



MEETING AGENDA
The City of Beaufort
HISTORIC DISTRICT REVIEW BOARD
Wednesday, November 13, 2024, 2:00 P.M.
City Hall, Council Chambers, 2nd Floor – 1911 Boundary Street, Beaufort, SC

Please click the link below to access the webinar:

<https://us02web.zoom.us/j/82952510575?pwd=M9poeh58v4xHXIrs6eUtlnda0G1E5O.1>

Password: 850001 Meeting ID: 829 5251 0575 Call in Phone #: 1+929 205 6099

STATEMENT OF MEDIA NOTIFICATION: “In accordance with South Carolina Code of Laws, 1976, Section 30-4-80(d), as amended, all local media were duly notified of the time, date, place, and agenda of this meeting.”

Note: A project will not be reviewed if the applicant or representative is not present at the meeting.

I. **Call to Order:**

II. **Review of Minutes:**

A. **October 9, 2024 Meeting Minutes**

III. **Applications:**

A. **1110 Greene Street, PIN R120 004 000 0277 0000**, new construction
Applicant: Edward Simpson, homeowner.

The applicant is requesting final approval for the construction of a single-family home and garage/ADU.

IV. **Discussion**

V. **Adjournment**



Historic District Review Board Meeting Minutes – October 9, 2024

CALL TO ORDER

0:36

A meeting of the Historic District Review Board was held in-person on Wednesday, October 9, 2024 at 2:00 pm.

ATTENDEES

Members in attendance: Mike Sutton (Chair), Grady Woods, (Vice-Chair), Kim Petrella and Rita Wilson.

Members absent: Eric Berman

Staff in attendance: Curt Freese (Community Development Director), Maria Shorts and Jeremy Tate (Meadors Architecture).

REVIEW OF MINUTES OF SEPTEMBER 11, 2024

1:03

Ms. Wilson noted minor changes on page 3 at the top the word interesting *should be interested*, on the same page under Maxine Lutz’s comment, *strike out the word because*; in the same paragraph, in the last line, *add the word be before the word subdivision*; on the same page under Ms. Petrella’s comment, after the word really, *strike the word isn’t*; and on the same page in the last paragraph that says, Ms. Petrella asked “if the applicant is of essence in wanting to do this as soon as possible”, *change the word if to of*.

Motion: Ms. Wilson made a motion to approve the September 11, 2024 minutes with the noted changes; seconded by Mr. Woods. Ms. Petrella abstained from voting and Mr. Berman was absent. The motion passed unanimously.

All Historic District Review Board Meeting minutes are recorded and can be found on the City’s website at <http://www.cityofbeaufort.org/AgendaCenter>.

APPLICATIONS

2:52

- A. **1011 Washington Street (Washington Street Park), PIN R120 004 000 0287 0000**, renovations
Applicant: Steven Wall, agent for the City of Beaufort

Curt Freese presented his staff report.

Public Comment:

Maxine Lutz, Historic Beaufort Foundation (HBF) Representative, stated the Preservation Committee said the project is great.

Daniel Blackman, 1010 Duke Street, gave some background information on the park. He was appointed as part of the community committee. Mr. Blackman has been in the community for 12 years. There are many celebration and other events happening at the park; it's a very active park. The wood proposed is, so the pavilion is envisioned to give it a context of going back rather than having something shiny and white like a lot of house are now being erected in the Northwest Quadrant (NWQ). We don't want a cookie cutter structure. At the request of the people who live there, they want a wood stained structure. A lot of the houses that were built in this area were built from salvaged materials and that's where we get the wood stained structure from. The reasons we would like the tree removed is because the pavilion cannot be fully seen.

Fred Washington, Jr., 804 West Street, is a native Beaufortonian and grew up in this neighborhood. The history is correct and there was a time when as a black person, there weren't facilities for our kids and then there was a group of citizens that decided to do something about it. At present, the neighborhood is transitioning, and we need to transition with the times. The plan is to have an area that reflects not just the past, present but future. We want to retain the natural look and not a cookie cutter view. He referred to the famous legend, Aunt Shirley Pooh, that lives in the neighborhood.

Peggy Simmer said she was on the Washington Street Park Project Committee. It is a park that is used a lot. We are trying to get the bathrooms to be more like the pavilions. Mike Murphy with Preservation Tree looked at the trees. It's a community park with so much history and does so much for the community. The committee spent a lot of time and gave a lot of thought for the park.

Public comment closed.

Motion: Mr. Woods made a motion to grant approval to the application based on staff's recommendations. Ms. Petrella seconded the motion. The motion passed unanimously.

- B. **1305 North Street, PIN R120 004 000 0674 0000**, Additions
Applicant: Rob Montgomery, Montgomery Architecture + Planning

50:11

Ms. Petrella recused herself from this project.

Curt Freese presented his staff report.

Public Comment:

Maxine Lutz, Historic Beaufort Foundation (HBF) Representative, stated HBF is in support of the project. It meets the Seven Integrities, and HBF supports final approval.

Public comment closed.

Motion: Mr. Woods made a motion to grant approval to the project as submitted. Ms. Wilson seconded the motion. The motion passed unanimously.

- C. **408 Carteret Street, PIN R120 004 000 0814 0000**, Window Replacement
Applicant: David Murray, agent for Carteret Street United Methodist Church

1:01:13

Ms. Petrella returned to the Board at this point.

Curt Freese presented his staff report.

Public Comment:

Maxine Lutz, Historic Beaufort Foundation (HBF) Representative, stated HBF is in support of this project and staff's recommendations and condition of the PCV.

Public comment closed.

Motion: Mr. Woods made a motion to grant final approval to the project as submitted with staff's condition #1. Ms. Wilson seconded the motion. The motion passed unanimously.

- D. **1110 Greene Street, PIN R120 004 000 0277 0000**, New Construction
Applicant: Edward Simpson

1:05:05

Curt Freese presented his staff report.

Public Comment:

Maxine Lutz, Historic Beaufort Foundation (HBF) Representative, HBF is very supportive of the project and agrees with staff's comments.

Public comment closed.

Motion: Ms. Petrella made a motion to grant preliminary approval with staff's conditions and with the discussion the Board had today regarding the chimney and the windows. Mr. Woods seconded the motion. The motion passed unanimously.

DISCUSSION – STREAMLINING PROCESSES

1:26:24

Curt Freese spoke about the streamlining process. [see attached memo]

Mr. Freese went over the policies for porch decking, metal roofing. [see attached]

Mr. Freese also provided a copy of the new HRB Applications: one for Major Review and one for Minor Review. [see attached]

Mr. Freese asked the board members if they were interested in going to Meadors in Charleston for training. All board members agreed it would be good with the exception of Mr. Berman who was not present.

ADJOURNMENT

1:46:21

Mr. Woods made a motion seconded by Ms. Wilson to adjourn. The meeting ended at 3:46 pm.



CITY OF BEAUFORT
Community Development Department

SCOTT MARSHALL
City Manager

1911 BOUNDARY STREET
BEAUFORT, SC 29902
(843) 525-7011
FAX (843) 986-5606

CURT FREESE
Community Development
Director

Date: October 9, 2024

From: Curt Freese, Community Development Director

To: HRB

ISSUE: Streamlining Processes

BACKGROUND:

Staff is undertaking a review of policies and procedures to streamline and simplify the historic review process for citizens, contractors, staff and the HRB alike. At the July training session, Staff led discussion regarding creating policies to handle decking and roofing materials and questions. The policies in the packet, would in Staff's mind, provide a template for easily understood and administratively approved changes to both decking and roofing, avoiding costly and time consuming reviews and HRB approvals.

Moreover, Staff has revised the HRB applications. The current application is confusing in that it is the same for minor and major projects and provides little guidance with regards to the process. To streamline this process, Staff has created two new applications, one for minor administrative reviews, and one for major reviews which go to the HRB. Staff has also significantly revised the forms, and has provided additional guidance on the forms, while removing some of the unnecessary requirements on the application. The Community Development Staff is also learning to assist applicants should they not turn in a fully complete application, instead of turning them away.

RECOMMENDATION:

Approve decking and roofing policy



CITY OF BEAUFORT
HISTORIC REVIEW BOARD
1911 BOUNDARY STREET
BEAUFORT, SOUTH CAROLINA 29902
(843) 525-7011 FAX: (843) 986-5606

PORCH DECKING GUIDELINES FOR PROPERTIES IN THE HISTORIC DISTRICT

Many historic buildings in Beaufort retain their original decking, while many structures have required decking replacements over time, oftentimes replaced with either in-kind materials or newer synthetic products.

While replacement of historic wood decks with wooden deck boards of similar profiles are always preferred, alternatives have been used that eliminate concerns such as wood deterioration and promote long-term durability.

These guidelines aim to direct homeowners in the Beaufort Historic District to making informed decisions regarding their porch decks when aiming for a city staff or Board-level approval.

For general porch repairs, refer to Chapter 9 of the Beaufort Preservation Manual.

NOTE: Lists of contributing and non-contributing properties in the Beaufort Historic District can be found online on the City of Beaufort's website.

CONTRIBUTING PROPERTIES

For contributing structures, historic porches should always be maintained and repaired in-kind wherever possible.

If a porch has been determined via photo documentation or in-person site visits to be beyond repair, the first recommendation will always be to replace the porch in-kind with wood boards that match the dimension, profile, and surface pattern of the existing.

If wood is not the desired material by the applicant, synthetic porch materials on contributing structures may be approved on a case-by-case basis by the HRB. These synthetic materials should have the same dimension, profile, and surface pattern of the existing deck

boards. Faux textured surfaces are not appropriate on historic properties.

- For contributing structures with existing tongue and groove boards, a deck board with a similar profile should be used. It is inappropriate to replace a historic profile with a simpler, modern profile.
- Some synthetic decking manufacturers offer end caps to protect the exposed faces of the deck boards. This, however, is not an appropriate detail as end caps are not traditional on historic porches.

NON-CONTRIBUTING PROPERTIES

Synthetic porch materials on non-contributing and new structures may be approved by city staff on a case-by-case basis, with the option for staff to elevate the project to Board-level review should they see fit.

Synthetic materials are more appropriate on non-contributing structures, as many of these structures often were constructed in the mid- to late-twentieth century, and many have been altered over time.

- For non-contributing structures with existing tongue-and-groove boards, a deck board with a similar profile should be used. However, a simpler profile may be considered for these structures.
 - End caps may also be considered for non-contributing structures.
- For new construction, both wood and synthetic materials can be considered.



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BEAUFORT, SOUTH CAROLINA 29902
(843) 525-7011 FAX: (843) 986-5606

METAL ROOFING GUIDELINES FOR PROPERTIES IN THE HISTORIC DISTRICT

Changes in roofing material on contributing structures are to be reviewed by the Historic Review Board.

Changes in roofing material on noncontributing structures are to be reviewed at staff level on case-by-case basis, with the option for staff to elevate the project to Board-level review should they see fit.

NOTE: Lists of contributing and non-contributing properties in the Beaufort Historic District can be found online on the City of Beaufort's website.

TERNE METAL

Terne metal is a historically significant roofing material still found on many historic structures in Beaufort's Historic District. Terne metal requires cyclical maintenance and recoating to extend the roof's shelf life. In certain cases, the terne metal has been damaged or not properly maintained, and thus have areas of rust that compromise the roofs watertightness.

The longstanding policy of the City of Beaufort Staff Architect is to preserve as many historic terne metal roofs as possible. Staff will always ask for photo documentation of a terne metal roof that is being requested to be removed in order to gauge the extents of the roof damage and if the terne metal condition warrants a full replacement or if repair/recoating is possible.

If staff determines that the terne metal may be preserved, staff will recommend the applicant recoat the roof with an appropriate coating material.

If staff determines that the terne metal cannot be preserved, staff will recommend the applicant install an appropriate metal roof, such as a mechanical lock standing seam roof (such as copper, steel, galvalume, or aluminum). Staff

does not support the replacement of a historic terne metal roofs with a significantly different material such as asphalt shingles.

STANDING SEAM ROOFS

Mechanical lock standing seam roofs and snap-lock standing seam roofs are two metal roofing options which may be appropriate for certain buildings in the historic district.

Mechanical lock standing seam roofs may be used as a replacement for terne metal (see section above), roofs on non-contributing structures, new construction, or roof replacements on contributing structures with a non-historic roof (i.e. asphalt shingle, 5V). Mechanical lock roofs, allow for hand-folded and crimped ridge and hips without the need of bulkier ridge and hip caps. These roofs, however, require the use of skilled craftsmen who can hand-fold these more laborious details. However, hand-folded mechanical lock roofs are the most appropriate substitute for historic terne metal.

Snap lock roofs may be appropriate for new construction or roof replacements on non-contributing structures, as these roofs incorporate larger caps to protect the hips and ridges from wind-driven rain. Since snap lock roofs standing seams cannot be hand-folded to create smaller hip and ridge folds, these are not appropriate for historic, contributing structures.



HISTORIC REVIEW APPLICATION MAJOR REVIEW (HISTORIC REVIEW BOARD)

Community Development Department
1911 Boundary Street, Beaufort, South Carolina, 29902
p. (843) 525-7011 / f. (843) 986-5606
Email: development@cityofbeaufort.org / Website: www.cityofbeaufort.org

Application Fee:
see attached schedule

OFFICE USE ONLY: Date Filed: _____ Application #: _____

Zoning District: _____

- HAS PROJECT ATTENDED HTRC MEETING? (REQUIRED) YES NO
- IS PROJECT A CONTRIBUTING STRUCTURE?
 - OR NON-CONTRIBUTING STRUCTURE:

FOR A LIST OF CONTRIBUTING OR NON-CONTRIBUTING STRUCTURES, PLEASE SEE:

<https://cityofbeaufort.org/350/Beaufort-County-Historic-Sites-Survey>

APPLICABILITY FOR HISTORIC REVIEW BOARD: Major discretionary review board (HDRB) approval shall apply to applications for Certification of Appropriateness per Section 9.10.2 for the following requests (please check all that apply):

- New building(s) in Historic District
- Changes to exterior materials of Contributing Structures
- Additions to Contributing Structures
- Non-similar roof replacement on Contributing Structures (roof with different materials)
- Window replacements on Contributing Structures
- Major changes to a Contributing or Non-contributing Site
- Demolition
- Other changes to exterior of Contributing Structures

SUBMITTAL REQUIREMENTS: All forms and information shall be submitted digitally + 5 hard copies of all documents. In addition to a complete application form, applicants shall submit the required items according to the checklists on the subsequent page.

Pursuant to Section 6-29-1145 of the South Carolina Code of Laws, is this tract or parcel restricted by any recorded covenant that is contrary to, conflicts with, or prohibits the activity described in this application? Yes No

APPLICANT, PROPERTY, AND PROJECT INFORMATION:

APPLICANT NAME: _____

APPLICANT ADDRESS: _____

APPLICANT E-MAIL: _____ APPLICANT PHONE NUMBER: _____

APPLICANT TITLE: Homeowner Tenant Architect Engineer Developer



HISTORIC REVIEW APPLICATION MAJOR REVIEW (HISTORIC REVIEW BOARD)

Community Development Department
1911 Boundary Street, Beaufort, South Carolina, 29902
p. (843) 525-7011 / f. (843) 986-5606
Email: development@cityofbeaufort.org / Website: www.cityofbeaufort.org

Application Fee:
see attached schedule

OWNER (IF OTHER THAN THE APPLICANT): _____

OWNER ADDRESS: _____

PROPERTY ADDRESS: _____

PROPERTY IDENTIFICATION NUMBER (TAX MAP & PARCEL NUMBER): _____

PROVIDE A BRIEF PROJECT NARRATIVE: (Attach any necessary documentation, spec sheets, pictures, paint swatches, etc.):

CERTIFICATION OF CORRECTNESS: I/we certify that the information in this application is correct.

APPLICANT'S SIGNATURE: _____ **DATE:** _____

OWNER'S SIGNATURE: _____ **DATE:** _____

(The owner's signature is required if the applicant is not the owner.)

SCHEDULE:

The Historic Review Board (HRB) typically meets the 2nd Wednesday of each month at 2pm. Staff will schedule HRB meeting after HTRC and review of application submittal for completeness and compliance with the Beaufort Preservation Manual and the City of Beaufort Development Code.

CONTACT INFORMATION:

City of Beaufort Community Development Department
1911 Boundary Street, Beaufort, South Carolina 29902
E-Mail: development@cityofbeaufort.org | Phone: (843) 525-7011 | Fax: (843) 986-5606



**HISTORIC REVIEW APPLICATION
ADMINISTRATIVE REVIEW
(IN-KIND AND RELATED REPAIRS AND IMPROVEMENTS)**

Community Development Department
1911 Boundary Street, Beaufort, South Carolina, 29902
p. (843) 525-7011 / f. (843) 986-5606
Email: development@cityofbeaufort.org / Website: www.cityofbeaufort.org

Application Fee: \$50

OFFICE USE ONLY: Date Filed: _____ **Application #:** _____

Zoning District: _____

- **IS PROJECT A CONTRIBUTING STRUCTURE?**
- **OR NON-CONTRIBUTING STRUCTURE:**

FOR A LIST OF CONTRIBUTING OR NON-CONTRIBUTING STRUCTURES, PLEASE SEE:

<https://cityofbeaufort.org/350/Beaufort-County-Historic-Sites-Survey>

APPLICABILITY FOR ADMINISTRATIVE APPROVAL: Administrative review shall apply to applications for Certification of Appropriateness as per Section 9.10.2 for the following requests (please check all that apply):

- Changes to Non-contributing Structures (proposed new building(s) requires major HRB review)
- In-kind repairs of Contributing and Non-contributing Structures
- Repaint (repainting of Contributing Structure similar color)
- Roof (reroof with similar materials for Contributing Structures)
- Window replacements on Non-contributing Structures
- Fences
- Signs, awnings
- Other changes to exterior of Non-contributing Structures (siding, etc.)

SUBMITTAL REQUIREMENTS: All forms and information shall be submitted digitally. In addition to a complete application form, applicants shall submit the required items according to the checklists on the subsequent page.

Pursuant to Section 6-29-1145 of the South Carolina Code of Laws, is this tract or parcel restricted by any recorded covenant that is contrary to, conflicts with, or prohibits the activity described in this application? Yes No

APPLICANT, PROPERTY, AND PROJECT INFORMATION:

APPLICANT NAME: _____

APPLICANT ADDRESS: _____

APPLICANT E-MAIL: _____ APPLICANT PHONE NUMBER: _____

APPLICANT TITLE: Homeowner Tenant Architect Engineer Developer



**HISTORIC REVIEW APPLICATION
ADMINISTRATIVE REVIEW
(IN-KIND AND RELATED REPAIRS AND IMPROVEMENTS)**

Community Development Department
1911 Boundary Street, Beaufort, South Carolina, 29902
p. (843) 525-7011 / f. (843) 986-5606
Email: development@cityofbeaufort.org / Website: www.cityofbeaufort.org

Application Fee: \$50

OWNER (IF OTHER THAN THE APPLICANT): _____

OWNER ADDRESS: _____

PROPERTY ADDRESS: _____

PROPERTY IDENTIFICATION NUMBER (TAX MAP & PARCEL NUMBER): _____

BUILDING SQUARE FOOTAGE (IF MULTIPLE BUILDINGS, PLEASE LIST EACH ONE AND THEIR SQUARE FOOTAGE BY FLOOR): _____

PROVIDE A BRIEF PROJECT NARRATIVE (Attach any necessary documentation, spec sheets, pictures, paint swatches, etc.):

CERTIFICATION OF CORRECTNESS: I/we certify that the information in this application is correct.

APPLICANT'S SIGNATURE: _____

DATE: _____

OWNER'S SIGNATURE: _____

DATE: _____

(The owner's signature is required if the applicant is not the owner.)

CONTACT INFORMATION:

City of Beaufort Community Development Department
1911 Boundary Street, Beaufort, South Carolina 29902
E-Mail: development@cityofbeaufort.org | Phone: (843) 525-7011 | Fax: (843) 986-5606

1110 GREENE STREET

New single-family house with garage/ADU



STAFF REPORT: 1110 Greene Street – FINAL

DATE: November 13, 2024

GENERAL INFORMATION		
Applicant:	Edward Simpson	
Site Location/Address:	1110 Greene Street; R 120-004-000-0277-0000	
Applicant's Request:	The applicant is requesting final approval for the construction of a single-family home and garage/ADU.	
Current Zoning:	T4-HN	
Contributing/Neighborhood	Vacant/Northwest Quadrant	
ZONING DISTRICT INFORMATION		
	<u>T4-HN</u>	
Lot Width at Setback:	40'	
Max Lot Coverage:	55%	
Min. Frontage Build Out	75% of the lot area	
Front Setback	Average Setback of the block	
Side Setback	Side Interior – 5' min, or 0' if attached. 10' interior in the point	
Rear Setback	15'	
Building Height:	3 stories max	
SURROUNDING ZONING, LAND USE AND REQUIRED BUFFERS		
<u>Adjacent Zoning</u>	<u>Adjacent Land Uses</u>	<u>Setbacks for Adjacent Zoning /Buffer required if rezoned</u>
North: T4-HN	Historic Homes	N/A
South: T4-HN	Historic Homes	N/A
East: T4-HN	Historic Homes	N/A
West: T4-HN	Historic Homes	N/A

Background: The applicant is requesting final approval to build a house and a garage/ADU at 1110 Greene Street. This is currently a vacant interior lot ~4,826 sq, ft in size. The proposed house is one story and 1,542 square feet, with a two-story garage/ADU of 612 sq, ft. The house is 18” wide on a ~39’ wide lot, with a 16’ drive to the western portion of the property accessing Greene Street. The Applicant attended an HTRC meeting in late April 2024, and was granted conceptual approval in June and preliminary approval in October by the HRB.

October 9, 2024, HRB Meeting Conditions and Recommendations

The HRB granted Preliminary approval at its October 9, 2024 meeting with the following conditions and recommendations with changes to the proposed plan below:

1) The proposed changes to the chimney do not reflect typical chimney detailing in the Beaufort Historic District. Staff recommends the applicant consider a unified design from chimney foundation to the chimney cap. The roof should not wrap the chimney as currently proposed.

Change: Applicant has corrected

2) Applicant to provide final cut sheets and/or provide a schedule for all exterior materials (windows, exterior doors, garage doors, brick, decorative exterior lights and porch fans).

Change: Applicant has corrected.

3) Applicant to provide final colors on siding, side door, and roof.

Change: Applicant has provided final colors.

4) Staff does not support the use of vinyl windows on either the main house or the accessory building as the Preservation Manual states these windows as inappropriate. Staff recommends the applicant consider an all-wood, wood-clad, or fiberglass-clad window.

Change: Applicant has provided Anderson 100 series Fiberglass windows.

5) The brackets on the south elevation of the garage appear to be at the wrong height relative to the awning roof beam support. The north elevation brackets appear to properly support the same beam. This condition is more evident on sheet A21, west elevation.

Change: Applicant has corrected.

6) The garage and associated driveway work only if the applicant gains access to maintain and use the existing alley.

Change: Applicant has been in contact about improving alley.

Exterior Materials

	Material	Color
Siding/Trim:	Smooth fiber cement	Arcade White
Doors:	Mahogany Wood Front/Fiberglass Side	Aviary Blue
Windows:	Fiberglass Anderson 100 Series	White
Roof	Metal 5V	Galvalume
Porch	Front porch at grade, 8' in depth, with 9' shed roof with four 8' wood columns.	Arcade White

Tree Removal Proposed:

The proposed layout would require the removal of the following trees:

- 16" Sabal palm,
- 14", 15", 21" Laurel Oaks.

Surrounding Area:

This property is located in the Northwest Quadrant. The buildings on this block are all residential, with a mix of both historic buildings and newer construction. All of these buildings are either one or two stories tall.

Staff Analysis of Changes:

- 1) Staff is supportive of the revised chimney design.
- 2) Staff is supportive of the proposed window selection. Applicant to note on the drawings that all windows must either be true divided-lite windows or be simulated divided-lite windows with exterior grilles on the glass.

Findings for New Historic Infill

Section 4.7 of the Development sets the standards the HRB must use in considering an infill project in the historic district. Section 4.7 states, “The District is the Resource, Not Only Its Individual Parts: Beaufort is comprised of a number of individually significant buildings. Additionally, Beaufort's historic areas are significant as a collective whole, and shall be considered as such and protected in their entirety. This is the primary, overarching principle.” To this end, seven integrity standards found in Section 4.7.2 — why, where and when a property is important — were created to be upheld in all new construction and rehabilitation projects. Guidelines for determining integrity, and staff analysis of each are found below:

<u>4.7.2 Integrity Guidelines</u>	<u>Rationale Present (yes/no)</u>	<u>Staff Analysis of Rationale</u>
1. Location: This is the relationship between the property and its historical context.	Yes	<ul style="list-style-type: none"> ✓ No major structures on this lot in the near past. ✓ Narrow interior lot on the block, well-suited for a narrow one story house,
2. Design: This is the combination of elements that create the feeling of a district or structure. These elements include building patterns, streetscapes, site elements, building size, mass and scale, spatial relationships, and specific architectural elements and details	Yes	<ul style="list-style-type: none"> ▪ The one story house and its architectural details, mass and scale match the Beaufort style and is sensitive to the surrounding area, while still providing much- needed attainable housing with the ADU.
3. Setting: This is the physical environment of a property and should be evaluated on its context as well as on the historical role the property has played and continues to play. Important features include topography, vegetation, man-made features, and relationships between existing structures and their surroundings.	Yes	<ul style="list-style-type: none"> ✓ The setting is residential, with a historic grocery store that was rehabilitated into residential use recently. The one-story home and cottage fit with the existing residential structures in the area.

<p>4. Materials: These are the physical elements that make up a property or district.</p>	<p>Yes/w Condition</p>	<ul style="list-style-type: none"> ✓ The building has typical Beaufort architectural details and materials such as a front porch, metal roofs, and fenestration of the Beaufort style. ✓ Staff would recommend a condition for a wood/fiberglass window to be consistent with this Section
<p>5. Workmanship: This is the physical evidence of the crafts of a particular culture or time period. This particularly applies to rehabilitation projects, but for new infill projects, workmanship of surrounding structures should be considered and respected. Retaining the details of the original craft and craftsman (i.e., wood, masonry, tabby etc.) of the original building ensures the historic fabric is retained and serves as an important component of the integrity and the patina of age of individual structures and the district as a whole.</p>	<p>Yes</p>	<ul style="list-style-type: none"> ✓ The building has typical Beaufort architectural details and materials such as a front porch, metal roofs, and fenestration of the Beaufort style. ✓ Staff would recommend a condition for a wood/fiberglass window to be consistent with this Section
<p>6. Feeling: This is the property's expression of the aesthetic or historic sense of a particular period of time. This particularly applies to rehabilitation projects, but for new infill projects, the feeling of surrounding structures should be considered and respected.</p>	<p>Yes</p>	<ul style="list-style-type: none"> ✓ This is a narrow interior lot on the block, well-suited for a narrow one-story house.
<p>7. Association: This is the direct link between an important historic event or person and a property. This particularly applies to rehabilitation projects, but for new infill projects, association of particular sites and neighborhoods should be considered.</p>	<p>N/A</p>	<ul style="list-style-type: none"> ✓ Staff has not found any relevant history or persons directly linked to this specific property.

FINDINGS AND RECOMMENDATIONS

Staff Recommendation:

Staff recommends Final approval for the proposed single family house and garage/ADU as submitted, in that it satisfies the intent of the Beaufort Preservation Manual and requirements of the Beaufort Code, with the following conditions:

- 1) The alley shall be improved and open before a permit shall be issued.**
- 2) Applicant to clarify the material and provide a more detailed specification of the overhead garage door selection. Vinyl garage doors/doors with a faux wood finish are not appropriate for the historic district.**
- 3) Applicant to clarify if the HVAC unit encroaches over the east setback. If so, the unit may need to be moved. If it remains in this current location, it must be properly screened from view.**

A New Residence for
Edward Simpson

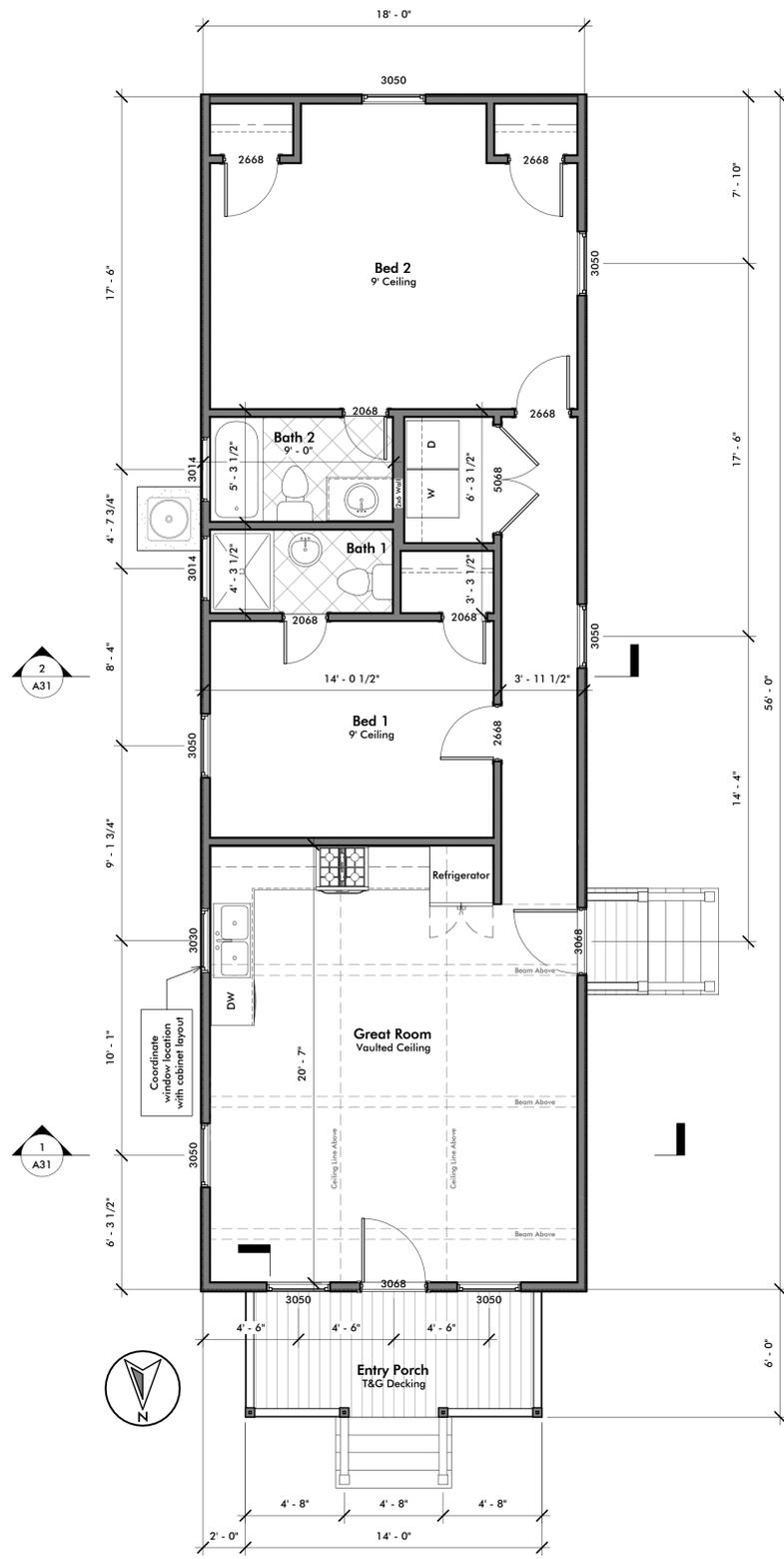
1110 Greene Street
Beaufort, SC 29902

Date Oct. 28, 2024

Scale As indicated

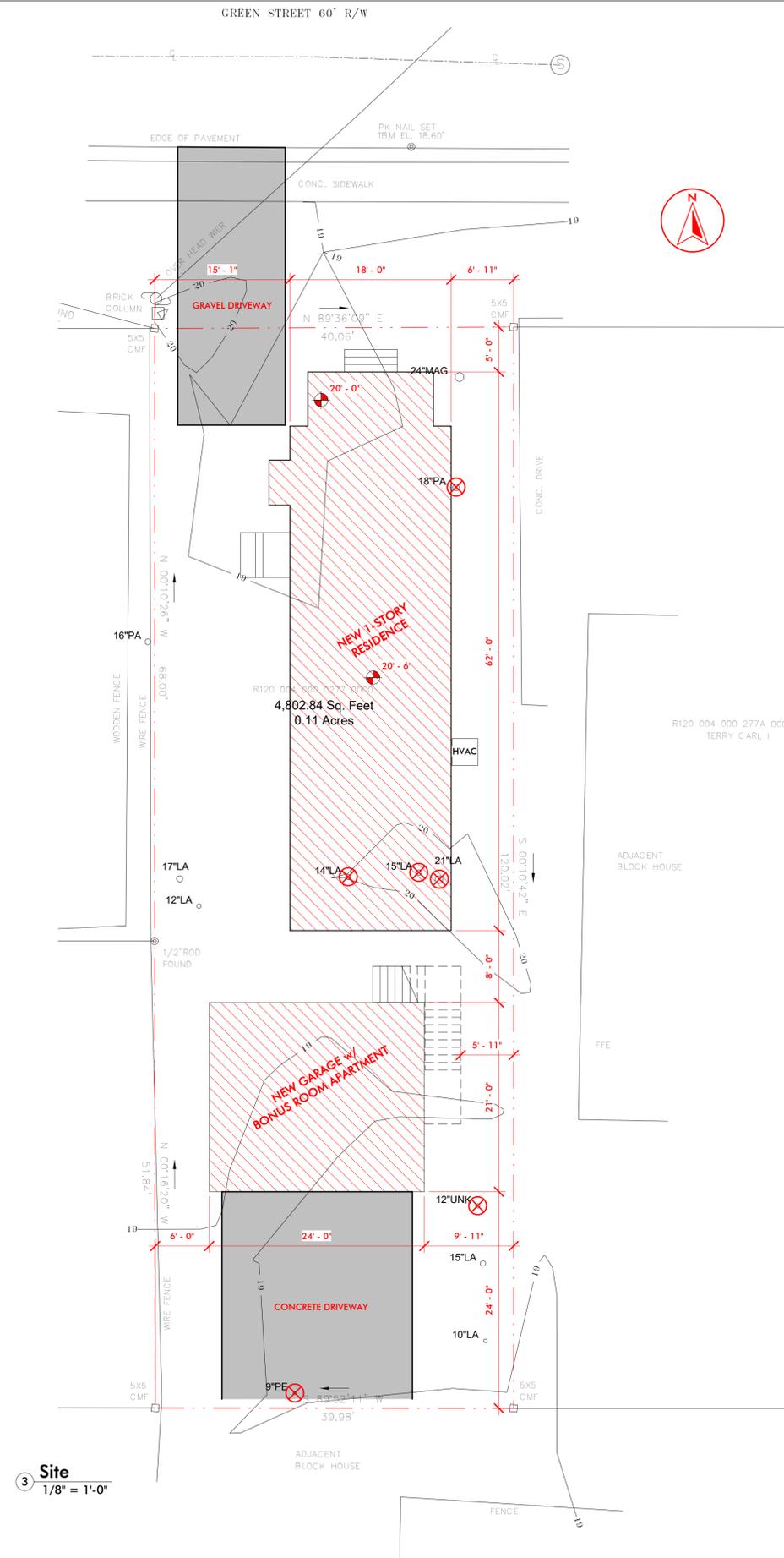
House Plan &
Site

A11

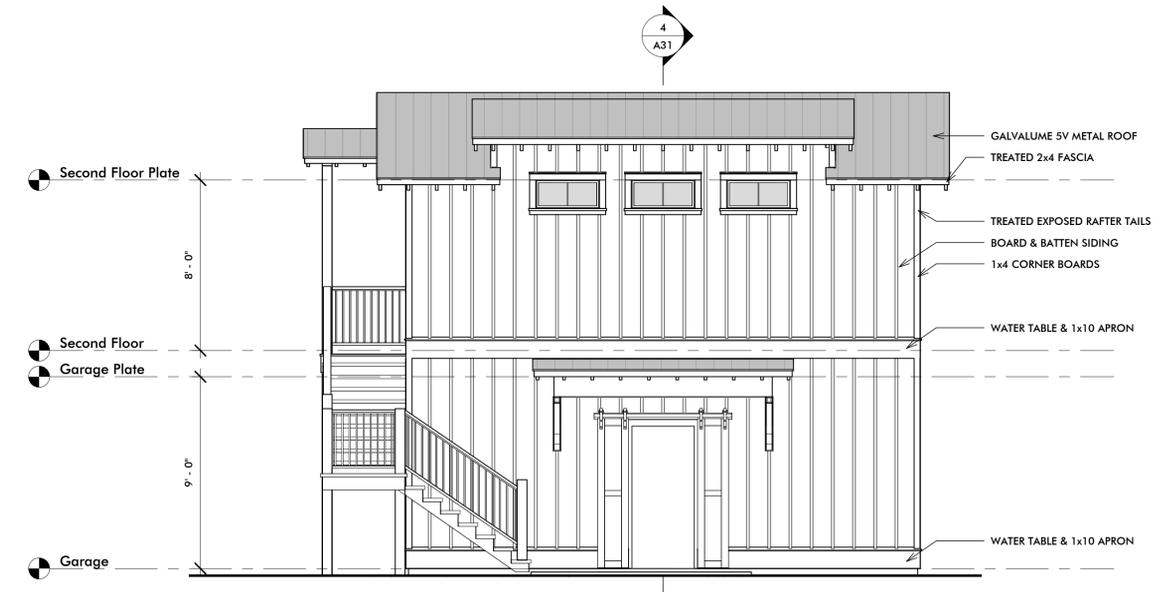


Impervious Areas	
Lot SQFT	4,802.84
Impervious Surfaces	
House & Garage	1608 (33%)
Concrete Driveway	489 (10%)

Area Schedule	
Heated	
First Floor Heated	1020 SF
Bonus Room	504 SF
	1524 SF
Unheated	
Front Porch	84 SF
Garage	504 SF
	588 SF
Total	2112 SF



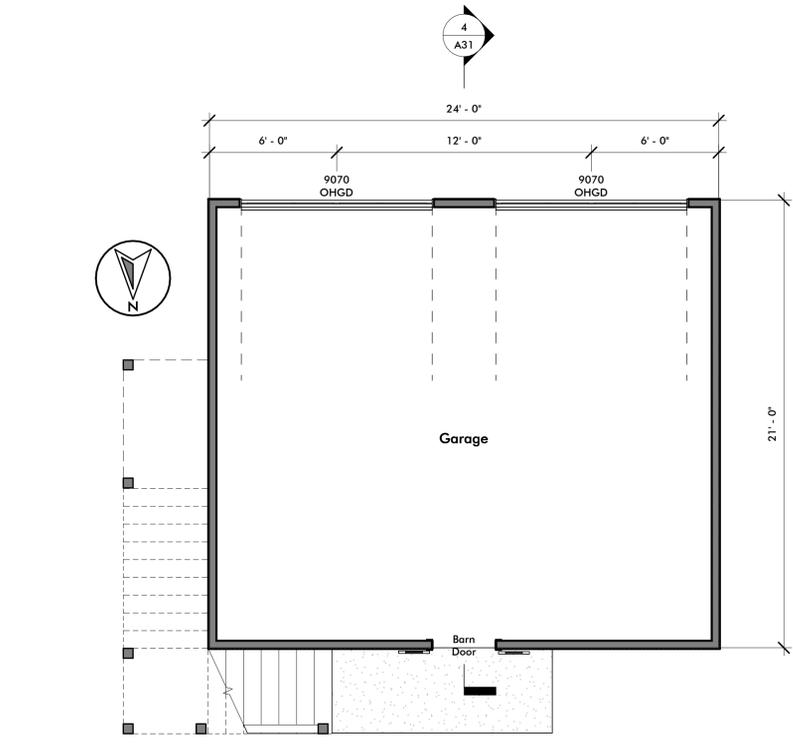
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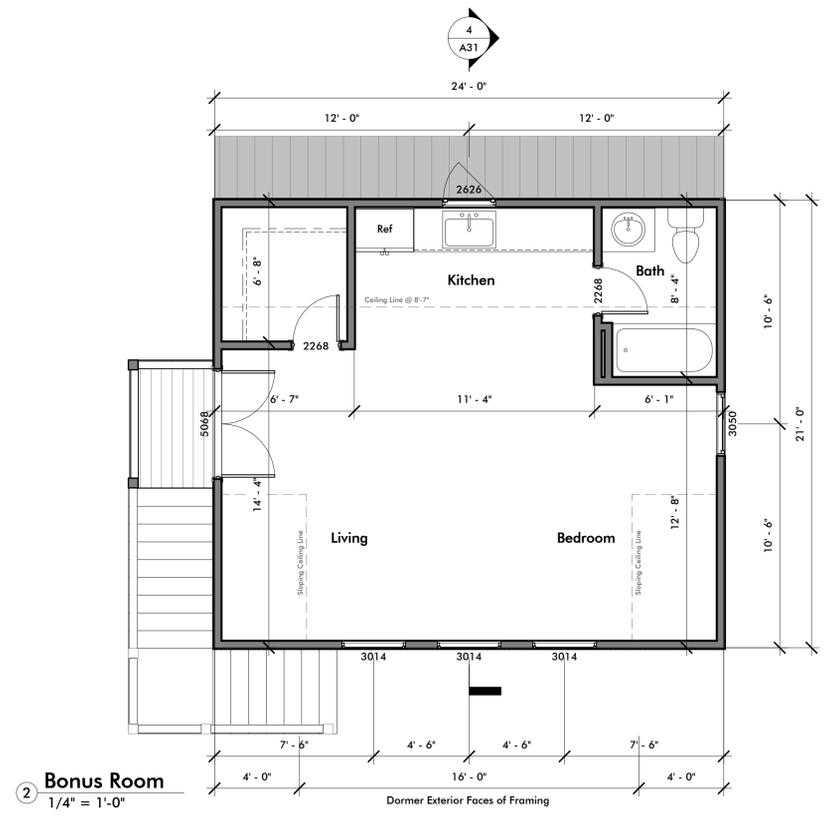
4 North Elevation - Garage
1/4" = 1'-0"



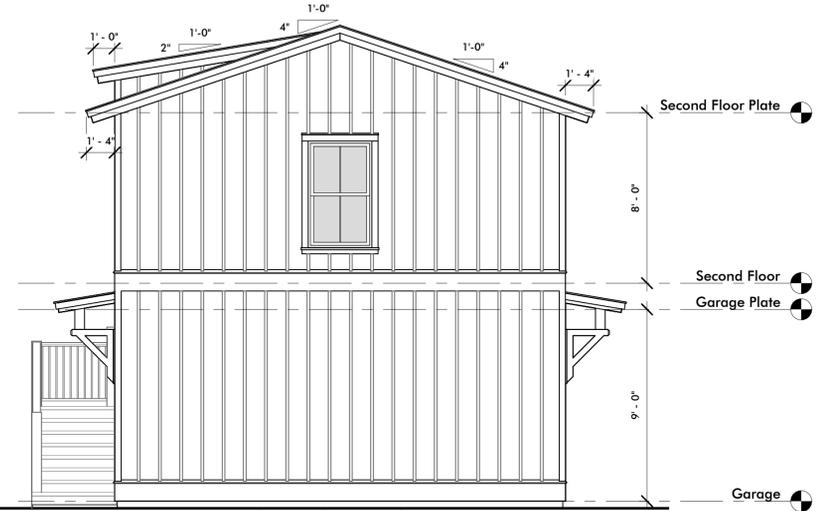
5 South Elevation - Garage
1/4" = 1'-0"



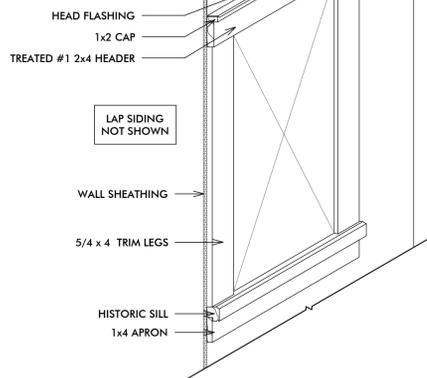
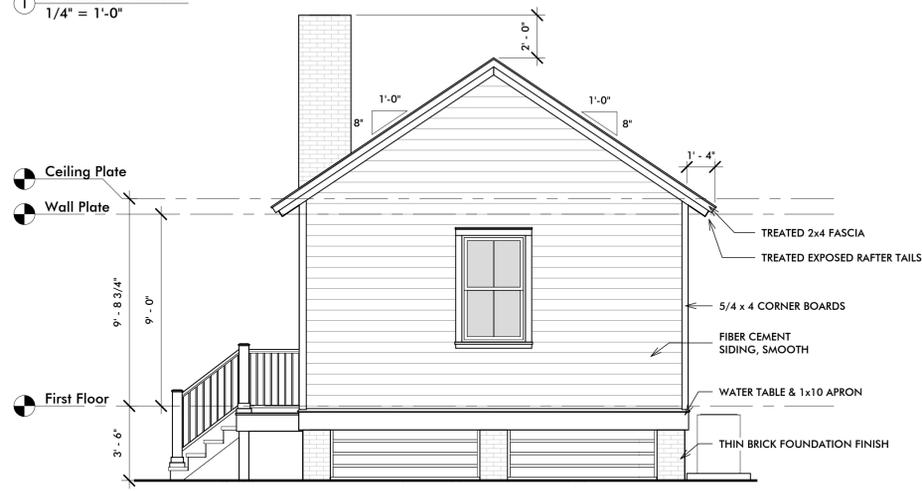
1 Garage
1/4" = 1'-0"



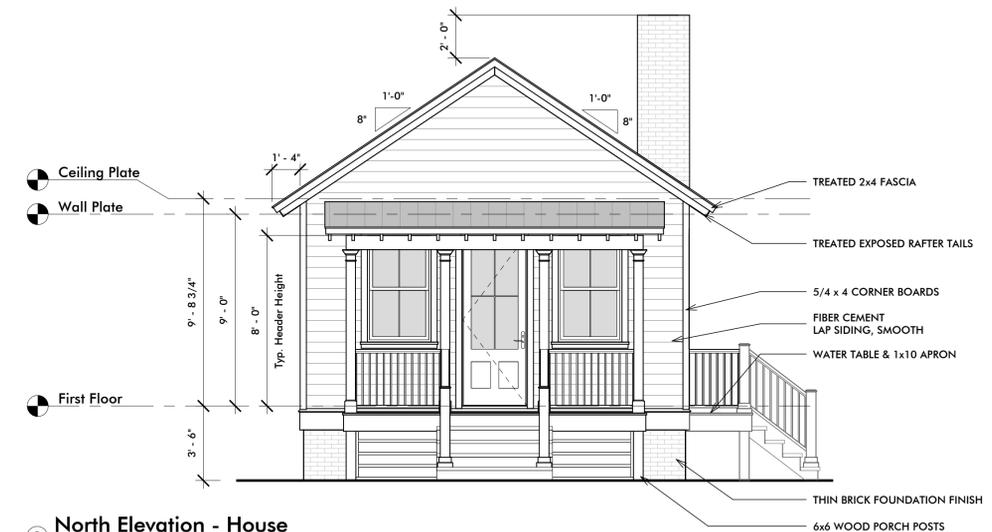
2 Bonus Room
1/4" = 1'-0"



1 West Elevation
1/4" = 1'-0"

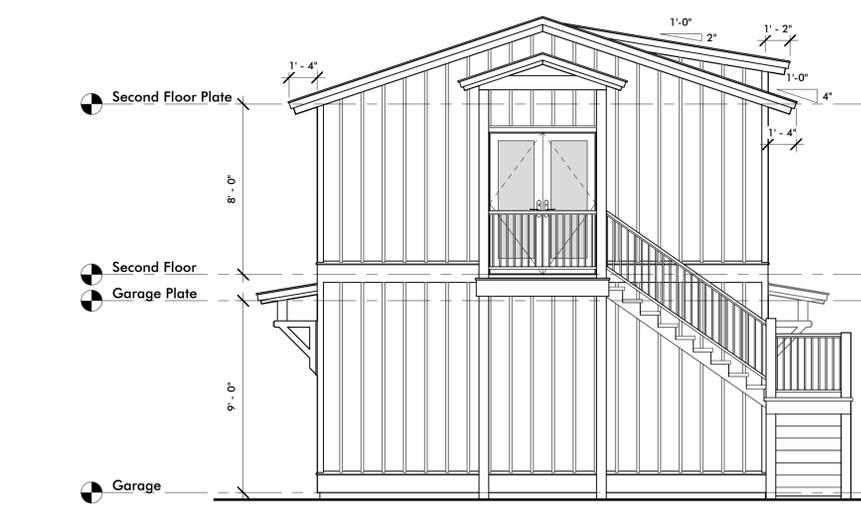


5 Exterior Trim Detail
1" = 1'-0"

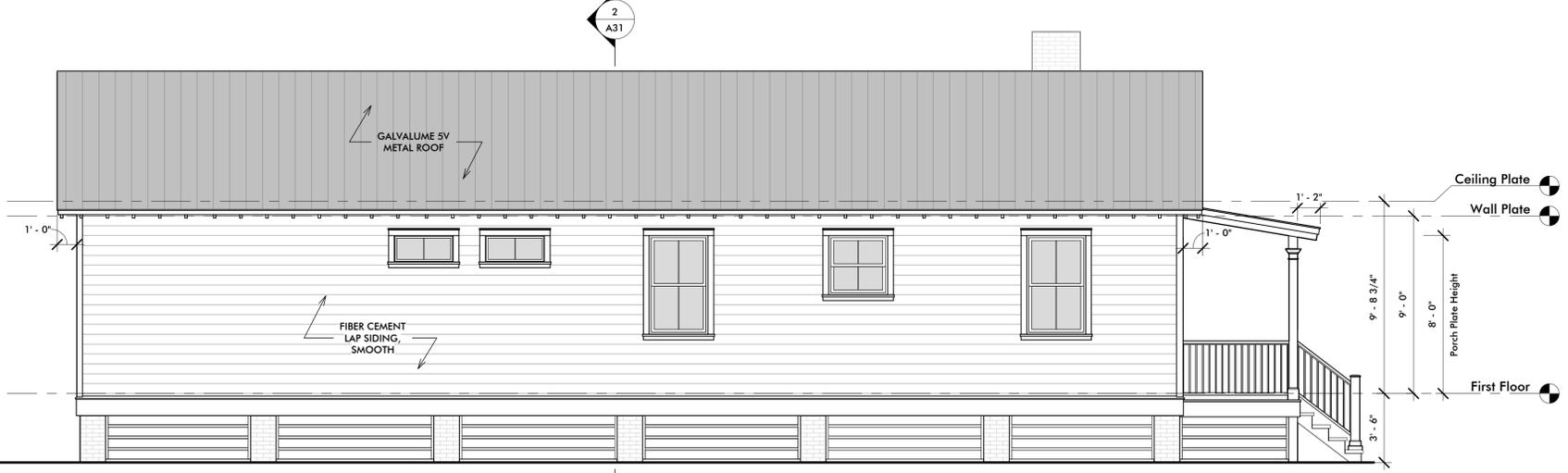


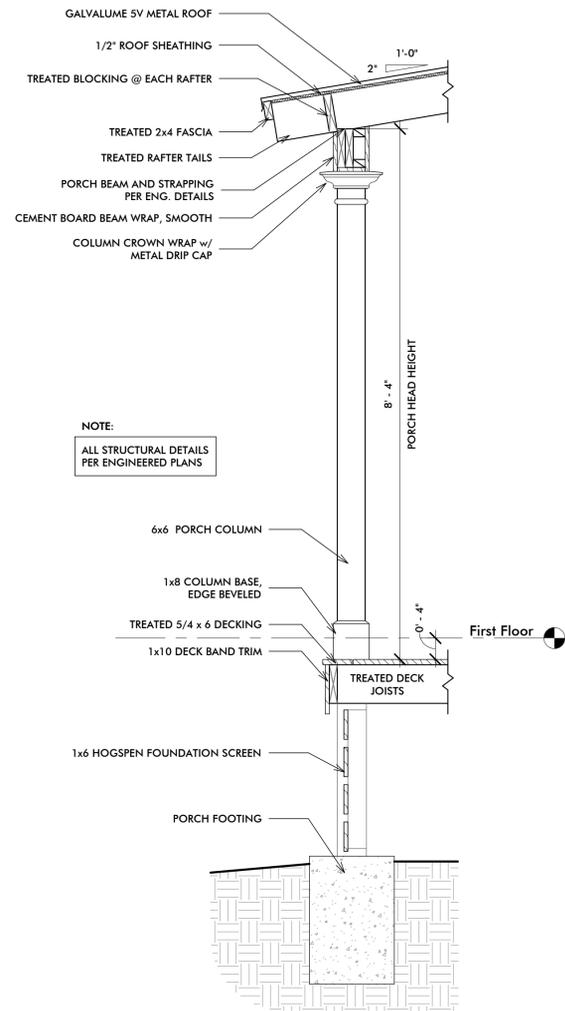
3 North Elevation - House
1/4" = 1'-0"

2 South Elevation - House
1/4" = 1'-0"

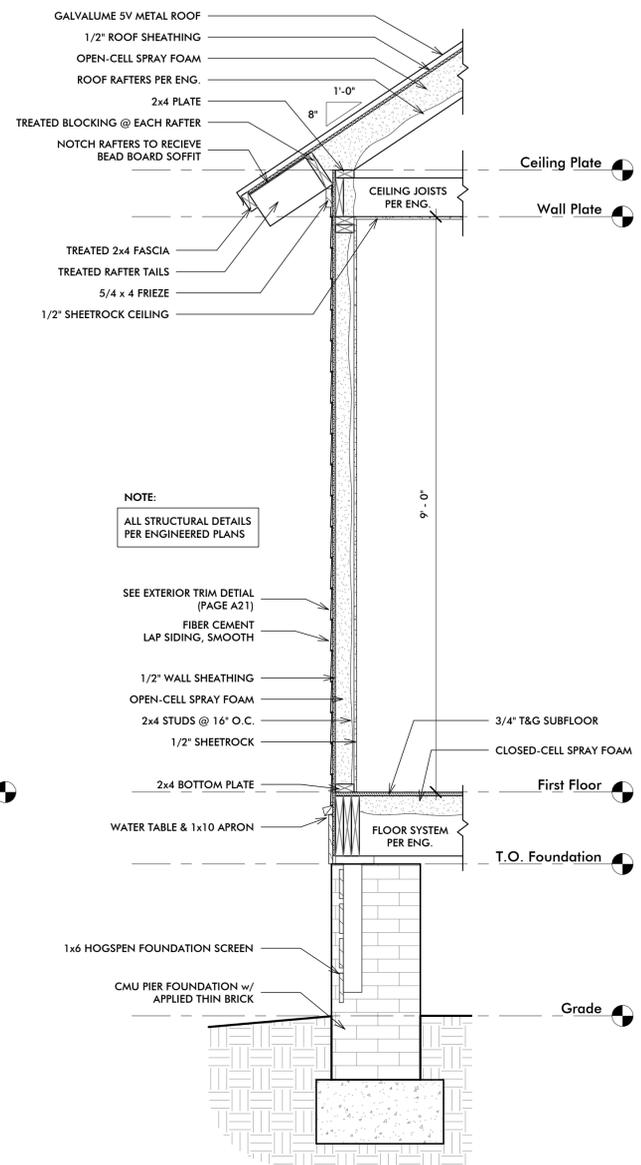


4 East Elevation
1/4" = 1'-0"

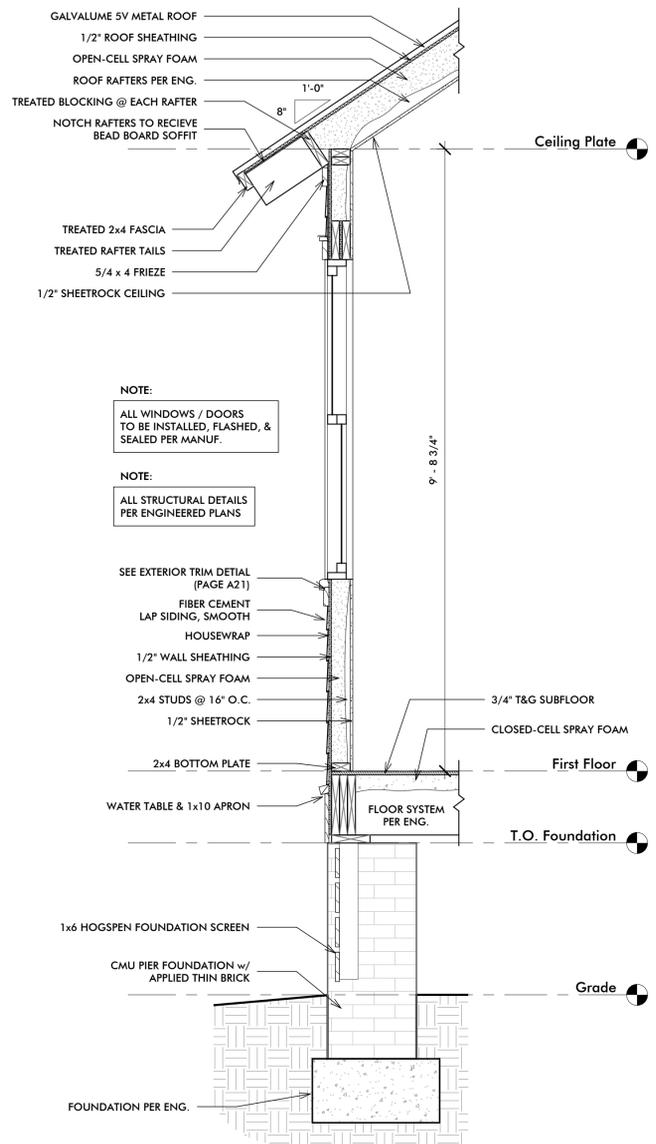




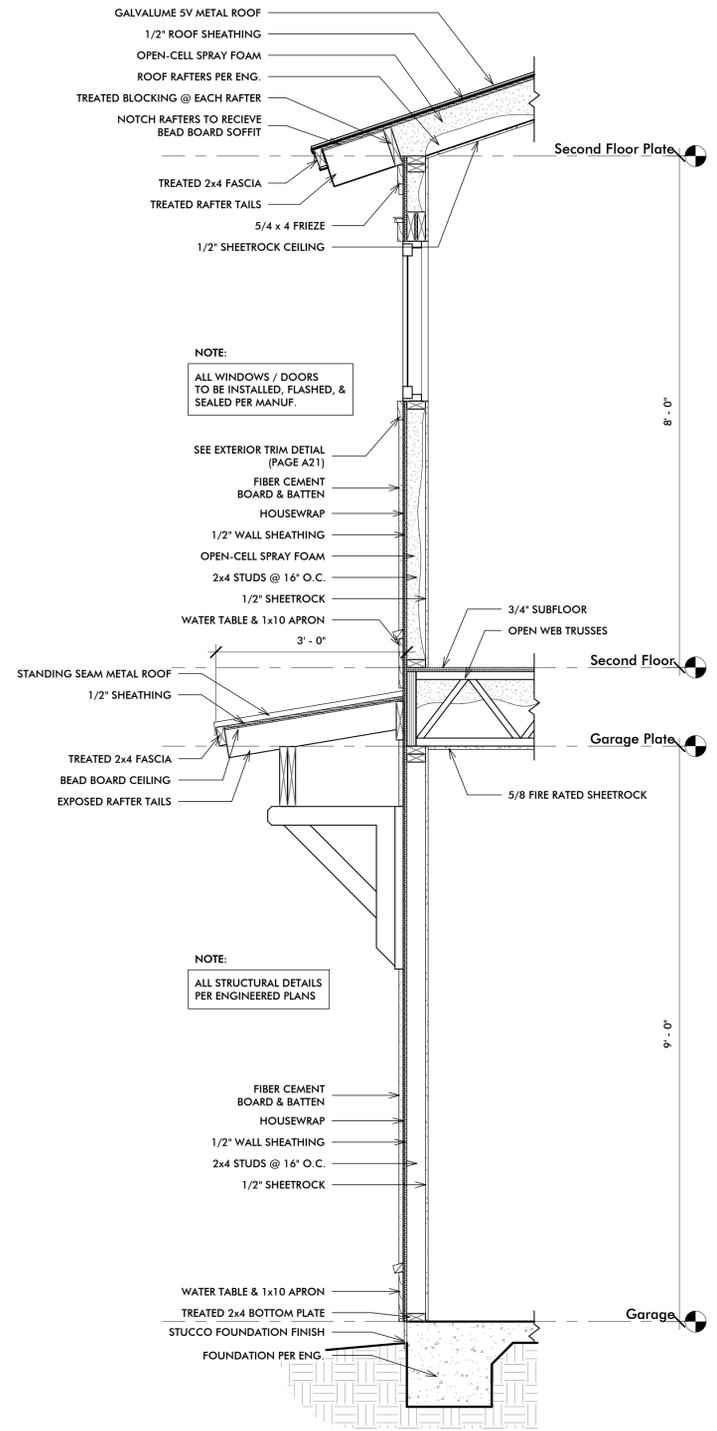
④ **Porch Section - Callout 1**
3/4" = 1'-0"



① **Typ. House Section - Flat Ceiling**
3/4" = 1'-0"



② **Typ. House Section - Vaulted Ceiling**
3/4" = 1'-0"



③ **Typ. Garage Section**
3/4" = 1'-0"

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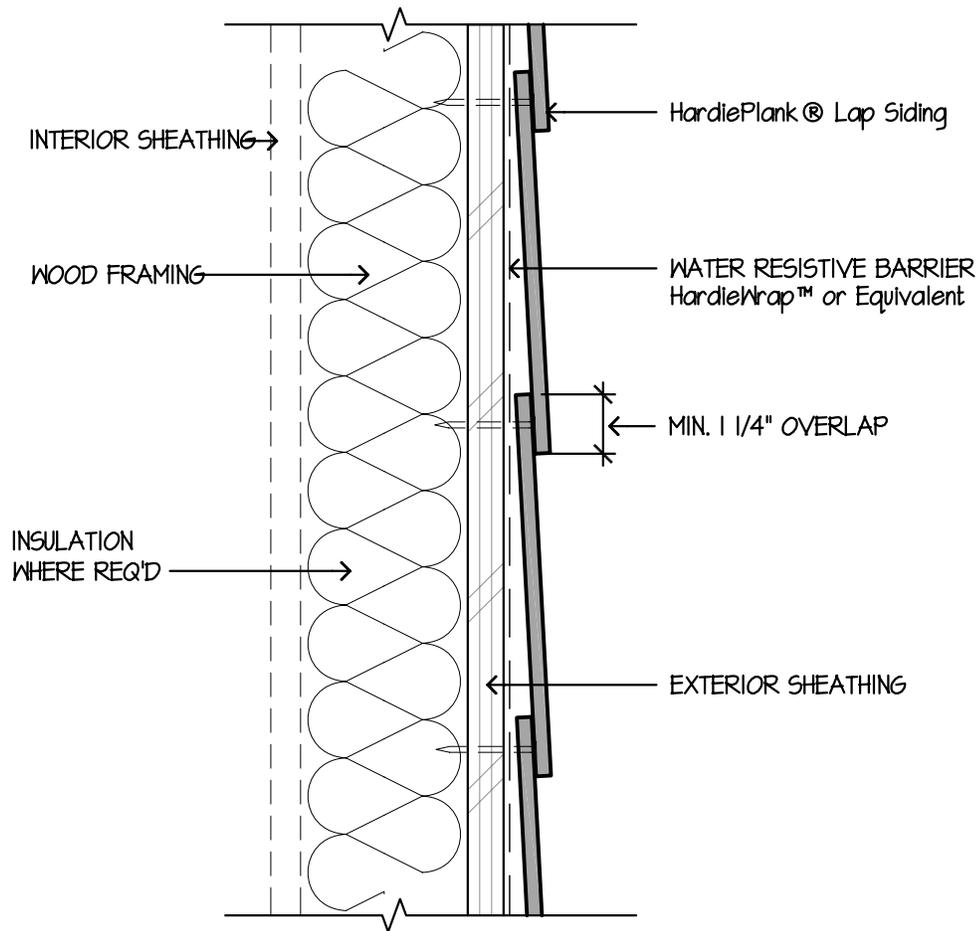


2 ct

LW913001-012021







HORIZONTAL LAP VIEW

These drawings are published as an information guide only. These CAD drawings are intended as templates to assist the designer. They do not contain the full details required for construction and must be read in conjunction with the installation instructions on www.jameshardie.com. You should obtain architectural, engineering or other technical advice to assess the suitability of these drawings to the requirements of your particular project. James Hardie accepts no liability in respect to the use o

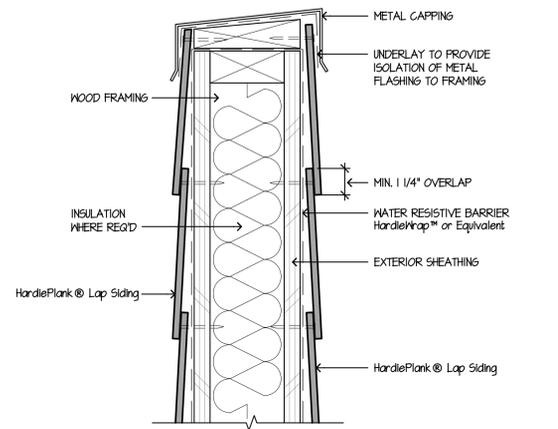
DETAIL:

HardiePlank® Lap Siding Details

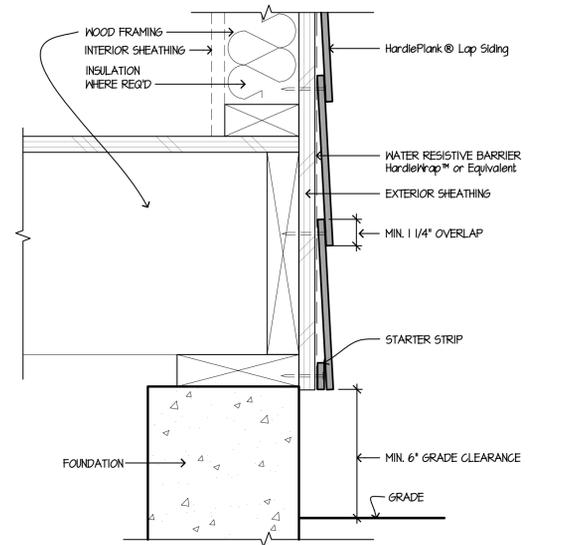
- Wood Framing
- OSB or Plywood Sheathing
- Shown with Siding Nails Blind Fastened into Framing

1.05

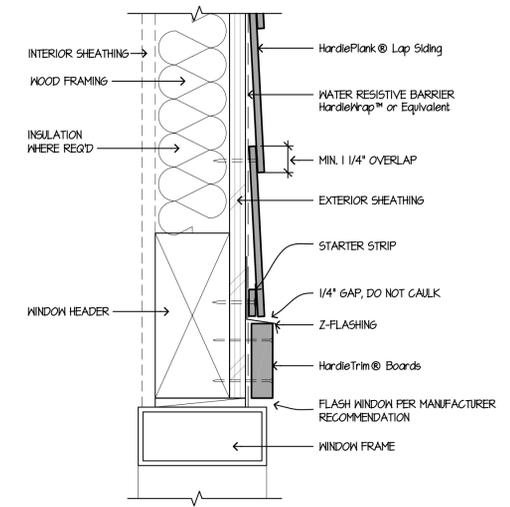




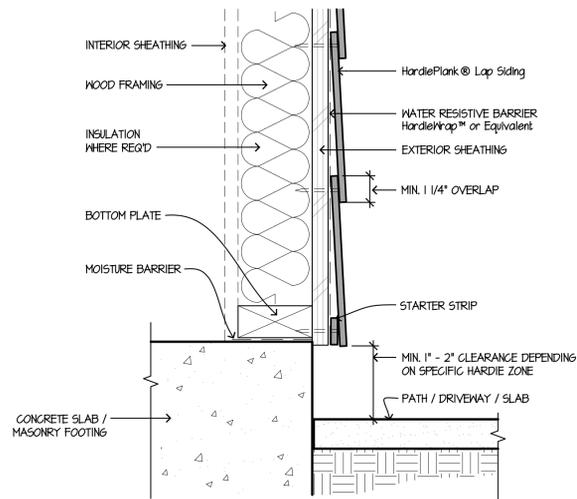
9 PARAPET SCALE: 3/4\"/>



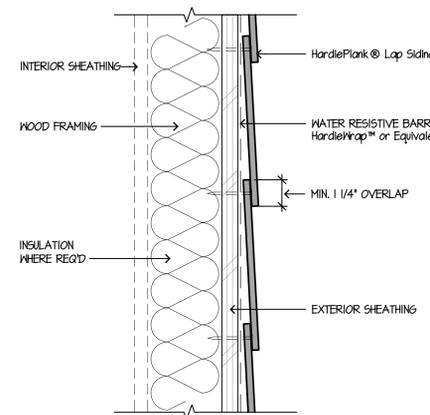
6 GRADE CLEARANCE SCALE: 3/4\"/>



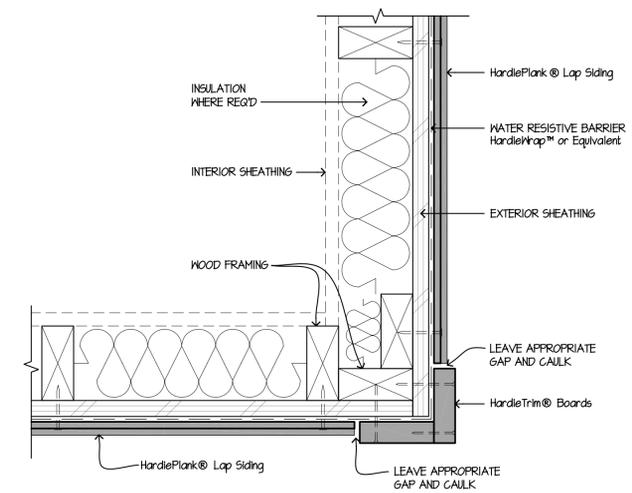
3 WINDOW/DOOR HEAD SCALE: 3/4\"/>



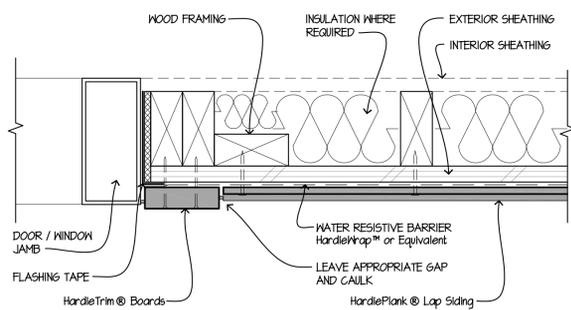
8 HARDSCAPE CLEARANCES, DECKS, PORCHES, PATIOS, WALKWAYS, ROOFS, ETC. SCALE: 1/2\"/>



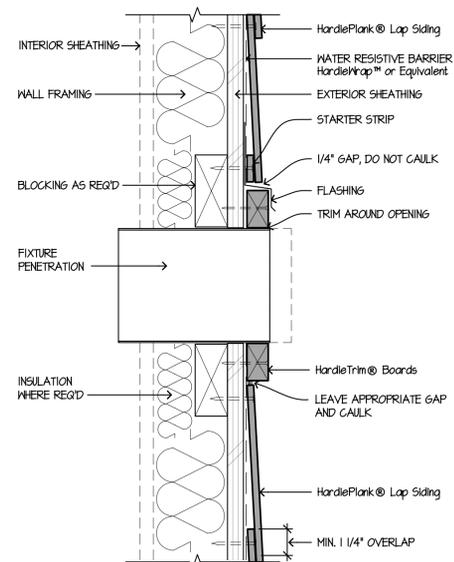
5 HORIZONTAL LAP VIEW SCALE: 3/4\"/>



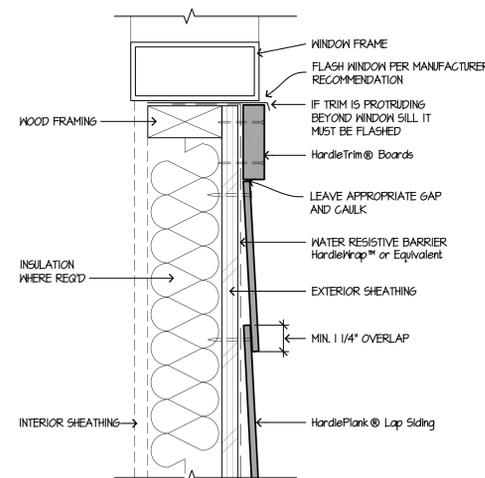
2 OUTSIDE CORNER SCALE: 3/4\"/>



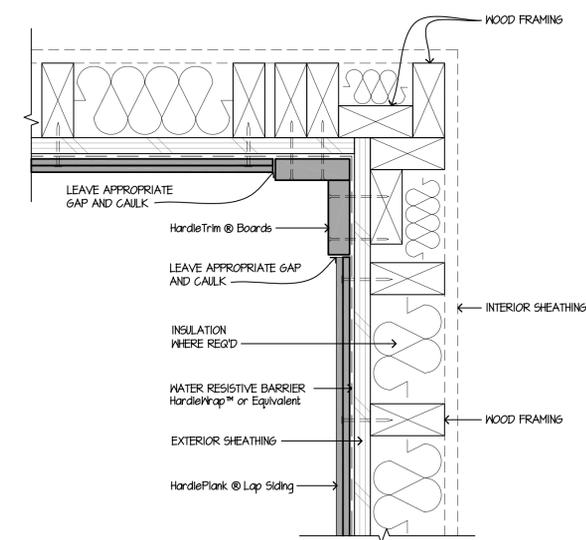
10 DOOR / WINDOW JAMB SCALE: 3/4\"/>



7 FIXTURE PENETRATION SCALE: 3/4\"/>



4 WINDOW SILL SCALE: 3/4\"/>



1 INSIDE CORNER SCALE: 3/4\"/>

These drawings are published as an information guide only. These CAD drawings are intended as templates to assist the designer. They do not contain the full details required for construction and must be read in conjunction with the installation instructions on www.jameshardie.com. You should obtain architectural, engineering or other technical advice to assess the suitability of these drawings to the requirements of your particular project. James Hardie accepts no liability in respect to the use of these drawings. For faster specifications and complete installation instructions refer to appropriate documentation at www.jameshardie.com



HardiePlank® Lap Siding Details

- Wood Framing
- OSB or Plywood Sheathing
- Shown with Siding Nails Blind Fastened into Framing

DRAWN	JamesHardie
CHECKED	JH
DATE	March 1, 2010
SCALE	AS NOTED
JOB NO.	-
SHEET	-

PLANK-1
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overheaddoor.com

Overhead Do... WindStorm™... Things Worth... Niall Ferguso... Victor Davis... (18) Elon Mu...

