC	SC	S			
11/16"	AdvancedComfort Low-E IG	PEL-N-232-00293-00001	3	3	Air	0.28	0.27	0.51	44		NC					
	with grilles-between-the-glass	PEL-N-232-00294-00001				0.28	0.25	0.45	44		NC	SC	S			
	with integral grilles	PEL-N-232-00295-00001				0.28	0.25	0.45	44		NC	SC	S			
11/16"	NaturalSun Low-E IG	PEL-N-232-00241-00001	2.5	2.5	Air	0.33	0.52	0.60	56							
	with grilles-between-the-glass	PEL-N-232-00242-00001				0.33	0.47	0.53	56							
	with integral grilles	PEL-N-232-00243-00001				0.34	0.47	0.53	56							
11/16"	NaturalSun Low-E IG	PEL-N-232-00245-00001	3	3	Air	0.33	0.51	0.59	55							
	with grilles-between-the-glass	PEL-N-232-00246-00001				0.33	0.46	0.52	55							
	with integral grilles	PEL-N-232-00247-00001				0.34	0.46	0.52	55							

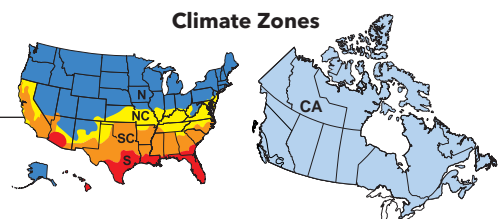
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Non Rectangular Unit thermal values will vary slightly.





Architect Series® Traditional Hung Window

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ¹				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ²		
										Zone				ER	Zone	
Vent - Laminated Impact-Resistant Glass										N	NC	SC	S	CA		
13/16"	Clear IG	PEL-N-235-00601-00001	3	8	Air	0.44	0.51	0.55	44							
	with grilles-between-the-glass	PEL-N-235-00602-00001				0.44	0.45	0.49	44							
	with integral grilles	PEL-N-235-00603-00001				0.44	0.45	0.49	44							
13/16"	Advanced Low-E IG	PEL-N-235-00721-00001	3	8	Argon	0.28	0.25	0.47	59		NC	SC	S			
	with grilles-between-the-glass	PEL-N-235-00722-00001				0.29	0.23	0.41	59		NC	SC	S			
	with integral grilles	PEL-N-235-00723-00001				0.29	0.23	0.41	59		NC	SC	S			
13/16"	SunDefense™ Low-E IG	PEL-N-235-00897-00001	3	8	Argon	0.28	0.19	0.43	59		NC	SC	S			
	with grilles-between-the-glass	PEL-N-235-00898-00001				0.29	0.17	0.38	59		NC	SC	S			
	with integral grilles	PEL-N-235-00899-00001				0.29	0.17	0.38	59		NC	SC	S			
Tinted Laminated Impact-Resistant Glass																
13/16"	Bronze Advanced Low-E IG	PEL-N-235-00769-00001	5	8	Argon	0.31	0.23	0.19	57					S		
	with grilles-between-the-glass	PEL-N-235-00770-00001				0.32	0.21	0.16	56					S		
	with integral grilles	PEL-N-235-00771-00001				0.32	0.21	0.16	56					S		
13/16"	Gray Advanced Low-E IG	PEL-N-235-00801-00001	5	8	Argon	0.31	0.24	0.24	57					S		
	with grilles-between-the-glass	PEL-N-235-00802-00001				0.32	0.21	0.21	57					S		
	with integral grilles	PEL-N-235-00803-00001				0.32	0.21	0.21	57					S		
13/16"	Green Advanced Low-E IG	PEL-N-235-00833-00001	5	8	Argon	0.31	0.24	0.38	57					S		
	with grilles-between-the-glass	PEL-N-235-00834-00001				0.32	0.22	0.34	56					S		
	with integral grilles	PEL-N-235-00835-00001				0.32	0.22	0.34	57					S		

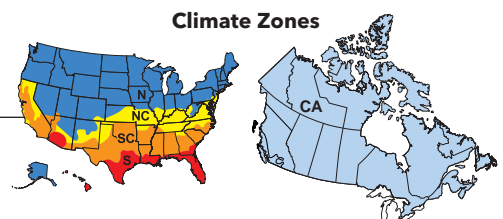
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 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2016 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

Non Rectangular Unit thermal values will vary slightly.



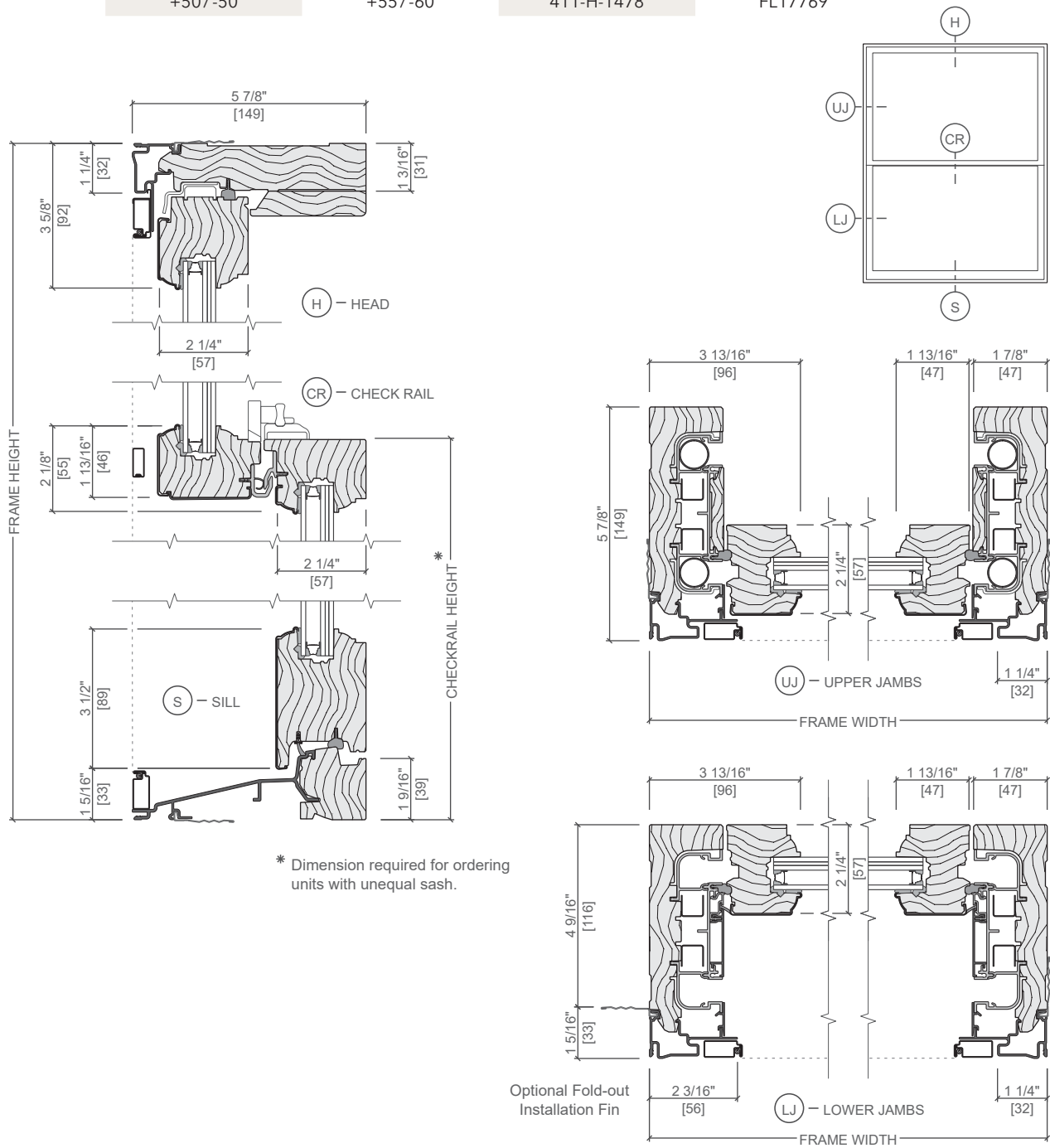


Architect Series® Traditional Hung Window

Products with Impact-Resistant Glass

For a complete list of ratings, refer to the Impact-Resistant product section.

Material	Design Pressure Large Missile Rating D		Hallmark Certified	Florida Product Approval System
	Minimum	Maximum		
PVB				
Clad	+50/-50	+55/-60	411-H-1478	FL17769



* Dimension required for ordering units with unequal sash.

[Click to view Impact-Resistant Section](#)
[Double-Hung Downloadable PDF](#)

(1) All impact sizes and glass types are certified for wind zone 3, large missile rating D. Not approved for use in Miami-Dade County.

