



Series 1150

2" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

The 1150 Series window is a versatile platform used with great success in schools, hospitals, offices, and residences for both public and private projects. This window can perform blast, ballistic, impact, and hurricane requirements and can be configured as fixed or in-swing, out-swing projected, and casement. The 1150 Series accommodates challenging openings and configurations.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Wind Protection

Features & Custom Options

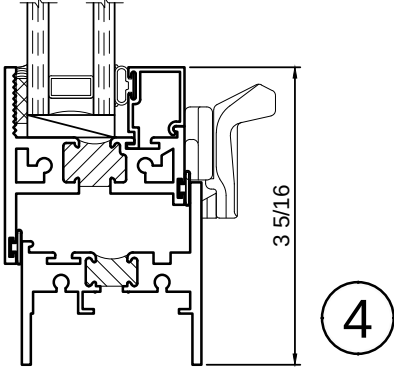
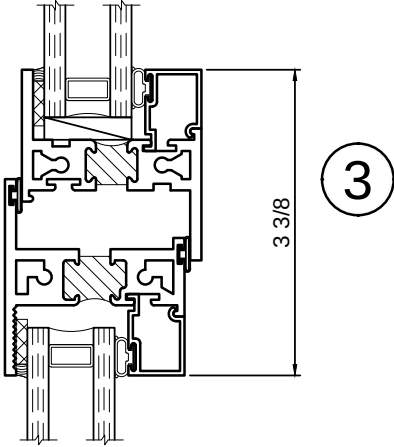
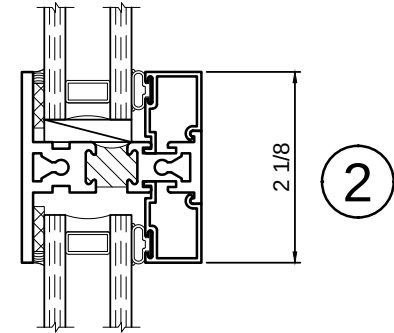
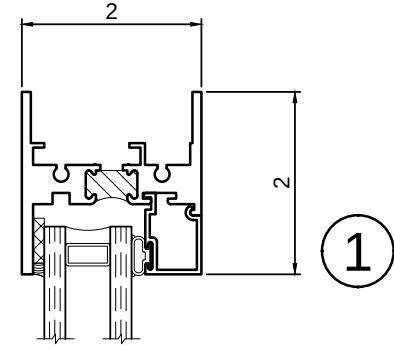
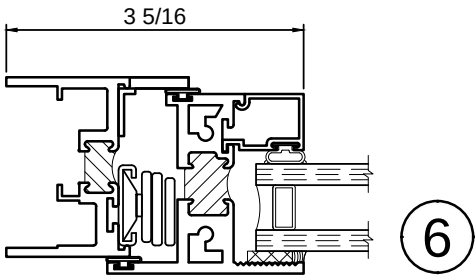
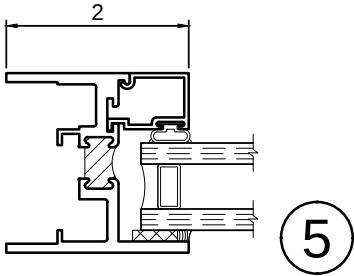
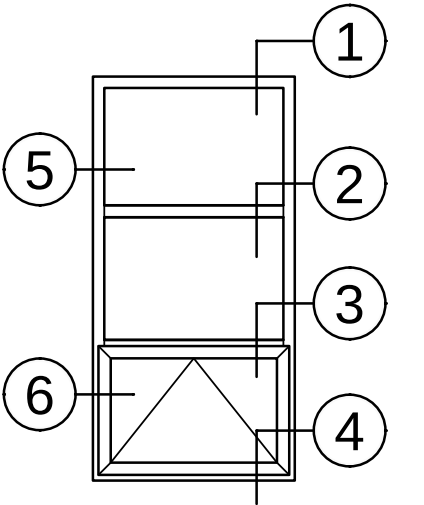
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Vertical and horizontal stacking members
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Various glazing thicknesses available
- Optional aluminum extruded screens
- Dual and triple glazing with optional integral blinds providing dynamic light control
- Wide variety of locking and operating hardware available
- Ability to make inside and outside glazed panels within the same mainframe
- Accessory line of receptors, mullions, panning and trim for a customized look
- Blast, ballistic and impact glazing available

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	65*	0.27*	Contact your local Rep
Projected AW Grade AP-AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	59*	0.39*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 1150 Detail Drawings



Winco Window Company
6200 Maple Avenue
St Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER: 110625



Series 1150S

2" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

The 1150S Series has an integral beveled glazing stop allowing profiled and flat applied muntin grids to nest inside of the vertical plane of the window. Available in fixed, projected, and casement with an optional blast, ballistic, and impact glazing. The 1150S Series is complemented by a full line of trim and accessories.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Historic Replication

Wind Protection

Features & Custom Options

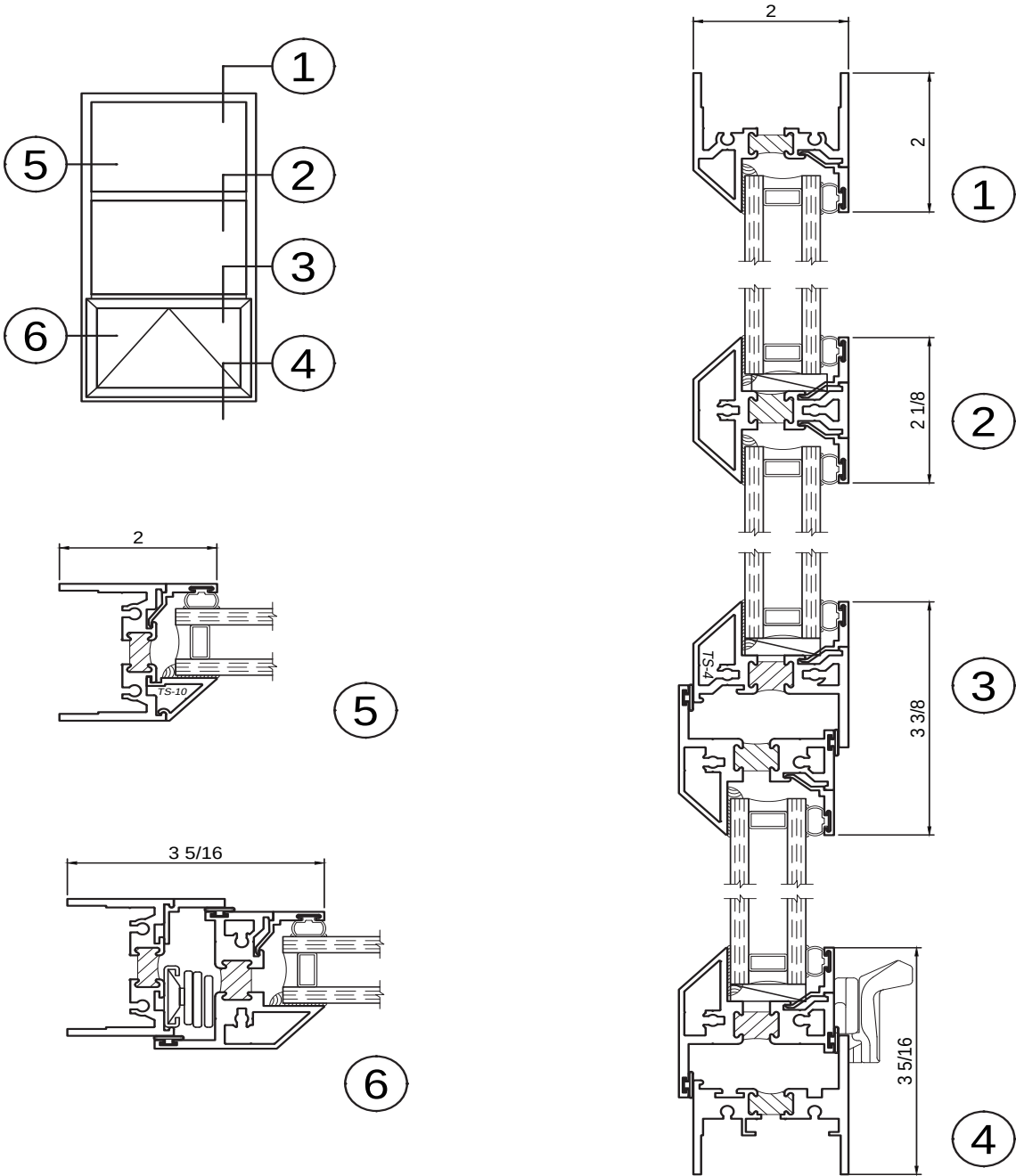
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Various glazing thicknesses available
- Vertical and horizontal stacking members
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Integral extruded beveled glazing leg
- Optional aluminum extruded screens
- Ability to make inside and outside glazed panels within the same mainframe
- Wide variety of locking and operating hardware available
- Dual glazing with optional integral blinds providing dynamic light control
- Accessory line of receptors, mullions, panning and trim for a customized look
- Blast, ballistic and impact glazing available

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	65	0.27*	Contact your local Rep
Projected AW Grade AP-AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	59*	0.39*	

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Series 1150S Detail Drawings



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VER: 110625



Series 1450

4" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

The 1450 Series window has a 4" depth and 1/8" wall thickness making large openings and wide expanses of glass possible and budget sensitive. This window can perform blast, ballistic, impact, and hurricane requirements and can be configured as fixed or in-swing, out-swing projected, and casement.

The 1450 has a full line of trim and accessories for large openings and deep wall cavities. Optional custom extrusions to meet the historic sight line requirement of the original windows.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Wind Protection

Features & Custom Options

- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Vertical and horizontal stacking members
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Dual and triple glazing with optional integral blinds providing dynamic light control
- Various glazing thicknesses available
- Wide variety of locking and operating hardware available
- Accessory line of receptors, mullions, panning and trim for a customized look
- Ability to make inside and outside glazed panels within the same mainframe
- Blast, ballistic and impact glazing available
- Optional aluminum extruded screens

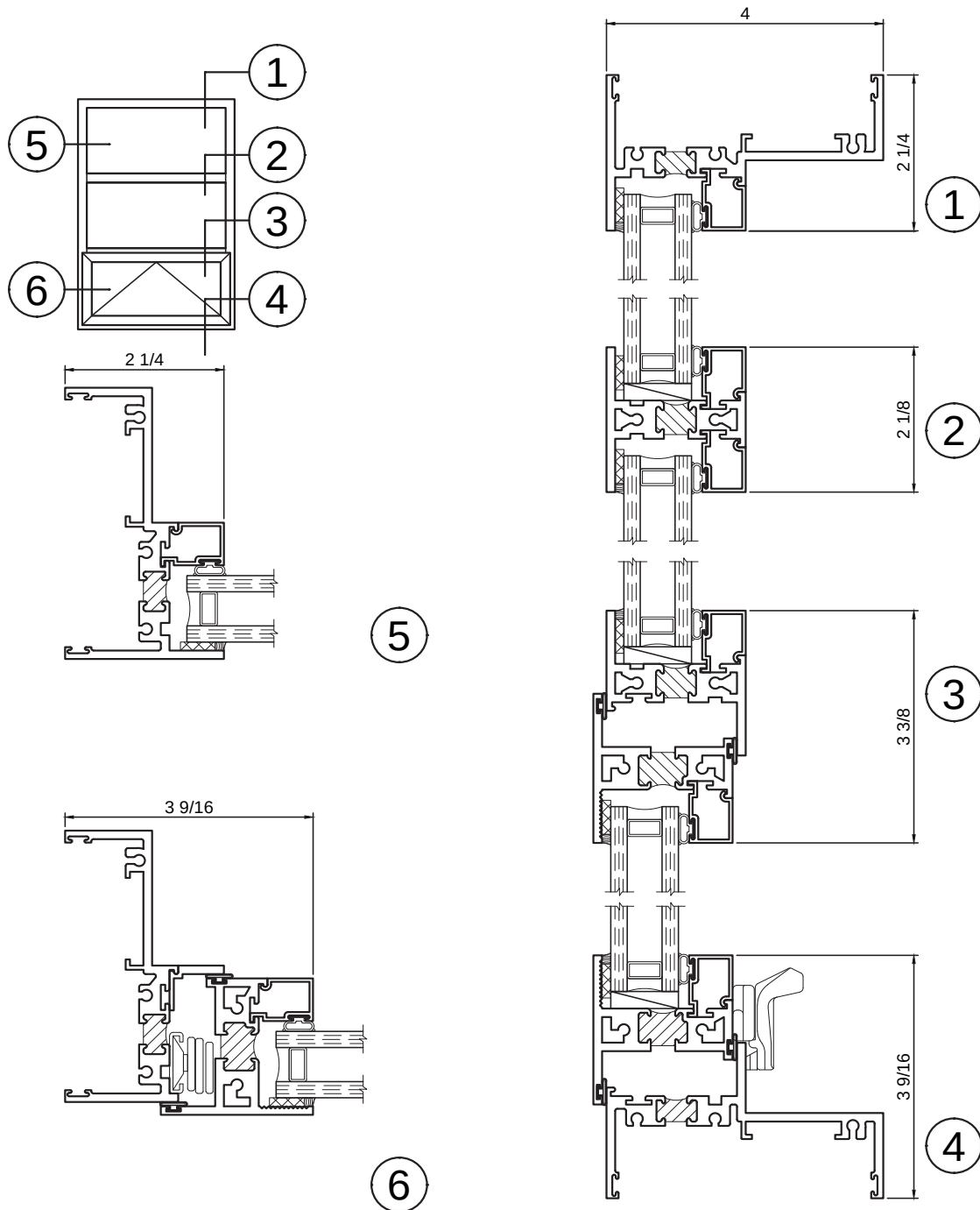
Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	65*	0.29*	Contact your local Rep
Projected AW Grade AP-AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	60*	0.43*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.