Close X



100 SERIES



**A MODERN LOOK
THAT'S EASY ON THE BUDGET.**

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For warranty information, visit andersenwindows.com/warranty.



Andersen Corporation, including its subsidiaries, has been named a 2021 ENERGY STAR Partner of the Year – Sustained Excellence Award winner, the highest honor given by ENERGY STAR, for continued leadership in protecting the environment through superior energy efficiency achievements.

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

AMERICA'S MOST LOVED BRAND OF WINDOWS & DOORS.*

You want to give your customers a home they love, and we're here to make that easy for you. That's why we're proud to offer you products that rate #1 in quality and performance,† and to be the #1 trusted and recommended window and door brand** by pros.

100 SERIES PRODUCTS

The best way to give your customers a modern look that's within budget and lasts!‡ The 100 Series product line is made from our proprietary Fibrex® material that's energy efficient, environmentally responsible and stronger than vinyl.

*2020 Andersen brand surveys of U.S. realtors, contractors and builders.

**2020 Andersen brand surveys of U.S. contractors, builders and architects. †See the limited warranty for details.

PERFORMANCE

100 Series products simply perform like modern windows and doors should. They're made from our proprietary Fibrex® material, which is extremely low maintenance and blocks thermal transfer 700 times better than aluminum to help your customers save money on heating and cooling costs.

ATTRACTIVE CORNER SEAMS

Low-visibility corner seams for a cleaner and more modern look.

COLORS THAT LAST

Durable factory-finished interiors and exteriors never need painting and won't fade, flake, blister or peel,* even in extreme cold or heat.

ATTRACTIVE MATTE INTERIORS

Premium matte finish isn't shiny like vinyl and is available in white, Sandtone, dark bronze and black.**

ENERGY EFFICIENT IN EVERY CLIMATE

Energy-efficient 100 Series products are available with options that make them ENERGY STAR® certified throughout the U.S. so they can help reduce heating and cooling bills.

Visit andersenwindows.com/energystar for more information and to verify that the product with your glass option is certified in your area.



EASY TO OPERATE FOR YEARS TO COME

All 100 Series products are tested to the extreme to deliver years* of smooth, reliable operation.

SUPERIOR WEATHER RESISTANCE

Our weather-resistant construction seals out drafts, wind and water so well that your reputation is protected whatever the weather.

QUALITY SO SOLID, THE WARRANTY IS TRANSFERABLE*

Many other window and door warranties end when a home is sold, but our coverage — 20 years on glass, 10 years on non-glass parts — transfers from each owner to the next. And because it's not prorated, the coverage offers full benefits year after year, owner after owner. So it can add real value when you decide to sell your home.

**OWNER2OWNER®
LIMITED WARRANTY**

DESIGNED FOR PERFORMANCE

100 Series products are designed to meet or exceed performance requirements in all 50 states† See pages 103-104 for details.



*Visit andersenwindows.com/warranty for details.

**Products with Sandtone, dark bronze and black interiors have matching exteriors.

†See your local code official for code requirements in your area.

††100SHS4066 DPUP IG +50/50 (AAMA/WDMA/CSA 101/1.5.2/A440-08 & -11). Optional PG50 performance grade upgrade is available for most sizes. For more information, visit andersenwindows.com/100series.

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

DURABILITY

Think vinyl, only stronger. The proprietary Fibrex® material in our 100 Series products has all the benefits of vinyl while holding up better to weather and wear. This way, your customers' windows and doors are better protected from warping and cracking, even in tough climates.*



The finish on 100 Series products has superior scratch resistance compared to painted vinyl windows** so they'll look beautiful for years to come.



Fibrex material retains its stability and rigidity in all climates, delivering exceptional durability. It makes our 100 Series products rigid and strong so the weathertight seals stay weathertight.



100 Series products can withstand temperatures up to 150°F, even for dark colors, meaning they won't warp due to sun exposure.

*See the limited warranty for details.

**When 100 Series products were tested against five leading competitors' painted vinyl window products.



FIBREX® MATERIAL

Developed by Andersen, Fibrex material is a revolutionary structural composite material that blends the very best attributes of vinyl and wood. Fibrex material saves on natural resources because it's composed of 40% reclaimed wood fiber by weight. Special polymer formulations surround and fill each wood fiber, enabling top performance. The result is a material that provides uncommon value and enhances the quality of any project. In use for over two decades in Andersen® products, Fibrex material has proven its strength and durability in all types of climates.

REVOLUTIONARY BUILDING MATERIAL

- Twice as strong as vinyl so weathertight seals stay weathertight
- Blocks thermal transfer nearly 700 times better than aluminum to help reduce heating and cooling bills
- Retains its stability and rigidity in all climates for exceptional durability
- Offers superior scratch resistance compared to painted vinyl*

ENVIRONMENTALLY RESPONSIBLE

- Since Andersen developed the highly sustainable Fibrex material, reuse of waste wood fiber has prevented the harvesting of nearly 90 million board feet of timber
- 100 Series products can help builders earn LEED® points in three key categories: Energy & Atmosphere, Materials & Resources and Indoor Environmental Quality
- 100 Series products meet or exceed California Section 01350 Specification, a California indoor emission standard — one of the toughest in the country
- Like all Andersen products, 100 Series products are designed to last** and help reduce future waste streams



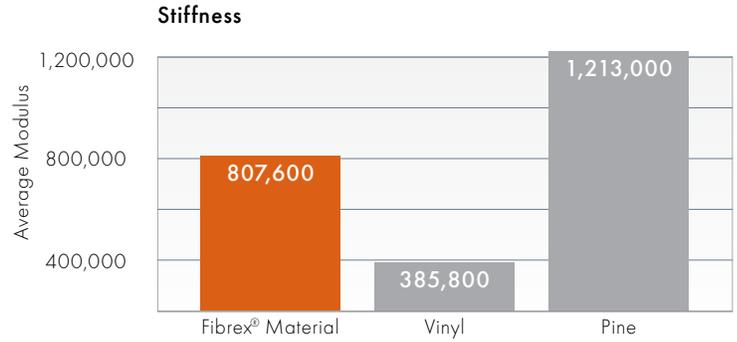
See how Andersen created Fibrex material at andersenwindows.com/fibrex.

*Visit andersenwindows.com/warranty for details.

**When tested against five leading competitors' painted vinyl window products.

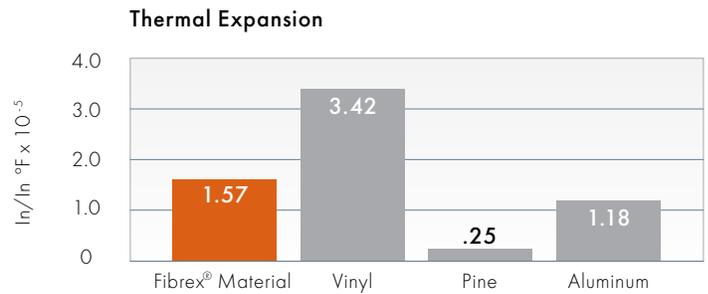
STABLE & PREDICTABLE

Fibrex® material is twice as stiff as vinyl. This strength makes it a better choice over time.



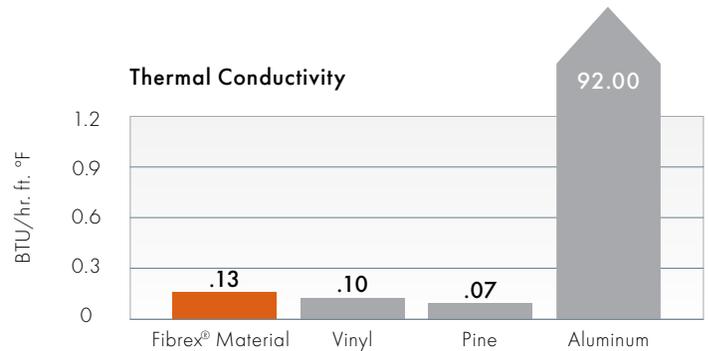
DURABLE & RELIABLE

All materials expand and contract when exposed to extreme temperatures. In these types of conditions, Fibrex material performs twice as well as vinyl, which can bow and crack over time.



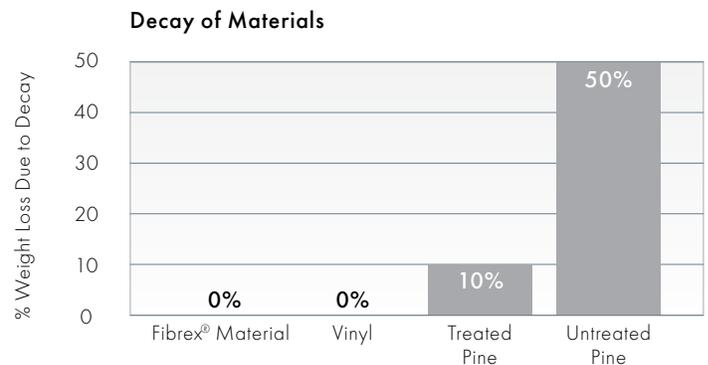
EXCELLENT INSULATOR

The built-in thermal qualities of Fibrex material mean that less heat and cold get transferred through the product into your customers' homes. As an insulator, it's on par with vinyl and far superior to aluminum.



MOISTURE RESISTANT

Because Fibrex material combines wood fiber and a special polymer formula, water has a tough time penetrating. The result is an increased resistance to rot.



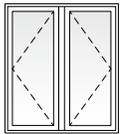
HEAT RESISTANT

Fibrex material can withstand temperatures in excess of 150°F, even for dark colors, making it a great fit for your projects in hot climates.

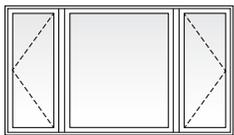
WINDOW & DOOR TYPES

CASEMENT & AWNING WINDOWS

Casement windows are hinged on the side and open outward to the left or right, while awning windows are hinged at the top and open outward. Both are also available as non-operating stationary windows.



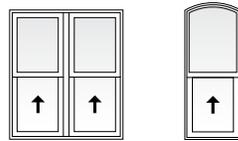
Twin Casement



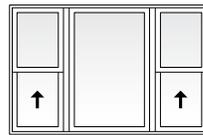
Picture With Flanking Casements

SINGLE-HUNG WINDOWS

Single-hung windows feature a fixed upper sash with an operable lower sash that slides up and down. For convenience, the hardware locks automatically when the window is closed. An arch single-hung is also available to add architectural interest.



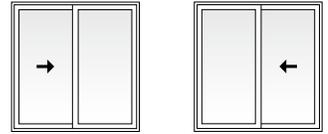
Twin Single-Hung Arch Single-Hung



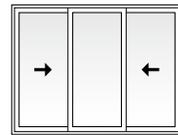
Picture With Flanking Single-Hungs

GLIDING WINDOWS

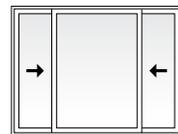
Gliding windows have one stationary sash and one operating sash that glides horizontally. A three-sash configuration, where two sash glide past a fixed center sash, is also available.



Gliding Active-Stationary Gliding Stationary-Active



Gliding Active-Stationary-Active, 1:1:1 Sash Ratio



Gliding Active-Stationary-Active, 1:2:1 Sash Ratio



Available in custom sizes to fit all projects.

PICTURE, TRANSOM & SPECIALTY WINDOWS

Choose from a variety of shapes to make a signature statement or provide a delicate lighting accent. Shapes include picture, transom, half circle, quarter circle, circle, Springline™ and arch windows. Custom shapes are also available, including unequal leg arch, trapezoid, pentagon, octagon and triangle windows.



GLIDING PATIO DOORS

Patio doors feature one stationary panel and one operating panel that glides smoothly on adjustable rollers. They feature a multi-point locking system for enhanced security and an optional exterior keyed lock for convenience. Sidelights and transoms are also available.

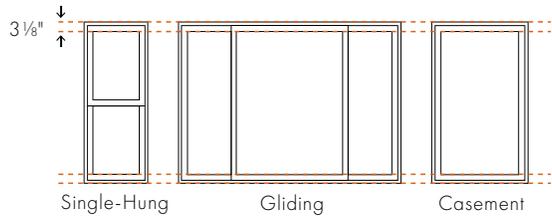


A man in a dark t-shirt is seen from the side, looking out a large window. The window is open, and the view outside shows a house with a gabled roof and some greenery. The text "FIBREX® MATERIAL" is overlaid in large, bold, black letters, with "STRONG ON PERFORMANCE." in smaller, bold, black letters below it.

FIBREX® MATERIAL
STRONG ON PERFORMANCE.

NEW CONSTRUCTION

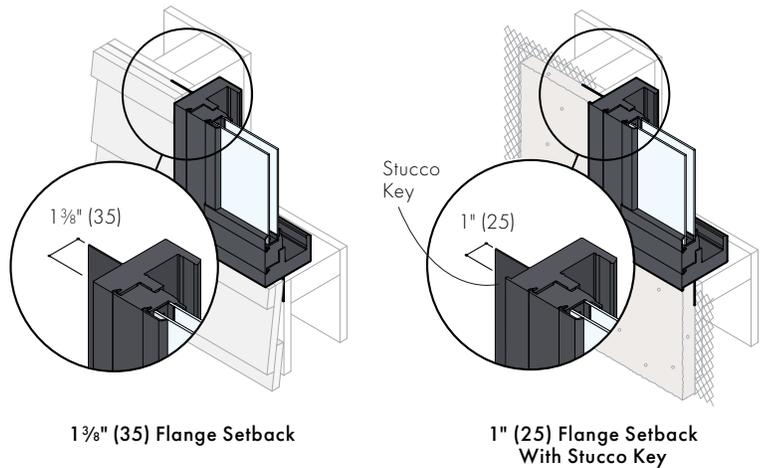
You'll find a 100 Series window or door to match any project from commercial to residential — no matter the location. And with uniform sight lines, it's easy to specify 100 Series products for the entire project.



- 3 1/8" (79) uniform sight lines allow for easy specification.
- An extension jamb attachment flange is available for easy application of extension jambs on the job site.
- Single-hung drywall pass-through windows have an upper sash that can be easily removed on the job site after the window is installed. With both sash removed, drywall can easily fit through upper floor windows.

FRAME TYPES: 1 3/8" Flange Setback or 1" Flange Setback With Stucco Key

For new construction, both frames have an integral installation flange that makes installation into a new opening easy and helps make sure the windows and doors are weathertight. For stucco exteriors, choose the frame with the stucco key to eliminate gaps that can result from the natural contraction of exterior stucco.

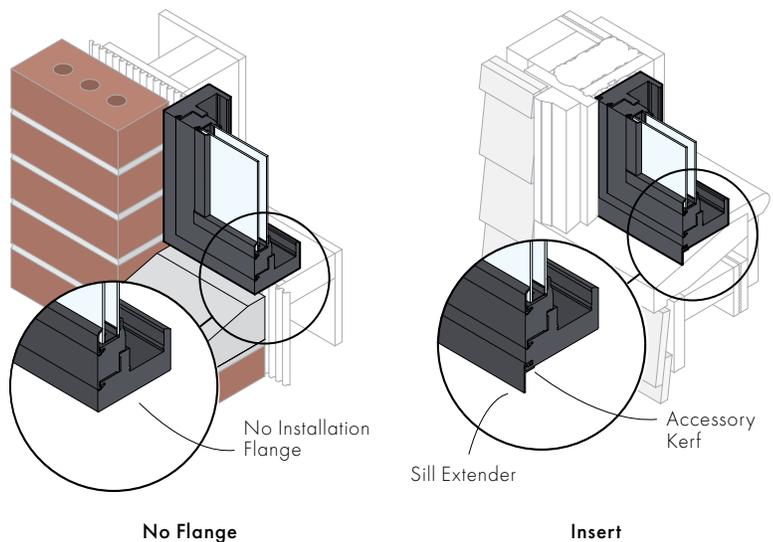


REMODELING & REPLACEMENT

Whether you're adding or updating, Andersen® 100 Series windows and patio doors enhance any project with a variety of styles, shapes and colors, with custom sizing in 1/8" (3) increments. The no-flange frame options include pre-drilled, through-the-jamb installation holes and installation screws to save you time.

FRAME TYPES: No Flange or Insert

The no flange frame allows for full removal of an existing window in situations where the frame is rotten or damaged. The no flange window is then installed into the existing rough opening. The insert frame provides fast and easy window replacement when installing the window into an existing window frame without disturbing the interior or exterior trim, saving time and money. The exterior accessory kerf allows for convenient finishing of the window. An exterior sill extender is available to fill the gap at the sill. Exterior frame extenders and a head expander are also available.



EXTERIOR & INTERIOR COLORS

100 Series windows and patio doors come in five exterior colors, including dark bronze and black – colors that are darker and richer than those of most vinyl windows. The interiors feature a premium matte finish for an attractive appearance.

EXTERIOR COLORS



White

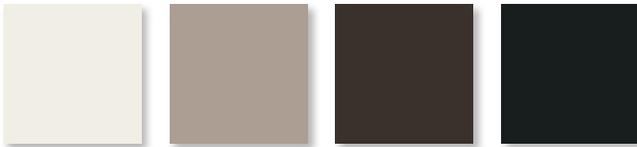
Sandtone

Terratone

Dark Bronze

Black

INTERIOR COLORS



White

Sandtone*

Dark Bronze*

Black*

*Products with Sandtone, dark bronze and black interiors have matching exteriors. Printing limitations prevent exact duplication of colors. See your Andersen supplier for actual color samples.





HARDWARE

Casement & Awning Windows



Antique Brass | Black | Dark Bronze
Sandtone | Satin Nickel | White

Folding handles avoid interference with window treatments.

Single-Hung & Gliding Windows



Standard Lock



Optional Lift/Pull

Hardware color matches the window's interior color. Shown in white.



Optional Metal Slim Line Lock

Antique Brass | Black | **Dark Bronze**
Sandtone | Satin Nickel | White

Both lock styles automatically engage when window is closed.

Bold name denotes finish shown.

Gliding Patio Doors



Standard Handle

TULSA

Exterior handle matches the door's exterior color. Interior handle matches the door's interior color. Dark bronze exterior and white interior shown.

Optional Handle

AFTON

Antique Brass | Black
Bright Brass | **Satin Nickel**

Optional auxiliary foot lock is available to secure the gliding panel and provides an extra measure of security when the door is in a locked position. See page 92.

Bold name denotes finish shown.

GLASS OPTIONS

Andersen has the glass you need to get the performance you want, with options for every climate, project and customer. Check with your supplier for the selections that meet ENERGY STAR® requirements in your area.

GLASS		ENERGY		LIGHT	
		U-Factor How well a product prevents heat from escaping.	Solar Heat Gain Coefficient How well a product blocks heat caused by sunlight.	Visible Light Transmittance How much visible light comes through a product.	UV Protection How well a product blocks ultraviolet rays.
SmartSun™	Thermal control similar to tinted glass, with visible light transmittance similar to Low-E glass.	● ● ● ○	● ● ● ●	● ● ● ○	● ● ● ●
SmartSun with HeatLock® Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-Factor values.	● ● ● ●	● ● ● ●	● ● ○ ○	● ● ● ●
Low-E	Outstanding overall performance for climates where both heating and cooling costs are a concern.	● ● ● ○	● ● ● ○	● ● ● ○	● ● ● ○
Low-E with HeatLock Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-Factor values.	● ● ● ●	● ● ● ○	● ● ● ○	● ● ● ○
Sun	Outstanding thermal control in southern climates where less solar heat gain is desired.	● ● ● ○	● ● ● ●	● ○ ○ ○	● ● ● ○
PassiveSun®	Ideal for northern, passive solar construction applications where solar heat gain is desired.	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
PassiveSun with HeatLock Coating	Applied to the room-side surface, it reflects heat back into the home and improves U-Factor values.	● ● ● ○	● ○ ○ ○	● ● ● ○	● ● ● ○
Clear Dual-Pane	High visibility with basic thermal performance.	● ○ ○ ○	○ ○ ○ ○	● ● ● ●	○ ○ ○ ○

Center of glass performance only. Ratings based on glass options as of January 2022. Visit andersenwindows.com/energystar for ENERGY STAR map and NFRC total unit performance data.

HEATLOCK TECHNOLOGY

Applied to the room-side glass surface, HeatLock coating reflects heat back into the home for improved performance.

TIME-SAVING FILM

We protect our products during delivery and construction with translucent film on the glass that peels away for a virtually spotless window.

For more details on our glass options, visit andersenwindows.com/glass.



ADDITIONAL GLASS OPTIONS

Tempered safety glass is standard on patio doors and required for larger window sizes.

Patterned glass lets in light while obscuring vision and adds a unique, decorative touch. Cascade and Reed patterns can be ordered with either a vertical or horizontal orientation.



GLASS SPACER OPTIONS

In addition to stainless steel glass spacers, black glass spacers are now available as a standard offering to provide another way to customize project designs and achieve a contemporary style. Black glass spacers blend in with the color of the window or door for a sleek design, or serve as a shadow line.

Add full divided light grilles, and the grille spacer bar between the glass will match the selected glass spacer color.



GRILLE OPTIONS

Grilles for Andersen® 100 Series windows and patio doors are available in a wide variety of patterns to complement virtually any style of home. Plus, they have options for easy cleaning and architectural authenticity many vinyl windows can't match.



Finelight grilles-between-the-glass



Finelight grilles-between-the-glass with permanent exterior grilles



Permanent exterior and permanent interior grilles with spacer



Permanent exterior and permanent interior grilles with no spacer

FINELIGHT™ GRILLES BETWEEN-THE-GLASS

Make glass easy to clean and have an elegant, sculpted profile. Choose a two-sided color scheme to match both the interior and exterior of the window or patio door. Also available with exterior grilles to provide architectural style and detail.

FULL DIVIDED LIGHT

Permanently applied to the exterior and interior of the window, with a spacer between the glass.

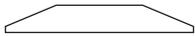
SIMULATED DIVIDED LIGHT

Permanently applied to the exterior and interior of the window, with no spacer between the glass.

Grille Bar Widths Actual width shown.



3/4" (19) width grille bar for windows.

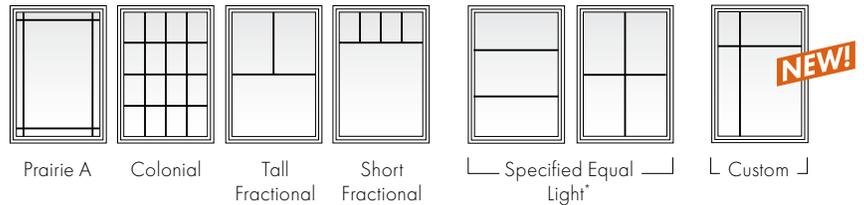


1" (25) width grille bar for patio doors.



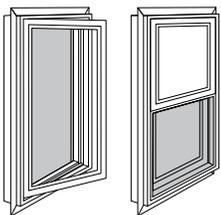
A 2 1/4" (57) width profile is available for most units to simulate a meeting rail or a multi-unit combination, such as a transom over a window or patio door.

Grille Patterns

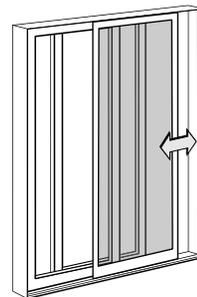


To see all of the standard patterns available for a specific window or door, refer to the detailed product sections in this product guide or contact your Andersen supplier.

INSECT SCREEN OPTIONS



Insect screens for venting windows have a fiberglass screen mesh. Optional TruScene® insect screens are made with a micro-fine stainless steel mesh, providing 50% greater clarity than our conventional insect screens. Insect screen frames for casement and awning windows are color matched to the product interior and for single-hung and gliding windows are matched to the product exterior.



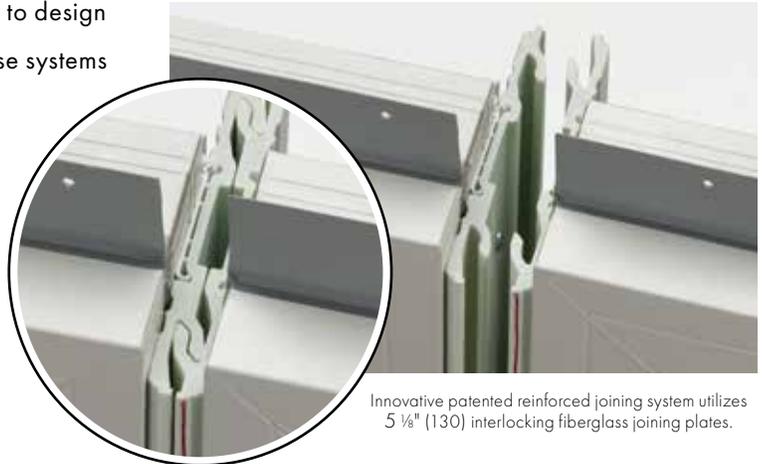
Gliding insect screens for 2-panel gliding patio doors have a fiberglass screen mesh. Insect screen frames for doors are color matched to the product exterior.

*Specify number of same-size rectangles across or down. Dimensions in parentheses are in millimeters.

AN EASIER WAY TO BUILD BIGGER VIEWS

Our unique reinforced joining systems make it easier for you to design and install large window combinations in your projects. These systems use strong, fiberglass construction and can be joined at our factory, on the job site, or even within a rough opening — wherever works best for you. This way you can easily and confidently build bigger views for your customers.

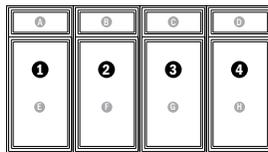
Non-reinforced joining options include factory-joined combinations or field joining kits. For more information, visit andersenwindows.com/joining.



Innovative patented reinforced joining system utilizes 5 1/8" (130) interlocking fiberglass joining plates.

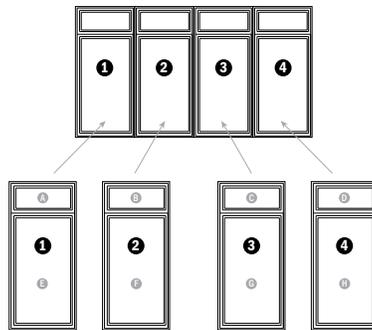
Reinforced Factory-Joined Combinations

Eliminate the need for job site assembly and receive fully joined, factory-assembled window combinations to fit rough openings up to 12' (3658) x 8' (2438) or 8' (2438) x 12' (3658).

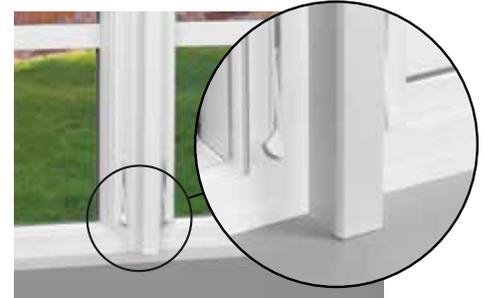


Reinforced Easy Connect Joining System

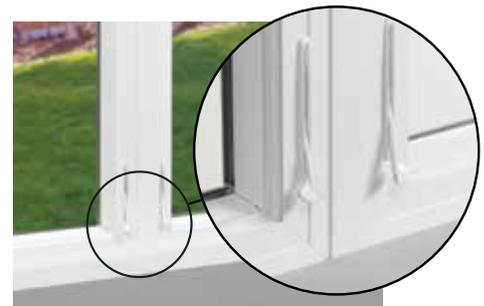
Receive lighter, easier-to-handle, pre-assembled smaller combinations that join as you install them into the rough opening, making it easier to install large combinations. In fact, most contractors surveyed said they could reduce the number of installers by 50% using the Andersen Easy Connect Joining System.*



Reinforced & Non-Reinforced Interiors



Appearance of a reinforced join.

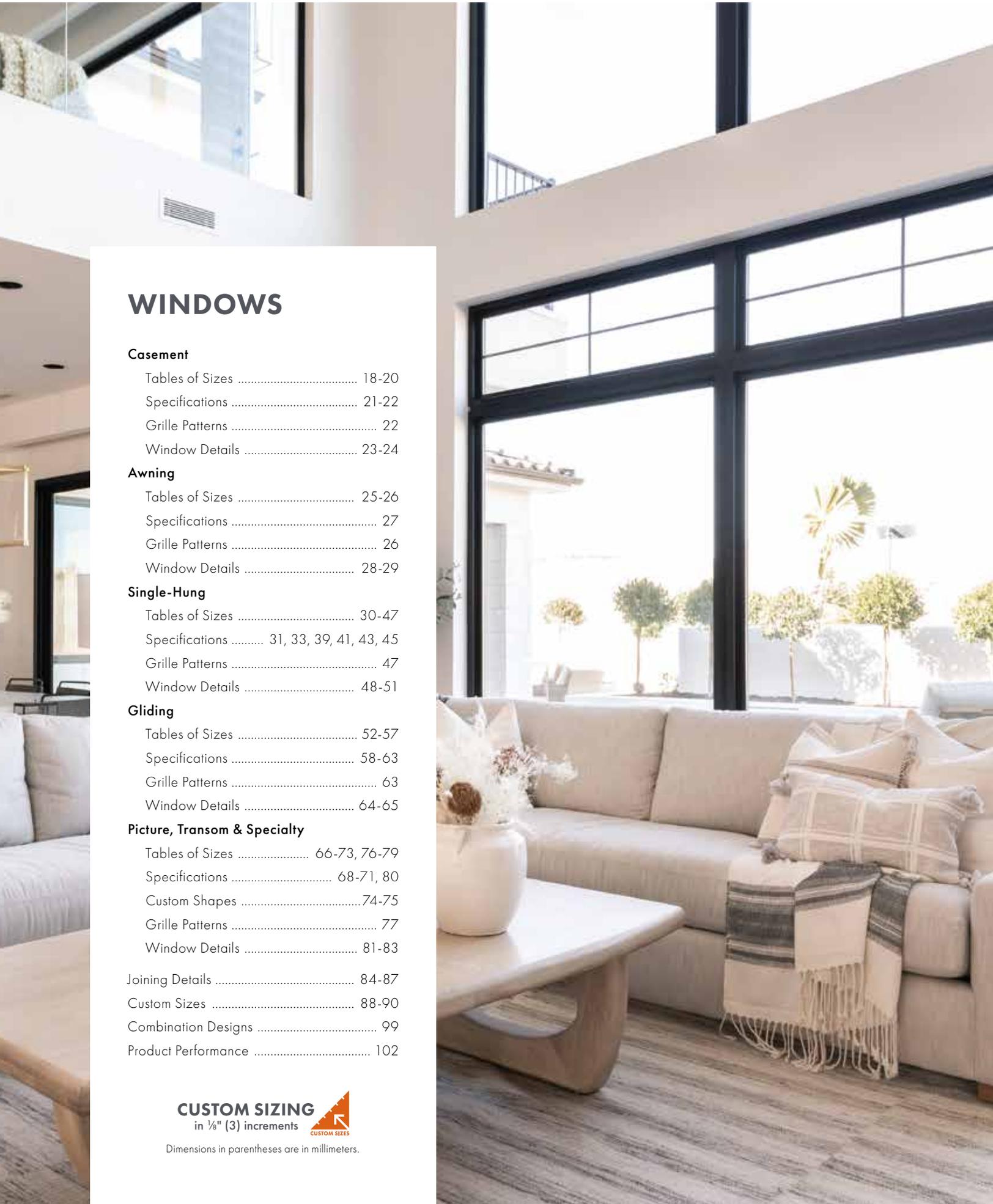


Appearance of a non-reinforced join.

	ASSEMBLY	READY TO INSTALL	NUMBER OF INSTALLERS*	HALLMARK CERTIFIED**	TESTED TO AAMA 450	PERFORMANCE	COMBINATION SIZE LIMITATIONS
REINFORCED FACTORY-JOINED COMBINATIONS	FACTORY	●	MORE	●	●	EXTENSIVE UNIT COMBINATION SIZE OPTIONS AVAILABLE CERTIFIED TO PG50**	MAX. JOIN LENGTH: 12' MAX. JOINED COMBINATION: 12' x 8' or 8' x 12' 96 sq. ft. or 8.92 m ²
REINFORCED JOINING KITS	JOB SITE		MORE	●	●	EXTENSIVE UNIT COMBINATION SIZE OPTIONS AVAILABLE CERTIFIED TO PG50**	MAX. JOIN LENGTH: 12' MAX. JOINED COMBINATION: 16' x 9' or 12' x 12' 144 sq. ft. or 13.34 m ²
REINFORCED FACTORY-PREPPED EASY CONNECT JOINING SYSTEM	IN THE OPENING	●	FEWER	●	●	EXTENSIVE UNIT COMBINATION SIZE OPTIONS AVAILABLE CERTIFIED TO PG50**	MAX. JOIN LENGTH: 12' MAX. JOINED COMBINATION HEIGHT: 16' NO MAXIMUM WIDTH
NON-REINFORCED FACTORY-JOINED COMBINATIONS	FACTORY	●	MORE	●	●	EXTENSIVE UNIT COMBINATION SIZE OPTIONS AVAILABLE CERTIFIED UP TO PG50**	MAX. JOIN LENGTH: 8' MAX. JOINED COMBINATION: 12' x 8' or 8' x 12' 96 sq. ft. or 8.92 m ²
NON-REINFORCED JOINING KITS	JOB SITE		MORE	●	●	EXTENSIVE UNIT COMBINATION SIZE OPTIONS AVAILABLE CERTIFIED UP TO PG50**	MAX. JOIN LENGTH: 8' MAX. JOINED COMBINATION: 12' x 8' or 8' x 12' 96 sq. ft. or 8.92 m ²

*69% of 156 builders/general contractors in a 2018 survey said they could reduce the number of installers by half using the Easy Connect Joining System when comparing the installation of a 12' (3658) wide x 8' (2438) high pre-assembled window combination unit with four 3' (914) wide x 8' (2438) high window combination units.

**When installed according to Andersen installation instructions. Dimensions in parentheses are in millimeters.



WINDOWS

Casement

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Awning

Tables of Sizes 25-26
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Single-Hung

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Picture, Transom & Specialty

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CUSTOM SIZING
 in 1/8" (3) increments 

Dimensions in parentheses are in millimeters.

FEATURES

CASEMENT & AWNING

FRAME

A The frame is constructed with Fibrex® composite material. This construction produces a rigid frame.

B Durable, low-maintenance finish won't fade, flake, blister or peel.

Concealed receiving brackets mounted on the hinge side of the frame keep the sash tightly secured within the window frame when closed.

C Four frame options are available. See "Common Features" for details.

SASH

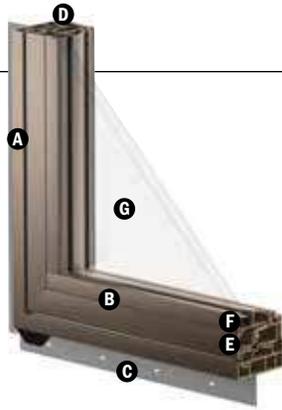
D Fibrex material construction provides long-lasting performance.* The sash, finished with a durable capping, provides maximum protection and a matte, low-maintenance finish.

E The dual weatherstrip system combines both an exterior watershed design and a bulb weatherstrip seal between the sash and frame. The result is a long-lasting, energy-efficient barrier against wind, water and dust.

GLASS

F A glazing bead and silicone provide superior weathertightness and durability.

G See "Common Features" for details.



HARDWARE

Sash operator provides almost effortless opening and closing, regardless of window size. Long-lasting stainless steel hinge channels are used at the head and sill to provide easy operation.

Single-Action Casement Lock

A single-action lock easily releases all concealed locking points on the casement sash. The color or finish of the lock hardware matches the handle.

Awning Sash Locks



Awning sash locks provide an added measure of security and weathertightness. Awning hardware style and color options are compatible with 100 Series casement windows to ensure a consistent appearance when used in combination designs.

SINGLE-HUNG

FRAME

A The frame is constructed with Fibrex composite material. This construction produces a rigid frame.

B A durable, side-loaded balancer provides for easy sash opening and closing. The lower sash can be removed without the use of tools.

C Durable, low-maintenance finish won't fade, flake, blister or peel.

D Four frame options are available. See "Common Features" for details.

E Weep holes are located on the exterior nose of the sill for proper water management.

SASH

The lower sash has a meeting rail cover with a unique raised profile design, allowing the sash to be opened and closed easily.

F Fibrex material construction provides long-lasting performance.* The sash, finished with a durable capping, provides maximum protection and a matte, low-maintenance finish.

G Dual felt weatherstrip provides a long-lasting, energy-efficient barrier against wind, water and dust.



GLASS

H A glazing bead and silicone provide superior weathertightness and durability.

I See "Common Features" for details.

HARDWARE

Sash Lock

The sash lock engages automatically when the lower sash is closed. The standard sash lock matches the window's interior color.

ADDITIONAL SASH & SHAPE OPTIONS



Reverse Cottage Sash



Arch Single-Hung

COMMON FEATURES

FRAME

Four frame options include:

- 1 3/8" (35) flange setback for siding applications. An integral rigid vinyl flange helps seal the unit to the structure.
- 1" (25) flange setback with stucco key. An integral rigid vinyl flange helps seal the unit to the structure.
- No-flange option for window replacement in an existing framed opening.
- Insert option for window replacement in an existing window frame.

*Visit andersenwindows.com/warranty for details.

**Products with Sandtone, dark bronze and black interiors have matching exteriors. Dimensions in parentheses are in millimeters. Printing limitations prevent exact duplications of colors. See your Andersen supplier for actual color samples.

GLASS

High-Performance options include:

- Low-E SmartSun™ glass
- Low-E SmartSun HeatLock® glass
- Low-E glass
- Low-E HeatLock glass
- Low-E Sun glass
- Low-E PassiveSun® glass
- Low-E PassiveSun HeatLock glass
- Clear Dual-Pane glass

Tempered laminated and other glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction, and simplifies finishing at the job site.

Patterned Glass

Patterned glass options are available. See page 12 for more details.

Glass Spacers



Black glass spacer

Glass spacers are now available in black, in addition to stainless steel, to provide more ways to customize project designs and achieve a contemporary look. (E-Series window is shown above.)

Performance Grade (PG) Upgrades

Optional performance grade upgrades are available for select sizes allowing units to achieve PG50. Performance Grade (PG) ratings are more comprehensive than Design Pressure (DP) ratings for measuring product performance. Choosing the PG50 upgrade doesn't change the appearance of the unit.

COLOR OPTIONS

EXTERIOR COLORS



White



Sandtone



Terratone



Dark Bronze



Black

INTERIOR COLORS



White



Sandtone**



Dark Bronze**



Black**

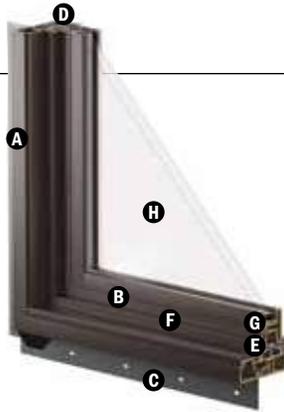
GLIDING

FRAME

- A** The frame is constructed with Fibrex® composite material. This construction produces a rigid frame.
- B** Durable, low-maintenance finish won't fade, flake, blister or peel.*
- C** Four frame options are available. See "Common Features" for details.

SASH

- The operating sash has a meeting stile cover with a unique raised profile design, allowing the sash to be opened and closed easily.
- D** Fibrex material construction provides long-lasting performance.* The sash, finished with a durable capping, provides maximum protection and a matte, low-maintenance finish.
 - E** Dual felt weatherstrip provides a long-lasting,* energy-efficient barrier against wind, water and dust.
 - F** Operating sash has four metal rollers mounted at the bottom for easy, smooth travel over the sill.



GLASS

- G** A glazing bead and silicone provide superior weathertightness and durability.
- H** See "Common Features" for details.

HARDWARE

Sash Lock

The sash lock engages automatically when the operable sash is closed. The standard sash lock matches the window's interior color.

PICTURE, TRANSOM & SPECIALTY

FRAME

- A** The frame is constructed with Fibrex composite material. This construction produces a rigid frame.
- B** Durable, low-maintenance finish won't fade, flake, blister or peel.*
- C** Four frame options are available. See "Common Features" for details.

GLASS

- D** A glazing bead and silicone provide superior weathertightness and durability.
- E** See "Common Features" for details.

SHAPES

Along with rectangular windows, half circle, quarter circle, circle, Springline™ and arch windows are available in both standard and custom sizes. Custom windows are also available in unequal leg arch, trapezoid, pentagon, octagon and triangle shapes.



HARDWARE

Casement & Awning



Antique Brass | Black
Dark Bronze | Sandtone
Satin Nickel | White

Folding handles avoid interference with window treatments.

Single-Hung & Gliding



Standard Lock Optional Lift/Pull
Hardware color matches the window's interior color.



Optional Slim Line Metal Lock
Antique Brass | Black | **Dark Bronze**
Sandtone | Satin Nickel | White

Bold name denotes color or finish shown.

HARDWARE FINISHES



Antique Brass Black Dark Bronze Sandtone Satin Nickel White

ACCESSORIES Sold Separately

HARDWARE

Window Opening Control Device

A window opening control device is available for casement, single-hung and gliding windows, which limits sash travel to less than 4" (102) when the window is first opened. Available factory applied, or as a field-applied kit in stone, white and black.

Vent Limiter for Awning Windows

A vent limiter is available for awning windows, which prevents opening the sash more than 4" (102). Available factory applied or as a field-applied kit.

GRILLES

Grilles are available in a variety of configurations. See page 13 for details.

INSECT SCREENS

Conventional Insect Screens

Insect screens have charcoal gray fiberglass screen mesh. For casement and awning windows, frames are color matched to the product interior. For single-hung and gliding windows, stainless steel springs hold the insect screen tightly to the window frame, and their frames are available in colors to match the product exterior.

TruScene® Insect Screens

Andersen® TruScene insect screens let in over 25% more fresh air** and provide 50% greater clarity than conventional Andersen insect screens, all while keeping out unwanted small insects. For casement and awning windows, the frame color matches the product interior. For single-hung and gliding windows, the frame color matches the product exterior.

Dimensions in parentheses are in millimeters.

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

*Visit andersenwindows.com/warranty for details.

**TruScene insect screens let in over 25% more fresh air than standard Andersen fiberglass insect screens.

CASEMENT & AWNING WINDOWS

Table of Casement Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"
	(445)	(597)	(749)	(902)
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"
	(457)	(610)	(762)	(914)
Unobstructed Glass	11 1/4"	17 1/4"	23 1/4"	29 1/4"
	(286)	(438)	(591)	(743)

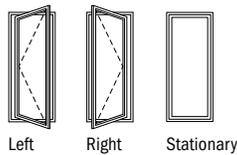


Window Dimension	CUSTOM WIDTHS – 17 1/2" to 35 1/2"			
	17 1/2"	20"	26"	30"
1'-11 1/2"	(597)	2'-0"	(610)	17 1/4"
2'-5 1/2"	(749)	2'-6"	(762)	23 1/4"
2'-11 1/2"	(902)	3'-0"	(914)	29 1/4"
3'-5 1/2"	(1054)	3'-6"	(1067)	35 1/4"
3'-11 1/2"	(1207)	4'-0"	(1219)	41 1/4"
4'-5 1/2"	(1359)	4'-6"	(1372)	47 1/4"
4'-11 1/2"	(1511)	5'-0"	(1524)	53 1/4"
5'-5 1/2"	(1664)	5'-6"	(1676)	59 1/4"
5'-11 1/2"	(1816)	6'-0"	(1829)	65 1/4"

CUSTOM HEIGHTS – 23 1/2" to 71 1/2"	CUSTOM WIDTHS – 17 1/2" to 35 1/2"			
	17 1/2"	20"	26"	30"
23 1/2"	1620	2020	2620	3020
25"	1626	2026	2626	3026
26 1/2"	1630	2030	2630	3030
28"	1636	2036	2636	3036 ^o
29 1/2"	1640	2040	2640 ^o	3040 ^o
31"	1646	2046	2646 ^o	3046 ^o
32 1/2"	1650	2050	2650 ^o	3050 ^o
34"	1656	2056	2656 ^o	3056 ^o
35 1/2"	1660	2060	2660 ^o	3060 ^o

Custom-size windows are available in 1/8" (3) increments.

See page 88 for custom sizes and specifications.



Choose left, right or stationary as viewed from the exterior. Right venting shown in table.

Details shown on pages 23-24.

Grille patterns shown on page 22.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on page 21.

Table of Twin Casement Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	4'-11 1/2" (1511)	5'-5 1/2" (1664)	5'-11 1/2" (1816)
Minimum Rough Opening	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)
Unobstructed Glass (width of single sash)	11 1/4" (286)	14 1/4" (362)	17 1/4" (438)	20 1/4" (514)	23 1/4" (591)	26 1/4" (667)	29 1/4" (743)
11 1/2" (292)							
1'-0" (305)							
1'-6" (405)							
1'-11 1/2" (445)							
1'-5 1/2" (457)							
1'-11 1/2" (597)							
2'-0" (610)							
17 1/4" (438)							
CUSTOM WIDTHS – 35 1/2" to 71 1/2"							
1'-11 1/2" (597)							
2'-5 1/2" (749)							
2'-0" (610)							
2'-11 1/2" (902)							
3'-0" (914)							
29 1/4" (743)							
3'-5 1/2" (1054)							
3'-6" (1067)							
35 1/4" (895)							
3'-11 1/2" (1207)							
4'-0" (1219)							
41 1/4" (1048)							
4'-5 1/2" (1359)							
4'-6" (1372)							
47 1/4" (1200)							
4'-11 1/2" (1511)							
5'-0" (1524)							
53 1/4" (1353)							
4'-5 1/2" (1359)							
4'-6" (1372)							
47 1/4" (1200)							
5'-5 1/2" (1664)							
5'-6" (1676)							
59 1/4" (1505)							
5'-11 1/2" (1816)							
6'-0" (1829)							
65 1/4" (1657)							



Custom-size windows are available in 1/8" (3) increments. See page 88 for custom sizes and specifications.

Choose left, right or stationary as viewed from the exterior. In addition to venting shown, other standard configurations are available. Windows have one continuous outer frame.

Twin transoms are also shown. See pages 70-71 for more information.

Details shown on pages 23-24. Grille patterns shown on page 22.

100 Series Casement & Awning Windows

*"Window Dimension" always refers to outside frame-to-frame dimension.
 **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 •Dimensions in parentheses are in millimeters.
 ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 21-22.

CASEMENT & AWNING WINDOWS

Table of Sizes - Picture Window With Flanking Casements

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	5'-11 1/2" (1816)	7'-11 1/2" (2426)	9'-11 1/2" (3035)	11'-11 1/2" (3645)
Minimum Rough Opening	6'-0" (1829)	8'-0" (2438)	10'-0" (3048)	12'-0" (3658)
Unobstructed Glass (width of center sash)	29 1/4" (743)	41 1/4" (1048)	53 1/4" (1353)	65 1/4" (1657)
Unobstructed Glass (width of single flanking sash)	11 1/4" (286)	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)

11 1/2" (292)	1'-0" (305)	5 1/4" (133)				
16-3010-16	20-4010-20	26-5010-26	30-6010-30			
1'-5 1/2" (445)	1'-6" (457)	11 1/4" (286)				
16-3016-16	20-4016-20	26-5016-26	30-6016-30			
1'-11 1/2" (597)	2'-0" (610)	17 1/4" (438)				
16-3020-16	20-4020-20	26-5020-26	30-6020-30			
1'-11 1/2" (597)	2'-0" (610)	17 1/4" (438)				
16-3020-16	20-4020-20	26-5020-26	30-6020-30			
2'-5 1/2" (749)	2'-6" (762)	23 1/4" (591)				
16-3026-16	20-4026-20	26-5026-26	30-6026-30			
2'-11 1/2" (902)	3'-0" (914)	29 1/4" (743)				
16-3030-16	20-4030-20	26-5030-26	30-6030-30			
3'-5 1/2" (1054)	3'-6" (1067)	35 1/4" (895)				
16-3036-16	20-4036-20	26-5036-26	30-6036-30°			
3'-11 1/2" (1207)	4'-0" (1219)	41 1/4" (1048)				
16-3040-16	20-4040-20	26-5040-26°	30-6040-30°			
4'-5 1/2" (1359)	4'-6" (1372)	47 1/4" (1200)				
16-3046-16	20-4046-20	26-5046-26°	30-6046-30°			
4'-11 1/2" (1511)	5'-0" (1524)	53 1/4" (1353)				
16-3050-16	20-4050-20	26-5050-26°	30-6050-30°			
5'-5 1/2" (1664)	5'-6" (1676)	59 1/4" (1505)				
16-3056-16	20-4056-20	26-5056-26°	30-6056-30°			
5'-11 1/2" (1816)	6'-0" (1829)	65 1/4" (1657)				
16-3060-16	20-4060-20	26-5060-26°	30-6060-30°			

Choose left, right or stationary as viewed from the exterior. In addition to venting shown, other standard configurations are available. Windows have one continuous outer frame.

Transoms are also shown. See pages 70-71 for more information.

Details shown on pages 23-24. Grille patterns shown on page 22.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Casement Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)	Hinge Type
		Width Inches/(mm)	Height Inches/(mm)					
1620	0.67 (0.06)	5 3/8" (137)	17 13/16" (452)	1.35 (0.13)	1.46 (0.14)	61 9/16" (1564)	2.86 (0.27)	wash mode
1626	0.89 (0.08)	5 3/8" (137)	23 13/16" (605)	1.82 (0.17)	1.95 (0.18)	55 9/16" (1411)	3.59 (0.33)	wash mode
1630	1.12 (0.10)	5 3/8" (137)	29 13/16" (757)	2.29 (0.21)	2.44 (0.23)	49 9/16" (1259)	4.31 (0.40)	wash mode
1636	1.34 (0.12)	5 3/8" (137)	35 13/16" (909)	2.75 (0.26)	2.94 (0.27)	43 9/16" (1106)	5.04 (0.47)	wash mode
1640	1.57 (0.15)	5 3/8" (137)	41 13/16" (1062)	3.22 (0.30)	3.43 (0.32)	37 9/16" (954)	5.77 (0.54)	wash mode
1646	1.79 (0.17)	5 3/8" (137)	47 13/16" (1214)	3.69 (0.34)	3.92 (0.36)	31 9/16" (802)	6.50 (0.60)	wash mode
1650	2.02 (0.19)	5 3/8" (137)	53 13/16" (1367)	4.16 (0.39)	4.41 (0.41)	25 9/16" (649)	7.23 (0.67)	wash mode
1656	2.24 (0.21)	5 3/8" (137)	59 13/16" (1519)	4.63 (0.43)	4.90 (0.46)	19 9/16" (497)	7.96 (0.74)	wash mode
1660	2.47 (0.23)	5 3/8" (137)	65 13/16" (1671)	5.10 (0.47)	5.40 (0.50)	13 9/16" (344)	8.69 (0.81)	wash mode
2020	1.41 (0.13)	11 3/8" (289)	17 13/16" (452)	2.07 (0.19)	2.20 (0.20)	61 9/16" (1564)	3.84 (0.36)	wash mode
2026	1.88 (0.18)	11 3/8" (289)	23 13/16" (605)	2.79 (0.26)	2.94 (0.27)	55 9/16" (1411)	4.81 (0.45)	wash mode
2030	2.36 (0.22)	11 3/8" (289)	29 13/16" (757)	3.50 (0.33)	3.69 (0.34)	49 9/16" (1259)	5.79 (0.54)	wash mode
2036	2.83 (0.26)	11 3/8" (289)	35 13/16" (909)	4.22 (0.39)	4.43 (0.41)	43 9/16" (1106)	6.77 (0.63)	wash mode
2040	3.31 (0.31)	11 3/8" (289)	41 13/16" (1062)	4.94 (0.46)	5.17 (0.48)	37 9/16" (954)	7.75 (0.72)	wash mode
2046	3.78 (0.35)	11 3/8" (289)	47 13/16" (1214)	5.66 (0.53)	5.91 (0.55)	31 9/16" (802)	8.73 (0.81)	wash mode
2050	4.26 (0.40)	11 3/8" (289)	53 13/16" (1367)	6.38 (0.59)	6.65 (0.62)	25 9/16" (649)	9.71 (0.90)	wash mode
2056	4.73 (0.44)	11 3/8" (289)	59 13/16" (1519)	7.10 (0.66)	7.40 (0.69)	19 9/16" (497)	10.69 (0.99)	wash mode
2060	5.21 (0.48)	11 3/8" (289)	65 13/16" (1671)	7.82 (0.73)	8.14 (0.76)	13 9/16" (344)	11.67 (1.08)	wash mode
2620	2.15 (0.20)	17 3/8" (442)	17 13/16" (452)	2.79 (0.26)	2.94 (0.27)	61 9/16" (1564)	4.81 (0.45)	wash mode
2626	2.88 (0.27)	17 3/8" (442)	23 13/16" (605)	3.75 (0.35)	3.94 (0.37)	55 9/16" (1411)	6.04 (0.56)	wash mode
2630	3.60 (0.33)	17 3/8" (442)	29 13/16" (757)	4.72 (0.44)	4.93 (0.46)	49 9/16" (1259)	7.27 (0.68)	wash mode
2636	4.33 (0.40)	17 3/8" (442)	35 13/16" (909)	5.69 (0.53)	5.92 (0.55)	43 9/16" (1106)	8.50 (0.79)	wash mode
2640 ◊	6.30 (0.59)	21 11/16" (551)	41 13/16" (1062)	6.66 (0.62)	6.91 (0.64)	37 9/16" (954)	9.73 (0.90)	widest clear opening
2646 ◊	7.21 (0.67)	21 11/16" (551)	47 13/16" (1214)	7.63 (0.71)	7.90 (0.73)	31 9/16" (802)	10.96 (1.02)	widest clear opening
2650 ◊	8.11 (0.75)	21 11/16" (551)	53 13/16" (1367)	8.60 (0.80)	8.90 (0.83)	25 9/16" (649)	12.19 (1.13)	widest clear opening
2656 ◊	9.02 (0.84)	21 11/16" (551)	59 13/16" (1519)	9.57 (0.89)	9.89 (0.92)	19 9/16" (497)	13.42 (1.25)	widest clear opening
2660 ◊	9.92 (0.92)	21 11/16" (551)	65 13/16" (1671)	10.54 (0.98)	10.88 (1.01)	13 9/16" (344)	14.65 (1.36)	widest clear opening
3020	2.89 (0.27)	23 3/8" (594)	17 13/16" (452)	3.50 (0.33)	3.69 (0.34)	61 9/16" (1564)	5.79 (0.54)	wash mode
3026	3.87 (0.36)	23 3/8" (594)	23 13/16" (605)	4.72 (0.44)	4.93 (0.46)	55 9/16" (1411)	7.27 (0.68)	wash mode
3030	4.84 (0.45)	23 3/8" (594)	29 13/16" (757)	5.94 (0.55)	6.17 (0.57)	49 9/16" (1259)	8.75 (0.81)	wash mode
3036 ◊	5.82 (0.54)	23 3/8" (594)	35 13/16" (909)	7.16 (0.67)	7.41 (0.69)	43 9/16" (1106)	10.23 (0.95)	wash mode
3040 ◊	6.79 (0.63)	23 3/8" (594)	41 13/16" (1062)	8.38 (0.78)	8.65 (0.80)	37 9/16" (954)	11.71 (1.09)	wash mode
3046 ◊	7.77 (0.72)	23 3/8" (594)	47 13/16" (1214)	9.60 (0.89)	9.90 (0.92)	31 9/16" (802)	13.19 (1.23)	wash mode
3050 ◊	8.74 (0.81)	23 3/8" (594)	53 13/16" (1367)	10.82 (1.00)	11.14 (1.03)	25 9/16" (649)	14.67 (1.36)	wash mode
3056 ◊	9.72 (0.90)	23 3/8" (594)	59 13/16" (1519)	12.04 (1.12)	12.38 (1.15)	19 9/16" (497)	16.15 (1.50)	wash mode
3060 ◊	10.69 (0.99)	23 3/8" (594)	65 13/16" (1671)	13.25 (1.23)	13.62 (1.27)	13 9/16" (344)	17.63 (1.64)	wash mode

*Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Twin Casement Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)	Hinge Type
		Width Inches/(mm)	Height Inches/(mm)					
1620-2	0.67 (0.06)	5 3/8" (137)	17 13/16" (452)	2.70 (0.25)	2.92 (0.27)	61 9/16" (1564)	5.79 (0.54)	wash mode
1626-2	0.89 (0.08)	5 3/8" (137)	23 13/16" (605)	3.63 (0.34)	3.90 (0.36)	55 9/16" (1411)	7.27 (0.68)	wash mode
1630-2	1.12 (0.10)	5 3/8" (137)	29 13/16" (757)	4.57 (0.42)	4.89 (0.45)	49 9/16" (1259)	8.75 (0.81)	wash mode
1636-2	1.34 (0.12)	5 3/8" (137)	35 13/16" (909)	5.51 (0.51)	5.87 (0.55)	43 9/16" (1106)	10.23 (0.95)	wash mode
1640-2	1.57 (0.15)	5 3/8" (137)	41 13/16" (1062)	6.45 (0.60)	6.86 (0.64)	37 9/16" (954)	11.71 (1.09)	wash mode
1646-2	1.79 (0.17)	5 3/8" (137)	47 13/16" (1214)	7.38 (0.69)	7.84 (0.73)	31 9/16" (802)	13.19 (1.23)	wash mode
1650-2	2.02 (0.19)	5 3/8" (137)	53 13/16" (1367)	8.32 (0.77)	8.82 (0.82)	25 9/16" (649)	14.67 (1.36)	wash mode
1656-2	2.24 (0.21)	5 3/8" (137)	59 13/16" (1519)	9.26 (0.86)	9.81 (0.91)	19 9/16" (497)	16.15 (1.50)	wash mode
1660-2	2.47 (0.23)	5 3/8" (137)	65 13/16" (1671)	10.20 (0.95)	10.79 (1.00)	13 9/16" (344)	17.63 (1.64)	wash mode
1920-2	1.04 (0.10)	8 3/8" (213)	17 13/16" (452)	3.41 (0.32)	3.66 (0.34)	61 9/16" (1564)	6.77 (0.63)	wash mode
1926-2	1.39 (0.13)	8 3/8" (213)	23 13/16" (605)	4.60 (0.43)	4.90 (0.45)	55 9/16" (1411)	8.50 (0.79)	wash mode
1930-2	1.74 (0.16)	8 3/8" (213)	29 13/16" (757)	5.79 (0.54)	6.13 (0.57)	49 9/16" (1259)	10.23 (0.95)	wash mode
1936-2	2.09 (0.19)	8 3/8" (213)	35 13/16" (909)	6.98 (0.65)	7.36 (0.68)	43 9/16" (1106)	11.96 (1.11)	wash mode
1940-2	2.44 (0.23)	8 3/8" (213)	41 13/16" (1062)	8.16 (0.76)	8.60 (0.80)	37 9/16" (954)	13.69 (1.27)	wash mode
1946-2	2.79 (0.26)	8 3/8" (213)	47 13/16" (1214)	9.35 (0.87)	9.83 (0.91)	31 9/16" (802)	15.42 (1.43)	wash mode
1950-2	3.14 (0.29)	8 3/8" (213)	53 13/16" (1367)	10.54 (0.98)	11.06 (1.03)	25 9/16" (649)	17.15 (1.59)	wash mode
1956-2	3.49 (0.32)	8 3/8" (213)	59 13/16" (1519)	11.73 (1.09)	12.30 (1.14)	19 9/16" (497)	18.88 (1.75)	wash mode
1960-2	3.84 (0.36)	8 3/8" (213)	65 13/16" (1671)	12.91 (1.20)	13.53 (1.26)	13 9/16" (344)	20.61 (1.91)	wash mode
2020-2	1.41 (0.13)	11 3/8" (289)	17 13/16" (452)	4.13 (0.38)	4.40 (0.41)	61 9/16" (1564)	7.75 (0.72)	wash mode

*Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

continued on next page

CASEMENT & AWNING WINDOWS

Twin Casement Window Opening and Area Specifications (continued)

Window Number	Clear Opening Area Sq. Ft./ (m^2)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m^2)	Vent Area Sq. Ft./ (m^2)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m^2)	Hinge Type
		Width Inches/(mm)	Height Inches/(mm)					
2026-2	1.88 (0.18)	11 3/8" (289)	23 13/16" (605)	5.57 (0.52)	5.89 (0.55)	55 9/16" (1411)	9.73 (0.90)	wash mode
2030-2	2.36 (0.22)	11 3/8" (289)	29 13/16" (757)	7.01 (0.65)	7.37 (0.68)	49 9/16" (1259)	11.71 (1.09)	wash mode
2036-2	2.83 (0.26)	11 3/8" (289)	35 13/16" (909)	8.45 (0.78)	8.86 (0.82)	43 9/16" (1106)	13.69 (1.27)	wash mode
2040-2	3.31 (0.31)	11 3/8" (289)	41 13/16" (1062)	9.88 (0.92)	10.34 (0.96)	37 9/16" (954)	15.67 (1.46)	wash mode
2046-2	3.78 (0.35)	11 3/8" (289)	47 13/16" (1214)	11.32 (1.05)	11.82 (1.10)	31 9/16" (802)	17.65 (1.64)	wash mode
2050-2	4.26 (0.40)	11 3/8" (289)	53 13/16" (1367)	12.76 (1.19)	13.31 (1.24)	25 9/16" (649)	19.63 (1.82)	wash mode
2056-2	4.73 (0.44)	11 3/8" (289)	59 13/16" (1519)	14.20 (1.32)	14.79 (1.37)	19 9/16" (497)	21.61 (2.01)	wash mode
2060-2	5.21 (0.48)	11 3/8" (289)	65 13/16" (1671)	15.63 (1.45)	16.27 (1.51)	13 9/16" (344)	23.59 (2.19)	wash mode
2320-2	1.78 (0.17)	14 3/8" (366)	17 13/16" (452)	4.85 (0.45)	5.15 (0.48)	61 9/16" (1564)	8.73 (0.81)	wash mode
2326-2	2.38 (0.22)	14 3/8" (366)	23 13/16" (605)	6.54 (0.61)	6.88 (0.64)	55 9/16" (1411)	10.96 (1.02)	wash mode
2330-2	2.98 (0.28)	14 3/8" (366)	29 13/16" (757)	8.23 (0.76)	8.61 (0.80)	49 9/16" (1259)	13.19 (1.23)	wash mode
2336-2	3.58 (0.33)	14 3/8" (366)	35 13/16" (909)	9.91 (0.92)	10.35 (0.96)	43 9/16" (1106)	15.42 (1.43)	wash mode
2340-2	4.18 (0.39)	14 3/8" (366)	41 13/16" (1062)	11.60 (1.08)	12.08 (1.12)	37 9/16" (954)	17.65 (1.64)	wash mode
2346-2	4.78 (0.44)	14 3/8" (366)	47 13/16" (1214)	13.29 (1.23)	13.81 (1.28)	31 9/16" (802)	19.88 (1.85)	wash mode
2350-2	5.38 (0.50)	14 3/8" (366)	53 13/16" (1367)	14.98 (1.39)	15.55 (1.44)	25 9/16" (649)	22.11 (2.05)	wash mode
2356-2	5.98 (0.56)	14 3/8" (366)	59 13/16" (1519)	16.66 (1.55)	17.28 (1.61)	19 9/16" (497)	24.34 (2.26)	wash mode
2360-2	6.58 (0.61)	14 3/8" (366)	65 13/16" (1671)	18.35 (1.70)	19.02 (1.77)	13 9/16" (344)	26.56 (2.47)	wash mode
2620-2	2.15 (0.20)	17 3/8" (442)	17 13/16" (452)	5.57 (0.52)	5.89 (0.55)	61 9/16" (1564)	9.71 (0.90)	wash mode
2626-2	2.88 (0.27)	17 3/8" (442)	23 13/16" (605)	7.51 (0.70)	7.87 (0.73)	55 9/16" (1411)	12.19 (1.13)	wash mode
2630-2	3.60 (0.33)	17 3/8" (442)	29 13/16" (757)	9.45 (0.88)	9.86 (0.92)	49 9/16" (1259)	14.67 (1.36)	wash mode
2636-2	4.33 (0.40)	17 3/8" (442)	35 13/16" (909)	11.38 (1.06)	11.84 (1.10)	43 9/16" (1106)	17.15 (1.59)	wash mode
2640-2 ◊	6.30 (0.59)	21 11/16" (551)	41 13/16" (1062)	13.32 (1.24)	13.82 (1.28)	37 9/16" (954)	19.63 (1.82)	widest clear opening
2646-2 ◊	7.21 (0.67)	21 11/16" (551)	47 13/16" (1214)	15.26 (1.42)	15.81 (1.47)	31 9/16" (802)	22.11 (2.05)	widest clear opening
2650-2 ◊	8.11 (0.75)	21 11/16" (551)	53 13/16" (1367)	17.20 (1.60)	17.79 (1.65)	25 9/16" (649)	24.59 (2.28)	widest clear opening
2656-2 ◊	9.02 (0.84)	21 11/16" (551)	59 13/16" (1519)	19.13 (1.78)	19.77 (1.84)	19 9/16" (497)	27.06 (2.51)	widest clear opening
2660-2 ◊	9.92 (0.92)	21 11/16" (551)	65 13/16" (1671)	21.07 (1.96)	21.76 (2.02)	13 9/16" (344)	29.54 (2.74)	widest clear opening
2920-2	2.52 (0.23)	20 3/8" (518)	17 13/16" (452)	6.29 (0.58)	6.63 (0.62)	61 9/16" (1564)	10.69 (0.99)	wash mode
2926-2	3.37 (0.31)	20 3/8" (518)	23 13/16" (605)	8.48 (0.79)	8.86 (0.82)	55 9/16" (1411)	13.42 (1.25)	wash mode
2930-2	4.22 (0.39)	20 3/8" (518)	29 13/16" (757)	10.66 (0.99)	11.10 (1.03)	49 9/16" (1259)	16.15 (1.50)	wash mode
2936-2 ◊	6.08 (0.57)	24 1/2" (621)	35 13/16" (909)	12.85 (1.19)	13.33 (1.24)	43 9/16" (1106)	18.88 (1.75)	widest clear opening
2940-2 ◊	5.92 (0.55)	20 3/8" (518)	41 13/16" (1062)	15.04 (1.40)	15.56 (1.45)	37 9/16" (954)	21.61 (2.01)	wash mode
2946-2 ◊	6.77 (0.63)	20 3/8" (518)	47 13/16" (1214)	17.23 (1.60)	17.80 (1.65)	31 9/16" (802)	24.34 (2.26)	wash mode
2950-2 ◊	7.62 (0.71)	20 3/8" (518)	53 13/16" (1367)	19.41 (1.80)	20.03 (1.86)	25 9/16" (649)	27.06 (2.51)	wash mode
2956-2 ◊	8.47 (0.79)	20 3/8" (518)	59 13/16" (1519)	21.60 (2.01)	22.27 (2.07)	19 9/16" (497)	29.79 (2.77)	wash mode
2960-2 ◊	9.32 (0.87)	20 3/8" (518)	65 13/16" (1671)	23.79 (2.21)	24.50 (2.28)	13 9/16" (344)	32.52 (3.02)	wash mode
3020-2	2.89 (0.27)	23 3/8" (594)	17 13/16" (452)	7.01 (0.65)	7.37 (0.68)	61 9/16" (1564)	11.67 (1.08)	wash mode
3026-2	3.87 (0.36)	23 3/8" (594)	23 13/16" (605)	9.45 (0.88)	9.86 (0.92)	55 9/16" (1411)	14.65 (1.36)	wash mode
3030-2	4.84 (0.45)	23 3/8" (594)	29 13/16" (757)	11.88 (1.10)	12.34 (1.15)	49 9/16" (1259)	17.63 (1.64)	wash mode
3036-2 ◊	5.82 (0.54)	23 3/8" (594)	35 13/16" (909)	14.32 (1.33)	14.82 (1.38)	43 9/16" (1106)	20.61 (1.91)	wash mode
3040-2 ◊	6.79 (0.63)	23 3/8" (594)	41 13/16" (1062)	16.76 (1.56)	17.31 (1.61)	37 9/16" (954)	23.59 (2.19)	wash mode
3046-2 ◊	7.77 (0.72)	23 3/8" (594)	47 13/16" (1214)	19.20 (1.78)	19.79 (1.84)	31 9/16" (802)	26.56 (2.47)	wash mode
3050-2 ◊	8.74 (0.81)	23 3/8" (594)	53 13/16" (1367)	21.63 (2.01)	22.27 (2.07)	25 9/16" (649)	29.54 (2.74)	wash mode
3056-2 ◊	9.72 (0.90)	23 3/8" (594)	59 13/16" (1519)	24.07 (2.24)	24.76 (2.30)	19 9/16" (497)	32.52 (3.02)	wash mode
3060-2 ◊	10.69 (0.99)	23 3/8" (594)	65 13/16" (1671)	26.51 (2.46)	27.24 (2.53)	13 9/16" (344)	35.50 (3.30)	wash mode

* Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 * Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Grille Patterns

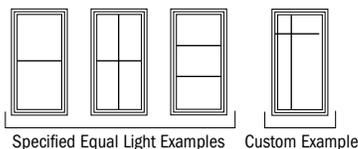
	Prairie A	Colonial	Simulated Meeting Rail	Modified Colonial	Tall Fractional	Short Fractional
Casement						

Number of lights and overall pattern varies with window size.

Patterns shown may not be available for all sizes. Specified

equal light and custom patterns are also available. For specified equal light, specify number of same-size rectangles across or down. For more information on divided light, see page 13 or visit

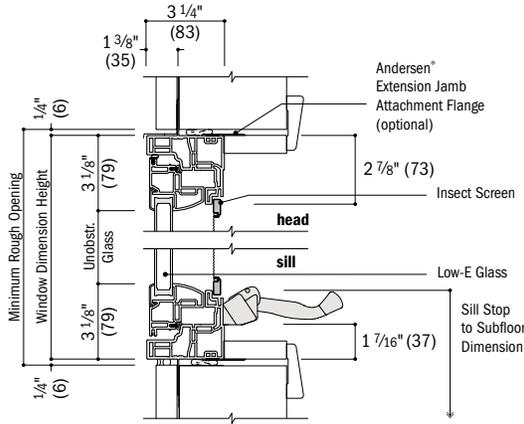
andersenwindows.com/grilles.