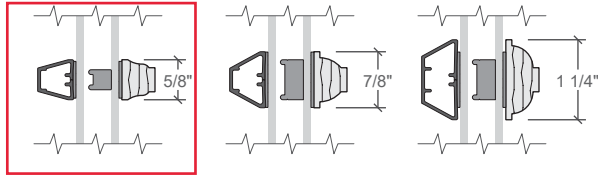


Architect Series® Traditional Hung Window

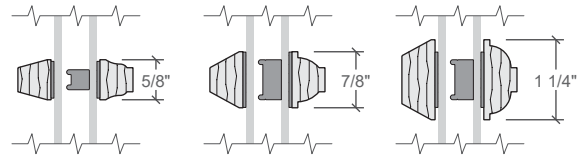
Grille Profiles

Integral Light Technology®

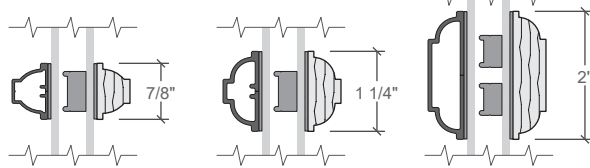
Putty and Ogee Glaze Grilles
Clad Exterior - Wood Interior



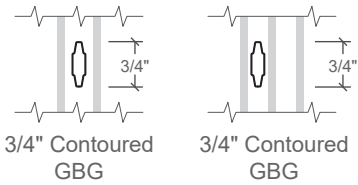
Putty and Ogee Glaze Grilles
Wood Exterior - Wood Interior



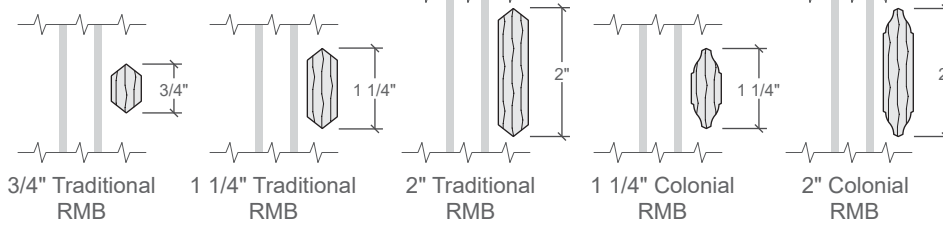
Ogee Glaze Grilles
Clad Exterior - Wood Interior



Contoured Aluminum -
Grilles-Between-the-Glass



Removable Interior Pine Grilles



Interior wood ILT grilles available in Pine, Mahogany or Douglas Fir to match complete unit.
Exterior wood ILT grilles available in Pine or Mahogany to match complete unit.

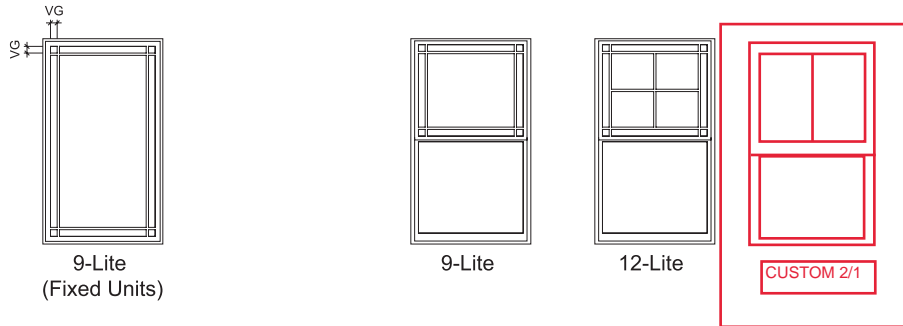


Architect Series® Traditional Hung Window

Grille Patterns

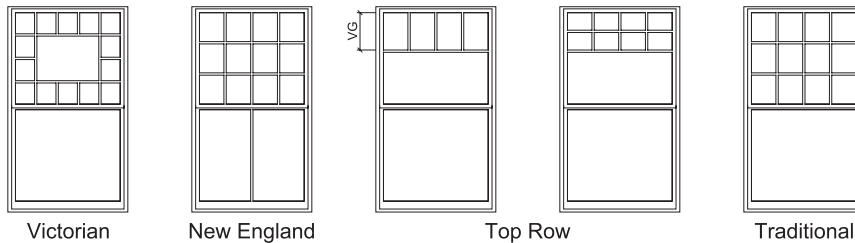
Integral light technology® Grilles and Roomside Removable Grilles

Prairie Lite Patterns



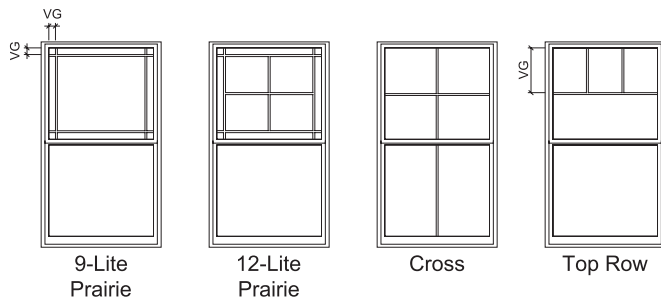
Standard corner lite dimension for Prairie patterns = 2-1/2" VG.
Available in transoms ≥ 1'3" height and width.
Available in all standard and special sizes.

Other Available Patterns



VG = Visible Glass
Lite dimensions noted can vary.
For size and pattern availability contact your local Pella sales representative.

Grilles-Between-the-Glass

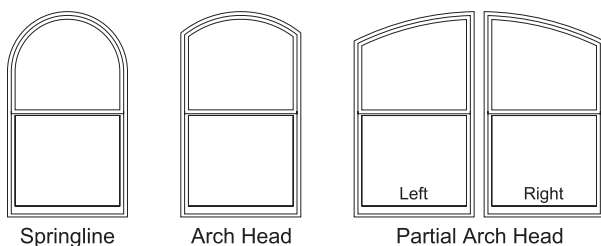


- Prairie**
- Standard corner lite dimension for Prairie patterns = 2-1/2" VG.
 - Available in transoms ≥ 1'3" height and width.
- Cross**
- Minimum DH frame height 35".
 - Horizontal bar will be at 1/2" of the VG height of the top sash.
- Top Row**
- Minimum DH frame height 35".
 - Horizontal bar will be at 1/2" of the VG height of the top sash.

For traditional patterns, see size tables.

Custom shapes

Pella Reserve single-hung windows are available in custom shapes shown below, and additional shapes per drawing. For specifications, size limitations, and details on these units, contact your local Pella sales representative.





Architect Series® Traditional Hung Window

Detailed Product Description - Aluminum-Clad Exterior

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [LX: [clear pine] [mahogany] [douglas fir]] [SE: clear pine].
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127mm) for a wall depth of 3-11/16" (94mm).
- Optional factory applied jamb extensions available between 4-9/16" (116mm) and 7-3/16" (183mm) wall depths.
- Vinyl jamb liner [LX includes wood / clad inserts].
- Optional factory installed fold-out installation fins with flexible fin corners.
- Optional factory-applied EnduraClad® exterior trim.

Sash

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [LX: [clear pine] [mahogany] [douglas fir]] [SE: clear pine].
- Exterior surfaces are clad with aluminum and sealed.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is 1-7/8" (47mm).
- Sash exterior and interior profile is ogee.
- Double-Hung: Upper sash has surface-mounted wash locks [Single-Hung: Fixed upper sash has surface-mounted wash locks] [Arch Head units have no wash locks].
- Lower sash has concealed wash locks in lower check rail.
- Sashes tilt for easy cleaning.
- Simulated-Hung units have non-operable upper and lower sashes.

Weatherstripping

- Water-stop santoprene-wrapped foam at head and sill.
- Thermoplastic elastomer bulb with slip-coating set into lower sash for tight contact at check rail.
- Vinyl-wrapped foam inserted into jamb liner to seal against sides of sash.

Glazing System

- Quality float glass complying with ASTM C 1036.
- Custom and high altitude glazing available.
- Silicone-glazed 1 1/16" dual-seal insulating glass [[annealed] [tempered]] [[clear] [[Advanced Low-E] [SunDefense™ Low-E] [AdvancedComfort] [NaturalSun Low-E] with argon]] [[bronze] [gray] [green] Advanced Low-E with argon].

Exterior

- Aluminum-clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [standard] [custom]₁.
- Aluminum-clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish
 - Color is [standard] [custom]₁.

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain] ₁].

Hardware

- Galvanized block-and-tackle balances are connected to self-locking balance shoes which are connected to the sashes using zinc die cast terminals and concealed within the frame.
- Sash lock is [standard (cam-action)] [historic spoon-style] [air-conditioner lock] [simulated lock (Single-piece lock ties upper and lower sash together. When removed, lower sash becomes operable)]. Two sash locks on units with frame width 37" and greater.
- Optional sash lift furnished for field installation. Two lifts on units with frame width 37" and greater.
- Hardware finish is [baked enamel [Champagne] [White] [Brown] [Matte Black]] [Bright Brass] [Satin Nickel] [Oil-rubbed Bronze] [Antique Brass] [Distressed Bronze] [Distressed Nickel].

Optional Products

Grilles

- Integral Light Technology® grilles
 - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] ogee profile that are solid [LX: [pine] [mahogany] [douglas fir]] [SE: pine]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain] ₁].
 - Exterior grilles are [5/8" putty glaze profile] [7/8" [putty glaze] [ogee] profile] [1-1/4" [putty glaze] [ogee] profile] [2" ogee profile] that are extruded aluminum.
 - Patterns are [Traditional] [Prairie] [Top Row] [New England] [Victorian].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer.

- or -

Grilles-Between-the-Glass₂

- Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
- Patterns are [Traditional] [9-Lite Prairie] [Cross] [Top Row]
- Interior color is [White] [Tan₃] [Brown₃] [Putty₃] [Black] [Morning Sky Gray] [Ivory] [Sand Dune] [Harvest] [Cordovan] [Brickstone].
- Exterior color₅ is [standard]₁.

- or -

Roomside Removable grilles

- [[3/4"] [1-1/4"] [2"] regular] [[1-1/4"] [2"] colonial] profile, with [Traditional] [Prairie] patterns that are removable solid pine wood bars steel-pinned at joints and fitted to sash with steel clips and tacks.
- Interior [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain] ₁].
- Exterior [unfinished, ready for site finishing] [factory primed] [finish color matched to exterior cladding]₅.