Series 1450 Detail Drawings



Winco Window Company
6200 Maple Avenue
St Louis, MO 63130

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VER:110625



Series 1450 Hung Replica

4" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

The look of a double-hung window with the energy performance and configuration of a fixed, projected, or casement window is what you get with the 1450 Hung Replica Window. Its deep 4" frame with 1/8" wall thickness easily and efficiently fills large openings and spans deep wall cavities.

Glazing options include blast and impact resistant, as well as built-in shades. The 1450 Hung Replica Window offers a full line of trim and accessories to meet all historic sightline requirements of original windows.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Historic Replication

Wind Protection

Features & Custom Options

- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Various glazing thicknesses available
- Dual and triple glazing with optional integral blinds providing dynamic light control
- Wide variety of locking and operating hardware available
- Accessory line of receptors, mullions, panning and trim for a customized look
- Optional aluminum extruded screens
- Blast, ballistic and impact glazing available
- Optional aluminum extruded screens

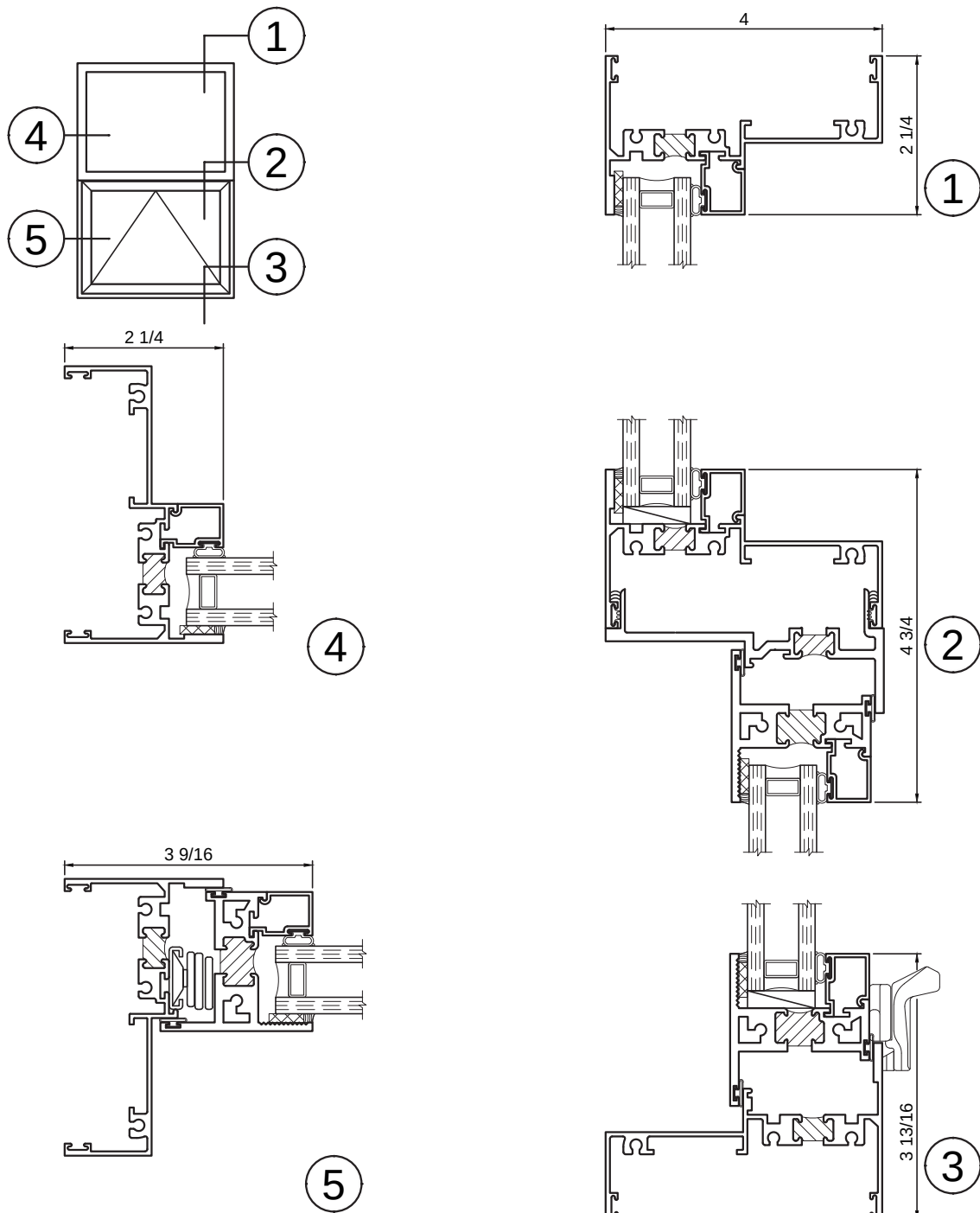
Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	65*	0.29*	Contact your local Rep
Projected AW Grade AP-AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	60*	0.43*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.



Series 1450 Hung Replica Detail Drawings



Winco Window Company
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VER:110625



Series 1450S

4" Architectural Grade Window System
Fixed - Projected - Casement



Product Overview

With an integral beveled glazing stop, the 1450S is the right choice for your fixed, projected and casement window needs that require applied muntin grids.

No longer do you have to settle for the leaky drop-in beveled grid of the past. The extruded beveled glazing leg provides the clean appearance and weathertight construction your project deserves.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Historic Replication

Features & Custom Options

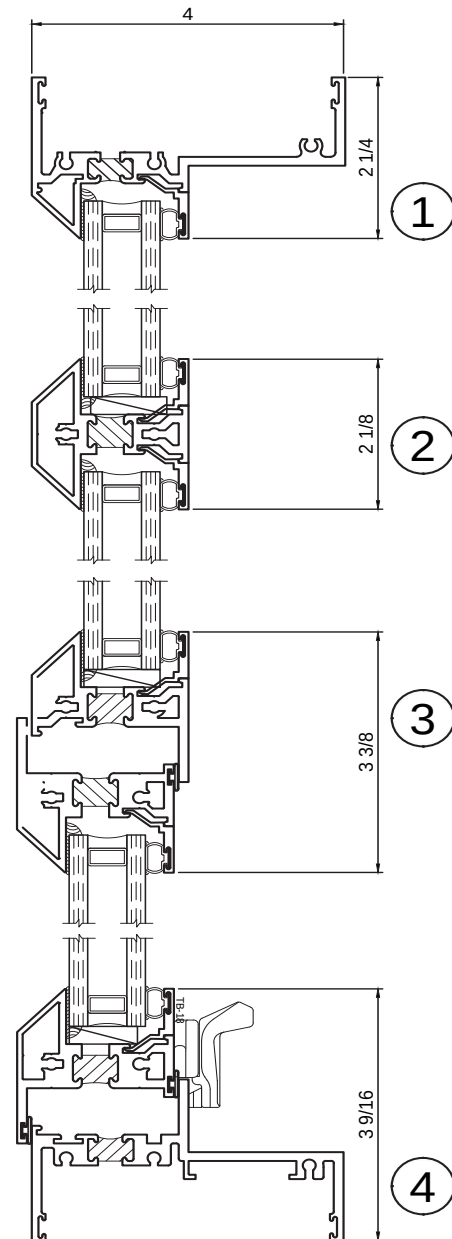
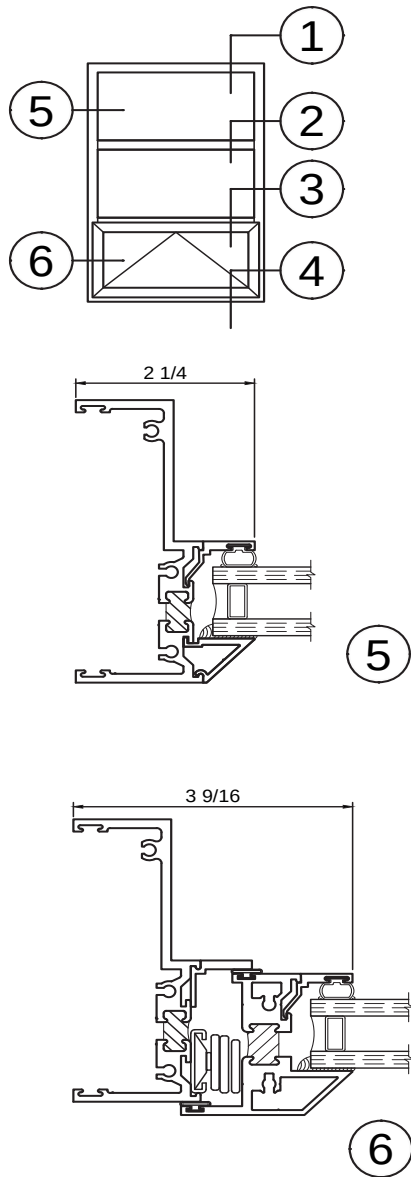
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Vertical and horizontal stacking members
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Various glazing thicknesses available
- Integral extruded beveled glazing leg
- Dual glazing with optional integral blinds providing dynamic light control
- Wide variety of locking and operating hardware available
- Ability to make inside and outside glazed panels within the same mainframe
- Accessory line of receptors, mullions, panning and trim for a customized look
- Blast, ballistic and impact glazing available
- Optional aluminum extruded screens

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	0.29*	Contact your local Rep
Projected AW Grade AP-AW120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	0.43*	

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Series 1450S Detail Drawings



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Series 1450S Hung Replica

4" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

The 1450S Simulated Hung Replica has the aesthetic of a hung window with the configuration of a fixed, projected, or casement window. The 4" frame depth and 1/8" wall thickness provides exceptional strength for a snug, durable fit into oversized sliding window openings.