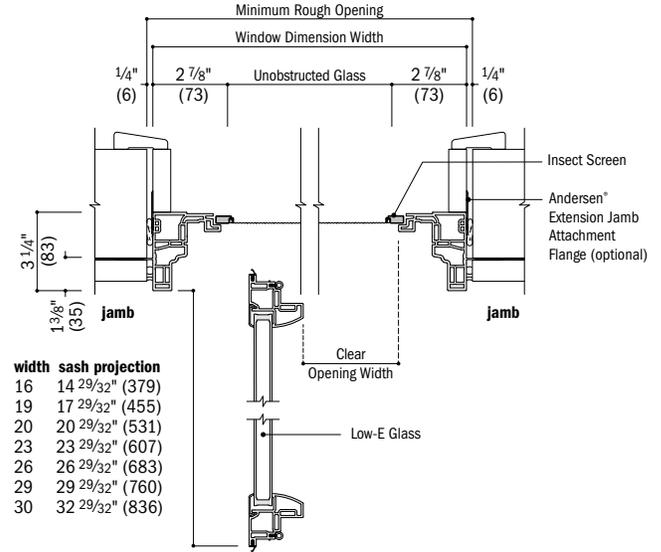
Caseament Window Details - New Construction

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

1 3/8" flange setback

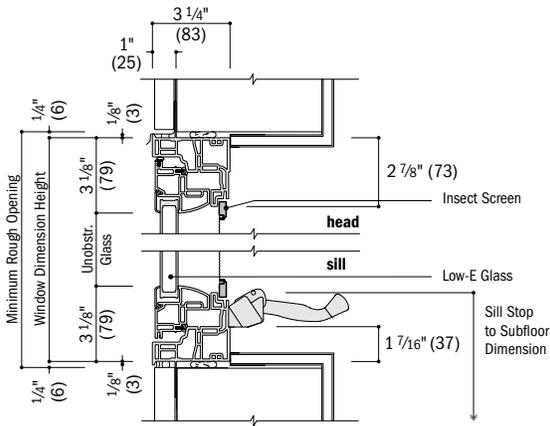


Vertical Section

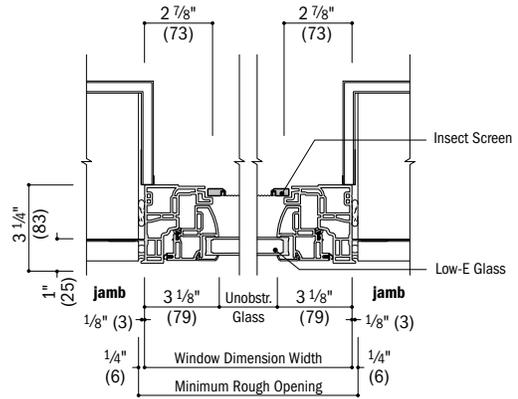


Horizontal Section

1" flange setback with stucco key

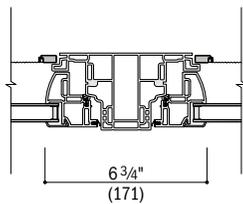


Vertical Section
Stucco Exterior

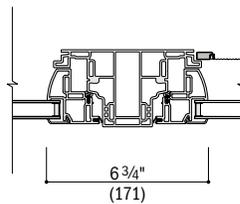


Horizontal Section
Stucco Exterior

Integrals



Horizontal Section
Twin Casement



Horizontal Section
Picture With Flanking Casement

See pages 85-87 for joining details.

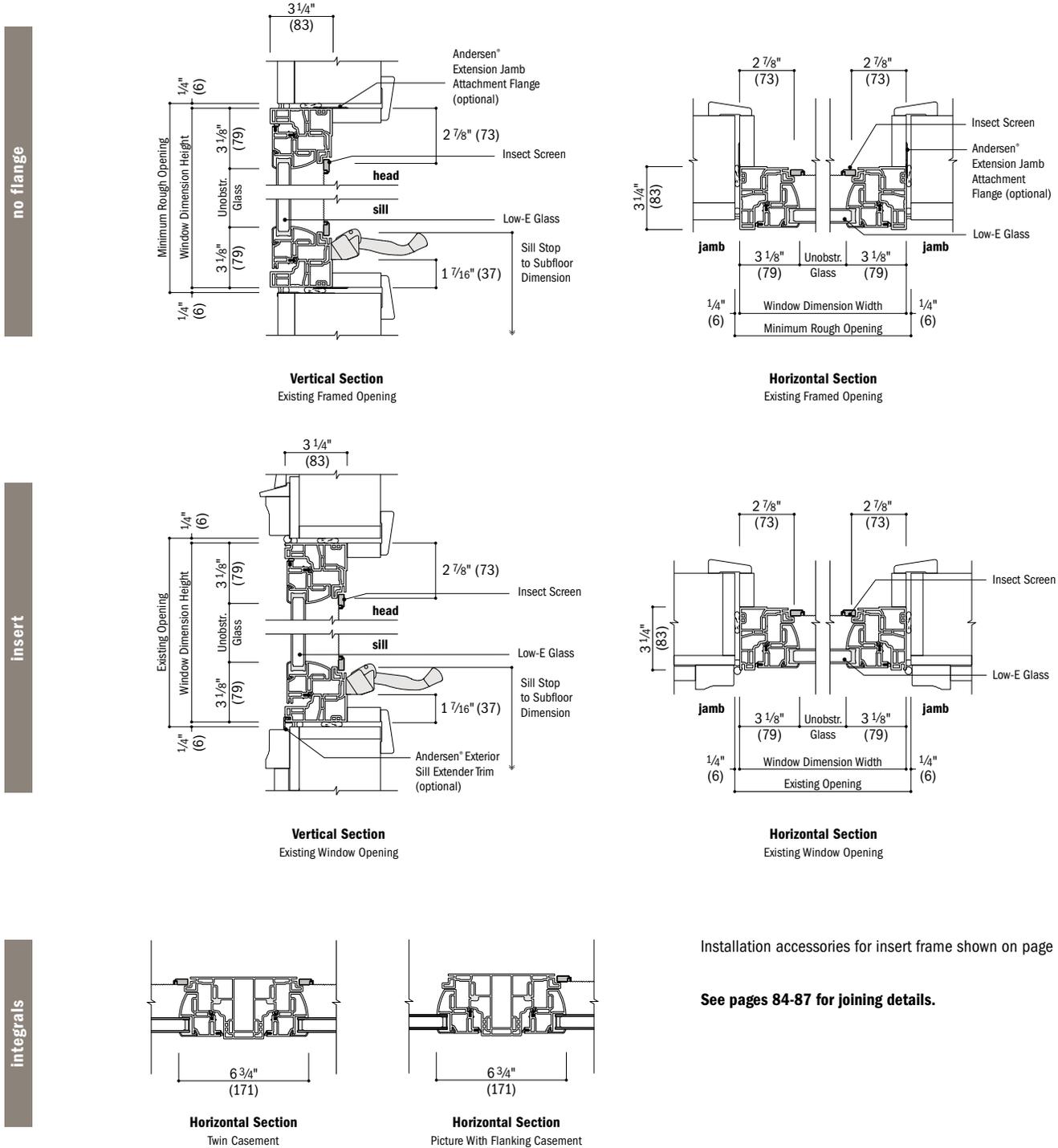
- Drip cap is required to complete window installation as shown but may not be included with the window. Use of drip cap is recommended for proper installation.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen™ parts required to complete window assembly as shown.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

100 Series Casement
& Awning Windows

CASEMENT & AWNING WINDOWS

Casement Window Details - Replacement

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



- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

Table of Awning Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

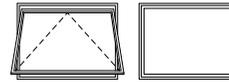
Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(445)	(597)	(749)	(902)	(1054)	(1207)
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(457)	(610)	(762)	(914)	(1067)	(1219)
Unobstructed Glass	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)

CUSTOM WIDTHS – 17 1/2" to 47 1/2"

CUSTOM HEIGHTS – 17 1/2" to 35 1/2"	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
17 1/2"	1616	2016	2616	3016	3616	4016
20 1/2"	1620	2020	2620	3020	3620	4020
23 1/2"	1626	2026	2626	3026	3626	4026
26 1/2"	1630	2030	2630	3030	3630	4030



Custom-size windows are available in 1/8" (3) increments. See page 88 for custom sizes and specifications.



Venting Stationary

Choose venting or stationary. **Awning windows must be installed to vent as shown and should not be rotated and used as a hopper.** Details shown on pages 28-29. Grille patterns shown on page 26.

Table of Twin Awning Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)
Minimum Rough Opening	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
	(914)	(1067)	(1219)	(1372)	(1524)	(1676)	(1829)
Unobstructed Glass (width of single sash)	11 1/4"	14 1/4"	17 1/4"	20 1/4"	23 1/4"	26 1/4"	29 1/4"
	(286)	(362)	(438)	(514)	(591)	(667)	(743)

CUSTOM WIDTHS – 35 1/2" to 71 1/2"

CUSTOM HEIGHTS – 17 1/2" to 35 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
17 1/2"	1610-2	1910-2	2010-2	2310-2	2610-2	2910-2	3010-2
20 1/2"	1616-2	1916-2	2016-2	2316-2	2616-2	2916-2	3016-2
23 1/2"	1620-2	1920-2	2020-2	2320-2	2620-2	2920-2	3020-2
26 1/2"	1626-2	1926-2	2026-2	2326-2	2626-2	2926-2	3026-2
29 1/2"	1630-2	1930-2	2030-2	2330-2	2630-2	2930-2	3030-2



Custom-size windows are available in 1/8" (3) increments. See page 88 for custom sizes and specifications.

Windows have one continuous outer frame.

Twin transoms are also shown. See pages 70-71 for more information.

Details shown on pages 28-29. Grille patterns shown on page 26.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

CASEMENT & AWNING WINDOWS

Table of Sizes - Picture Window Over Awning

Scale 1/8" (3) = 1'-0" (305) - 1:96

Window Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)
Minimum Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)
Unobstructed Glass (height of upper sash)	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)

CUSTOM HEIGHTS - 47 1/2" to 95 1/2"	CUSTOM WIDTHS - 17 1/2" to 47 1/2"				
	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)
3'-11 1/2" (1207)					
4'-0" (1219)					
4'-11 1/2" (1511)					
5'-0" (1524)					
5'-11 1/2" (1816)					
6'-0" (1829)					
5'-11 1/2" (1816)					
6'-0" (1829)					
6'-11 1/2" (2121)					
7'-0" (2134)					
6'-11 1/2" (2121)					
7'-0" (2134)					
7'-11 1/2" (2426)					
8'-0" (2438)					



Custom-size windows are available in 1/8" (3) increments.
See page 89 for custom sizes and specifications.

Windows have one continuous outer frame.

For unobstructed glass height dimensions of lower sash, see page 25.

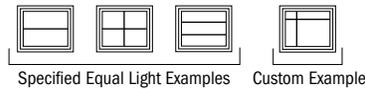
Details shown on pages 28-29.

Grille patterns shown below.

Grille Patterns

	Prairie A	Colonial	Modified Colonial*
Awning			
	Tall Fractional	Short Fractional	

*Modified colonial pattern is available only for the upper sash of a picture window over awning configuration.



Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For specified equal light, specify number of same-size rectangles across or down. For more information on divided light, see page 13 or visit andersenwindows.com/grilles.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

Awning Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)		Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/(mm)	Depth Inches/(mm)					
1616	0.66	(0.06)	11 13/16" (300)	8" (203)	0.88 (0.08)	0.66 (0.06)	67 9/16" (1716)	2.13 (0.20)	
1620	0.66	(0.06)	11 13/16" (300)	8" (203)	1.35 (0.13)	0.66 (0.06)	61 9/16" (1564)	2.86 (0.27)	
1626	0.66	(0.06)	11 13/16" (300)	8" (203)	1.82 (0.17)	0.66 (0.06)	55 9/16" (1411)	3.59 (0.33)	
1630	0.66	(0.06)	11 13/16" (300)	8" (203)	2.29 (0.21)	0.66 (0.06)	49 9/16" (1259)	4.31 (0.40)	
2016	0.99	(0.09)	17 13/16" (452)	8" (203)	1.35 (0.13)	0.99 (0.09)	67 9/16" (1716)	2.86 (0.27)	
2020	0.99	(0.09)	17 13/16" (452)	8" (203)	2.07 (0.19)	0.99 (0.09)	61 9/16" (1564)	3.84 (0.36)	
2026	0.99	(0.09)	17 13/16" (452)	8" (203)	2.79 (0.26)	0.99 (0.09)	55 9/16" (1411)	4.81 (0.45)	
2030	0.99	(0.09)	17 13/16" (452)	8" (203)	3.50 (0.33)	0.99 (0.09)	49 9/16" (1259)	5.79 (0.54)	
2616	1.32	(0.12)	23 13/16" (605)	8" (203)	1.82 (0.17)	1.32 (0.12)	67 9/16" (1716)	3.59 (0.33)	
2620	1.32	(0.12)	23 13/16" (605)	8" (203)	2.79 (0.26)	1.32 (0.12)	61 9/16" (1564)	4.81 (0.45)	
2626	1.32	(0.12)	23 13/16" (605)	8" (203)	3.75 (0.35)	1.32 (0.12)	55 9/16" (1411)	6.04 (0.56)	
2630	1.32	(0.12)	23 13/16" (605)	8" (203)	4.72 (0.44)	1.32 (0.12)	49 9/16" (1259)	7.27 (0.68)	
3016	1.66	(0.15)	29 13/16" (757)	8" (203)	2.29 (0.21)	1.66 (0.15)	67 9/16" (1716)	4.31 (0.40)	
3020	1.66	(0.15)	29 13/16" (757)	8" (203)	3.50 (0.33)	1.66 (0.15)	61 9/16" (1564)	5.79 (0.54)	
3026	1.66	(0.15)	29 13/16" (757)	8" (203)	4.72 (0.44)	1.66 (0.15)	55 9/16" (1411)	7.27 (0.68)	
3030	1.66	(0.15)	29 13/16" (757)	8" (203)	5.94 (0.55)	1.66 (0.15)	49 9/16" (1259)	8.75 (0.81)	
3616	1.99	(0.18)	35 13/16" (909)	8" (203)	2.75 (0.26)	1.99 (0.18)	67 9/16" (1716)	5.04 (0.47)	
3620	1.99	(0.18)	35 13/16" (909)	8" (203)	4.22 (0.39)	1.99 (0.18)	61 9/16" (1564)	6.77 (0.63)	
3626	1.99	(0.18)	35 13/16" (909)	8" (203)	5.69 (0.53)	1.99 (0.18)	55 9/16" (1411)	8.50 (0.79)	
3630	1.99	(0.18)	35 13/16" (909)	8" (203)	7.16 (0.67)	1.99 (0.18)	49 9/16" (1259)	10.23 (0.95)	
4016	2.32	(0.22)	41 13/16" (1062)	8" (203)	3.22 (0.30)	2.32 (0.22)	67 9/16" (1716)	5.77 (0.54)	
4020	2.32	(0.22)	41 13/16" (1062)	8" (203)	4.94 (0.46)	2.32 (0.22)	61 9/16" (1564)	7.75 (0.72)	
4026	2.32	(0.22)	41 13/16" (1062)	8" (203)	6.66 (0.62)	2.32 (0.22)	55 9/16" (1411)	9.73 (0.90)	
4030	2.32	(0.22)	41 13/16" (1062)	8" (203)	8.38 (0.78)	2.32 (0.22)	49 9/16" (1259)	11.71 (1.09)	

*"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.

Twin Awning Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)		Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/(mm)	Depth Inches/(mm)					
1616-2	0.66	(0.06)	11 13/16" (300)	8" (203)	1.76 (0.16)	1.31 (0.12)	67 9/16" (1716)	4.31 (0.40)	
1620-2	0.66	(0.06)	11 13/16" (300)	8" (203)	2.70 (0.25)	1.31 (0.12)	61 9/16" (1564)	5.79 (0.54)	
1626-2	0.66	(0.06)	11 13/16" (300)	8" (203)	3.63 (0.34)	1.31 (0.12)	55 9/16" (1411)	7.27 (0.68)	
1630-2	0.66	(0.06)	11 13/16" (300)	8" (203)	4.57 (0.42)	1.31 (0.12)	49 9/16" (1259)	8.75 (0.81)	
1916-2	0.82	(0.08)	14 13/16" (376)	8" (203)	2.23 (0.21)	1.65 (0.15)	67 9/16" (1716)	5.04 (0.47)	
1920-2	0.82	(0.08)	14 13/16" (376)	8" (203)	3.41 (0.32)	1.65 (0.15)	61 9/16" (1564)	6.77 (0.63)	
1926-2	0.82	(0.08)	14 13/16" (376)	8" (203)	4.60 (0.43)	1.65 (0.15)	55 9/16" (1411)	8.50 (0.79)	
1930-2	0.82	(0.08)	14 13/16" (376)	8" (203)	5.79 (0.54)	1.65 (0.15)	49 9/16" (1259)	10.23 (0.95)	
2016-2	0.99	(0.09)	17 13/16" (452)	8" (203)	2.70 (0.25)	1.98 (0.18)	67 9/16" (1716)	5.77 (0.54)	
2020-2	0.99	(0.09)	17 13/16" (452)	8" (203)	4.13 (0.38)	1.98 (0.18)	61 9/16" (1564)	7.75 (0.72)	
2026-2	0.99	(0.09)	17 13/16" (452)	8" (203)	5.57 (0.52)	1.98 (0.18)	55 9/16" (1411)	9.73 (0.90)	
2030-2	0.99	(0.09)	17 13/16" (452)	8" (203)	7.01 (0.65)	1.98 (0.18)	49 9/16" (1259)	11.71 (1.09)	
2316-2	1.16	(0.11)	20 13/16" (528)	8" (203)	3.16 (0.29)	2.31 (0.21)	67 9/16" (1716)	6.50 (0.60)	
2320-2	1.16	(0.11)	20 13/16" (528)	8" (203)	4.85 (0.45)	2.31 (0.21)	61 9/16" (1564)	8.73 (0.81)	
2326-2	1.16	(0.11)	20 13/16" (528)	8" (203)	6.54 (0.61)	2.31 (0.21)	55 9/16" (1411)	10.96 (1.02)	
2330-2	1.16	(0.11)	20 13/16" (528)	8" (203)	8.23 (0.76)	2.31 (0.21)	49 9/16" (1259)	13.19 (1.23)	
2616-2	1.32	(0.12)	23 13/16" (605)	8" (203)	3.63 (0.34)	2.65 (0.25)	67 9/16" (1716)	7.23 (0.67)	
2620-2	1.32	(0.12)	23 13/16" (605)	8" (203)	5.57 (0.52)	2.65 (0.25)	61 9/16" (1564)	9.71 (0.90)	
2626-2	1.32	(0.12)	23 13/16" (605)	8" (203)	7.51 (0.70)	2.65 (0.25)	55 9/16" (1411)	12.19 (1.13)	
2630-2	1.32	(0.12)	23 13/16" (605)	8" (203)	9.45 (0.88)	2.65 (0.25)	49 9/16" (1259)	14.67 (1.36)	
2916-2	1.49	(0.14)	26 13/16" (681)	8" (203)	4.10 (0.38)	2.98 (0.28)	67 9/16" (1716)	7.96 (0.74)	
2920-2	1.49	(0.14)	26 13/16" (681)	8" (203)	6.29 (0.58)	2.98 (0.28)	61 9/16" (1564)	10.69 (0.99)	
2926-2	1.49	(0.14)	26 13/16" (681)	8" (203)	8.48 (0.79)	2.98 (0.28)	55 9/16" (1411)	13.42 (1.25)	
2930-2	1.49	(0.14)	26 13/16" (681)	8" (203)	10.66 (0.99)	2.98 (0.28)	49 9/16" (1259)	16.15 (1.50)	
3016-2	1.66	(0.15)	29 13/16" (757)	8" (203)	4.57 (0.42)	3.31 (0.31)	67 9/16" (1716)	8.69 (0.81)	
3020-2	1.66	(0.15)	29 13/16" (757)	8" (203)	7.01 (0.65)	3.31 (0.31)	61 9/16" (1564)	11.67 (1.08)	
3026-2	1.66	(0.15)	29 13/16" (757)	8" (203)	9.45 (0.88)	3.31 (0.31)	55 9/16" (1411)	14.65 (1.36)	
3030-2	1.66	(0.15)	29 13/16" (757)	8" (203)	11.88 (1.10)	3.31 (0.31)	49 9/16" (1259)	17.63 (1.64)	

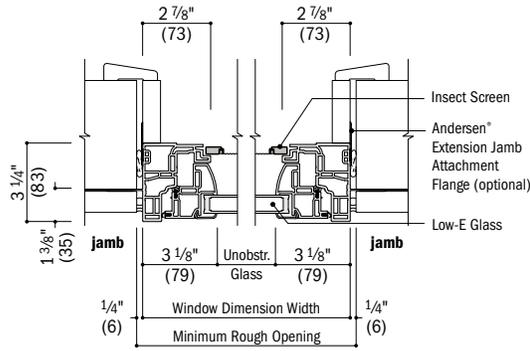
*"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.

CASEMENT & AWNING WINDOWS

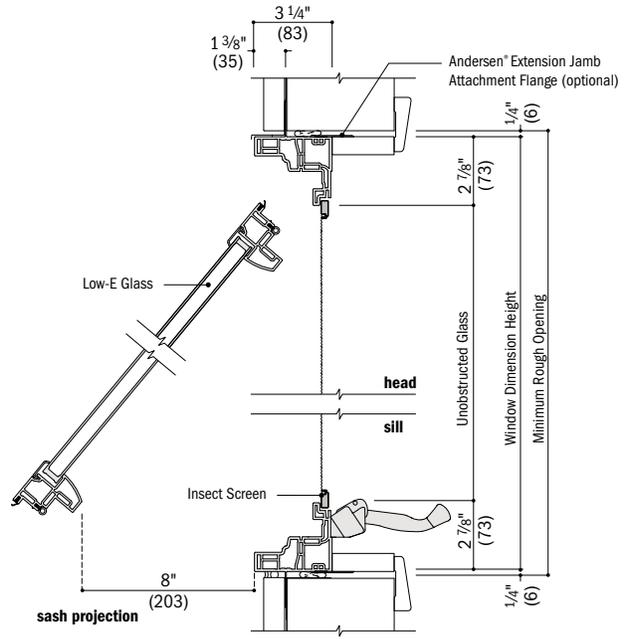
Awning Window Details – New Construction

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

1 3/8" flange setback

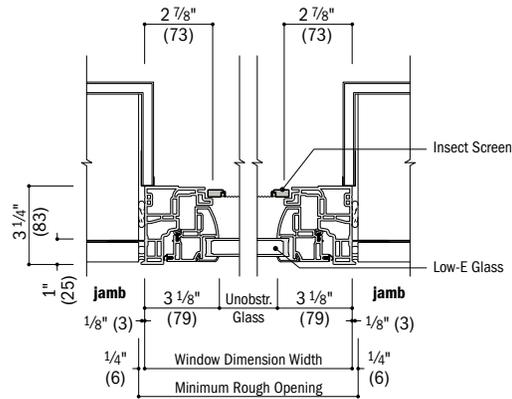


Horizontal Section

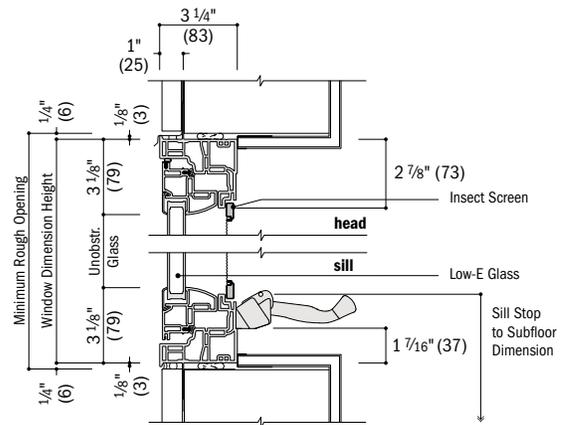


Vertical Section

1" flange setback with stucco key

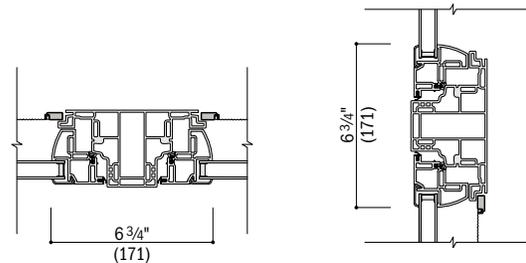


Horizontal Section
Stucco Exterior



Vertical Section
Stucco Exterior

Integrals



Horizontal Section
Twin Casement

Vertical Section
Picture Over Awning

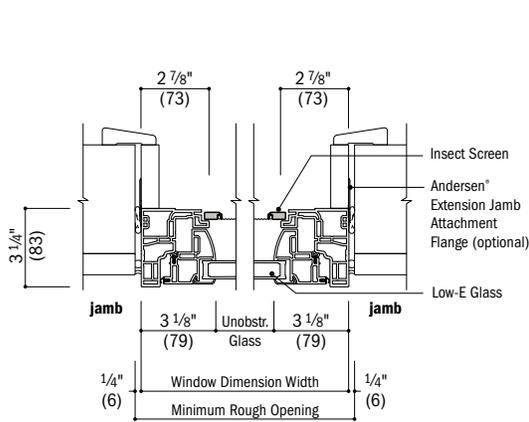
See pages 84-87 for joining details.

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

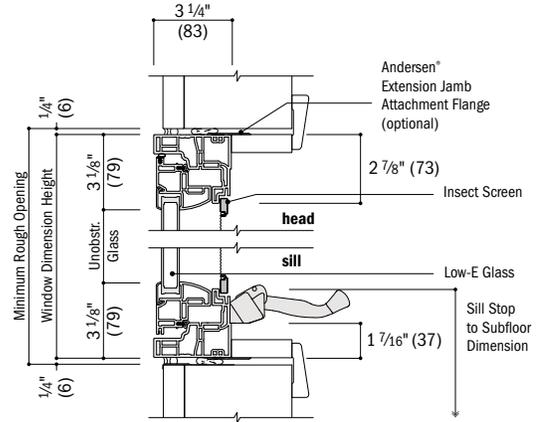
Awning Window Details - Replacement

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

no flange

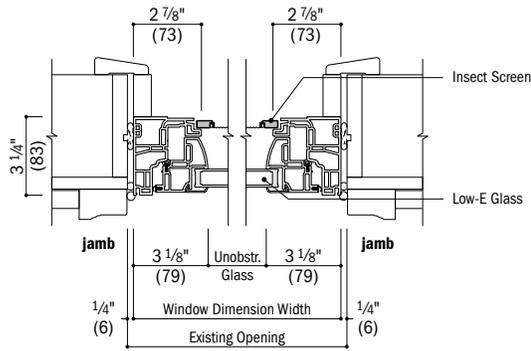


Horizontal Section
Existing Framed Opening

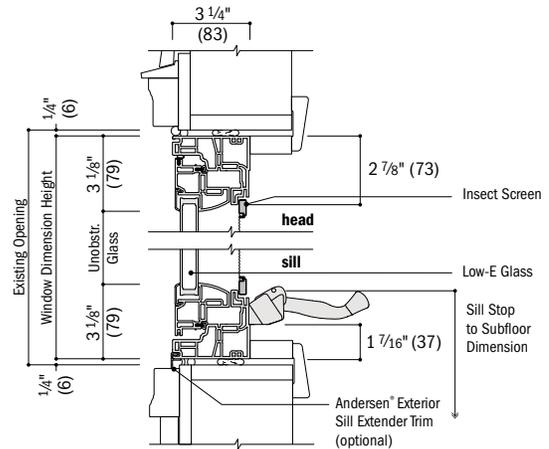


Vertical Section
Existing Framed Opening

insert

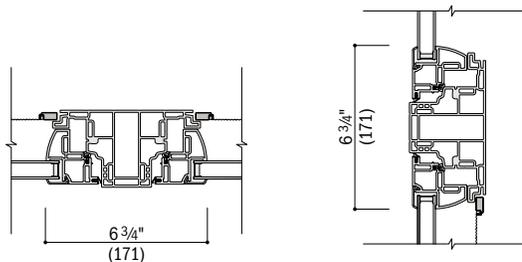


Horizontal Section
Existing Window Opening



Vertical Section
Existing Window Opening

integrals



Horizontal Section
Twin Casement

Vertical Section
Picture Over Awning

Installation accessories for insert frame shown on page 109.

See pages 84-87 for joining details.

100 Series Casement
& Awning Windows

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

SINGLE-HUNG WINDOWS

Table of Arch Single-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Width Dimension	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"
Minimum Rough Opening	(597) 2'-0" (610)	(749) 2'-6" (762)	(902) 3'-0" (914)	(1054) 3'-6" (1067)
Unobstructed Glass (width of upper sash)	20"	26"	32"	38"
Unobstructed Glass (width of lower sash)	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)
Radius	23 1/2" (597)	29 1/2" (749)	35 1/2" (902)	41 1/2" (1054)
Unobstructed Glass Chord Height (height of lower sash shown below)	3 1/8" (79)	4" (102)	4 3/4" (121)	5 1/2" (140)
Side Height	2'-5 1/2" (749)	2'-9 1/2" (851)	2'-10 1/4" (870)	2'-11" (889)
Window Height (shown left of window)	2'-8 5/8" (829)	2'-9 1/2" (851)	2'-10 1/4" (870)	2'-11" (889)
10 9/16" (268)	2026	2626	3026	3626
13 9/16" (345)	2030	2630	3030	3630
16 9/16" (421)	2036	2636	3036	3636
19 9/16" (497)	2040	2640	3040	3640
22 9/16" (573)	2046	2646	3046	3646
25 9/16" (649)	2050	2650	3050 ^Ø	3650 ^Ø
28 9/16" (726)	2056	2656	3056 ^Ø	3656 ^Ø
31 9/16" (802)	2060	2660 ^Ø	3060 ^Ø	3660 ^Ø
34 9/16" (878)	2066	2666 ^Ø	3066 ^Ø	3666 ^Ø



Custom-size windows

are available in 1/8" (3) increments. Contact your Andersen supplier for more information.

For arch single-hung windows, the size designation does not reflect the overall window height (e.g., a 2026 window size has a side height of 2'-5 1/2" and an overall window height of 2'-8 5/8").

Height dimensions for upper sash are to the right of each window size and lower sash are to the far left.



Windows with a side height greater than 6'-5 1/2" (1969) are only available with a 2:1 reverse cottage sash ratio.

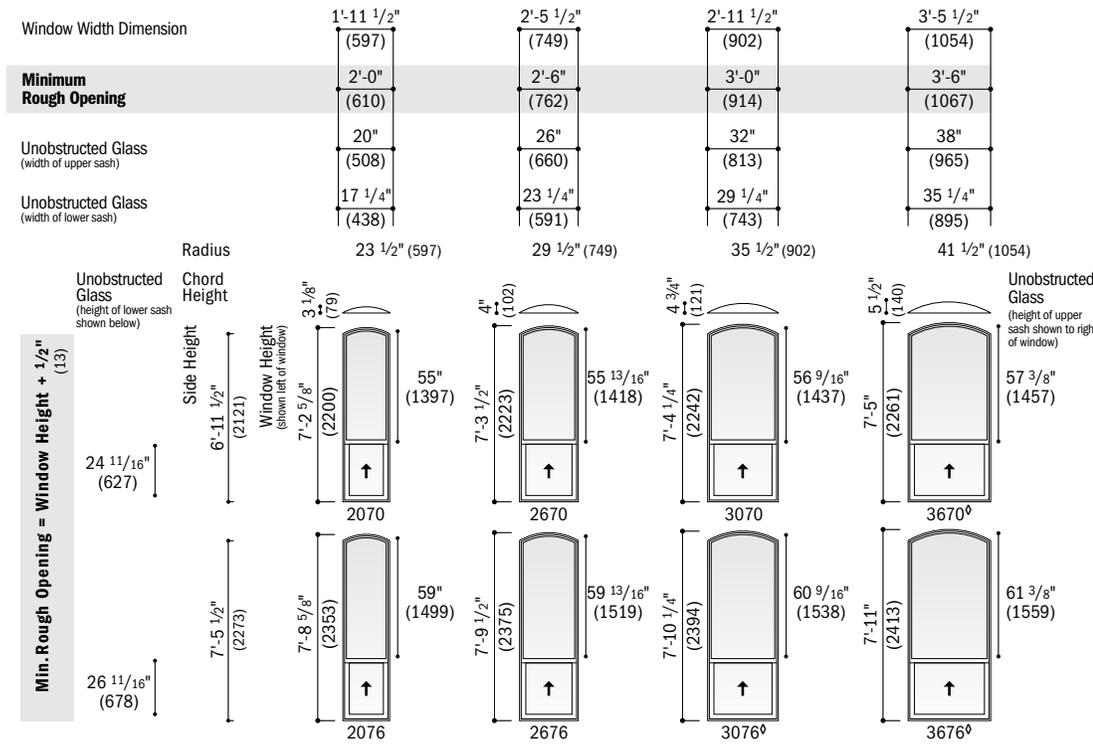
Details are shown on pages 48-49. Grille patterns shown on page 47.

continued on next page

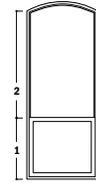
* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ØMeets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 31 and 33.
 *For side heights greater than 6'-5 1/2" (1969), meeting rail location = (side height in inches x 0.33) + 1.96".

Table of Arch Single-Hung Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96



Notes on previous page also apply to this page.



Windows with a side height greater than 6'-5 1/2" (1969) are only available with a 2:1 reverse cottage sash ratio.*

100 Series Single-Hung Windows

*"Window Dimension" always refers to outside frame-to-frame dimension.
 **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 *Dimensions in parentheses are in millimeters.
 ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 31 and 33.
 *For side heights greater than 6'-5 1/2" (1969), meeting rail location = (side height in inches x 0.33) + 1.96".

Arch Single-Hung Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)				
2026	1.53 (0.14)	20" (508)	11 1/16" (280)	3.25 (0.30)	1.53 (0.14)	51 3/8" (1304)	5.16 (0.48)
2030	1.95 (0.18)	20" (508)	14 1/16" (357)	4.03 (0.37)	1.95 (0.18)	45 3/8" (1152)	6.14 (0.57)
2036	2.37 (0.22)	20" (508)	17 1/16" (433)	4.80 (0.45)	2.37 (0.22)	39 3/8" (1000)	7.12 (0.66)
2040	2.78 (0.26)	20" (508)	20 1/16" (509)	5.58 (0.52)	2.78 (0.26)	33 3/8" (847)	8.10 (0.75)
2046	3.20 (0.30)	20" (508)	23 1/16" (585)	6.36 (0.59)	3.20 (0.30)	27 3/8" (695)	9.08 (0.84)
2050	3.62 (0.34)	20" (508)	26 1/16" (661)	7.13 (0.66)	3.62 (0.34)	21 3/8" (542)	10.06 (0.93)
2056	4.03 (0.37)	20" (508)	29 1/16" (738)	7.91 (0.73)	4.03 (0.37)	15 3/8" (390)	11.04 (1.03)
2060	4.45 (0.41)	20" (508)	32 1/16" (814)	8.68 (0.81)	4.45 (0.41)	9 3/8" (238)	12.02 (1.12)
2066	4.87 (0.45)	20" (508)	35 1/16" (890)	9.46 (0.88)	4.87 (0.45)	16 7/8" (429)**	12.99 (1.21)
2070*	3.48 (0.32)	20" (508)	25 1/16" (636)	10.48 (0.97)	3.48 (0.32)	10 7/8" (276)**	13.97 (1.30)
2076*	3.76 (0.35)	20" (508)	27 1/16" (687)	11.28 (1.05)	3.76 (0.35)	4 7/8" (124)**	14.95 (1.39)
2626	1.99 (0.19)	26" (660)	11 1/16" (280)	4.39 (0.41)	1.99 (0.19)	50 9/16" (1284)	6.59 (0.61)
2630	2.53 (0.24)	26" (660)	14 1/16" (357)	5.41 (0.50)	2.53 (0.24)	44 9/16" (1132)	7.82 (0.73)
2636	3.08 (0.29)	26" (660)	17 1/16" (433)	6.44 (0.60)	3.08 (0.29)	38 9/16" (979)	9.05 (0.84)
2640	3.62 (0.34)	26" (660)	20 1/16" (509)	7.46 (0.69)	3.62 (0.34)	32 9/16" (827)	10.28 (0.95)
2646	4.16 (0.39)	26" (660)	23 1/16" (585)	8.49 (0.79)	4.16 (0.39)	26 9/16" (674)	11.51 (1.07)
2650	4.70 (0.44)	26" (660)	26 1/16" (661)	9.52 (0.88)	4.70 (0.44)	20 9/16" (522)	12.74 (1.18)
2656	5.24 (0.49)	26" (660)	29 1/16" (738)	10.54 (0.98)	5.24 (0.49)	14 9/16" (370)	13.97 (1.30)
2660 ◊	5.78 (0.54)	26" (660)	32 1/16" (814)	11.57 (1.07)	5.78 (0.54)	8 9/16" (217)	15.20 (1.41)
2666 ◊	6.33 (0.59)	26" (660)	35 1/16" (890)	12.59 (1.17)	6.33 (0.59)	16 1/16" (429)**	16.42 (1.53)
2670*	4.52 (0.42)	26" (660)	25 1/16" (636)	13.87 (1.29)	4.52 (0.42)	10 1/16" (256)**	17.65 (1.64)
2676*	4.88 (0.45)	26" (660)	27 1/16" (687)	14.91 (1.39)	4.88 (0.45)	4 1/16" (103)**	18.88 (1.75)
3026	2.45 (0.23)	32" (813)	11 1/16" (280)	5.57 (0.52)	2.45 (0.23)	49 3/4" (1263)	8.07 (0.75)
3030	3.12 (0.29)	32" (813)	14 1/16" (357)	6.84 (0.64)	3.12 (0.29)	43 3/4" (1111)	9.54 (0.89)

**"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096) except for XX66, XX70 and XX76 heights, which are calculated using a header height of 8' (2438).
 *Dimensions in parentheses are in millimeters or square meters.
 ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
 *Available only with a 2:1 reverse cottage sash ratio.
 **Calculated based upon a structural header height of 8' (2438).

continued on page 33

SINGLE-HUNG WINDOWS

Table of Single-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
Unobstructed Glass (height of single sash)	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)

CUSTOM HEIGHTS – 23 1/2" to 77 1/2"	CUSTOM WIDTHS – 17 1/2" to 47 1/2"					
	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
1'-11 1/2"	1620	2020	2620	3020	3620	4020
2'-5 1/2"	1626	2026	2626	3026	3626	4026
2'-11 1/2"	1630	2030	2630	3030	3630	4030
3'-5 1/2"	1636	2036	2636	3036	3636	4036
3'-11 1/2"	1640	2040	2640	3040	3640	4040
4'-5 1/2"	1646	2046	2646	3046	3646	4046
4'-11 1/2"	1650	2050	2650†	3050†	3650†	4050†
5'-5 1/2"	1656	2056	2656†	3056†	3656†	4056†
5'-11 1/2"	1660	2060	2660†	3060†	3660†	4060†
6'-5 1/2"	1666	2066	2666†	3066†	3666†	4066†
6'-11 1/2"	1670	2070	2670†	3070†	3670†	4070†

Reverse cottage sash is available based on a 3:2 ratio. Available in standard widths for the heights shown below.

REVERSE COTTAGE CUSTOM WIDTHS – 17 1/2" (445) to 47 1/2" (1207)

REVERSE COTTAGE CUSTOM HEIGHTS – 29 1/2" (749) to 77 1/2" (1969)



Custom-size windows are available in 1/8" (3) increments. See page 89 for custom sizes and specifications.

For construction site convenience, an optional drywall pass-through window is available for removal and reinstallation of the upper and lower sash.



Windows with a height greater than 6'-5 1/2" (1969) are only available with a 2:1 reverse cottage sash ratio.** Size tables for all windows with reverse cottage sash are available on andersenwindows.com.

Details shown on pages 50-51. Grille patterns shown on page 47.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 † Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on page 39.
 ‡ Drywall pass-through window available for these standard and reverse cottage sizes and for custom-size windows wider than 1'-11 1/2" (597) and taller than 4'-5 1/2" (1359).
 *For reverse cottage sash windows, meeting rail location = (window height in inches x 0.40) + 1.96".
 **For heights greater than 6'-5 1/2" (1969), meeting rail location = (window height in inches x 0.33) + 1.96".

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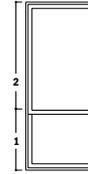
Table of Single-Hung Window Sizes (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(445)	(597)	(749)	(902)	(1054)	(1207)
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(457)	(610)	(762)	(914)	(1067)	(1219)
Unobstructed Glass	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)

CUSTOM WIDTHS		CUSTOM HEIGHTS	
7'-5 1/2"	7'-6"	54 7/16"	26 5/8"
(2273)	(2286)	(1383)	(676)
1676	2076	2676†	3076†
		3676†	4076†

Notes on previous page also apply to this page.



Windows with a height greater than 6'-5 1/2" (1969) are only available with a 2:1 reverse cottage sash ratio.* Size tables for all windows with reverse cottage sash are available on andersenwindows.com.

- *"Window Dimension" always refers to outside frame-to-frame dimension.
- **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- †Dimensions in parentheses are in millimeters.
- ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on bottom of this page**.
- ‡Drywall pass-through window available for these standard and reverse cottage sizes and for custom-size windows wider than 1'-11 1/2" (597) and taller than 4'-5 1/2" (1359).
- *For heights greater than 6'-5 1/2" (1969), meeting rail location = (window height in inches x 0.33) + 1.96".

Arch Single-Hung Window Opening and Area Specifications (continued from page 31)

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)				
3036	3.79 (0.35)	32" (813)	17 1/16" (433)	8.12 (0.75)	3.79 (0.35)	37 3/4" (959)	11.02 (1.02)
3040	4.45 (0.41)	32" (813)	20 1/16" (509)	9.39 (0.87)	4.45 (0.41)	31 3/4" (806)	12.50 (1.16)
3046	5.12 (0.48)	32" (813)	23 1/16" (585)	10.67 (0.99)	5.12 (0.48)	25 3/4" (654)	13.98 (1.30)
3050 ◊	5.79 (0.54)	32" (813)	26 1/16" (661)	11.95 (1.11)	5.79 (0.54)	19 3/4" (501)	15.46 (1.44)
3056 ◊	6.45 (0.60)	32" (813)	29 1/16" (738)	13.22 (1.23)	6.45 (0.60)	13 3/4" (349)	16.94 (1.57)
3060 ◊	7.12 (0.66)	32" (813)	32 1/16" (814)	14.50 (1.35)	7.12 (0.66)	7 3/4" (197)	18.42 (1.71)
3066 ◊	7.79 (0.72)	32" (813)	35 1/16" (890)	15.77 (1.47)	7.79 (0.72)	15 1/4"*** (387)**	19.90 (1.85)
3070*	5.56 (0.52)	32" (813)	25 1/16" (636)	17.30 (1.61)	5.56 (0.52)	9 1/4"*** (235)**	21.38 (1.99)
3076 ◊*	6.01 (0.56)	32" (813)	27 1/16" (687)	18.59 (1.73)	6.01 (0.56)	3 1/4"*** (83)**	22.86 (2.12)
3626	2.91 (0.27)	38" (965)	11 1/16" (280)	6.79 (0.63)	2.91 (0.27)	48 15/16" (1243)	9.59 (0.89)
3630	3.70 (0.34)	38" (965)	14 1/16" (357)	8.32 (0.77)	3.70 (0.34)	42 15/16" (1091)	11.31 (1.05)
3636	4.50 (0.42)	38" (965)	17 1/16" (433)	9.84 (0.91)	4.50 (0.42)	36 15/16" (938)	13.04 (1.21)
3640	5.29 (0.49)	38" (965)	20 1/16" (509)	11.37 (1.06)	5.29 (0.49)	30 15/16" (786)	14.77 (1.37)
3646	6.08 (0.56)	38" (965)	23 1/16" (585)	12.89 (1.20)	6.08 (0.56)	24 15/16" (633)	16.50 (1.53)
3650 ◊	6.87 (0.64)	38" (965)	26 1/16" (661)	14.42 (1.34)	6.87 (0.64)	18 15/16" (481)	18.23 (1.69)
3656 ◊	7.66 (0.71)	38" (965)	29 1/16" (738)	15.95 (1.48)	7.66 (0.71)	12 15/16" (329)	19.96 (1.85)
3660 ◊	8.45 (0.79)	38" (965)	32 1/16" (814)	17.47 (1.62)	8.45 (0.79)	6 15/16" (176)	21.69 (2.02)
3666 ◊	9.25 (0.86)	38" (965)	35 1/16" (890)	19.00 (1.77)	9.25 (0.86)	14 7/16"*** (367)**	23.42 (2.18)
3670 ◊*	6.61 (0.61)	38" (965)	25 1/16" (636)	20.77 (1.93)	6.61 (0.61)	8 1/16"*** (214)**	25.15 (2.34)
3676 ◊*	7.14 (0.66)	38" (965)	27 1/16" (687)	22.32 (2.07)	7.14 (0.66)	2 1/16"*** (62)**	26.88 (2.50)

- **"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096) except for XX66, XX70 and XX76 heights, which are calculated using a header height of 8' (2438).
- ◊Dimensions in parentheses are in millimeters or square meters.
- ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
- **Available only with a 2:1 reverse cottage sash ratio.
- ***Calculated based upon a structural header height of 8' (2438).

Single-Hung Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)				
1620	0.78 (0.07)	14" (356)	8 1/16" (204)	1.18 (0.11)	0.78 (0.07)	60 1/2" (1537)	2.86 (0.27)
1626	1.07 (0.10)	14" (356)	11 1/16" (280)	1.65 (0.15)	1.07 (0.10)	54 1/2" (1384)	3.59 (0.33)
1630	1.37 (0.13)	14" (356)	14 1/16" (357)	2.12 (0.20)	1.37 (0.13)	48 1/2" (1232)	4.31 (0.40)
1636	1.66 (0.15)	14" (356)	17 1/16" (433)	2.59 (0.24)	1.66 (0.15)	42 1/2" (1080)	5.04 (0.47)
1640	1.95 (0.18)	14" (356)	20 1/16" (509)	3.05 (0.28)	1.95 (0.18)	36 1/2" (927)	5.77 (0.54)
1646	2.24 (0.21)	14" (356)	23 1/16" (585)	3.52 (0.33)	2.24 (0.21)	30 1/2" (775)	6.50 (0.60)
1650	2.53 (0.24)	14" (356)	26 1/16" (661)	3.99 (0.37)	2.53 (0.24)	24 1/2" (622)	7.23 (0.67)
1656	2.82 (0.26)	14" (356)	29 1/16" (738)	4.46 (0.41)	2.82 (0.26)	18 1/2" (470)	7.96 (0.74)
1660	3.12 (0.29)	14" (356)	32 1/16" (814)	4.93 (0.46)	3.12 (0.29)	12 1/2" (318)	8.69 (0.81)
1666	3.41 (0.32)	14" (356)	35 1/16" (890)	5.40 (0.50)	3.41 (0.32)	6 1/2" (165)	9.42 (0.88)
1670*	2.43 (0.23)	14" (356)	25 1/16" (636)	5.87 (0.55)	2.43 (0.23)	14"*** (356)**	10.15 (0.94)

For reverse cottage, twin and triple single-hung window specifications, see pages 41, 43 and 45.

- **"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096) except for XX70 and XX76 heights, which are calculated using a header height of 8' (2438).
- ◊Dimensions in parentheses are in millimeters or square meters.
- ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
- **Available only with a 2:1 reverse cottage sash ratio.
- ***Calculated based upon a structural header height of 8' (2438).

continued on page 39

SINGLE-HUNG WINDOWS

Table of Twin and Triple Single-Hung Window Sizes

Notes on next page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-11 1/2"	3'-11 1/2"	4'-11 1/2"	5'-11 1/2"	6'-11 1/2"	7'-11 1/2"	4'-5 1/2"
	(902)	(1207)	(1511)	(1816)	(2121)	(2426)	(1359)
Minimum Rough Opening	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	4'-6"
	(914)	(1219)	(1524)	(1829)	(2134)	(2438)	(1372)
Unobstructed Glass (width of single sash)	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"	11 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)	(286)

CUSTOM WIDTHS TWIN – 35 1/2" to 95 1/2"

Window Dimension	CUSTOM WIDTHS TWIN – 35 1/2" to 95 1/2"						
	1610-2	2010-2	2610-2	3010-2	3610-2	4010-2	1610-3
11 1/2" (292)							
1'-5 1/2" (445)							
1'-11 1/2" (597)							
2'-0" (610)							
2'-6" (762)							
3'-0" (914)							
3'-6" (1067)							
4'-0" (1219)							
4'-6" (1372)							
5'-0" (1524)							
5'-6" (1676)							
6'-0" (1829)							
31 9/16" (802)							

* "Window Dimension" always refers to outside frame-to-frame dimension.

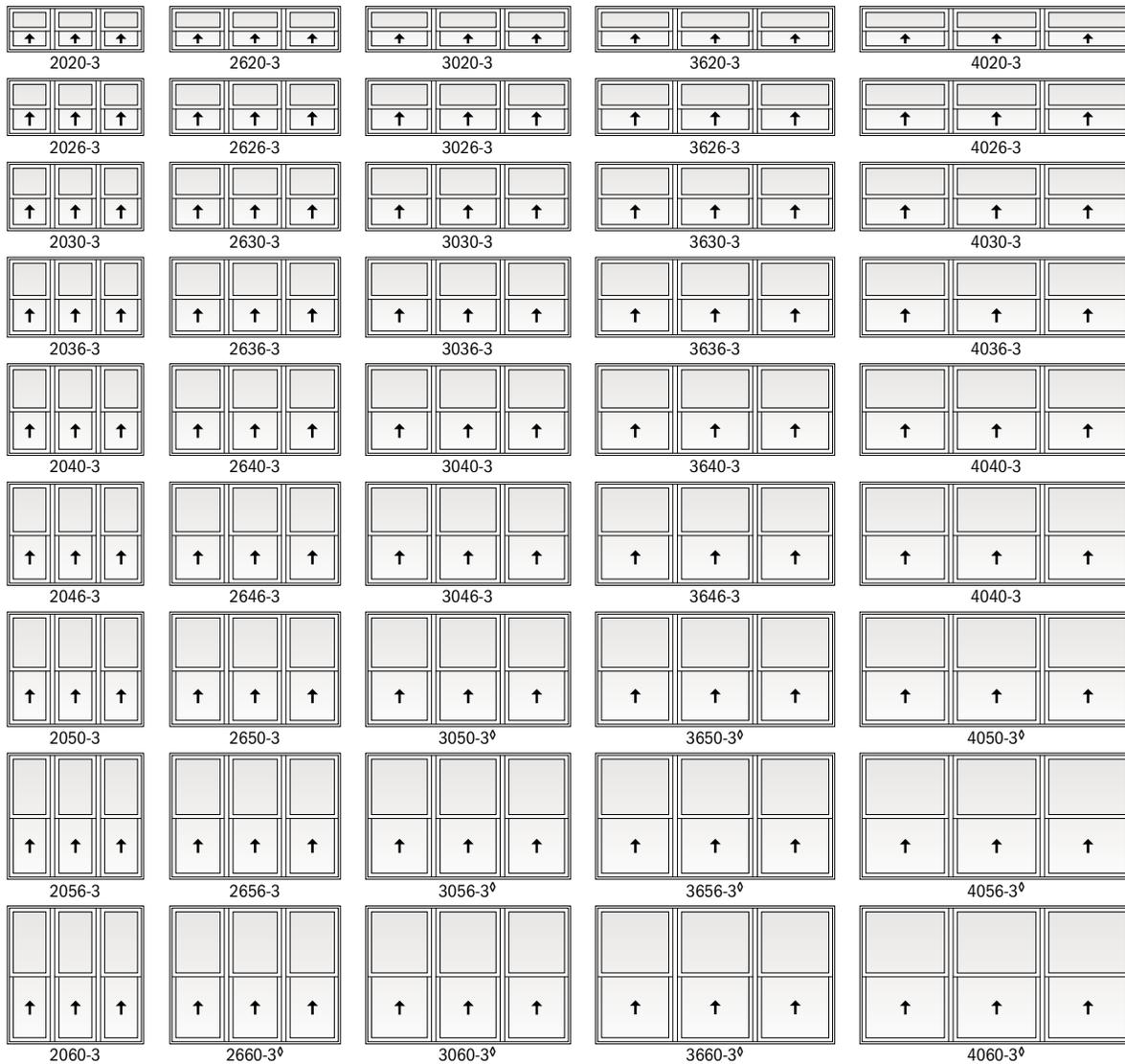
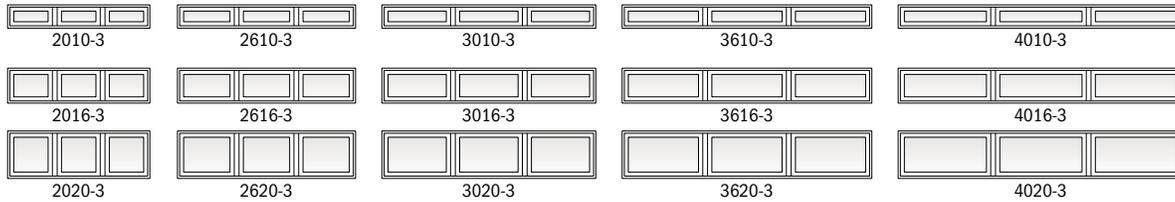
** "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.

• Dimensions in parentheses are in millimeters.

◊ Meets or exceeds clear opening area of 5.7 sq. ft. 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 43 and 45.

5'-11 1/2" (1816)	7'-5 1/2" (2273)	8'-11 1/2" (2731)	10'-5 1/2" (3188)	11'-11 1/2" (3645)
6'-0" (1829)	7'-6" (2286)	9'-0" (2743)	10'-6" (3200)	12'-0" (3658)
17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)

CUSTOM WIDTHS TRIPLE – 53 1/2" to 143 1/2"



Custom-size windows are available in 1/8" (3) increments. See page 89 for custom sizes and specifications.

Windows have one continuous outer frame.

Twin and triple transoms are also shown. See pages 70-71 for more information.

Details shown on pages 50-51. Grille patterns shown on page 47.

*"Window Dimension" always refers to outside frame-to-frame dimension.
 **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See tables on pages 43 and 45.

SINGLE-HUNG WINDOWS

Table of Sizes - 10-High Transom Window Over Single-Hung

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(445)	(597)	(749)	(902)	(1054)	(1207)
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(457)	(610)	(762)	(914)	(1067)	(1219)
Unobstructed Glass <small>(height of individual single-hung sash only)</small>	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)
3'-11 1/2"						
	1610 1630	2010 2030	2610 2630	3010 3030	3610 3630	4010 4030
4'-5 1/2"						
	1610 1636	2010 2036	2610 2636	3010 3036	3610 3636	4010 4036
4'-11 1/2"						
	1610 1640	2010 2040	2610 2640	3010 3040	3610 3640	4010 4040
5'-5 1/2"						
	1610 1646	2010 2046	2610 2646	3010 3046	3610 3646	4010 4046
5'-11 1/2"						
	1610 1650	2010 2050	2610 2650	3010 3050 ^o	3610 3650 ^o	4010 4050 ^o
6'-5 1/2"						
	1610 1656	2010 2056	2610 2656	3010 3056 ^o	3610 3656 ^o	4010 4056 ^o
6'-11 1/2"						
	1610 1660	2010 2060	2610 2660 ^o	3010 3060 ^o	3610 3660 ^o	4010 4060 ^o

Windows have one continuous outer frame.

Unobstructed glass height dimension of upper transom sash is 5 1/4" (133).

Details shown on pages 50-51.

Grille patterns shown on page 47.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
^oMeets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Table of Sizes – 16-High Transom Window Over Single-Hung

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(445)	(597)	(749)	(902)	(1054)	(1207)
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(457)	(610)	(762)	(914)	(1067)	(1219)
Unobstructed Glass <small>(height of individual single-hung sash only)</small>	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)

4'-5 1/2"						
(1359)	1616	2016	2616	3016	3616	4016
4'-6"	1630	2030	2630	3030	3630	4030
(1372)						
13 9/16"						
(345)						
4'-11 1/2"						
(1511)	1616	2016	2616	3016	3616	4016
5'-0"	1636	2036	2636	3036	3636	4036
(1524)						
16 9/16"						
(421)						
5'-5 1/2"						
(1664)	1616	2016	2616	3016	3616	4016
5'-6"	1640	2040	2640	3040	3640	4040
(1676)						
19 9/16"						
(497)						
5'-11 1/2"						
(1816)	1616	2016	2616	3016	3616	4016
6'-0"	1646	2046	2646	3046	3646	4046
(1829)						
22 9/16"						
(573)						
6'-5 1/2"						
(1969)	1616	2016	2616	3016	3616	4016
6'-6"	1650	2050	2650	3050 ^o	3650 ^o	4050 ^o
(1981)						
25 9/16"						
(649)						
6'-11 1/2"						
(2121)	1616	2016	2616	3016	3616	4016
7'-0"	1656	2056	2656	3056 ^o	3656 ^o	4056 ^o
(2134)						
28 9/16"						
(726)						
7'-5 1/2"						
(2273)	1616	2016	2616	3016	3616	4016
7'-6"	1660	2060	2660 ^o	3060 ^o	3660 ^o	4060 ^o
(2286)						
31 9/16"						
(802)						

Windows have one continuous outer frame.

Unobstructed glass height dimension of upper transom sash is 11 1/4" (286).

Details shown on pages 50-51.

Grille patterns shown on page 47.

*"Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

SINGLE-HUNG WINDOWS

Table of Sizes - 20-High Transom Window Over Single-Hung

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"
	(445)	(597)	(749)	(902)	(1054)	(1207)
Minimum Rough Opening	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"
	(457)	(610)	(762)	(914)	(1067)	(1219)
Unobstructed Glass <small>(height of individual single-hung sash only)</small>	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"
	(286)	(438)	(591)	(743)	(895)	(1048)

4'-11 1/2"	(1511)	(1511)	(1511)	(1511)	(1511)	(1511)
5'-0"	(1524)	(1524)	(1524)	(1524)	(1524)	(1524)
13 9/16"	(345)	(345)	(345)	(345)	(345)	(345)
	1620	2020	2620	3020	3620	4020
	1630	2030	2630	3030	3630	4030
5'-5 1/2"	(1664)	(1664)	(1664)	(1664)	(1664)	(1664)
5'-6"	(1676)	(1676)	(1676)	(1676)	(1676)	(1676)
16 9/16"	(421)	(421)	(421)	(421)	(421)	(421)
	1620	2020	2620	3020	3620	4020
	1636	2036	2636	3036	3636	4036
5'-11 1/2"	(1816)	(1816)	(1816)	(1816)	(1816)	(1816)
6'-0"	(1829)	(1829)	(1829)	(1829)	(1829)	(1829)
19 9/16"	(497)	(497)	(497)	(497)	(497)	(497)
	1620	2020	2620	3020	3620	4020
	1640	2040	2640	3040	3640	4040
6'-5 1/2"	(1969)	(1969)	(1969)	(1969)	(1969)	(1969)
6'-6"	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)
22 9/16"	(573)	(573)	(573)	(573)	(573)	(573)
	1620	2020	2620	3020	3620	4020
	1646	2046	2646	3046	3646	4046
6'-11 1/2"	(2121)	(2121)	(2121)	(2121)	(2121)	(2121)
7'-0"	(2134)	(2134)	(2134)	(2134)	(2134)	(2134)
25 9/16"	(649)	(649)	(649)	(649)	(649)	(649)
	1620	2020	2620	3020	3620	4020
	1650	2050	2650	3050 [◊]	3650 [◊]	4050 [◊]
7'-5 1/2"	(2273)	(2273)	(2273)	(2273)	(2273)	(2273)
7'-6"	(2286)	(2286)	(2286)	(2286)	(2286)	(2286)
28 9/16"	(726)	(726)	(726)	(726)	(726)	(726)
	1620	2020	2620	3020	3620	4020
	1656	2056	2656	3056 [◊]	3656 [◊]	4056 [◊]
7'-11 1/2"	(2426)	(2426)	(2426)	(2426)	(2426)	(2426)
8'-0"	(2438)	(2438)	(2438)	(2438)	(2438)	(2438)
31 9/16"	(802)	(802)	(802)	(802)	(802)	(802)
	1620	2020	2620	3020	3620	4020
	1660	2060	2660 [◊]	3060 [◊]	3660 [◊]	4060 [◊]

Windows have one continuous outer frame.

Unobstructed glass height dimension of upper transom sash is 17 1/4" (438).

Details shown on pages 50-51.

Grille patterns shown on page 47.

* "Window Dimension" always refers to outside frame-to-frame dimension.

◊ "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.

• Dimensions in parentheses are in millimeters.

◊ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Single-Hung Window Opening and Area Specifications *(continued from page 33)*

Window Number	Clear Opening Area Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)						
			Width Inches/(mm)	Height Inches/(mm)										
1676*	2.63	(0.24)	14"	(356)	27 1/16"	(687)	6.34	(0.59)	2.63	(0.24)	8***	(203)**	10.88	(1.01)
2020	1.12	(0.10)	20"	(508)	8 1/16"	(204)	1.81	(0.17)	1.12	(0.10)	60 1/2"	(1537)	3.84	(0.36)
2026	1.53	(0.14)	20"	(508)	11 1/16"	(280)	2.53	(0.24)	1.53	(0.14)	54 1/2"	(1384)	4.81	(0.45)
2030	1.95	(0.18)	20"	(508)	14 1/16"	(357)	3.25	(0.30)	1.95	(0.18)	48 1/2"	(1232)	5.79	(0.54)
2036	2.37	(0.22)	20"	(508)	17 1/16"	(433)	3.96	(0.37)	2.37	(0.22)	42 1/2"	(1080)	6.77	(0.63)
2040	2.78	(0.26)	20"	(508)	20 1/16"	(509)	4.68	(0.44)	2.78	(0.26)	36 1/2"	(927)	7.75	(0.72)
2046	3.20	(0.30)	20"	(508)	23 1/16"	(585)	5.40	(0.50)	3.20	(0.30)	30 1/2"	(775)	8.73	(0.81)
2050	3.62	(0.34)	20"	(508)	26 1/16"	(661)	6.12	(0.57)	3.62	(0.34)	24 1/2"	(622)	9.71	(0.90)
2056	4.03	(0.38)	20"	(508)	29 1/16"	(738)	6.84	(0.64)	4.03	(0.38)	18 1/2"	(470)	10.69	(0.99)
2060	4.45	(0.41)	20"	(508)	32 1/16"	(814)	7.56	(0.70)	4.45	(0.41)	12 1/2"	(318)	11.67	(1.08)
2066	4.87	(0.45)	20"	(508)	35 1/16"	(890)	8.28	(0.77)	4.87	(0.45)	6 1/2"	(165)	12.65	(1.18)
2070*	3.48	(0.32)	20"	(508)	25 1/16"	(636)	9.00	(0.84)	3.48	(0.32)	14***	(356)**	13.63	(1.27)
2076*	3.76	(0.35)	20"	(508)	27 1/16"	(687)	9.71	(0.90)	3.76	(0.35)	8***	(203)**	14.61	(1.36)
2620	1.45	(0.14)	26"	(660)	8 1/16"	(204)	2.44	(0.23)	1.45	(0.14)	60 1/2"	(1537)	4.81	(0.45)
2626	1.99	(0.19)	26"	(660)	11 1/16"	(280)	3.41	(0.32)	1.99	(0.19)	54 1/2"	(1384)	6.04	(0.56)
2630	2.54	(0.24)	26"	(660)	14 1/16"	(357)	4.37	(0.41)	2.54	(0.24)	48 1/2"	(1232)	7.27	(0.68)
2636	3.08	(0.29)	26"	(660)	17 1/16"	(433)	5.34	(0.50)	3.08	(0.29)	42 1/2"	(1080)	8.50	(0.79)
2640	3.62	(0.34)	26"	(660)	20 1/16"	(509)	6.31	(0.59)	3.62	(0.34)	36 1/2"	(927)	9.73	(0.90)
2646	4.16	(0.39)	26"	(660)	23 1/16"	(585)	7.28	(0.68)	4.16	(0.39)	30 1/2"	(775)	10.96	(1.02)
2650	4.70	(0.44)	26"	(660)	26 1/16"	(661)	8.25	(0.77)	4.70	(0.44)	24 1/2"	(622)	12.19	(1.13)
2656	5.24	(0.49)	26"	(660)	29 1/16"	(738)	9.22	(0.86)	5.24	(0.49)	18 1/2"	(470)	13.42	(1.25)
2660 ◊	5.79	(0.54)	26"	(660)	32 1/16"	(814)	10.19	(0.95)	5.79	(0.54)	12 1/2"	(318)	14.65	(1.36)
2666 ◊	6.33	(0.59)	26"	(660)	35 1/16"	(890)	11.16	(1.04)	6.33	(0.59)	6 1/2"	(165)	15.88	(1.48)
2670*	4.52	(0.42)	26"	(660)	25 1/16"	(636)	12.12	(1.13)	4.52	(0.42)	14***	(356)**	17.11	(1.59)
2676*	4.88	(0.45)	26"	(660)	27 1/16"	(687)	13.09	(1.22)	4.88	(0.45)	8***	(203)**	18.34	(1.70)
3020	1.79	(0.17)	32"	(813)	8 1/16"	(204)	3.07	(0.29)	1.79	(0.17)	60 1/2"	(1537)	5.79	(0.54)
3026	2.45	(0.23)	32"	(813)	11 1/16"	(280)	4.28	(0.40)	2.45	(0.23)	54 1/2"	(1384)	7.27	(0.68)
3030	3.12	(0.29)	32"	(813)	14 1/16"	(357)	5.50	(0.51)	3.12	(0.29)	48 1/2"	(1232)	8.75	(0.81)
3036	3.79	(0.35)	32"	(813)	17 1/16"	(433)	6.72	(0.62)	3.79	(0.35)	42 1/2"	(1080)	10.23	(0.95)
3040	4.45	(0.41)	32"	(813)	20 1/16"	(509)	7.94	(0.74)	4.45	(0.41)	36 1/2"	(927)	11.71	(1.09)
3046	5.12	(0.48)	32"	(813)	23 1/16"	(585)	9.16	(0.85)	5.12	(0.48)	30 1/2"	(775)	13.19	(1.23)
3050 ◊	5.79	(0.54)	32"	(813)	26 1/16"	(661)	10.38	(0.96)	5.79	(0.54)	24 1/2"	(622)	14.67	(1.36)
3056 ◊	6.45	(0.60)	32"	(813)	29 1/16"	(738)	11.60	(1.08)	6.45	(0.60)	18 1/2"	(470)	16.15	(1.50)
3060 ◊	7.12	(0.66)	32"	(813)	32 1/16"	(814)	12.82	(1.19)	7.12	(0.66)	12 1/2"	(318)	17.63	(1.64)
3066 ◊	7.79	(0.72)	32"	(813)	35 1/16"	(890)	14.03	(1.30)	7.79	(0.72)	6 1/2"	(165)	19.11	(1.78)
3070*	5.56	(0.52)	32"	(813)	25 1/16"	(636)	15.25	(1.42)	5.56	(0.52)	14***	(356)**	20.59	(1.91)
3076 ◊*	6.01	(0.56)	32"	(813)	27 1/16"	(687)	16.47	(1.53)	6.01	(0.56)	8***	(203)**	22.06	(2.05)
3620	2.12	(0.20)	38"	(965)	8 1/16"	(204)	3.69	(0.34)	2.12	(0.20)	60 1/2"	(1537)	6.77	(0.63)
3626	2.91	(0.27)	38"	(965)	11 1/16"	(280)	5.16	(0.48)	2.91	(0.27)	54 1/2"	(1384)	8.50	(0.79)
3630	3.71	(0.34)	38"	(965)	14 1/16"	(357)	6.63	(0.62)	3.71	(0.34)	48 1/2"	(1232)	10.23	(0.95)
3636	4.50	(0.42)	38"	(965)	17 1/16"	(433)	8.10	(0.75)	4.50	(0.42)	42 1/2"	(1080)	11.96	(1.11)
3640	5.29	(0.49)	38"	(965)	20 1/16"	(509)	9.57	(0.89)	5.29	(0.49)	36 1/2"	(927)	13.69	(1.27)
3646	6.08	(0.57)	38"	(965)	23 1/16"	(585)	11.04	(1.03)	6.08	(0.57)	30 1/2"	(775)	15.42	(1.43)
3650 ◊	6.87	(0.64)	38"	(965)	26 1/16"	(661)	12.51	(1.16)	6.87	(0.64)	24 1/2"	(622)	17.15	(1.59)
3656 ◊	7.66	(0.71)	38"	(965)	29 1/16"	(738)	13.98	(1.30)	7.66	(0.71)	18 1/2"	(470)	18.88	(1.75)
3660 ◊	8.46	(0.79)	38"	(965)	32 1/16"	(814)	15.44	(1.44)	8.46	(0.79)	12 1/2"	(318)	20.61	(1.91)
3666 ◊	9.25	(0.86)	38"	(965)	35 1/16"	(890)	16.91	(1.57)	9.25	(0.86)	6 1/2"	(165)	22.34	(2.08)
3670 ◊*	6.61	(0.61)	38"	(965)	25 1/16"	(636)	18.38	(1.71)	6.61	(0.61)	14***	(356)**	24.06	(2.24)
3676 ◊*	7.14	(0.66)	38"	(965)	27 1/16"	(687)	19.85	(1.84)	7.14	(0.66)	8***	(203)**	25.79	(2.40)
4020	2.46	(0.23)	44"	(1118)	8 1/16"	(204)	4.32	(0.40)	2.46	(0.23)	60 1/2"	(1537)	7.75	(0.72)
4026	3.37	(0.31)	44"	(1118)	11 1/16"	(280)	6.04	(0.56)	3.37	(0.31)	54 1/2"	(1384)	9.73	(0.90)
4030	4.29	(0.40)	44"	(1118)	14 1/16"	(357)	7.76	(0.72)	4.29	(0.40)	48 1/2"	(1232)	11.71	(1.09)
4036	5.21	(0.48)	44"	(1118)	17 1/16"	(433)	9.48	(0.88)	5.21	(0.48)	42 1/2"	(1080)	13.69	(1.27)
4040	6.12	(0.57)	44"	(1118)	20 1/16"	(509)	11.20	(1.04)	6.12	(0.57)	36 1/2"	(927)	15.67	(1.46)
4046	7.04	(0.65)	44"	(1118)	23 1/16"	(585)	12.92	(1.20)	7.04	(0.65)	30 1/2"	(775)	17.65	(1.64)
4050 ◊	7.96	(0.74)	44"	(1118)	26 1/16"	(661)	14.64	(1.36)	7.96	(0.74)	24 1/2"	(622)	19.63	(1.82)
4056 ◊	8.87	(0.82)	44"	(1118)	29 1/16"	(738)	16.35	(1.52)	8.87	(0.82)	18 1/2"	(470)	21.61	(2.01)
4060 ◊	9.79	(0.91)	44"	(1118)	32 1/16"	(814)	18.07	(1.68)	9.79	(0.91)	12 1/2"	(318)	23.59	(2.19)
4066 ◊	10.71	(1.00)	44"	(1118)	35 1/16"	(890)	19.79	(1.84)	10.70	(1.00)	6 1/2"	(165)	25.56	(2.38)
4070 ◊*	7.65	(0.71)	44"	(1118)	25 1/16"	(636)	21.51	(2.00)	7.65	(0.71)	14***	(356)**	27.54	(2.56)
4076 ◊*	8.26	(0.77)	44"	(1118)	27 1/16"	(687)	23.23	(2.16)	8.26	(0.77)	8***	(203)**	29.52	(2.74)

For arch single-hung window specifications, see pages 31 and 33.

For reverse cottage, twin and triple single-hung window specifications, see pages 41, 43 and 45.

* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096) except for XX70 and XX76 heights, which are calculated using a header height of 8' (2438).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).
 * Available only with a 2:1 reverse cottage sash ratio.
 ** Calculated based upon a structural header height of 8' (2438).

SINGLE-HUNG WINDOWS

Table of Sizes - Picture Window With Flanking 16-Wide Single-Hungs

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	5'-11 1/2" (1816)	6'-5 1/2" (1969)	6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)	8'-5 1/2" (2578)
Minimum Rough Opening	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)
Unobstructed Glass (center sash only)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	53 1/4" (1353)	59 1/4" (1505)

11 1/4" (292)	1'-0" (305)	5 1/4" (133)						
1'-5 1/2" (445)	1'-6" (457)	11 1/4" (286)						
1'-11 1/2" (697)	2'-0" (610)	17 1/4" (438)						
3'-11 1/2" (1207)	4'-0" (1219)	41 1/4" (1048)						
4'-5 1/2" (1359)	4'-6" (1372)	47 1/4" (1200)						
4'-11 1/2" (1511)	5'-0" (1524)	53 1/4" (1353)						
5'-5 1/2" (1664)	5'-6" (1676)	59 1/4" (1505)						
5'-11 1/2" (1816)	6'-0" (1829)	65 1/4" (1657)						

Windows have one continuous outer frame.

Unobstructed glass width dimension of flanking sash is 11 1/4" (286). For unobstructed glass height dimensions of flanking single-hungs, see page 32.

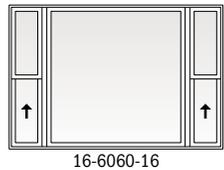
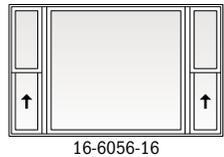
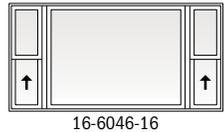
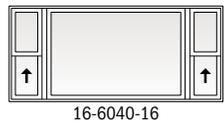
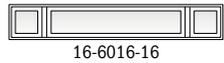
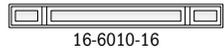
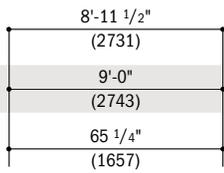
Matching transoms are also shown.

Details shown on pages 50-51.

Grille patterns shown on page 47.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

See notes on previous page.