Screens

- InView™ screens
 - [Half-Size] [Full-Size₄] black vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
 - Full screen spreader bar placed on units > 37" width or > 65" height.
 - Insect screen frame finish is baked enamel, color to match window cladding.
- Vivid View® screens
 - [Half-Size] [Full-Size₄] PVDF 21 / 17 mesh, minimum 78 percent light transmissive screen, set in aluminum frame fitted to outside of window, supplied complete with all necessary hardware.
 - Full screen spreader bar placed on units > 37" width or > 65" height.
 - Insect screen frame finish is baked enamel, color to match window cladding.

- or -

Hardware

- Optional factory applied limited opening device available for vent units in stainless steel; nominal 3-3/4" opening. Limiting device concealed from view.
- Optional factory applied window opening control device available. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-10.

(1) Contact your local Pella sales representative for current designs and color options.

(2) Available on units glazed with Low-E insulated glass with argon, clear insulated glass and obscure insulated glass.

(3) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

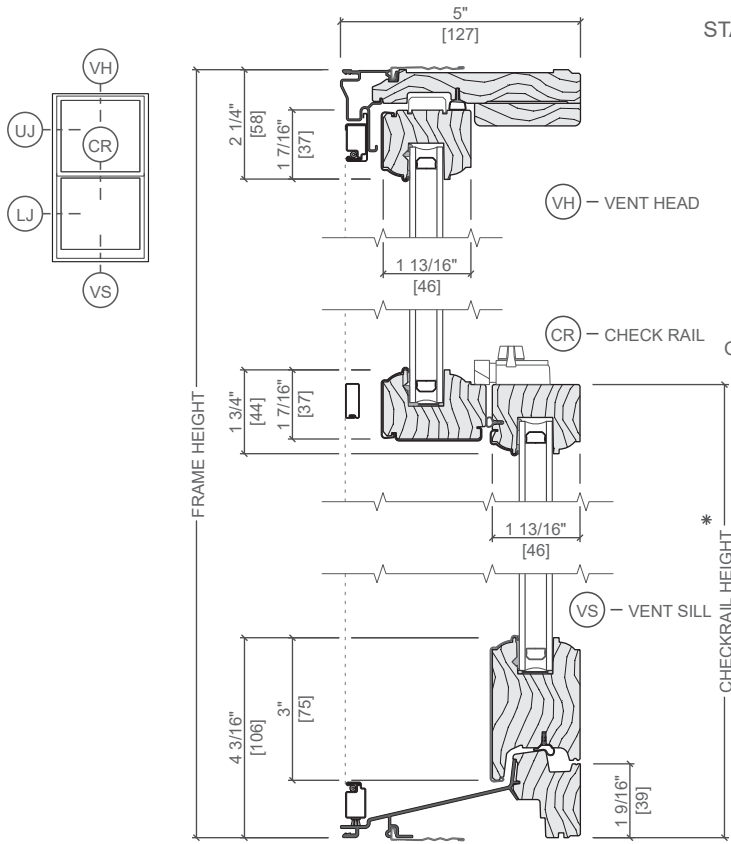
(4) Full screens are available on units ≤ 96" height.

(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.

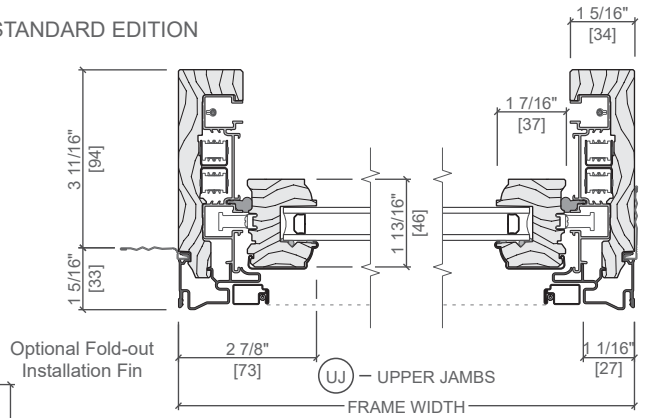


Architect Series® Traditional Hung Window

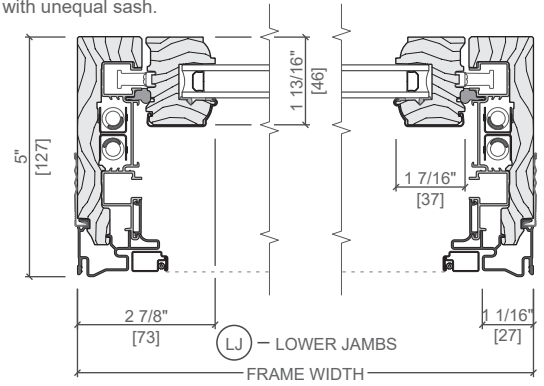
SE Unit Sections - Aluminum-Clad Ogee Exterior Glazing Profile



STANDARD EDITION



* Dimension required for ordering units with unequal sash.



Scale 3" = 1' 0"

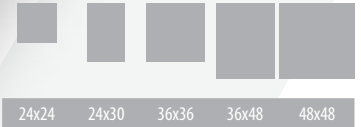
All dimensions are approximate.

RED RECTANGLES DENOTE ARCHITECT'S SELECTIONS



FLAT ROOF SKYLIGHTS AND HATCHES

DXW - walkable skylight

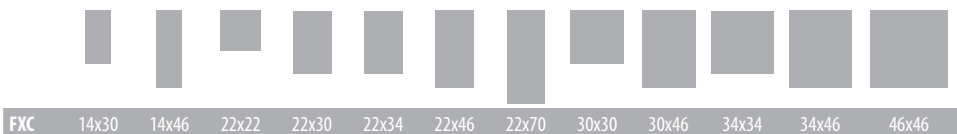


FXC CURB MOUNTED FIXED SKYLIGHT

- Infinity glass - virtually seam-free flat surface
- 360-degree orientation on sloped or flat roof
- A modern, trouble-free design helps with water run-off.
- White finished, PVC frame interior
- Internal and external accessories available before or after skylight's installation.
- Suitable for roof with a pitch between 0-60 degrees

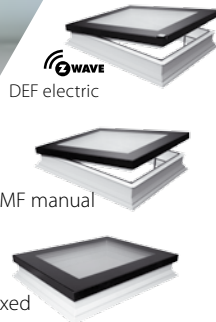


FXC





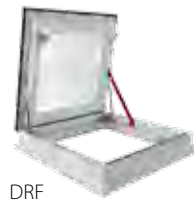
INVITE
THE LIGHT



FLAT ROOF WINDOWS TYPE F

- An abundance of natural light. The window's profile have a secure glazing area that is up to 16% greater than those of competitors.
- The frame of the flat roof window is constructed from multi-chamber PVC profiles filled with insulating material.
- The external glass is laminated reflecting the sun rays while the internal pane is anti-burglary Class P2A.
- In addition to standard sizes, the type F window is available in custom sizes (from 24"x24" to 48"x87") to suit many retrofits.
- High energy-efficient DU6 triple-pane glazing (U-value=0.12 BTU/h²F) and DU8 quadruple-pane glazing (U-value=0.11 BTU/h²F) to choose from.
- Windows can be fitted with internal and external blinds to ensure shade and protect interiors from overheating.

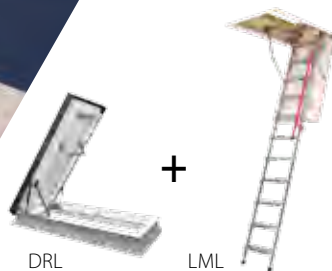
DEF, DMF, DXF	22x22	22x30	22x46	30x30	46x46
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FLAT ROOF ACCESS SKYLIGHT DRF

- Energy-efficient design using DU6 triple-pane glazing and insulated, multi-chamber PVC frame to achieve low U-value=0.13 BTU/h²F.
- Safe and convenient access to a flat roof. Specially-designed hinges and a gas springs keep the window open at 80 degrees.
- An anti-slip coating covers the exterior of the window for safe access to the flat roof.
- Excellent soundproofing performance
- Flat glass is impact resistant for durability.
- Window can be fitted with internal and external blinds to ensure shade and protect interiors from overheating.

DRF	30x30	30x36	36x36	36x48
-----	-------	-------	-------	-------



ROOF HATCH DRL

- Energy-efficient design with insulated door and frame delivers U factor = 0.12 BTU/h²F
- Available sizes can be combined with FAKRO attic ladders for invisible access to the flat roof.
- Insulated, multi-chamber, PVC frame with a high-performance seal ensure the hatch is suitable for energy-efficient projects in a variety of climates.
- Gas spring-assisted opening stays open at 80 degrees.
- An anti-slip surface covers the base for safe access to the flat roof.