Extruded beveled glazing leg provides clean sightlines with weathertight construction. Also available with applied muntin grids and panning for a customized look.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Historic Replication

Features & Custom Options

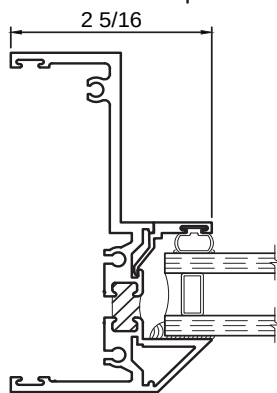
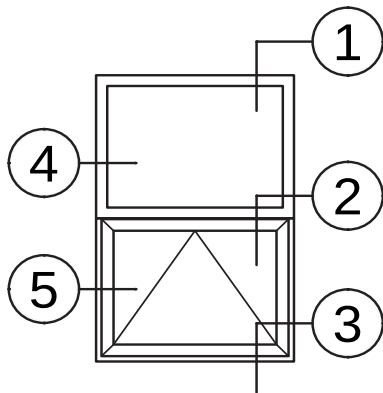
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Various glazing thicknesses available
- Dual glazing with optional integral blinds providing dynamic light control
- Integral extruded beveled glazing leg
- Wide variety of locking and operating hardware available
- Accessory line of receptors, mullions, panning and trim for a customized look
- Optional aluminum extruded screens

Performance Data*

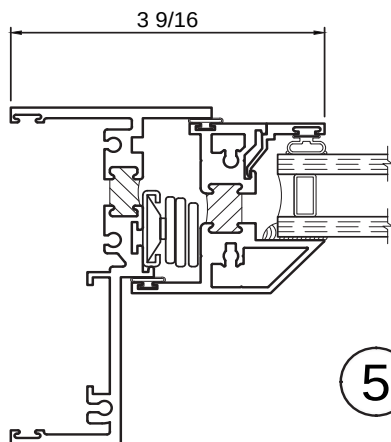
Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	65*	0.29*	Contact your local Rep
Projected AW Grade AP-AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	60*	0.43*	

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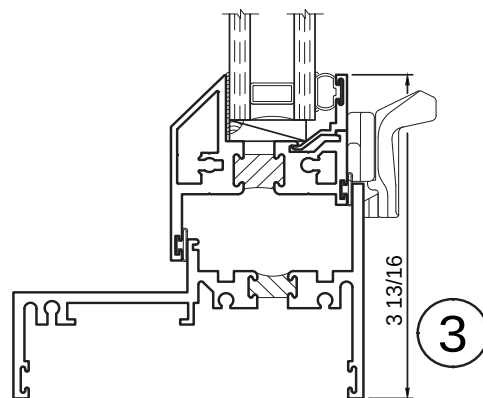
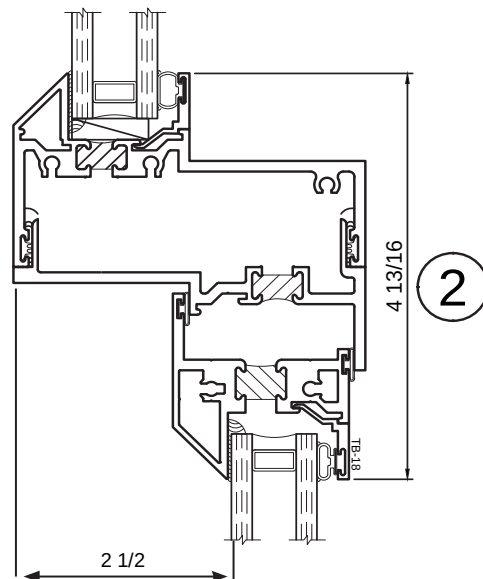
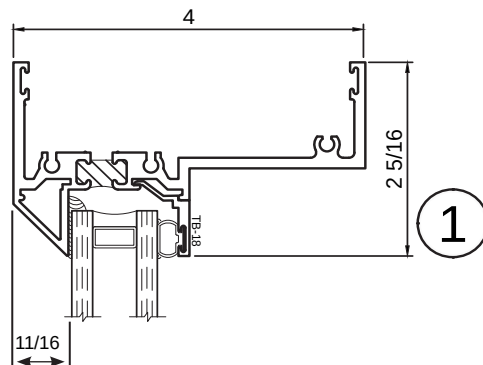
Series 1450S Hung Replica Detail Drawings



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Winco Window Company
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St Louis, MO 63130

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VER:110625



Series 3250 Steel Replica

3-1/4" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

Winco's 3250 Steel Replica window series was designed to satisfy historic requirements while also meeting modern building codes demands. With the thinnest profiles on the market for an architectural grade, thermal window system the 3250 is still robust and versatile successful in large openings and achieving low U-Values.

In addition, the 3250 meets coastal hurricane zone requirements while preserving the architectural integrity of significant historic buildings.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Historic Replication

Wind Protection

Features & Custom Options

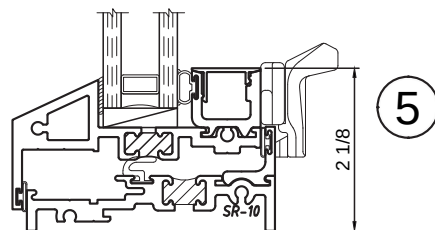
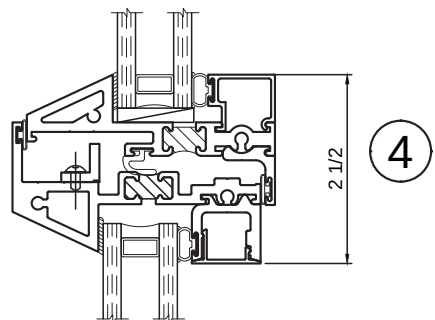
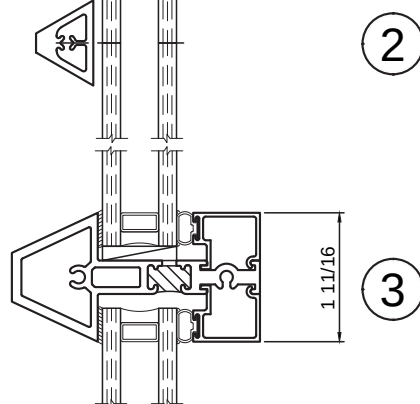
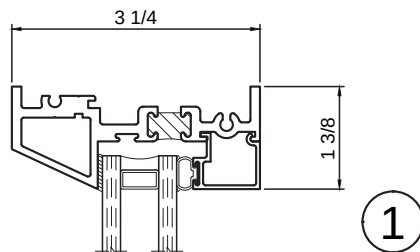
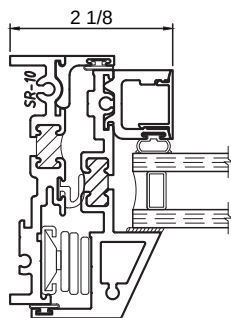
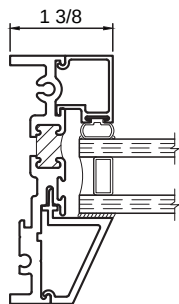
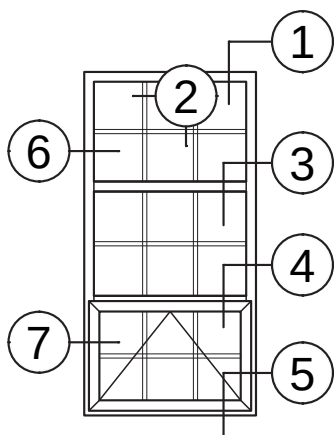
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Integral extruded beveled glazing leg
- Vertical and horizontal stacking members
- Vent can be suspended in the middle of a fixed window
- Optional aluminum extruded screens
- Accessory line of receptors, mullions, panning and trim for a customized look
- Blast, ballistic and impact glazing available

Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	63*	0.27*	Contact your local Rep
Projected AW Grade AP-AW80	Less than 0.10	12 (Higher levels may be available upon request)	+/- 120	59*	0.36*	

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Series 3250 Steel Replica Detail Drawings



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VER: 110625



Series 3325CW Zero Sightline Curtain Wall

3-1/4" Architectural Grade Window System
Projected - Casement



Product Overview

The 3325CW Zero Sightline Window Vent is engineered to elevate your curtain wall system with its near-invisible profile. This operable window vent system blends seamlessly into the building's facade, preserving the clean, uninterrupted window sightlines while improving occupant comfort through natural airflow.

Available prefabricated and pre-glazed, the 3325CW series is available as a project-out or outswing casement window, either with or without roto operator. It also includes a convenient 1" glazing pocket insert for installation into the curtain wall framing.

Whether you're constructing a new state-of-the-art facility or retrofitting an existing structure, the 3325CW Zero Sightline Window Vent is the ideal solution for maximizing the building aesthetics and occupant satisfaction.

Green Commitment

Energy Savings

Noise Control

Historic Replication

Features & Custom Options

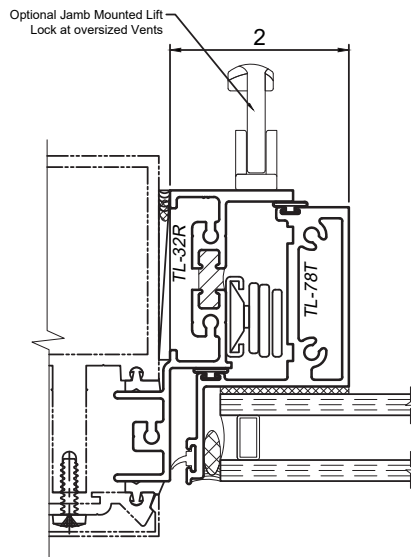
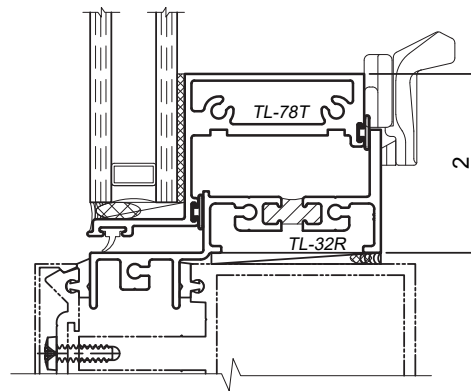
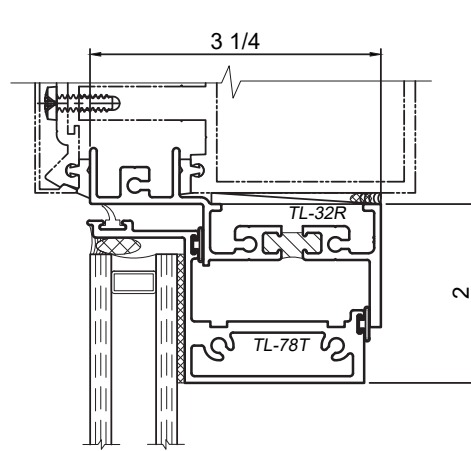
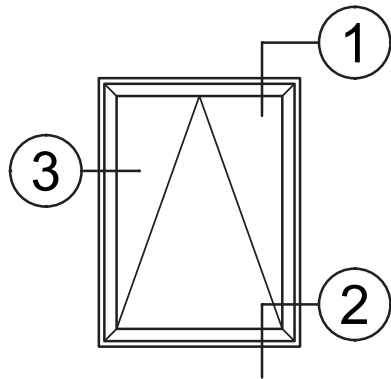
- Azon "Azo-Brader" thermally broken frame backed by a 10 year warranty against thermal break shrinkage
- 1" glazing pocket insert for installation into the curtain wall
- A fully mitered overlap sash configuration has 1/8" wall thickness with fully sealed corners and dual weather-stripping
- Factory glazed with 1" glass and 3M VHB structural glazing tape
- 2" frame depth with a 1-1/4" proud vent for zero sightline glazing and 1/8" main frame wall thickness
- Wide variety of locking and operating hardware available
- Optional blast glazed
- Optional aluminum extruded screens

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Projected AW Grade AP-AW80	Less than 0.10	12 (Higher levels may be available upon request)	+/- 120	63*	0.36*	Contact your local Rep
Casement AW Grade C-AW80	Less than 0.10	12 (Higher levels may be available upon request)	+/- 120	63*	0.36*	

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Series 3325CW Zero Sightline Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:92126



Series 3325SF Zero Sightline Storefront

3-1/4" Architectural Grade Window System
Projected - Casement



Product Overview

Transform your storefront window system with the 3325SF Zero Sightline Window Vent, designed to enhance both aesthetics and functionality. This innovative operable window vent system features a nearly invisible profile that seamlessly integrates into your building's facade, ensuring uninterrupted sightlines while promoting natural airflow for enhanced occupant comfort.

Available as a project-out or outswing casement window, with options for a roto operator, the 3325SF series comes prefabricated and pre-glazed, complete with a convenient 1" glazing pocket insert for easy installation. Perfect for new constructions or retrofitting projects, this window vent is the ultimate choice for maximizing visual appeal and occupant satisfaction.