Single-Hung Window Opening and Area Specifications – 3:2 Reverse Cottage Sash Ratio

Window Number	Clear Opening Area		Clear Opening in Full Open Position		Glass Area	Vent Area	Top of Subfloor to Top of Inside Sill Stop	Overall Window Area
	Sq. Ft./ (m ²)		Width Inches/(mm)	Height Inches/(mm)				
1626	0.88 (0.08)	14" (356)	9 1/16" (230)	1.65 (0.15)	0.88 (0.08)	54 1/2" (1384)	3.59 (0.33)	
1630	1.07 (0.10)	14" (356)	11 1/16" (280)	2.12 (0.20)	1.07 (0.10)	48 1/2" (1232)	4.31 (0.40)	
1636	1.37 (0.13)	14" (356)	14 1/16" (357)	2.59 (0.24)	1.37 (0.13)	42 1/2" (1080)	5.04 (0.47)	
1640	1.56 (0.15)	14" (356)	16 1/16" (407)	3.05 (0.28)	1.56 (0.15)	36 1/2" (927)	5.77 (0.54)	
1646	1.85 (0.17)	14" (356)	19 1/16" (484)	3.52 (0.33)	1.85 (0.17)	30 1/2" (775)	6.50 (0.60)	
1650	2.05 (0.19)	14" (356)	21 1/16" (534)	3.99 (0.37)	2.05 (0.19)	24 1/2" (622)	7.23 (0.67)	
1656	2.24 (0.21)	14" (356)	23 1/16" (585)	4.46 (0.41)	2.24 (0.21)	18 1/2" (470)	7.96 (0.74)	
1660	2.53 (0.24)	14" (356)	26 1/16" (661)	4.93 (0.46)	2.53 (0.24)	12 1/2" (318)	8.69 (0.81)	
1666	2.73 (0.25)	14" (356)	28 1/16" (712)	5.40 (0.50)	2.73 (0.25)	6 1/2" (165)	9.42 (0.88)	
2026	1.26 (0.12)	20" (508)	9 1/16" (230)	2.53 (0.24)	1.26 (0.12)	54 1/2" (1384)	4.81 (0.45)	
2030	1.53 (0.14)	20" (508)	11 1/16" (280)	3.25 (0.30)	1.53 (0.14)	48 1/2" (1232)	5.79 (0.54)	
2036	1.95 (0.18)	20" (508)	14 1/16" (357)	3.96 (0.37)	1.95 (0.18)	42 1/2" (1080)	6.77 (0.63)	
2040	2.23 (0.21)	20" (508)	16 1/16" (407)	4.68 (0.44)	2.23 (0.21)	36 1/2" (927)	7.75 (0.72)	
2046	2.64 (0.25)	20" (508)	19 1/16" (484)	5.40 (0.50)	2.64 (0.25)	30 1/2" (775)	8.73 (0.81)	
2050	2.92 (0.27)	20" (508)	21 1/16" (534)	6.12 (0.57)	2.92 (0.27)	24 1/2" (622)	9.71 (0.90)	
2056	3.20 (0.30)	20" (508)	23 1/16" (585)	6.84 (0.64)	3.20 (0.30)	18 1/2" (470)	10.69 (0.99)	
2060	3.62 (0.34)	20" (508)	26 1/16" (661)	7.56 (0.70)	3.62 (0.34)	12 1/2" (318)	11.67 (1.08)	
2066	3.89 (0.36)	20" (508)	28 1/16" (712)	8.28 (0.77)	3.89 (0.36)	6 1/2" (165)	12.65 (1.18)	
2626	1.63 (0.15)	26" (660)	9 1/16" (230)	3.41 (0.32)	1.63 (0.15)	54 1/2" (1384)	6.04 (0.56)	
2630	1.99 (0.19)	26" (660)	11 1/16" (280)	4.37 (0.41)	1.99 (0.19)	48 1/2" (1232)	7.27 (0.68)	
2636	2.54 (0.24)	26" (660)	14 1/16" (357)	5.34 (0.50)	2.54 (0.24)	42 1/2" (1080)	8.50 (0.79)	
2640	2.90 (0.27)	26" (660)	16 1/16" (407)	6.31 (0.59)	2.90 (0.27)	36 1/2" (927)	9.73 (0.90)	
2646	3.44 (0.32)	26" (660)	19 1/16" (484)	7.28 (0.68)	3.44 (0.32)	30 1/2" (775)	10.96 (1.02)	
2650	3.80 (0.35)	26" (660)	21 1/16" (534)	8.25 (0.77)	3.80 (0.35)	24 1/2" (622)	12.19 (1.13)	
2656	4.16 (0.39)	26" (660)	23 1/16" (585)	9.22 (0.86)	4.16 (0.39)	18 1/2" (470)	13.42 (1.25)	
2660	4.70 (0.44)	26" (660)	26 1/16" (661)	10.19 (0.95)	4.70 (0.44)	12 1/2" (318)	14.65 (1.36)	
2666	5.06 (0.47)	26" (660)	28 1/16" (712)	11.16 (1.04)	5.06 (0.47)	6 1/2" (165)	15.88 (1.48)	
3026	2.01 (0.19)	32" (813)	9 1/16" (230)	4.28 (0.40)	2.01 (0.19)	54 1/2" (1384)	7.27 (0.68)	
3030	2.45 (0.23)	32" (813)	11 1/16" (280)	5.50 (0.51)	2.45 (0.23)	48 1/2" (1232)	8.75 (0.81)	
3036	3.12 (0.29)	32" (813)	14 1/16" (357)	6.72 (0.62)	3.12 (0.29)	42 1/2" (1080)	10.23 (0.95)	
3040	3.56 (0.33)	32" (813)	16 1/16" (407)	7.94 (0.74)	3.56 (0.33)	36 1/2" (927)	11.71 (1.09)	
3046	4.23 (0.39)	32" (813)	19 1/16" (484)	9.16 (0.85)	4.23 (0.39)	30 1/2" (775)	13.19 (1.23)	
3050	4.68 (0.43)	32" (813)	21 1/16" (534)	10.38 (0.96)	4.68 (0.43)	24 1/2" (622)	14.67 (1.36)	
3056	5.12 (0.48)	32" (813)	23 1/16" (585)	11.60 (1.08)	5.12 (0.48)	18 1/2" (470)	16.15 (1.50)	
3060 ◊	5.79 (0.54)	32" (813)	26 1/16" (661)	12.82 (1.19)	5.79 (0.54)	12 1/2" (318)	17.63 (1.64)	
3066 ◊	6.23 (0.58)	32" (813)	28 1/16" (712)	14.03 (1.30)	6.23 (0.58)	6 1/2" (165)	19.11 (1.78)	
3626	2.39 (0.22)	38" (965)	9 1/16" (230)	5.16 (0.48)	2.39 (0.22)	54 1/2" (1384)	8.50 (0.79)	
3630	2.91 (0.27)	38" (965)	11 1/16" (280)	6.63 (0.62)	2.91 (0.27)	48 1/2" (1232)	10.23 (0.95)	
3636	3.71 (0.34)	38" (965)	14 1/16" (357)	8.10 (0.75)	3.71 (0.34)	42 1/2" (1080)	11.96 (1.11)	
3640	4.23 (0.39)	38" (965)	16 1/16" (407)	9.57 (0.89)	4.23 (0.39)	36 1/2" (927)	13.69 (1.27)	
3646	5.02 (0.47)	38" (965)	19 1/16" (484)	11.04 (1.03)	5.02 (0.47)	30 1/2" (775)	15.42 (1.43)	
3650	5.55 (0.52)	38" (965)	21 1/16" (534)	12.51 (1.16)	5.55 (0.52)	24 1/2" (622)	17.15 (1.59)	
3656	6.08 (0.57)	38" (965)	23 1/16" (585)	13.98 (1.30)	6.08 (0.57)	18 1/2" (470)	18.88 (1.75)	
3660 ◊	6.87 (0.64)	38" (965)	26 1/16" (661)	15.44 (1.44)	6.87 (0.64)	12 1/2" (318)	20.61 (1.91)	
3666 ◊	7.40 (0.69)	38" (965)	28 1/16" (712)	16.91 (1.57)	7.40 (0.69)	6 1/2" (165)	22.34 (2.08)	
4026	2.76 (0.26)	44" (1118)	9 1/16" (230)	6.04 (0.56)	2.76 (0.26)	54 1/2" (1384)	9.73 (0.90)	
4030	3.37 (0.31)	44" (1118)	11 1/16" (280)	7.76 (0.72)	3.37 (0.31)	48 1/2" (1232)	11.71 (1.09)	
4036	4.29 (0.40)	44" (1118)	14 1/16" (357)	9.48 (0.88)	4.29 (0.40)	42 1/2" (1080)	13.69 (1.27)	
4040	4.90 (0.46)	44" (1118)	16 1/16" (407)	11.20 (1.04)	4.90 (0.46)	36 1/2" (927)	15.67 (1.46)	
4046	5.82 (0.54)	44" (1118)	19 1/16" (484)	12.92 (1.20)	5.82 (0.54)	30 1/2" (775)	17.65 (1.64)	
4050	6.43 (0.60)	44" (1118)	21 1/16" (534)	14.64 (1.36)	6.43 (0.60)	24 1/2" (622)	19.63 (1.82)	
4056	7.04 (0.65)	44" (1118)	23 1/16" (585)	16.35 (1.52)	7.04 (0.65)	18 1/2" (470)	21.61 (2.01)	
4060 ◊	7.96 (0.74)	44" (1118)	26 1/16" (661)	18.07 (1.68)	7.96 (0.74)	12 1/2" (318)	23.59 (2.19)	
4066 ◊	8.57 (0.80)	44" (1118)	28 1/16" (712)	19.79 (1.84)	8.57 (0.80)	6 1/2" (165)	25.56 (2.38)	

*"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).

*Dimensions in parentheses are in millimeters or square meters.

◊Meets or exceed clear opening area of 5.7 sq.ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

100 Series Single-Hung Windows

SINGLE-HUNG WINDOWS

Table of Sizes - Picture Window With Flanking 20-Wide Single-Hungs

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)	8'-5 1/2" (2578)	8'-11 1/2" (2731)
Minimum Rough Opening	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)
Unobstructed Glass (center sash only)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	53 1/4" (1353)

11 1/2" (292)	1'-0" (305)	5 1/4" (133)					
1'-5 1/2" (445)	1'-6" (457)	11 1/4" (286)					
1'-11 1/2" (597)	2'-0" (610)	17 1/4" (438)					
3'-11 1/2" (1207)	4'-0" (1219)	41 1/4" (1048)					
4'-5 1/2" (1359)	4'-6" (1372)	47 1/4" (1200)					
4'-11 1/2" (1511)	5'-0" (1524)	53 1/4" (1353)					
5'-5 1/2" (1664)	5'-6" (1676)	59 1/4" (1505)					
5'-11 1/2" (1816)	6'-0" (1829)	65 1/4" (1657)					

Windows have one continuous outer frame.

Unobstructed glass width dimension of flanking sash is 17 1/4" (438). For unobstructed glass height dimensions of flanking single-hungs, see page 32.

Matching transoms are also shown.

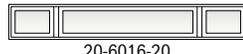
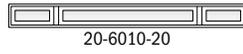
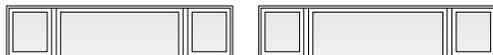
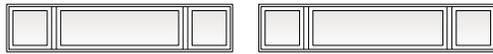
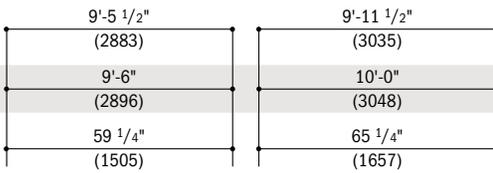
Details shown on pages 50-51.

Grille patterns shown on page 47.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

Notes on previous page also apply to this page.

Twin Single-Hung Window Opening and Area Specifications



Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)				
1620-2	0.78 (0.07)	14" (356)	8 1/16" (204)	2.36 (0.22)	1.56 (0.15)	60 1/2" (1537)	5.79 (0.54)
1626-2	1.07 (0.10)	14" (356)	11 1/16" (280)	3.30 (0.31)	2.15 (0.20)	54 1/2" (1384)	7.27 (0.68)
1630-2	1.37 (0.13)	14" (356)	14 1/16" (357)	4.23 (0.39)	2.73 (0.25)	48 1/2" (1232)	8.75 (0.81)
1636-2	1.66 (0.15)	14" (356)	17 1/16" (433)	5.17 (0.48)	3.31 (0.31)	42 1/2" (1080)	10.23 (0.95)
1640-2	1.95 (0.18)	14" (356)	20 1/16" (509)	6.11 (0.57)	3.90 (0.36)	36 1/2" (927)	11.71 (1.09)
1646-2	2.24 (0.21)	14" (356)	23 1/16" (585)	7.05 (0.66)	4.48 (0.42)	30 1/2" (775)	13.19 (1.23)
1650-2	2.53 (0.24)	14" (356)	26 1/16" (661)	7.98 (0.74)	5.06 (0.47)	24 1/2" (622)	14.67 (1.36)
1656-2	2.82 (0.26)	14" (356)	29 1/16" (738)	8.92 (0.83)	5.65 (0.53)	18 1/2" (470)	16.15 (1.50)
1660-2	3.12 (0.29)	14" (356)	32 1/16" (814)	9.86 (0.92)	6.23 (0.58)	12 1/2" (318)	17.63 (1.64)
2020-2	1.12 (0.10)	20" (508)	8 1/16" (204)	3.62 (0.34)	2.23 (0.21)	60 1/2" (1537)	7.75 (0.72)
2026-2	1.53 (0.14)	20" (508)	11 1/16" (280)	5.05 (0.47)	3.07 (0.29)	54 1/2" (1384)	9.73 (0.90)
2030-2	1.95 (0.18)	20" (508)	14 1/16" (357)	6.49 (0.60)	3.90 (0.36)	48 1/2" (1232)	11.71 (1.09)
2036-2	2.37 (0.22)	20" (508)	17 1/16" (433)	7.93 (0.74)	4.73 (0.44)	42 1/2" (1080)	13.69 (1.27)
2040-2	2.78 (0.26)	20" (508)	20 1/16" (509)	9.37 (0.87)	5.57 (0.52)	36 1/2" (927)	15.67 (1.46)
2046-2	3.20 (0.30)	20" (508)	23 1/16" (585)	10.80 (1.00)	6.40 (0.60)	30 1/2" (775)	17.65 (1.64)
2050-2	3.62 (0.34)	20" (508)	26 1/16" (661)	12.24 (1.14)	7.23 (0.67)	24 1/2" (622)	19.63 (1.82)
2056-2	4.03 (0.38)	20" (508)	29 1/16" (738)	13.68 (1.27)	8.07 (0.75)	18 1/2" (470)	21.61 (2.01)
2060-2	4.45 (0.41)	20" (508)	32 1/16" (814)	15.12 (1.40)	8.90 (0.83)	12 1/2" (318)	23.59 (2.19)
2620-2	1.45 (0.14)	26" (660)	8 1/16" (204)	4.87 (0.45)	2.90 (0.27)	60 1/2" (1537)	9.71 (0.90)
2626-2	1.99 (0.19)	26" (660)	11 1/16" (280)	6.81 (0.63)	3.99 (0.37)	54 1/2" (1384)	12.19 (1.13)
2630-2	2.54 (0.24)	26" (660)	14 1/16" (357)	8.75 (0.81)	5.07 (0.47)	48 1/2" (1232)	14.67 (1.36)
2636-2	3.08 (0.29)	26" (660)	17 1/16" (433)	10.69 (0.99)	6.15 (0.57)	42 1/2" (1080)	17.15 (1.59)
2640-2	3.62 (0.34)	26" (660)	20 1/16" (509)	12.62 (1.17)	7.24 (0.67)	36 1/2" (927)	19.63 (1.82)
2646-2	4.16 (0.39)	26" (660)	23 1/16" (585)	14.56 (1.35)	8.32 (0.77)	30 1/2" (775)	22.11 (2.05)
2650-2	4.70 (0.44)	26" (660)	26 1/16" (661)	16.50 (1.53)	9.40 (0.87)	24 1/2" (622)	24.59 (2.28)
2656-2	5.24 (0.49)	26" (660)	29 1/16" (738)	18.44 (1.71)	10.49 (0.97)	18 1/2" (470)	27.06 (2.51)
2660-2	5.79 (0.54)	26" (660)	32 1/16" (814)	20.37 (1.89)	11.57 (1.08)	12 1/2" (318)	29.54 (2.75)
3020-2	1.79 (0.17)	32" (813)	8 1/16" (204)	6.13 (0.57)	3.57 (0.33)	60 1/2" (1537)	11.67 (1.08)
3026-2	2.45 (0.23)	32" (813)	11 1/16" (280)	8.57 (0.80)	4.91 (0.46)	54 1/2" (1384)	14.65 (1.36)
3030-2	3.12 (0.29)	32" (813)	14 1/16" (357)	11.01 (1.02)	6.24 (0.58)	48 1/2" (1232)	17.63 (1.64)
3036-2	3.79 (0.35)	32" (813)	17 1/16" (433)	13.44 (1.25)	7.57 (0.70)	42 1/2" (1080)	20.61 (1.91)
3040-2	4.45 (0.41)	32" (813)	20 1/16" (509)	15.88 (1.48)	8.91 (0.83)	36 1/2" (927)	23.59 (2.19)
3046-2	5.12 (0.48)	32" (813)	23 1/16" (585)	18.32 (1.70)	10.24 (0.95)	30 1/2" (775)	26.56 (2.47)
3050-2	5.79 (0.54)	32" (813)	26 1/16" (661)	20.76 (1.93)	11.57 (1.08)	24 1/2" (622)	29.54 (2.75)
3056-2	6.45 (0.60)	32" (813)	29 1/16" (738)	23.19 (2.16)	12.91 (1.20)	18 1/2" (470)	32.52 (3.02)
3060-2	7.12 (0.66)	32" (813)	32 1/16" (814)	25.63 (2.38)	14.24 (1.32)	12 1/2" (318)	35.50 (3.30)
3620-2	2.12 (0.20)	38" (965)	8 1/16" (204)	7.39 (0.69)	4.24 (0.39)	60 1/2" (1537)	13.63 (1.27)
3626-2	2.91 (0.27)	38" (965)	11 1/16" (280)	10.33 (0.96)	5.83 (0.54)	54 1/2" (1384)	17.11 (1.59)
3630-2	3.71 (0.34)	38" (965)	14 1/16" (357)	13.26 (1.23)	7.41 (0.69)	48 1/2" (1232)	20.59 (1.91)
3636-2	4.50 (0.42)	38" (965)	17 1/16" (433)	16.20 (1.51)	8.99 (0.84)	42 1/2" (1080)	24.06 (2.24)
3640-2	5.29 (0.49)	38" (965)	20 1/16" (509)	19.14 (1.78)	10.58 (0.98)	36 1/2" (927)	27.54 (2.56)
3646-2	6.08 (0.57)	38" (965)	23 1/16" (585)	22.08 (2.05)	12.16 (1.13)	30 1/2" (775)	31.02 (2.88)
3650-2	6.87 (0.64)	38" (965)	26 1/16" (661)	25.01 (2.32)	13.74 (1.28)	24 1/2" (622)	34.50 (3.21)
3656-2	7.66 (0.71)	38" (965)	29 1/16" (738)	27.95 (2.60)	15.33 (1.42)	18 1/2" (470)	37.98 (3.53)
3660-2	8.46 (0.79)	38" (965)	32 1/16" (814)	30.89 (2.87)	16.91 (1.57)	12 1/2" (318)	41.46 (3.85)
4020-2	2.46 (0.23)	44" (1118)	8 1/16" (204)	8.65 (0.80)	4.91 (0.46)	60 1/2" (1537)	15.59 (1.45)
4026-2	3.37 (0.31)	44" (1118)	11 1/16" (280)	12.08 (1.12)	6.75 (0.63)	54 1/2" (1384)	19.56 (1.82)
4030-2	4.29 (0.40)	44" (1118)	14 1/16" (357)	15.52 (1.44)	8.58 (0.80)	48 1/2" (1232)	23.54 (2.19)
4036-2	5.21 (0.48)	44" (1118)	17 1/16" (433)	18.96 (1.76)	10.41 (0.97)	42 1/2" (1080)	27.52 (2.56)
4040-2	6.12 (0.57)	44" (1118)	20 1/16" (509)	22.40 (2.08)	12.25 (1.14)	36 1/2" (927)	31.50 (2.93)
4046-2	7.04 (0.65)	44" (1118)	23 1/16" (585)	25.83 (2.40)	14.08 (1.31)	30 1/2" (775)	35.48 (3.30)
4050-2	7.96 (0.74)	44" (1118)	26 1/16" (661)	29.27 (2.72)	15.91 (1.48)	24 1/2" (622)	39.46 (3.67)
4056-2	8.87 (0.82)	44" (1118)	29 1/16" (738)	32.71 (3.04)	17.75 (1.65)	18 1/2" (470)	43.44 (4.04)
4060-2	9.79 (0.91)	44" (1118)	32 1/16" (814)	36.15 (3.36)	19.58 (1.82)	12 1/2" (318)	47.42 (4.41)

*"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

100 Series Single-Hung Windows

SINGLE-HUNG WINDOWS

Table of Sizes - Picture Window With Flanking 26-Wide Single-Hungs

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	7'-11 1/2" (2426)	8'-5 1/2" (2578)	8'-11 1/2" (2731)	9'-5 1/2" (2883)	9'-11 1/2" (3035)
Minimum Rough Opening	8'-0" (2438)	8'-6" (2591)	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)
Unobstructed Glass (center sash only)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	53 1/4" (1353)

11 1/2" (292)	1'-0" (305)	5 1/4" (133)					
1'-5 1/2" (445)	1'-6" (457)	11 1/4" (286)	26-3016-26	26-3616-26	26-4016-26	26-4616-26	26-5016-26
1'-11 1/2" (597)	2'-0" (610)	17 1/4" (438)	26-3020-26	26-3620-26	26-4020-26	26-4620-26	26-5020-26
3'-11 1/2" (1207)	4'-0" (1219)	41 1/4" (1048)					
4'-5 1/2" (1359)	4'-6" (1372)	47 1/4" (1200)	26-3046-26	26-3646-26	26-4046-26	26-4646-26	26-5046-26
4'-11 1/2" (1511)	5'-0" (1524)	53 1/4" (1353)	26-3050-26	26-3650-26	26-4050-26	26-4650-26	26-5050-26
5'-5 1/2" (1664)	5'-6" (1676)	59 1/4" (1505)	26-3056-26	26-3656-26	26-4056-26	26-4656-26	26-5056-26
5'-11 1/2" (1816)	6'-0" (1829)	65 1/4" (1657)	26-3060-26 [Ⓟ]	26-3660-26 [Ⓟ]	26-4060-26 [Ⓟ]	26-4660-26 [Ⓟ]	26-5060-26 [Ⓟ]

Windows have one continuous outer frame.

Unobstructed glass width dimension of flanking sash is 23 1/4" (591). For unobstructed glass height dimensions of flanking single-hungs, see page 32.

Matching transoms are also shown.

Details shown on pages 50-51.

Grille patterns shown on page 47.

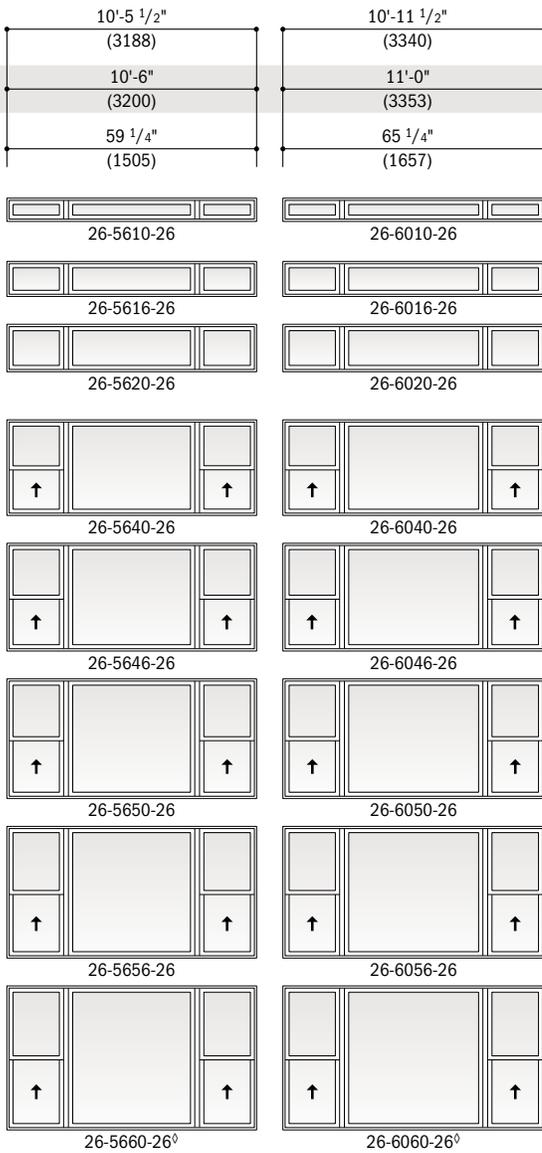
* "Window Dimension" always refers to outside frame-to-frame dimension.

** "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.

• Dimensions in parentheses are in millimeters.

Ⓟ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Notes on previous page also apply to this page.



Triple Single-Hung Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)				
1620-3	0.78 (0.07)	14" (356)	8 1/16" (204)	3.54 (0.33)	2.35 (0.22)	60 1/2" (1537)	8.73 (0.81)
1626-3	1.07 (0.10)	14" (356)	11 1/16" (280)	4.94 (0.46)	3.22 (0.30)	54 1/2" (1384)	10.96 (1.02)
1630-3	1.37 (0.13)	14" (356)	14 1/16" (357)	6.35 (0.59)	4.10 (0.38)	48 1/2" (1232)	13.19 (1.23)
1636-3	1.66 (0.15)	14" (356)	17 1/16" (433)	7.76 (0.72)	4.97 (0.46)	42 1/2" (1080)	15.42 (1.43)
1640-3	1.95 (0.18)	14" (356)	20 1/16" (509)	9.16 (0.85)	5.85 (0.54)	36 1/2" (927)	17.65 (1.64)
1646-3	2.24 (0.21)	14" (356)	23 1/16" (585)	10.57 (0.98)	6.72 (0.62)	30 1/2" (775)	19.88 (1.85)
1650-3	2.53 (0.24)	14" (356)	26 1/16" (661)	11.97 (1.11)	7.60 (0.71)	24 1/2" (622)	22.11 (2.05)
1656-3	2.82 (0.26)	14" (356)	29 1/16" (738)	13.38 (1.24)	8.47 (0.79)	18 1/2" (470)	24.34 (2.26)
1660-3	3.12 (0.29)	14" (356)	32 1/16" (814)	14.79 (1.37)	9.35 (0.87)	12 1/2" (318)	26.56 (2.47)
2020-3	1.12 (0.10)	20" (508)	8 1/16" (204)	5.42 (0.50)	3.35 (0.31)	60 1/2" (1537)	11.67 (1.08)
2026-3	1.53 (0.14)	20" (508)	11 1/16" (280)	7.58 (0.70)	4.60 (0.43)	54 1/2" (1384)	14.65 (1.36)
2030-3	1.95 (0.18)	20" (508)	14 1/16" (357)	9.74 (0.90)	5.85 (0.54)	48 1/2" (1232)	17.63 (1.64)
2036-3	2.37 (0.22)	20" (508)	17 1/16" (433)	11.89 (1.11)	7.10 (0.66)	42 1/2" (1080)	20.61 (1.91)
2040-3	2.78 (0.26)	20" (508)	20 1/16" (509)	14.05 (1.31)	8.35 (0.78)	36 1/2" (927)	23.59 (2.19)
2046-3	3.20 (0.30)	20" (508)	23 1/16" (585)	16.20 (1.51)	9.60 (0.89)	30 1/2" (775)	26.56 (2.47)
2050-3	3.62 (0.34)	20" (508)	26 1/16" (661)	18.36 (1.71)	10.85 (1.01)	24 1/2" (622)	29.54 (2.75)
2056-3	4.03 (0.38)	20" (508)	29 1/16" (738)	20.52 (1.91)	12.10 (1.12)	18 1/2" (470)	32.52 (3.02)
2060-3	4.45 (0.41)	20" (508)	32 1/16" (814)	22.67 (2.11)	13.35 (1.24)	12 1/2" (318)	35.50 (3.30)
2620-3	1.45 (0.14)	26" (660)	8 1/16" (204)	7.31 (0.68)	4.35 (0.41)	60 1/2" (1537)	14.61 (1.36)
2626-3	1.99 (0.19)	26" (660)	11 1/16" (280)	10.22 (0.95)	5.98 (0.56)	54 1/2" (1384)	18.34 (1.70)
2630-3	2.54 (0.24)	26" (660)	14 1/16" (357)	13.12 (1.22)	7.60 (0.71)	48 1/2" (1232)	22.06 (2.05)
2636-3	3.08 (0.29)	26" (660)	17 1/16" (433)	16.03 (1.49)	9.23 (0.86)	42 1/2" (1080)	25.79 (2.40)
2640-3	3.62 (0.34)	26" (660)	20 1/16" (509)	18.93 (1.76)	10.85 (1.01)	36 1/2" (927)	29.52 (2.74)
2646-3	4.16 (0.39)	26" (660)	23 1/16" (585)	21.84 (2.03)	12.48 (1.16)	30 1/2" (775)	33.25 (3.09)
2650-3	4.70 (0.44)	26" (660)	26 1/16" (661)	24.75 (2.30)	14.10 (1.31)	24 1/2" (622)	36.98 (3.44)
2656-3	5.24 (0.49)	26" (660)	29 1/16" (738)	27.65 (2.57)	15.73 (1.46)	18 1/2" (470)	40.71 (3.78)
2660-3	5.79 (0.54)	26" (660)	32 1/16" (814)	30.56 (2.84)	17.35 (1.61)	12 1/2" (318)	44.44 (4.13)
3020-3	1.79 (0.17)	32" (813)	8 1/16" (204)	9.20 (0.85)	5.36 (0.50)	60 1/2" (1537)	17.54 (1.63)
3026-3	2.45 (0.23)	32" (813)	11 1/16" (280)	12.85 (1.19)	7.36 (0.68)	54 1/2" (1384)	22.02 (2.05)
3030-3	3.12 (0.29)	32" (813)	14 1/16" (357)	16.51 (1.53)	9.36 (0.87)	48 1/2" (1232)	26.50 (2.46)
3036-3	3.79 (0.35)	32" (813)	17 1/16" (433)	20.16 (1.87)	11.36 (1.06)	42 1/2" (1080)	30.98 (2.88)
3040-3	4.45 (0.41)	32" (813)	20 1/16" (509)	23.82 (2.21)	13.36 (1.24)	36 1/2" (927)	35.46 (3.29)
3046-3	5.12 (0.48)	32" (813)	23 1/16" (585)	27.48 (2.55)	15.36 (1.43)	30 1/2" (775)	39.94 (3.71)
3050-3	5.79 (0.54)	32" (813)	26 1/16" (661)	31.13 (2.89)	17.36 (1.61)	24 1/2" (622)	44.42 (4.13)
3056-3	6.45 (0.60)	32" (813)	29 1/16" (738)	34.79 (3.23)	19.36 (1.80)	18 1/2" (470)	48.90 (4.54)
3060-3	7.12 (0.66)	32" (813)	32 1/16" (814)	38.45 (3.57)	21.36 (1.98)	12 1/2" (318)	53.38 (4.96)
3620-3	2.12 (0.20)	38" (965)	8 1/16" (204)	11.08 (1.03)	6.36 (0.59)	60 1/2" (1537)	20.48 (1.90)
3626-3	2.91 (0.27)	38" (965)	11 1/16" (280)	15.49 (1.44)	8.74 (0.81)	54 1/2" (1384)	25.71 (2.39)
3630-3	3.71 (0.34)	38" (965)	14 1/16" (357)	19.89 (1.85)	11.11 (1.03)	48 1/2" (1232)	30.94 (2.87)
3636-3	4.50 (0.42)	38" (965)	17 1/16" (433)	24.30 (2.26)	13.49 (1.25)	42 1/2" (1080)	36.17 (3.36)
3640-3	5.29 (0.49)	38" (965)	20 1/16" (509)	28.71 (2.67)	15.86 (1.47)	36 1/2" (927)	41.40 (3.85)
3646-3	6.08 (0.57)	38" (965)	23 1/16" (585)	33.11 (3.08)	18.24 (1.69)	30 1/2" (775)	46.63 (4.33)
3650-3	6.87 (0.64)	38" (965)	26 1/16" (661)	37.52 (3.49)	20.61 (1.92)	24 1/2" (622)	51.86 (4.82)
3656-3	7.66 (0.71)	38" (965)	29 1/16" (738)	41.93 (3.90)	22.99 (2.14)	18 1/2" (470)	57.09 (5.30)
3660-3	8.46 (0.79)	38" (965)	32 1/16" (814)	46.33 (4.30)	25.36 (2.36)	12 1/2" (318)	62.31 (5.79)
4020-3	2.46 (0.23)	44" (1118)	8 1/16" (204)	12.97 (1.21)	7.37 (0.69)	60 1/2" (1537)	23.42 (2.18)
4026-3	3.37 (0.31)	44" (1118)	11 1/16" (280)	18.12 (1.68)	10.12 (0.94)	54 1/2" (1384)	29.40 (2.73)
4030-3	4.29 (0.40)	44" (1118)	14 1/16" (357)	23.28 (2.16)	12.87 (1.20)	48 1/2" (1232)	35.38 (3.29)
4036-3	5.21 (0.48)	44" (1118)	17 1/16" (433)	28.44 (2.64)	15.62 (1.45)	42 1/2" (1080)	41.36 (3.84)
4040-3	6.12 (0.57)	44" (1118)	20 1/16" (509)	33.59 (3.12)	18.37 (1.71)	36 1/2" (927)	47.34 (4.40)
4046-3	7.04 (0.65)	44" (1118)	23 1/16" (585)	38.75 (3.60)	21.12 (1.96)	30 1/2" (775)	53.31 (4.95)
4050-3	7.96 (0.74)	44" (1118)	26 1/16" (661)	43.91 (4.08)	23.87 (2.22)	24 1/2" (622)	59.29 (5.51)
4056-3	8.87 (0.82)	44" (1118)	29 1/16" (738)	49.06 (4.56)	26.62 (2.47)	18 1/2" (470)	65.27 (6.06)
4060-3	9.79 (0.91)	44" (1118)	32 1/16" (814)	54.22 (5.04)	29.37 (2.73)	12 1/2" (318)	71.25 (6.62)

* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

SINGLE-HUNG WINDOWS

Table of Sizes - Picture Window With Flanking 30-Wide Single-Hungs

Notes on next page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	8'-11 1/2" (2731)	9'-5 1/2" (2883)	9'-11 1/2" (3035)	10'-5 1/2" (3188)
Minimum Rough Opening	9'-0" (2743)	9'-6" (2896)	10'-0" (3048)	10'-6" (3200)
Unobstructed Glass (center sash only)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)

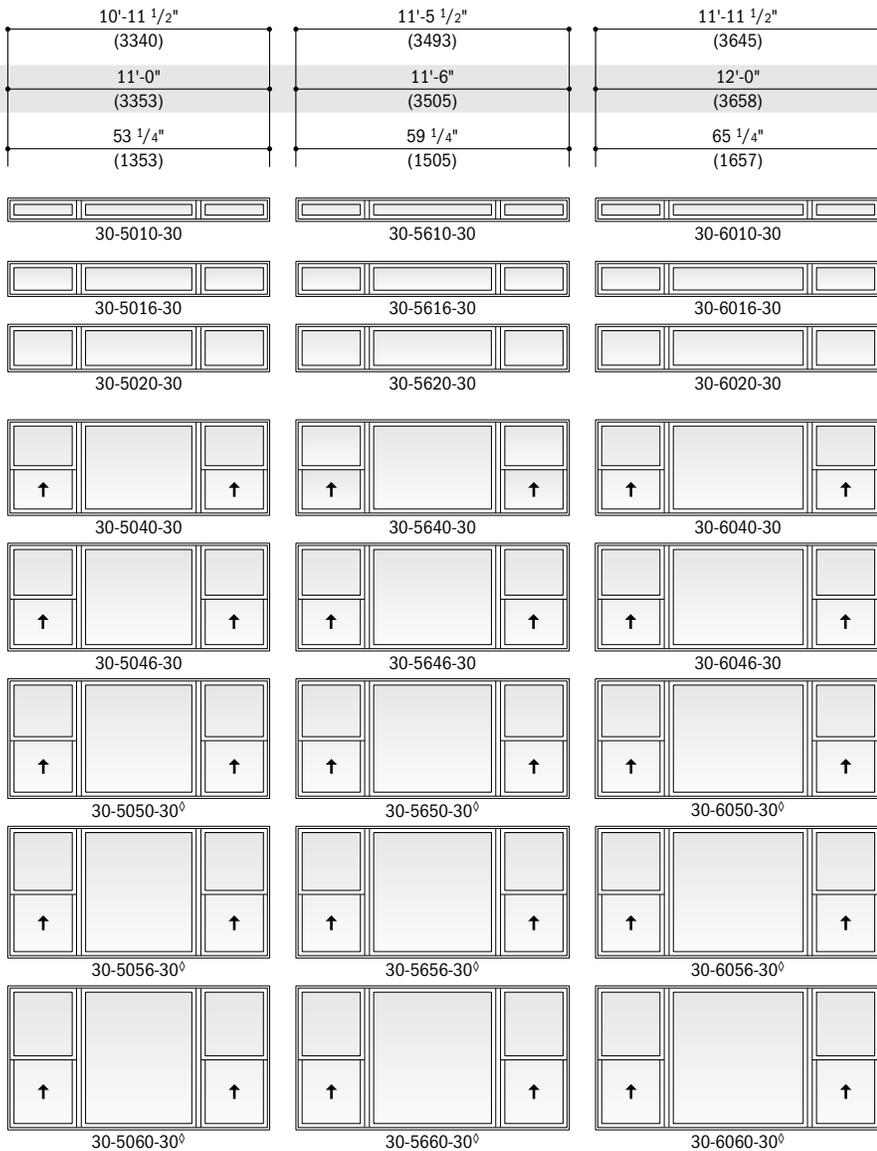
11 1/2" (292)	1'-0" (305)	5 1/4" (133)				
1'-5 1/2" (445)	1'-6" (457)	11 1/4" (286)				
1'-11 1/2" (597)	2'-0" (610)	17 1/4" (438)				
3'-11 1/2" (1207)	4'-0" (1219)	41 1/4" (1048)				
4'-5 1/2" (1359)	4'-6" (1372)	47 1/4" (1200)				
4'-11 1/2" (1511)	5'-0" (1524)	53 1/4" (1353)				
5'-5 1/2" (1664)	5'-6" (1676)	59 1/4" (1505)				
5'-11 1/2" (1816)	6'-0" (1829)	65 1/4" (1657)				

* "Window Dimension" always refers to outside frame-to-frame dimension.

** "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.

• Dimensions in parentheses are in millimeters.

◊ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).



Windows have one continuous outer frame.

Unobstructed glass width dimension of flanking sash is 29 1/4" (743). For unobstructed glass height dimensions of flanking single-hungs, see page 32.

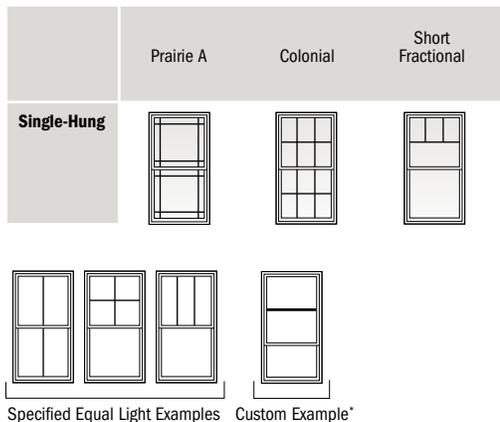
Matching transoms are also shown.

Details shown on pages 50-51.

Grille patterns shown below.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 ** **Minimum Rough Opening** dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 * Dimensions in parentheses are in millimeters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Grille Patterns



Specified Equal Light Examples Custom Example*

Single-hung window patterns are also available in Upper Sash Only (USO) configurations. For picture window patterns that require alignment with single-hung patterns, identify the single-hung sash style (equal or reverse cottage) when ordering.

Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom grille patterns are also available.

For specified equal light, specify number of same-size rectangles across or down. For more information on divided light, see page 13 or visit andersenwindows.com/grilles.

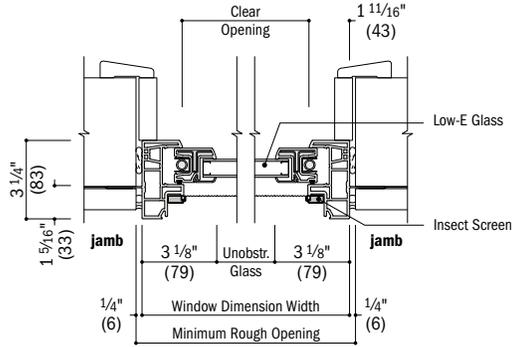
*Grille illustration reflects a window taller than 6'-5 1/2" (1969) with a 2:1 sash ratio.
 * Dimensions in parentheses are in millimeters.

SINGLE-HUNG WINDOWS

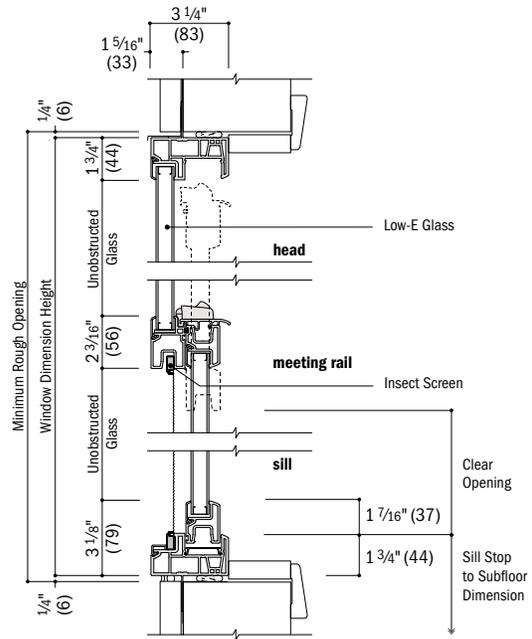
Arch Single-Hung Window Details - New Construction

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

1 3/8" flange setback

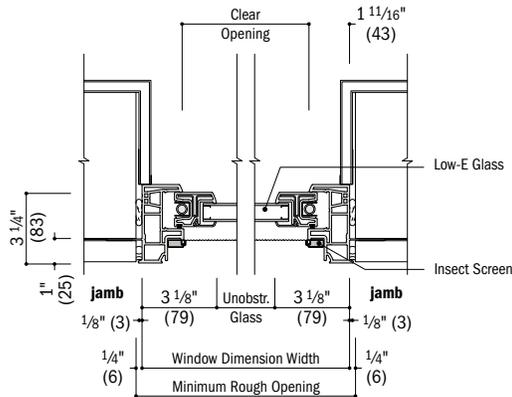


Horizontal Section
Arch Single-Hung

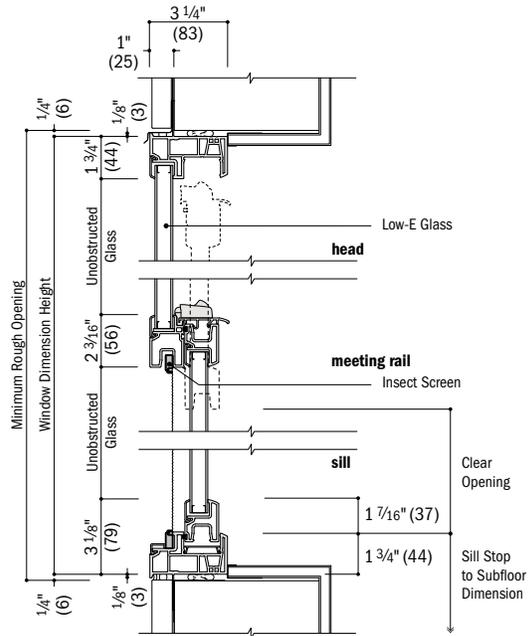


Vertical Section
Arch Single-Hung

1" flange setback with stucco key



Horizontal Section
Arch Single-Hung - Stucco Exterior



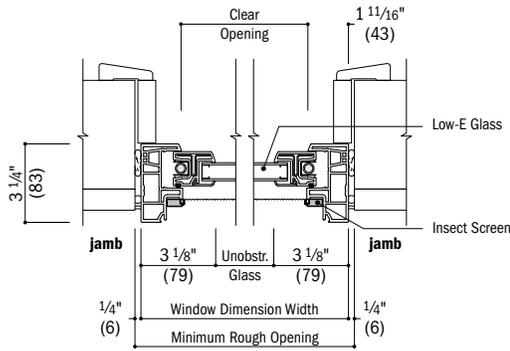
Vertical Section
Arch Single-Hung - Stucco Exterior

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

Arch Single-Hung Window Details – Replacement

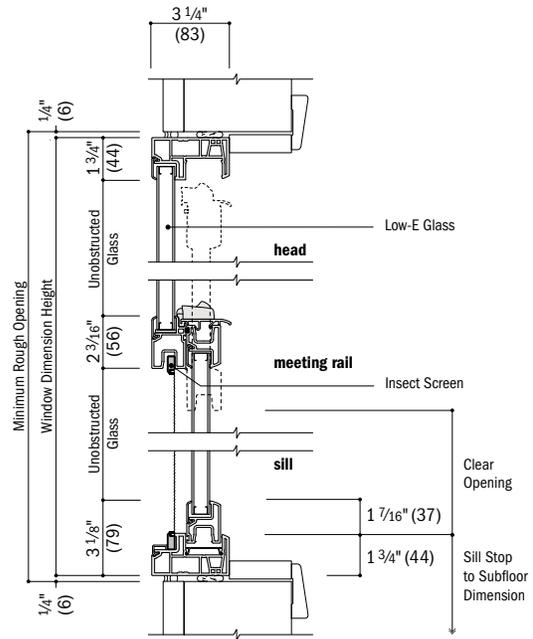
Scale 1 1/2" (38) = 1'-0" (305) – 1:8

no flange



Horizontal Section

Arch Single-Hung - Existing Framed Opening



Vertical Section

Arch Single-Hung - Existing Framed Opening

100 Series Single-Hung Windows

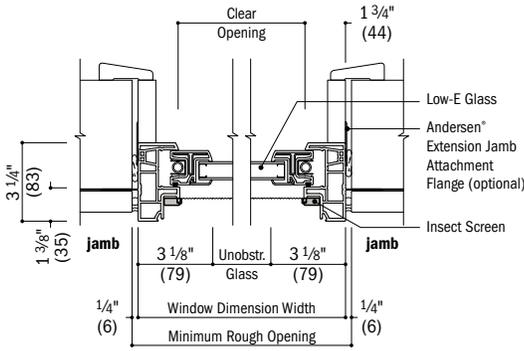
- Drip cap is required to complete window installation as shown but may not be included with the window. Use of drip cap is recommended for proper installation.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

SINGLE-HUNG WINDOWS

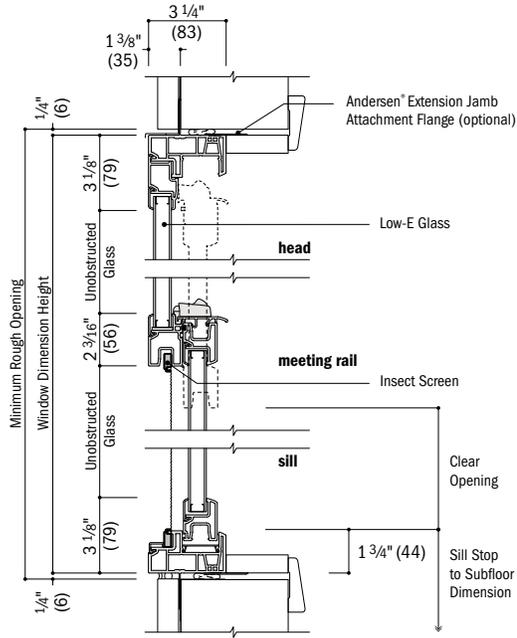
Single-Hung Window Details – New Construction

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

1 3/8" flange setback

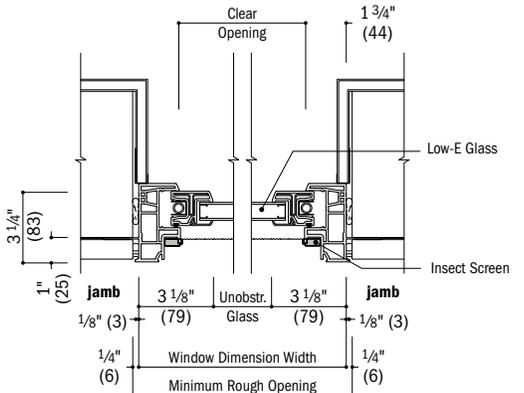


Horizontal Section

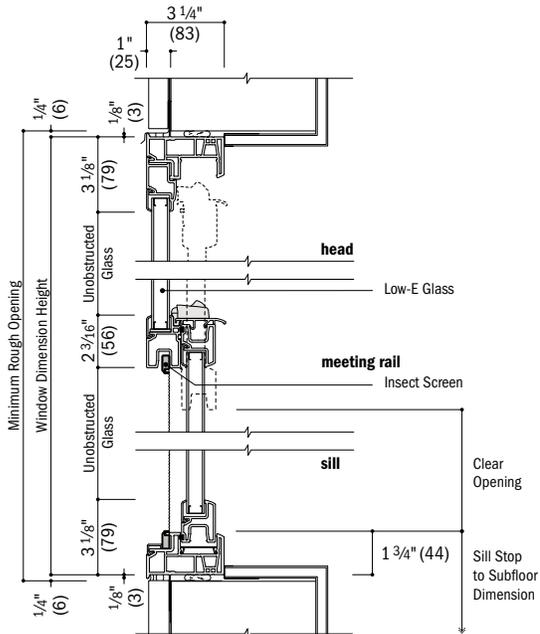


Vertical Section

1" flange setback with stucco key



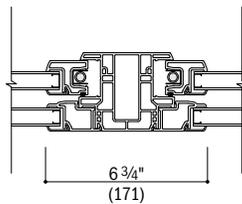
Horizontal Section
Stucco Exterior



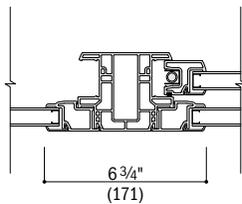
Vertical Section
Stucco Exterior

See pages 84-87 for joining details.

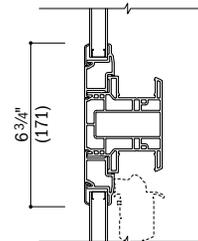
integrals



Horizontal Section
Twin or Triple Single-Hung



Horizontal Section
Picture With Flanking Single-Hung



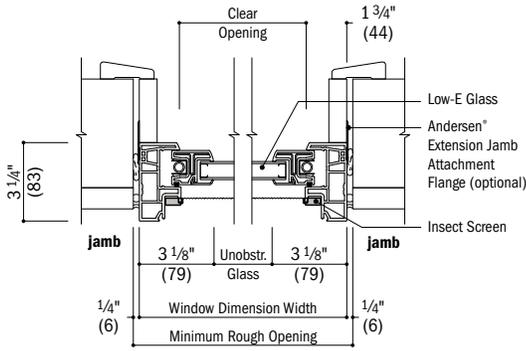
Vertical Section
Transom Over Single-Hung

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

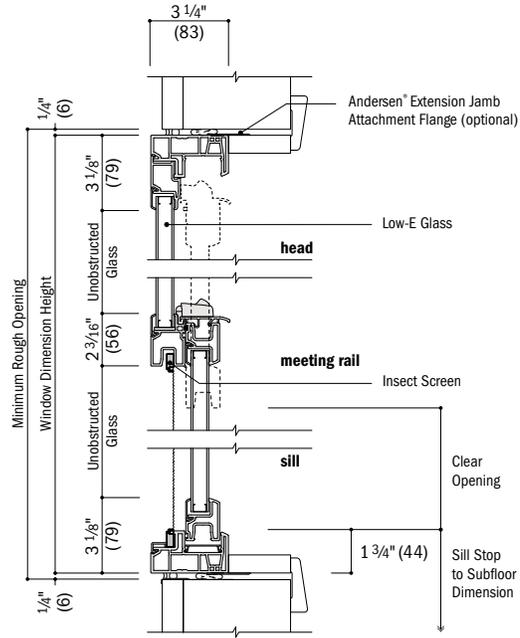
Single-Hung Window Details – Replacement

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

no flange

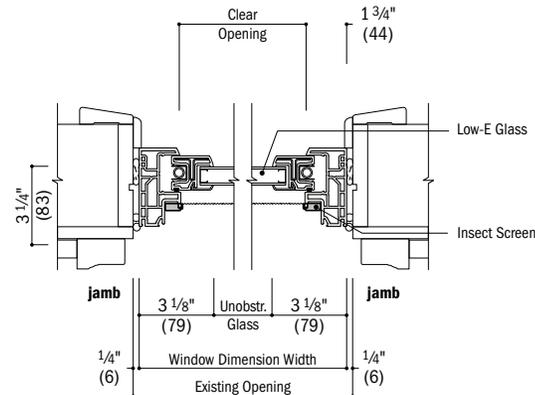


Horizontal Section
Existing Framed Opening

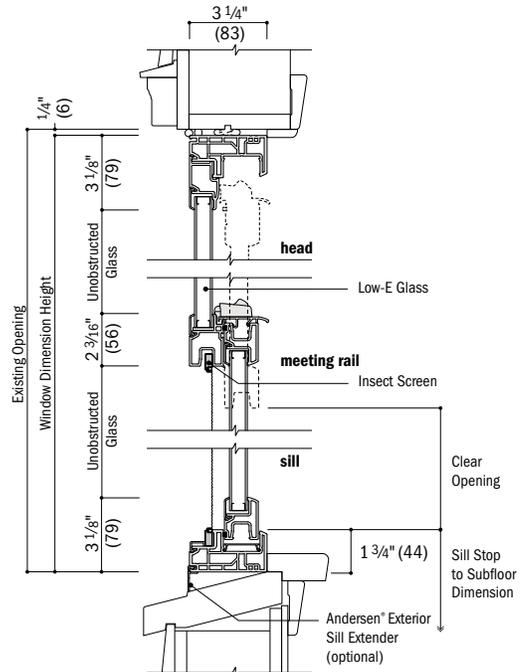


Vertical Section
Existing Framed Opening

insert



Horizontal Section
Existing Window Opening

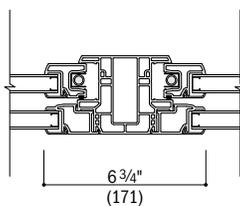


Vertical Section
Existing Window Opening

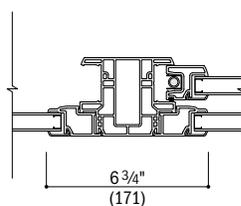
Installation accessories
for insert frame shown on
page 109.

See pages 84-87 for
joining details.

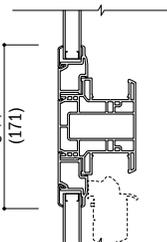
integrals



Horizontal Section
Twin or Triple Single-Hung



Horizontal Section
Picture 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

100 Series Single-Hung
Windows

GLIDING WINDOWS

Table of Gliding Window Sizes – Active-Stationary or Stationary-Active (XO/OX) Sash

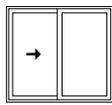
Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
	(597)	(749)	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)
Minimum Rough Opening	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
	(610)	(762)	(914)	(1067)	(1219)	(1372)	(1524)	(1676)	(1829)
Unobstructed Glass (width of single sash)	7 9/16"	10 9/16"	13 9/16"	16 9/16"	19 9/16"	22 9/16"	25 9/16"	28 9/16"	31 9/16"
	(192)	(268)	(344)	(420)	(496)	(573)	(649)	(725)	(801)

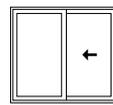
CUSTOM WIDTHS – 23 1/2" to 71 1/2"									
11 1/2"	2010	2610	3010	3610	4010	4610	5010	5610	6010
1'-5 1/2"	2016	2616	3016	3616	4016	4616	5016	5616	6016
1'-11 1/2"	2020	2620	3020	3620	4020	4620	5020	5620	6020
2'-5 1/2"	2026	2626	3026	3626	4026	4626	5026	5626	6026 ^o
2'-11 1/2"	2030	2630	3030	3630	4030	4630	5030 ^o	5630 ^o	6030 ^o
3'-5 1/2"	2036	2636	3036	3636	4036	4636 ^o	5036 ^o	5636 ^o	6036 ^o
3'-11 1/2"	2040	2640	3040	3640	4040 ^o	4640 ^o	5040 ^o	5640 ^o	6040 ^o
4'-5 1/2"	2046	2646	3046	3646	4046 ^o	4646 ^o	5046 ^o	5646 ^o	6046 ^o
4'-11 1/2"	2050	2650	3050	3650	4050 ^o	4650 ^o	5050 ^o	5650 ^o	6050 ^o
5'-5 1/2"	2056	2656	3056	3656	4056 ^o	4656 ^o	5056 ^o	5656 ^o	6056 ^o
5'-11 1/2"	2060	2660	3060	3660	4060 ^o	4660 ^o	5060 ^o	5660 ^o	6060 ^o



Custom-size windows are available in 1/8" (3) increments. See page 90 for custom sizes and specifications.



Active-Stationary



Stationary-Active

Choose active-stationary (XO) or stationary-active (OX) as viewed from the exterior. Two locks are standard on all heights greater than 4'-2" (1270). Details shown on pages 64-65. Grille patterns shown on page 63.

*"Window Dimension" always refers to outside frame-to-frame dimension.

**"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.

• Dimensions in parentheses are in millimeters.

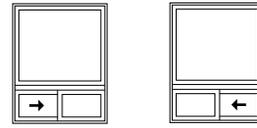
◊Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 58-59.

Table of Sizes – Picture Over Gliding Window With Active-Stationary or Stationary-Active (XO/OX) Sash

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-11 1/2" (902)	3'-11 1/2" (1207)	4'-11 1/2" (1511)	5'-11 1/2" (1816)
Minimum Rough Opening	3'-0" (914)	4'-0" (1219)	5'-0" (1524)	6'-0" (1829)
Unobstructed Glass (upper sash only)	29 1/4" (743)	41 1/4" (1048)	53 1/4" (1353)	65 1/4" (1657)

4'-11 1/2" (1511)	5'-0" (1524)	35 1/4" (895)				
			3036 3016	4036 4016	5036 5016	6036 6016
5'-11 1/2" (1816)	6'-0" (1829)	41 1/4" (1048)				
			3040 3020	4040 4020	5040 5020	6040 6020
6'-11 1/2" (2121)	7'-0" (2134)	53 1/4" (1353)				
			3050 3020	4050 4020	5050 5020	6050 6020



Active-Stationary Stationary-Active

Choose active-stationary (**XO**) or stationary-active (**OX**) as viewed from the exterior. Windows have one continuous outer frame.

For unobstructed glass dimensions of lower sash, see page 52.

Details shown on pages 64-65.

Grille patterns shown on page 63.

- "Window Dimension" always refers to outside frame-to-frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- Dimensions in parentheses are in millimeters.

GLIDING WINDOWS

Table Gliding Window Sizes – Active-Stationary-Active (XOX) 1:2:1 Sash Ratio

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on next page also apply to this page.

Window Dimension	4'-11 1/2" (1511)	5'-11 1/2" (1816)	6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)	8'-5 1/2" (2578)
Minimum Rough Opening	5'-0" (1524)	6'-0" (1829)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	8'-6" (2591)
Unobstructed Glass (width of center sash)	27 7/8" (708)	33 7/8" (861)	39 7/8" (1013)	42 7/8" (1089)	45 7/8" (1165)	48 7/8" (1242)
Unobstructed Glass (width of single venting sash)	10 17/32" (267)	13 17/32" (344)	16 17/32" (420)	18 17/32" (458)	19 17/32" (496)	21 17/32" (534)

CUSTOM WIDTHS – 59 1/2" to 143 1/2"

CUSTOM HEIGHTS – 17 1/2" to 71 1/2"	CUSTOM WIDTHS – 59 1/2" to 143 1/2"					
	5016	6016	7016	7616	8016	8616
1'-5 1/2" (445)						
1'-11 1/2" (597)						
2'-5 1/2" (749)						
2'-11 1/2" (902)						
3'-5 1/2" (1054)						
3'-11 1/2" (1207)						
4'-5 1/2" (1359)						
4'-11 1/2" (1511)						
5'-5 1/2" (1664)						
5'-11 1/2" (1816)						

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 60-61.

8'-11 1/2" (2731)	9'-11 1/2" (3035)	10'-11 1/2" (3340)	11'-11 1/2" (3645)
9'-0" (2743)	10'-0" (3048)	11'-0" (3353)	12'-0" (3658)
51 7/8" (1318)	57 7/8" (1470)	63 7/8" (1623)	69 7/8" (1775)
22 17/32" (572)	25 17/32" (648)	28 17/32" (725)	31 17/32" (801)



Custom-size windows are available in 1/8" (3) increments. See page 90 for custom sizes and specifications.

9016	10016	11016	12016
9020	10020	11020	12020
9026	10026	11026	12026 ^o
9030	10030	11030 ^o	12030 ^o
9036 ^o	10036 ^o	11036 ^o	12036 ^o
9040 ^o	10040 ^o	11040 ^o	12040 ^o
9046 ^o	10046 ^o	11046 ^o	12046 ^o
9050 ^o	10050 ^o	11050 ^o	12050 ^o
9056 ^o	10056 ^o	11056 ^o	12056 ^o
9060 ^o	10060 ^o	11060 ^o	12060 ^o



Active-Stationary-Active

Exterior view shown. Sash configuration is active-stationary-active (XOX) with a 1:2:1 sash ratio. Two locks for each sash are standard on all heights greater than 4'-2" (1270).

Details shown on pages 64-65. Grille patterns shown on page 63.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 60-61.

GLIDING WINDOWS

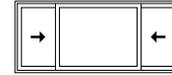
Table of Sizes – Picture Window Over Gliding With Active-Stationary-Active (XOX) 1:2:1 Sash Ratio

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	5'-11 1/2" (1816)	6'-11 1/2" (2121)	7'-11 1/2" (2426)	8'-11 1/2" (2731)
Minimum Rough Opening	6'-0" (1829)	7'-0" (2134)	8'-0" (2438)	9'-0" (2743)
Unobstructed Glass (upper sash only)	65 1/4" (1657)	77 1/4" (1962)	89 1/4" (2267)	101 1/4" (2572)

4'-11 1/2" (1511)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)	5'-0" (1524)
	35 1/4" (895)	35 1/4" (895)	35 1/4" (895)	35 1/4" (895)
5'-11 1/2" (1816)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)	6'-0" (1829)
	41 1/4" (1048)	41 1/4" (1048)	41 1/4" (1048)	41 1/4" (1048)
6'-11 1/2" (2121)	7'-0" (2134)	7'-0" (2134)	7'-0" (2134)	7'-0" (2134)
	53 1/4" (1353)	53 1/4" (1353)	53 1/4" (1353)	53 1/4" (1353)

6036 6016	7036 7016	8036 8016	9036 9016
6040 6020	7040 7020	8040 8020	9040 9020
6050 6020	7050 7020	8050 8020	9050 9020



Active-Stationary-Active

Exterior view shown. Lower sash configuration is active-stationary-active (XOX) with a 1:2:1 sash ratio. Windows have one continuous outer frame.

For unobstructed glass dimensions of lower sash, see pages 54-55.

Details shown on pages 64-65.

Grille patterns shown on page 63.

* "Window Dimension" always refers to outside frame-to-frame dimension.

* "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.

* Dimensions in parentheses are in millimeters.

Table of Gliding Window Sizes – Active-Stationary-Active (XOX) 1:1:1 Equal Sash Ratio

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	3'-11 1/2"	4'-11 1/2"	5'-11 1/2"	6'-11 1/2"	7'-5 1/2"	7'-11 1/2"	8'-5 1/2"
	(1207)	(1511)	(1816)	(2121)	(2273)	(2426)	(2578)
Minimum Rough Opening	4'-0"	5'-0"	6'-0"	7'-0"	7'-6"	8'-0"	8'-6"
	(1219)	(1524)	(1829)	(2134)	(2286)	(2438)	(2591)
Unobstructed Glass (width of center sash)	12 11/32"	16 11/32"	20 11/32"	24 11/32"	26 11/32"	28 11/32"	30 11/32"
	(313)	(415)	(517)	(618)	(669)	(720)	(771)
Unobstructed Glass (width of single venting sash)	12 9/32"	16 9/32"	20 9/32"	24 9/32"	26 9/32"	28 9/32"	30 9/32"
	(312)	(414)	(516)	(617)	(668)	(719)	(770)

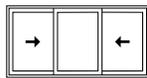
CUSTOM WIDTHS – 47 1/2" to 101 1/2"

CUSTOM HEIGHTS – 17 1/2" to 71 1/2"

Window Dimension	4016	5016	6016	7016	7616	8016	8616
1'-5 1/2"							
1'-11 1/2"							
2'-5 1/2"							
2'-11 1/2"							
3'-5 1/2"							
3'-11 1/2"							
4'-5 1/2"							
4'-11 1/2"							
5'-5 1/2"							
5'-11 1/2"							



Custom-size windows are available in 1/8" (3) increments. See page 90 for custom sizes and specifications.



Active-Stationary-Active

Exterior view shown. Sash configuration is active-stationary-active (XOX) with a 1:1:1 equal sash ratio. Two locks are standard on all heights greater than 4'-2" (1270). Grille patterns shown on page 63.

*"Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.
 ◊Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). See table on pages 62-63.

100 Series Gliding Windows

GLIDING WINDOWS

Gliding Window Opening and Area Specifications – Active-Stationary or Stationary-Active (XO/OX) Sash

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Total Glass Area Sq. Ft./ (m ²)	Fixed Sash Glass Area Sq. Ft./ (m ²)	Active Sash Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop		Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)					Inches/(mm)	Inches/(mm)	
2010	0.45 (0.04)	8 1/16" (204)	8" (203)	0.55 (0.05)	0.28 (0.03)	0.27 (0.03)	0.45 (0.04)	72 1/2" (1842)	1.88 (0.17)	
2016	0.78 (0.07)	8 1/16" (204)	14" (356)	1.18 (0.11)	0.59 (0.05)	0.59 (0.05)	0.78 (0.07)	66 1/2" (1689)	2.86 (0.27)	
2020	1.12 (0.10)	8 1/16" (204)	20" (508)	1.81 (0.17)	0.91 (0.08)	0.90 (0.08)	1.12 (0.10)	60 1/2" (1537)	3.84 (0.36)	
2026	1.45 (0.13)	8 1/16" (204)	26" (660)	2.44 (0.23)	1.22 (0.11)	1.21 (0.11)	1.45 (0.13)	54 1/2" (1384)	4.81 (0.45)	
2030	1.79 (0.17)	8 1/16" (204)	32" (813)	3.07 (0.28)	1.54 (0.14)	1.53 (0.14)	1.79 (0.17)	48 1/2" (1232)	5.79 (0.54)	
2036	2.12 (0.20)	8 1/16" (204)	38" (965)	3.69 (0.34)	1.85 (0.17)	1.84 (0.17)	2.12 (0.20)	42 1/2" (1080)	6.77 (0.63)	
2040	2.46 (0.23)	8 1/16" (204)	44" (1118)	4.32 (0.40)	2.17 (0.20)	2.16 (0.20)	2.46 (0.23)	36 1/2" (927)	7.75 (0.72)	
2046	2.79 (0.26)	8 1/16" (204)	50" (1270)	4.95 (0.46)	2.48 (0.23)	2.47 (0.23)	2.79 (0.26)	30 1/2" (775)	8.73 (0.81)	
2050	3.13 (0.29)	8 1/16" (204)	56" (1422)	5.58 (0.52)	2.80 (0.26)	2.78 (0.26)	3.13 (0.29)	24 1/2" (622)	9.71 (0.90)	
2056	3.46 (0.32)	8 1/16" (204)	62" (1575)	6.21 (0.58)	3.11 (0.29)	3.10 (0.29)	3.46 (0.32)	18 1/2" (470)	10.69 (0.99)	
2060	3.80 (0.35)	8 1/16" (204)	68" (1727)	6.84 (0.64)	3.43 (0.32)	3.41 (0.32)	3.80 (0.35)	12 1/2" (318)	11.67 (1.08)	
2610	0.61 (0.06)	11 1/16" (280)	8" (203)	0.77 (0.07)	0.39 (0.04)	0.38 (0.04)	0.61 (0.06)	72 1/2" (1842)	2.36 (0.22)	
2616	1.07 (0.10)	11 1/16" (280)	14" (356)	1.65 (0.15)	0.83 (0.08)	0.82 (0.08)	1.07 (0.10)	66 1/2" (1689)	3.59 (0.33)	
2620	1.53 (0.14)	11 1/16" (280)	20" (508)	2.53 (0.23)	1.27 (0.12)	1.26 (0.12)	1.53 (0.14)	60 1/2" (1537)	4.81 (0.45)	
2626	1.99 (0.19)	11 1/16" (280)	26" (660)	3.41 (0.32)	1.71 (0.16)	1.70 (0.16)	1.99 (0.19)	54 1/2" (1384)	6.04 (0.56)	
2630	2.45 (0.23)	11 1/16" (280)	32" (813)	4.28 (0.40)	2.15 (0.20)	2.14 (0.20)	2.45 (0.23)	48 1/2" (1232)	7.27 (0.68)	
2636	2.91 (0.27)	11 1/16" (280)	38" (965)	5.16 (0.48)	2.59 (0.24)	2.58 (0.24)	2.91 (0.27)	42 1/2" (1080)	8.50 (0.79)	
2640	3.37 (0.31)	11 1/16" (280)	44" (1118)	6.04 (0.56)	3.03 (0.28)	3.01 (0.28)	3.37 (0.31)	36 1/2" (927)	9.73 (0.90)	
2646	3.83 (0.36)	11 1/16" (280)	50" (1270)	6.92 (0.64)	3.47 (0.32)	3.45 (0.32)	3.83 (0.36)	30 1/2" (775)	10.96 (1.02)	
2650	4.29 (0.40)	11 1/16" (280)	56" (1422)	7.80 (0.72)	3.91 (0.36)	3.89 (0.36)	4.29 (0.40)	24 1/2" (622)	12.19 (1.13)	
2656	4.75 (0.44)	11 1/16" (280)	62" (1575)	8.68 (0.81)	4.35 (0.40)	4.33 (0.40)	4.75 (0.44)	18 1/2" (470)	13.42 (1.25)	
2660	5.21 (0.48)	11 1/16" (280)	68" (1727)	9.56 (0.89)	4.79 (0.44)	4.77 (0.44)	5.21 (0.48)	12 1/2" (318)	14.65 (1.36)	
3010	0.78 (0.07)	14 1/16" (357)	8" (203)	0.99 (0.09)	0.49 (0.05)	0.49 (0.05)	0.78 (0.07)	72 1/2" (1842)	2.84 (0.26)	
3016	1.36 (0.13)	14 1/16" (357)	14" (356)	2.12 (0.20)	1.06 (0.10)	1.06 (0.10)	1.36 (0.13)	66 1/2" (1689)	4.31 (0.40)	
3020	1.95 (0.18)	14 1/16" (357)	20" (508)	3.25 (0.30)	1.63 (0.15)	1.62 (0.15)	1.95 (0.18)	60 1/2" (1537)	5.79 (0.54)	
3026	2.53 (0.24)	14 1/16" (357)	26" (660)	4.37 (0.41)	2.19 (0.20)	2.18 (0.20)	2.53 (0.24)	54 1/2" (1384)	7.27 (0.68)	
3030	3.12 (0.29)	14 1/16" (357)	32" (813)	5.50 (0.51)	2.76 (0.26)	2.75 (0.26)	3.12 (0.29)	48 1/2" (1232)	8.75 (0.81)	
3036	3.70 (0.34)	14 1/16" (357)	38" (965)	6.63 (0.62)	3.32 (0.31)	3.31 (0.31)	3.70 (0.34)	42 1/2" (1080)	10.23 (0.95)	
3040	4.29 (0.40)	14 1/16" (357)	44" (1118)	7.76 (0.72)	3.89 (0.36)	3.87 (0.36)	4.29 (0.40)	36 1/2" (927)	11.71 (1.09)	
3046	4.87 (0.45)	14 1/16" (357)	50" (1270)	8.89 (0.83)	4.45 (0.41)	4.44 (0.41)	4.87 (0.45)	30 1/2" (775)	13.19 (1.23)	
3050	5.46 (0.51)	14 1/16" (357)	56" (1422)	10.02 (0.93)	5.02 (0.47)	5.00 (0.46)	5.46 (0.51)	24 1/2" (622)	14.67 (1.36)	
3056	6.04 (0.56)	14 1/16" (357)	62" (1575)	11.15 (1.04)	5.58 (0.52)	5.56 (0.52)	6.04 (0.56)	18 1/2" (470)	16.15 (1.50)	
3060	6.63 (0.62)	14 1/16" (357)	68" (1727)	12.28 (1.14)	6.15 (0.57)	6.13 (0.57)	6.63 (0.62)	12 1/2" (318)	17.63 (1.64)	
3610	0.95 (0.09)	17 1/16" (433)	8" (203)	1.21 (0.11)	0.60 (0.06)	0.60 (0.06)	0.95 (0.09)	72 1/2" (1842)	3.31 (0.31)	
3616	1.66 (0.15)	17 1/16" (433)	14" (356)	2.59 (0.24)	1.29 (0.12)	1.29 (0.12)	1.66 (0.15)	66 1/2" (1689)	5.04 (0.47)	
3620	2.37 (0.22)	17 1/16" (433)	20" (508)	3.96 (0.37)	1.98 (0.18)	1.98 (0.18)	2.37 (0.22)	60 1/2" (1537)	6.77 (0.63)	
3626	3.08 (0.29)	17 1/16" (433)	26" (660)	5.34 (0.50)	2.67 (0.25)	2.67 (0.25)	3.08 (0.29)	54 1/2" (1384)	8.50 (0.79)	
3630	3.79 (0.35)	17 1/16" (433)	32" (813)	6.72 (0.62)	3.36 (0.31)	3.36 (0.31)	3.79 (0.35)	48 1/2" (1232)	10.23 (0.95)	
3636	4.50 (0.42)	17 1/16" (433)	38" (965)	8.10 (0.75)	4.06 (0.38)	4.04 (0.38)	4.50 (0.42)	42 1/2" (1080)	11.96 (1.11)	
3640	5.21 (0.48)	17 1/16" (433)	44" (1118)	9.48 (0.88)	4.75 (0.44)	4.73 (0.44)	5.21 (0.48)	36 1/2" (927)	13.69 (1.27)	
3646	5.92 (0.55)	17 1/16" (433)	50" (1270)	10.86 (1.01)	5.44 (0.50)	5.42 (0.50)	5.92 (0.55)	30 1/2" (775)	15.42 (1.43)	
3650	6.63 (0.62)	17 1/16" (433)	56" (1422)	12.24 (1.14)	6.13 (0.57)	6.11 (0.57)	6.63 (0.62)	24 1/2" (622)	17.15 (1.59)	
3656	7.34 (0.68)	17 1/16" (433)	62" (1575)	13.62 (1.26)	6.82 (0.63)	6.80 (0.63)	7.34 (0.68)	18 1/2" (470)	18.88 (1.75)	
3660	8.05 (0.75)	17 1/16" (433)	68" (1727)	14.99 (1.39)	7.51 (0.70)	7.49 (0.70)	8.05 (0.75)	12 1/2" (318)	20.61 (1.91)	
4010	1.11 (0.10)	20 1/16" (509)	8" (203)	1.43 (0.13)	0.71 (0.07)	0.71 (0.07)	1.11 (0.10)	72 1/2" (1842)	3.79 (0.35)	
4016	1.95 (0.18)	20 1/16" (509)	14" (356)	3.05 (0.28)	1.53 (0.14)	1.53 (0.14)	1.95 (0.18)	66 1/2" (1689)	5.77 (0.54)	
4020	2.78 (0.26)	20 1/16" (509)	20" (508)	4.68 (0.44)	2.34 (0.22)	2.34 (0.22)	2.78 (0.26)	60 1/2" (1537)	7.75 (0.72)	
4026	3.62 (0.34)	20 1/16" (509)	26" (660)	6.31 (0.59)	3.16 (0.29)	3.15 (0.29)	3.62 (0.34)	54 1/2" (1384)	9.73 (0.90)	
4030	4.45 (0.41)	20 1/16" (509)	32" (813)	7.94 (0.74)	3.97 (0.37)	3.97 (0.37)	4.45 (0.41)	48 1/2" (1232)	11.71 (1.09)	
4036	5.29 (0.49)	20 1/16" (509)	38" (965)	9.57 (0.89)	4.79 (0.44)	4.78 (0.44)	5.29 (0.49)	42 1/2" (1080)	13.69 (1.27)	
4040 ◊	6.12 (0.57)	20 1/16" (509)	44" (1118)	11.20 (1.04)	5.60 (0.52)	5.59 (0.52)	6.12 (0.57)	36 1/2" (927)	15.67 (1.46)	
4046 ◊	6.96 (0.65)	20 1/16" (509)	50" (1270)	12.83 (1.19)	6.42 (0.60)	6.41 (0.60)	6.96 (0.65)	30 1/2" (775)	17.65 (1.64)	
4050 ◊	7.79 (0.72)	20 1/16" (509)	56" (1422)	14.46 (1.34)	7.24 (0.67)	7.22 (0.67)	7.79 (0.72)	24 1/2" (622)	19.63 (1.82)	
4056 ◊	8.63 (0.80)	20 1/16" (509)	62" (1575)	16.08 (1.49)	8.05 (0.75)	8.03 (0.75)	8.63 (0.80)	18 1/2" (470)	21.61 (2.01)	
4060 ◊	9.46 (0.88)	20 1/16" (509)	68" (1727)	17.71 (1.65)	8.87 (0.82)	8.85 (0.82)	9.46 (0.88)	12 1/2" (318)	23.59 (2.19)	
4610	1.28 (0.12)	23 1/16" (585)	8" (203)	1.64 (0.15)	0.82 (0.08)	0.82 (0.08)	1.28 (0.12)	72 1/2" (1842)	4.27 (0.40)	
4616	2.24 (0.21)	23 1/16" (585)	14" (356)	3.52 (0.33)	1.76 (0.16)	1.76 (0.16)	2.24 (0.21)	66 1/2" (1689)	6.50 (0.60)	
4620	3.20 (0.30)	23 1/16" (585)	20" (508)	5.40 (0.50)	2.70 (0.25)	2.70 (0.25)	3.20 (0.30)	60 1/2" (1537)	8.73 (0.81)	

Top of Subfloor to Top of Inside Sill Stop is calculated based upon a structural header height of 6'-10 1/2" (2096).

continued on next page

◊ Dimensions in parentheses are in millimeters or square meters.

◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m²; clear opening width of 20" (508) and clear opening height of 24" (610).

Gliding Window Opening and Area Specifications – Active-Stationary or Stationary-Active (XO/OX) Sash *(continued)*

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Total Glass Area Sq. Ft./ (m ²)	Fixed Sash Glass Area Sq. Ft./ (m ²)	Active Sash Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)						
4626	4.16 (0.39)	23 1/16" (585)	26" (660)	7.28 (0.68)	3.64 (0.34)	3.64 (0.34)	4.16 (0.39)	54 1/2" (1384)	10.96 (1.02)
4630	5.12 (0.48)	23 1/16" (585)	32" (813)	9.16 (0.85)	4.58 (0.43)	4.58 (0.43)	5.12 (0.48)	48 1/2" (1232)	13.19 (1.23)
4636 ◊	6.08 (0.56)	23 1/16" (585)	38" (965)	11.04 (1.03)	5.52 (0.51)	5.51 (0.51)	6.08 (0.56)	42 1/2" (1080)	15.42 (1.43)
4640 ◊	7.04 (0.65)	23 1/16" (585)	44" (1118)	12.92 (1.20)	6.46 (0.60)	6.45 (0.60)	7.04 (0.65)	36 1/2" (927)	17.65 (1.64)
4646 ◊	8.00 (0.74)	23 1/16" (585)	50" (1270)	14.80 (1.37)	7.40 (0.69)	7.39 (0.69)	8.00 (0.74)	30 1/2" (775)	19.88 (1.85)
4650 ◊	8.96 (0.83)	23 1/16" (585)	56" (1422)	16.67 (1.55)	8.34 (0.78)	8.33 (0.77)	8.96 (0.83)	24 1/2" (622)	22.11 (2.05)
4656 ◊	9.92 (0.92)	23 1/16" (585)	62" (1575)	18.55 (1.72)	9.28 (0.86)	9.27 (0.86)	9.92 (0.92)	18 1/2" (470)	24.34 (2.26)
4660 ◊	10.88 (1.01)	23 1/16" (585)	68" (1727)	20.43 (1.90)	10.23 (0.95)	10.21 (0.95)	10.88 (1.01)	12 1/2" (318)	26.56 (2.47)
5010	1.45 (0.13)	26 1/16" (661)	8" (203)	1.86 (0.17)	0.93 (0.09)	0.93 (0.09)	1.45 (0.13)	72 1/2" (1842)	4.75 (0.44)
5016	2.53 (0.24)	26 1/16" (661)	14" (356)	3.99 (0.37)	2.00 (0.19)	1.99 (0.19)	2.53 (0.24)	66 1/2" (1689)	7.23 (0.67)
5020	3.62 (0.34)	26 1/16" (661)	20" (508)	6.12 (0.57)	3.06 (0.28)	3.06 (0.28)	3.62 (0.34)	60 1/2" (1537)	9.71 (0.90)
5026	4.70 (0.44)	26 1/16" (661)	26" (660)	8.25 (0.77)	4.13 (0.38)	4.12 (0.38)	4.70 (0.44)	54 1/2" (1384)	12.19 (1.13)
5030 ◊	5.79 (0.54)	26 1/16" (661)	32" (813)	10.38 (0.96)	5.19 (0.48)	5.18 (0.48)	5.79 (0.54)	48 1/2" (1232)	14.67 (1.36)
5036 ◊	6.87 (0.64)	26 1/16" (661)	38" (965)	12.51 (1.16)	6.26 (0.58)	6.25 (0.58)	6.87 (0.64)	42 1/2" (1080)	17.15 (1.59)
5040 ◊	7.96 (0.74)	26 1/16" (661)	44" (1118)	14.64 (1.36)	7.32 (0.68)	7.31 (0.68)	7.96 (0.74)	36 1/2" (927)	19.63 (1.82)
5046 ◊	9.04 (0.84)	26 1/16" (661)	50" (1270)	16.76 (1.56)	8.39 (0.78)	8.38 (0.78)	9.04 (0.84)	30 1/2" (775)	22.11 (2.05)
5050 ◊	10.13 (0.94)	26 1/16" (661)	56" (1422)	18.89 (1.76)	9.45 (0.88)	9.44 (0.88)	10.13 (0.94)	24 1/2" (622)	24.59 (2.28)
5056 ◊	11.21 (1.04)	26 1/16" (661)	62" (1575)	21.02 (1.95)	10.52 (0.98)	10.50 (0.98)	11.21 (1.04)	18 1/2" (470)	27.06 (2.51)
5060 ◊	12.30 (1.14)	26 1/16" (661)	68" (1727)	23.15 (2.15)	11.58 (1.08)	11.57 (1.07)	12.30 (1.14)	12 1/2" (318)	29.54 (2.74)
5610	1.61 (0.15)	29 1/16" (738)	8" (203)	2.08 (0.19)	1.04 (0.10)	1.04 (0.10)	1.61 (0.15)	72 1/2" (1842)	5.23 (0.49)
5616	2.82 (0.26)	29 1/16" (738)	14" (356)	4.46 (0.41)	2.23 (0.21)	2.23 (0.21)	2.82 (0.26)	66 1/2" (1689)	7.96 (0.74)
5620	4.03 (0.37)	29 1/16" (738)	20" (508)	6.84 (0.64)	3.42 (0.32)	3.42 (0.32)	4.03 (0.37)	60 1/2" (1537)	10.69 (0.99)
5626	5.24 (0.49)	29 1/16" (738)	26" (660)	9.22 (0.86)	4.61 (0.43)	4.61 (0.43)	5.24 (0.49)	54 1/2" (1384)	13.42 (1.25)
5630 ◊	6.45 (0.60)	29 1/16" (738)	32" (813)	11.60 (1.08)	5.80 (0.54)	5.79 (0.54)	6.45 (0.60)	48 1/2" (1232)	16.15 (1.50)
5636 ◊	7.66 (0.71)	29 1/16" (738)	38" (965)	13.98 (1.30)	6.99 (0.65)	6.98 (0.65)	7.66 (0.71)	42 1/2" (1080)	18.88 (1.75)
5640 ◊	8.87 (0.82)	29 1/16" (738)	44" (1118)	16.35 (1.52)	8.18 (0.76)	8.17 (0.76)	8.87 (0.82)	36 1/2" (927)	21.61 (2.01)
5646 ◊	10.08 (0.94)	29 1/16" (738)	50" (1270)	18.73 (1.74)	9.37 (0.87)	9.36 (0.87)	10.08 (0.94)	30 1/2" (775)	24.34 (2.26)
5650 ◊	11.29 (1.05)	29 1/16" (738)	56" (1422)	21.11 (1.96)	10.56 (0.98)	10.55 (0.98)	11.29 (1.05)	24 1/2" (622)	27.06 (2.51)
5656 ◊	12.50 (1.16)	29 1/16" (738)	62" (1575)	23.49 (2.18)	11.75 (1.09)	11.74 (1.09)	12.50 (1.16)	18 1/2" (470)	29.79 (2.77)
5660 ◊	13.71 (1.27)	29 1/16" (738)	68" (1727)	25.87 (2.40)	12.94 (1.20)	12.92 (1.20)	13.71 (1.27)	12 1/2" (318)	32.52 (3.02)
6010	1.78 (0.17)	32 1/16" (814)	8" (203)	2.30 (0.21)	1.15 (0.11)	1.15 (0.11)	1.78 (0.17)	72 1/2" (1842)	5.71 (0.53)
6016	3.11 (0.29)	32 1/16" (814)	14" (356)	4.93 (0.46)	2.47 (0.23)	2.46 (0.23)	3.11 (0.29)	66 1/2" (1689)	8.69 (0.81)
6020	4.45 (0.41)	32 1/16" (814)	20" (508)	7.56 (0.70)	3.78 (0.35)	3.78 (0.35)	4.45 (0.41)	60 1/2" (1537)	11.67 (1.08)
6026 ◊	5.78 (0.54)	32 1/16" (814)	26" (660)	10.19 (0.95)	5.10 (0.47)	5.09 (0.47)	5.78 (0.54)	54 1/2" (1384)	14.65 (1.36)
6030 ◊	7.12 (0.66)	32 1/16" (814)	32" (813)	12.82 (1.19)	6.41 (0.60)	6.40 (0.59)	7.12 (0.66)	48 1/2" (1232)	17.63 (1.64)
6036 ◊	8.45 (0.79)	32 1/16" (814)	38" (965)	15.44 (1.43)	7.73 (0.72)	7.72 (0.72)	8.45 (0.79)	42 1/2" (1080)	20.61 (1.91)
6040 ◊	9.79 (0.91)	32 1/16" (814)	44" (1118)	18.07 (1.68)	9.04 (0.84)	9.03 (0.84)	9.79 (0.91)	36 1/2" (927)	23.59 (2.19)
6046 ◊	11.12 (1.03)	32 1/16" (814)	50" (1270)	20.70 (1.92)	10.36 (0.96)	10.34 (0.96)	11.12 (1.03)	30 1/2" (775)	26.56 (2.47)
6050 ◊	12.46 (1.16)	32 1/16" (814)	56" (1422)	23.33 (2.17)	11.67 (1.08)	11.66 (1.08)	12.46 (1.16)	24 1/2" (622)	29.54 (2.74)
6056 ◊	13.79 (1.28)	32 1/16" (814)	62" (1575)	25.96 (2.41)	12.99 (1.21)	12.97 (1.21)	13.79 (1.28)	18 1/2" (470)	32.52 (3.02)
6060 ◊	15.13 (1.41)	32 1/16" (814)	68" (1727)	28.59 (2.66)	14.30 (1.33)	14.28 (1.33)	15.13 (1.41)	12 1/2" (318)	35.50 (3.30)

*"Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

GLIDING WINDOWS

Gliding Window Opening and Area Specifications – Active-Stationary-Active (XOX) 1:2:1 Sash Ratio

Window Number	Clear Opening Area Sq. Ft./ (m ²)		Clear Opening in Full Open Position		Total Glass Area Sq. Ft./ (m ²)	Fixed Sash Glass Area Sq. Ft./ (m ²)	Single Active Sash Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
			Width Inches/ (mm)	Height Inches/ (mm)						
5016	1.16	(0.11)	11 7/8" (302)	14" (356)	3.82 (0.36)	2.18 (0.20)	0.82 (0.08)	2.31 (0.21)	66 1/2" (1689)	7.23 (0.67)
5020	1.65	(0.15)	11 7/8" (302)	20" (508)	5.86 (0.54)	3.34 (0.31)	1.26 (0.12)	3.31 (0.31)	60 1/2" (1537)	9.71 (0.90)
5026	2.15	(0.20)	11 7/8" (302)	26" (660)	7.90 (0.73)	4.50 (0.42)	1.70 (0.16)	4.30 (0.40)	54 1/2" (1384)	12.19 (1.13)
5030	2.64	(0.25)	11 7/8" (302)	32" (813)	9.94 (0.92)	5.66 (0.53)	2.14 (0.20)	5.29 (0.49)	48 1/2" (1232)	14.67 (1.36)
5036	3.14	(0.29)	11 7/8" (302)	38" (965)	11.98 (1.11)	6.83 (0.63)	2.58 (0.24)	6.28 (0.58)	42 1/2" (1080)	17.15 (1.59)
5040	3.64	(0.34)	11 7/8" (302)	44" (1118)	14.02 (1.30)	7.99 (0.74)	3.01 (0.28)	7.27 (0.68)	36 1/2" (927)	19.63 (1.82)
5046	4.13	(0.38)	11 7/8" (302)	50" (1270)	16.06 (1.49)	9.15 (0.85)	3.45 (0.32)	8.26 (0.77)	30 1/2" (775)	22.11 (2.05)
5050	4.63	(0.43)	11 7/8" (302)	56" (1422)	18.09 (1.68)	10.31 (0.96)	3.89 (0.36)	9.25 (0.86)	24 1/2" (622)	24.59 (2.28)
5056	5.12	(0.48)	11 7/8" (302)	62" (1575)	20.13 (1.87)	11.47 (1.07)	4.33 (0.40)	10.25 (0.95)	18 1/2" (470)	27.06 (2.51)
5060	5.62	(0.52)	11 7/8" (302)	68" (1727)	22.17 (2.06)	12.63 (1.17)	4.77 (0.44)	11.24 (1.04)	12 1/2" (318)	29.54 (2.74)
6016	1.45	(0.13)	14 7/8" (378)	14" (356)	4.76 (0.44)	2.65 (0.25)	1.06 (0.10)	2.90 (0.27)	66 1/2" (1689)	8.69 (0.81)
6020	2.07	(0.19)	14 7/8" (378)	20" (508)	7.30 (0.68)	4.06 (0.38)	1.62 (0.15)	4.14 (0.38)	60 1/2" (1537)	11.67 (1.08)
6026	2.69	(0.25)	14 7/8" (378)	26" (660)	9.84 (0.91)	5.47 (0.51)	2.18 (0.20)	5.38 (0.50)	54 1/2" (1384)	14.65 (1.36)
6030	3.31	(0.31)	14 7/8" (378)	32" (813)	12.38 (1.15)	6.88 (0.64)	2.75 (0.26)	6.62 (0.62)	48 1/2" (1232)	17.63 (1.64)
6036	3.93	(0.37)	14 7/8" (378)	38" (965)	14.92 (1.39)	8.29 (0.77)	3.31 (0.31)	7.86 (0.73)	42 1/2" (1080)	20.61 (1.91)
6040	4.55	(0.42)	14 7/8" (378)	44" (1118)	17.45 (1.62)	9.71 (0.90)	3.87 (0.36)	9.10 (0.85)	36 1/2" (927)	23.59 (2.19)
6046	5.17	(0.48)	14 7/8" (378)	50" (1270)	19.99 (1.86)	11.12 (1.03)	4.44 (0.41)	10.35 (0.96)	30 1/2" (775)	26.56 (2.47)
6050	5.79	(0.54)	14 7/8" (378)	56" (1422)	22.53 (2.09)	12.53 (1.16)	5.00 (0.46)	11.59 (1.08)	24 1/2" (622)	29.54 (2.74)
6056	6.41	(0.60)	14 7/8" (378)	62" (1575)	25.07 (2.33)	13.94 (1.30)	5.56 (0.52)	12.83 (1.19)	18 1/2" (470)	32.52 (3.02)
6060	7.04	(0.65)	14 7/8" (378)	68" (1727)	27.61 (2.56)	15.35 (1.43)	6.13 (0.57)	14.07 (1.31)	12 1/2" (318)	35.50 (3.30)
7016	1.74	(0.16)	17 7/8" (455)	14" (356)	5.70 (0.53)	3.12 (0.29)	1.29 (0.12)	3.48 (0.32)	66 1/2" (1689)	10.15 (0.94)
7020	2.49	(0.23)	17 7/8" (455)	20" (508)	8.74 (0.81)	4.78 (0.44)	1.98 (0.18)	4.97 (0.46)	60 1/2" (1537)	13.63 (1.27)
7026	3.23	(0.30)	17 7/8" (455)	26" (660)	11.78 (1.09)	6.44 (0.60)	2.67 (0.25)	6.46 (0.60)	54 1/2" (1384)	17.11 (1.59)
7030	3.98	(0.37)	17 7/8" (455)	32" (813)	14.81 (1.38)	8.10 (0.75)	3.36 (0.31)	7.96 (0.74)	48 1/2" (1232)	20.59 (1.91)
7036	4.72	(0.44)	17 7/8" (455)	38" (965)	17.85 (1.66)	9.76 (0.91)	4.04 (0.38)	9.45 (0.88)	42 1/2" (1080)	24.06 (2.24)
7040	5.47	(0.51)	17 7/8" (455)	44" (1118)	20.89 (1.94)	11.42 (1.06)	4.73 (0.44)	10.94 (1.02)	36 1/2" (927)	27.54 (2.56)
7046	6.21	(0.58)	17 7/8" (455)	50" (1270)	23.93 (2.22)	13.09 (1.22)	5.42 (0.50)	12.43 (1.15)	30 1/2" (775)	31.02 (2.88)
7050	6.96	(0.65)	17 7/8" (455)	56" (1422)	26.97 (2.51)	14.75 (1.37)	6.11 (0.57)	13.92 (1.29)	24 1/2" (622)	34.50 (3.21)
7056	7.71	(0.72)	17 7/8" (455)	62" (1575)	30.01 (2.79)	16.41 (1.52)	6.80 (0.63)	15.41 (1.43)	18 1/2" (470)	37.98 (3.53)
7060	8.45	(0.79)	17 7/8" (455)	68" (1727)	33.05 (3.07)	18.07 (1.68)	7.49 (0.70)	16.90 (1.57)	12 1/2" (318)	41.46 (3.85)
7616	1.89	(0.18)	19 3/8" (493)	14" (356)	6.17 (0.57)	3.35 (0.31)	1.41 (0.13)	3.77 (0.35)	66 1/2" (1689)	10.88 (1.01)
7620	2.69	(0.25)	19 3/8" (493)	20" (508)	9.46 (0.88)	5.14 (0.48)	2.16 (0.20)	5.39 (0.50)	60 1/2" (1537)	14.61 (1.36)
7626	3.50	(0.33)	19 3/8" (493)	26" (660)	12.74 (1.18)	6.92 (0.64)	2.91 (0.27)	7.01 (0.65)	54 1/2" (1384)	18.34 (1.70)
7630	4.31	(0.40)	19 3/8" (493)	32" (813)	16.03 (1.49)	8.71 (0.81)	3.66 (0.34)	8.62 (0.80)	48 1/2" (1232)	22.06 (2.05)
7636	5.12	(0.48)	19 3/8" (493)	38" (965)	19.32 (1.80)	10.50 (0.98)	4.41 (0.41)	10.24 (0.95)	42 1/2" (1080)	25.79 (2.40)
7640	5.93	(0.55)	19 3/8" (493)	44" (1118)	22.61 (2.10)	12.28 (1.14)	5.16 (0.48)	11.85 (1.10)	36 1/2" (927)	29.52 (2.74)
7646	6.74	(0.63)	19 3/8" (493)	50" (1270)	25.90 (2.41)	14.07 (1.31)	5.91 (0.55)	13.47 (1.25)	30 1/2" (775)	33.25 (3.09)
7650	7.54	(0.70)	19 3/8" (493)	56" (1422)	29.19 (2.71)	15.86 (1.47)	6.67 (0.62)	15.09 (1.40)	24 1/2" (622)	36.98 (3.44)
7656	8.35	(0.78)	19 3/8" (493)	62" (1575)	32.48 (3.02)	17.64 (1.64)	7.42 (0.69)	16.70 (1.55)	18 1/2" (470)	40.71 (3.78)
7660	9.16	(0.85)	19 3/8" (493)	68" (1727)	35.77 (3.32)	19.43 (1.81)	8.17 (0.76)	18.32 (1.70)	12 1/2" (318)	44.44 (4.13)
8016	2.03	(0.19)	20 7/8" (531)	14" (356)	6.64 (0.62)	3.58 (0.33)	1.53 (0.14)	4.06 (0.38)	66 1/2" (1689)	11.61 (1.08)
8020	2.90	(0.27)	20 7/8" (531)	20" (508)	10.17 (0.95)	5.50 (0.51)	2.34 (0.22)	5.81 (0.54)	60 1/2" (1537)	15.59 (1.45)
8026	3.77	(0.35)	20 7/8" (531)	26" (660)	13.71 (1.27)	7.41 (0.69)	3.15 (0.29)	7.55 (0.70)	54 1/2" (1384)	19.56 (1.82)
8030	4.64	(0.43)	20 7/8" (531)	32" (813)	17.25 (1.60)	9.32 (0.87)	3.97 (0.37)	9.29 (0.86)	48 1/2" (1232)	23.54 (2.19)
8036	5.52	(0.51)	20 7/8" (531)	38" (965)	20.79 (1.93)	11.23 (1.04)	4.78 (0.44)	11.03 (1.02)	42 1/2" (1080)	27.52 (2.56)
8040 ◊	6.39	(0.59)	20 7/8" (531)	44" (1118)	24.33 (2.26)	13.14 (1.22)	5.59 (0.52)	12.77 (1.19)	36 1/2" (927)	31.50 (2.93)
8046 ◊	7.26	(0.67)	20 7/8" (531)	50" (1270)	27.87 (2.59)	15.06 (1.40)	6.41 (0.60)	14.51 (1.35)	30 1/2" (775)	35.48 (3.30)
8050 ◊	8.13	(0.76)	20 7/8" (531)	56" (1422)	31.41 (2.92)	16.97 (1.58)	7.22 (0.67)	16.25 (1.51)	24 1/2" (622)	39.46 (3.67)
8056 ◊	9.00	(0.84)	20 7/8" (531)	62" (1575)	34.95 (3.25)	18.88 (1.75)	8.03 (0.75)	18.00 (1.67)	18 1/2" (470)	43.44 (4.04)
8060 ◊	9.87	(0.92)	20 7/8" (531)	68" (1727)	38.48 (3.58)	20.79 (1.93)	8.85 (0.82)	19.74 (1.83)	12 1/2" (318)	47.42 (4.41)
8616	2.18	(0.20)	22 3/8" (569)	14" (356)	7.10 (0.66)	3.82 (0.35)	1.64 (0.15)	4.36 (0.40)	66 1/2" (1689)	12.34 (1.15)
8620	3.11	(0.29)	22 3/8" (569)	20" (508)	10.89 (1.01)	5.86 (0.54)	2.52 (0.23)	6.22 (0.58)	60 1/2" (1537)	16.56 (1.54)
8626	4.04	(0.38)	22 3/8" (569)	26" (660)	14.68 (1.36)	7.89 (0.73)	3.39 (0.32)	8.09 (0.75)	54 1/2" (1384)	20.79 (1.93)
8630	4.98	(0.46)	22 3/8" (569)	32" (813)	18.47 (1.72)	9.93 (0.92)	4.27 (0.40)	9.96 (0.92)	48 1/2" (1232)	25.02 (2.32)
8636 ◊	5.91	(0.55)	22 3/8" (569)	38" (965)	22.26 (2.07)	11.97 (1.11)	5.15 (0.48)	11.82 (1.10)	42 1/2" (1080)	29.25 (2.72)
8640 ◊	6.84	(0.64)	22 3/8" (569)	44" (1118)	26.05 (2.42)	14.00 (1.30)	6.02 (0.56)	13.69 (1.27)	36 1/2" (927)	33.48 (3.11)
8646 ◊	7.78	(0.72)	22 3/8" (569)	50" (1270)	29.84 (2.77)	16.04 (1.49)	6.90 (0.64)	15.55 (1.45)	30 1/2" (775)	37.71 (3.50)
8650 ◊	8.71	(0.81)	22 3/8" (569)	56" (1422)	33.63 (3.12)	18.08 (1.68)	7.77 (0.72)	17.42 (1.62)	24 1/2" (622)	41.94 (3.90)

*Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).

continued on next page

◊ Dimensions in parentheses are in millimeters or square meters.

◊ Meets or exceeds clear opening area of 5.7 sq. ft. or 0.53 m²; clear opening width of 20" (508) and clear opening height of 24" (610).

Gliding Window Opening and Area Specifications – Active-Stationary-Active (XOX) 1:2:1 Sash Ratio *(continued)*

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Total Glass Area Sq. Ft./ (m ²)	Fixed Sash Glass Area Sq. Ft./ (m ²)	Single Active Sash Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/ (mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/ (mm)	Height Inches/ (mm)						
8656 ◊	9.64 (0.90)	22 3/8" (569)	62" (1575)	37.41 (3.48)	20.11 (1.87)	8.65 (0.80)	19.29 (1.79)	18 1/2" (470)	46.17 (4.29)
8660 ◊	10.58 (0.98)	22 3/8" (569)	68" (1727)	41.20 (3.83)	22.15 (2.06)	9.53 (0.89)	21.15 (1.97)	12 1/2" (318)	50.40 (4.68)
9016	2.32 (0.22)	23 7/8" (607)	14" (356)	7.57 (0.70)	4.05 (0.38)	1.76 (0.16)	4.65 (0.43)	66 1/2" (1689)	13.06 (1.21)
9020	3.32 (0.31)	23 7/8" (607)	20" (508)	11.61 (1.08)	6.22 (0.58)	2.70 (0.25)	6.64 (0.62)	60 1/2" (1537)	17.54 (1.63)
9026	4.32 (0.40)	23 7/8" (607)	26" (660)	15.65 (1.45)	8.38 (0.78)	3.64 (0.34)	8.63 (0.80)	54 1/2" (1384)	22.02 (2.05)
9030	5.31 (0.49)	23 7/8" (607)	32" (813)	19.69 (1.83)	10.54 (0.98)	4.58 (0.43)	10.62 (0.99)	48 1/2" (1232)	26.50 (2.46)
9036 ◊	6.31 (0.59)	23 7/8" (607)	38" (965)	23.73 (2.20)	12.70 (1.18)	5.51 (0.51)	12.61 (1.17)	42 1/2" (1080)	30.98 (2.88)
9040 ◊	7.30 (0.68)	23 7/8" (607)	44" (1118)	27.77 (2.58)	14.86 (1.38)	6.45 (0.60)	14.60 (1.36)	36 1/2" (927)	35.46 (3.29)
9046 ◊	8.30 (0.77)	23 7/8" (607)	50" (1270)	31.81 (2.95)	17.02 (1.58)	7.39 (0.69)	16.60 (1.54)	30 1/2" (775)	39.94 (3.71)
9050 ◊	9.29 (0.86)	23 7/8" (607)	56" (1422)	35.84 (3.33)	19.19 (1.78)	8.33 (0.77)	18.59 (1.73)	24 1/2" (622)	44.42 (4.13)
9056 ◊	10.29 (0.96)	23 7/8" (607)	62" (1575)	39.88 (3.71)	21.35 (1.98)	9.27 (0.86)	20.58 (1.91)	18 1/2" (470)	48.90 (4.54)
9060 ◊	11.29 (1.05)	23 7/8" (607)	68" (1727)	43.92 (4.08)	23.51 (2.18)	10.21 (0.95)	22.57 (2.10)	12 1/2" (318)	53.38 (4.96)
10016	2.62 (0.24)	26 7/8" (683)	14" (356)	8.51 (0.79)	4.52 (0.42)	1.99 (0.19)	5.23 (0.49)	66 1/2" (1689)	14.52 (1.35)
10020	3.74 (0.35)	26 7/8" (683)	20" (508)	13.05 (1.21)	6.93 (0.64)	3.06 (0.28)	7.47 (0.69)	60 1/2" (1537)	19.50 (1.81)
10026	4.86 (0.45)	26 7/8" (683)	26" (660)	17.59 (1.63)	9.35 (0.87)	4.12 (0.38)	9.71 (0.90)	54 1/2" (1384)	24.48 (2.27)
10030	5.98 (0.56)	26 7/8" (683)	32" (813)	22.13 (2.06)	11.76 (1.09)	5.18 (0.48)	11.96 (1.11)	48 1/2" (1232)	29.46 (2.74)
10036 ◊	7.10 (0.66)	26 7/8" (683)	38" (965)	26.67 (2.48)	14.17 (1.32)	6.25 (0.58)	14.20 (1.32)	42 1/2" (1080)	34.44 (3.20)
10040 ◊	8.22 (0.76)	26 7/8" (683)	44" (1118)	31.20 (2.90)	16.58 (1.54)	7.31 (0.68)	16.44 (1.53)	36 1/2" (927)	39.42 (3.66)
10046 ◊	9.34 (0.87)	26 7/8" (683)	50" (1270)	35.74 (3.32)	18.99 (1.76)	8.38 (0.78)	18.68 (1.74)	30 1/2" (775)	44.40 (4.12)
10050 ◊	10.46 (0.97)	26 7/8" (683)	56" (1422)	40.28 (3.74)	21.40 (1.99)	9.44 (0.88)	20.92 (1.94)	24 1/2" (622)	49.38 (4.59)
10056 ◊	11.58 (1.08)	26 7/8" (683)	62" (1575)	44.82 (4.16)	23.82 (2.21)	10.50 (0.98)	23.16 (2.15)	18 1/2" (470)	54.36 (5.05)
10060 ◊	12.70 (1.18)	26 7/8" (683)	68" (1727)	49.36 (4.59)	26.23 (2.44)	11.57 (1.07)	25.40 (2.36)	12 1/2" (318)	59.34 (5.51)
11016	2.91 (0.27)	29 7/8" (759)	14" (356)	9.45 (0.88)	4.99 (0.46)	2.23 (0.21)	5.81 (0.54)	66 1/2" (1689)	15.98 (1.48)
11020	4.15 (0.39)	29 7/8" (759)	20" (508)	14.49 (1.35)	7.65 (0.71)	3.42 (0.32)	8.31 (0.77)	60 1/2" (1537)	21.46 (1.99)
11026	5.40 (0.50)	29 7/8" (759)	26" (660)	19.53 (1.81)	10.31 (0.96)	4.61 (0.43)	10.80 (1.00)	54 1/2" (1384)	26.94 (2.50)
11030 ◊	6.64 (0.62)	29 7/8" (759)	32" (813)	24.56 (2.28)	12.98 (1.21)	5.79 (0.54)	13.29 (1.23)	48 1/2" (1232)	32.42 (3.01)
11036 ◊	7.89 (0.73)	29 7/8" (759)	38" (965)	29.60 (2.75)	15.64 (1.45)	6.98 (0.65)	15.78 (1.47)	42 1/2" (1080)	37.90 (3.52)
11040 ◊	9.14 (0.85)	29 7/8" (759)	44" (1118)	34.64 (3.22)	18.30 (1.70)	8.17 (0.76)	18.27 (1.70)	36 1/2" (927)	43.38 (4.03)
11046 ◊	10.38 (0.96)	29 7/8" (759)	50" (1270)	39.68 (3.69)	20.96 (1.95)	9.36 (0.87)	20.76 (1.93)	30 1/2" (775)	48.86 (4.54)
11050 ◊	11.63 (1.08)	29 7/8" (759)	56" (1422)	44.72 (4.15)	23.62 (2.19)	10.55 (0.98)	23.25 (2.16)	24 1/2" (622)	54.34 (5.05)
11056 ◊	12.87 (1.20)	29 7/8" (759)	62" (1575)	49.76 (4.62)	26.28 (2.44)	11.74 (1.09)	25.75 (2.39)	18 1/2" (470)	59.81 (5.56)
11060 ◊	14.12 (1.31)	29 7/8" (759)	68" (1727)	54.80 (5.09)	28.95 (2.69)	12.92 (1.20)	28.24 (2.62)	12 1/2" (318)	65.29 (6.07)
12016	3.20 (0.30)	32 7/8" (836)	14" (356)	10.39 (0.96)	5.46 (0.51)	2.46 (0.23)	6.40 (0.59)	66 1/2" (1689)	17.44 (1.62)
12020	4.57 (0.42)	32 7/8" (836)	20" (508)	15.92 (1.48)	8.37 (0.78)	3.78 (0.35)	9.14 (0.85)	60 1/2" (1537)	23.42 (2.18)
12026 ◊	5.94 (0.55)	32 7/8" (836)	26" (660)	21.46 (1.99)	11.28 (1.05)	5.09 (0.47)	11.88 (1.10)	54 1/2" (1384)	29.40 (2.73)
12030 ◊	7.31 (0.68)	32 7/8" (836)	32" (813)	27.00 (2.51)	14.19 (1.32)	6.40 (0.59)	14.62 (1.36)	48 1/2" (1232)	35.38 (3.29)
12036 ◊	8.68 (0.81)	32 7/8" (836)	38" (965)	32.54 (3.02)	17.11 (1.59)	7.72 (0.72)	17.36 (1.61)	42 1/2" (1080)	41.36 (3.84)
12040 ◊	10.05 (0.93)	32 7/8" (836)	44" (1118)	38.08 (3.54)	20.02 (1.86)	9.03 (0.84)	20.10 (1.87)	36 1/2" (927)	47.34 (4.40)
12046 ◊	11.42 (1.06)	32 7/8" (836)	50" (1270)	43.62 (4.05)	22.93 (2.13)	10.34 (0.96)	22.85 (2.12)	30 1/2" (775)	53.31 (4.95)
12050 ◊	12.79 (1.19)	32 7/8" (836)	56" (1422)	49.16 (4.57)	25.84 (2.40)	11.66 (1.08)	25.59 (2.38)	24 1/2" (622)	59.29 (5.51)
12056 ◊	14.16 (1.32)	32 7/8" (836)	62" (1575)	54.70 (5.08)	28.75 (2.67)	12.97 (1.21)	28.33 (2.63)	18 1/2" (470)	65.27 (6.06)
12060 ◊	15.54 (1.44)	32 7/8" (836)	68" (1727)	60.23 (5.60)	31.67 (2.94)	14.28 (1.33)	31.07 (2.89)	12 1/2" (318)	71.25 (6.62)

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
• Dimensions in parentheses are in millimeters or square meters.
◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

100 Series Gliding Windows

GLIDING WINDOWS

Gliding Window Opening and Area Specifications – Active-Stationary-Active (XOX) 1:1:1 Equal Sash Ratio

Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Total Glass Area Sq. Ft./ (m ²)	Fixed Sash Glass Area Sq. Ft./ (m ²)	Single Active Sash Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)						
4016	1.04 (0.10)	10 5/8" (271)	14" (356)	2.89 (0.27)	0.96 (0.09)	0.96 (0.09)	2.07 (0.19)	66 1/2" (1689)	5.77 (0.54)
4020	1.48 (0.14)	10 5/8" (271)	20" (508)	4.42 (0.41)	1.48 (0.14)	1.47 (0.14)	2.96 (0.28)	60 1/2" (1537)	7.75 (0.72)
4026	1.93 (0.18)	10 5/8" (271)	26" (660)	5.96 (0.55)	1.99 (0.19)	1.99 (0.18)	3.85 (0.36)	54 1/2" (1384)	9.73 (0.90)
4030	2.37 (0.22)	10 5/8" (271)	32" (813)	7.50 (0.70)	2.51 (0.23)	2.50 (0.23)	4.74 (0.44)	48 1/2" (1232)	11.71 (1.09)
4036	2.82 (0.26)	10 5/8" (271)	38" (965)	9.04 (0.84)	3.02 (0.28)	3.01 (0.28)	5.63 (0.52)	42 1/2" (1080)	13.69 (1.27)
4040	3.26 (0.30)	10 5/8" (271)	44" (1118)	10.58 (0.98)	3.53 (0.33)	3.52 (0.33)	6.52 (0.61)	36 1/2" (927)	15.67 (1.46)
4046	3.70 (0.34)	10 5/8" (271)	50" (1270)	12.12 (1.13)	4.05 (0.38)	4.03 (0.37)	7.41 (0.69)	30 1/2" (775)	17.65 (1.64)
4050	4.15 (0.39)	10 5/8" (271)	56" (1422)	13.66 (1.27)	4.56 (0.42)	4.55 (0.42)	8.30 (0.77)	24 1/2" (622)	19.63 (1.82)
4056	4.59 (0.43)	10 5/8" (271)	62" (1575)	15.20 (1.41)	5.08 (0.47)	5.06 (0.47)	9.19 (0.85)	18 1/2" (470)	21.61 (2.01)
4060	5.04 (0.47)	10 5/8" (271)	68" (1727)	16.73 (1.55)	5.59 (0.52)	5.57 (0.52)	10.08 (0.94)	12 1/2" (318)	23.59 (2.19)
5016	1.43 (0.13)	14 5/8" (373)	14" (356)	3.82 (0.36)	1.28 (0.12)	1.27 (0.12)	2.85 (0.26)	66 1/2" (1689)	7.23 (0.67)
5020	2.04 (0.19)	14 5/8" (373)	20" (508)	5.86 (0.54)	1.96 (0.18)	1.95 (0.18)	4.07 (0.38)	60 1/2" (1537)	9.71 (0.90)
5026	2.65 (0.25)	14 5/8" (373)	26" (660)	7.90 (0.73)	2.64 (0.25)	2.63 (0.24)	5.30 (0.49)	54 1/2" (1384)	12.19 (1.13)
5030	3.26 (0.30)	14 5/8" (373)	32" (813)	9.94 (0.92)	3.32 (0.31)	3.31 (0.31)	6.52 (0.61)	48 1/2" (1232)	14.67 (1.36)
5036	3.87 (0.36)	14 5/8" (373)	38" (965)	11.98 (1.11)	4.00 (0.37)	3.99 (0.37)	7.74 (0.72)	42 1/2" (1080)	17.15 (1.59)
5040	4.48 (0.42)	14 5/8" (373)	44" (1118)	14.02 (1.30)	4.68 (0.43)	4.67 (0.43)	8.96 (0.83)	36 1/2" (927)	19.63 (1.82)
5046	5.09 (0.47)	14 5/8" (373)	50" (1270)	16.06 (1.49)	5.36 (0.50)	5.35 (0.50)	10.19 (0.95)	30 1/2" (775)	22.11 (2.05)
5050	5.70 (0.53)	14 5/8" (373)	56" (1422)	18.09 (1.68)	6.04 (0.56)	6.03 (0.56)	11.41 (1.06)	24 1/2" (622)	24.59 (2.28)
5056	6.32 (0.59)	14 5/8" (373)	62" (1575)	20.13 (1.87)	6.72 (0.62)	6.71 (0.62)	12.63 (1.17)	18 1/2" (470)	27.06 (2.51)
5060	6.93 (0.64)	14 5/8" (373)	68" (1727)	22.17 (2.06)	7.40 (0.69)	7.38 (0.69)	13.85 (1.29)	12 1/2" (318)	29.54 (2.74)
6016	1.82 (0.17)	18 5/8" (474)	14" (356)	4.76 (0.44)	1.59 (0.15)	1.59 (0.15)	3.63 (0.34)	66 1/2" (1689)	8.69 (0.81)
6020	2.59 (0.24)	18 5/8" (474)	20" (508)	7.30 (0.68)	2.44 (0.23)	2.43 (0.23)	5.19 (0.48)	60 1/2" (1537)	11.67 (1.08)
6026	3.37 (0.31)	18 5/8" (474)	26" (660)	9.84 (0.91)	3.28 (0.31)	3.28 (0.30)	6.74 (0.63)	54 1/2" (1384)	14.65 (1.36)
6030	4.15 (0.39)	18 5/8" (474)	32" (813)	12.38 (1.15)	4.13 (0.38)	4.12 (0.38)	8.30 (0.77)	48 1/2" (1232)	17.63 (1.64)
6036	4.93 (0.46)	18 5/8" (474)	38" (965)	14.92 (1.39)	4.98 (0.46)	4.97 (0.46)	9.85 (0.92)	42 1/2" (1080)	20.61 (1.91)
6040	5.70 (0.53)	18 5/8" (474)	44" (1118)	17.45 (1.62)	5.83 (0.54)	5.81 (0.54)	11.41 (1.06)	36 1/2" (927)	23.59 (2.19)
6046	6.48 (0.60)	18 5/8" (474)	50" (1270)	19.99 (1.86)	6.67 (0.62)	6.66 (0.62)	12.96 (1.20)	30 1/2" (775)	26.56 (2.47)
6050	7.26 (0.67)	18 5/8" (474)	56" (1422)	22.53 (2.09)	7.52 (0.70)	7.51 (0.70)	14.52 (1.35)	24 1/2" (622)	29.54 (2.74)
6056	8.04 (0.75)	18 5/8" (474)	62" (1575)	25.07 (2.33)	8.37 (0.78)	8.35 (0.78)	16.08 (1.49)	18 1/2" (470)	32.52 (3.02)
6060	8.82 (0.82)	18 5/8" (474)	68" (1727)	27.61 (2.56)	9.22 (0.86)	9.20 (0.85)	17.63 (1.64)	12 1/2" (318)	35.50 (3.30)
7016	2.20 (0.20)	22 5/8" (576)	14" (356)	5.70 (0.53)	1.90 (0.18)	1.90 (0.18)	4.41 (0.41)	66 1/2" (1689)	10.15 (0.94)
7020	3.15 (0.29)	22 5/8" (576)	20" (508)	8.74 (0.81)	2.92 (0.27)	2.91 (0.27)	6.30 (0.59)	60 1/2" (1537)	13.63 (1.27)
7026	4.09 (0.38)	22 5/8" (576)	26" (660)	11.78 (1.09)	3.93 (0.37)	3.92 (0.36)	8.19 (0.76)	54 1/2" (1384)	17.11 (1.59)
7030	5.04 (0.47)	22 5/8" (576)	32" (813)	14.81 (1.38)	4.94 (0.46)	4.94 (0.46)	10.08 (0.94)	48 1/2" (1232)	20.59 (1.91)
7036 ◊	5.98 (0.56)	22 5/8" (576)	38" (965)	17.85 (1.66)	5.96 (0.55)	5.95 (0.55)	11.96 (1.11)	42 1/2" (1080)	24.06 (2.24)
7040 ◊	6.93 (0.64)	22 5/8" (576)	44" (1118)	20.89 (1.94)	6.97 (0.65)	6.96 (0.65)	13.85 (1.29)	36 1/2" (927)	27.54 (2.56)
7046 ◊	7.87 (0.73)	22 5/8" (576)	50" (1270)	23.93 (2.22)	7.99 (0.74)	7.97 (0.74)	15.74 (1.46)	30 1/2" (775)	31.02 (2.88)
7050 ◊	8.82 (0.82)	22 5/8" (576)	56" (1422)	26.97 (2.51)	9.00 (0.84)	8.98 (0.83)	17.63 (1.64)	24 1/2" (622)	34.50 (3.21)
7056 ◊	9.76 (0.91)	22 5/8" (576)	62" (1575)	30.01 (2.79)	10.01 (0.93)	10.00 (0.93)	19.52 (1.81)	18 1/2" (470)	37.98 (3.53)
7060 ◊	10.70 (0.99)	22 5/8" (576)	68" (1727)	33.05 (3.07)	11.03 (1.02)	11.01 (1.02)	21.41 (1.99)	12 1/2" (318)	41.46 (3.85)
7616	2.40 (0.22)	24 5/8" (627)	14" (356)	6.17 (0.57)	2.06 (0.19)	2.05 (0.19)	4.80 (0.45)	66 1/2" (1689)	10.88 (1.01)
7620	3.43 (0.32)	24 5/8" (627)	20" (508)	9.46 (0.88)	3.15 (0.29)	3.15 (0.29)	6.85 (0.64)	60 1/2" (1537)	14.61 (1.36)
7626	4.45 (0.41)	24 5/8" (627)	26" (660)	12.74 (1.18)	4.25 (0.40)	4.25 (0.39)	8.91 (0.83)	54 1/2" (1384)	18.34 (1.70)
7630	5.48 (0.51)	24 5/8" (627)	32" (813)	16.03 (1.49)	5.35 (0.50)	5.34 (0.50)	10.96 (1.02)	48 1/2" (1232)	22.06 (2.05)
7636 ◊	6.51 (0.60)	24 5/8" (627)	38" (965)	19.32 (1.80)	6.45 (0.60)	6.44 (0.60)	13.02 (1.21)	42 1/2" (1080)	25.79 (2.40)
7640 ◊	7.54 (0.70)	24 5/8" (627)	44" (1118)	22.61 (2.10)	7.54 (0.70)	7.53 (0.70)	15.08 (1.40)	36 1/2" (927)	29.52 (2.74)
7646 ◊	8.57 (0.80)	24 5/8" (627)	50" (1270)	25.90 (2.41)	8.64 (0.80)	8.63 (0.80)	17.13 (1.59)	30 1/2" (775)	33.25 (3.09)
7650 ◊	9.59 (0.89)	24 5/8" (627)	56" (1422)	29.19 (2.71)	9.74 (0.90)	9.72 (0.90)	19.19 (1.78)	24 1/2" (622)	36.98 (3.44)
7656 ◊	10.62 (0.99)	24 5/8" (627)	62" (1575)	32.48 (3.02)	10.84 (1.01)	10.82 (1.01)	21.24 (1.97)	18 1/2" (470)	40.71 (3.78)
7660 ◊	11.65 (1.08)	24 5/8" (627)	68" (1727)	35.77 (3.32)	11.93 (1.11)	11.92 (1.11)	23.30 (2.16)	12 1/2" (318)	44.44 (4.13)
8016	2.59 (0.24)	26 5/8" (677)	14" (356)	6.64 (0.62)	2.21 (0.21)	2.21 (0.21)	5.19 (0.48)	66 1/2" (1689)	11.61 (1.08)
8020	3.70 (0.34)	26 5/8" (677)	20" (508)	10.17 (0.95)	3.39 (0.32)	3.39 (0.31)	7.41 (0.69)	60 1/2" (1537)	15.59 (1.45)
8026	4.82 (0.45)	26 5/8" (677)	26" (660)	13.71 (1.27)	4.58 (0.43)	4.57 (0.42)	9.63 (0.89)	54 1/2" (1384)	19.56 (1.82)
8030 ◊	5.93 (0.55)	26 5/8" (677)	32" (813)	17.25 (1.60)	5.76 (0.53)	5.75 (0.53)	11.85 (1.10)	48 1/2" (1232)	23.54 (2.19)
8036 ◊	7.04 (0.65)	26 5/8" (677)	38" (965)	20.79 (1.93)	6.94 (0.64)	6.93 (0.64)	14.08 (1.31)	42 1/2" (1080)	27.52 (2.56)
8040 ◊	8.15 (0.76)	26 5/8" (677)	44" (1118)	24.33 (2.26)	8.12 (0.75)	8.11 (0.75)	16.30 (1.51)	36 1/2" (927)	31.50 (2.93)
8046 ◊	9.26 (0.86)	26 5/8" (677)	50" (1270)	27.87 (2.59)	9.30 (0.86)	9.28 (0.86)	18.52 (1.72)	30 1/2" (775)	35.48 (3.30)
8050 ◊	10.37 (0.96)	26 5/8" (677)	56" (1422)	31.41 (2.92)	10.48 (0.97)	10.46 (0.97)	20.74 (1.93)	24 1/2" (622)	39.46 (3.67)

*Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).

continued on next page

• Dimensions in parentheses are in millimeters or square meters.

◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m²; clear opening width of 20" (508) and clear opening height of 24" (610).

Gliding Window Opening and Area Specifications – Active-Stationary-Active (XOX) 1:1:1 Equal Sash Ratio *(continued)*

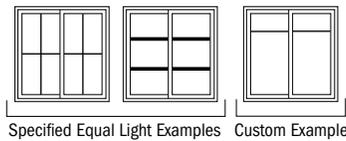
Window Number	Clear Opening Area Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Total Glass Area Sq. Ft./ (m ²)	Fixed Sash Glass Area Sq. Ft./ (m ²)	Single Active Sash Glass Area Sq. Ft./ (m ²)	Vent Area Sq. Ft./ (m ²)	Top of Subfloor to Top of Inside Sill Stop Inches/(mm)	Overall Window Area Sq. Ft./ (m ²)
		Width Inches/(mm)	Height Inches/(mm)						
8056 ◊	11.48 (1.07)	26 5/8" (677)	62" (1575)	34.95 (3.25)	11.66 (1.08)	11.64 (1.08)	22.97 (2.13)	18 1/2" (470)	43.44 (4.04)
8060 ◊	12.59 (1.17)	26 5/8" (677)	68" (1727)	38.48 (3.58)	12.84 (1.19)	12.82 (1.19)	25.19 (2.34)	12 1/2" (318)	47.42 (4.41)
8616	2.79 (0.26)	28 5/8" (728)	14" (356)	7.10 (0.66)	2.37 (0.22)	2.37 (0.22)	5.57 (0.52)	66 1/2" (1689)	12.34 (1.15)
8620	3.98 (0.37)	28 5/8" (728)	20" (508)	10.89 (1.01)	3.63 (0.34)	3.63 (0.34)	7.96 (0.74)	60 1/2" (1537)	16.56 (1.54)
8626	5.18 (0.48)	28 5/8" (728)	26" (660)	14.68 (1.36)	4.90 (0.46)	4.89 (0.45)	10.35 (0.96)	54 1/2" (1384)	20.79 (1.93)
8630 ◊	6.37 (0.59)	28 5/8" (728)	32" (813)	18.47 (1.72)	6.16 (0.57)	6.15 (0.57)	12.74 (1.18)	48 1/2" (1232)	25.02 (2.32)
8636 ◊	7.57 (0.70)	28 5/8" (728)	38" (965)	22.26 (2.07)	7.43 (0.69)	7.42 (0.69)	15.13 (1.41)	42 1/2" (1080)	29.25 (2.72)
8640 ◊	8.76 (0.81)	28 5/8" (728)	44" (1118)	26.05 (2.42)	8.69 (0.81)	8.68 (0.81)	17.52 (1.63)	36 1/2" (927)	33.48 (3.11)
8646 ◊	9.95 (0.92)	28 5/8" (728)	50" (1270)	29.84 (2.77)	9.95 (0.92)	9.94 (0.92)	19.91 (1.85)	30 1/2" (775)	37.71 (3.50)
8650 ◊	11.15 (1.04)	28 5/8" (728)	56" (1422)	33.63 (3.12)	11.22 (1.04)	11.20 (1.04)	22.30 (2.07)	24 1/2" (622)	41.94 (3.90)
8656 ◊	12.34 (1.15)	28 5/8" (728)	62" (1575)	37.41 (3.48)	12.48 (1.16)	12.47 (1.16)	24.69 (2.29)	18 1/2" (470)	46.17 (4.29)
8660 ◊	13.54 (1.26)	28 5/8" (728)	68" (1727)	41.20 (3.83)	13.75 (1.28)	13.73 (1.28)	27.08 (2.52)	12 1/2" (318)	50.40 (4.68)

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096).
 • Dimensions in parentheses are in millimeters or square meters.
 ◊ Meets or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Grille Patterns

	Prairie A	Colonial	Modified Colonial	Tall Fractional	Short Fractional
Gliding					

Number of lights and overall pattern varies with window size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available. For specified equal light, specify number of same-size rectangles across or down. For more information on divided light, see page 13 or visit andersenwindows.com/grilles.

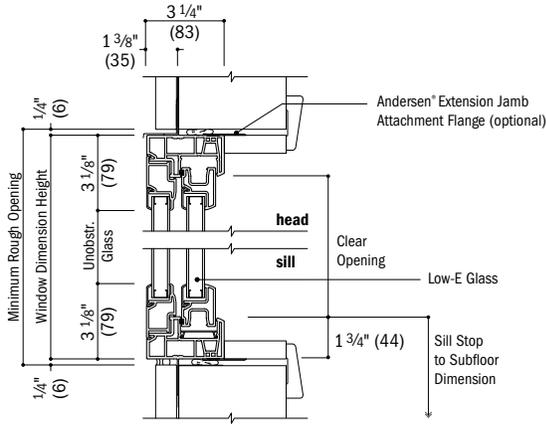


GLIDING WINDOWS

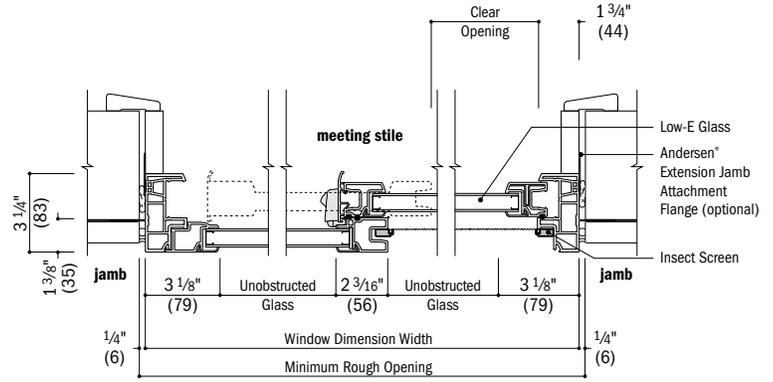
Gliding Window Details - New Construction

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

1 3/8" flange setback

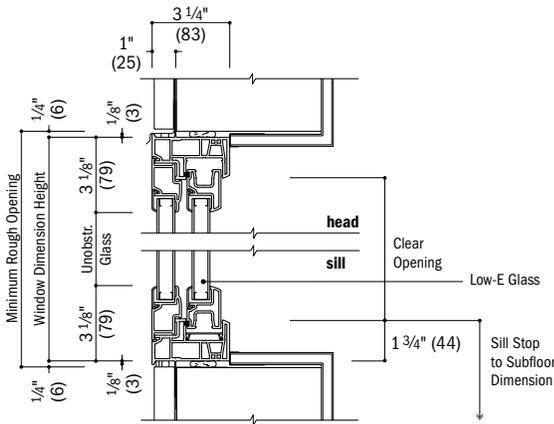


Vertical Section

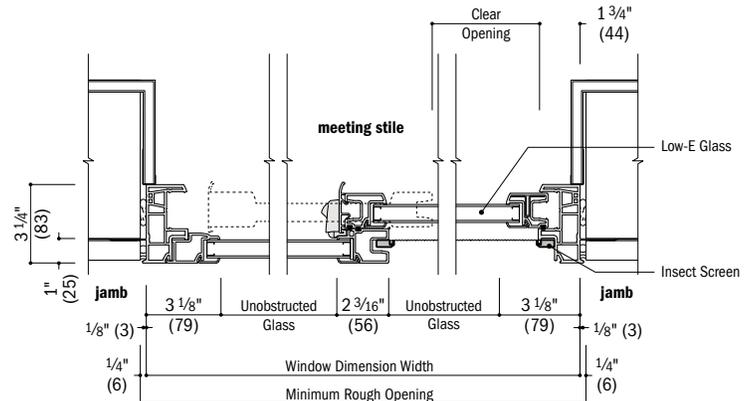


Horizontal Section

1" flange setback with stucco key

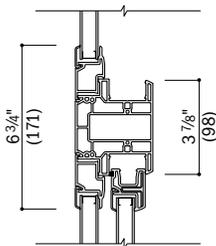


Vertical Section
Stucco Exterior



Horizontal Section
Stucco Exterior

integral



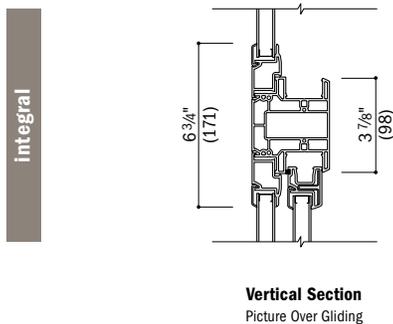
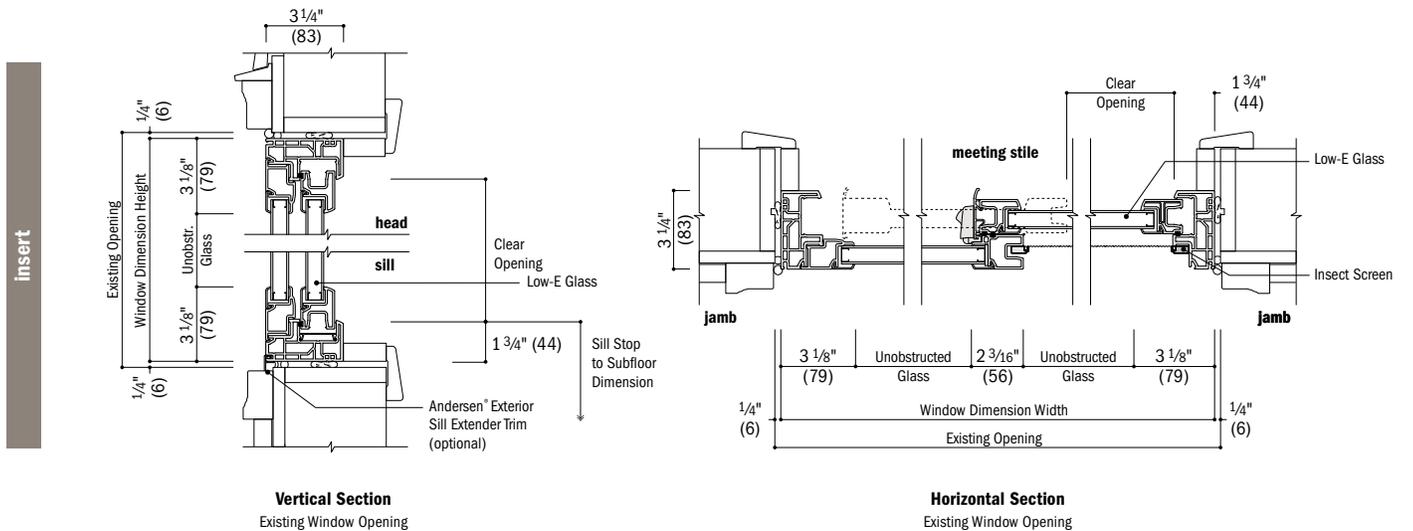
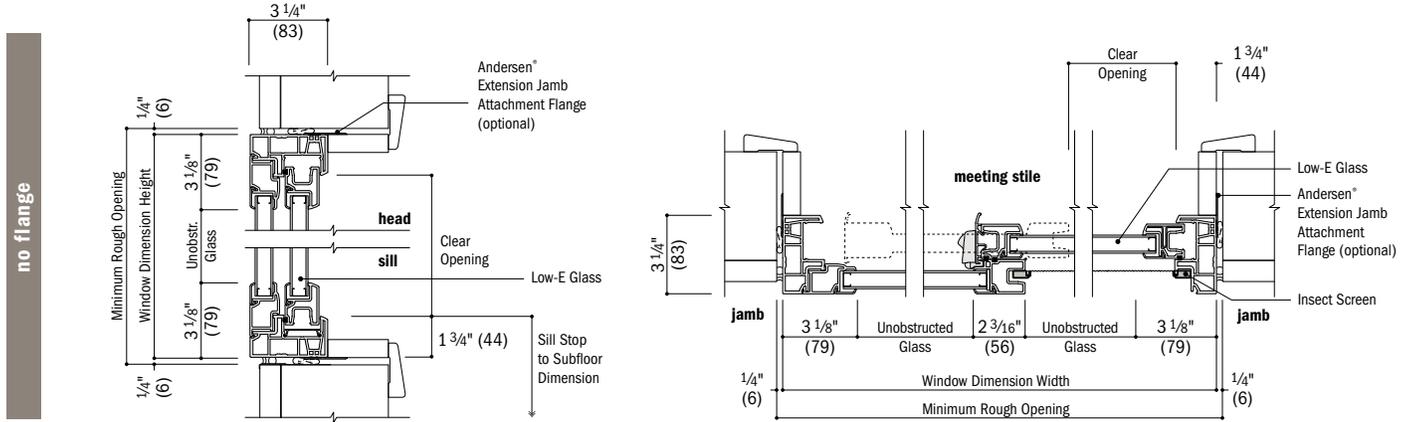
Vertical Section
Picture Over Gliding

See pages 84-87 for joining details.

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

Gliding Window Details - Replacement

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



Installation accessories for insert frame shown on page 109.

See pages 84-87 for joining details.

100 Series Gliding Windows

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

PICTURE, TRANSOM & SPECIALTY WINDOWS

Table of Picture and Single Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on next page also apply to this page.

Window Dimension	11 1/2"	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"
	(292)	(445)	(597)	(749)	(902)	(1054)	(1207)	(1359)	(1511)	(1664)
Minimum Rough Opening	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"
	(305)	(457)	(610)	(762)	(914)	(1067)	(1219)	(1372)	(1524)	(1676)
Unobstructed Glass	5 1/4"	11 1/4"	17 1/4"	23 1/4"	29 1/4"	35 1/4"	41 1/4"	47 1/4"	53 1/4"	59 1/4"
	(133)	(286)	(438)	(591)	(743)	(895)	(1048)	(1200)	(1353)	(1505)

CUSTOM WIDTHS – 11 1/2" to 95 1/2"

Window Dimension	11 1/2"	1'-5 1/2"	1'-11 1/2"	2'-5 1/2"	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"
11 1/2"	(292)	(445)	(597)	(749)	(902)	(1054)	(1207)	(1359)	(1511)	(1664)
1'-5 1/2"	(445)	(457)	(610)	(762)	(914)	(1067)	(1219)	(1372)	(1524)	(1676)
1'-11 1/2"	(597)	(610)	(610)	(762)	(914)	(1067)	(1219)	(1372)	(1524)	(1676)
2'-5 1/2"	(749)	(762)	(914)	(914)	(914)	(914)	(914)	(914)	(914)	(914)
2'-11 1/2"	(902)	(914)	(1067)	(1067)	(1067)	(1067)	(1067)	(1067)	(1067)	(1067)
3'-5 1/2"	(1054)	(1067)	(1219)	(1219)	(1219)	(1219)	(1219)	(1219)	(1219)	(1219)
3'-11 1/2"	(1207)	(1219)	(1372)	(1372)	(1372)	(1372)	(1372)	(1372)	(1372)	(1372)
4'-5 1/2"	(1359)	(1372)	(1524)	(1524)	(1524)	(1524)	(1524)	(1524)	(1524)	(1524)
4'-11 1/2"	(1511)	(1524)	(1676)	(1676)	(1676)	(1676)	(1676)	(1676)	(1676)	(1676)
5'-5 1/2"	(1664)	(1676)	(1829)	(1829)	(1829)	(1829)	(1829)	(1829)	(1829)	(1829)
5'-11 1/2"	(1816)	(1829)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)
6'-5 1/2"	(1969)	(1981)	(2133)	(2133)	(2133)	(2133)	(2133)	(2133)	(2133)	(2133)

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

Picture and transom sizes on pages 66-71.

5'-11 1/2" (1816)	6'-5 1/2" (1969)	6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)
6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)
65 1/4" (1657)	71 1/4" (1810)	77 1/4" (1962)	83 1/4" (2115)	89 1/4" (2267)



Custom-size windows are available in 1/8" (3) increments. See page 90 for custom sizes and specifications.

Details shown on pages 81-82.

Grille patterns shown on page 77.

6010	6610	7010	7610	8010
6016	6616	7016	7616	8016
6020	6620	7020	7620	8020
6026	6626	7026	7626	8026
6030	6630	7030	7630	8030
6036	6636	7036	7636	8036
6040	6640	7040	7640	8040
6046	6646	7046	7646	8046
6050	6650	7050	7650	8050
6056	6656	7056	7656	8056
6060	6660	7060	7660	8060
6066				

continued on next page

- "Window Dimension" always refers to outside frame-to-frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- Dimensions in parentheses are in millimeters.

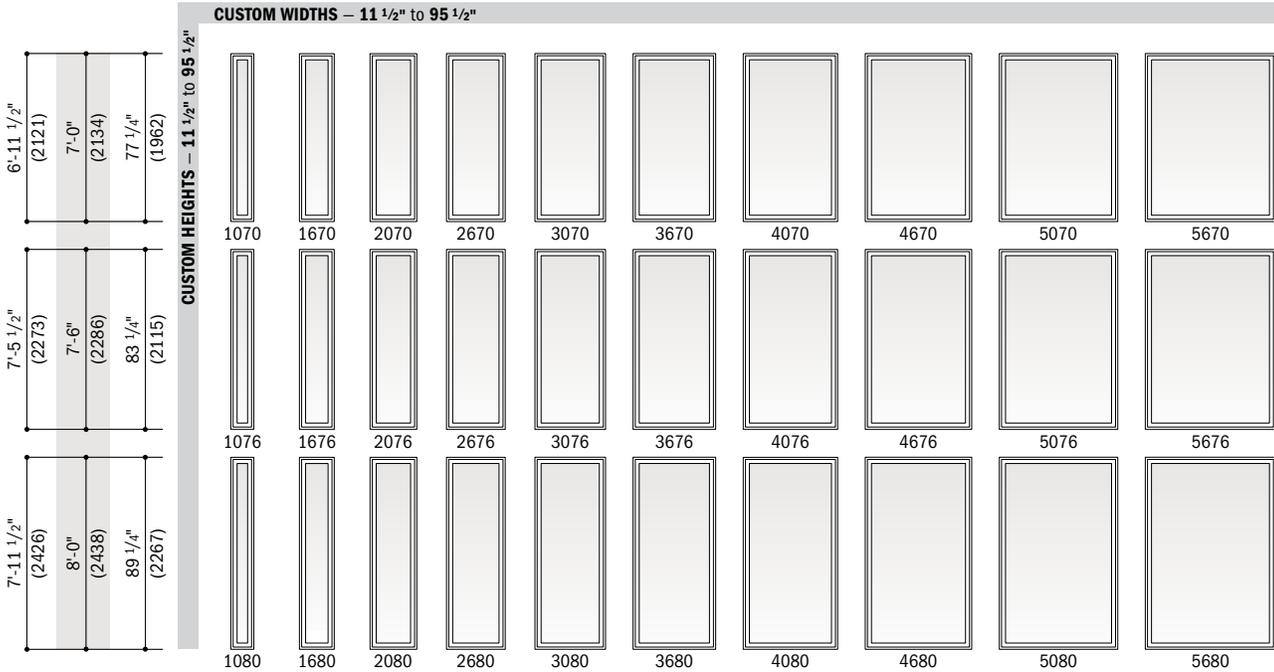
PICTURE, TRANSOM & SPECIALTY WINDOWS

Table of Picture and Single Transom Window Sizes (continued)

Notes on next page also apply to this page.

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	11 1/2" (292)	1'-5 1/2" (445)	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	4'-11 1/2" (1511)	5'-5 1/2" (1664)
Minimum Rough Opening	1'-0" (305)	1'-6" (457)	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)	5'-6" (1676)
Unobstructed Glass	5 1/4" (133)	11 1/4" (286)	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	53 1/4" (1353)	59 1/4" (1505)



- "Window Dimension" always refers to outside frame-to-frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- Dimensions in parentheses are in millimeters.