DRL	30x30	30x36	36x36	27 1/2 x 61 1/2
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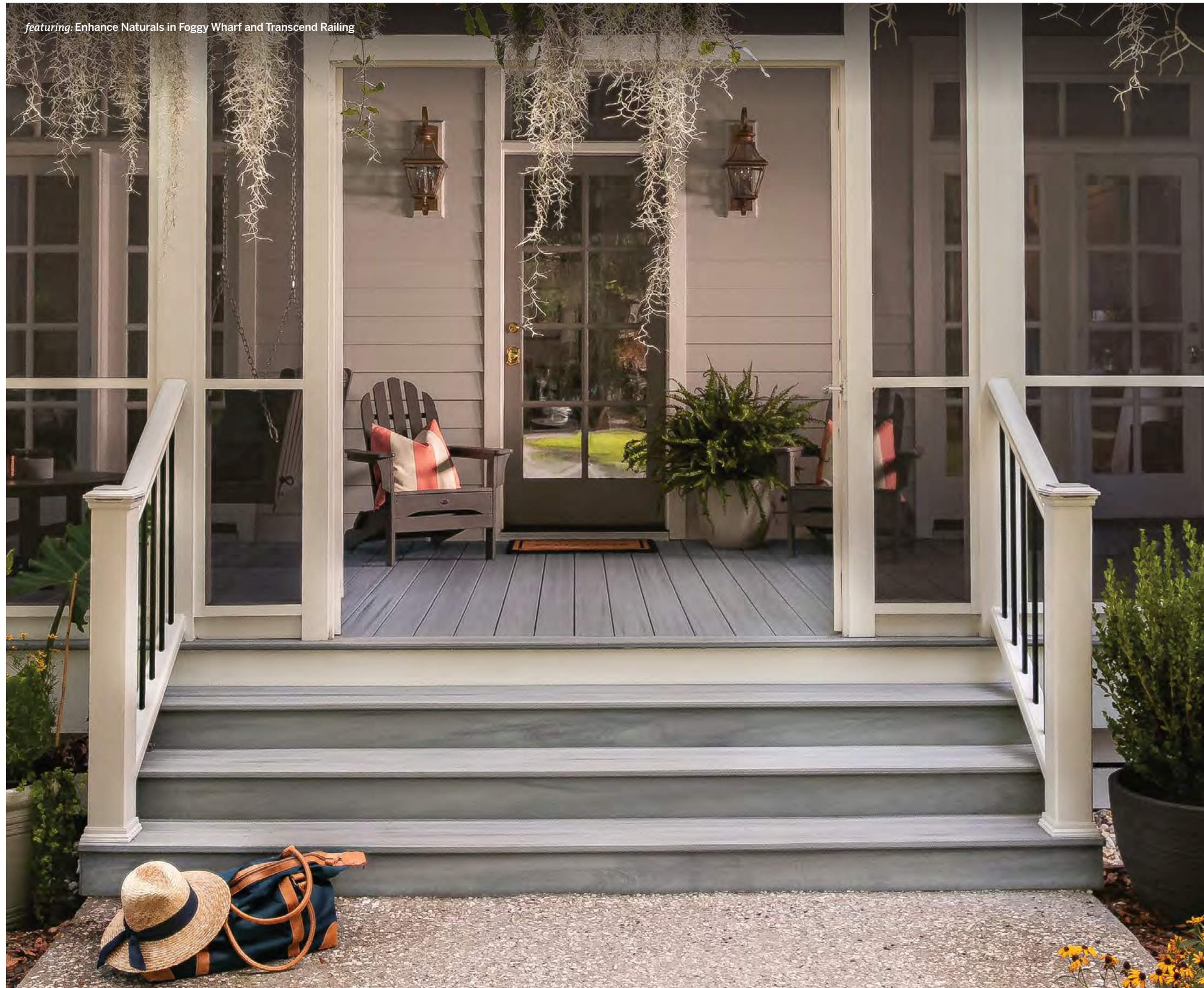


elements of
**OUTDOOR
STYLE**

RED RECTANGLES DENOTE
ARCHITECT'S SELECTIONS



featuring: Enhance Naturals in Foggy Wharf and Transcend Railing



STYLE
PERMEATES
EVERY
HOME.

And at Trex, we believe yours is meant to extend beyond its threshold. That's why we offer a variety of decking and railing collections, furniture and features, so that every family and every budget can experience the warm feeling of belonging. Find that in the pages ahead and then make the *Trex® decision that's right for you™*.

TABLE
of
CONTENTS

SECTION I: DECKING 06

Embrace color with durable, eco-friendly collections of decking.

SECTION II: RAILING 26

Frame your view with long-lasting railing for all tastes and budgets.

SECTION III: EXTRAS 36

Mind the particulars of relaxing and entertaining.

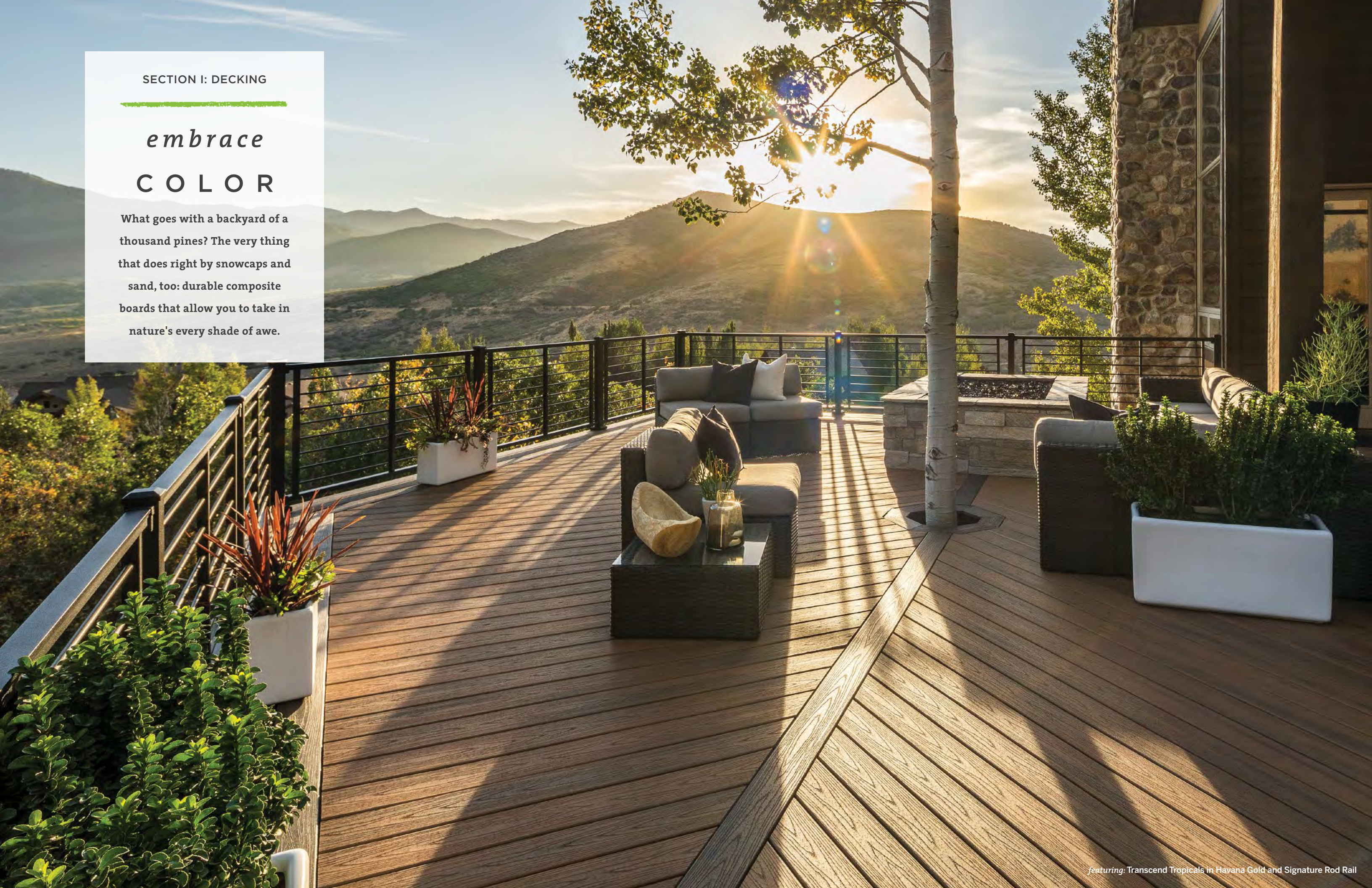
SECTION IV: PRODUCT LISTINGS... 48



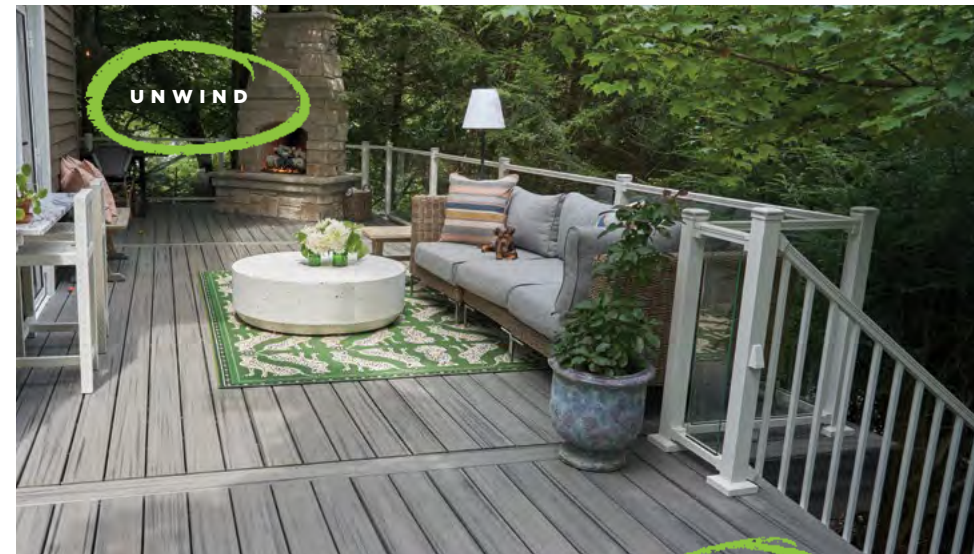
SECTION I: DECKING

embrace
C O L O R

What goes with a backyard of a thousand pines? The very thing that does right by snowcaps and sand, too: durable composite boards that allow you to take in nature's every shade of awe.