Green Commitment

Energy Savings

Noise Control

Historic Replication

Features & Custom Options

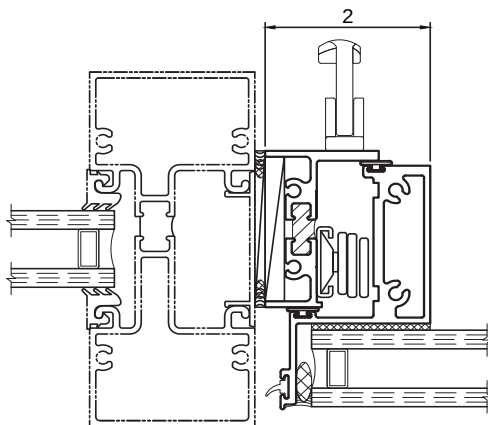
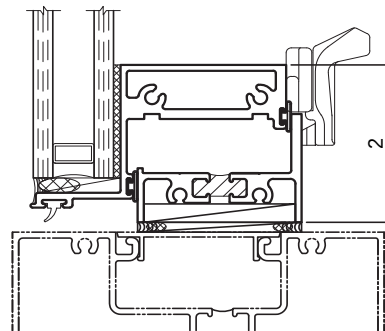
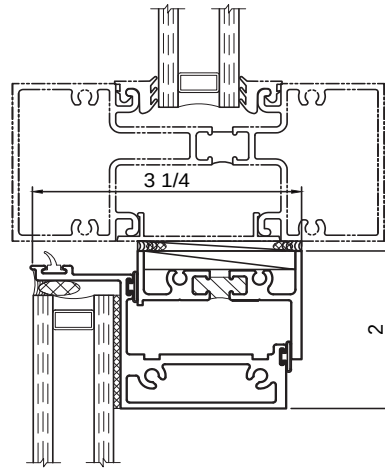
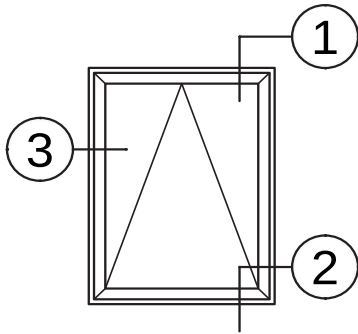
- Azon "Azo-Brader" thermally broken frame backed by a 10 year warranty against thermal break shrinkage
- A fully mitered overlap sash configuration has 1/8" wall thickness with fully sealed corners and dual weather-stripping
- Factory glazed with 1" glass and 3M VHB structural glazing tape
- Wide variety of locking and operating hardware available
- Optional aluminum extruded screens
- Optional blast glazed

Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Projected AW Grade AP-AW80	Less than 0.10	12 (Higher levels may be available upon request)	+/- 120	63*	0.36*	Contact your local Rep
Casement AW Grade C-AW80	Less than 0.10	12 (Higher levels may be available upon request)	+/- 120	63*	0.36*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 3325SF Zero Sightline Detail Drawings



3

2



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:11725



Series 3350

3-1/2" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

The 3350 Series Window, with its 3-1/2" deep, 1/8" thick frame and flush vent, makes it a great choice for large window openings and multiple glazing options.

It has been successfully used in many schools, hospitals, blast and hurricane applications for both public and private projects. It is available in fixed, casement, and vent operations either in-swing or out-swing. The window can be manufactured into many configurations to meet your project-specific needs.

As with most Winco Window's between the glass Venetian blinds can be added for total vision control. Also available is a full line of trim and accessories that can take a standard window and turn it into a custom design.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Historic Replication

Wind Protection

Features & Custom Options

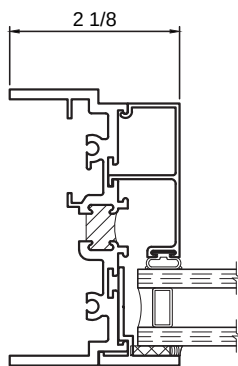
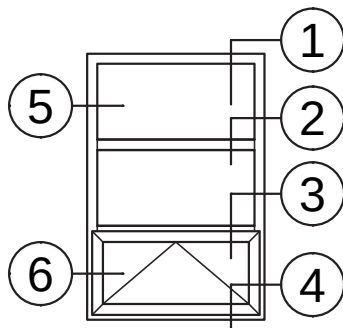
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Vertical and horizontal stacking members
- Various glazing thicknesses available
- Dual and triple glazing with optional integral blinds providing dynamic light control
- Wide variety of locking and operating hardware available
- Ability to make inside and outside glazed panels within the same mainframe
- Accessory line of receptors, mullions, panning and trim for a customized look
- Blast, ballistic and impact glazing available
- Optional aluminum extruded screens

Performance Data*

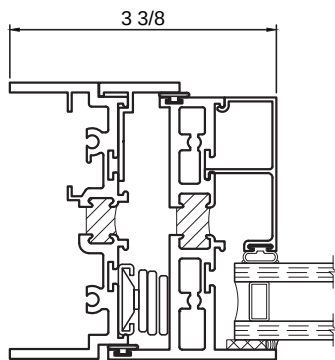
Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	63*	0.30*	Contact your local Rep
Projected AW Grade AP-AW120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	61*	0.41*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

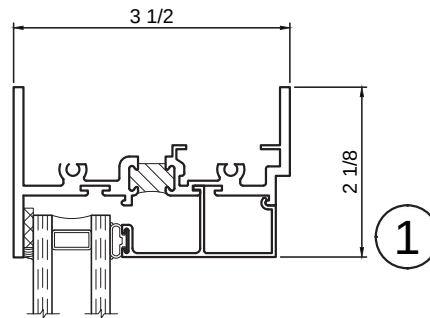
Series 3350 Detail Drawings



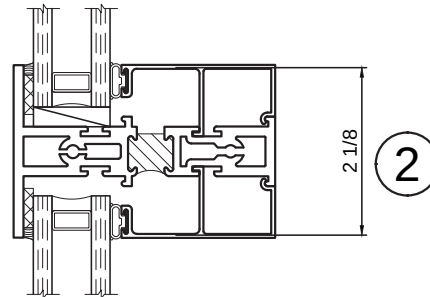
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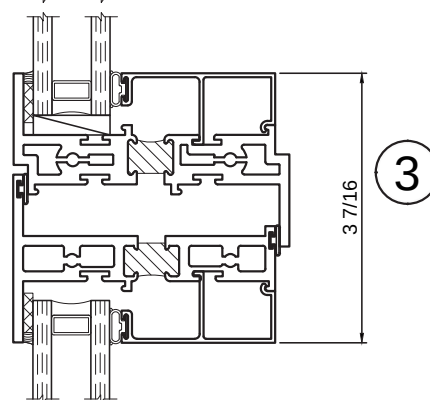
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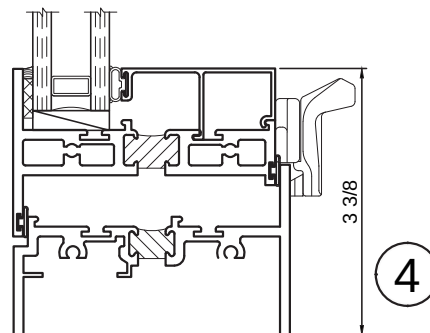
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Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER: 110625



Series 3410

4" Architectural Grade Window System
Fixed - Sliding



Product Overview

The 3410 Series has a 1/16" nominal wall thickness in the mainframe and sash. An 0.080" nominal stainless steel cover is available for the raised roller track and is up to the task that your project demands. It has been successfully used in many applications such as schools, hospitals, and condominiums in both public or private projects.

As with most Winco Windows between the glass Venetian blinds can be added for total vision control. Also available is a full line of trim and accessories that can take a standard window and turn it into a custom design solution.

Green Commitment

Energy Savings

Noise Control

Historic Replication

Features & Custom Options

- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Various glazing thicknesses available
- Accessory line of receptors, mullions, panning and trim for a customized look
- Dual glazing with optional integral blinds providing dynamic light control
- Blast, ballistic and impact glazing available
- Optional aluminum extruded screens
- Accompanying fixed frame options

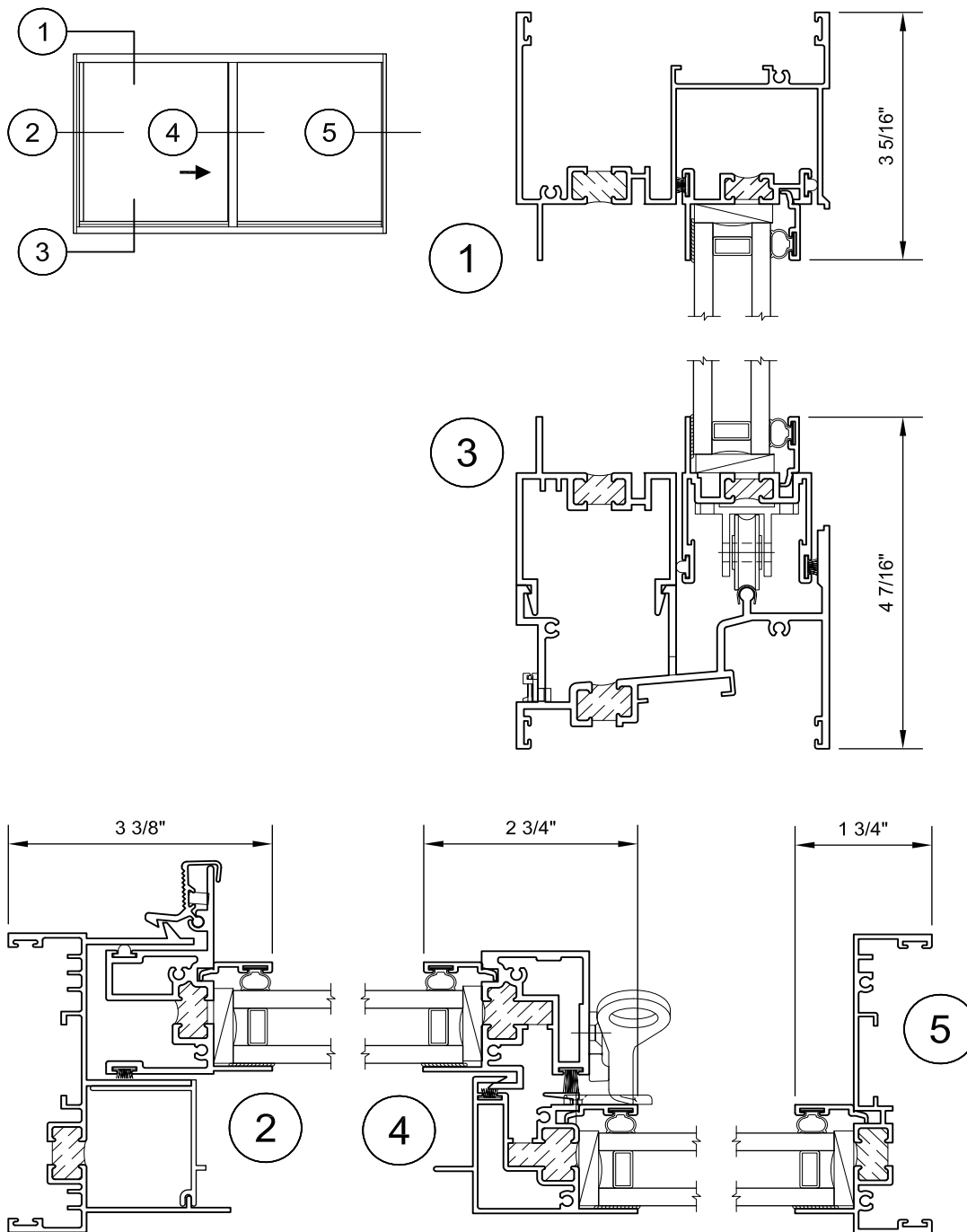
Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Sliding AW Grade S-AW50	0.3	12 (Higher levels may be available upon request)	+/- 75	57*	0.34*	Contact your local Rep

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.



Series 3410 Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:061125



Series 3600

3-1/4" Architectural Grade Window System
Fixed - Sliding



Product Overview

The 3600 Series has been successfully used in many applications such as schools, hospitals and condominiums for both public and private developments. Because it provides years of low maintenance performance at a competitive price, the 3600 Slider is frequently specified for new construction projects.