Picture and Single Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1010	0.19 (0.02)	0.92 (0.09)
1016	0.41 (0.04)	1.40 (0.13)
1020	0.63 (0.06)	1.88 (0.17)
1026	0.85 (0.08)	2.36 (0.22)
1030	1.07 (0.10)	2.84 (0.26)
1036	1.29 (0.12)	3.31 (0.31)
1040	1.50 (0.14)	3.79 (0.35)
1046	1.72 (0.16)	4.27 (0.40)
1050	1.94 (0.18)	4.75 (0.44)
1056	2.16 (0.20)	5.23 (0.49)
1060	2.38 (0.22)	5.71 (0.53)
1066	2.60 (0.24)	6.19 (0.57)
1070	2.82 (0.26)	6.67 (0.62)
1076	3.04 (0.28)	7.15 (0.66)
1080	3.25 (0.30)	7.63 (0.71)
1610	0.41 (0.04)	1.40 (0.13)
1616	0.88 (0.08)	2.13 (0.20)
1620	1.35 (0.13)	2.86 (0.27)
1626	1.82 (0.17)	3.59 (0.33)
1630	2.29 (0.21)	4.31 (0.40)
1636	2.75 (0.26)	5.04 (0.47)
1640	3.22 (0.30)	5.77 (0.54)
1646	3.69 (0.34)	6.50 (0.60)

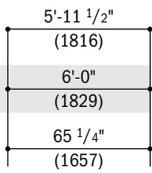
Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1650	4.16 (0.39)	7.23 (0.67)
1656	4.63 (0.43)	7.96 (0.74)
1660	5.10 (0.47)	8.69 (0.81)
1666	5.57 (0.52)	9.42 (0.87)
1670	6.04 (0.56)	10.15 (0.94)
1676	6.50 (0.60)	10.88 (1.01)
1680	6.97 (0.65)	11.61 (1.08)
2010	0.63 (0.06)	1.88 (0.17)
2016	1.35 (0.13)	2.86 (0.27)
2020	2.07 (0.19)	3.84 (0.36)
2026	2.79 (0.26)	4.81 (0.45)
2030	3.50 (0.33)	5.79 (0.54)
2036	4.22 (0.39)	6.77 (0.63)
2040	4.94 (0.46)	7.75 (0.72)
2046	5.66 (0.53)	8.73 (0.81)
2050	6.38 (0.59)	9.71 (0.90)
2056	7.10 (0.66)	10.69 (0.99)
2060	7.82 (0.73)	11.67 (1.08)
2066	8.54 (0.79)	12.65 (1.17)
2070	9.25 (0.86)	13.63 (1.27)
2076	9.97 (0.93)	14.61 (1.36)
2080	10.69 (0.99)	15.59 (1.45)
2610	0.85 (0.08)	2.36 (0.22)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
2616	1.82 (0.17)	3.59 (0.33)
2620	2.79 (0.26)	4.81 (0.45)
2626	3.75 (0.35)	6.04 (0.56)
2630	4.72 (0.44)	7.27 (0.68)
2636	5.69 (0.53)	8.50 (0.79)
2640	6.66 (0.62)	9.73 (0.90)
2646	7.63 (0.71)	10.96 (1.02)
2650	8.60 (0.80)	12.19 (1.13)
2656	9.57 (0.89)	13.42 (1.25)
2660	10.54 (0.98)	14.65 (1.36)
2666	11.50 (1.07)	15.88 (1.47)
2670	12.47 (1.16)	17.11 (1.59)
2676	13.44 (1.25)	18.34 (1.70)
2680	14.41 (1.34)	19.56 (1.82)
3010	1.07 (0.10)	2.84 (0.26)
3016	2.29 (0.21)	4.31 (0.40)
3020	3.50 (0.33)	5.79 (0.54)
3026	4.72 (0.44)	7.27 (0.68)
3030	5.94 (0.55)	8.75 (0.81)
3036	7.16 (0.67)	10.23 (0.95)
3040	8.38 (0.78)	11.71 (1.09)

• Dimensions in parentheses are in square meters.

continued on next page

Picture and transom sizes on pages 66-71.



6070



6076



6080

Custom-size windows are available in 1/8" (3) increments. See page 90 for custom sizes and specifications.

Details shown on pages 81-82. Grille patterns shown on page 77.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

Picture and Single Transom Window Area Specifications *(continued)*

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
3046	9.60 (0.89)	13.19 (1.23)
3050	10.82 (1.00)	14.67 (1.36)
3056	12.04 (1.12)	16.15 (1.50)
3060	13.25 (1.23)	17.63 (1.64)
3066	14.47 (1.34)	19.11 (1.77)
3070	15.69 (1.46)	20.59 (1.91)
3076	16.91 (1.57)	22.06 (2.05)
3080	18.13 (1.68)	23.54 (2.19)
3610	1.29 (0.12)	3.31 (0.31)
3616	2.75 (0.26)	5.04 (0.47)
3620	4.22 (0.39)	6.77 (0.63)
3626	5.69 (0.53)	8.50 (0.79)
3630	7.16 (0.67)	10.23 (0.95)
3636	8.63 (0.80)	11.96 (1.11)
3640	10.10 (0.94)	13.69 (1.27)
3646	11.57 (1.07)	15.42 (1.43)
3650	13.04 (1.21)	17.15 (1.59)
3656	14.50 (1.35)	18.88 (1.75)
3660	15.97 (1.48)	20.61 (1.91)
3666	17.44 (1.62)	22.34 (2.07)
3670	18.91 (1.76)	24.06 (2.24)
3676	20.38 (1.89)	25.79 (2.40)
3680	21.85 (2.03)	27.52 (2.56)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
4010	1.50 (0.14)	3.79 (0.35)
4016	3.22 (0.30)	5.77 (0.54)
4020	4.94 (0.46)	7.75 (0.72)
4026	6.66 (0.62)	9.73 (0.90)
4030	8.38 (0.78)	11.71 (1.09)
4036	10.10 (0.94)	13.69 (1.27)
4040	11.82 (1.10)	15.67 (1.46)
4046	13.54 (1.26)	17.65 (1.64)
4050	15.25 (1.42)	19.63 (1.82)
4056	16.97 (1.58)	21.61 (2.01)
4060	18.69 (1.74)	23.59 (2.19)
4066	20.41 (1.90)	25.56 (2.37)
4070	22.13 (2.06)	27.54 (2.56)
4076	23.85 (2.22)	29.52 (2.74)
4080	25.57 (2.38)	31.50 (2.93)
4610	1.72 (0.16)	4.27 (0.40)
4616	3.69 (0.34)	6.50 (0.60)
4620	5.66 (0.53)	8.73 (0.81)
4626	7.63 (0.71)	10.96 (1.02)
4630	9.60 (0.89)	13.19 (1.23)
4636	11.57 (1.07)	15.42 (1.43)
4640	13.54 (1.26)	17.65 (1.64)
4646	15.50 (1.44)	19.88 (1.85)
4650	17.47 (1.62)	22.11 (2.05)
4656	19.44 (1.81)	24.34 (2.26)
4660	21.41 (1.99)	26.56 (2.47)
4666	23.38 (2.17)	28.79 (2.67)
4670	25.35 (2.35)	31.02 (2.88)
4676	27.32 (2.54)	33.25 (3.09)
4680	29.29 (2.72)	35.48 (3.30)
5010	1.94 (0.18)	4.75 (0.44)
5016	4.16 (0.39)	7.23 (0.67)
5020	6.38 (0.59)	9.71 (0.90)
5026	8.60 (0.80)	12.19 (1.13)
5030	10.82 (1.00)	14.67 (1.36)
5036	13.04 (1.21)	17.15 (1.59)
5040	15.25 (1.42)	19.63 (1.82)
5046	17.47 (1.62)	22.11 (2.05)
5050	19.69 (1.83)	24.59 (2.28)
5056	21.91 (2.04)	27.06 (2.51)
5060	24.13 (2.24)	29.54 (2.74)
5066	26.35 (2.45)	32.02 (2.97)
5070	28.57 (2.65)	34.50 (3.21)
5076	30.79 (2.86)	36.98 (3.44)
5080	33.00 (3.07)	39.46 (3.67)
5610	2.16 (0.20)	5.23 (0.49)
5616	4.63 (0.43)	7.96 (0.74)
5620	7.10 (0.66)	10.69 (0.99)
5626	9.57 (0.89)	13.42 (1.25)
5630	12.04 (1.12)	16.15 (1.50)
5636	14.50 (1.35)	18.88 (1.75)
5640	16.97 (1.58)	21.61 (2.01)
5646	19.44 (1.81)	24.34 (2.26)
5650	21.91 (2.04)	27.06 (2.51)
5656	24.38 (2.26)	29.79 (2.77)
5660	26.85 (2.49)	32.52 (3.02)
5666	29.32 (2.72)	35.25 (3.27)
5670	31.79 (2.95)	37.98 (3.53)
5676	34.25 (3.18)	40.71 (3.78)
5680	36.72 (3.41)	43.44 (4.04)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
6010	2.38 (0.22)	5.71 (0.53)
6016	5.10 (0.47)	8.69 (0.81)
6020	7.82 (0.73)	11.67 (1.08)
6026	10.54 (0.98)	14.65 (1.36)
6030	13.25 (1.23)	17.63 (1.64)
6036	15.97 (1.48)	20.61 (1.91)
6040	18.69 (1.74)	23.59 (2.19)
6046	21.41 (1.99)	26.56 (2.47)
6050	24.13 (2.24)	29.54 (2.74)
6056	26.85 (2.49)	32.52 (3.02)
6060	29.57 (2.75)	35.50 (3.30)
6066	32.29 (3.00)	38.48 (3.57)
6070	35.00 (3.25)	41.46 (3.85)
6076	37.72 (3.50)	44.44 (4.13)
6080	40.44 (3.76)	47.42 (4.41)
6610	2.60 (0.24)	6.19 (0.57)
6616	5.57 (0.52)	9.42 (0.87)
6620	8.54 (0.79)	12.65 (1.17)
6626	11.50 (1.07)	15.88 (1.47)
6630	14.47 (1.34)	19.11 (1.77)
6636	17.44 (1.62)	22.34 (2.07)
6640	20.41 (1.90)	25.56 (2.37)
6646	23.38 (2.17)	28.79 (2.67)
6650	26.35 (2.45)	32.02 (2.97)
6656	29.32 (2.72)	35.25 (3.27)
6660	32.29 (3.00)	38.48 (3.57)
7010	2.82 (0.26)	6.67 (0.62)
7016	6.04 (0.56)	10.15 (0.94)
7020	9.25 (0.86)	13.63 (1.27)
7026	12.47 (1.16)	17.11 (1.59)
7030	15.69 (1.46)	20.59 (1.91)
7036	18.91 (1.76)	24.06 (2.24)
7040	22.13 (2.06)	27.54 (2.56)
7046	25.35 (2.35)	31.02 (2.88)
7050	28.57 (2.65)	34.50 (3.21)
7056	31.79 (2.95)	37.98 (3.53)
7060	35.00 (3.25)	41.46 (3.85)
7610	3.04 (0.28)	7.15 (0.66)
7616	6.50 (0.60)	10.88 (1.01)
7620	9.97 (0.93)	14.61 (1.36)
7626	13.44 (1.25)	18.34 (1.70)
7630	16.91 (1.57)	22.06 (2.05)
7636	20.38 (1.89)	25.79 (2.40)
7640	23.85 (2.22)	29.52 (2.74)
7646	27.32 (2.54)	33.25 (3.09)
7650	30.79 (2.86)	36.98 (3.44)
7656	34.25 (3.18)	40.71 (3.78)
7660	37.72 (3.50)	44.44 (4.13)
8010	3.25 (0.30)	7.63 (0.71)
8016	6.97 (0.65)	11.61 (1.08)
8020	10.69 (0.99)	15.59 (1.45)
8026	14.41 (1.34)	19.56 (1.82)
8030	18.13 (1.68)	23.54 (2.19)
8036	21.85 (2.03)	27.52 (2.56)
8040	25.57 (2.38)	31.50 (2.93)
8046	29.29 (2.72)	35.48 (3.30)
8050	33.00 (3.07)	39.46 (3.67)
8056	36.72 (3.41)	43.44 (4.04)
8060	40.44 (3.76)	47.42 (4.41)

• Dimensions in parentheses are in square meters.

100 Series Picture, Transom & Specialty Windows

PICTURE, TRANSOM & SPECIALTY WINDOWS

Table of Twin and Triple Transom Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on next page also apply to this page.

Window Dimension	2'-11 1/2"	3'-5 1/2"	3'-11 1/2"	4'-5 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"	6'-11 1/2"
	(902)	(1054)	(1207)	(1359)	(1511)	(1664)	(1816)	(2121)
Minimum Rough Opening	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"
	(914)	(1067)	(1219)	(1372)	(1524)	(1676)	(1829)	(2134)
Unobstructed Glass (width of twin single sash)	11 1/4"	14 1/4"	17 1/4"	20 1/4"	23 1/4"	26 1/4"	29 1/4"	35 1/4"
	(286)	(362)	(438)	(514)	(591)	(667)	(743)	(895)
Unobstructed Glass (width of triple single sash)				11 1/4"			17 1/4"	
				(286)			(438)	

CUSTOM WIDTHS TWIN – 35 1/2" to 95 1/2" TRIPLE – 53 1/2" to 143 1/2"

CUSTOM HEIGHTS – 11 1/2" to 23 1/2"

| Window Number |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1610-2 | 1910-2 | 2010-2 | 2310-2 | 2610-2 | 2910-2 | 3010-2 | 3610-2 |
| 1610-3 | | | 1610-3 | | | 2010-3 | |
| 1616-2 | 1916-2 | 2016-2 | 2316-2 | 2616-2 | 2916-2 | 3016-2 | 3616-2 |
| | | | 1616-3 | | | 2016-3 | |
| 1620-2 | 1920-2 | 2020-2 | 2320-2 | 2620-2 | 2920-2 | 3020-2 | 3620-2 |
| | | | 1620-3 | | | 2020-3 | |

- * "Window Dimension" always refers to outside frame-to-frame dimension.
- * "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- * Dimensions in parentheses are in millimeters.

Twin Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1610-2	1.02 (0.08)	2.84 (0.26)
1910-2	0.84 (0.10)	3.31 (0.31)
2010-2	1.26 (0.12)	3.79 (0.35)
2310-2	1.48 (0.14)	4.27 (0.40)
2610-2	1.70 (0.16)	4.75 (0.44)
2910-2	1.91 (0.18)	5.23 (0.49)
3010-2	2.13 (0.20)	5.71 (0.53)
3610-2	2.57 (0.24)	6.67 (0.62)
4010-2	3.01 (0.28)	7.63 (0.71)
1616-2	1.76 (0.16)	4.31 (0.40)
1916-2	2.23 (0.21)	5.04 (0.47)
2016-2	2.70 (0.25)	5.77 (0.54)
2316-2	3.16 (0.29)	6.50 (0.60)
2616-2	3.63 (0.34)	7.23 (0.67)
2916-2	4.10 (0.38)	7.96 (0.74)
3016-2	4.57 (0.42)	8.69 (0.81)
3616-2	5.51 (0.51)	10.15 (0.94)
4016-2	6.45 (0.60)	11.61 (1.08)
1620-2	2.70 (0.25)	5.79 (0.54)
1920-2	3.41 (0.32)	6.77 (0.63)
2020-2	4.13 (0.38)	7.75 (0.72)
2320-2	4.85 (0.45)	8.73 (0.81)
2620-2	5.57 (0.52)	9.71 (0.90)
2920-2	6.29 (0.58)	10.69 (0.99)
3020-2	7.01 (0.65)	11.67 (1.08)
3620-2	8.45 (0.78)	13.63 (1.27)
4020-2	9.88 (0.92)	15.59 (1.45)

* Dimensions in parentheses are in square meters.

Triple Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1610-3	1.23 (0.11)	4.27 (0.40)
2010-3	1.89 (0.18)	5.71 (0.53)
2610-3	2.54 (0.24)	7.15 (0.66)
3010-3	3.20 (0.30)	8.59 (0.80)
3610-3	3.86 (0.36)	10.02 (0.93)
4010-3	4.51 (0.42)	11.46 (1.06)
1616-3	2.64 (0.24)	6.50 (0.60)
2016-3	4.04 (0.38)	8.69 (0.81)
2616-3	5.45 (0.51)	10.88 (1.01)
3016-3	6.86 (0.64)	13.06 (1.21)
3616-3	8.26 (0.77)	15.25 (1.42)
4016-3	9.67 (0.90)	17.44 (1.62)
1620-3	4.04 (0.38)	8.73 (0.81)
2020-3	6.20 (0.58)	11.67 (1.08)
2620-3	8.36 (0.78)	14.61 (1.36)
3020-3	10.51 (0.98)	17.54 (1.63)
3620-3	12.67 (1.18)	20.48 (1.90)
4020-3	14.82 (1.38)	23.42 (2.18)

* Dimensions in parentheses are in square meters.

Half Circle Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
20	0.80 (0.07)	2.02 (0.19)
26	1.46 (0.14)	3.01 (0.28)
30	2.32 (0.22)	4.21 (0.39)
36	3.37 (0.31)	5.60 (0.52)
40	4.62 (0.43)	7.18 (0.67)
46	6.06 (0.56)	8.97 (0.83)
50	7.70 (0.72)	10.95 (1.02)
56	9.54 (0.89)	13.12 (1.22)
60	11.58 (1.08)	15.49 (1.44)
66	13.81 (1.28)	18.06 (1.68)
70	16.23 (1.51)	20.83 (1.93)
76	18.85 (1.75)	23.79 (2.21)
80	21.67 (2.01)	26.94 (2.50)

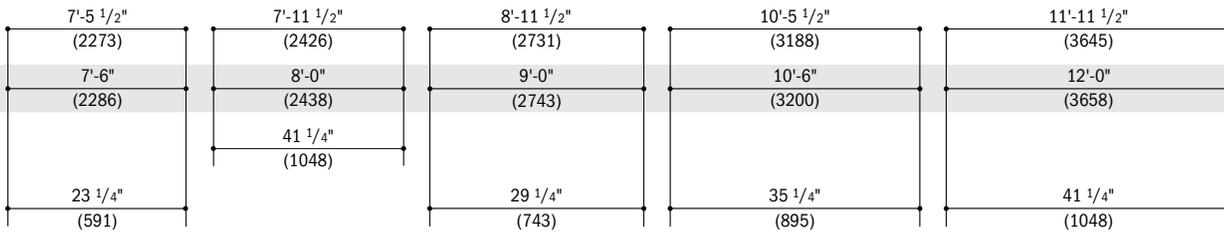
* Dimensions in parentheses are in square meters.

Circle Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
2020	1.61 (0.15)	3.01 (0.28)
2626	2.93 (0.27)	4.75 (0.44)
3030	4.65 (0.43)	6.87 (0.64)
3636	6.75 (0.63)	9.39 (0.87)
4040	9.25 (0.86)	12.31 (1.14)

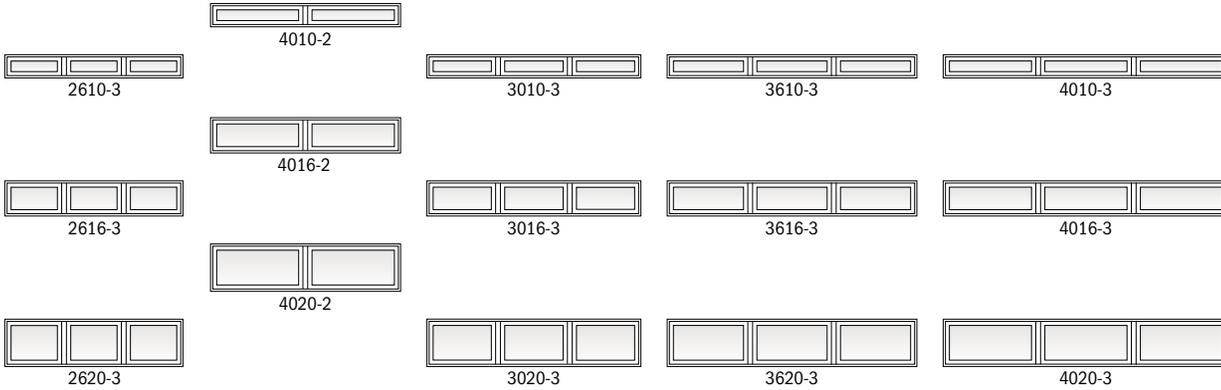
* Dimensions in parentheses are in square meters.

Picture and transom sizes on pages 66-71.



Custom-size windows are available in 1/8" (3) increments. See page 90 for custom sizes and specifications.

Windows have one continuous outer frame. Details shown on pages 82-83.



- "Window Dimension" always refers to outside frame-to-frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- Dimensions in parentheses are in millimeters.

Quarter Circle Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1616	0.69 (0.06)	1.82 (0.17)
2020	1.62 (0.15)	3.22 (0.30)
2626	2.95 (0.27)	5.01 (0.47)
3030	4.67 (0.43)	7.19 (0.67)
3636	6.78 (0.63)	9.77 (0.91)
4040	9.28 (0.86)	12.73 (1.18)
4646	12.18 (1.13)	16.09 (1.50)
5050	15.47 (1.44)	19.85 (1.84)

• Dimensions in parentheses are in square meters.

Springline™ Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
2020	3.23 (0.30)	5.34 (0.50)
2026	3.95 (0.37)	6.32 (0.59)
2030	4.67 (0.43)	7.30 (0.68)
2036	5.38 (0.50)	8.28 (0.77)
2040	6.10 (0.57)	9.26 (0.86)
2046	6.81 (0.63)	10.24 (0.95)
2050	7.53 (0.70)	11.22 (1.04)
2620	4.74 (0.44)	7.19 (0.67)
2626	5.71 (0.53)	8.42 (0.78)
2630	6.67 (0.62)	9.65 (0.90)
2636	7.64 (0.71)	10.87 (1.01)
2640	8.61 (0.80)	12.10 (1.12)
2646	9.57 (0.89)	13.33 (1.24)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
2650	10.54 (0.98)	14.56 (1.35)
3020	6.45 (0.60)	9.23 (0.86)
3026	7.66 (0.71)	10.71 (0.99)
3030	8.88 (0.82)	12.19 (1.13)
3036	10.10 (0.94)	13.67 (1.27)
3040	11.31 (1.05)	15.15 (1.41)
3046	12.53 (1.16)	16.63 (1.54)
3050	13.74 (1.28)	18.11 (1.68)
3620	8.35 (0.78)	11.47 (1.07)
3626	9.81 (0.91)	13.20 (1.23)
3630	11.28 (1.05)	14.93 (1.39)
3636	12.75 (1.18)	16.66 (1.55)
3640	14.21 (1.32)	18.39 (1.71)
3646	15.68 (1.46)	20.12 (1.87)
3650	17.14 (1.59)	21.84 (2.03)
4020	10.45 (0.97)	13.90 (1.29)
4026	12.16 (1.13)	15.88 (1.48)
4030	13.88 (1.29)	17.86 (1.66)
4036	15.59 (1.45)	19.84 (1.84)
4040	17.31 (1.61)	21.82 (2.03)
4046	19.03 (1.77)	23.80 (2.21)
4050	20.74 (1.93)	25.78 (2.40)
4620	12.74 (1.18)	16.54 (1.54)
4626	14.71 (1.37)	18.77 (1.74)
4630	16.67 (1.55)	20.99 (1.95)
4636	18.64 (1.73)	23.22 (2.16)
4640	20.60 (1.91)	25.45 (2.36)
4646	22.57 (2.10)	27.68 (2.57)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
4650	24.54 (2.28)	29.91 (2.78)
5020	15.23 (1.41)	19.36 (1.80)
5026	17.45 (1.62)	21.84 (2.03)
5030	19.66 (1.83)	24.32 (2.26)
5036	21.88 (2.03)	26.80 (2.49)
5040	24.09 (2.24)	29.28 (2.72)
5046	26.31 (2.44)	31.76 (2.95)
5050	28.53 (2.65)	34.24 (3.18)
5620	17.92 (1.66)	22.39 (2.08)
5626	20.38 (1.89)	25.12 (2.33)
5630	22.85 (2.12)	27.85 (2.59)
5636	25.31 (2.35)	30.58 (2.84)
5640	27.78 (2.58)	33.31 (3.09)
5646	30.25 (2.81)	36.03 (3.35)
5650	32.71 (3.04)	38.76 (3.60)
6020	20.80 (1.93)	25.61 (2.38)
6026	23.51 (2.18)	28.59 (2.66)
6030	26.23 (2.44)	31.57 (2.93)
6036	28.95 (2.69)	34.55 (3.21)
6040	31.66 (2.94)	37.53 (3.49)
6046	34.38 (3.19)	40.51 (3.76)
6050	37.10 (3.45)	43.48 (4.04)

• Dimensions in parentheses are in square meters.

PICTURE, TRANSOM & SPECIALTY WINDOWS

Table of Half Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)
Minimum Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)
Unobstructed Glass	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)
Radius	11 3/4" (298)	14 3/4" (375)	17 3/4" (451)
1'-2 7/8" (378)	1'-3 3/8" (391)	1'-6 3/8" (467)	1'-8 7/8" (530)
8 5/8" (219)	11 5/8" (295)	14 5/8" (371)	17 3/4" (451)
20	26	30	
3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	
3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	
35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	
20 3/4" (527)	23 3/4" (603)	26 3/4" (679)	
1'-11 7/8" (606)	2'-2 7/8" (683)	2'-5 7/8" (759)	2'-8 7/8" (835)
2'-0 3/8" (619)	2'-3 3/8" (695)	2'-6 3/8" (772)	2'-9 3/8" (848)
17 5/8" (448)	20 5/8" (524)	23 5/8" (600)	26 5/8" (676)
36	40	46	
4'-11 1/2" (1511)	5'-5 1/2" (1664)	5'-11 1/2" (1816)	6'-5 1/2" (1969)
5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)
53 1/4" (1353)	59 1/4" (1505)	65 1/4" (1657)	71 1/4" (1810)
29 3/4" (756)	32 3/4" (832)	35 3/4" (908)	38 3/4" (984)
2'-8 7/8" (835)	2'-11 7/8" (911)	3'-2 7/8" (987)	3'-5 7/8" (1064)
2'-9 3/8" (848)	3'-0 3/8" (924)	3'-3 3/8" (1000)	3'-6 3/8" (1076)
26 5/8" (676)	29 5/8" (752)	32 5/8" (829)	35 5/8" (905)
50	56	60	66
6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)	
7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	
77 1/4" (1962)	83 1/4" (2115)	89 1/4" (2267)	
41 3/4" (1060)	44 3/4" (1137)	47 3/4" (1213)	
3'-8 7/8" (1140)	3'-11 7/8" (1216)	4'-2 7/8" (1292)	4'-5 7/8" (1133)
3'-9 3/8" (1153)	4'-0 3/8" (1229)	4'-3 3/8" (1305)	4'-6 3/8" (1381)
38 5/8" (981)	41 5/8" (1057)	44 5/8" (1133)	47 5/8" (1209)
70	76	80	



Custom-size half circle windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.

Details shown on pages 81-82.
Grille patterns shown on page 77.

* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

Table of Quarter Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-5 1/2" (445)	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)
Minimum Rough Opening	1'-6" (457)	2'-0" (610)	2'-6" (762)	3'-0" (914)
Unobstructed Glass	5 1/4" (133)	17 1/2" (438)	23 1/4" (591)	29 1/4" (743)
Radius	14 3/8" (365)	20 3/8" (518)	26 3/8" (670)	32 3/8" (822)

1'-5 1/2" (445)	1'-6" (457)	5 1/4" (133)		1616
1'-11 1/2" (597)	2'-0" (610)	17 1/2" (438)		2020
2'-5 1/2" (749)	2'-6" (762)	23 1/4" (591)		2626
2'-11 1/2" (902)	3'-0" (914)	29 1/4" (743)		3030
3'-5 1/2" (1054)	3'-6" (1067)	35 1/4" (895)		3636
3'-11 1/2" (1207)	4'-0" (1219)	41 1/4" (1048)		4040
4'-5 1/2" (1359)	4'-6" (1372)	47 1/4" (1200)		4646
4'-11 1/2" (1511)	5'-0" (1524)	53 1/4" (1353)		5050


Custom-size quarter circle windows are available in 1/8" (3) increments.

Contact your Andersen supplier for more information.

Details shown on pages 81-82. Grille patterns shown on page 77.

Table of Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)
Minimum Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)
Unobstructed Glass	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)

2020	2626	3030	3636	4040


Custom-size circle windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.

Details shown on pages 81-82.

Grille patterns shown on page 77.

• "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

PICTURE, TRANSOM & SPECIALTY WINDOWS



These custom shapes are available in 1/8" (3) increments.

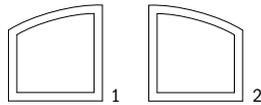
Design Criteria

Listed for each custom shape are factors that must be considered when deciding on a custom-shaped specialty window.

Details shown on pages 81-82.

Grilles are available for most shapes and sizes in colonial and specified equal divided light patterns. For more information on divided light, see page 13 or contact your Andersen supplier.

Custom Unequal Leg Arch



Choose left facing (1) or right facing (2) as viewed from the exterior. Contains unequal legs, two right angles at the sill and an arch at the top.

Custom-size design limitations:

Min./Max. Window Width
17 1/2" (445) to 95 1/2" (2426)

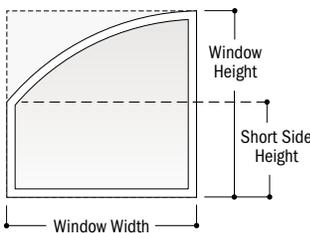
Min./Max. Window Height
11 3/8" (289) to 95 1/2" (2426)

Min./Max. Short Side Height
9 3/4" (248) to 93 7/8" (2384)

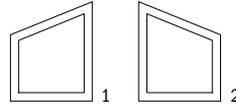
Max. Frame Area: 40 sq. ft. or 3.7 m²

Based on the smallest square or rectangular shape that covers the entire window.

Additional limitations may apply. Contact your Andersen supplier for more information.



Custom Trapezoid



Choose left facing (1) or right facing (2) as viewed from the exterior. Contains a slope to the left or right. Slope is often designed to match a roof's pitch.

Custom-size design limitations:

Min./Max. Window Width
17 1/2" (445) to 107 1/2" (2731)

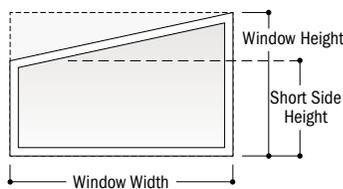
Min./Max. Window Height
9 7/8" (251) to 95 1/2" (2426)

Min./Max. Short Side Height
9 3/4" (248) to 95 3/8" (2423)

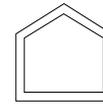
Max. Frame Area: 40 sq. ft. or 3.7 m²

Based on the smallest square or rectangular shape that covers the entire window.

Additional limitations may apply. Contact your Andersen supplier for more information.



Custom Peak Pentagon



Contains sides of equal length, extending at right angles from the sill and two angled sides of equal length that peak above the center of the sill.

Custom-size design limitations:

Min./Max. Window Width
17 1/2" (445) to 107 1/2" (2731)

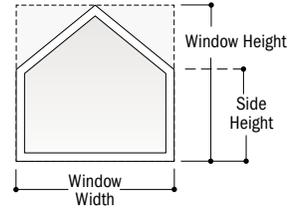
Min./Max. Window Height
14 1/8" (359) to 107 1/2" (2731)

Min./Max. Side Height
9 3/4" (248) to 94 1/8" (2391)

Max. Frame Area: 40 sq. ft. or 3.7 m²

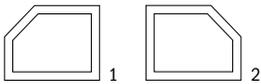
Based on the smallest square or rectangular shape that covers the entire window.

Additional limitations may apply. Contact your Andersen supplier for more information.



*Dimensions in parentheses are in millimeters.

Custom Angled Pentagon



Choose left facing (1) or right facing (2) as viewed from the exterior. Contains an angle cut, or a "clipped corner," sloping to the left or right.

Custom-size design limitations:

Min./Max. Window Width
17 1/2" (445) to 107 1/2" (2731)

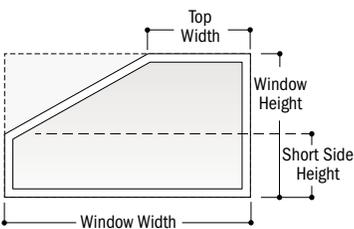
Min./Max. Top Width
9 3/4" (248) to 107 3/8" (2727)

Min./Max. Window Height
14 3/8" (365) to 107 1/2" (2731)

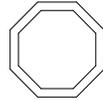
Min./Max. Short Side Height
9 3/4" (248) to 94 1/8" (226)

Max. Frame Area: 40 sq. ft. or 3.7 m²
Based on the smallest square or rectangular shape that covers the entire window.

Additional limitations may apply. Contact your Andersen supplier for more information.



Custom Octagon



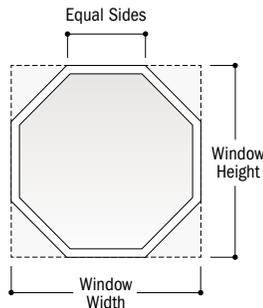
Contains eight equal angles and sides.

Custom-size design limitations:

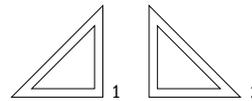
Min./Max. Window Width
23 1/2" (597) to 71 1/2" (1816)

Min./Max. Window Height
23 1/2" (597) to 71 1/2" (1816)

Additional limitations may apply. Contact your Andersen supplier for more information.



Custom Right Triangle



Choose left facing (1) or right facing (2) as viewed from the exterior. Contains one 90-degree angle.

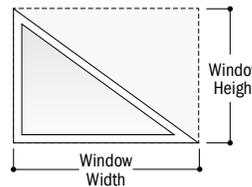
Custom-size design limitations:

Min./Max. Window Width
17 1/2" (445) to 95 1/2" (2426)

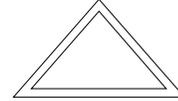
Min./Max. Window Height
17 1/2" (445) to 95 1/2" (2426)

Max. Frame Area: 40 sq. ft. or 3.7 m²
Based on the smallest square or rectangular shape that covers the entire window.

Additional limitations may apply. Contact your Andersen supplier for more information.



Custom Isosceles Triangle



Contains two sides of equal length and two equal angles.

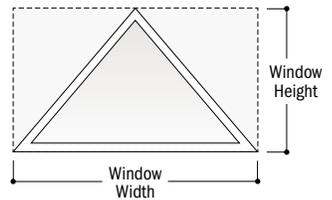
Custom-size design limitations:

Min./Max. Window Width
17 1/2" (445) to 107 1/2" (2731)

Min./Max. Window Height
17 1/2" (445) to 75 7/8" (1927)

Max. Frame Area: 40 sq. ft. or 3.7 m²
Based on the smallest square or rectangular shape that covers the entire window.

Additional limitations may apply. Contact your Andersen supplier for more information.



* Dimensions in parentheses are in millimeters.

PICTURE, TRANSOM & SPECIALTY WINDOWS

Table of Springline™ Window Sizes

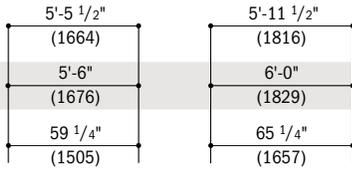
Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on next page also apply to this page.

Window Width Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	4'-11 1/2" (1511)
Minimum Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)
Unobstructed Glass	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	53 1/4" (1353)

Window Height Shown in Table	CUSTOM SIZES AVAILABLE							
	Radius	11 3/4" (298)	14 3/4" (375)	17 3/4" (451)	20 3/4" (527)	23 3/4" (603)	26 3/4" (679)	29 3/4" (756)
Chord Height		11 3/4" (298)	14 3/4" (375)	17 3/4" (451)	20 3/4" (527)	23 3/4" (603)	26 3/4" (679)	29 3/4" (756)
Side Height	1'-11 1/2" (597)	2'-11 1/4" (895)	3'-2 1/4" (972)	3'-5 1/4" (1048)	3'-8 1/4" (1124)	3'-11 1/4" (1200)	4'-2 1/4" (1276)	4'-5 1/4" (1353)
		2020	2620	3020	3620	4020	4620	5020
	2'-5 1/2" (749)	3'-5 1/4" (1048)	3'-8 1/4" (1124)	3'-11 1/4" (1200)	4'-2 1/4" (1276)	4'-5 1/4" (1353)	4'-8 1/4" (1429)	4'-11 1/4" (1505)
		2026	2626	3026	3626	4026	4626	5026
	2'-11 1/2" (902)	3'-11 1/4" (1200)	4'-2 1/4" (1276)	4'-5 1/4" (1353)	4'-8 1/4" (1429)	4'-11 1/4" (1505)	5'-2 1/4" (1581)	5'-5 1/4" (1657)
		2030	2630	3030	3630	4030	4630	5030
	3'-5 1/2" (1054)	4'-5 1/4" (1353)	4'-8 1/4" (1429)	4'-11 1/4" (1505)	5'-2 1/4" (1581)	5'-5 1/4" (1657)	5'-8 1/4" (1734)	5'-11 1/4" (1810)
		2036	2636	3036	3636	4036	4636	5036
	3'-11 1/2" (1207)	4'-11 1/4" (1505)	5'-2 1/4" (1581)	5'-5 1/4" (1657)	5'-8 1/4" (1734)	5'-11 1/4" (1810)	6'-2 1/4" (1886)	6'-5 1/4" (1962)
		2040	2640	3040	3640	4040	4640	5040
	4'-5 1/2" (1359)	5'-5 1/4" (1657)	5'-8 1/4" (1734)	5'-11 1/4" (1810)	6'-2 1/4" (1886)	6'-5 1/4" (1962)	6'-8 1/4" (2038)	6'-11 1/4" (2115)
		2046	2646	3046	3646	4046	4646	5046
	4'-11 1/2" (1511)	5'-11 1/4" (1810)	6'-2 1/4" (1886)	6'-5 1/4" (1962)	6'-8 1/4" (2038)	6'-11 1/4" (2115)	7'-2 1/4" (2191)	7'-5 1/4" (2267)
		2050	2650	3050	3650	4050	4650	5050

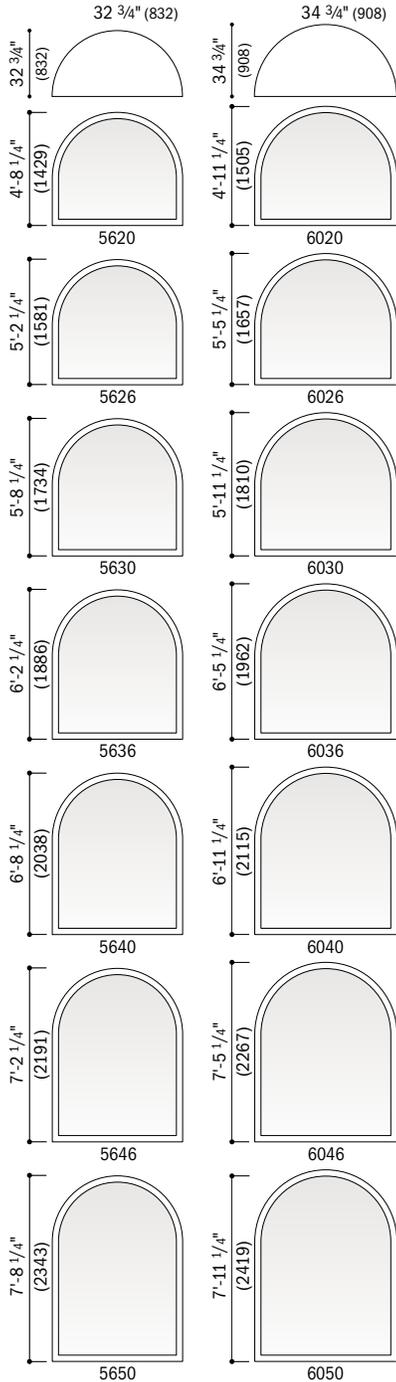
* "Window Dimension" always refers to outside frame-to-frame dimension.
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.



Custom-size windows are available in 1/8" (3) increments. Contact your Andersen supplier for more information.

For Springline™ and arch windows, the size designation does not reflect overall window height. (e.g., a 2020 Springline window size has a side height of 1'-11 1/2" and an overall window height of 2'-11 1/4".)

Details shown on pages 81-82.
Grille patterns shown below.

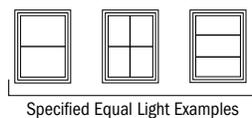


Grille Patterns

	Colonial	Renaissance	Sunburst
Half Circle			
Quarter Circle			
Circle			
Springline™			
Arch			

Number of lights and overall pattern varies with window size. Patterns are not available in all configurations. Specialty window patterns may not align with picture window patterns when joined. Specified equal light pattern is available for all shapes except quarter circle. For specified equal light, specify number of same-size rectangles across or down. Custom grille patterns are available for picture and transom windows. For more information on divided light, see page 13 or visit andersenwindows.com/grilles.

	Prairie A	Colonial	Modified Colonial	Tall Fractional	Short Fractional
Transom					
Picture					



*"Window Dimension" always refers to outside frame-to-frame dimension.
 **"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
 • Dimensions in parentheses are in millimeters.

PICTURE, TRANSOM & SPECIALTY WINDOWS

Table of Arch Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Notes on page 77 also apply to this pages.

Window Width Dimension	1'-11 1/2" (597)	2'-5 1/2" (749)	2'-11 1/2" (902)	3'-5 1/2" (1054)	3'-11 1/2" (1207)	4'-5 1/2" (1359)	4'-11 1/2" (1511)
Minimum Rough Opening	2'-0" (610)	2'-6" (762)	3'-0" (914)	3'-6" (1067)	4'-0" (1219)	4'-6" (1372)	5'-0" (1524)
Unobstructed Glass	17 1/4" (438)	23 1/4" (591)	29 1/4" (743)	35 1/4" (895)	41 1/4" (1048)	47 1/4" (1200)	53 1/4" (1353)

Window Height Shown in Table

CUSTOM SIZES AVAILABLE

CUSTOM SIZES AVAILABLE

Minimum Rough Opening = Window Height + 1/2"
(13)

Unobstructed Glass = Window Height – 6.25"
(159)

Radius	23 1/2" (597)	29 1/2" (749)	35 1/2" (902)	41 1/2" (1054)	47 1/2" (1207)	53 1/2" (1359)	59 1/2" (1511)
Chord Height	3 5/32" (80)	3 15/16" (100)	4 3/8" (121)	5 9/16" (141)	6 3/8" (162)	7 5/32" (182)	7 31/32" (202)
Side Height	11 1/2" (292)	1'-3 7/16" (392)	1'-4 1/4" (413)	1'-5 1/16" (433)	1'-5 7/8" (454)	1'-6 21/32" (474)	1'-7 15/32" (495)
2010	2010	2610	3010	3610	4010	4610	5010
1'-5 1/2" (445)	1'-8 21/32" (524)	1'-9 7/16" (545)	1'-10 1/4" (565)	1'-11 1/16" (586)	1'-11 7/8" (606)	2'-0 21/32" (627)	2'-1 15/32" (647)
2016	2016	2616	3016	3616	4016	4616	5016
1'-11 1/2" (597)	2'-2 21/32" (677)	2'-3 7/16" (697)	2'-4 1/4" (718)	2'-5 1/16" (738)	2'-5 7/8" (759)	2'-6 21/32" (779)	2'-7 15/32" (799)
2020	2020	2620	3020	3620	4020	4620	5020
2'-5 1/2" (749)	2'-8 21/32" (829)	2'-9 7/16" (850)	2'-10 1/4" (870)	2'-11 1/16" (891)	2'-11 7/8" (911)	3'-0 21/32" (931)	3'-1 15/32" (952)
2026	2026	2626	3026	3626	4026	4626	5026
2'-11 1/2" (902)	3'-2 21/32" (982)	3'-3 7/16" (1002)	3'-4 1/4" (1023)	3'-5 1/16" (1043)	3'-5 7/8" (1063)	3'-6 21/32" (1084)	3'-7 15/32" (1104)
2030	2030	2630	3030	3630	4030	4630	5030
3'-5 1/2" (1054)	3'-8 21/32" (1134)	3'-9 7/16" (1154)	3'-10 1/4" (1175)	3'-11 1/16" (1195)	3'-11 7/8" (1216)	4'-0 21/32" (1236)	4'-1 15/32" (1257)
2036	2036	2636	3036	3636	4036	4636	5036
3'-11 1/2" (1207)	4'-2 21/32" (1286)	4'-3 7/16" (1307)	4'-4 1/4" (1327)	4'-5 1/16" (1348)	4'-5 7/8" (1368)	4'-6 21/32" (1389)	4'-7 15/32" (1409)
2040	2040	2640	3040	3640	4040	4640	5040
4'-5 1/2" (1359)	4'-8 21/32" (1439)	4'-9 7/16" (1459)	4'-10 1/4" (1480)	4'-11 1/16" (1500)	4'-11 7/8" (1521)	5'-0 21/32" (1541)	5'-1 15/32" (1561)
2046	2046	2646	3046	3646	4046	4646	5046
4'-11 1/2" (1511)	5'-2 21/32" (1591)	5'-3 7/16" (1612)	5'-4 1/4" (1632)	5'-5 1/16" (1653)	5'-5 7/8" (1673)	5'-6 21/32" (1693)	5'-7 15/32" (1714)
2050	2050	2650	3050	3650	4050	4650	5050
5'-5 1/2" (1664)	5'-8 21/32" (1744)	5'-9 7/16" (1764)	5'-10 1/4" (1785)	5'-11 1/16" (1805)	5'-11 7/8" (1825)	6'-0 21/32" (1846)	6'-1 15/32" (1866)
2056	2056	2656	3056	3656	4056	4656	5056
5'-11 1/2" (1816)	6'-2 21/32" (1896)	6'-3 7/16" (1916)	6'-4 1/4" (1937)	6'-5 1/16" (1957)	6'-5 7/8" (1978)	6'-6 21/32" (1998)	6'-7 15/32" (2019)
2060	2060	2660	3060	3660	4060	4660	5060

Notes on page 77 also apply to this pages.

5'-5 1/2" (1664)	5'-11 1/2" (1816)	6'-5 1/2" (1969)	6'-11 1/2" (2121)	7'-5 1/2" (2273)	7'-11 1/2" (2426)
5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)
59 1/4" (1505)	65 1/4" (1657)	71 1/4" (1810)	77 1/4" (1962)	83 1/4" (2115)	89 1/4" (2267)
65 1/2"(1664)	71 1/2"(1816)	77 1/2"(1969)	83 1/2"(2121)	89 1/2"(2273)	95 1/2"(2426)
1'-8 9/32" (515)	1'-9 3/32" (535)	1'-9 7/8" (556)	1'-10 11/16" (576)	1'-11 1/2" (597)	2'-0 9/32" (617)
5610	6010	6610	7010	7610	8010
2'-2 9/32" (667)	2'-3 3/32" (688)	2'-3 7/8" (708)	2'-4 11/16" (729)	2'-5 1/2" (749)	2'-6 9/32" (769)
5616	6016	6616	7016	7616	8016
2'-8 9/32" (820)	2'-9 3/32" (840)	2'-9 7/8" (861)	2'-10 11/16" (881)	2'-11 1/2" (901)	3'-0 9/32" (922)
5620	6020	6620	7020	7620	8020
3'-2 9/32" (972)	3'-3 3/32" (993)	3'-3 7/8" (1013)	3'-4 11/16" (1033)	3'-5 1/2" (1054)	3'-6 9/32" (1074)
5626	6026	6626	7026	7626	8026
3'-8 9/32" (1125)	3'-9 3/32" (1145)	3'-9 7/8" (1165)	3'-10 11/16" (1186)	3'-11 1/2" (1206)	4'-0 9/32" (1227)
5630	6030	6630	7030	7630	8030
4'-2 9/32" (1277)	4'-3 3/32" (1297)	4'-3 7/8" (1318)	4'-4 11/16" (1338)	4'-5 1/2" (1359)	4'-6 9/32" (1379)
5636	6036	6636	7036	7636	8036
4'-8 9/32" (1429)	4'-9 3/32" (1450)	4'-9 7/8" (1470)	4'-10 11/16" (1491)	4'-11 1/2" (1511)	5'-0 9/32" (1531)
5640	6040	6640	7040	7640	8040
5'-2 9/32" (1582)	5'-3 3/32" (1602)	5'-3 7/8" (1623)	5'-4 11/16" (1643)	5'-5 1/2" (1663)	5'-6 9/32" (1684)
5646	6046	6646	7046	7646	8046
5'-8 9/32" (1734)	5'-9 3/32" (1755)	5'-9 7/8" (1775)	5'-10 11/16" (1795)	5'-11 1/2" (1816)	6'-0 9/32" (1836)
5650	6050	6650	7050	7650	8050
6'-2 9/32" (1887)	6'-3 3/32" (1907)	6'-3 7/8" (1927)	6'-4 11/16" (1948)	6'-5 1/2" (1968)	6'-6 9/32" (1989)
5656	6056	6656	7056	7656	8056
6'-8 9/32" (2039)	6'-9 3/32" (2059)	6'-9 7/8" (2080)	6'-10 11/16" (2100)	6'-11 1/2" (2121)	7'-0 9/32" (2141)
5660	6060	6660	7060	7660	8060

100 Series Picture,
Transom & Specialty
Windows

PICTURE, TRANSOM & SPECIALTY WINDOWS

Arch Window Area Specifications

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
2010	0.93 (0.09)	2.22 (0.21)
2016	1.65 (0.15)	3.20 (0.30)
2020	2.37 (0.22)	4.18 (0.39)
2026	3.09 (0.29)	5.16 (0.48)
2030	3.81 (0.35)	6.14 (0.57)
2036	4.52 (0.42)	7.12 (0.66)
2040	5.24 (0.49)	8.10 (0.75)
2046	5.96 (0.55)	9.08 (0.84)
2050	6.68 (0.62)	10.06 (0.93)
2056	7.40 (0.69)	11.04 (1.03)
2060	8.12 (0.75)	12.02 (1.12)
2610	1.34 (0.12)	2.90 (0.27)
2616	2.31 (0.21)	4.13 (0.38)
2620	3.28 (0.30)	5.36 (0.50)
2626	4.25 (0.39)	6.59 (0.61)
2630	5.22 (0.48)	7.82 (0.73)
2636	6.19 (0.57)	9.05 (0.84)
2640	7.16 (0.66)	10.28 (0.95)
2646	8.12 (0.75)	11.51 (1.07)
2650	9.09 (0.84)	12.74 (1.18)
2656	10.06 (0.93)	13.97 (1.30)
2660	11.03 (1.02)	15.20 (1.41)
3010	1.80 (0.17)	3.63 (0.34)
3016	3.02 (0.28)	5.11 (0.47)
3020	4.24 (0.39)	6.59 (0.61)
3026	5.46 (0.51)	8.07 (0.75)
3030	6.68 (0.62)	9.54 (0.89)
3036	7.90 (0.73)	11.02 (1.02)
3040	9.11 (0.85)	12.50 (1.16)
3046	10.33 (0.96)	13.98 (1.30)
3050	11.55 (1.07)	15.46 (1.44)
3056	12.77 (1.19)	16.94 (1.57)
3060	13.99 (1.30)	18.42 (1.71)
3610	2.30 (0.21)	4.40 (0.41)
3616	3.77 (0.35)	6.13 (0.57)
3620	5.24 (0.49)	7.86 (0.73)
3626	6.71 (0.62)	9.59 (0.89)
3630	8.18 (0.76)	11.31 (1.05)
3636	9.65 (0.90)	13.04 (1.21)
3640	11.12 (1.03)	14.77 (1.37)
3646	12.59 (1.17)	16.50 (1.53)
3650	14.05 (1.31)	18.23 (1.69)
3656	15.52 (1.44)	19.96 (1.85)
3660	16.99 (1.58)	21.69 (2.02)
4010	2.85 (0.27)	5.21 (0.48)
4016	4.57 (0.42)	7.19 (0.67)
4020	6.29 (0.58)	9.17 (0.85)
4026	8.01 (0.74)	11.15 (1.04)
4030	9.73 (0.90)	13.13 (1.22)
4036	11.45 (1.06)	15.11 (1.40)
4040	13.17 (1.22)	17.09 (1.59)
4046	14.88 (1.38)	19.07 (1.77)
4050	16.60 (1.54)	21.05 (1.96)
4056	18.32 (1.70)	23.03 (2.14)
4060	20.04 (1.86)	25.00 (2.32)
4610	3.45 (0.32)	6.07 (0.56)
4616	5.42 (0.50)	8.30 (0.77)
4620	7.38 (0.69)	10.53 (0.98)
4626	9.35 (0.87)	12.76 (1.19)
4630	11.32 (1.05)	14.99 (1.39)
4636	13.29 (1.23)	17.22 (1.60)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
4640	15.26 (1.42)	19.45 (1.81)
4646	17.23 (1.60)	21.68 (2.01)
4650	19.20 (1.78)	23.91 (2.22)
4656	21.17 (1.97)	26.14 (2.43)
4660	23.13 (2.15)	28.36 (2.64)
5010	4.09 (0.38)	6.98 (0.65)
5016	6.30 (0.59)	9.46 (0.88)
5020	8.52 (0.79)	11.94 (1.11)
5026	10.74 (1.00)	14.42 (1.34)
5030	12.96 (1.20)	16.90 (1.57)
5036	15.18 (1.41)	19.37 (1.80)
5040	17.40 (1.62)	21.85 (2.03)
5046	19.62 (1.82)	24.33 (2.26)
5050	21.84 (2.03)	26.81 (2.49)
5056	24.05 (2.23)	29.29 (2.72)
5060	26.27 (2.44)	31.77 (2.95)
5610	4.77 (0.44)	7.93 (0.74)
5616	7.24 (0.67)	10.66 (0.99)
5620	9.71 (0.90)	13.39 (1.24)
5626	12.18 (1.13)	16.12 (1.50)
5630	14.65 (1.36)	18.85 (1.75)
5636	17.11 (1.59)	21.58 (2.00)
5640	19.58 (1.82)	24.30 (2.26)
5646	22.05 (2.05)	27.03 (2.51)
5650	24.52 (2.28)	29.76 (2.77)
5656	26.99 (2.51)	32.49 (3.02)
5660	29.46 (2.74)	35.22 (3.27)
6010	5.50 (0.51)	8.93 (0.83)
6016	8.22 (0.76)	11.91 (1.11)
6020	10.94 (1.02)	14.88 (1.38)
6026	13.66 (1.27)	17.86 (1.66)
6030	16.38 (1.52)	20.84 (1.94)
6036	19.09 (1.77)	23.82 (2.21)
6040	21.81 (2.03)	26.80 (2.49)
6046	24.53 (2.28)	29.78 (2.77)
6050	27.25 (2.53)	32.76 (3.04)
6056	29.97 (2.78)	35.74 (3.32)
6060	32.69 (3.04)	38.72 (3.60)
6610	6.27 (0.58)	9.97 (0.93)
6616	9.24 (0.86)	13.20 (1.23)
6620	12.21 (1.13)	16.43 (1.53)
6626	15.18 (1.41)	19.66 (1.83)
6630	18.15 (1.69)	22.88 (2.13)
6636	21.12 (1.96)	26.11 (2.43)
6640	24.09 (2.24)	29.34 (2.73)
6646	27.06 (2.51)	32.57 (3.03)
6650	30.02 (2.79)	35.80 (3.33)
6656	32.99 (3.07)	39.03 (3.63)
6660	35.96 (3.34)	42.26 (3.93)
7010	7.10 (0.66)	11.05 (1.03)
7016	10.31 (0.96)	14.53 (1.35)
7020	13.53 (1.26)	18.01 (1.67)
7026	16.75 (1.56)	21.49 (2.00)
7030	19.97 (1.86)	24.97 (2.32)
7036	23.19 (2.15)	28.45 (2.64)
7040	26.41 (2.45)	31.93 (2.97)
7046	29.63 (2.75)	35.41 (3.29)
7050	32.85 (3.05)	38.89 (3.61)
7056	36.06 (3.35)	42.37 (3.94)
7060	39.28 (3.65)	45.85 (4.26)
7610	7.96 (0.74)	12.19 (1.13)

Window Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
7616	11.43 (1.06)	15.92 (1.48)
7620	14.90 (1.38)	19.64 (1.83)
7626	18.37 (1.71)	23.37 (2.17)
7630	21.84 (2.03)	27.10 (2.52)
7636	25.30 (2.35)	30.83 (2.86)
7640	28.77 (2.67)	34.56 (3.21)
7646	32.24 (3.00)	38.29 (3.56)
7650	35.71 (3.32)	42.02 (3.90)
7656	39.18 (3.64)	45.75 (4.25)
7660	42.65 (3.96)	49.48 (4.60)
8010	8.87 (0.82)	13.36 (1.24)
8016	12.59 (1.17)	17.34 (1.61)
8020	16.31 (1.52)	21.32 (1.98)
8026	20.03 (1.86)	25.30 (2.35)
8030	23.75 (2.21)	29.28 (2.72)
8036	27.47 (2.55)	33.26 (3.09)
8040	31.18 (2.90)	37.24 (3.46)
8046	34.90 (3.24)	41.22 (3.83)
8050	38.62 (3.59)	45.20 (4.20)
8056	42.34 (3.93)	49.18 (4.57)
8060	46.06 (4.28)	53.16 (4.94)

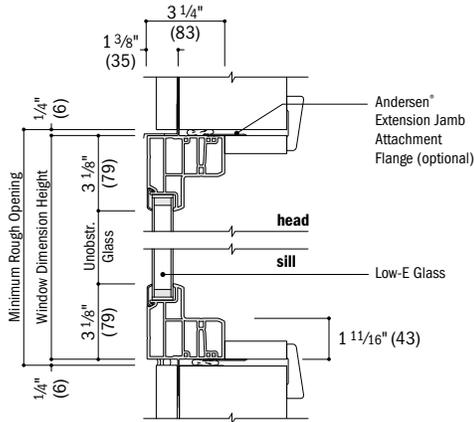
• Dimensions in parentheses are in square meters.

For picture, transom, half circle, quarter circle, circle and Springline™ window specifications, see pages 68-71.

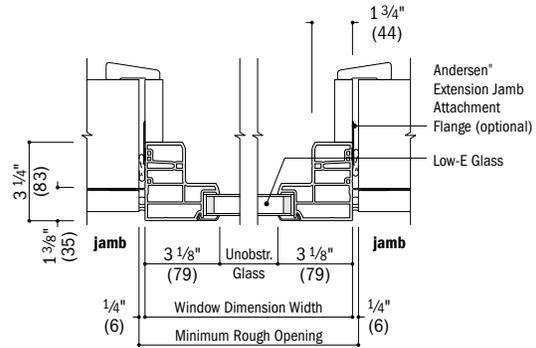
Picture, Single Transom and Specialty Window Details – New Construction

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

1 3/8" flange setback

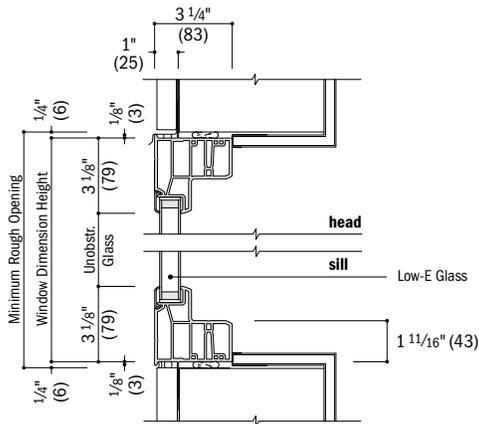


Vertical Section

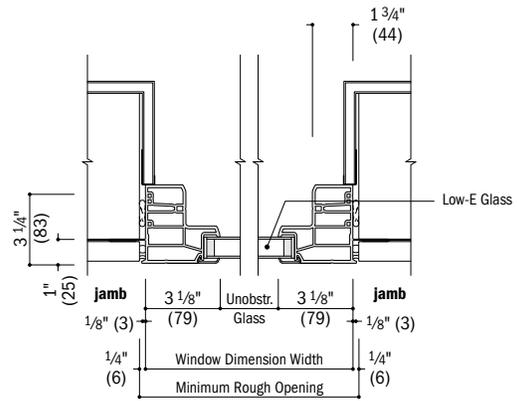


Horizontal Section

1" flange setback with stucco key



Vertical Section
Stucco Exterior

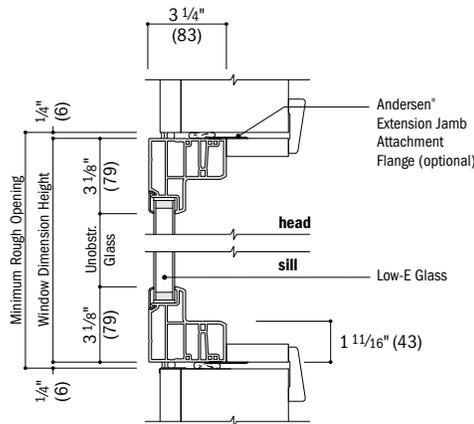


Horizontal Section
Stucco Exterior

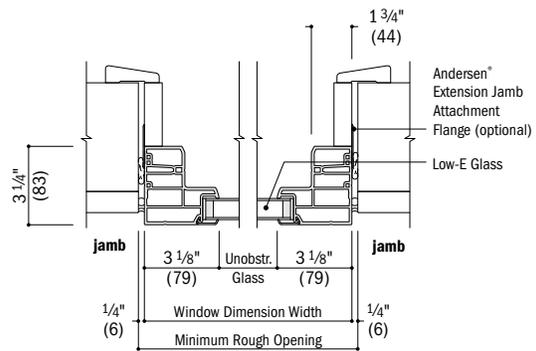
Picture, Single Transom and Specialty Window Details – Replacement

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

no flange



Vertical Section
Existing Framed Opening



Horizontal Section
Existing Framed Opening

continued on next page

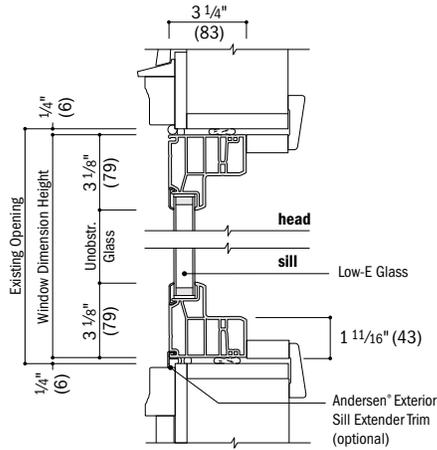
- Drip cap is required to complete window installation as shown but may not be included with the window. Use of drip cap is recommended for proper installation.
- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

PICTURE, TRANSOM & SPECIALTY WINDOWS

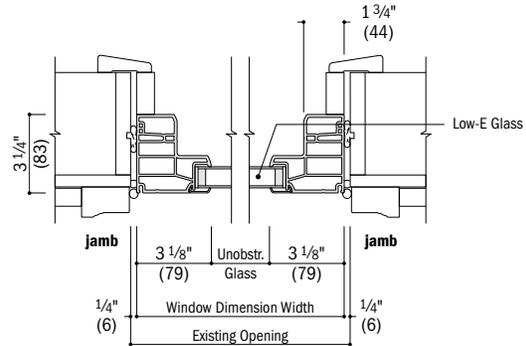
Picture, Single Transom and Specialty Window Details - Replacement (continued)

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

Insert



Vertical Section
Existing Window Opening

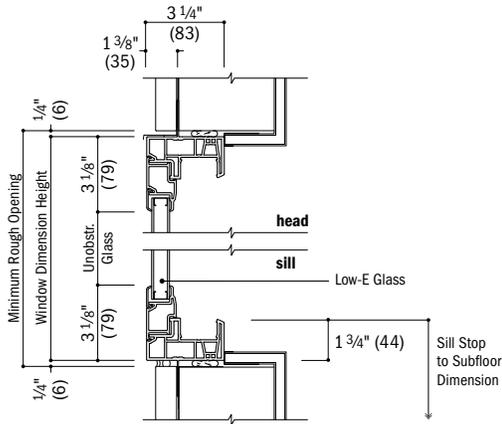


Horizontal Section
Existing Window Opening

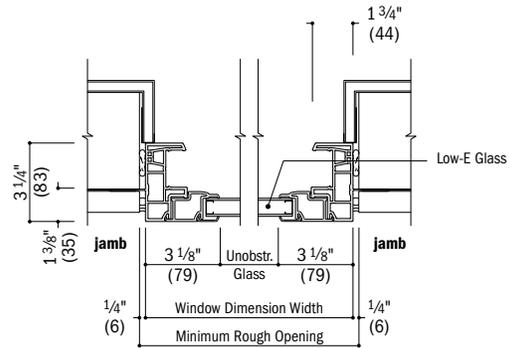
Twin and Triple Transom Window Details - New Construction

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

1 3/8" flange setback

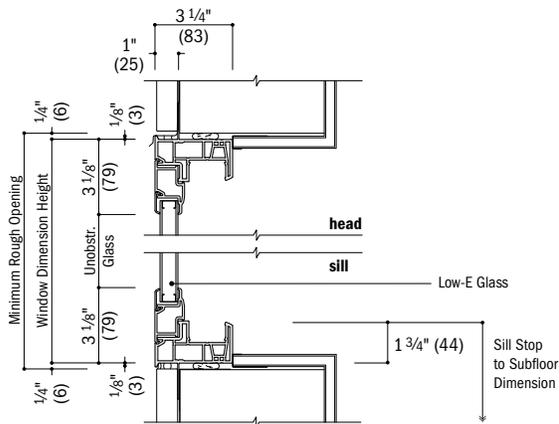


Vertical Section

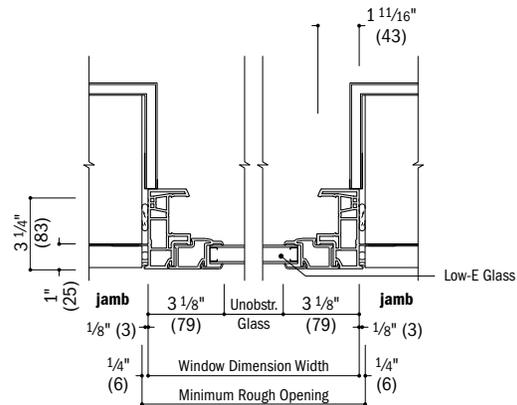


Horizontal Section

1" flange setback with stucco key



Vertical Section



Horizontal Section

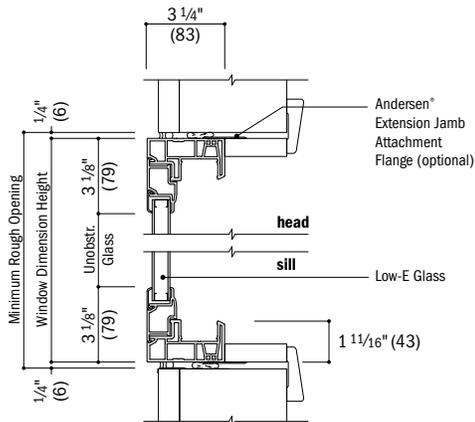
continued on next page

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

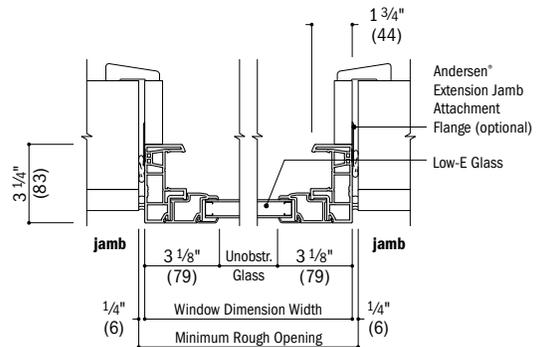
Twin and Triple Transom Window Details – Replacement *(continued)*

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

no flange

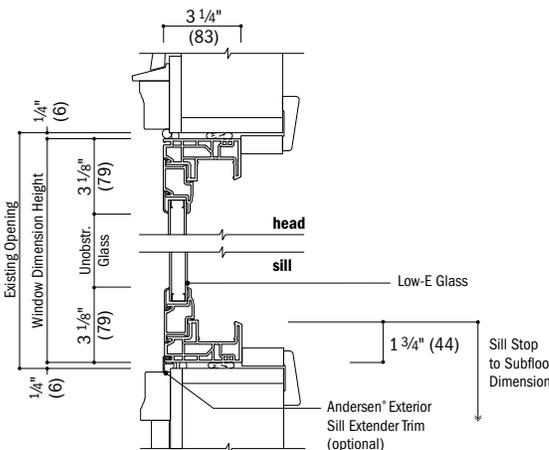


Vertical Section
Existing Framed Opening

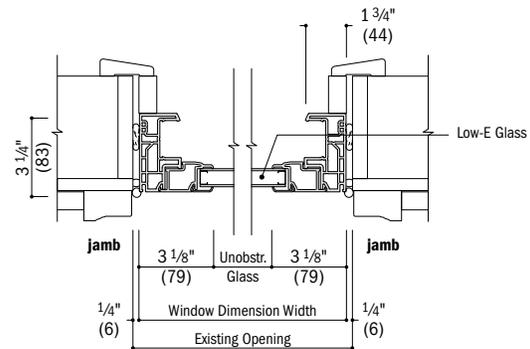


Horizontal Section
Existing Framed Opening

insert

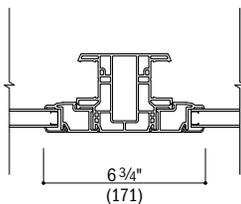


Vertical Section
Existing Window Opening



Horizontal Section
Existing Window Opening

integral



Horizontal Section
Twin or Triple Transom

Installation accessories for insert frame shown on page 109.

See pages 84-87 for joining details.

100 Series Picture, Transom & Specialty Windows

- 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.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

WINDOW JOINING DETAILS

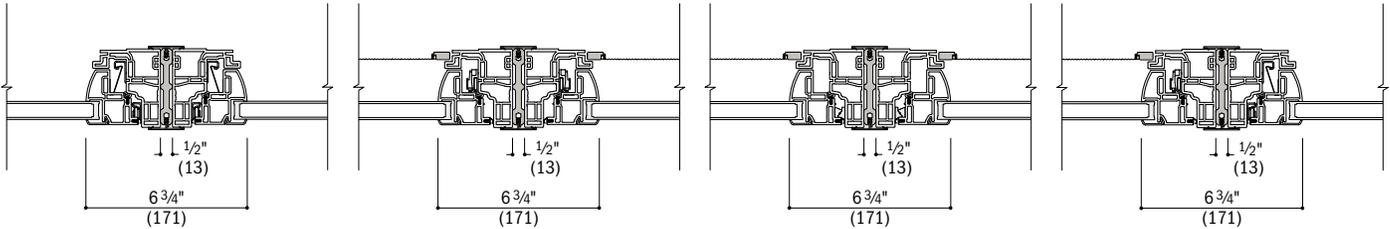
Vertical (ribbon) Fiberglass Joining Details – Non-Reinforced

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. See page 110.

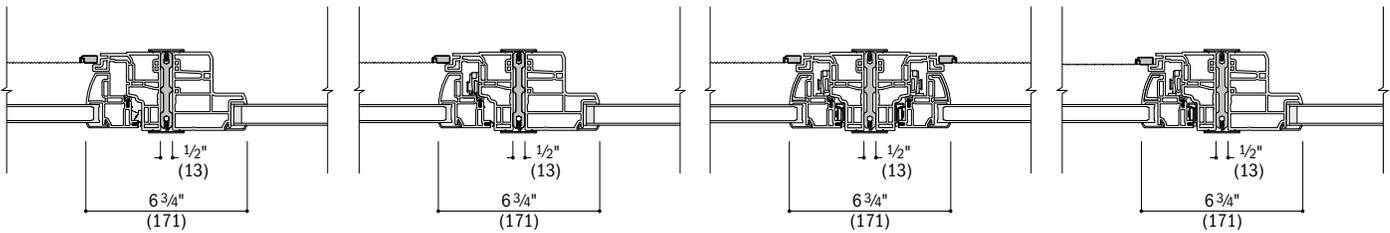


Casement to Casement
(Stationary Jamb to Stationary Jamb)

Casement to Casement
(Lock Jamb to Lock Jamb)

Casement to Casement
(Hinge Jamb to Hinge Jamb)

Casement to Casement
(Lock Jamb to Stationary Jamb)

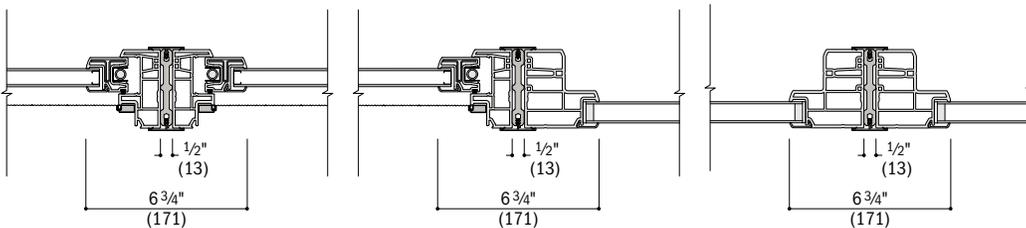


Casement to Picture/Single Transom
(Casement Hinge Jamb)

Casement to Picture/Single Transom
(Casement Lock Jamb)

Awning to Awning

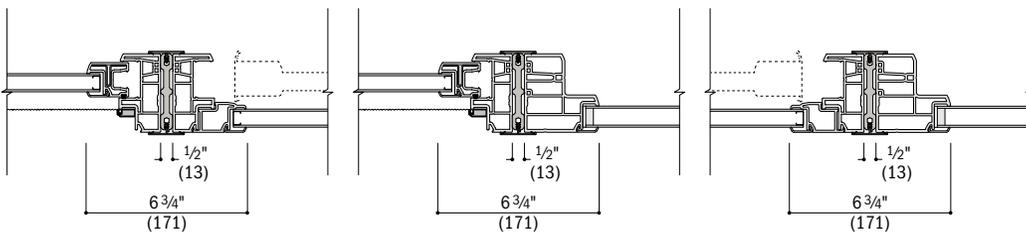
Awning to Picture/Single Transom



Single-Hung to Single-Hung

Single-Hung to Picture/Single Transom

**Picture/Single Transom to
Picture/Single Transom**



Gliding to Gliding
(Active Jamb to Stationary Jamb)

Gliding to Picture/Single Transom
(Gliding Active Jamb)

Gliding to Picture/Single Transom
(Gliding Stationary Jamb)

- Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or join in the combination.
- Dimensions in parentheses are in millimeters.