In her
ELEMENT



tastemaker
EVETTE RIOS

Enjoying the languid pace of home is not something that lifestyle expert, writer, designer and TV personality Evette Rios takes lightly. So when it came to expanding the Pocono Mountains retreat that she shares with her husband, Stephen, and her two sons, Yago and Rex, the Jane-of-all-trades knew she wanted an outdoor room that not only reflected her colorful personality, but required little of her time when it came to maintenance. Here the style guru shares the ins and outs of her recent Trex deck build.

How did you come to choose Trex for your project?

I try to use sustainable and environmentally friendly products for my home whenever possible. Trex decking was the ideal solution because it is extremely durable and almost completely made of recycled content.

Which Trex decking product did you use?

I chose Trex Transcend in Island Mist. I love it because it has a silvery aged look that works well with the old barn wood around our property. We also used Trex Signature® railing with glass panels, which allowed us to have an uninterrupted view of the trees and visiting birds.

Did anything about Trex surprise you?

I was unsure if it would look like real wood, but Transcend decking looks entirely realistic with its streaks and color variations.

How are you using your outdoor space?

We eat our meals out there, we play out there, and we cook out there, too. Plus, there's a hot tub and a fireplace, so we are spending a lot of time on our Trex deck.

Featured in photos

Transcend Tropicals in Island Mist
Signature Glass & Aluminum Railing
Trex® Outdoor Kitchens™



Trex Enhance[®]

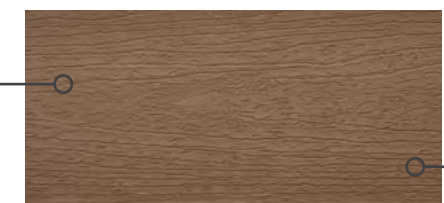
BASICS

PRICED TO PUT THE PRESSURE
ON TREATED LUMBER

Trex has engineered cost out of the equation with our latest collection of easy-to-build, easy-to-maintain decking. Trex Enhance[®] Basics melds the durability of composite with the affordability of wood, resulting in long-lasting, worry-free decking.

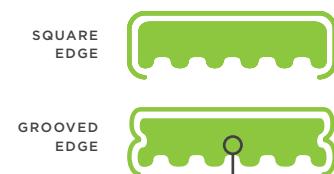
Perfect for DIYers:
no specialty
tools required

SHOWN IN SADDLE



No sanding,
no sealing...ever

BOARD PROFILES

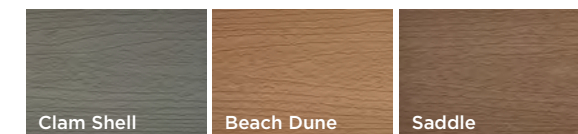


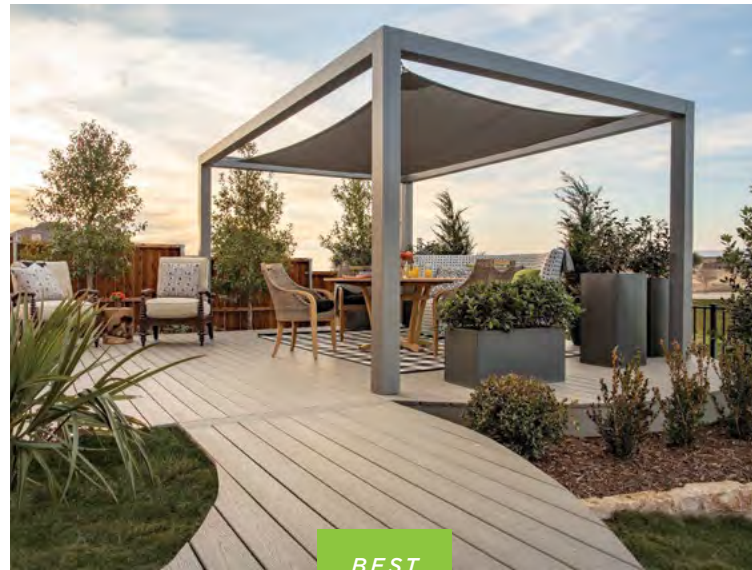
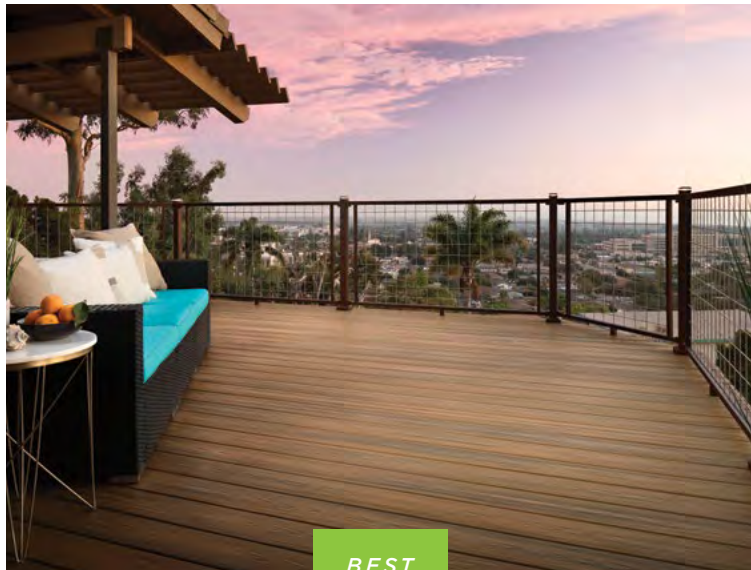
Lightweight,
easy-to-handle
scalloped boards

Use Trex Hideaway[®] Hidden
Fastening System for a clean,
fastener-free appearance

NEW DEPTHS

There's nothing monotonous about monochromatic color. This perch in *Saddle* showcases the universal appeal of earthy brown.





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Trex Transcend® TROPICALS

Elevated aesthetics paired with the highest level of performance.

\$\$\$ █ (25) ★★★★★

Trex Transcend® EARTH TONES

A classic look for uncompromising homes.

\$\$\$ █ (25) ★★★★★

Trex Select® EARTH TONES

The perfect pairing of price and minimal maintenance.

\$\$ █ (25) ★★

Trex Enhance® NATURALS

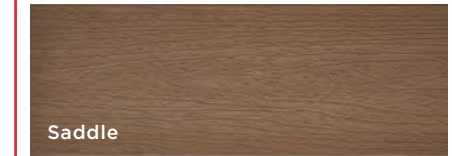
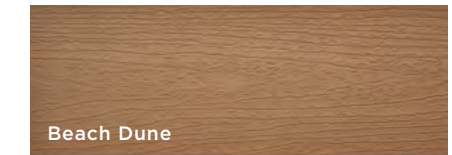
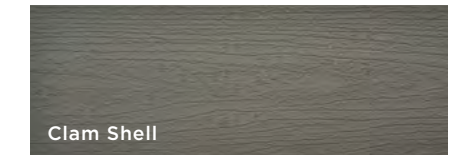
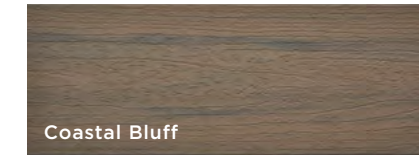
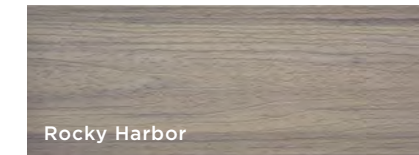
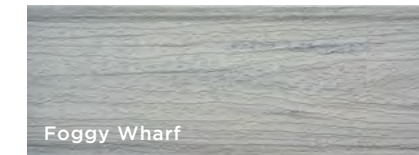
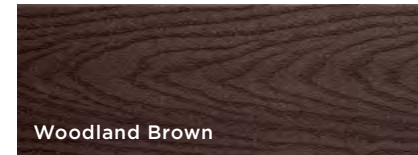
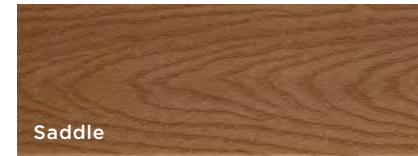
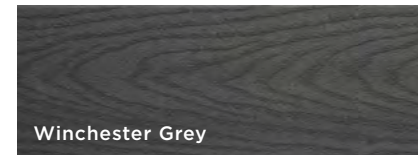
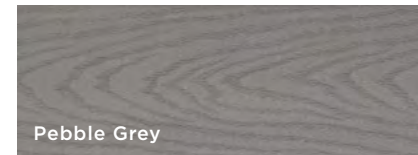
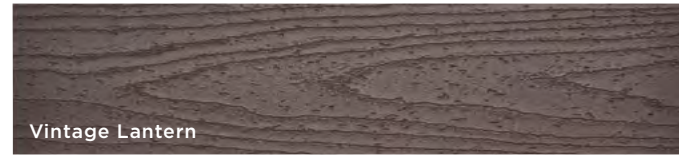
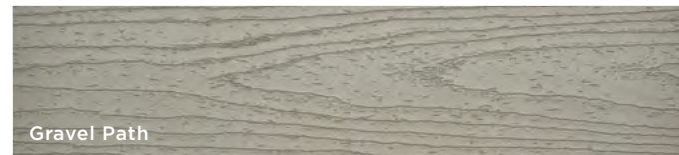
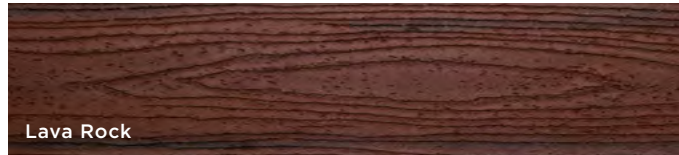
The beauty of wood with the ease of composite.