Green Commitment

Energy Savings

Noise Control

Features & Custom Options

- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Accessory line of receptors, mullions, panning and trim for a customized look
- Optional aluminum extruded screens
- Stainless steel roller track cover
- Accompanying fixed frame options include vertical and horizontal stacking members, allowing it to be used as unitized storefront
- Dual glazing with optional integral blinds providing dynamic light control

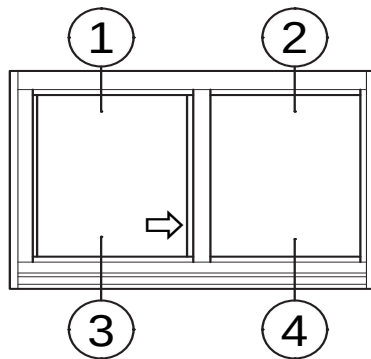
Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	U-Value (Btu/Hr-Ft2-°F)	STC
Sliding AW Grade S-AW50	0.24	10 (Higher levels may be available upon request)	+/- 75	0.34*	Contact your local Rep

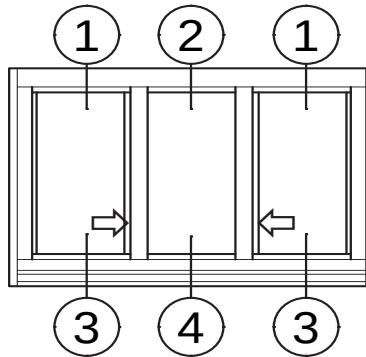
*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.



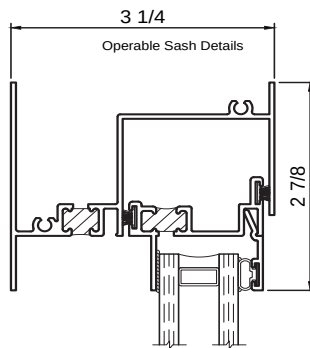
Series 3600 Detail Drawings



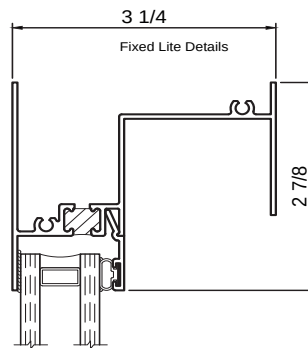
Xo Slider shown
oX Opposite Hand



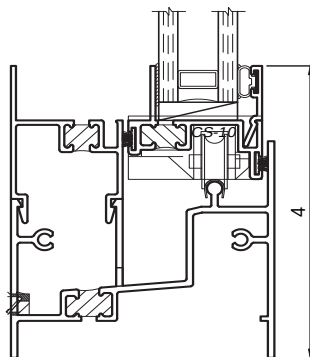
XoX Slider



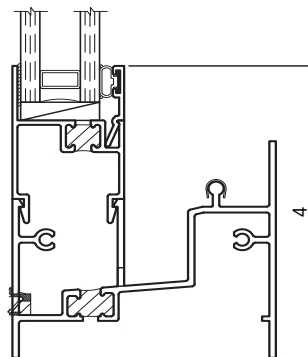
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Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:061125



Series 4410

4" Architectural Grade Window System
Fixed - Single Hung



Product Overview

The 4410 Series is a fixed and single hung window that will provide years of low maintenance performance. With 0.080" nominal wall thickness throughout the mainframe and sash and a 3/32" thick aluminum sill, the 4410 is up to the task that your project demands. The large window sash is no problem and will lift easily when using our class 5 balance system.

Green Commitment

Wind Protection

Noise Control

Blast Shield

Historic Replication

Features & Custom Options

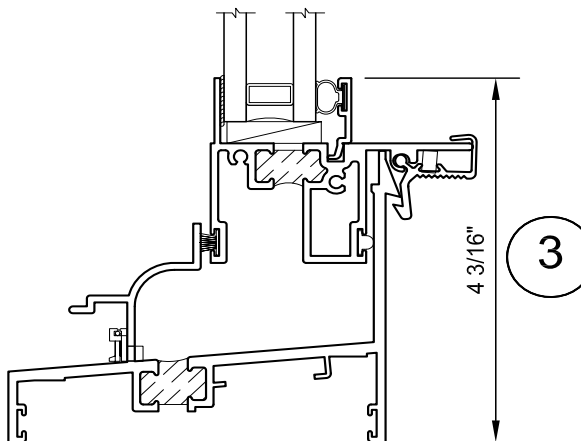
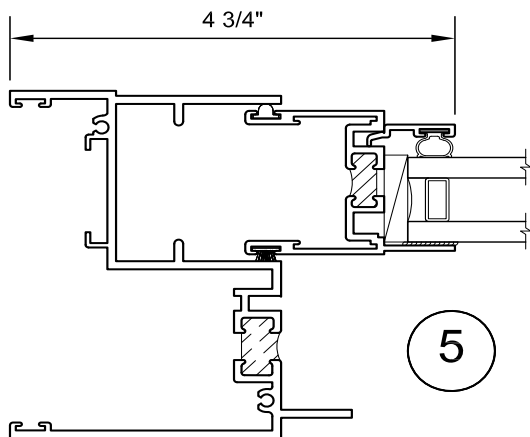
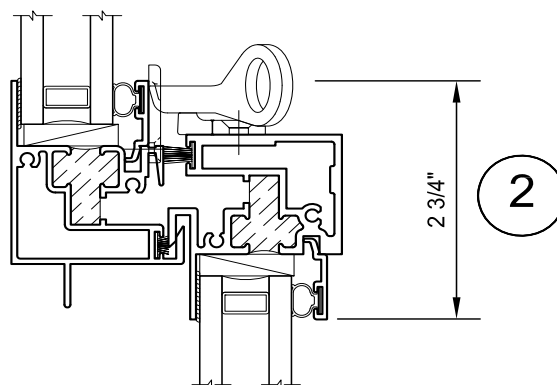
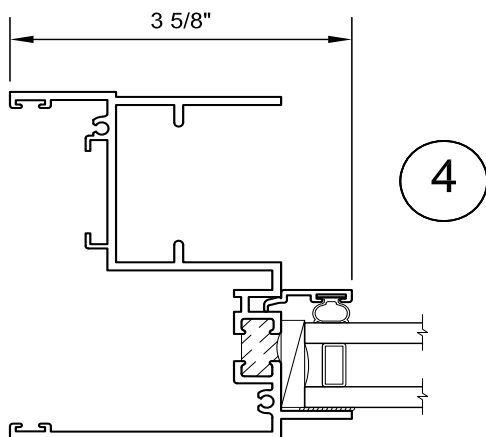
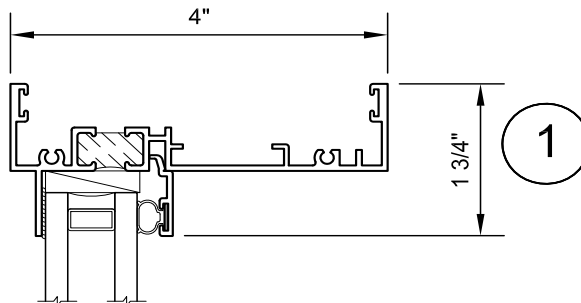
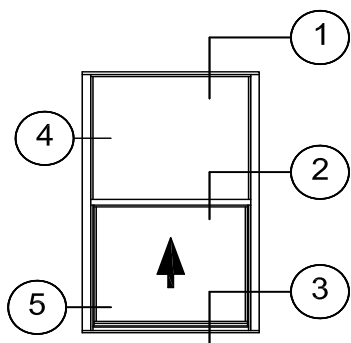
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Vertical and horizontal stacking members
- Integral lift handle on operable sash
- 4 sided fin seal weather-strip on the exterior
- Various glazing thicknesses available
- Dual glazing with optional integral blinds providing dynamic light control
- Accessory line of receptors, mullions, panning and trim for a customized look
- Blast, ballistic and impact glazing available
- Optional aluminum extruded screens
- Accompanying fixed frame options

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
AW-PG65-Hung	Less than 0.10	10 (Higher levels may be available upon request)	+/- 97.5	52*	0.41*	Contact your local Rep

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 4410 Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:11625



Series 4410S

4" Architectural Grade Window System
Fixed - Single Hung



Product Overview

The 4410S Series is a fixed and single hung window that has an integral sloped exterior glazing leg that gives it a historical look. No longer do you have to settle for the leaky drop-in beveled grid of the past, the extruded beveled glazing leg provides the clean appearance and weather-tight construction your project deserves.

Green Commitment

Wind Protection

Noise Control

Blast Shield

Historic Replication

Features & Custom Options

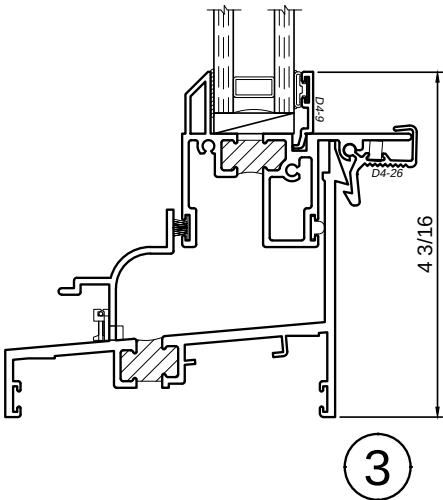
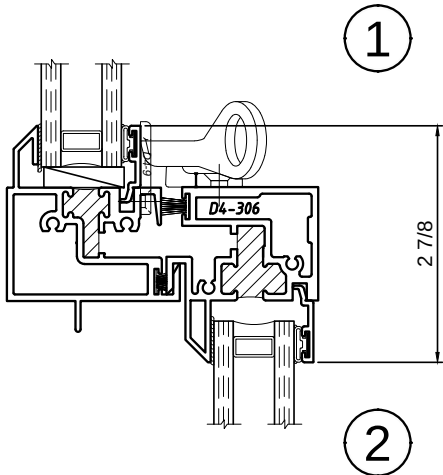
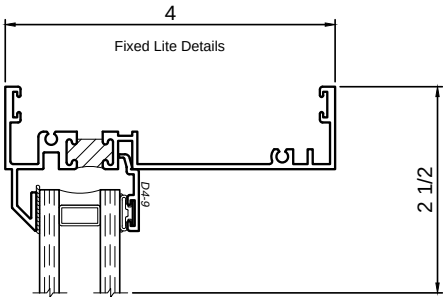
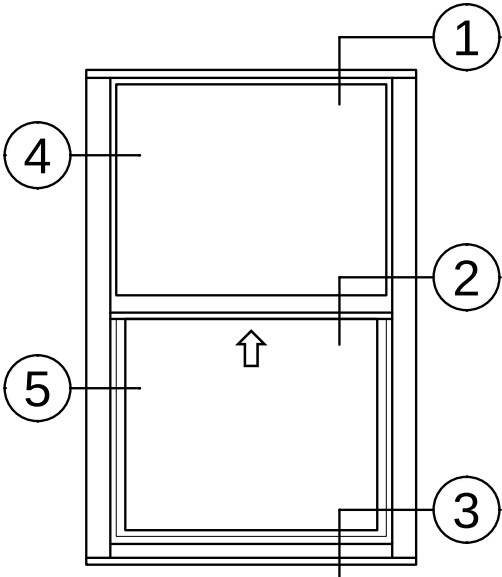
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Integral extruded beveled glazing leg
- 4 sided fin seal weather-strip exterior all 4 sides
- Various glazing thicknesses
- Dual glazing with optional integral blinds providing dynamic light control
- Blast, ballistic and impact glazing available
- Accessory line of receptors, mullions, panning and trim for a customized look
- Optional aluminum extruded screens
- Accompanying fixed frame options

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
AW-PG65-Hung	Less than 0.10	10 (Higher levels may be available upon request)	+/- 97.5	52*	0.41*	Contact your local Rep

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 4410S Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.



Series 4500

4" Architectural Grade Thermal Window System
Fixed-Double Hung



Product Overview

The 4500 Series is a fixed and double-hung window that has been designed to provide years of low maintenance performance. With 0.080" nominal wall thickness throughout the mainframe and sash and a 1/8" thick aluminum sill, the 4500 is up to the task that monumental window designs require.