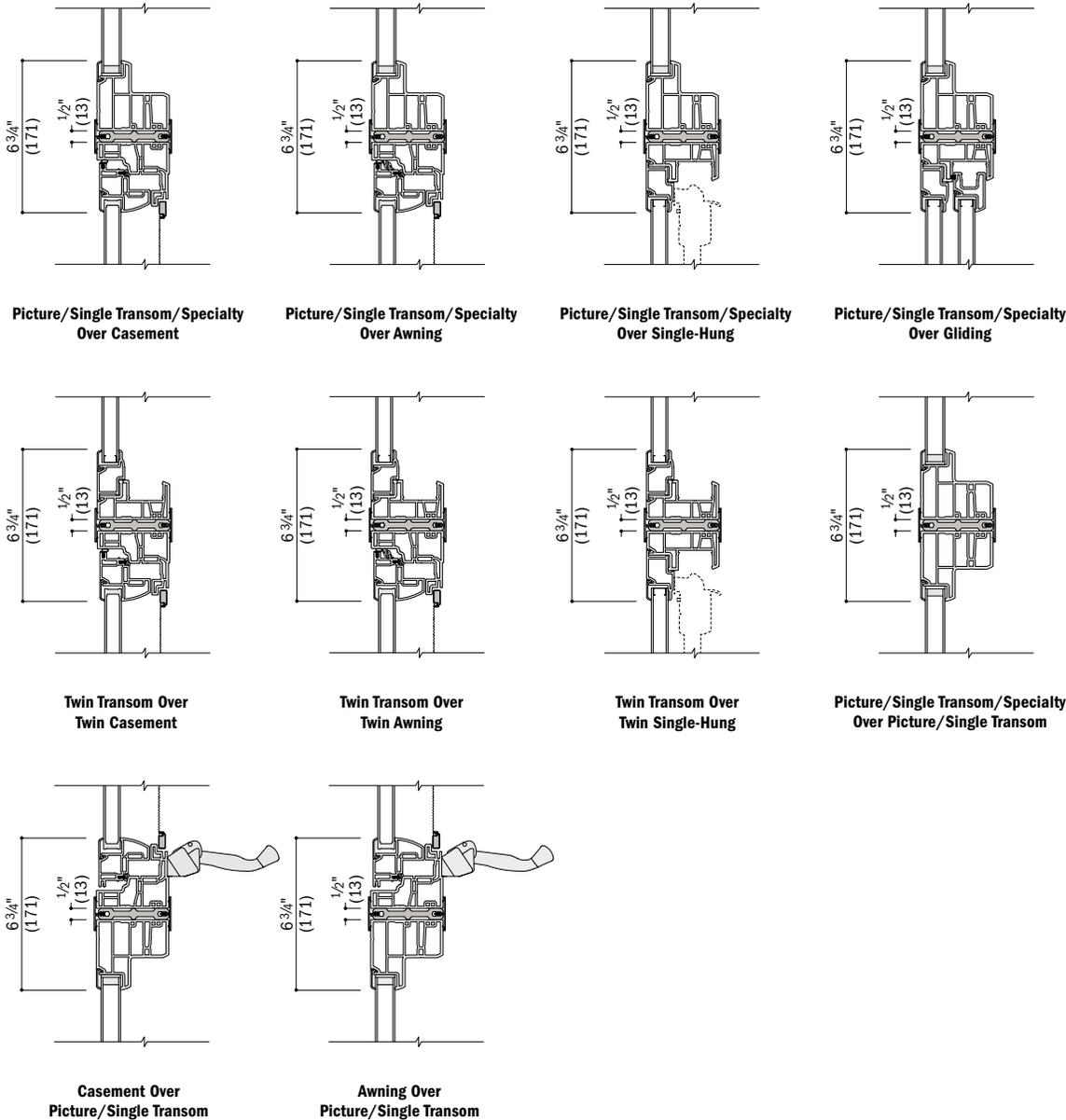
Horizontal (stack) Fiberglass Joining Details – Non-Reinforced

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. See page 110.



For more information on joining, refer to the combination designs section starting on page 99.

- Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or join in the combination.
- Dimensions in parentheses are in millimeters.

WINDOW JOINING DETAILS

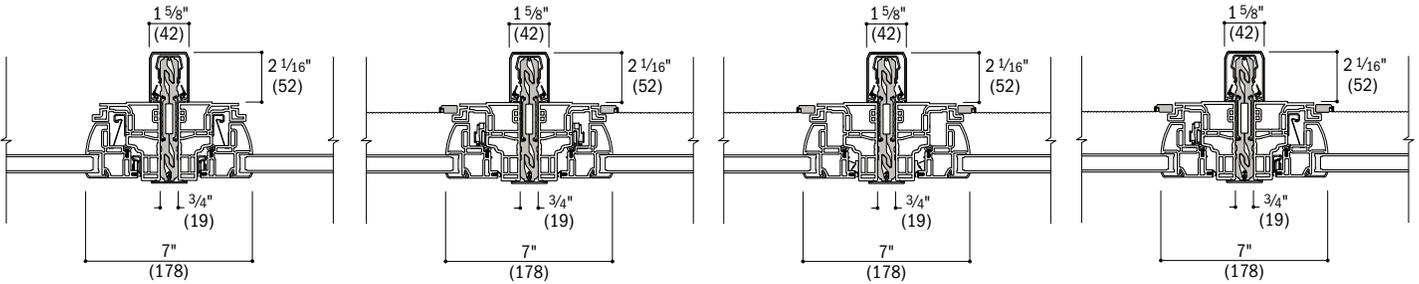
Vertical (ribbon) Fiberglass Joining Details – Reinforced

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. See page 110.

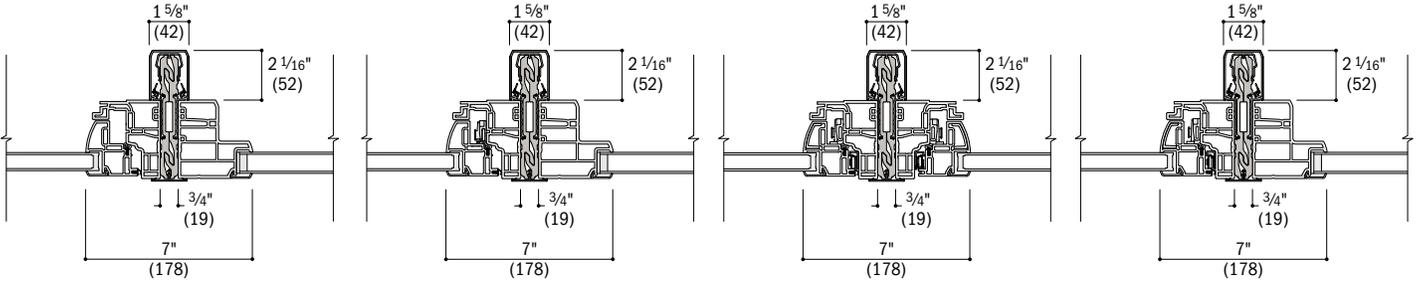


Casement to Casement
(Stationary Jamb to Stationary Jamb)

Casement to Casement
(Lock Jamb to Lock Jamb)

Casement to Casement
(Hinge Jamb to Hinge Jamb)

Casement to Casement
(Lock Jamb to Stationary Jamb)

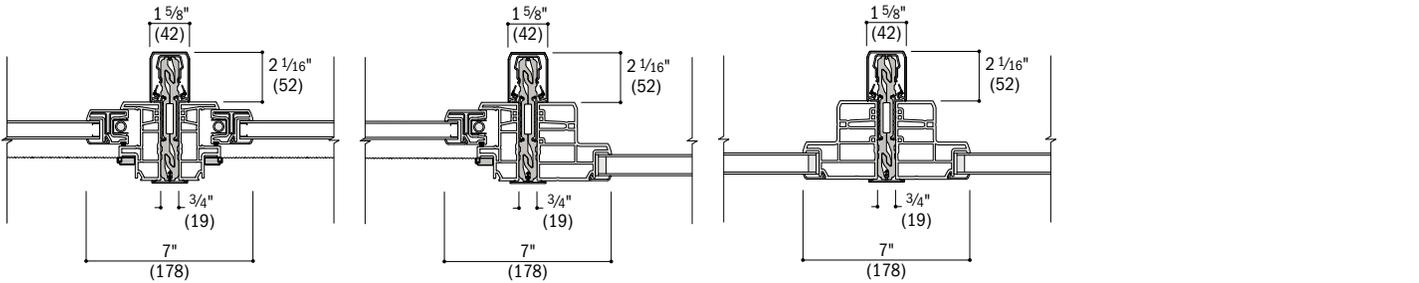


Casement to Picture/Single Transom
(Casement Hinge Jamb)

Casement to Picture/Single Transom
(Casement Lock Jamb)

Awning to Awning

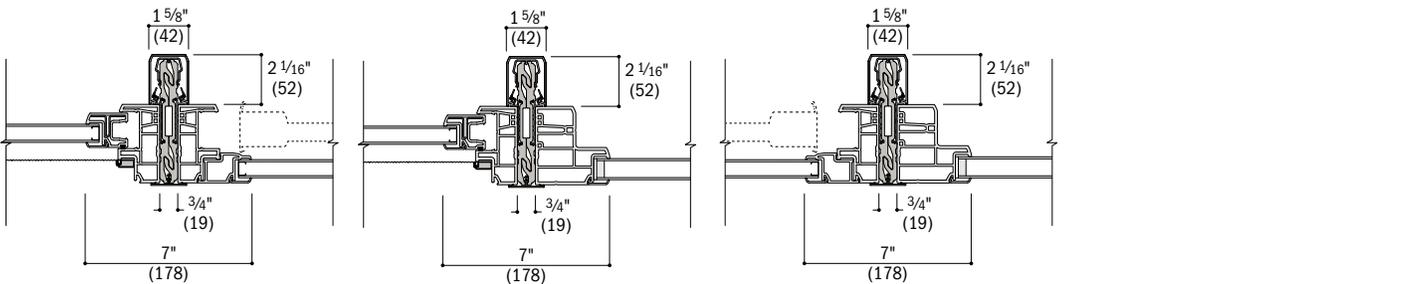
Awning to Picture/Single Transom



Single-Hung to Single-Hung

Single-Hung to Picture/Single Transom

Picture/Single Transom to Picture/Single Transom



Gliding to Gliding
(Active Jamb to Stationary Jamb)

Gliding to Picture/Single Transom
(Gliding Active Jamb)

Gliding to Picture/Single Transom
(Gliding Stationary Jamb)

- Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or join in the combination.
- Dimensions in parentheses are in millimeters.

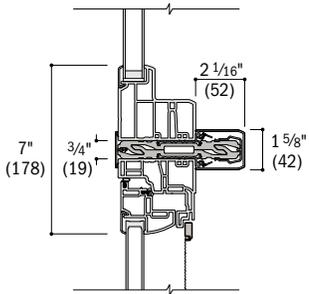
Horizontal (stack) Fiberglass Joining Details - Reinforced

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

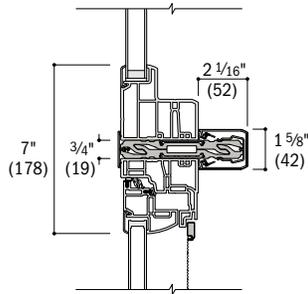
Overall Window Dimension Width - Sum of individual window widths plus 3/4" (19) per join.

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

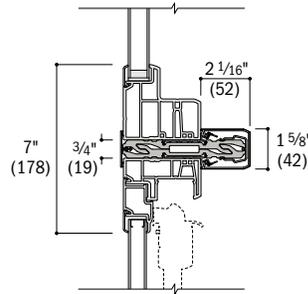
The addition of joining materials will affect the overall rough opening dimension. See page 110.



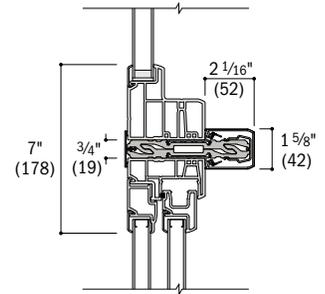
Picture/Single Transom/Specialty Over Casement



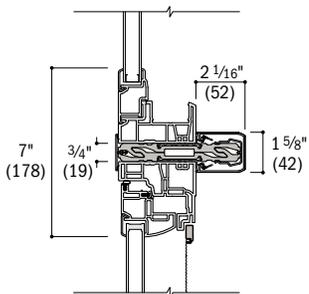
Picture/Single Transom/Specialty Over Awning



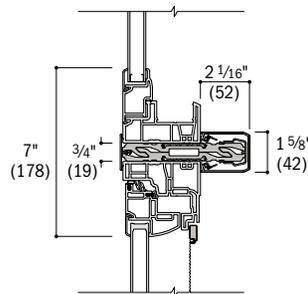
Picture/Single Transom/Specialty Over Single-Hung



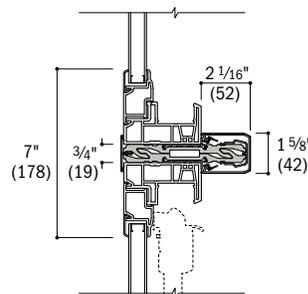
Picture/Single Transom/Specialty Over Gliding



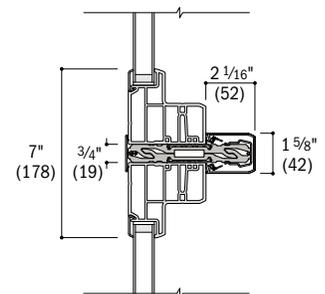
Twin Transom Over Twin Casement



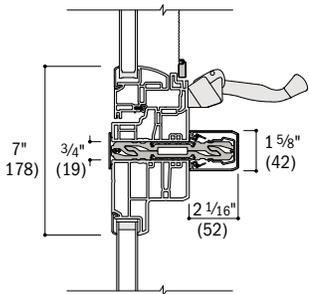
Twin Transom Over Twin Awning



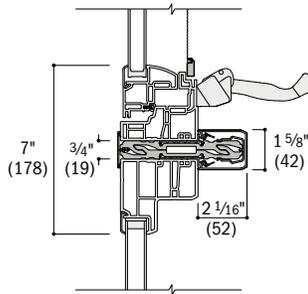
Twin Transom Over Twin Single-Hung



Picture/Single Transom/Specialty Over Picture/Single Transom



Casement Over Picture/Single Transom



Awning Over Picture/Single Transom

For more information on joining, refer to the combination designs section starting on page 99.

- Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or join in the combination.
- Dimensions in parentheses are in millimeters.

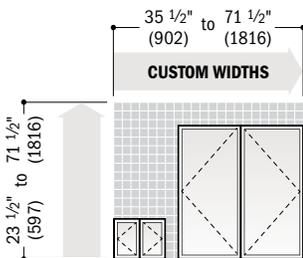
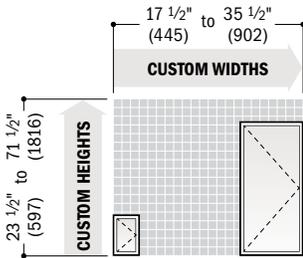
WINDOW CUSTOM SIZES

Custom Sizes and Specification Formulas



100 Series custom-size windows are available in 1/8" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply.

Casement Windows



Single

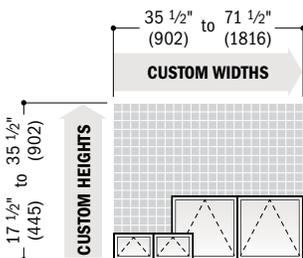
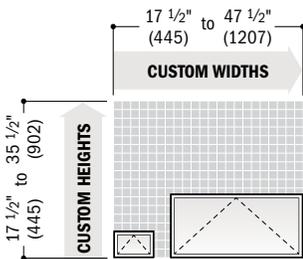
Clear Opening 	Width = window width - 12.103" (307) <i>wash mode*</i> Width = window width - 7.790" (198) <i>widest clear opening*</i> Height = window height - 5.694" (145)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = window width - 7.964" (202) Height = window height - 5.694" (145)	Unobst. Glass 	Width = window width - 6.250" (159) Height = window height - 6.250" (159)

Twin

Clear Opening 	Width = (window width ÷ 2) - 12.353" (314) <i>wash mode*</i> Width = (window width ÷ 2) - 8.040" (204) <i>widest clear opening*</i> Height = window height - 5.694" (145)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = window width - 16.428" (417) Height = window height - 5.694" (145)	Unobst. Glass 	Single Sash Width = (window width ÷ 2) - 6.50" (165) Total Sash Width = window width - 13.000" (330) Height = window height - 6.250" (159)

*Widest clear opening hinge will be applied, based on window size, if it allows the window to meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610). Hinge type cannot be specified.

Awning Windows



Single

Clear Opening 	Width = window width - 5.694" (145) Depth = 8.000" (203)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = window width - 5.694" (145) Depth = 8.000" (203)	Unobst. Glass 	Width = window width - 6.250" (159) Height = window height - 6.250" (159)

*Awning windows do not meet clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Twin

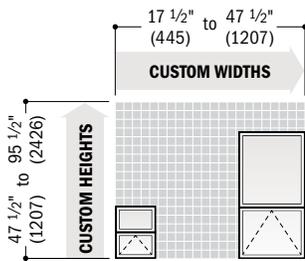
Clear Opening 	Width = (window width ÷ 2) - 5.944" (151) Depth = 8.000" (203)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = (window width ÷ 2) - 5.944" (151) Depth = 8.000" (203)	Unobst. Glass 	Single Sash Width = (window width ÷ 2) - 6.50" (165) Total Sash Width = window width - 13.000" (330) Height = window height - 6.250" (159)

*Awning windows do not meet clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

* **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

* Dimensions in parentheses are in millimeters.

Awning Windows (continued)



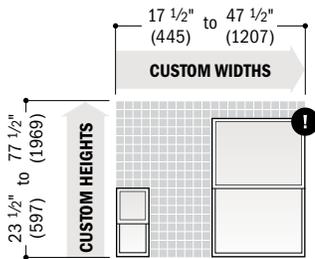
Contact your Andersen supplier for min./max. height dimensions for lower venting sash.

Picture Window Over Awning

Clear Opening 	Width = window width - 5.694" (145) Depth = 8.000" (203)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Vent Opening 		Width = window width - 5.694" (145) Depth = 8.000" (203)

• Awning windows do not meet clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Single-Hung Windows

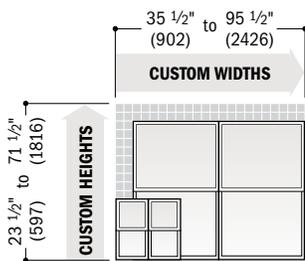


Windows with a height greater than 77 1/2" (1969) are only available with a 2:1 reverse cottage sash ratio.*

Equal Sash Ratio

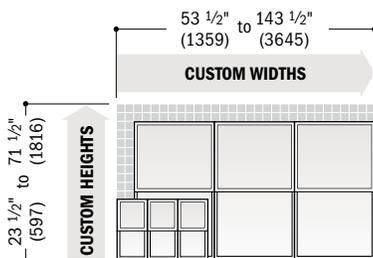
Clear Opening 	Width = window width - 3.500" (89) Height = (window height + 2) - 3.711" (94)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Vent Opening 		Equal Sash Ratio Width = window width - 3.500" (89) Height = (window height + 2) - 3.711" (94)

• Drywall pass-through window is available for custom-size windows wider than 23 1/2" (597) and taller than 53 1/2" (1359).
• Windows with a 3:2 reverse cottage sash ratio are available in custom sizes from 17 1/2" (445) to 47 1/2" (1207) in width to 29 1/2" (749) to 77 1/2" (1969) in height. For area and opening specification formulas, visit andersenwindows.com.
• Window heights that require a 2:1 reverse cottage sash ratio are available in custom sizes from 17 1/2" (445) to 47 1/2" (1207) in width to 77 5/8" (1972) to 89 1/2" (2273) in height. For area and opening specifications, contact your Andersen supplier.



Twin

Clear Opening 	Width = (window width ÷ 2) - 3.750" (95) Height = (window height + 2) - 3.711" (94)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Vent Opening 		Equal Sash Ratio Width = window width - 3.500" (89) Height = (window height + 2) - 3.711" (94)



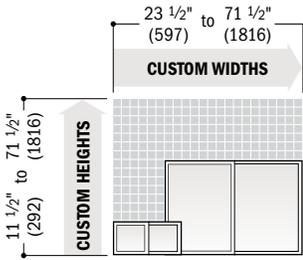
Triple

Clear Opening 	Width = (window width ÷ 3) - 3.833" (97) Height = (window height + 2) - 3.711" (94)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
	Vent Opening 		Equal Sash Ratio Width = window width - 11.500" (292) Height = (window height + 2) - 3.711" (94)

• **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.
• Dimensions in parentheses are in millimeters.

WINDOW CUSTOM SIZES

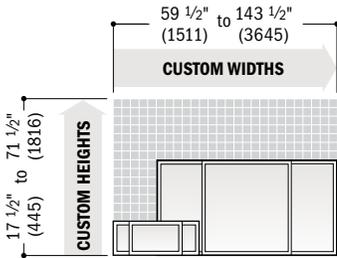
Gliding Windows



Active-Stationary or Stationary-Active (X0/OX)

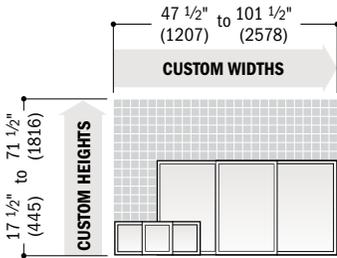
Clear Opening 	Width = (window width ÷ 2) - 3.711" (94) Height = window height - 3.500" (89)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = (window width ÷ 2) - 3.711" (94) Height = window height - 3.500" (89)	Unobst. Glass 	Fixed Sash Width = (window width ÷ 2) - 4.184" (106) Venting Sash Width = (window width ÷ 2) - 4.226" (107) Total Sash Width = window width - 8.410" (214) Height = window height - 6.250" (159)

Active-Stationary-Active (XOX) 1:2:1 Sash Ratio



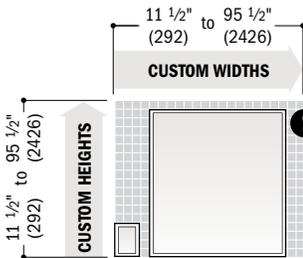
Clear Opening 	Width = (window width ÷ 4) - 2.976" (76) Height = window height - 3.500" (89)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = (window width ÷ 2) - 5.952" (151) Height = window height - 3.500" (89)	Unobst. Glass 	Fixed Sash Width = (window width ÷ 2) - 1.868" (47) Venting Sash Width = (window width ÷ 4) - 4.351" (111) Total Sash Width = window width - 10.570" (268) Height = window height - 6.250" (159)

Active-Stationary-Active (XOX) 1:1:1 Equal Sash Ratio

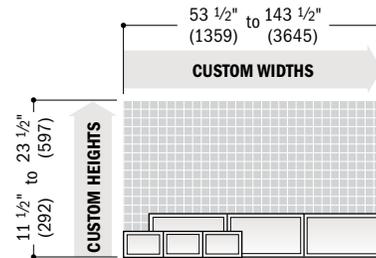
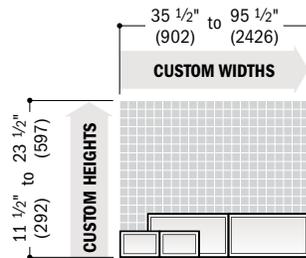


Clear Opening 	Width = (window width ÷ 3) - 5.164" (131) Height = window height - 3.500" (89)	Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Vent Opening 	Width = (window width ÷ 3) - 5.164" (131) Height = window height - 3.500" (89)	Unobst. Glass 	Fixed Sash Width = (window width ÷ 3) - 3.496" (89) Venting Sash Width = (window width ÷ 3) - 3.537" (90) Total Sash Width = window width - 10.570" (268) Height = window height - 6.250" (159)

Picture and Transom Windows



! Either height or width must be 71 1/2" (1816) or less.



Triple transom windows with unequal sash are not available in custom sizes.

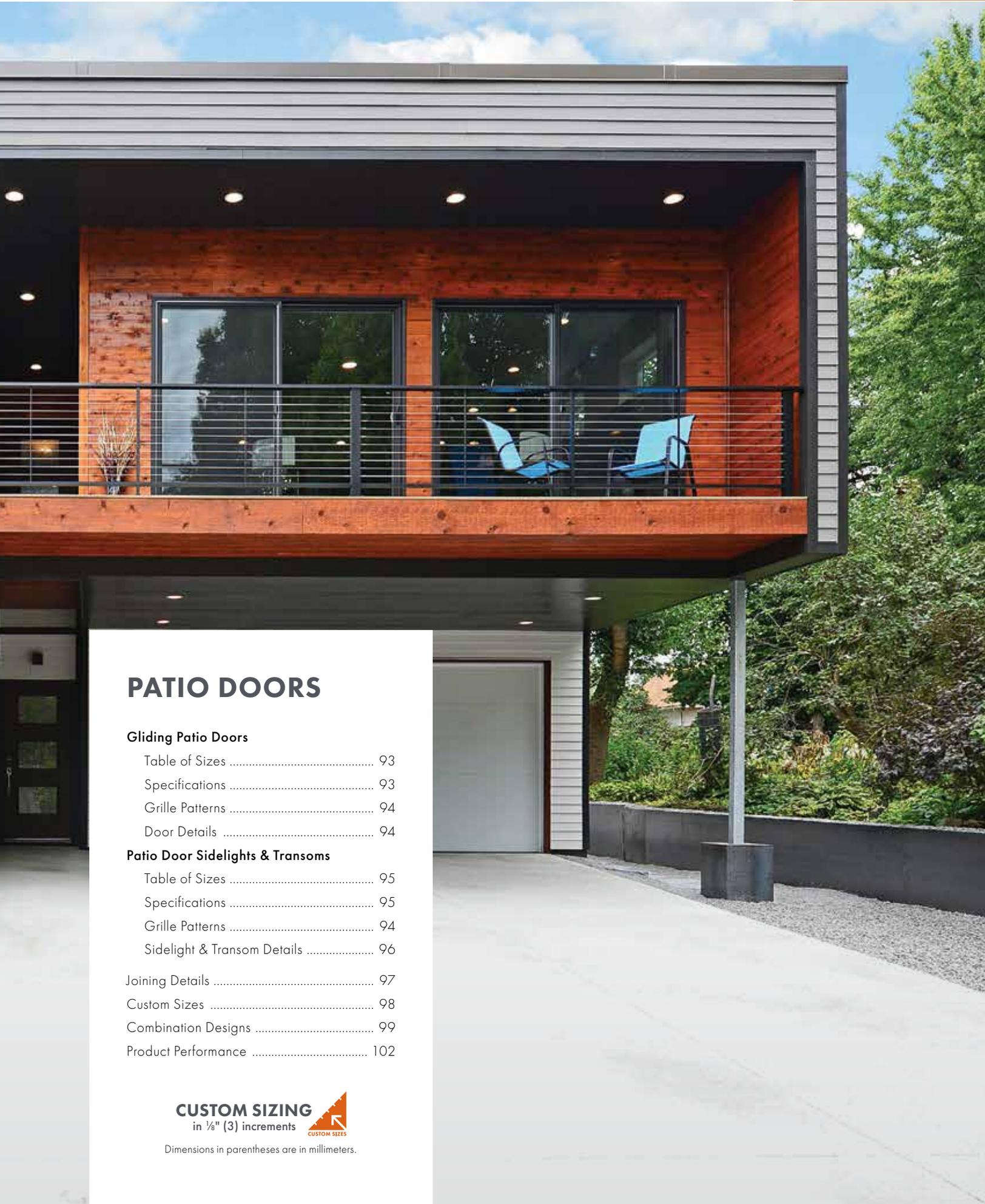
Picture and Single Transom

Minimum R.O. 	Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Unobst. Glass 	Width = window width - 6.250" (159) Height = window height - 6.250" (159)

Twin and Triple Transom

Minimum R.O. 	Twin Width = window width + 1/2" (13) Height = window height + 1/2" (13)	Triple Width = window width + 1/2" (13) Height = window height + 1/2" (13)
Unobst. Glass 	Twin Single Sash Width = (window width ÷ 2) - 6.500" (165) Total Sash Width = window width - 13.000" (330) Height = window height - 6.250" (159)	Triple Single Sash Width = (window width ÷ 3) - 6.583" (167) Total Sash Width = window width - 19.750" (502) Height = window height - 6.250" (159)

* **Clear Opening** formulas provide dimensions for determining area available for egress. **Vent Opening** formulas provide dimensions for determining area available for passage of air. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.
* Dimensions in parentheses are in millimeters.



PATIO DOORS

Gliding Patio Doors

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Door Details	94

Patio Door Sidelights & Transoms

Table of Sizes	95
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CUSTOM SIZING
in 1/8" (3) increments 
CUSTOM SIZES

Dimensions in parentheses are in millimeters.

PATIO DOORS

FEATURES

GLIDING PATIO DOORS

FRAME

A The frame is constructed with Fibrex® composite material. This construction produces a rigid frame.

B Durable, low-maintenance finish won't fade, flake, blister or peel.

Factory-assembled doors arrive at the job site ready to install.

C Dual felt weatherstrip, applied on the inside pocket of both side jambs and the head jamb, creates a positive seal between the frame and panels. The result is a long-lasting, energy-efficient barrier against wind, water and dust.

A full-length combination weatherstrip/interlock system provides a flexible seal at the meeting stile.

Three frame options include:

- 1 3/8" (35) flange setback for siding applications. An integral rigid vinyl flange helps seal the unit to the structure.
- 1" (25) flange setback with stucco key. An integral rigid vinyl flange helps seal the unit to the structure.
- No-flange option for door replacement in an existing framed opening.

PANEL

D Fibrex material construction provides long-lasting performance. The panel, finished with a durable capping, provides maximum protection and a matte, low-maintenance finish.

E Dual corrosion-resistant* ball-bearing rollers on the operating door panel provide smooth operation with self-contained leveling adjusters. The rollers have deep grooves to increase engagement with the roller track and resist lateral movement. Metal reinforcement inserted into the panel stiles provides additional stability.

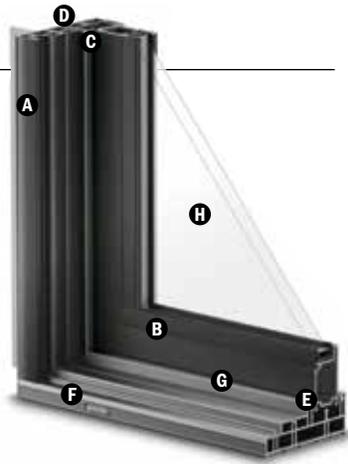
SILL

F The one-piece sill design with weep holes located on the sill exterior provides superior water management. The heavy-gauge PVC construction is wear resistant and neutral gray in color.

G The roller track has a stainless steel cap that resists denting for smooth, reliable operation.

GLASS

A glazing bead and silicone provide superior weathertightness and durability.



H High-Performance options include:

- Low-E SmartSun™ tempered glass
- Low-E SmartSun HeatLock® tempered glass
- Low-E tempered glass
- Low-E HeatLock tempered glass
- Low-E Sun tempered glass
- Low-E PassiveSun® tempered glass
- Low-E PassiveSun HeatLock tempered glass
- Clear Dual-Pane tempered glass

Additional glass options are available. Contact your Andersen supplier.

A removable translucent film helps shield the glass from damage during delivery and construction, and simplifies finishing at the job site.

Patterned Glass

Patterned glass options are available. See page 12 for more details.

Glass Spacers



Glass spacers are now available in black, in addition to stainless steel, to provide more ways to customize project designs and achieve a contemporary look. (E-Series window is shown above.)

HARDWARE

Locking System



A two-point locking system engages a steel receiver plate that's secured into the side jamb. This provides enhanced security and a weathertight seal, with the operating panel pulled tightly into the jamb.

COLOR OPTIONS

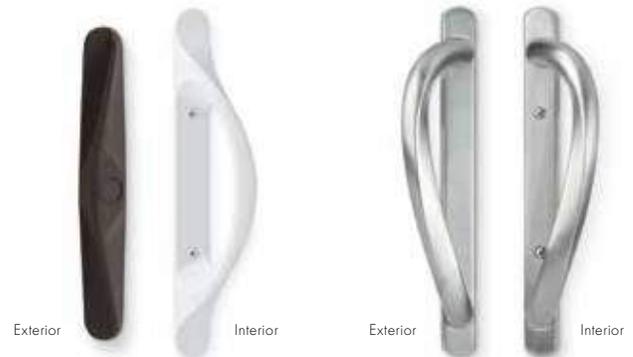
EXTERIOR COLORS



INTERIOR COLORS



HARDWARE



Standard Handle

Optional Handle

TULSA

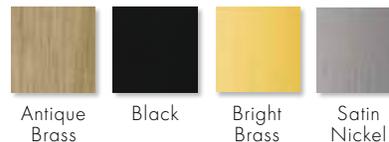
Exterior handle matches the door's exterior color. Interior handle matches the door's interior color. Dark bronze exterior and white interior shown.

AFTON

Antique Brass | Black
Bright Brass | **Satin Nickel**

Bold name denotes finish shown.

AFTON HARDWARE FINISHES



Finishes shown are for Afton hardware only.

ACCESSORIES Sold Separately

HARDWARE

Auxiliary Foot Lock

Provides an extra measure of security when the door is in a locked position. Available in colors that coordinate with the interior.

GRILLES

Grilles are available in a variety of configurations. See page 13 for details.

INSECT SCREENS

Insect screens have charcoal gray fiberglass screen mesh. The latch mechanism is contained within the insect screen handle for easy operation. Frames are available in colors to match the door exterior.

SIDLIGHTS & TRANSOMS

Patio door sidelights and transoms are available. See pages 95-96.

*Visit andersenwindows.com/warranty for details.

**Products with Sandtone, dark bronze and black interiors have matching exteriors.

Dimensions in parentheses are in millimeters.

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

Patio Door Heights

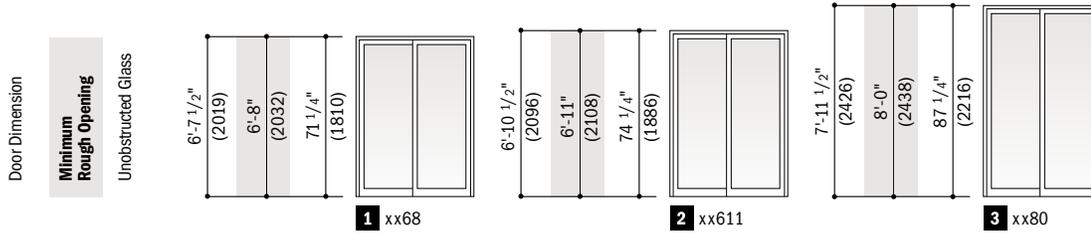


Table of Gliding Patio Doors Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Door Dimension	4'-11 1/4" (1505)	4'-11 1/4" (1505)	5'-11 1/4" (1810)	5'-11 1/4" (1810)
Minimum Rough Opening	5'-0" (1524)	5'-0" (1524)	6'-0" (1829)	6'-0" (1829)
Unobstructed Glass (width of single panel only)	24 1/8" (613)	24 1/8" (613)	30 1/8" (765)	30 1/8" (765)

3 heights	1	2	3	1	2	3	1	2	3	1	2	3							
	5068L	5068R	50680L	50611L	50611R	506110L	50680L	50680R	50680	6068L	6068R	60680L	60611L	60611R	606110L	606110R	60680L	60680R	60680



Custom-size patio doors are available in 1/8" (3) increments. See page 98 for custom sizes and specifications.

Arrow indicates direction of panel operation as viewed from the exterior. Details and grille patterns shown on page 94.

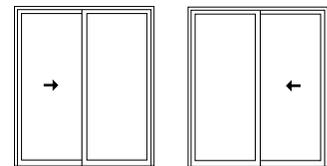
Door Dimension	7'-11 1/4" (2419)	7'-11 1/4" (2419)
Minimum Rough Opening	8'-0" (2438)	8'-0" (2438)
Unobstructed Glass (width of single panel only)	42 1/8" (1070)	42 1/8" (1070)

3 heights	1	2	3	1	2	3				
	8068L*	8068R*	80680L*	80611L*	80611R*	806110L*	806110R*	80680L*	80680R*	80680*

To meet or exceed a clear opening width of 32" (813), select a door width that requires a rough opening width of 6'-6" (1981) or greater.

Order Designation Description

Viewed from the exterior.



6068 L Door Rough Opening Left Gliding
6068 R Door Rough Opening Right Gliding

- *"Door Dimension" always refers to outside frame-to-frame dimension.
- *"Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- *Dimensions in parentheses are in millimeters.
- *Meets or exceed a 32" (813) clear opening width.

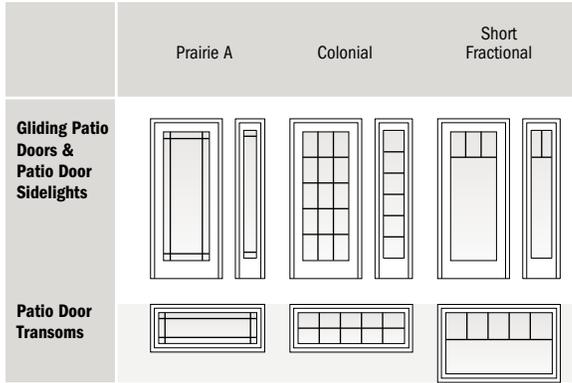
Gliding Patio Door Opening and Area Specifications

Door Number	Clear Opening Area* Sq. Ft./ (m ²)	Clear Opening in Full Open Position		Glass Area Sq. Ft./ (m ²)	Vent Area* Sq. Ft./ (m ²)	Overall Door Area Sq. Ft./ (m ²)
		Width* Inches/(mm)	Height Inches/(mm)			
5068	12.38 (1.15)	23 1/2" (597)	75 7/8" (1927)	23.87 (2.22)	12.38 (1.15)	32.71 (3.04)
6068	15.54 (1.44)	29 1/2" (749)	75 7/8" (1927)	31.27 (2.91)	15.54 (1.44)	39.34 (3.65)
8068	21.87 (2.03)	41 1/2" (1054)	75 7/8" (1927)	43.14 (4.01)	21.87 (2.03)	52.59 (4.89)
50611	12.87 (1.20)	23 1/2" (597)	78 7/8" (2003)	52.79 (4.90)	12.87 (1.20)	33.95 (3.15)
60611	16.16 (1.50)	29 1/2" (749)	78 7/8" (2003)	32.58 (3.03)	16.16 (1.50)	40.82 (3.79)
80611	22.73 (2.11)	41 1/2" (1054)	78 7/8" (2003)	44.96 (4.18)	22.73 (2.11)	54.57 (5.07)
5080	14.99 (1.39)	23 1/2" (597)	91 7/8" (2334)	31.02 (2.88)	14.99 (1.39)	39.29 (3.65)
6080	18.82 (1.75)	29 1/2" (749)	91 7/8" (2334)	38.29 (3.56)	18.82 (1.75)	47.25 (4.39)
8080	26.48 (2.46)	41 1/2" (1054)	91 7/8" (2334)	52.83 (4.91)	26.48 (2.46)	63.17 (5.87)

- *Dimensions in parentheses are in millimeters or square meters.
- *For doors with Tulsa hardware only. Contact your Andersen supplier for doors with Afton hardware.

GLIDING PATIO DOORS

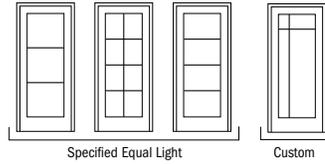
Grille Patterns



Number of lights and overall pattern varies with door size. Patterns shown may not be available for all sizes. Specified equal light and custom patterns are also available.

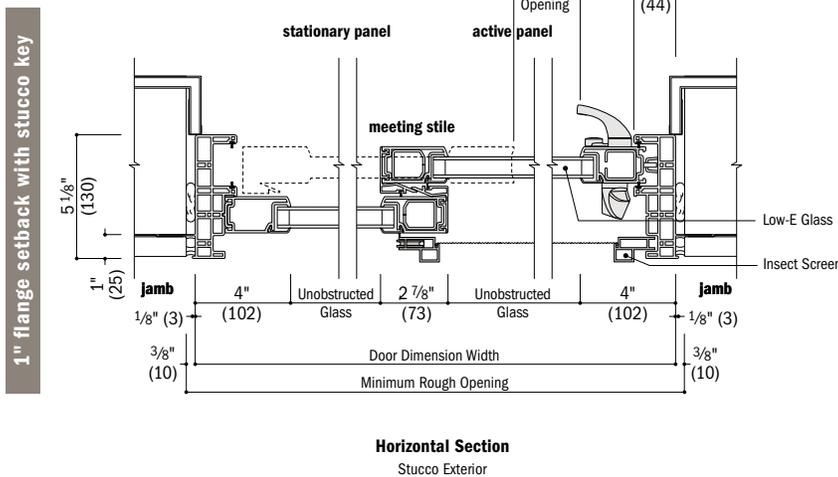
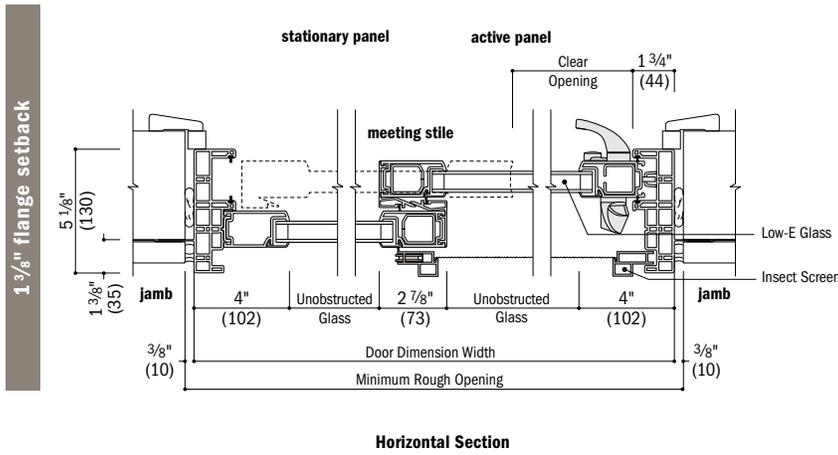
For specified equal light, specify number of same-size rectangles across or down.

For more information on divided light, see page 13 or visit andersenwindows.com/grilles.



Gliding Patio Door Details

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



See page 97 for joining details.

- 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.
- Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

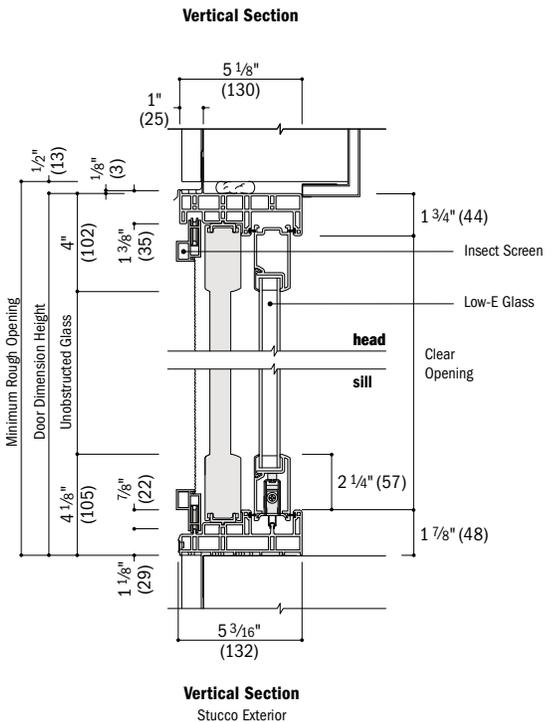
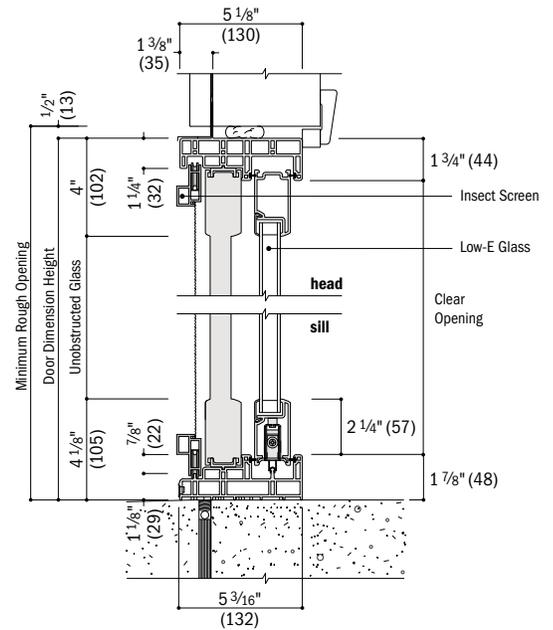


Table of Patio Door Transom and Sidelight Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Transom/Sidelight Dimension	1'-2 1/4" (362)	1'-5 1/4" (438)	1'-11 1/4" (591)	2'-5 1/4" (743)	2'-11 1/4" (895)	3'-11 1/4" (1200)	4'-11 1/4" (1505)	5'-11 1/4" (1810)	7'-11 1/4" (2419)
Minimum Rough Opening	1'-3" (381)	1'-6" (457)	2'-0" (610)	2'-6" (762)	3'-0" (914)	4'-0" (1219)	5'-0" (1524)	6'-0" (1829)	8'-0" (2438)
Unobstructed Glass	6 3/16" (157)	9 3/16" (233)	15 3/16" (386)	21 3/16" (538)	27 3/16" (691)	39 3/16" (995)	51 3/16" (1300)	63 3/16" (1605)	87 3/16" (2215)

CUSTOM WIDTHS – 14 1/4" to 95 1/4"

CUSTOM HEIGHTS – 14 1/4" to 23 1/4"	1'-2 1/4" (362)	1'-3" (381)	1'-5 1/4" (438)	1'-6" (457)	1'-11 1/4" (591)	2'-0" (610)	2'-5 1/4" (743)	2'-11 1/4" (895)	3'-11 1/4" (1200)	4'-11 1/4" (1505)	5'-11 1/4" (1810)	7'-11 1/4" (2419)						
	1313	1316	1613	1616	2013	2016	2613	2616	3013	3016	4013	4016	5013	5016	6013	6016	8013	8016
	1320	1620	2020	2620	3020	4020	5020	6020	8020									

CUSTOM HEIGHTS – 79 1/2" to 95 1/2"

CUSTOM WIDTHS – 14 1/4" to 47 1/4"	6'-7 1/2" (2019)	6'-8" (2032)	6'-10 1/2" (2096)	6'-11" (2108)	7'-1 1/2" (2166)	
	1368	1668	2068	2668	3068	4068
	13611	16611	20611	26611	30611	40611
7'-11 1/2" (2426)	8'-0" (2438)	8'-1 1/4" (2446)	8'-1 1/2" (2454)	8'-1 3/4" (2462)	8'-2" (2470)	
1380	1680	2080	2680	3080	4080	



Custom-size doors are available in 1/8" (3) increments. See page 98 for custom sizes and specifications.

Details shown on page 96. Grille patterns shown on page 94.

- "Transom/Sidelight Dimension" always refers to outside frame-to-frame dimension.
- "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See page 110 for more details.
- Dimensions in parentheses are in millimeters.

Patio Door Sidelight Area Specifications

Sidelight Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1368	3.06 (0.28)	7.87 (0.73)
13611	3.19 (0.30)	8.16 (0.76)
1380	3.75 (0.35)	9.45 (0.88)
1668	4.55 (0.42)	9.52 (0.88)
16611	4.74 (0.44)	9.88 (0.92)
1680	5.57 (0.52)	11.44 (1.06)
2068	7.51 (0.70)	12.84 (1.19)
20611	7.83 (0.73)	13.32 (1.24)
2080	9.20 (0.85)	15.42 (1.43)
2668	10.48 (0.97)	16.15 (1.50)
26611	10.92 (1.01)	16.76 (1.56)
2680	12.84 (1.19)	19.40 (1.80)
3068	13.45 (1.25)	19.46 (1.81)
30611	14.02 (1.30)	20.20 (1.88)
3080	16.47 (1.53)	23.38 (2.17)
4068	19.39 (1.80)	26.09 (2.42)
40611	20.21 (1.88)	27.07 (2.51)
4080	23.74 (2.21)	31.34 (2.91)

Patio Door Transom Area Specifications

Transom Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
1313	0.27 (0.03)	1.41 (0.13)
1316	0.40 (0.04)	1.71 (0.16)
1320	0.65 (0.06)	2.30 (0.21)
1613	0.40 (0.04)	1.71 (0.16)
1616	0.59 (0.05)	2.07 (0.19)
1620	0.97 (0.09)	2.79 (0.26)
2013	0.65 (0.06)	2.30 (0.21)
2016	0.97 (0.09)	2.79 (0.26)
2020	1.61 (0.15)	3.75 (0.35)
2613	0.91 (0.09)	2.90 (0.27)
2616	1.35 (0.13)	3.50 (0.33)
2620	2.24 (0.21)	4.72 (0.44)
3013	1.17 (0.11)	3.49 (0.32)
3016	1.74 (0.16)	4.22 (0.39)
3020	2.87 (0.27)	5.69 (0.53)
4013	1.69 (0.16)	4.68 (0.43)
4016	2.50 (0.23)	5.66 (0.53)
4020	4.13 (0.39)	7.63 (0.71)

Transom Number	Glass Area Sq. Ft./ (m ²)	Overall Window Area Sq. Ft./ (m ²)
5013	2.20 (0.20)	5.86 (0.55)
5016	3.27 (0.30)	7.10 (0.66)
5020	5.40 (0.50)	9.57 (0.89)
6013	2.72 (0.25)	7.05 (0.66)
6016	4.03 (0.38)	8.54 (0.79)
6020	6.67 (0.62)	11.50 (1.07)
8013	3.75 (0.35)	9.43 (0.88)
8016	5.56 (0.52)	11.41 (1.06)
8020	9.20 (0.85)	15.38 (1.43)

• Dimensions in parentheses are in square meters.

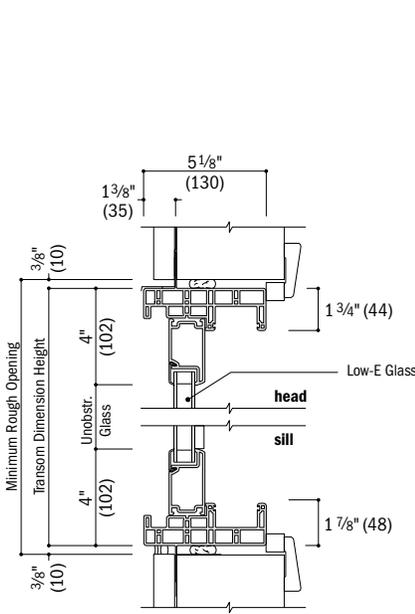
• Dimensions in parentheses are in square meters.

PATIO DOOR SIDELIGHTS & TRANSOMS

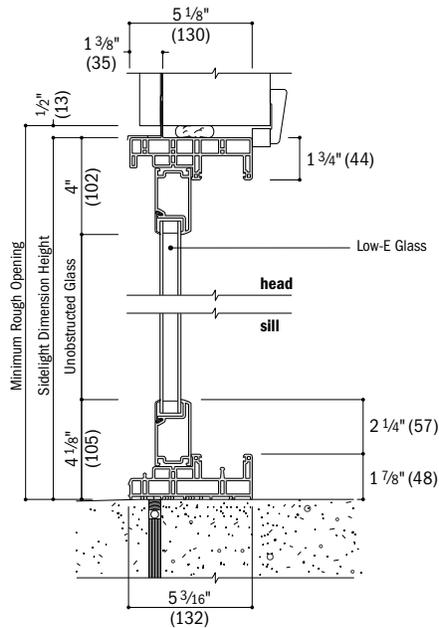
Patio Door Sidelight and Transom Details

Scale 1 1/2" (38) = 1'-0" (305) – 1:8

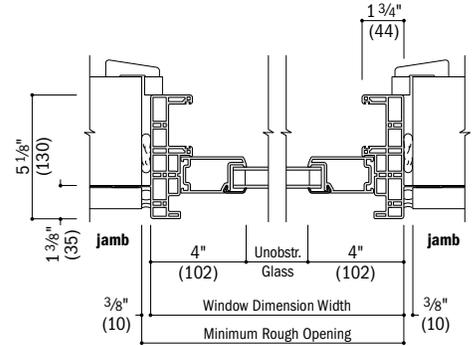
1 3/8" flange setback



Vertical Section
Patio Door Transom

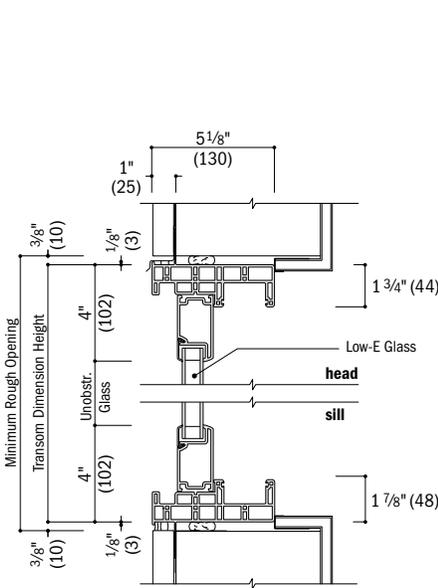


Vertical Section
Patio Door Sidelight

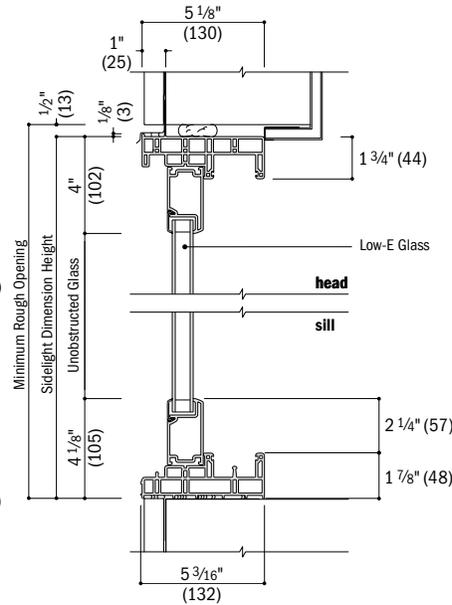


Horizontal Section
Patio Door Sidelight/Transom

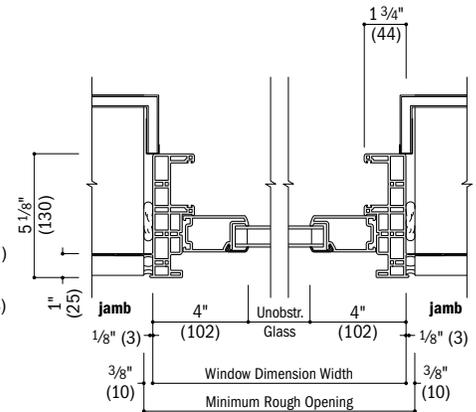
1" flange setback with stucco key



Vertical Section
Patio Door Transom – Stucco Exterior



Vertical Section
Patio Door Sidelight – Stucco Exterior



Horizontal Section
Patio Door Sidelight/Transom – Stucco Exterior

See page 97 for joining details.

- Drip cap is required to complete sidelight and transom installation as shown, but may not be included with the sidelight and transom. Use of drip cap is recommended for proper installation.
- **Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.**
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Dimensions in parentheses are in millimeters.

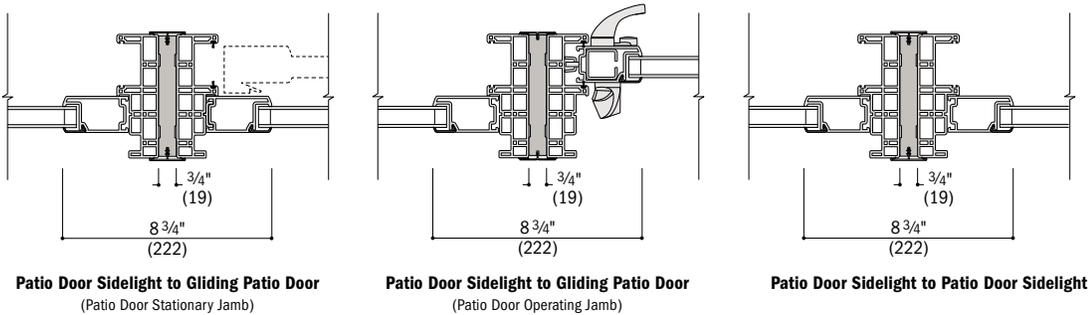
Vertical (ribbon) Joining Details

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).

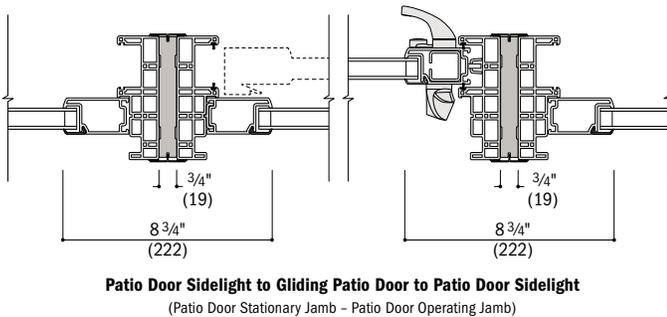
The addition of joining materials will affect the overall rough opening dimension. See page 110.



Overall Sidelight-Door-Sidelight Dimension Width – Sum of individual sidelight-door-sidelight widths plus 1 1/2" (38).

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

The addition of joining materials will affect the overall rough opening dimension. See page 110.



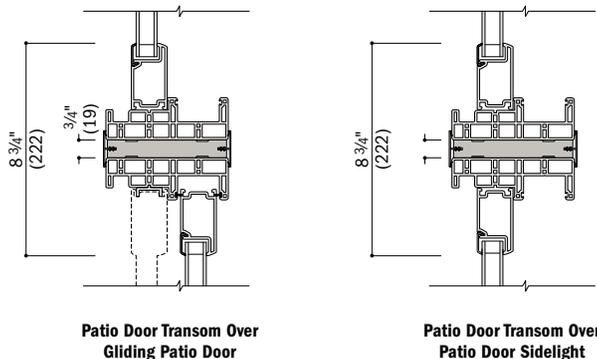
Horizontal (stack) Joining Details

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. See page 110.



For more information on joining, refer to the combination designs section starting on page 99.

- Minimum rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 110.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation instructions at andersenwindows.com.
- Structural performance of any combination is only as high as the lowest structural performance of any individual unit or join in the combination.
- Contact your Andersen supplier for information on meeting wind load requirements for patio door joined combinations.

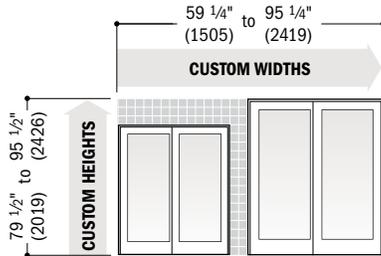
PATIO DOOR CUSTOM SIZES

Custom Sizes and Specification Formulas



100 Series custom-size patio doors and patio door sidelights and transoms are available in 1/8" (3) increments between minimum and maximum widths and heights shown. Some restrictions apply.

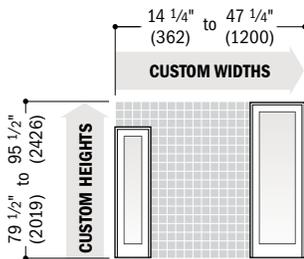
Gliding Patio Doors



To meet or exceed a clear opening width of 32" (813), select a custom-size door width that requires a rough opening width of 6'-6" (1981) or greater.

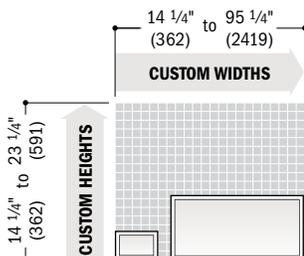
Clear Opening	Minimum R.O.	Unobst. Glass
<p>Width = (door width + 2) - 6.125" (156)</p> <p>Height = door height - 3.625" (92)</p>	<p>Width = door width + 3/4" (19)</p> <p>Height = door height + 1/2" (13)</p>	<p>Single-Panel</p> <p>Width = (door width + 2) - 5.500" (140)</p> <p>Two-Panel</p> <p>Width = door width - 11.000" (279)</p> <p>Height = door height - 8.250" (210)</p>

Patio Door Sidelights



Minimum R.O.	Unobst. Glass
<p>Width = sidelight width + 3/4" (19)</p> <p>Height = sidelight height + 1/2" (13)</p>	<p>Width = sidelight width - 8.048" (204)</p> <p>Height = sidelight height - 8.048" (204)</p>

Patio Door Transoms



Minimum R.O.	Unobst. Glass
<p>Width = transom width + 3/4" (19)</p> <p>Height = transom height + 3/4" (19)</p>	<p>Width = transom width - 8.048" (204)</p> <p>Height = transom height - 8.048" (204)</p>

* **Clear Opening** formulas provide dimensions for determining area available for egress. Vent opening, or area available for passage of air, is equal to clear opening. **Minimum R.O.** (minimum rough opening) formulas provide minimum rough opening width and height dimensions. **Unobst. Glass** (unobstructed glass) formulas provide dimensions for determining area available for passage of light.

* Dimensions in parentheses are in millimeters.

Andersen® window and patio doors make it easy to create a wide variety of combination designs

Combination Types

Ribbons are horizontal window combinations (vertical joins) where opposite ends (head and sill) of individual windows are fastened to the building structure. Stacks are vertical window combinations (horizontal joins) where opposite sides (both side jambs) of individual windows are fastened to the building structure. One-way configurations or two-way configurations are used in combination designs.

One-Way

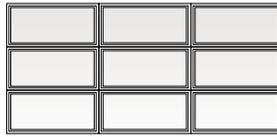


Ribbon Combination



Stack Combination

Two-Way



Multiple Ribbon/Stack Combination

Two-way combinations exist when multiple vertical stacks and horizontal ribbons are joined together. Unlike one-way combinations, the adjacent sides (head and sill, or both side jambs) of individual units are not necessarily fastened directly to the building structure. Two-way combinations are joined with both vertical and horizontal joining material, and may require reinforced joining materials and brackets depending on the local building code requirement for design wind load (measured in pounds per square foot, psf).

Determining Design Wind Load Performance

Proper combination design in conformance with local wind load requirements is vital to the success of your project. To make sure a combination is safe and that it complies with local building codes, the combination design wind load performance capacity must be determined. Correctly determining this performance capacity involves the following three steps:

STEP 1: Determine Building Code Requirement

Make sure you have the proper local codes and have identified specified compliance values. This calculated value (psf) will be used to determine if the combination will be acceptable (STEP 3).



STEP 2: Determine Product Performance

Compare product Design Pressure Rating data to the local building code (psf) requirement. This will show whether the individual units in a combination design are acceptable.



STEP 3: Determine Combination Performance

This step helps determine whether a given product, size, configuration and joining material type will meet the local building code design wind load requirement. To determine what joining material type to use (non-reinforced or reinforced), compare the local building code design wind load requirement to the design wind load table value for a particular joining material on the following pages.

For a successful installation, designed to provide the required design pressure, it is important that Andersen joining materials and installation accessories be specified by a project architect or contractor. Andersen joining materials create a joining system that maintains the look of Andersen® products without sacrificing performance. Check with your Andersen supplier for more information.

The addition of joining materials will affect the overall rough opening dimension. See page 110. **Instruction guides are available at andersenwindows.com. Read and follow instruction guides in their entirety.**

Andersen Trim and End Caps – Interior trim is included with each joining kit for finishing the join on the interior. Exterior trim strip and trim strip end caps are included with each kit for finishing the exterior join.

Materials vary depending on type of units being joined and wind load requirements. Non-reinforced joining materials are used to create alignment and positive joining between windows. Joining materials are not connected to the rough opening structure.

Reinforced joining materials are used to create product alignment, positive joining and load transfer between the Andersen windows and doors and the rough opening. They provide added strength capable of withstanding a variety of wind load pressures. The structural performance of any combination is only as high as the lowest structural performance rating of any individual window or joining material in the combination.

Please contact your Andersen supplier for specific performance and product recommendations.

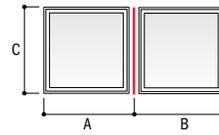
COMBINATION DESIGNS

1-Way Non-Reinforced Fiberglass Joining

100 Series Windows: Picture to Picture, Casement to Casement, Awning to Awning, Casement to Picture, Awning to Picture

Applicable for flanged or flangeless installations into wood, metal, concrete or masonry.

Average Adjacent Window Dimension	$(A+B) \div 2 = 6'-0"$ (1829)	50	50	43	37	32	29	26
	$(A+B) \div 2 = 5'-6"$ (1676)	50	50	44	38	33	30	27
	$(A+B) \div 2 = 5'-0"$ (1524)	50	50	45	39	35	31	28
	$(A+B) \div 2 = 4'-6"$ (1372)	50	50	46	41	36	33	30
	$(A+B) \div 2 = 4'-0"$ (1219)	50	50	49	43	39	35	32
	$(A+B) \div 2 = 3'-6"$ (1067)	50	50	50	47	42	39	36
	$(A+B) \div 2 = 3'-0"$ (914)	50	50	50	50	47	43	40
	$(A+B) \div 2 = 2'-6"$ (762)	50	50	50	50	50	50	46
	$(A+B) \div 2 = 2'-0"$ (610)	50	50	50	50	50	50	50
C = (length of join)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	



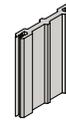
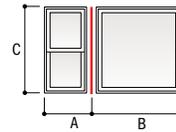
$\frac{1}{2}"$ (13) x $3 \frac{1}{4}"$ (83)
Fiberglass Joining Material

1-Way Non-Reinforced Fiberglass Joining

100 Series Windows: Single-Hung to Picture, Gliding to Picture

Applicable for flanged or flangeless installations into wood, metal, concrete or masonry.

Avg. Adjacent Window Dim.	$(A+B) \div 2 = 5'-0"$ (1524)	50	50	45	39	35	31	28
	$(A+B) \div 2 = 4'-6"$ (1372)	50	50	46	41	36	33	30
	$(A+B) \div 2 = 4'-0"$ (1219)	50	50	49	43	39	35	32
	$(A+B) \div 2 = 3'-6"$ (1067)	50	50	50	47	42	39	36
	$(A+B) \div 2 = 3'-0"$ (914)	50	50	50	50	47	43	40
	$(A+B) \div 2 = 2'-6"$ (762)	50	50	50	50	50	50	46
	$(A+B) \div 2 = 2'-0"$ (610)	50	50	50	50	50	50	50
C = (length of join)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	



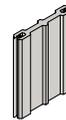
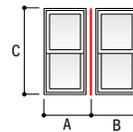
$\frac{1}{2}"$ (13) x $3 \frac{1}{4}"$ (83)
Fiberglass Joining Material

1-Way Non-Reinforced Fiberglass Joining

100 Series Windows: Single-Hung to Single-Hung, Gliding to Gliding, Single-Hung to Casement, Single-Hung to Awning

Applicable for flanged or flangeless installations into wood, metal, concrete or masonry.

Avg. Adj. Window Dim.	$(A+B) \div 2 = 4'-0"$ (1219)	50	50	49	43	39	34	30
	$(A+B) \div 2 = 3'-6"$ (1067)	50	50	50	47	42	38	33
	$(A+B) \div 2 = 3'-0"$ (914)	50	50	50	50	47	43	38
	$(A+B) \div 2 = 2'-6"$ (762)	50	50	50	50	50	50	45
	$(A+B) \div 2 = 2'-0"$ (610)	50	50	50	50	50	50	50
C = (length of join)	5'-0" (1524)	5'-6" (1676)	6'-0" (1829)	6'-6" (1981)	7'-0" (2134)	7'-6" (2286)	8'-0" (2438)	



$\frac{1}{2}"$ (13) x $3 \frac{1}{4}"$ (83)
Fiberglass Joining Material

• Numerical values in charts represent structural pressure only.

• Structural performance of any combination is only as high as the lowest structural performance of any individual unit or joining material in the combination.

• Andersen® products must be installed and anchored properly according to joining and installation guides to meet rated structural performance. Refer to product joining and installation guides at andersenwindows.com.

• Single transom windows use "picture" frame type. Integral transom windows use "single-hung" frame type. Combination performance should be determined accordingly.

• Dimensions in parentheses are in millimeters.

PRODUCT PERFORMANCE

Andersen® 100 Series Window and Patio Door Altitude Limits

The chart below gives the altitude limit in feet for 100 Series products in this catalog. If the installation of a given product is at an altitude greater than that shown in this chart, a capillary breather tube must be ordered. Be aware that the use of a capillary breather tube eliminates argon gas blend fill and will result in a slightly lower thermal performance (approximately 0.02 increase in window U-Factor). For NFRC certified total unit performance on units with capillary breather tubes for higher altitude applications, please visit andersenwindows.com/nfrc.

The use of dual-pane insulating glass without capillary breather tubes at altitudes higher than its rating will result in severe glass distortion, increased glass breakage potential and a risk for seal failure.

Smaller windows are most affected by altitude changes. An increase in altitude results in a decrease in atmospheric pressure. A sealed insulating glass unit attempts to combat this change by increasing its volume to reduce its pressure. One way to increase its volume is by glass deflection. A smaller window is stiffer and does not deflect as much as a larger window; therefore, it cannot relieve the pressure as readily. Thus, the load applied to the glass is greater, resulting in a greater risk for breakage. Another way the window tries to increase its volume is by increasing the edge area; i.e., the seal area. The increased pressure applied to the edge seal load for a smaller window is therefore greater, increasing the chance for seal failure.

Andersen® Product	3,000			4,000			5,000		6,000		7,000		8,000		9,000		10,000		
100 Series Casement Windows				1620	1650		2020	2050	2660		2626	2656	3056	3030					
				1626	1656		2026	2056			2630	3026	3060	3036					
				1630	1660		2030	2060			2636			3040					
				1636			2036	2620			2640			3046					
				1640			2040	3020			2646			3050					
			1646			2046				2650									
100 Series Awning Windows				1616	2016	4016	2020	3020			2626	4026		3030					
				1620	2616		2026	3620			2630			3630					
				1626	3016		2030	4020			3026			4030					
				1630	3616		2620				3626								
100 Series Single-Hung Windows	1620			1626	1666	3030	2036	2076	2640		2646	3646	3050	3056		3660			
	2020			1630	1670	3626	2040	2636	3040		2650	4046	3650	3060		3666			
	2620			1636	1676	3630	2046	3036	3640		2656		4050	3066		3670			
	3020			1640	2026	4026	2050	3636	4040		2660			3070		4060			
	3620			1646	2030	4030	2056	4036			2666			3076		4066			
	4020			1650	2626		2060				2670			3656		4070			
				1656	2630		2066				2676			4056		4076			
				1660	3026		2070				3046								
100 Series Gliding Windows - Active-Stationary or Stationary-Active	2010	2056	4016	2620	3020	3620	3626	4626	4030		4630	5630	5036	5636		6040			
	2016	2060	4610	2626	3026	4020	3630	5026	4036		4636	6030	5040	5640		6046			
	2020	2610	4616	2630	3030	4620	3636	5626	4040		4640		5046	5646					
	2026	2616	5010	2636	3036	5020	3640	6026	4046		4646		5050	5650					
	2030	3010	5016	2640	3040	5620	3646	4050	4050		4650		5056	6036					
	2036	3016	5610	2646	3046	6020	3650	4056	4056		4656		5656	6050					
	2040	3610	5616	2650	3050		3656		4060		4660		5660	6056					
	2046	3616	6010	2656	3056		3660				5030			6060					
	2050	4010	6016	2660	3060		4026				5060								
100 Series Gliding Windows - Active-Stationary-Active				5016	6020		6036	8020	7040	8040	7640	8636	8646	9050	12056	10056			
				5020	6026		6040	8620	7046		7646	8640	8650	9056	12060	11060			
				5026	6030		6046	9020	7050		7650	9026	8656	9060		12036			
				5030	7016		6050	10020	7056		7656	9030	8660	10060		12040			
				5036	7616		6056	11020	7060		7660	9036	10030	11030		12046			
				5040	8016		6060	12020	7626		8046	9040	10036	11036					
				5046	8616		7020		7630		8050	9046	10040	11040					
				5050	9016		7026		7636		8056	10026	10046	11046					
				5056	10016		7030		8026		8060	11026	10050	11050					
				5060	11016		7036		8030		8626	12026	11056	12030					
				6016	12016		7620		8036		8630		12050						
100 Series Picture, Transom and Specialty Windows	1010	5610		1616	2060	7016	2626				3030		3636		4040	5066	6646		
	1016	6010		1620	2066	7020	2630				3036		3640		4046	5070	6650		
	1020	6610		1626	2070	7616	2636				3040		3646		4050	5076	6656		
	1026	7010		1630	2076	7620	2640				3046		3650		4056	5080	6660		
	1030	7610		1636	2080	8016	2646				3050		3656		4060	5640	7040		
	1036	8010		1640	2616	8020	2650				3056		3660		4066	5646	7046		
	1040			1646	2620		2656				3060		3666		4070	5650	7050		
	1046			1650	3016		2660				3066		3670		4076	5656	7056		
	1050			1656	3020		2666				3070		3676		4080	5660	7060		
	1056			1660	3616		2670				3076		3680		4640	5666	7640		
	1060			1666	3620		2676				3080		4036		4646	5670	7646		
	1066			1670	4016		2680				3630		4636		4650	5676	7650		
	1070			1676	4020		3026				4030		5036		4656	5680	7656		
	1076			1680	4616		3626				4630		5636		4660	6040	7660		
	1080			2016	4620		4026				5030		6036		4666	6046	8040		
	1610			2020	5016		4626				5630		6636		4670	6050	8046		
	2010			2026	5020		5026				6030		7036		4676	6055	8050		
	2610			2030	5616		5626				6630		7636		4680	6060	8056		
3010			2036	5620		6026				7030		8036		5040	6066	8060			
3610			2040	6016		6626				7630				5046	6070				
4010			2046	6020		7026				8030				5050	6076				
4610			2050	6616		7626								5056	6080				
5010			2056	6620		8026								5060	6640				
100 Series Gliding Patio Doors															5068	6068	8068		
															50611	60611	80611		
															5080	6080	8080		
100 Series Patio Door Sidelights	1368			1668									2068		2668	3068	4068		
	13611			16611									20611		26611	30611	40611		
	1380			1680									2080		2680	3080	4080		
100 Series Patio Door Transoms	1313	2016	5013	2020															
	1316	2613	5016	2620															
	1320	2616	6013	3020															
	1613	3013	6016	4020															
	1616	3016	8013	5020															
	1620	4013	8016	6020															
	2013	4016		8020															

* Deflection of glass will occur on units with larger glass areas.
 * Altitude limits for patio doors shown in two-panel configurations. These limits also qualify for same size panels used in single panel configurations.
 • Contact your Andersen supplier for altitude limits for custom-sized windows and doors.
 * For NFRC ratings of units with capillary breather tubes, visit andersenwindows.com.