\$\$ █ (25) ★

Trex Enhance® BASICS

Priced to put the pressure on treated lumber.

\$ █ (25) ★



Sample any and every color at order.trex.com

Why WOOD YOU?

Trading up from wood to Trex means ditching hours of annual upkeep that costs way more than you bargain for. Compare the qualities of our high-performance, Made-in-America boards to lumber and ask yourself: *can you afford not to choose Trex?*

TREX WILL



Withstand sun, snow & sleet
HIGH-PERFORMANCE TECHNOLOGY



Clean easily with soap & water
LOW-MAINTENANCE SHELL



Let forestfuls of trees grow and grow
MADE OF 95% RECYCLED MATERIALS IN THE USA



Make good on its promises
25-YEAR LIMITED RESIDENTIAL AND FADE & STAIN WARRANTIES

TREX WON'T



Rot, warp or splinter
UNLIKE WOOD



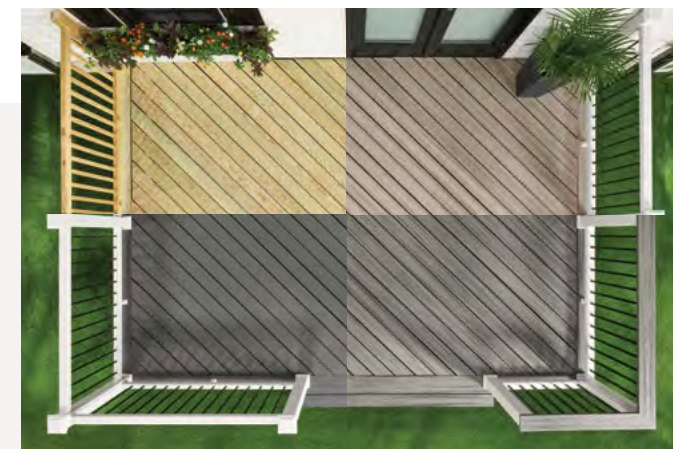
Need seasonal sealing or staining
UNLIKE WOOD



Become food for termites
UNLIKE WOOD



Fade or stain
UNLIKE WOOD



Which Trex and why?
See how our collections stack up to wood at compare.trex.com



GREATER GREEN, GREATER GOOD.

It's a good feeling to be able to take in the view from your deck and know you did your part to protect the world around you.

Trex homeowners experience that sense of contentment over and over again, having chosen eco-friendly composite boards made with clean technology.



95%

recycled content

We repurpose 400,000 tons of plastic film and reclaimed sawdust annually



400 MILLION

pounds of plastic

Diverting this from landfills each year has made Trex one of largest recyclers of plastic film in North America



22,000

trees planted

Each sale of Trex Outdoor Furniture has led to this tally, thanks to our partnership with Trees for the Future





TREX® LIMITED WARRANTY

Trex Company, Inc. (hereinafter "Trex") warrants to the original purchaser ("Purchaser") that, for the period of time set forth in the following sentence, under normal use and service conditions, Trex® product (the "Product") shall be free from material defects in workmanship and materials, and shall not split, splinter, rot or suffer structural damage from termites or fungal decay. The term of such warranty shall be twenty-five (25) years from the date of original purchase for a residential application, and ten (10) years from the date of original purchase for a commercial application. If a defect occurs within the warranty period, Purchaser shall notify Trex in writing and, upon confirmation by an authorized Trex representative of the defect, Trex's sole responsibility shall be, at its option, to either replace the defective Product or refund the portion of the purchase price paid by Purchaser for such defective Product (not including the cost of its initial installation).

For purposes of this warranty, a "residential application" shall refer to an installation of the Product on an individual residence, and a "commercial application" shall refer to any installation of the Product other than on an individual residence.

Notwithstanding the foregoing, (a), the term of the warranty for the LED lights and housing for Trex DeckLighting™ shall be seven (7) years, the term of the warranty for the LED lights and housing for Trex LandscapeLighting™ shall be five (5) years, the term of the warranty for the dimmer, timer and transformer for both shall be three (3) years, and the term of the warranty for the motion controller for both shall be one (1) year, in each case provided that a Trex transformer is used (with no warranty on any components if a Trex transformer is not used), and any other parts or accessories shall not be warranted; (b) with respect to hardware for the Trex Surroundings® gate (gate frame, hinges and screws), the term of the warranty shall be five (5) years, (c) with respect to Trex Decorative Balusters, the term of the warranty covering the paint coating shall be ten (10) years, and shall be prorated in the following manner: 100% replacement for the first five (5) years; and 50% replacement for the next five (5) years, (d) the term of the warranty for Transcend Product used as outdoor cladding shall be twenty-five (25) years for both a residential application and a commercial application, and (e) this warranty shall not apply to Trex Elevations® steel deck framing, Trex Signature® aluminum railing and TrexTrim™ (which each have separate warranties).

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF DEFECTIVE PRODUCT OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

With respect to a residential application, this warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon

which the Product was originally installed. With respect to a commercial application, this warranty is freely transferable to subsequent buyers of the property upon which the Product was originally installed.

To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description of the claimed defect and proof of purchase, to the following address:

Trex Company, Inc.
Customer Relations
160 Exeter Drive
Winchester, VA 22603-8605

Trex does not warrant against and is not responsible for any condition attributable to: (1) improper installation of Product and/or failure to abide by Trex's installation guidelines, including but not limited to improper gapping; (2) use of Product beyond normal use and service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which Product is installed; (4) any act of God (such as flooding, hurricane, earthquake, lightning, etc.), environmental condition (such as air pollution, mold, mildew, etc.), staining from foreign substances (such as dirt, grease, oil, etc.), or normal weathering (defined as exposure to sunlight, weather and atmosphere which will cause any colored surface to gradually fade, chalk, or accumulate dirt or stains); (5) variations or changes in color of Product; (6) improper handling, storage, abuse or neglect of Product by Purchaser, the transferee or third parties; or (7) ordinary wear and tear.

No person or entity is authorized by Trex to make and Trex shall not be bound by any statement or representation as to the quality or performance of Product other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by Trex and Purchaser.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY FOR NON-PERSONAL INJURY CLAIMS WITH RESPECT TO DEFECTIVE PRODUCT SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCT OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.

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TREX TRANSCEND®, TREX ENHANCE®, TREX SELECT® AND TREX® UNIVERSAL FASCIA LIMITED FADE & STAIN WARRANTY

For the term set forth below, Trex Company, Inc. (hereinafter "Trex") warrants to the original end-user purchaser (the "Purchaser") that Trex Transcend® decking, porch or fascia, Trex Enhance® decking or fascia, Trex Select® decking or fascia or Trex Universal Fascia, as the case may be (the "Product") will perform, under normal use and service conditions, as follows:

Term of Warranty: The term of this warranty shall begin on the date of original purchase, and shall end (1) twenty-five (25) years thereafter for a residential application of the Product, and (2) ten (10) years thereafter for a commercial application of the Product. Notwithstanding the foregoing, the term of this warranty for Transcend Product used as outdoor cladding shall be twenty-five (25) years for both a residential application and a commercial application.

Residential/Commercial Application: For purposes of this warranty, a "residential application" shall refer to an installation of the Product on an individual residence, and a "commercial application" shall refer to any installation of the Product other than on an individual residence.

Fade Resistance: The Product shall not fade in color from light and weathering exposure as measured by color change of more than 5 Delta E (CIE) units.

The Product is designed to resist fading. No material is fade proof when exposed to years of UV exposure and the elements. The Product is designed to resist fading, and will not in any event fade by more than 5 Delta E (CIE) units.

Stain Resistance: The Product shall be resistant to permanent staining resulting from spills of food and beverage items including ketchup, mustard, salad oils, tea, wine, coffee, fruit punch, barbeque sauce, grease, sodas and other food and beverage related items that would typically be present on a residential deck, or mold and mildew naturally occurring in the environment, provided that such substances are removed from the Product with soap and water or mild household cleaners within one (1) week of exposure of the food or beverage to the surface or first appearance of the mold and mildew.

Notwithstanding the foregoing, Trex does not warrant that the Product is stain-proof, and does not warrant stain resistance resulting from spilled or otherwise applied food and beverage substances which are not properly cleaned as provided above within one (1) week of exposure. In addition, materials not covered in the stain resistant warranty include abrasive compounds of acidic or basic pH, paints or stains, strong solvents, metallic rust or other abnormal deck use items, and non-food and non-beverage substances, including but not limited to, biocides, fungicides, plant food, or bactericides. Mold and mildew can settle and grow on any outdoor surface, including this Product. You should periodically clean your deck to remove dirt and pollen that can feed mold and mildew. This warranty does not cover mold and mildew which is not properly cleaned as provided above within one (1) week of first appearance.

Standard Trex Company Limited Warranty: This warranty is in addition to the standard Trex Company Limited Warranty that applies to all Trex products.

Transferability: With respect to a residential application, this warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the Trex products were originally installed. With respect to a commercial application, this warranty is freely transferable to subsequent buyers of the property upon which the Trex products were originally installed.