Green Commitment

Noise Control

Blast Shield

Historic Replication

Features & Custom Options

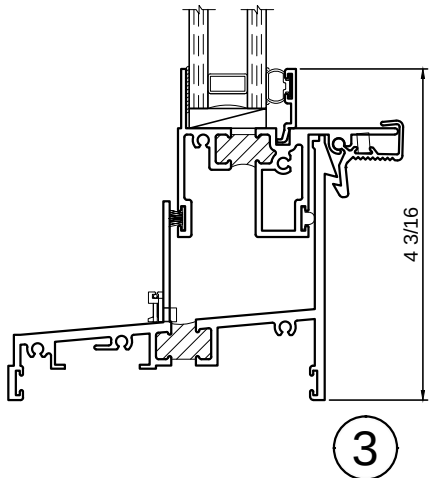
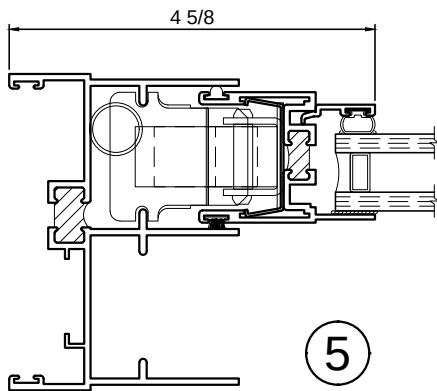
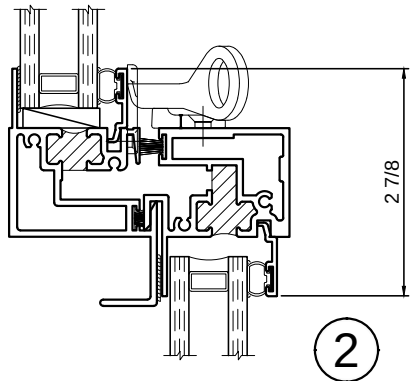
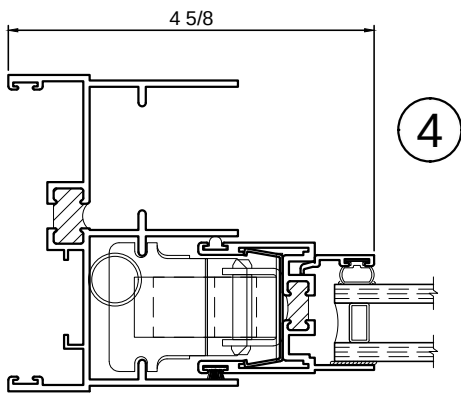
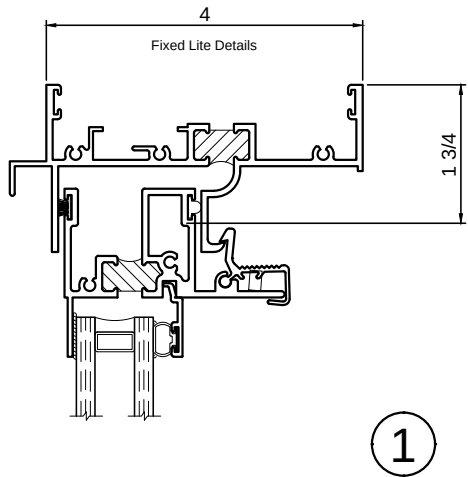
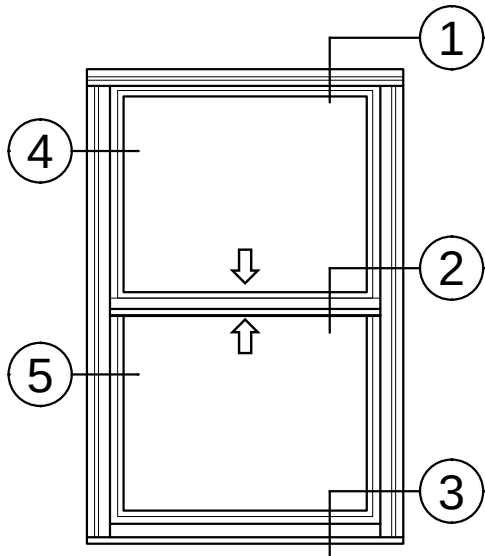
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Vertical and horizontal stacking members
- Integral lift handle on operable sash
- 4 sided fin seal weather-strip on the exterior
- Various glazing thicknesses available
- Dual glazing with optional integral blinds providing dynamic light control
- Accessory line of receptors, mullions, panning and trim for a customized look
- Laminated glass, blast mitigation and ballistic glazing are available
- Optional aluminum extruded screens
- Accompanying fixed frame options

Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
AW-PG60-Hung	0.21	10 (Higher levels may be available upon request)	+/- 90	58*	0.42*	Contact your local Rep

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 4500 Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.



Series 4500S

4" Architectural Grade Thermal Window System
Fixed - Double Hung



Product Overview

The 4500S Series is a fixed and double-hung window that has been designed to provide years of low maintenance performance. With 0.080" nominal wall thickness throughout the mainframe and sash and a 1/8" thick aluminum sill, the 4500S is up to the task that monumental window designs require.

Green Commitment

Noise Control

Blast Shield

Historic Replication

Features & Custom Options

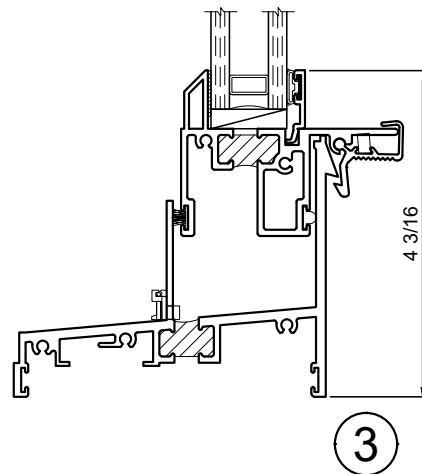
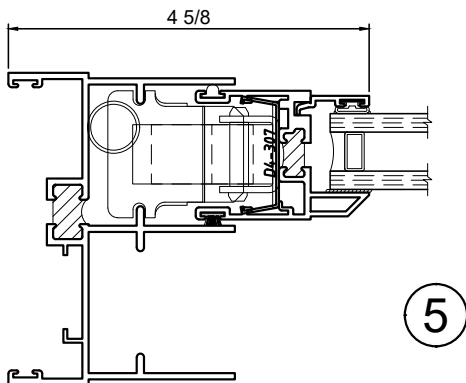
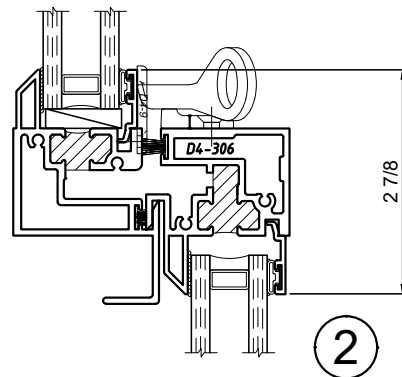
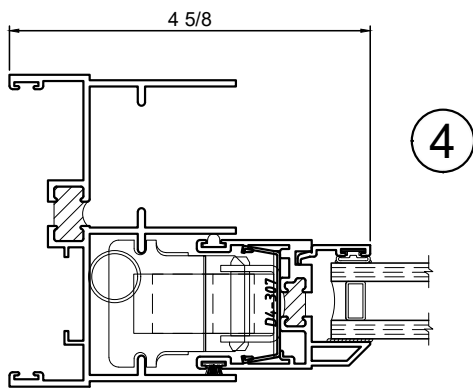
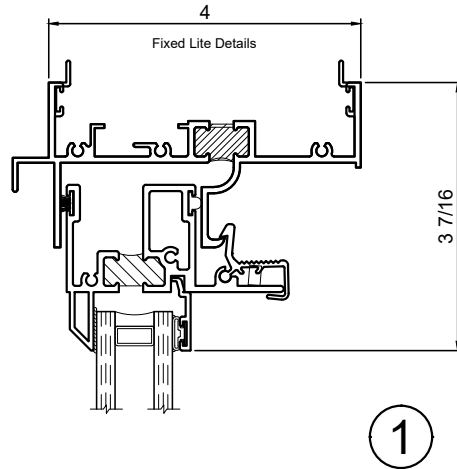
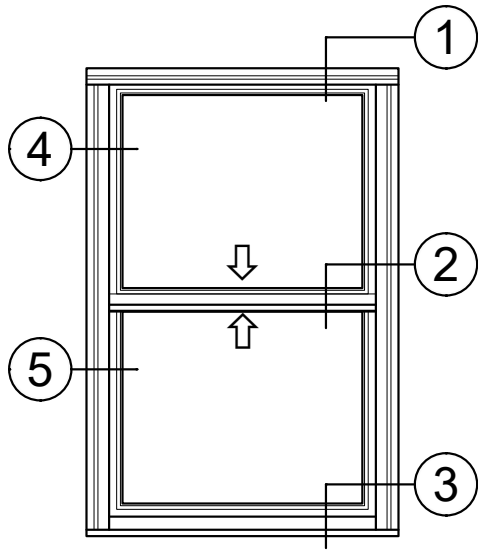
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- Integral extruded beveled glazing leg
- Vertical and horizontal stacking members
- Integral lift handle on operable sash
- 4 sided fin seal weather-strip on the exterior
- Various glazing thicknesses available
- Dual glazing with optional integral blinds providing dynamic light control
- Accessory line of receptors, mullions, panning and trim for a customized look
- Laminated glass, blast mitigation and ballistic glazing are available
- Optional aluminum extruded screens
- Accompanying fixed frame options

Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
AW-PG60-Hung	0.21	10 (Higher levels may be available upon request)	+/- 90	58*	0.42*	Contact your local Rep

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 4500S Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:11625



Series 8325

3-1/4" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

All framing members of the Winco Strut windows are thermally broken with two glass reinforced polyamide struts that stitch the two aluminum extrusions together. Because the strut materials have a low thermal transfer property, they can achieve high performing U-values that easily meet strict building codes and LEED requirements.

Green Commitment

Energy Savings

Noise Control

Historic Replication

Features & Custom Options

- Integral extruded beveled glazing leg
- Vertical and horizontal stacking members
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Various glazing thicknesses available
- Dual glazing with optional integral blinds providing dynamic light control
- Wide variety of locking and operating hardware available
- Accessory line of receptors, mullions, panning and trim for a customized look
- Optional aluminum extruded screens

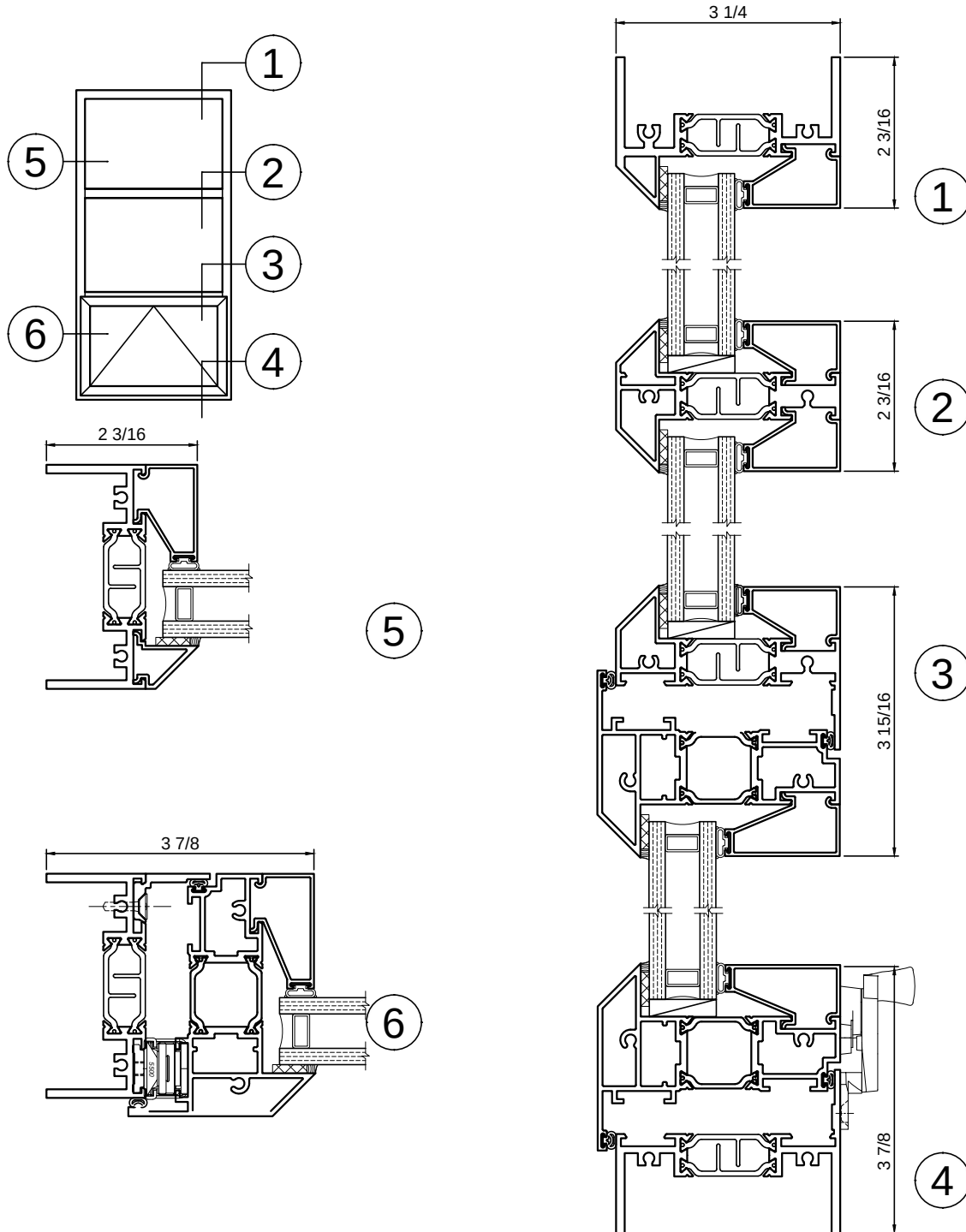
Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	69*	0.24*	Contact your local Rep
Projected AW Grade AP-AW120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	63*	0.34*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.