PERFORMANCE STANDARDS

The Window and Door Manufacturers Association (WDMA), the American Architectural Manufacturers Association (AAMA) and the Canadian Standards Association (CSA) jointly release the North American Fenestration Standard/Specification for Windows, Doors and Skylights (NAFS-11) where “-11” refers to the most recent publication year of 2011. NAFS is also referred to as AAMA/WDMA/CSA 101/I.S.2/A440, which is how the International Code Council (ICC) lists this standard in the 2012, 2015 and 2018 International Residential Code (IRC) and International Building Code (IBC) as the means to indicate the window, door or skylights design pressure rating used to determine compliance to the job site design pressure requirements.

A product only achieves a “Performance Grade” or “PG” rating when it complies with all of the NAFS performance requirements such as ease of operation, air infiltration resistance, resistance to water penetration and resistance to forced entry, etc. A “Design Pressure Rating” or “DP” rating only depicts the design and structural load performance.

Performance Classes

The NAFS Standard/Specification defines requirements for four performance classes. Performance classes are designated R, LC, CW and AW. This classification system provides for several levels of performance. Product selection is always based on the performance and building code requirements of the particular project.

Elements of Performance Grade (PG) Designations

In order to qualify for a given performance grade (PG), test specimens need to pass all required performance tests for the following, in addition to all required auxiliary (durability) and applicable material/component tests (not shown here) for the applicable product type and desired performance class:

- (a) Operating force (if applicable):** Maximum operating force varies by product type and performance class.
- (b) Air leakage resistance:** Tested in accordance with ASTM E283 at a test pressure of 1.57 psf. Allowable air infiltration for R, LC and CW class designations is 0.3 cubic feet per minute per square foot of frame (cfm/ft²).
- (c) Water penetration resistance:** Tested in accordance with ASTM E547 with the specified test pressure applied per NAFS-11. Test consists of four cycles. Each cycle consists of five minutes with pressure applied and one minute with the pressure released, during which the water spray is continuously applied. Water spray shall be uniformly applied at a constant rate of 5 U.S. gal/ft² · hr.
- (d) Uniform load deflection test:** Tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by NAFS-11) with the load maintained for a period of 10 seconds. The test specimen shall be evaluated for deflection during each load for permanent damage after each load and for any effects on the normal operation of the specimen. *Starting with the 2008 version of NAFS, design pressure (DP) will only represent the “uniform load deflection test.”*
- (e) Uniform load structural test:** Tested in accordance with ASTM E330 for both positive and negative pressure (pressure defined by NAFS-11) with the load maintained for a period of 10 seconds. After loads are removed, there shall be no permanent deformation in excess of 0.4% of its span and no damage to the unit, which would make it inoperable.
- (f) Forced-entry resistance (if applicable):** Tested in accordance with ASTM F588 (windows), F476 (swinging doors) and F842 (sliding doors) at a performance level 10 rating.

Performance Grades (PG) and Corresponding Test Pressures (psf)

Performance Class/ Performance Grade		Air Infiltration Test Pressure		Maximum Allowable Air Infiltration/ Exfiltration Rate		Water Penetration Resistance Test Pressure		Design Pressure		Structural Test Pressure	
R	LC	Pa	psf	L/s·m ²	cfm/ft ²	Pa	psf	Pa	psf	Pa	psf
15	-	75	1.57	1.5	0.30	140	2.92	720	15.04	1080	22.56
20	-	75	1.57	1.5	0.30	150	3.13	960	20.05	1440	30.08
25	25	75	1.57	1.5	0.30	180	3.76	1200	25.06	1800	37.59
30	30	75	1.57	1.5	0.30	220	4.59	1440	30.08	2160	45.11
35	35	75	1.57	1.5	0.30	260	5.43	1680	35.09	2520	52.63
40	40	75	1.57	1.5	0.30	290	6.06	1920	40.10	2880	60.15
45	45	75	1.57	1.5	0.30	330	6.89	2160	45.11	3240	67.67
50	50	75	1.57	1.5	0.30	360	7.52	2400	50.13	3600	75.19
55	55	75	1.57	1.5	0.30	400	8.35	2640	55.14	3960	82.71
60	60	75	1.57	1.5	0.30	440	9.19	2880	60.15	4320	90.23
65	65	75	1.57	1.5	0.30	470	9.82	3120	65.16	4680	97.74
70	70	75	1.57	1.5	0.30	510	10.65	3360	70.18	5040	105.26
75	75	75	1.57	1.5	0.30	540	11.28	3600	75.19	5400	112.78
80	80	75	1.57	1.5	0.30	580	12.11	3840	80.20	5760	120.30
85	85	75	1.57	1.5	0.30	580	12.11	4080	85.21	6120	127.82
90	90	75	1.57	1.5	0.30	580	12.11	4320	90.23	6480	135.34
95	95	75	1.57	1.5	0.30	580	12.11	4560	95.24	6840	142.86
100	100	75	1.57	1.5	0.30	580	12.11	4800	100.25	7200	150.38

HALLMARK CERTIFICATION

The Window and Door Manufacturers Association (WDMA)-sponsored Hallmark Certification Program provides manufacturers with certification to the AAMA/WDMA/CSA 101/I.S.2/A440-11 Standard and is designed to provide builders, architects, specifiers and consumers with an easily recognizable means of identifying products that have been manufactured and tested in accordance with NAFS (AAMA/WDMA/CSA 101/I.S.2/A440) industry standards and other applicable performance standards. Conformance is determined by periodic in-plant inspections by a third-party administrator. Inspections include auditing licensee quality control procedures and processes, and a review to confirm products are manufactured in accordance with the appropriate performance standards. Periodic testing of representative product constructions and components by an independent testing laboratory is also required. When all of the program requirements are met, the licensee is authorized to use the WDMA Hallmark registered logo on their certification label as a means of identifying products and their performance ratings.

Products successfully obtaining Hallmark Certification will be labeled with a three-part code, which includes performance class, performance grade and size tested. In addition to this mandatory requirement, you are allowed to list the design pressure on a separate line.

	Andersen Corporation 100 SERIES CASEMENT WINDOW Manufacturer stipulates certification as indicated below.
	STANDARDS: AAMA/WDMA/CSA 101/I.S.2/A440-11 AAMA/WDMA/CSA 101/I.S.2/A440-08
RATING	
Class LC ⁽¹⁾ - PG40 ⁽²⁾ - Size Tested 71.5 x 71.5 in. ⁽³⁾ DP+40/-45 ⁽⁴⁾	

- (1) - Performance Class
- (2) - Performance Grade
- (3) - Size Tested
- (4) - Design Pressure

In the example above, the performance class is LC, the performance grade (PG) is 40 pounds per square foot (psf) and the size tested is 71.5" x 71.5". What this means to the specifier is, based on the performance grade chart, the laboratory-tested air infiltration was less than 0.3 cfm/ft² (test pressure is always 1.57 psf and the allowable airflow is 0.3 cfm/ft²), the product tested successfully resisted a laboratory water penetration test at a test pressure of 6.0 psf, the product tested successfully withstood a laboratory positive test pressure of 60 psf and a laboratory negative test pressure of 67 psf, and the product tested passed the laboratory requirements for operational force and forced-entry resistance. Based on this test, all products of the same design that are smaller than the tested size can be labeled with this product performance rating.

IMPORTANT

Building codes prescribe design pressure based on a variety of criteria (i.e., windspeed zone, building height, building type, job site exposure, etc.). Design pressures derived from Performance Grade (PG) test requirements should be used to determine compliance to building code required design pressures. Structural test pressures, which are tested at 1.5 times the design pressure, should not be used for determining design pressure code compliance. In the example above, a PG 40 performance grade rating, which passes a 40 psf design pressure, should be used for determining code compliance, not the structural test pressure of 60 psf.

If you need further details about how Andersen® products perform to this standard, contact your Andersen supplier.

If you need further information about the AAMA/WDMA/CSA 101/I.S.2/A440-11 standard or the Hallmark Certification Program, please contact: WDMA, 2001 K Street NW, 3rd Floor North, Washington, D.C. 20006. Phone: 202-367-1157 Website: wdma.com

Where designated, Andersen products are tested, certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.

 Combination Designs,
 Product Performance
 & Installation

PRODUCT PERFORMANCE

Performance Grade, Sound Transmission and Air Infiltration Ratings – 100 Series Windows and Patio Doors

For current performance information, please visit andersenwindows.com.

Andersen® Product	AAMA/WDMA/CSA 101/I.S.2/A440 Performance Grade (PG)	+/- Corresponding Design Pressure (DP)	STANDARD GLASS		STC UPGRADE GLASS		Air Infiltration CFM/FT ²
			Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	Sound Transmission Class (STC)	Outdoor/Indoor Transmission Class (OITC)	
Casement Windows							
Single and Twin (venting/stationary)	Class LC-PG40 Size Tested 71.5" x 71.5"	40/45	30	25	33	28	< 0.2
Single and Twin, PG Upgrade (venting/stationary)	Class LC-PG50 Size Tested 71.5" x 71.5"	50/50*	30	25	33	28	< 0.2
Picture With Flanking Casements	Class LC-PG40 Size Tested 143.5" x 71.5"	40/40	-	-	-	-	< 0.2
Picture With Flanking Casements, PG Upgrade	Class LC-PG50 Size Tested 143.5" x 65.5"	50/50*	-	-	-	-	< 0.2
Awning Windows							
Single and Twin (venting/stationary)	Class LC-PG40 Size Tested 47.5" x 95.5"	40/45	30	25	33	28	< 0.2
Single and Twin, PG Upgrade (venting/stationary)	Class LC-PG50 Size Tested 47.5" x 95.5"	50/50*	30	25	33	28	< 0.2
Picture Over Awning	Class LC-PG40 Size Tested 47.5" x 95.5"	40/45	-	-	-	-	< 0.2
Picture Over Awning, PG Upgrade	Class LC-PG50 Size Tested 47.5" x 95.5"	50/50*	-	-	-	-	< 0.2
Single-Hung Windows							
Arch Single-Hung	Class LC-PG30 Size Tested 41.5" x 95.0"	30/30	-	-	-	-	< 0.2
Arch Single-Hung, PG Upgrade	Class LC-PG50 Size Tested 41.5" x 83.0"	50/50*	-	-	-	-	< 0.2
Single-Hung	Class LC-PG30 Size Tested 47.5" x 89.5"	30/30	28	23	32	26	< 0.2
Single-Hung, PG Upgrade	Class LC-PG50 Size Tested 47.5" x 77.5"	50/50*	28	23	32	26	< 0.2
Twin and Triple Single-Hung	Class LC-PG30 Size Tested 143.5" x 71.5"	30/30	-	-	-	-	< 0.2
Twin and Triple Single-Hung, PG Upgrade	Class LC-PG50 Size Tested 143.5" x 65.5"	50/50*	-	-	-	-	< 0.2
Transom Over Single-Hung	Class LC-PG30 Size Tested 47.5" x 95.5"	30/30	-	-	-	-	< 0.2
Transom Over Single-Hung, PG Upgrade	Class LC-PG50 Size Tested 47.5" x 95.5"	50/50*	-	-	-	-	< 0.2
Picture With Flanking Single-Hungs	Class LC-PG30 Size Tested 143.5" x 71.5"	30/30	-	-	-	-	< 0.2
Picture With Flanking Single-Hungs, PG Upgrade	Class LC-PG50 Size Tested 143.5" x 59.5"	50/50*	-	-	-	-	< 0.2
Gliding Windows							
Gliding - Active-Stationary or Stationary-Active	Class LC-PG30 Size Tested 71.5" x 71.5"	30/30	28	23	32	27	< 0.2
Gliding, PG Upgrade - Active-Stationary or Stationary-Active	Class LC-PG50 Size Tested 71.5" x 59.5"	50/50*	28	23	32	27	< 0.2
Picture over Gliding - Active-Stationary or Stationary-Active	Class LC-PG30 Size Tested 59.5" x 83.5"	30/30	-	-	-	-	< 0.2
Gliding - Active-Stationary-Active	Class LC-PG30 Size Tested 143.5" x 71.5"	30/30	-	-	-	-	< 0.2
Gliding, PG Upgrade - Active-Stationary-Active	Class LC-PG50 Size Tested 101.5" x 59.5"	50/50*	-	-	-	-	< 0.2
Picture over Gliding - Active-Stationary-Active	Class LC-PG30 Size Tested 107.5" x 83.5"	30/30	-	-	-	-	< 0.2
Picture, Transom & Specialty Windows							
Picture, Transom and Specialty Windows	Class LC-PG40 Size Tested 95.5" x 84.3"	40/40	29	24	32	27	< 0.2
Picture, Transom and Specialty Windows, PG Upgrade	Class LC-PG50 Size Tested 95.5" x 71.5"	50/50*	29	24	32	27	< 0.2
Gliding Patio Doors	Class LC-PG30 Size Tested 95.3" x 95.5"	30/30	28	23	29	26	< 0.2
Patio Door Sidelights	Class LC-PG30 Size Tested 47.3" x 95.3"	30/30	29	24	31	26	< 0.2
Patio Door Transoms	Class LC-PG30 Size Tested 95.3" x 23.3"	30/30	29	24	31	26	< 0.2

- * "Performance Grade (PG)" ratings may vary from tested performance rating for larger or smaller units of a particular type.
- * "Sound Transmission Class (STC)" and "Outdoor/Indoor Transmission Class (OITC)" ratings are for individual units with 3 mm glass based on independent tests and represent entire unit.
- * This data is accurate as of January 2022. Due to ongoing product changes, updated test results, or new industry standards, this data may change over time.
- * Where designated, Andersen products are certified and labeled to the requirements of the Hallmark Certification Program. Actual performance may vary based on variations in manufacturing, shipping, installation, environmental conditions and conditions of use.
- * Contact your Andersen supplier for more information.
- * Available for select sizes. Contact your Andersen supplier.

Andersen® Products Total Unit Recycled Content Percentages

For current performance information, please visit andersenwindows.com.

Andersen Product	% Pre-Consumer Recycled Content
100 Series Windows & Patio Doors	
Casement Window	23%
Awning Window	24%
Single-Hung Window	20%
Gliding Window	21%
Picture Window	18%
Gliding Patio Door	14%
Patio Door Sidelight	18%
Patio Door Transom	21%

* "% Pre-Consumer Recycled Content" is calculated to meet ISO 14021 standards based on NFRC sizing. Actual recycled content dependent on product size.

Center of Glass Performance Data – 100 Series Windows and Patio Doors

 For current performance information, please visit andersenwindows.com.

Andersen® Product & Glass Type	VT ¹	SC ²	SHGC ³	RHG ⁴	Fading		%RH @ center ⁷	IGST ⁸
					Tuv ⁵	Tdw ⁶		
Low-E Glass								
Casement, Awning, Single-Hung and Gliding Windows	72%	0.48	0.41	98.2	16%	33%	61%	55.7
Picture, Transom and Specialty Windows	72%	0.47	0.41	97.5	16%	33%	60%	55.3
Gliding Patio Doors	72%	0.47	0.41	97.5	16%	33%	60%	55.3
Patio Door Sidelights and Transoms	72%	0.47	0.41	97.5	16%	33%	60%	55.3
Low-E SmartSun™ Glass								
Casement, Awning, Single-Hung and Gliding Windows	65%	0.31	0.27	65.6	5%	21%	62%	56.1
Picture, Transom and Specialty Windows	65%	0.31	0.27	64.9	5%	21%	61%	55.7
Gliding Patio Doors	65%	0.31	0.27	64.9	5%	21%	61%	55.7
Patio Door Sidelights and Transoms	65%	0.31	0.27	64.9	5%	21%	61%	55.7
Low-E Sun Glass								
Casement, Awning, Single-Hung and Gliding Windows	40%	0.29	0.25	61.1	16%	24%	60%	55.4
Picture, Transom and Specialty Windows	40%	0.29	0.25	60.4	16%	24%	59%	55.0
Gliding Patio Doors	40%	0.29	0.25	60.4	16%	24%	59%	55.0
Patio Door Sidelights and Transoms	40%	0.29	0.25	60.4	16%	24%	59%	55.0
Low-E PassiveSun® Glass								
Casement, Awning, Single-Hung and Gliding Windows	79%	0.79	0.69	161.0	29%	42%	60%	55.1
Picture, Transom and Specialty Windows	79%	0.79	0.69	161.0	29%	42%	59%	54.7
Gliding Patio Doors	79%	0.79	0.69	161.0	29%	42%	59%	54.7
Patio Door Sidelights and Transoms	79%	0.79	0.69	161.0	29%	42%	59%	54.7
Clear Dual-Pane Glass								
Casement, Awning, Single-Hung and Gliding Windows	82%	0.89	0.78	186	58%	61%	39%	43.7
Picture, Transom and Specialty Windows	82%	0.89	0.78	186	58%	61%	39%	43.6
Gliding Patio Doors	82%	0.89	0.78	186	58%	61%	39%	43.6
Patio Door Sidelights and Transoms	82%	0.89	0.78	186	58%	61%	39%	43.6

* Based on NFRC testing/simulation conditions using Windows v7.4.6.0 and NFRC validated spectral data. 0°F outside temperature, 70°F inside temperature and a 15 mph wind.

1) Visible Transmittance (VT) measures how much light comes through the glass. The higher the value, from 0 to 1, the more daylight the glass lets in. Visible Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum. 2) Shading Coefficient (SC) defines the amount of heat gain through the glass compared to a single light of clear 1/8" (3) glass. 3) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass directly transmitted, as well as absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 4) Relative Heat Gain (RHG) is the amount of heat gain through a glazing incorporating U-Factor and Solar Heat Gain Coefficient. 5) Transmission Ultra-Violet Energy (Tuv). The transmission of short-wave energy in the 300-380 nanometer portion of the solar spectrum. The energy can cause fabric fading. 6) Transmission Damage Function (Tdw). The transmission of UV and visible light energy in the 300-600 nanometer portion of the solar spectrum. The value includes both the UV and visible light energy that can cause fabric fading. This rating has also been referred to as the Krochmann Damage Function. This rating better predicts fading potential than UV transmission alone. The lower the Damage Function rating, the less transmission of short-wave energy through the glass that can potentially cause fabric fading. Fabric type is also a key component of fading potential. 7) Percent relative humidity before condensation occurs at the center of glass, taken using center of glass temperature. 8) Inside glass surface temperatures are taken at the center of glass.

* This data is accurate as of January 2022. Due to ongoing product changes, updated test results or new industry standards, this data may change over time. Contact your Andersen supplier for current performance information or upgrade options.

* Contact your Andersen supplier for center of glass performance data on windows with patterned glass, tempered glass and products ordered with capillary breather tubes.

Andersen® NFRC Certified Total Unit Performance

 For current performance information, please visit andersenwindows.com.

Andersen Product	High-Performance Dual-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³	
100 Series Casement Windows AND-N-84 2.2 mm glass	Low-E	Without Grilles	0.28	0.28	0.48
		Simulated Divided Light Grilles	0.28	0.25	0.43
		Finelight™ Grilles	0.28	0.25	0.43
		Finelight With Exterior Applied Grilles	0.28	0.25	0.43
		Full Divided Light Grilles	0.29	0.25	0.43
	Low-E w/HeatLock™	Without Grilles	0.24	0.27	0.47
		Simulated Divided Light Grilles	0.24	0.25	0.42
		Finelight Grilles	0.24	0.25	0.42
		Finelight With Exterior Applied Grilles	0.24	0.25	0.42
		Full Divided Light Grilles	0.26	0.25	0.42
	Low-E SmartSun™	Without Grilles	0.27	0.18	0.43
		Simulated Divided Light Grilles	0.27	0.17	0.39
		Finelight Grilles	0.27	0.17	0.39
		Finelight With Exterior Applied Grilles	0.27	0.17	0.39
		Full Divided Light Grilles	0.28	0.17	0.39
	Low-E SmartSun w/HeatLock	Without Grilles	0.24	0.18	0.42
		Simulated Divided Light Grilles	0.24	0.16	0.38
		Finelight Grilles	0.24	0.16	0.38
		Finelight With Exterior Applied Grilles	0.24	0.16	0.38
		Full Divided Light Grilles	0.25	0.16	0.38
	Low-E Sun	Without Grilles	0.28	0.17	0.26
		Simulated Divided Light Grilles	0.28	0.16	0.24
		Finelight Grilles	0.28	0.16	0.24
		Finelight With Exterior Applied Grilles	0.28	0.16	0.24
		Full Divided Light Grilles	0.29	0.16	0.24
	Low-E PassiveSun®	Without Grilles	0.28	0.46	0.53
		Simulated Divided Light Grilles	0.28	0.42	0.47
		Finelight Grilles	0.28	0.42	0.47
Finelight With Exterior Applied Grilles		0.28	0.42	0.47	
Full Divided Light Grilles		0.29	0.42	0.47	
Clear Dual-Pane	Without Grilles	0.41	0.52	0.55	
	Simulated Divided Light Grilles	0.41	0.48	0.49	
	Finelight Grilles	0.41	0.48	0.49	
	Finelight With Exterior Applied Grilles	0.41	0.48	0.49	
	Full Divided Light Grilles	0.42	0.48	0.49	

Refer to notes on page 106 for important information on performance data.

Andersen Product	High-Performance Dual-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³	
100 Series Awning Windows AND-N-85 2.2 mm glass	Low-E	Without Grilles	0.28	0.28	0.48
		Simulated Divided Light Grilles	0.28	0.25	0.43
		Finelight™ Grilles	0.28	0.25	0.43
		Finelight With Exterior Applied Grilles	0.28	0.25	0.43
		Full Divided Light Grilles	0.29	0.25	0.43
	Low-E w/HeatLock™	Without Grilles	0.25	0.27	0.47
		Simulated Divided Light Grilles	0.25	0.25	0.42
		Finelight Grilles	0.25	0.25	0.42
		Finelight With Exterior Applied Grilles	0.25	0.25	0.42
		Full Divided Light Grilles	0.26	0.25	0.42
	Low-E SmartSun™	Without Grilles	0.27	0.18	0.43
		Simulated Divided Light Grilles	0.27	0.17	0.39
		Finelight Grilles	0.27	0.17	0.39
		Finelight With Exterior Applied Grilles	0.27	0.17	0.39
		Full Divided Light Grilles	0.28	0.17	0.39
	Low-E SmartSun w/HeatLock	Without Grilles	0.24	0.18	0.42
		Simulated Divided Light Grilles	0.24	0.16	0.38
		Finelight Grilles	0.24	0.16	0.38
		Finelight With Exterior Applied Grilles	0.24	0.16	0.38
		Full Divided Light Grilles	0.26	0.16	0.38
	Low-E Sun	Without Grilles	0.28	0.17	0.26
		Simulated Divided Light Grilles	0.28	0.16	0.24
		Finelight Grilles	0.28	0.16	0.24
		Finelight With Exterior Applied Grilles	0.28	0.16	0.24
		Full Divided Light Grilles	0.29	0.16	0.24
	Low-E PassiveSun®	Without Grilles	0.28	0.46	0.53
		Simulated Divided Light Grilles	0.28	0.42	0.47
		Finelight Grilles	0.28	0.42	0.47
Finelight With Exterior Applied Grilles		0.28	0.42	0.47	
Full Divided Light Grilles		0.29	0.42	0.47	
Clear Dual-Pane	Without Grilles	0.42	0.52	0.55	
	Simulated Divided Light Grilles	0.42	0.48	0.49	
	Finelight Grilles	0.42	0.48	0.49	
	Finelight With Exterior Applied Grilles	0.42	0.48	0.49	
	Full Divided Light Grilles	0.42	0.48	0.49	

* This data is accurate as of January 2022. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on use of tempered glass, different grille options, glass for high altitudes, etc.

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PRODUCT PERFORMANCE

Andersen® NFRC Certified Total Unit Performance (continued)

For current performance information, please visit andersenwindows.com.

Andersen Product	High-Performance Dual-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³		
100 Series Single-Hung Windows AND-N-80 2.2 mm glass	Low-E	Without Grilles	0.30	0.31	0.54	
		Simulated Divided Light Grilles	0.30	0.28	0.48	
		Finelight™ Grilles	0.30	0.28	0.48	
		Finelight With Exterior Applied Grilles	0.30	0.28	0.48	
		Full Divided Light Grilles	0.31	0.28	0.48	
	Low-E w/HeatLock™	Without Grilles	0.26	0.31	0.53	
		Simulated Divided Light Grilles	0.26	0.28	0.47	
		Finelight Grilles	0.26	0.28	0.47	
		Finelight With Exterior Applied Grilles	0.26	0.28	0.47	
		Full Divided Light Grilles	0.28	0.28	0.47	
	Low-E SmartSun™	Without Grilles	0.29	0.21	0.49	
		Simulated Divided Light Grilles	0.29	0.19	0.43	
		Finelight Grilles	0.29	0.19	0.43	
		Finelight With Exterior Applied Grilles	0.29	0.19	0.43	
		Full Divided Light Grilles	0.31	0.19	0.43	
	Low-E SmartSun w/HeatLock	Without Grilles	0.25	0.20	0.48	
		Simulated Divided Light Grilles	0.25	0.18	0.42	
		Finelight Grilles	0.25	0.18	0.42	
		Finelight With Exterior Applied Grilles	0.25	0.18	0.42	
		Full Divided Light Grilles	0.28	0.18	0.42	
	Low-E Sun	Without Grilles	0.30	0.19	0.30	
		Simulated Divided Light Grilles	0.30	0.17	0.27	
		Finelight Grilles	0.30	0.17	0.27	
		Finelight With Exterior Applied Grilles	0.30	0.17	0.27	
		Full Divided Light Grilles	0.32	0.17	0.27	
	Low-E PassiveSun™	Without Grilles	0.31	0.52	0.60	
		Simulated Divided Light Grilles	0.31	0.47	0.53	
		Finelight Grilles	0.31	0.47	0.53	
		Finelight With Exterior Applied Grilles	0.31	0.47	0.53	
		Full Divided Light Grilles	0.32	0.47	0.53	
	Clear Dual-Pane	Without Grilles	0.46	0.59	0.62	
		Simulated Divided Light Grilles	0.46	0.53	0.55	
		Finelight Grilles	0.46	0.53	0.55	
		Finelight With Exterior Applied Grilles	0.46	0.53	0.55	
		Full Divided Light Grilles	0.47	0.53	0.55	
	100 Series Gliding Windows AND-N-81 2.2 mm glass	Low-E	Without Grilles	0.30	0.31	0.54
			Simulated Divided Light Grilles	0.30	0.28	0.48
			Finelight™ Grilles	0.30	0.28	0.48
			Finelight With Exterior Applied Grilles	0.30	0.28	0.48
			Full Divided Light Grilles	0.31	0.28	0.48
		Low-E w/HeatLock™	Without Grilles	0.26	0.31	0.53
			Simulated Divided Light Grilles	0.26	0.28	0.47
			Finelight Grilles	0.26	0.28	0.47
			Finelight With Exterior Applied Grilles	0.26	0.28	0.47
			Full Divided Light Grilles	0.28	0.28	0.47
		Low-E SmartSun™	Without Grilles	0.29	0.21	0.49
			Simulated Divided Light Grilles	0.29	0.19	0.43
			Finelight Grilles	0.29	0.19	0.43
Finelight With Exterior Applied Grilles			0.29	0.19	0.43	
Full Divided Light Grilles			0.31	0.19	0.43	
Low-E SmartSun w/HeatLock		Without Grilles	0.26	0.20	0.48	
		Simulated Divided Light Grilles	0.26	0.18	0.42	
		Finelight Grilles	0.26	0.18	0.42	
		Finelight With Exterior Applied Grilles	0.26	0.18	0.42	
		Full Divided Light Grilles	0.28	0.18	0.42	
Low-E Sun		Without Grilles	0.30	0.19	0.30	
		Simulated Divided Light Grilles	0.30	0.17	0.27	
		Finelight Grilles	0.30	0.17	0.27	
		Finelight With Exterior Applied Grilles	0.30	0.17	0.27	
		Full Divided Light Grilles	0.32	0.17	0.27	
Low-E PassiveSun™		Without Grilles	0.31	0.52	0.60	
		Simulated Divided Light Grilles	0.31	0.47	0.53	
		Finelight Grilles	0.31	0.47	0.53	
		Finelight With Exterior Applied Grilles	0.31	0.47	0.53	
		Full Divided Light Grilles	0.32	0.47	0.53	
Clear Dual-Pane		Without Grilles	0.46	0.59	0.62	
		Simulated Divided Light Grilles	0.46	0.53	0.55	
		Finelight Grilles	0.46	0.53	0.55	
		Finelight With Exterior Applied Grilles	0.46	0.53	0.55	
		Full Divided Light Grilles	0.47	0.53	0.55	

Andersen Product	High-Performance Dual-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³		
100 Series Picture and Specialty Windows AND-N-82 3.0 mm glass	Low-E	Without Grilles	0.27	0.32	0.56	
		Simulated Divided Light Grilles	0.27	0.29	0.50	
		Finelight™ Grilles	0.27	0.29	0.50	
		Finelight With Exterior Applied Grilles	0.27	0.29	0.50	
		Full Divided Light Grilles	0.29	0.29	0.50	
	Low-E w/HeatLock™	Without Grilles	0.23	0.32	0.55	
		Simulated Divided Light Grilles	0.23	0.29	0.49	
		Finelight Grilles	0.23	0.29	0.49	
		Finelight With Exterior Applied Grilles	0.23	0.29	0.49	
		Full Divided Light Grilles	0.26	0.29	0.49	
	Low-E SmartSun™	Without Grilles	0.27	0.22	0.50	
		Simulated Divided Light Grilles	0.27	0.20	0.45	
		Finelight Grilles	0.27	0.20	0.45	
		Finelight With Exterior Applied Grilles	0.27	0.20	0.45	
		Full Divided Light Grilles	0.29	0.20	0.45	
	Low-E SmartSun w/HeatLock	Without Grilles	0.23	0.21	0.49	
		Simulated Divided Light Grilles	0.23	0.19	0.44	
		Finelight Grilles	0.23	0.19	0.44	
		Finelight With Exterior Applied Grilles	0.23	0.19	0.44	
		Full Divided Light Grilles	0.25	0.19	0.44	
	Low-E Sun	Without Grilles	0.28	0.20	0.31	
		Simulated Divided Light Grilles	0.28	0.18	0.28	
		Finelight Grilles	0.28	0.18	0.28	
		Finelight With Exterior Applied Grilles	0.28	0.18	0.28	
		Full Divided Light Grilles	0.30	0.18	0.28	
	Low-E PassiveSun™	Without Grilles	0.28	0.54	0.61	
		Simulated Divided Light Grilles	0.28	0.48	0.55	
		Finelight Grilles	0.28	0.48	0.55	
		Finelight With Exterior Applied Grilles	0.28	0.48	0.55	
		Full Divided Light Grilles	0.30	0.48	0.55	
	Clear Dual-Pane	Without Grilles	0.44	0.61	0.64	
		Simulated Divided Light Grilles	0.44	0.55	0.57	
		Finelight Grilles	0.44	0.55	0.57	
		Finelight With Exterior Applied Grilles	0.44	0.55	0.57	
		Full Divided Light Grilles	0.45	0.55	0.57	
	100 Series Transom Windows AND-N-83 3.0 mm glass	Low-E	Without Grilles	0.29	0.33	0.56
			Simulated Divided Light Grilles	0.29	0.30	0.50
			Finelight™ Grilles	0.29	0.30	0.50
			Finelight With Exterior Applied Grilles	0.29	0.30	0.50
			Full Divided Light Grilles	0.30	0.30	0.50
		Low-E w/HeatLock™	Without Grilles	0.25	0.32	0.55
			Simulated Divided Light Grilles	0.25	0.29	0.49
			Finelight Grilles	0.25	0.29	0.49
			Finelight With Exterior Applied Grilles	0.25	0.29	0.49
			Full Divided Light Grilles	0.27	0.29	0.49
		Low-E SmartSun™	Without Grilles	0.28	0.22	0.50
			Simulated Divided Light Grilles	0.28	0.20	0.45
			Finelight Grilles	0.28	0.20	0.45
Finelight With Exterior Applied Grilles			0.28	0.20	0.45	
Full Divided Light Grilles			0.30	0.20	0.45	
Low-E SmartSun w/HeatLock		Without Grilles	0.24	0.21	0.49	
		Simulated Divided Light Grilles	0.24	0.19	0.44	
		Finelight Grilles	0.24	0.19	0.44	
		Finelight With Exterior Applied Grilles	0.24	0.19	0.44	
		Full Divided Light Grilles	0.27	0.19	0.44	
Low-E Sun		Without Grilles	0.30	0.20	0.31	
		Simulated Divided Light Grilles	0.30	0.18	0.28	
		Finelight Grilles	0.30	0.18	0.28	
		Finelight With Exterior Applied Grilles	0.30	0.18	0.28	
		Full Divided Light Grilles	0.31	0.18	0.28	
Low-E PassiveSun™		Without Grilles	0.30	0.54	0.61	
		Simulated Divided Light Grilles	0.30	0.48	0.55	
		Finelight Grilles	0.30	0.48	0.55	
		Finelight With Exterior Applied Grilles	0.30	0.48	0.55	
		Full Divided Light Grilles	0.31	0.48	0.55	
Clear Dual-Pane		Without Grilles	0.46	0.61	0.64	
		Simulated Divided Light Grilles	0.46	0.55	0.57	
		Finelight Grilles	0.46	0.55	0.57	
		Finelight With Exterior Applied Grilles	0.46	0.55	0.57	
		Full Divided Light Grilles	0.47	0.55	0.57	

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr-ft²-°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass directly transmitted, as well as absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Light Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

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• NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.
 • This data is accurate as of January 2022. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time.
 Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.
 • Values are for single units with given pane thickness and 3/4" (19 mm) grilles for windows and 1" (25 mm) grilles for door products.

Andersen® NFRC Certified Total Unit Performance (continued)
 For current performance information, please visit andersenwindows.com.

Andersen Product	High-Performance Dual-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³	
100 Series Gliding Patio Doors AND-N-100 3.1 mm glass	Low-E	Without Grilles	0.30	0.32	0.55
		Simulated Divided Light Grilles	0.30	0.25	0.42
		Finelight™ Grilles	0.30	0.29	0.48
		Finelight With Exterior Applied Grilles	0.30	0.29	0.48
		Full Divided Light Grilles	0.34	0.25	0.42
	Low-E w/HeatLock™	Without Grilles	0.26	0.32	0.54
		Simulated Divided Light Grilles	0.26	0.25	0.41
		Finelight Grilles	0.26	0.28	0.47
		Finelight With Exterior Applied Grilles	0.26	0.28	0.47
		Full Divided Light Grilles	0.32	0.25	0.41
	Low-E SmartSun™	Without Grilles	0.29	0.21	0.50
		Simulated Divided Light Grilles	0.29	0.17	0.38
		Finelight Grilles	0.29	0.19	0.44
		Finelight With Exterior Applied Grilles	0.29	0.19	0.44
		Full Divided Light Grilles	0.34	0.17	0.38
	Low-E SmartSun™ w/HeatLock	Without Grilles	0.25	0.21	0.49
		Simulated Divided Light Grilles	0.25	0.17	0.37
		Finelight Grilles	0.25	0.19	0.43
		Finelight With Exterior Applied Grilles	0.25	0.19	0.43
		Full Divided Light Grilles	0.31	0.17	0.37
	Low-E Sun	Without Grilles	0.30	0.20	0.31
		Simulated Divided Light Grilles	0.30	0.16	0.23
		Finelight Grilles	0.30	0.16	0.23
		Finelight With Exterior Applied Grilles	0.30	0.16	0.23
Full Divided Light Grilles		0.34	0.16	0.23	
Low-E PassiveSun*	Without Grilles	0.31	0.53	0.61	
	Simulated Divided Light Grilles	0.31	0.41	0.46	
	Finelight Grilles	0.31	0.41	0.46	
	Finelight With Exterior Applied Grilles	0.31	0.41	0.46	
	Full Divided Light Grilles	0.37	0.41	0.46	
Clear Dual-Pane	Without Grilles	0.46	0.60	0.63	
	Simulated Divided Light Grilles	0.46	0.46	0.48	
	Finelight Grilles	0.46	0.53	0.55	
	Finelight With Exterior Applied Grilles	0.46	0.53	0.55	
	Full Divided Light Grilles	0.48	0.46	0.48	
100 Series Patio Door Transoms AND-N-98 3.0 mm glass	Low-E	Without Grilles	0.32	0.25	0.43
		Simulated Divided Light Grilles	0.32	0.20	0.34
		Finelight™ Grilles	0.32	0.23	0.38
		Finelight With Exterior Applied Grilles	0.32	0.23	0.38
		Full Divided Light Grilles	0.34	0.20	0.34
	Low-E w/HeatLock™	Without Grilles	0.29	0.25	0.42
		Simulated Divided Light Grilles	0.29	0.20	0.33
		Finelight Grilles	0.29	0.22	0.37
		Finelight With Exterior Applied Grilles	0.29	0.22	0.37
		Full Divided Light Grilles	0.32	0.20	0.33
	Low-E SmartSun™	Without Grilles	0.31	0.17	0.38
		Simulated Divided Light Grilles	0.31	0.14	0.30
		Finelight Grilles	0.31	0.15	0.34
		Finelight With Exterior Applied Grilles	0.31	0.15	0.34
		Full Divided Light Grilles	0.34	0.14	0.30
	Low-E SmartSun™ w/HeatLock	Without Grilles	0.28	0.17	0.37
		Simulated Divided Light Grilles	0.28	0.14	0.30
		Finelight Grilles	0.28	0.15	0.33
		Finelight With Exterior Applied Grilles	0.28	0.15	0.33
		Full Divided Light Grilles	0.32	0.14	0.30
	Low-E Sun	Without Grilles	0.32	0.16	0.24
		Simulated Divided Light Grilles	0.32	0.13	0.19
		Finelight Grilles	0.32	0.13	0.19
		Finelight With Exterior Applied Grilles	0.32	0.13	0.19
Full Divided Light Grilles		0.34	0.13	0.19	
Low-E PassiveSun*	Without Grilles	0.32	0.41	0.47	
	Simulated Divided Light Grilles	0.32	0.33	0.37	
	Finelight Grilles	0.32	0.33	0.37	
	Finelight With Exterior Applied Grilles	0.32	0.33	0.37	
	Full Divided Light Grilles	0.36	0.33	0.37	
Clear Dual-Pane	Without Grilles	0.45	0.47	0.49	
	Simulated Divided Light Grilles	0.45	0.38	0.38	
	Finelight Grilles	0.45	0.42	0.43	
	Finelight With Exterior Applied Grilles	0.45	0.42	0.43	
	Full Divided Light Grilles	0.45	0.38	0.38	

Andersen Product	High-Performance Dual-Pane Glass Type	U-Factor ¹	SHGC ²	VT ³	
100 Series Patio Door Sidelights AND-N-97 3.0 mm glass	Low-E	Without Grilles	0.31	0.25	0.42
		Simulated Divided Light Grilles	0.31	0.20	0.33
		Finelight™ Grilles	0.31	0.23	0.38
		Finelight With Exterior Applied Grilles	0.31	0.23	0.38
		Full Divided Light Grilles	0.34	0.20	0.33
	Low-E w/HeatLock™	Without Grilles	0.28	0.25	0.41
		Simulated Divided Light Grilles	0.28	0.20	0.33
		Finelight Grilles	0.28	0.22	0.37
		Finelight With Exterior Applied Grilles	0.28	0.22	0.37
		Full Divided Light Grilles	0.32	0.20	0.33
	Low-E SmartSun™	Without Grilles	0.31	0.17	0.38
		Simulated Divided Light Grilles	0.31	0.14	0.30
		Finelight Grilles	0.31	0.15	0.34
		Finelight With Exterior Applied Grilles	0.31	0.15	0.34
		Full Divided Light Grilles	0.34	0.14	0.30
	Low-E SmartSun™ w/HeatLock	Without Grilles	0.28	0.16	0.37
		Simulated Divided Light Grilles	0.28	0.14	0.29
		Finelight Grilles	0.28	0.15	0.33
		Finelight With Exterior Applied Grilles	0.28	0.15	0.33
		Full Divided Light Grilles	0.32	0.14	0.29
	Low-E Sun	Without Grilles	0.32	0.16	0.24
		Simulated Divided Light Grilles	0.32	0.13	0.19
		Finelight Grilles	0.32	0.13	0.19
		Finelight With Exterior Applied Grilles	0.32	0.13	0.19
Full Divided Light Grilles		0.34	0.13	0.19	
Low-E PassiveSun*	Without Grilles	0.32	0.41	0.47	
	Simulated Divided Light Grilles	0.32	0.33	0.37	
	Finelight Grilles	0.32	0.33	0.37	
	Finelight With Exterior Applied Grilles	0.32	0.33	0.37	
	Full Divided Light Grilles	0.36	0.33	0.37	
Clear Dual-Pane	Without Grilles	0.44	0.47	0.49	
	Simulated Divided Light Grilles	0.44	0.37	0.38	
	Finelight Grilles	0.44	0.42	0.43	
	Finelight With Exterior Applied Grilles	0.44	0.42	0.43	
	Full Divided Light Grilles	0.45	0.37	0.38	

1) U-Factor defines the amount of heat loss through the total unit in BTU/hr-ft²-°F. The lower the value, the less heat is lost through the entire product. Window values represent non-tempered glass. Use of tempered glass can increase U-Factor ratings. See andersenwindows.com/nfrc for specific performance values. Door values represent tempered glass. 2) Solar Heat Gain Coefficient (SHGC) defines the fraction of solar radiation admitted through the glass directly transmitted, as well as absorbed and subsequently released inward. The lower the value, the less heat is transmitted through the product. 3) Visible Transmittance (VT) measures how much light comes through a product (glass and frame). The higher the value, from 0 to 1, the more daylight the product lets in over the product's total unit area. Visible Light Transmittance is measured over the 380 to 760 nanometer portion of the solar spectrum.

- NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.
- This data is accurate as of January 2022. Due to ongoing product changes, updated test results, or new industry standards or requirements, this data may change over time. Ratings are for sizes specified by NFRC for testing and certification. Ratings may vary depending on unit size, use of tempered glass, different grille options, glass for high altitudes, etc.
- Values are for single units with given pane thickness and 3/4" (19 mm) grilles for windows and 1" (25 mm) grilles for door products.

Combination Designs,
Product Performance
& Installation

PRODUCT PERFORMANCE

About the NFRC

The National Fenestration Rating Council (NFRC) is a nonpartisan coalition of professionals whose purpose is to provide fair, accurate and credible energy performance ratings for fenestration products. NFRC's membership includes manufacturers, suppliers, designers, specifiers, utility companies, government agencies and other building industry representatives.

Andersen Corporation is a founding member of the NFRC and continues to support its work by providing fair, accurate and credible energy performance ratings to consumers and the building industry. If you have any questions about the NFRC, its program or energy performance ratings, write them at: NFRC, 6305 Ivy Lane, Suite 410, Greenbelt, MD 20770. Phone: 301-589-1776 Website: nfrf.org

About the Label

Look for this certification label on every window and patio door you buy. The NFRC section was designed by the National Fenestration Rating Council to provide accurate information that helps you promote the energy efficiency of the homes you build. These ratings allow you – and your customers – to measure and compare the energy performance of similar products. If the product does not have this label, the NFRC has not verified its claims.

U-Factor indicates how well a product prevents heat from escaping (the lower the number, the better).

Visible Transmittance refers to how much visible light comes through a product (the closer to 1.0, the more light is transmitted).

WDMA Hallmark Certification verifies the performance ratings of this product were tested by an independent testing laboratory and verified by a third-party certification program.

Test Standards

Energy Rating (ER) represents "Energy Rating" and is a rating used in Canada for product comparison purposes (the higher the ER number, the more energy saved during the heating season).

ENERGY STAR® Climate Zone Map is based on U-Factor and solar heat gain coefficient criteria for specific ENERGY STAR climate zones within the United States and Canada. The shading of the map shows which climate zone(s) a particular product and glass type is ENERGY STAR certified in.

Solar Heat Gain Coefficient measures how well a product blocks heat caused by sunlight (the lower the number, the more it will help reduce the use of air conditioning and as a result, reduce electrical bills and energy use).

Performance Grade (PG) and Design Pressure (DP) Ratings

Glass Construction used with this product type.

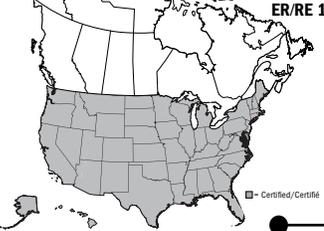
Do not remove until final code inspection. Save label for future reference.

ENERGY STAR® Certified in Highlighted Regions
Certifié ENERGY STAR dans les régions en surbrillance

Canada
energystar.gc.ca



U.S. / É.U.
energystar.gov



ER/RE 18

DO NOT REMOVE UNTIL FINAL INSPECTION/NE PAS RETIRER AVANT L'INSPECTION FINALE



CERTIFIED



100 Series Single Hung Window
AND-N-80-02062-00001
Fibrex Composite Frame, Low-E SmartSun
HeatLock with Argon
Product Type: Single Hung

ENERGY PERFORMANCE RATINGS	
U-Factor	Solar Heat Gain Coefficient
0.25 (U.S./I/P)	0.20
1.42 (Metric/S)	

ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	
0.48	

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.
www.nfrc.org



Hallmark Certified
www.wdma.com

Licensee: 129-H-899
Andersen Corporation
100 Series Single-Hung Window
Manufacturer stipulates Hallmark Certification as indicated below.

STANDARD	RATING
AAMA/WDMA/CSA 101/1.S.2/A440-11	Class LC-PG30 Size Tested 143.5" x 71.5" DP=30-30
AAMA/WDMA/CSA 101/1.S.2/A440-08	Class LC-PG30 Size Tested 143.5" x 71.5" DP=30-30
AAMA/WDMA/CSA 101/1.S.2/A440-08 A440S1-09	Class LC-PG30 - 3645mm x 1816mm Positive/Negative Design Pressure (DP) = 1440 Pa/-1440 Pa Water Penetration Resistance Test Pressure = 220 Pa Canadian Air Infiltration/Exfiltration = A3

FL 15906

Glazing: 2.2mm AN outer/2.2mm AN inner

WARNING

This product can expose you to chemicals including titanium dioxide, which is known in the state of California to cause cancer, and methanol, which is known to the state of California to cause birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov

Meets or exceeds CEC & IECC Air Infiltration Requirements of 0.2 CFM/sq.ft. or lower.
WDMA Hallmark Certification Program. Complies with HUD UM Bulletin No. 111.

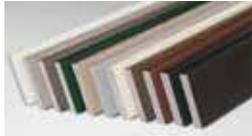
* NFRC ratings are based on modeling by a third-party agency as validated by an independent test lab in compliance with NFRC program and procedural requirements.

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

INSTALLATION ACCESSORIES FOR WINDOWS & DOORS

Optional accessories are available for the installation of Andersen® windows and patio doors. Keep instruction guidelines and safety information in mind when considering the installation and use of any Andersen product. For questions, contact your local Andersen supplier.

FIBREX® TRIM BOARD



Available in white, canvas, prairie grass, Sandtone, Terratone, cocoa bean, dark bronze, red rock, forest green, dove gray and black, this solid cellular Fibrex trim board can be cut or ripped to size, and can be fastened using nails or screws. 3 1/2" (89) x 3/4" (19) thick in 10' (3048) lengths.

COLOR-MATCHED SEALANT

Color-matched sealant is available in Andersen exterior colors. This high-quality sealant can be used during the installation of all Andersen products.

VINYL CHANNELS

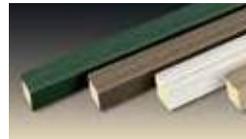


Rigid vinyl "J" and "h" channels are available in white, Sandtone and Terratone. "J" and "h" channels are 1/2" (13) deep and come in 150" (3810) lengths. "J" channels are 3/4" (19) wide and "h" channels are 1" (25) wide. "H" channels are 3/4" (19) deep and come in 84" (2134) and 150" (3810) lengths. White "H" channels are 3/4" (19) wide. Sandtone and Terratone "H" channels are 1" (25) wide.

DRIP CAP

Heavy 24-gauge corrosion-resistant aluminum construction in two profiles to match frames. Available in white, canvas, Sandtone, Terratone, dark bronze, forest green and black in 6' (1829), 10' (3048) and 12'-7 1/2" (3848) lengths.

AUXILIARY CASING



Made of cellular Fibrex material. Available in white, canvas, Sandtone, Terratone, dark bronze, forest green and black. 1 3/16" (30) x 1 3/16" (30) thick in 150" (3810) lengths.

COIL STOCK



Andersen aluminum coil stock can be ordered in white, canvas, prairie grass, Sandtone, Terratone, cocoa bean, dark bronze, red rock, forest green, dove gray and black. Made from .018" thick aluminum, coil stock is available in 24" (610) x 50' (15240) rolls. Color-matched 1 1/4" (32)-long stainless steel trim nails are also available and can be ordered in 1 lb/454 kg boxes.

INSTALLATION ACCESSORIES FOR INSERT WINDOWS

EXTERIOR SILL EXTENDER



A sill extender fits into the exterior accessory kerf in the window frame to hide the gap between the new insert window and the existing window frame at the sill. Precut to fit a 14° sill slope, it can be cut to fit other slopes as needed. Available in all exterior colors. Shown in white.

HEAD EXPANDER



A head expander assists in filling the opening at the top of the window when doing an interior installation. Available in white.

EXTERIOR FRAME EXTENDERS



Frame extenders fit into the exterior accessory kerf in the frame to hide the gap around the sides and/or head between the new insert window and the existing window frame. Extenders can be cut to length as needed. Available in all exterior colors. Shown in dark bronze.

Exterior frame and sill extenders are available in long lengths or can be ordered cut to approximate lengths for convenience at the job site.



Insert window shown with exterior frame extenders and sill extender in dark bronze.

COIL STOCK



Coil stock fits into the exterior accessory kerf in the window frame, then wraps the existing wood window trim. It can be cut and formed to profiles at the job site. Andersen aluminum coil stock can be ordered white, canvas, prairie grass, Sandtone, Terratone, cocoa bean, dark bronze, red rock, forest green, dove gray and black. Made from .018" thick aluminum, coil stock is available in 24" (610) x 50' (15240) rolls. Color-matched 1 1/4" (32) stainless steel trim nails are also available and can be ordered in 1 lb/454 kg boxes.

COLOR-MATCHED SEALANT

Color-matched sealant is available in Andersen exterior colors and is specially formulated to adhere to Andersen products.

FOAM BACKER ROD

Available for installations, 3/8" (10) backer rod helps provide an air seal around the frame. Available in 100' (30480) rolls.

SHIMS

Flat self-hanging shims help with a secure installation. Available in boxes of 248 shims.

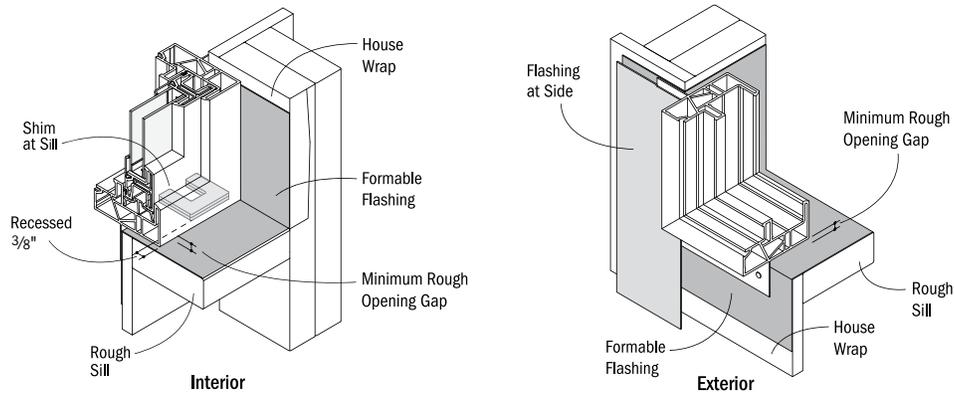


INSTALLATION INFORMATION

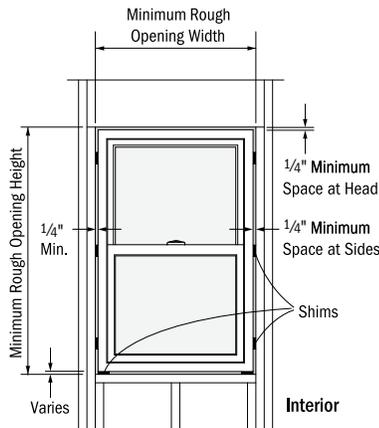
ROUGH OPENINGS

The purpose of a rough opening is to allow for proper spacing between the window or patio door unit and the building structure. The space is required for locating, leveling and squaring the unit during installation and to provide an area for insulation. A rough opening that is incorrectly sized may affect unit operation and may not allow for adequate fastening of the unit to the building structure. Andersen rough opening dimensions are provided as a guideline to help determine the minimum amount of space needed between the window or patio door and the building structure. See appropriate product sections for rough opening guidelines for each product.

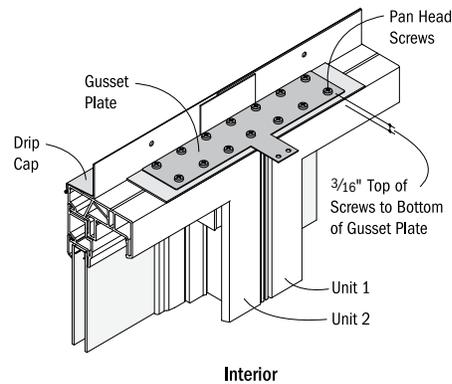
Keep in mind that rough opening dimensions may need to be altered from published guidelines, depending on installation methods, joining methods, replacement methods, etc. For example, flashing systems can reduce the amount of available rough opening space and should be factored in when calculating rough opening dimensions. The use of support or joining materials will encroach on the rough opening and may require additional rough opening space between the unit and the building structure, depending on the thickness of the flashing system and joining materials used. To facilitate drainage, the rough opening sill plate should never slope toward the interior. For challenging environments and other information, refer to EEBA's (Energy and Environmental Building Association) Water Management Guide (eeba.org).



Example of window sill flashing in a membrane drainage system.



Example of window unit installed using Andersen published minimum rough opening dimensions.



Example of two units joined together with the use of gusset plates and pan head screws that will require additional rough opening space.

IMPORTANCE OF PROPER INSTALLATION

Proper installation and maintenance of Andersen products is essential to attain optimum performance and operation. Installation instructions that provide guidelines for proper installation are typically provided with Andersen products. They are also available by visiting andersenwindows.com. Remember that every installation is different, and Andersen strongly recommends consultation with the local supplier or an experienced contractor, architect or structural engineer prior to the installation of any Andersen product. The method of attachment for Andersen products, fastener selection and code compliance is the responsibility of the architect, building owner, contractor, installer and/or consumer. For more complete installation details, visit andersenwindows.com or see your Andersen supplier.

GENERAL NOTES

When ordering, make certain you specify, then verify, the exact product, unit dimensions, configuration requirements, color and options you desire on each window or patio door. Before installing the product, we suggest you verify that it includes the features and options you ordered. Visit andersenwindows.com for product installation and joining guides. Printing limitations prohibit exact color replication of products. View actual samples for building specifications. Andersen Corporation reserves the right to change details, specifications or sizes without notice. The customer assumes all risk of alterations made to Andersen products.

CODES

Appropriate selection of Andersen® products that conform to all applicable laws, ordinances, building codes and safety requirements is the sole responsibility of the architect, designer, building owner and/or contractor. Check with your local building code officials for specific information. Unit wind load, performance grade and energy performance information is provided on pages 99-108. For up-to-date product performance information, visit andersenwindows.com. The performance of any building system depends on the design and construction of the building system in its entirety, which should meet building code requirements, as well as address product and material limitations, and local environment and climate.

DRIP CAPS

Drip caps are a specific type of flashing or trim used at the head of a window or door to direct water from the drainage plane out beyond the face of the unit.

FLASHING

Flashing is an important element in a building's water management system. It is used to shed and direct water to the building exterior or to the drainage plane. Flashing materials are typically applied starting from the bottom and working upward, with each successive layer overlapping the previous one in shingle fashion. Water infiltration problems in any type of building can be reduced by properly flashing and/or sealing around all building openings, including windows and doors.

USE OF SHIMS

Shims are used along the side jambs of windows and doors to center the unit in the rough opening and to position it plumb, level and square. In addition, shims are always required for windows under the sill at the side jambs to lift it off the rough opening sill plate. Shims also enable a straight frame for proper weatherstrip contact and unit operation. If not placed properly, unit performance and operation can be affected. Use waterproof shims capable of supporting the weight of the product. When using tapered shims, use them in pairs with the tapers opposing each other to avoid tilting the unit or twisting (rotating) of the jambs.

SEALANTS

Sealants are elastic materials used to block the passage of water and/or air while allowing movement between the two sides of the joint. A sealant should bond tightly, and be able to expand and contract to accommodate joint movement without cracking or tearing away from the substrate. Surfaces must be clean, dry and sound for adequate sealant adhesion. Choose a sealant that is compatible with, and that will adhere adequately to, all building materials used in the window and patio door area. Proper sealant joint design is based upon the expected movement of adjacent materials and the movement capability of the sealant. A general rule of thumb is that the depth of the sealant joint should be equal to half the width ($D = W/2$), but generally not less than 1/4" (6) or more than 1/2" (13). Foam-plastic backer rod can be used to limit the depth of the sealant joint, to provide a backstop for tooling the sealant without damage to the bond. It also acts as a bond breaker to help minimize stress in the sealant. Sealants should be maintained seasonally, and repaired and/or replaced as needed.

Dimensions in parentheses are in millimeters.

GENERAL INSTALLATION GUIDELINES

1. Read and follow the installation guide in its entirety.
2. Decide whether you are integrating to a surface barrier or a membrane drainage system before installing the product. The appropriate method for your installation may vary based on building design, application and industry practices.
3. Make certain the drainage plane is continuous (proper overlaps to shed water, taped seams, etc.).
4. Andersen products should be installed only in the vertical position.
5. Check the rough opening to make sure it is sized properly, is square and is level.
6. Install the window or door plumb.
7. Install the window or door level.
8. Install the window or door square. Diagonal measurements should be within 1/8" (3).
9. Follow installation instructions to properly locate shims and to make sure that units are plumb, level and square. Shims are always required under the window jambs at the sill and along the jambs on the sides for windows and doors.
10. Check for squareness of unit before final anchoring of the product into the wall.
11. Anchor unit as directed with appropriate fasteners.
12. Integrate the window and door into the drainage plane of the wall using quality flashing and sealing materials. All flashing materials should be properly overlapped to shed water.
13. Allow 1/4" (6) minimum space for a sealant joint around perimeter of unit between exterior finish materials and unit.
14. Insulate and seal the interior cavity between the window or door frame and the rough opening.
15. Check operation before application of interior trim.

EXTERIOR PAINTING/SEALING OF ANDERSEN® PRODUCTS

The exterior of some Andersen products may be painted or stained. However, improper painting and staining may cause damage to vinyl, aluminum and other exterior materials.

CAUTIONS

1. Do not apply any type of film to insulating glass. Thermal stress and glass damage can result. Andersen Corporation is not responsible for product performance when films are applied to Andersen products.
2. The use of removable insulating materials such as insulated window coverings, shutters and other shading devices may also cause thermal stress conditions and/or deformation of protective vinyl. In addition, excessive condensation may result, which can have a deteriorating effect on the window or door unit(s) involved. Andersen Corporation is not responsible for product performance when these kinds of materials or devices are applied to or used in conjunction with Andersen products.
3. In wall construction utilizing brick facades, leave adequate clearance between sill, jambs and brick for sealing and dimensional change of framework.

4. Acid solutions commonly used to wash brick and other masonry materials will damage glass, fasteners, hardware and metal flashing. Protect unit and follow cleaning product instructions carefully. Damage caused by acid solution is not covered under the Andersen limited warranty.
5. Andersen windows may be combined in almost unlimited ribbons or stacks if each unit is positively secured to structural elements on opposing sides and if the proper joining system is used. See page 99 for more information.

SAFETY GLASS

Unless specifically ordered, Andersen windows are not made with safety glass and, if broken, the glass could fragment, causing injury. Andersen windows may be ordered with tempered glass which may reduce the likelihood of injury when broken. All Andersen patio doors are made with tempered glass. Differences in appearance between tempered and non-tempered glass can be expected. Slight visual distortions may be noticeable and occur normally as a result of the tempering process. Building codes require safety glass in locations adjacent to or near doors and other locations.

WINDOW AND PATIO DOOR SAFETY

Windows may provide a secondary avenue of escape or rescue in an emergency, such as a fire. Every family should develop an escape plan and make sure family members know how to escape from the home in an emergency. In your plan, include two ways to escape from every room in case one way is blocked by fire or smoke, and make sure you have a designated meeting place outside. A window or a patio door is an alternate means of escape or rescue. Practice your plan until each member of the family understands it and is able to escape without assistance. Remember, you may not be able to reach children during a fire emergency. Teach children – even very young children – that they must escape from a fire in the home and never hide from the fire or from emergency personnel.

LOOKOUT FOR KIDS® PROGRAM

The Consumer Product Safety Commission has said: "Keep children away from open windows to prevent falls. Don't depend on insect screens to keep the child from falling out of the window. They are designed to keep insects out, not children in. Avoid placing furniture near windows to keep children from climbing to a window seat or sill." In an effort to educate consumers about the potential for child falls from windows, Andersen Corporation created the LookOut For Kids Program. It combines a window and door safety brochure and specific product instructions to help make window and door safety an important priority for consumers. For more information on child safety, write:

Andersen Corporation
LookOut For Kids Program
 100 Fourth Avenue North
 Bayport, MN 55003
 Call 800-313-8889 or email
lofk@andersencorp.com

**LOOK
 OUT!**
 for kids®

Andersen® windows and patio doors can make significant contributions to the success of sustainable design strategies

As a charter member of the U.S. Green Building Council, we're active supporters of certified green buildings. Our products can help customers in pursuing green building programs, such as Leadership in Energy and Environmental Design (LEED®), the National Green Building Standard, Green Globes, GreenStar and more. Below is an overview of how our products may assist project teams with pursuing LEED v4 or the NAHB National Green Building Standard rating systems. More detailed credit summaries, as well as information about how Andersen products can support earlier versions of LEED certification (e.g., LEED v3 or LEED 2008), are available at andersenwindows.com.

LEED V4 FOR BUILDING DESIGN AND CONSTRUCTION: NEW CONSTRUCTION AND MAJOR RENOVATIONS

Integrative Process Credit:

Energy & Atmosphere

- Minimum energy performance prerequisite
- Optimize energy performance credit
- Renewable energy production credit
- Green power and carbon offsets credit

Materials & Resources

- Construction and demolition waste management planning credit
- Building product disclosure and optimization sourcing of raw materials credit
- Construction and demolition waste management credit

Indoor Environmental Quality

- Minimum indoor air quality performance prerequisite
- Minimum acoustic performance prerequisite – schools
- Enhanced indoor air quality strategies credit
- Low-emitting materials credit
- Thermal comfort credit
- Daylight credit
- Quality views credit
- Acoustic performance credit (option 2)

LEED V4 FOR BUILDING DESIGN AND CONSTRUCTION: HOMES AND MULTI-FAMILY MIDRISES

Energy & Atmosphere

- Minimum energy performance prerequisite
- Education of the homeowner, tenant or building prerequisite
- Annual energy use credit
- Building orientation for passive solar credit
- Air infiltration credit
- Windows credit

Materials & Resources

- Durability management prerequisite
- Environmentally preferable products credit
- Construction waste management credit

Indoor Environmental Quality

- Ventilation prerequisite
- Low-emitting products credit

ANSI ICC/ASHRAE 700-2015 NATIONAL GREEN BUILDING STANDARD

NGBS section numbers are referenced in parentheses.

Resource Efficiency

- Prefinished materials (601.7)
- Flashing (602.12)
- Exterior doors, including storm doors (602.1.10)
- Recycled construction materials (605.3)
- Bio-based products (606.1)
- Wood-based products (606.2)
- Manufacturer's environmental management system concepts (611.1)

Energy Efficiency

- Mandatory requirements (701.1)
- Building thermal envelope air sealing (701.4.3.1)
- Multi-family air leakage alternative (701.4.3.3)
- Fenestration air leakage (701.4.3.4)
- ICC IECC analysis (702.2.1)
- Energy performance analysis (702.2.2)
- UA improvement (703.2.1)
- Fenestration (703.2.5)
- Sun-tempered design (703.7.1)
- Passive cooling design (703.7.3)
- Passive solar heating design (703.7.4)

Indoor Environmental Quality

- Wood materials (901.4)
- Interior architectural coatings (901.9)
- Interior adhesives & sealants (901.9)
- Operable windows & sliding glass doors (902.1.5)

Energy Efficient

- Homeowner's manual (1001.1)
- Building construction manual (1002.1)



THE ENVIRONMENT HAS A BUSINESS PARTNER

Respect for the environment is nothing new at Andersen. For more than a century, it has been part of who we are. Our commitment to recycle and reclaim materials began simply because it was good business. Now it's part of our broader commitment to sustainability and responsible stewardship of all of our resources. Andersen is committed to providing you with long-lasting, energy-efficient windows and patio doors. Visit andersenwindows.com/sustainability for more information.



Andersen® products are certified under the National Fenestration Rating Council (NFRC) voluntary third-party certification program designed to ensure accurate energy performance ratings and labeling.



The Window & Door Manufacturers Association (WDMA) Hallmark Certification program includes product testing and quality-control process audits to verify that Andersen windows and doors are produced in conformance with the industry standards for air, water resistance and structural performance.



Andersen Corporation is proud to be an ENERGY STAR® partner. For over 115 years, Andersen has built a reputation for environmental stewardship and energy-efficient products. In fact, Andersen has been part of the ENERGY STAR program since it started and was the first window manufacturer to be named an ENERGY STAR National Window Partner of the Year in 1999.



Andersen was the first window manufacturer to certify our products for indoor air quality, beginning in 2008. Our Indoor Advantage™ Gold certification by SCS Global Services (SCS) meets the rigorous high standards for healthier indoor air quality set by California Specification 01350.



Under U.S. Green Building Council (USGBC) guidelines, Andersen is able to claim a percentage of material in its Fibrex® product as pre-consumer recycled content. SCS Global Services (SCS) has certified this amount for Andersen.

91	100 Series Patio Door Overview	93	100 Series Gliding Patio Doors
88	100 Series Window Custom Sizes	95	100 Series Patio Door Sidelights & Transoms
84	100 Series Window Joining Details	97	100 Series Patio Door Joining Details
66	100 Series Picture, Transom & Specialty Windows	98	100 Series Patio Door Custom Sizes
52	100 Series Gliding Windows	99	Combination Designs, Product Performance & Installation
30	100 Series Single-Hung Windows		
18	100 Series Casement & Awning Windows		
15	100 Series Window Overview		



Welcome to an overview of the enhanced navigation tools available in this PDF. Here are some simple tips on PDF navigation. Before you begin be sure you are using the latest version of Adobe Acrobat Reader DC, available at – <https://get.adobe.com/reader/>

To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn60N3Y>

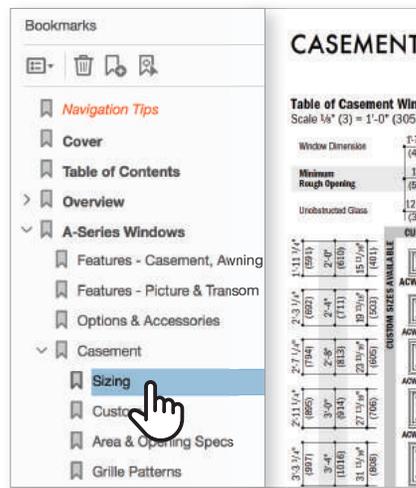
BOOKMARK NAVIGATION

①

Acrobat will display the bookmarks panel when you open the PDF.

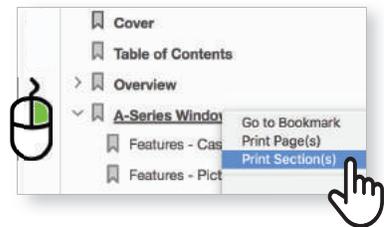
Bookmarks are the easiest way to find specific product information.

Select a topic and that page will be displayed.



②

If you need to print a specific section, **right click on that section** within in the bookmarks panel and choose **“Print Section”**.



LINKS AND URL NAVIGATION

①

You can also use the **embedded links** to navigate between sections. All links are underlined in blue.



②

Website links automatically open in your web browser.



PDF NAVIGATION TIPS Cont.

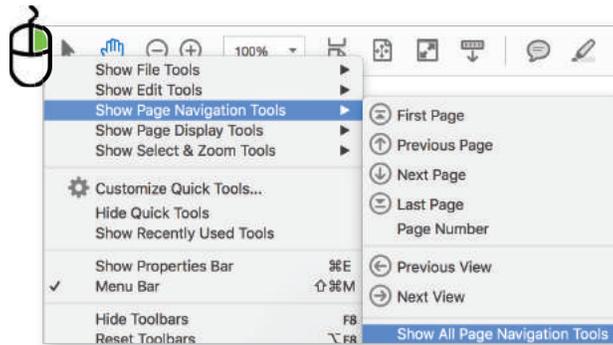
Add additional navigation tools by adjusting the default settings in Acrobat.

← → TOOL BAR NAVIGATION

1

To add a **“Jump Back” Button** to your tool bar, **right click on tool bar**, select **Show Page Navigation Tools** and choose **Show All Page Navigation Tools**.

Right and left facing arrows are added to the tool bar allowing you to go back or forward to the last page you viewed.

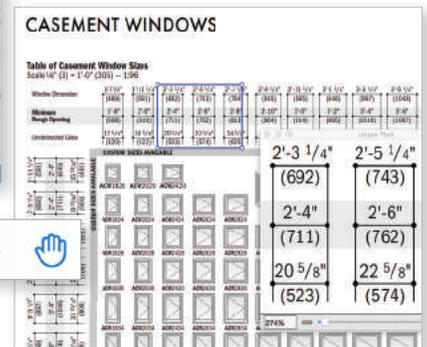
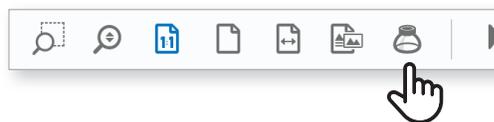
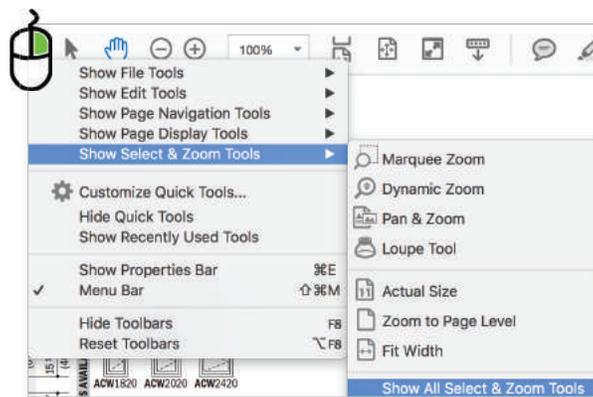


2

Another helpful tool is the **Loupe Tool**.

It allows you to zoom in on the page without having to increase the page size.

To add a **Loupe Tool** to your tool bar, **right click on tool bar**, select **Show Select & Zoom Tools** and then choose **Show All Select & Zoom Tools**.

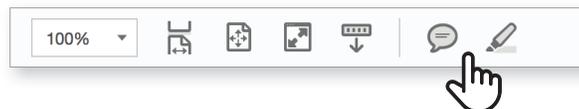


3

You can also use the **commenting tools**.

Add a post-it note with your comments or highlight important information.

Be sure to save the file.



To watch a 3-minute tutorial on navigating catalog PDFs, go to: <https://youtu.be/sWWnYn60N3Y>

We are always looking for ways to improve.

Please send feedback to webmarketing@andersencorp.com.