EXCLUSIONS FROM WARRANTY COVERAGE:

Exposure to Heat: Direct or indirect contact with extreme heat sources (over 275 degrees) may cause fading and may damage the surface of the Product, and any effects of such exposure are expressly excluded from coverage under this warranty.

Surface Damage: Never use metal shovels or sharp-edged tools to remove snow and ice on the surface of the Product. If the surface of the Product is damaged or punctured, this warranty will be voided.

Paint or Other Materials Applied to the Product: If paint or other coating materials are applied to the Product, this warranty will be voided.

Railing: This warranty does not cover Trex Transcend®, Trex Enhance® or Trex Select® railing components.

Other Exclusions: This warranty shall not cover any condition attributable to: (1) improper installation of the Product and/or failure to abide by Trex's installation guidelines, including but not limited to improper gapping; (2) use of the Product beyond normal use or service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which the Product is installed; (4) any act of God (such as flooding, hurricane, earthquake, lightning, etc.); (5) improper handling, storage, abuse or neglect of the Product by Purchaser, the transferee or third parties; (6) any fading or staining not on the walking surface of the Product (i.e., the underside or the ends of the Product); or (7) ordinary wear and tear.

Procedure for Making a Claim under this Warranty

In order to make a claim under this warranty, Purchaser must do the following:

1. If the Purchaser is making a claim relating to the warranty on stain resistance, Purchaser must do as follows:

(a) Purchaser must try to clean the affected area of the deck by using the cleaning procedures described above within one (1) week of exposure of the food or beverage to the Product or first appearance of the mold and mildew.

(b) If the affected area remains reasonably unsatisfactory after Purchaser has tried these cleaning procedures, then Purchaser must have the affected area of the deck professionally cleaned at Purchaser's expense.

(c) If the affected area remains reasonably unsatisfactory after the professional cleaning, Purchaser may make a claim under this warranty, provided that such claim is made within thirty (30) days after the professional cleaning.

2. To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description and photographs of the affected area of the Product, proof of purchase, and if the claim relates to the warranty on stain resistance, proof of compliance with paragraph 1. above, to the following address:

Trex Company, Inc.
Customer Relations
160 Exeter Drive
Winchester, VA 22603-8605

3. Upon confirmation by an authorized Trex representative of a valid claim hereunder, Trex's sole responsibility shall be, at its option, to either replace the affected item or refund the portion of the purchase price paid by Purchaser for such affected item (not including the cost of its initial installation).

Replacement material will be provided that is as close as possible in color, design and quality as the replaced material, but Trex does not guarantee an exact match as colors and design may change.

4. If a valid warranty claim hereunder is made during years eleven (11) through twenty-five (25) after the original purchase for a residential application, recovery will be prorated. If Trex is providing replacement materials, it may elect to replace the percentage listed below of boards otherwise meeting the requirements for a claim, or if it is refunding the purchase price, it may elect to refund the percentage listed below of the purchase price of boards otherwise meeting the requirements for a claim.

YEAR OF WARRANTY CLAIM	PERCENTAGE RECOVERY
11	80%
12	80%
13	80%
14	60%
15	60%
16	60%
17	40%
18	40%
19	40%
20	20%
21	20%
22	20%
23	10%
24	10%
25	10%

5. TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF AFFECTED PRODUCT OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

No person or entity is authorized by Trex to make and Trex shall not be bound by any statement or representation as to the quality or performance of Trex products other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by Trex and Purchaser.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY FOR NON-PERSONAL INJURY CLAIMS WITH RESPECT TO PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.

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TREX SIGNATURE® RAILING LIMITED WARRANTY

Trex Company, Inc. (hereinafter "Trex") warrants to the original purchaser ("Purchaser") that, under normal use and service conditions, Trex Signature® Railing (the "Product") shall, for a period of twenty-five (25) years from the date of original purchase, be free from material defects in workmanship and materials. If a defect occurs within the warranty period, Purchaser shall notify Trex in writing and, upon confirmation by an authorized Trex representative of the defect, Trex's sole responsibility shall be, at its option, to either replace the defective Product or refund the portion of the purchase price paid by Purchaser for such defective Product (not including the cost of its initial installation).

With respect to installations where the atmosphere is influenced by a body of salt water (or other contaminant conditions), failure to adhere to the cleaning guidelines available at www.trex.com will void this warranty with respect to any condition resulting from such failure.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, THIS WARRANTY SHALL NOT COVER AND TREX SHALL NOT BE RESPONSIBLE FOR COSTS AND EXPENSES INCURRED WITH RESPECT TO THE REMOVAL OF DEFECTIVE PRODUCT OR THE INSTALLATION OF REPLACEMENT MATERIALS, INCLUDING BUT NOT LIMITED TO LABOR AND FREIGHT.

This warranty may be transferred one (1) time, within the five (5) year period beginning from the date of original purchase by the Purchaser, to a subsequent buyer of the property upon which the Product was originally installed.

To make a claim under this limited warranty, Purchaser, or the transferee, shall send to Trex, within the warranty period referred to above, a description of the claimed defect and proof of purchase, to the following address:

Trex Company, Inc.
Customer Relations
160 Exeter Drive
Winchester, VA 22603-8605

Trex does not warrant against and is not responsible for any condition attributable to: (1) improper installation of the Product; (2) use of the Product beyond normal use and service conditions, or in an application not recommended by Trex's guidelines and local building codes; (3) movement, distortion, collapse or settling of the ground or the supporting structure on which the Product is installed; (4) damages attributable to fire, violent storms, earthquake or other Acts of God, accidents, vandalism, or other casualties, impact of objects, or exposure to atmospheric pollutants or conditions other than natural weather processes, (5) improper handling, storage, abuse or neglect of the Product by Purchaser, the transferee or third parties; or (6) ordinary wear and tear.

No person or entity is authorized by Trex to make and Trex shall not be bound by any statement or representation as to the quality or performance of Trex products other than as contained in this warranty. This warranty may not be altered or amended except in a written instrument signed by Trex and Purchaser.

TO THE FULLEST EXTENT PERMITTED UNDER THE LAW, UNDER NO CIRCUMSTANCES WILL TREX BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER SUCH DAMAGES ARE SOUGHT IN CONTRACT, IN TORT (INCLUDING BUT NOT LIMITED TO NEGLIGENCE AND STRICT LIABILITY) OR OTHERWISE, AND TREX'S LIABILITY FOR NON-PERSONAL INJURY CLAIMS WITH RESPECT TO DEFECTIVE PRODUCTS SHALL IN NO EVENT EXCEED THE REPLACEMENT OF SUCH PRODUCTS OR REFUND OF THE PURCHASE PRICE, AS DESCRIBED ABOVE.

Some States or Provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State or Province to Province.

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Go step-by-step with our helpful

ONLINE TOOLS

1. GET A SENSE OF COLOR & COSTS

Color Selector
Find a hue that says "you" at colors.trex.com

Decking & Railing Duos
Select a pre-styled pairing at duos.trex.com

Cost Calculator
Estimate the price of your deck at price.trex.com

2. DETERMINE SIZE & SHAPE

Deck Starter
Design your deck in three clicks at getstarted.trex.com

Deck Designer
Get a shareable blueprint with our virtual reality tool at 3Ddesign.trex.com

3. SECURE SAMPLES & GET MOVING

Board Samples
Compare and contrast footlong boards at order.trex.com

Trex Locator
Find nearby retailers at find.trex.com

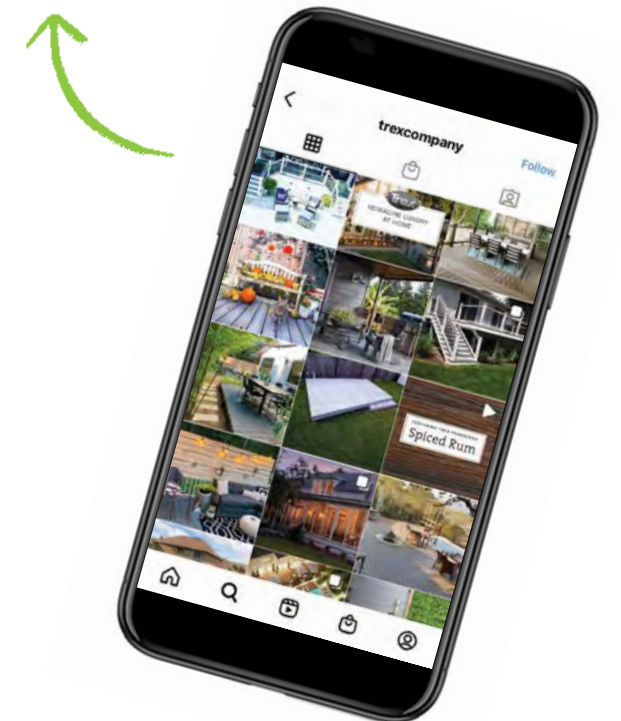
TrexPro® Locator
Find a local, pre-approved contractor at pros.trex.com



 @TrexCompany

SHARE YOUR BUILD

Tag your photos with **#trexdecking** to be featured on our Instagram feed.



RED RECTANGLE DENOTES ARCHITECT'S SELECTIONS

Superior Product Design for Ultra-Strength



High-strength Ultrum™ Alloy, Made in the USA

It's as strong as steel, but will never rust. Ultrum is a 6005-T5 alloy, with a minimum ultimate strength of 35,000 psi.



Factory assembled, with stainless-steel fasteners

For structural integrity and strength you can count on.



All gates are fastened and 100% welded at all connections and joints
Designed to stand up to the rigors of everyday use.