Series 8325 Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER: 110725



Series 8325F

3-1/4" Architectural Grade Thermal Window System
Fixed - Projected - Casement



Product Overview

All framing members of the Winco Strut windows are thermally broken with two glass reinforced polyamide struts that stitch the two aluminum extrusions together. Because the strut materials have a low thermal transfer property, they can achieve high performing U-values that easily meet strict building codes and LEED requirements while providing a contemporary aesthetic.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Features & Custom Options

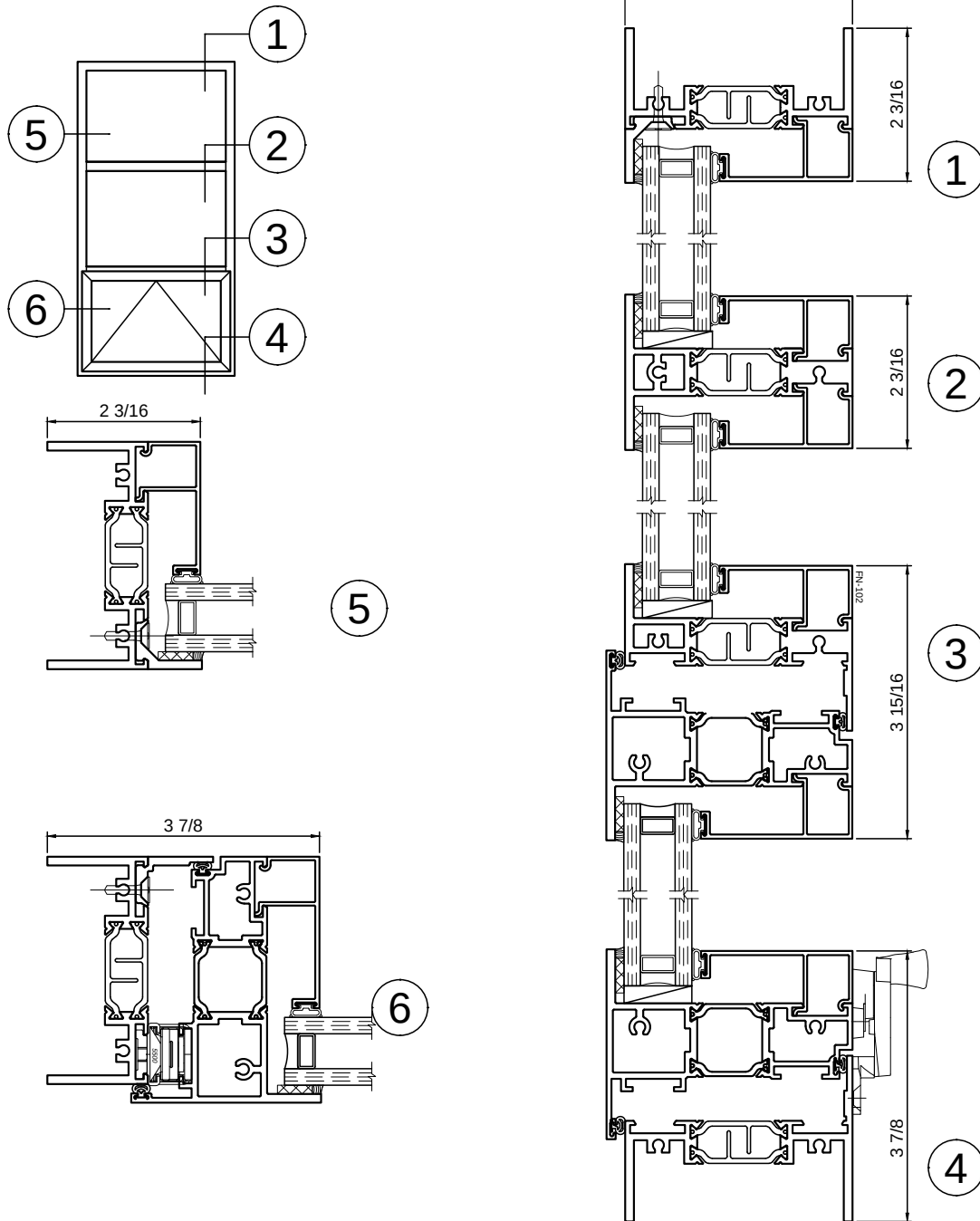
- Vertical and horizontal stacking members
- Fully mitered overlap sash configuration with fully sealed corners and dual weather-stripping
- Various glazing thicknesses available
- Optional aluminum extruded screens
- Dual glazing with optional integral blinds providing dynamic light control
- Wide variety of locking and operating hardware available including euro groove style hardware
- Accessory line of receptors, mullions, panning and trim for a customized look

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade AW-120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	0.24*	Contact your local Rep
Projected AW Grade AP-AW120	Less than 0.10	12 (Higher levels may be available upon request)	+/- 180	0.34*	

*U-Value, CRF, Water and AW ratings are based on a particular type of glazing and window configuration being used. They are provided for comparison purposes only. They are based on products of standard configuration, tested in accordance with NFRC/FGIA/AAMA specifications, in a laboratory environment under optimum conditions. Performance values will vary according to project specifications, installation, size, configuration, hardware, glass, etc. Any required field testing should be done in accordance with the project specifications and FGIA/AAMA field testing protocol, not this data.

Series 8325F Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER: 110725



Series 8800 Behavioral Care Window

4" Architectural Grade Thermal Window System
Fixed



Product Overview

Winco's Series 8800 behavioral care window system combines energy efficiency with safety features to protect patients. Our series 8800 has a thermally broken mainframe that will meet all your performance criteria.

The 8800 is a 4" deep frame with a nominal wall thickness of 0.125". The human impact sash is a hinged configuration with concealed stainless steel hinges and multi point locks.

Green Commitment

Energy Savings

Noise Control

Human Impact Resistant

Features & Custom Options

- Tested per AAMA 501.8 for interior human impact up to 2000 ft-lbs
- Dual and triple glazing with optional integral blinds providing dynamic light control
- Special security system for behavioral health applications
- 1/8" wall thickness in frame members
- Concealed hinges with supplemental reinforcement
- Dual strut thermal break
- Supplemental lock hole covers with tamper proof screws
- Impact resistant interior polycarbonate or laminated glass
- Integral 5/8" or 1" venetian blinds
- Supplemental GEM security lock
- Dual finish available
- Exterior tinted or laminated glass for additional privacy

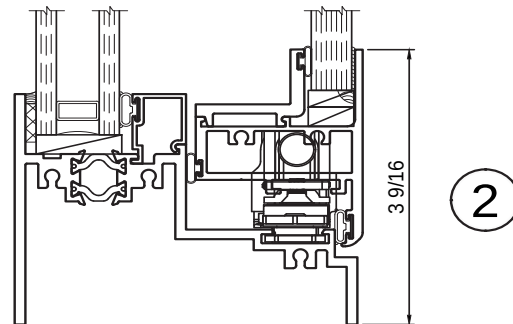
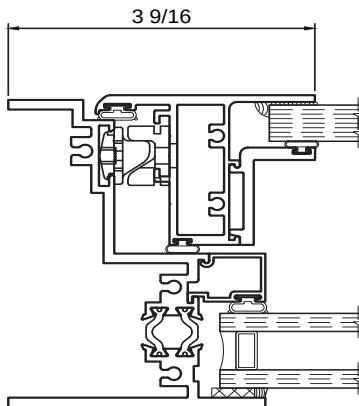
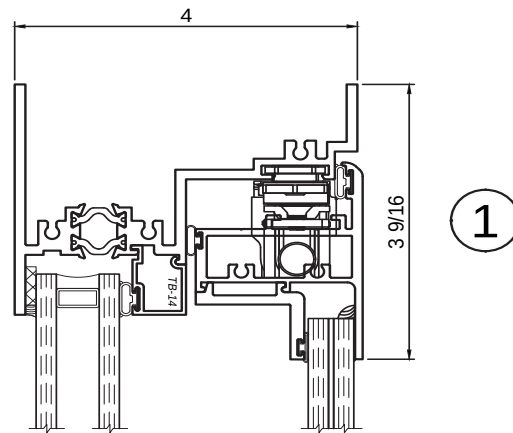
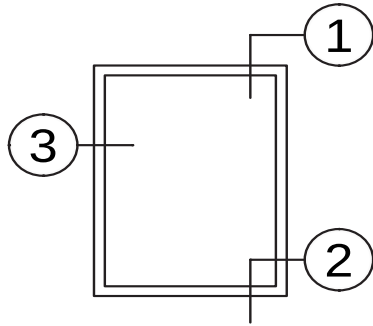
Performance Data*

Type	Air (CFM/FT2 @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed - AW Grade AP-AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	67*	0.25*	Contact your local Rep

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Series 8800 Detail Drawings



Winco Window Company
6200 Maple Avenue
St. Louis, MO 63130

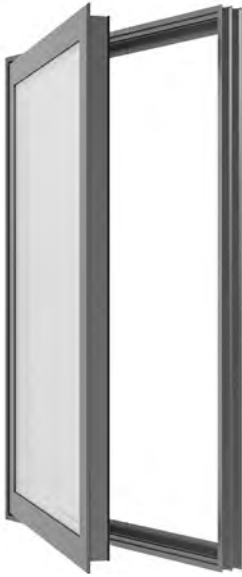
TESTING: Our products meet stringent testing requirements of both the American Architectural Manufacturers Association (AAMA) and the National Fenestration Rating Council (NFRC) standards and certification.

VER:061125



Series 8800 Retrofit Behavioral Care Window

2" Human Impact Access Panel
Fixed/Retrofit



Product Overview

Winco's 8800 retrofit behavioral care insert is designed with a 1/8" nominal wall thickness for a security glazing infill behind existing windows. Available with human impact ratings of 2,000 ft. lbs.

The combination of energy efficiency with life safety features to protect patients makes this window an ideal solution to your behavioral healthcare projects.

Green Commitment

Energy Savings

Noise Control

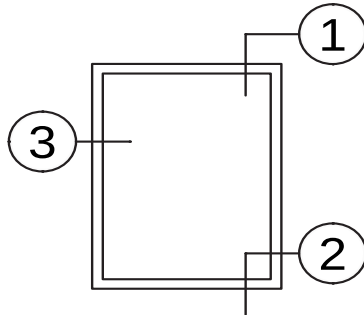
Human Impact Resistant

Features & Custom Options

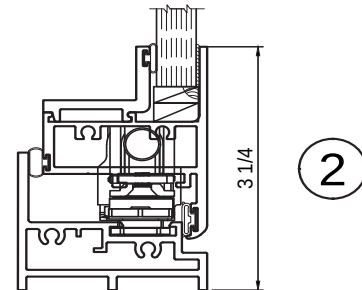
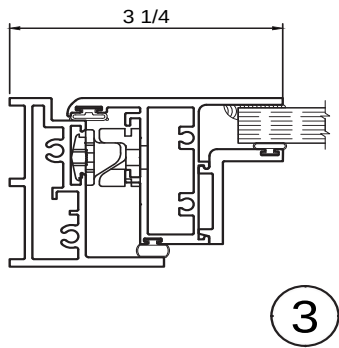
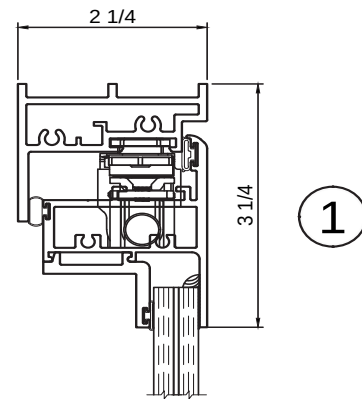
- Tested per AAMA 501.8 for interior human impact up to 2000 ft-lbs
- Special security system for behavioral health applications
- 1/8" wall thickness in frame members
- Concealed hinges with supplemental reinforcement
- Supplemental lock hole covers with tamper-proof screws
- Impact resistant interior polycarbonate or laminated glass that resists breaking and creates a safer patient environment
- Minimal framing to fit within new or existing openings
- Improves air infiltration, thermal and acoustical performance
- Integral 5/8" or 1" venetian blinds that offer daylight control and patient privacy
- Supplemental GEM security lock
- Blinds are sealed between glass to protect from germs and debris



Series 8800 Retrofit Detail Drawings



Note:
The primary (exterior) glazing remains undisturbed by the addition of the 8800 Retro-Fit Impact Sash. It can be accessed for maintenance, but not be used for ventilation.
Sealing against intrusion of Air or Water from the building's exterior must be addressed in the primary (exterior) glazing system.



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VER:061125



FEMA 361 / ICC 500 Application

3-1/2" Thermal Fixed Window System



Product Overview

WINCO Window offers tornado and hurricane rated windows that meet the standards for FEMA P-361, the Federal Emergency Management Agency's third edition of Safe Rooms for Tornadoes and Hurricanes.

These windows are designed to withstand 250mph winds with flying debris impact testing of a 15-pound 2x4 traveling at 100mph. Many schools, hospital emergency rooms, police/fire headquarters and other public buildings are opting to include a safe room in their design. Since these rooms must also serve as workable space year round, windows are an important element.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Wind Protection

Features & Custom Options

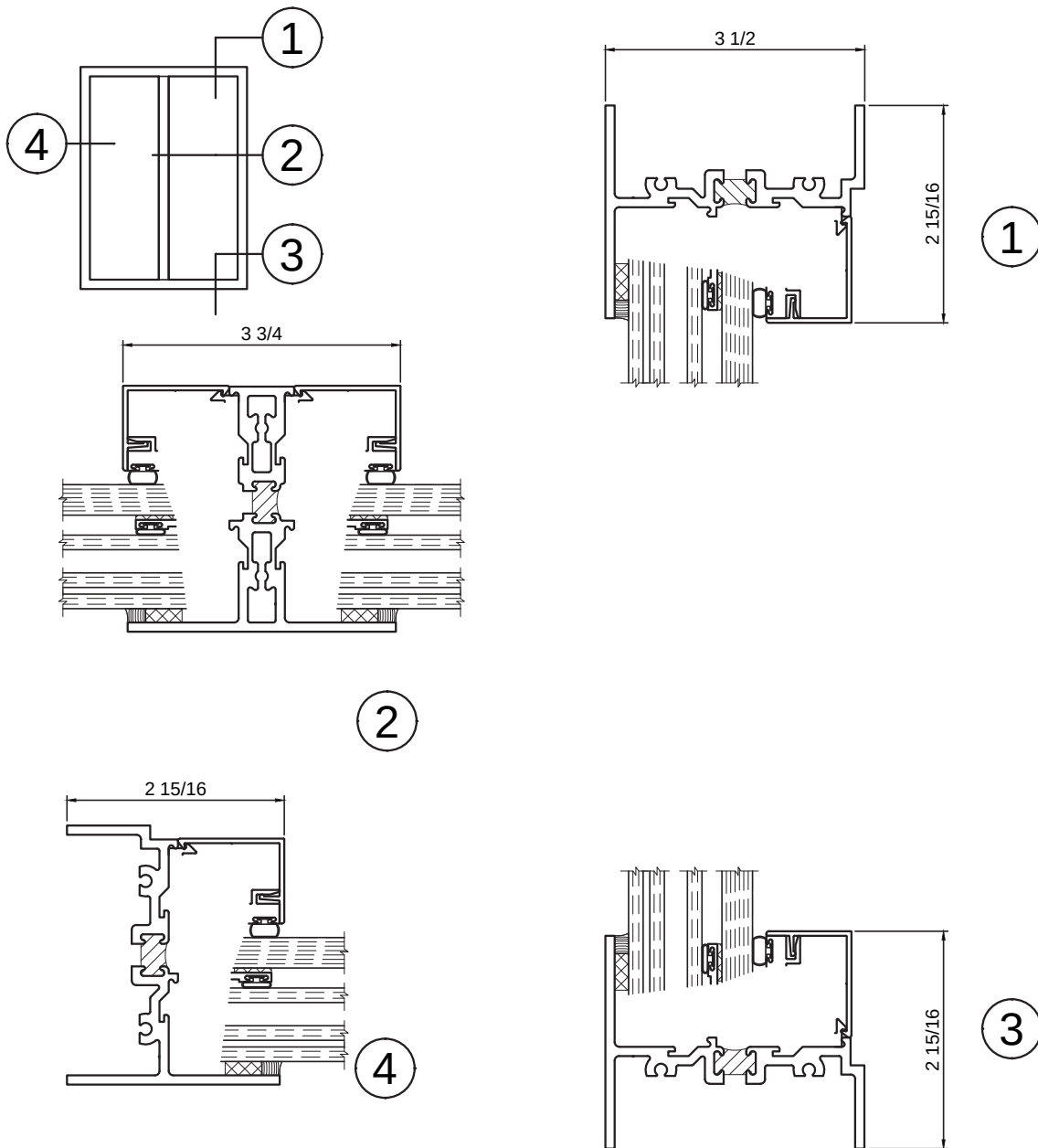
- Azon "Azo-Brader" thermally broken frame and sash, backed by a 10 year warranty against thermal break shrinkage
- AAMA Gold Level Certification — Water and air tested to over AW-80 and 250mph
- Designed for high thermal efficiency
- Meets FEMA P-361, ICC-500, and ASTM 1886/E1996 Levels D & E requirements for safe rooms and community shelters
- Florida Product Approval #24436 for Hurricane and Tornado Usage

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	CRF	U-Value (Btu/Hr-Ft ² -°F)	STC
Fixed AW Grade -AW100	Less than 0.10	12 (Higher levels may be available upon request)	+/- 150	63*	0.30*	Contact your local Rep

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FEMA 361 / ICC 500 Application Detail Drawings



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VER: 110625



Series NC-82 Terrace Door

3-1/4" Deep Frame Depth / NC-82 Terrace Door
Single- Double Outswing/ Inswing



Product Overview

Winco's NC 82 STH Thermal Terrace door is designed to meet the most demanding specification, both aesthetically and technically. Fully tested, according to AAMA-WDMA specifications they set new standards in performance design features include rain screen principal EPDM gaskets adjustable heavy-duty hinges multipoint locking hardware, polyamide thermal barrier, and mitered corners reinforced with heavy-duty corner keys for sturdy construction and much more.

These high quality doors provide a long lasting, secure and attractive access for condominium, single or multistory commercial office buildings and hotels.

Green Commitment

Energy Savings

Noise Control

Blast Shield

Wind Protection

Features & Custom Options

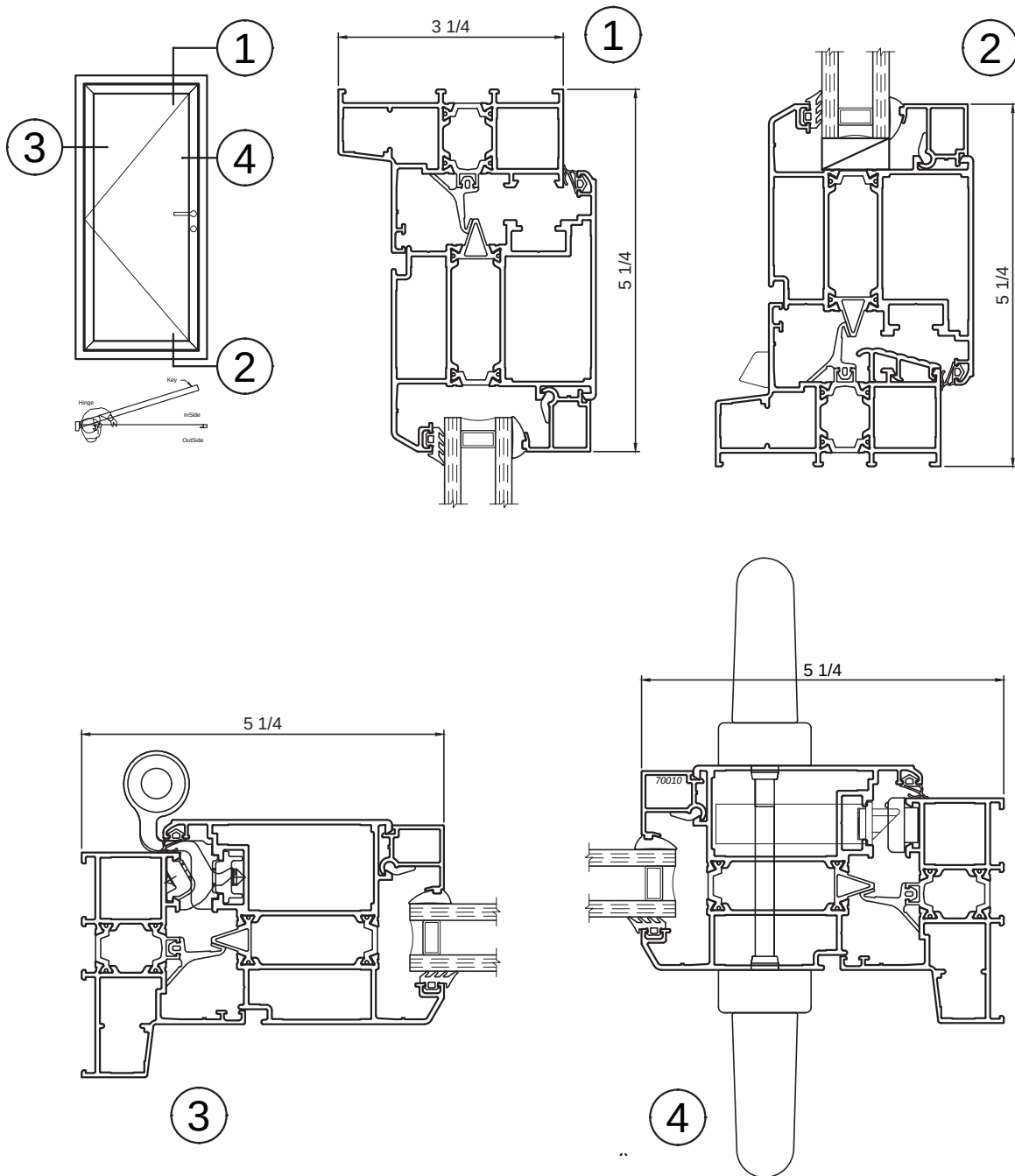
- Various glazing thicknesses available
- Blast, ballistic and impact glazing available
- Available as single and double French type doors, inward and outward opening, with or without sidelights
- A wide range of AAMA certified finishes are available including numerous color combinations
- Adjustable heavy duty hinges multipoint locking hardware available
- Tubular designed aluminum profiles in combination with two continuous glass reinforced polyamide struts to significantly enhance thermal performance

Performance Data*

Type	Air (CFM/FT ² @ 6.24 PSF)	Water (PSF)	Structural (PSF)	STC
Single Door- AAMA AW-75	Less than 0.10	15 (Higher levels may be available upon request)	+/- 112.5	Contact your local Rep
Double Door- AAMA AW-70	Less than 0.10	15 (Higher levels may be available upon request)	+/- 105	

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Series NC-82 Detail Drawings



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VER: 110625