Powercoat™ Finish—panels, gates, posts and designer accessories

Our Powercoat™ finish is twice the thickness and hardness of a typical acrylic, baked enamel, or "wet paint" finish, making it more durable, fade-resistant and scratch-resistant than other coatings.



Colors

Ultra Aluminum™ fencing, railing, gates and designer accessories are available in nine classic colors as well as custom specified hues. All colors are applied with an exclusive Powercoat™ finish to resist harsh weather and heat.



Colors shown represent an approximate comparison and may vary slightly from actual product color.



Ultra Aluminum™ Lifetime Warranty

Ultra Aluminum fence and railing products are guaranteed for life against defects in workmanship and/or materials. The exclusive Powercoat™ finish on all fencing and railing by Ultra Aluminum is unconditionally guaranteed for life against cracking, peeling or chipping. Visit our website for more information and a copy of the warranty.



Environmentally Responsible

We are proud to use recycled aluminum in our products. Aluminum is the most commonly recycled metal in the world. Our Powercoat™ coating process is environmentally friendly and virtually pollution-free.



ULTRAFENCE.COM | ULTRARAILING.COM

UA 06 9/19

800.656.4420

Ultra and the picket caps logo is a registered trademark of Ultra Aluminum Manufacturing Inc.



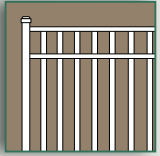
Aluminum Fencing and Railing



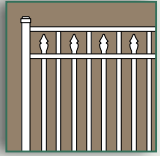
Residential, Commercial and industrial



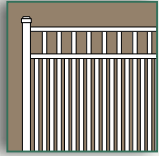
Ultra Fencing™ Design Options



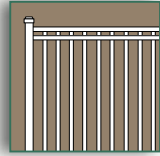
UAF-200 Flat-Top



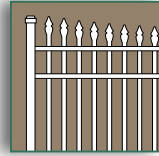
UAF-250 Flat-Top with Spear



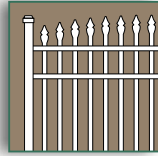
UAF-201 Flat-Top with 1-5/8" Spacing



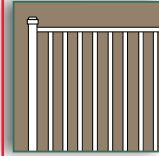
UAB-200 Flat-Top Flush



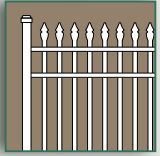
UAS-300 Concave



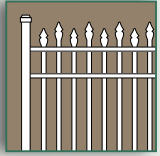
UAS-350 Convex



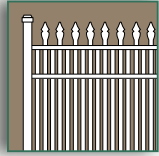
UAB-400 Ultra Picket



UAS-100 Spear Top



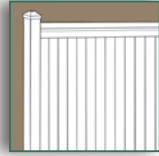
UAS-150 Staggered Spear



UAS-101 Spear Top with 1-5/8" Spacing



UAL-100 Curved-Top with Spear



Eclipse™ Privacy

Ultra Aluminum™ fencing is available in a wide selection of design configurations. Residential available in 3-13/16" or 1-5/8" spacing. Commercial available in 3-5/8" or 1-1/2" spacing. Industrial fencing not available in UAB-200 or UAB-400.

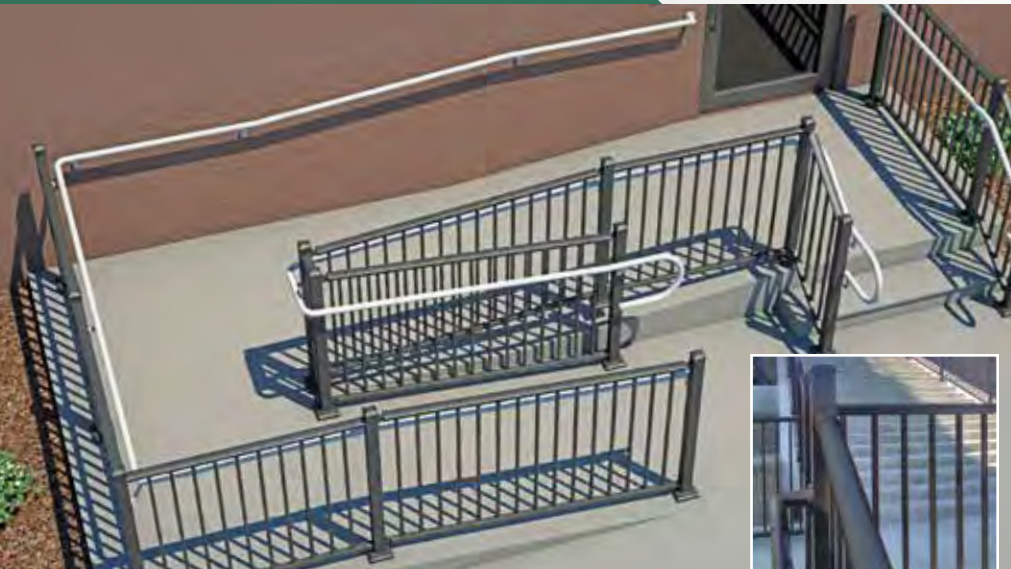
Designer Accessories

Our cast aluminum designer accessories include scrolls, butterflies, circles and two styles of finials, all available in the same Powercoat™ finish for a perfect accent.



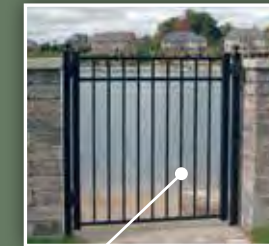
From Left To Right: Decorative Circles, Butterfly Scrolls, Large Scrolls, Quad-Finial, Tri-Finial, Ball Cap

ULTRA RAILING™



Ultra Aluminum™ 1.5" Secondary Handrails

We designed our Ultra 1.5" secondary handrail as a modular system to meet the railing code requirements for the Americans with Disabilities Act and Uniform Federal Accessibility Standards. It works well with Ultra Signature™ and Ultra Max® Railing systems.



STANDARD WALK GATE



STANDARD DRIVE GATE



ULTRA ESTATE COLLECTION DRIVE GATE

Pool Fencing

We design fencing to meet all the stringent BOCA pool safety codes, and to enhance your property at the same time. Most notably, the bottom rail can be flush with the bottom of the fence, so no pickets are exposed.

All pool fence sections come factory pre-assembled in 6' lengths with a broad offering of heights— 48", 54", 60", and 72". Custom lengths and heights available.



OUR FENCING IS SPECIALLY DESIGNED FOR SAFETY AROUND POOL ENCLOSURES.

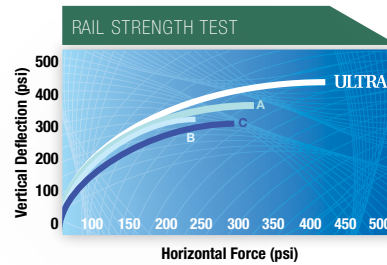
Walk and Drive Gates

Matching Walk and Drive Gates can typically be manufactured in widths ranging from 3' – 28' and in heights from 3' – 8'. Please consult your sales representative for variations.

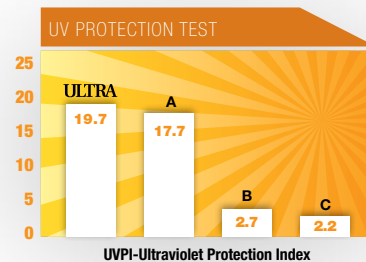
Residential and Commercial Series also available in Premium grade, featuring a 2-piece fully encased rail that provides additional strength and hides the fasteners.



We make a scale of fencing for every neighborhood and home style. All fence sections come factory pre-assembled in 6' lengths with a broad offering of heights—36" to 144". Custom lengths and heights are available by special order. Each section easily follows modest changes in grade along your property lines, or can be factory designed to conform to more prominent hills and valleys.



An independent test lab pushed our fencing and our competitors' to their limits. The Rail Strength Test revealed the extra pressure that Ultrarail™ can withstand on a daily basis, surpassing one competitor's product by nearly 100%.



An independent lab's accelerated weathering test shows that the Ultra's exclusive Powercoat™ finish maintains higher levels of UV Protection compared to other leading manufacturers' finishes.

RESIDENTIAL SERIES sets the standard for perimeter and pool fencing.



1.0" X 1.125" REINFORCED RAIL
0.625" PICKETS

COMMERCIAL SERIES has larger-scale components for heavier-duty performance.



1.25" X 1.375" REINFORCED RAIL
0.75" PICKETS
1.5" SPACING (OPTIONAL)

ECLIPSE™ PRIVACY SCREENING the ultimate in heavy-duty, low-maintenance privacy and security.



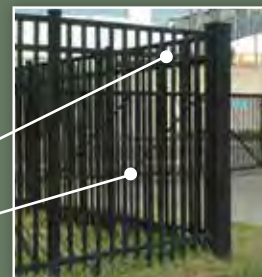
0.75" X 5.0" X .080" T&G BOARDS

Industrial Strength

For applications where additional security and strength are required, Ultra has developed Industrial Series fencing. Our Industrial fence sections come in 6' and 8' lengths, and heights from 3' to 12'. Custom lengths and heights are available by special order. Some limitations apply; ask your sales representative for details.

Industrial Series also available in Premium grade, featuring a 2-piece fully encased rail that provides additional strength and hides the fasteners.

INDUSTRIAL SERIES incorporates our largest-scale components for industrial-strength and safety.



1.625" X 1.625" REINFORCED RAIL
1.0" PICKETS

259 MPH TOUGH!

Our fencing tested to withstand hurricane wind gusts of up to 259 MPH.

