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in architectural aluminum windows... winco brings you comfort

08 51 00/WIN  
BuyLine 3033

# WINCO DEFINES COMFORT

comfort is...  
security and  
protection

comfort is...  
preservation of  
building assets

comfort is...  
customer  
confidence





# WINCO

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## SINCE 1931

### WINCO WINDOWS ARE ALL ABOUT YOUR COMFORT ZONE

Winco Window has been producing strong, durable and renewable architectural aluminum windows for nearly 80 years.

During this period Winco has successfully manufactured and delivered thousand of windows for projects throughout the United States. Windows manufactured to specifications required to meet government standards and climate conditions.

When your project must meet the diverse requirements of many stakeholders... when you absolutely must have on time, on budget delivery... when you need a window company that understands aesthetics as well as value engineering... there really is only one choice... WINCO



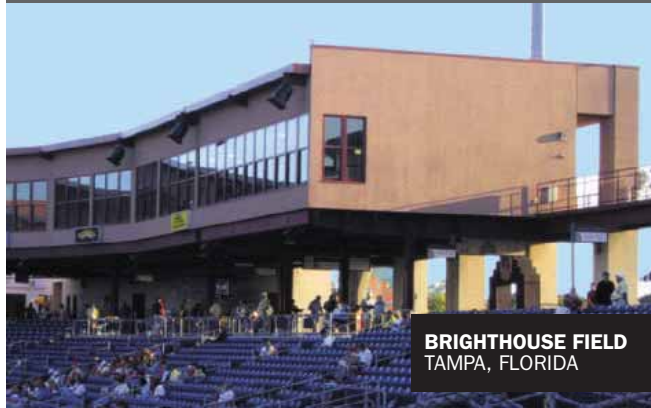
**SAUGATUCK ELEMENTARY**  
WESTPORT, CONNETICUT



**MARINA VIEW CONDOS**  
WASHINGTON, D.C.



**EASTERN CONNECTICUT STATE UNIVERSITY  
ADMINISTRATION BUILDING**  
WILLIMANTIC, CONNECTICUT



**BRIGHTHOUSE FIELD**  
TAMPA, FLORIDA



**200 MYRTLE STREET**  
NEW BRITAIN,  
CONNECTICUT



#### BLAST SHIELD

Due to the elevated risk of bomb threats

directed at federal buildings, including military base structures, Winco has developed a new generation of high-security windows that feature high-performance laminated glass systems, in tandem with durable, heavy commercial aluminum framing. Today, all government buildings are required to include explosion-resistant windows – to provide a superior level of security, invisible to the casual observer. These fortified windows provide the assurance of safety without the visual reminders of security screens, shutters and barriers. Some of these can survive a direct encounter with a Level One blast (equivalent to 1000 pounds of TNT exploded at a distance of 160 feet.



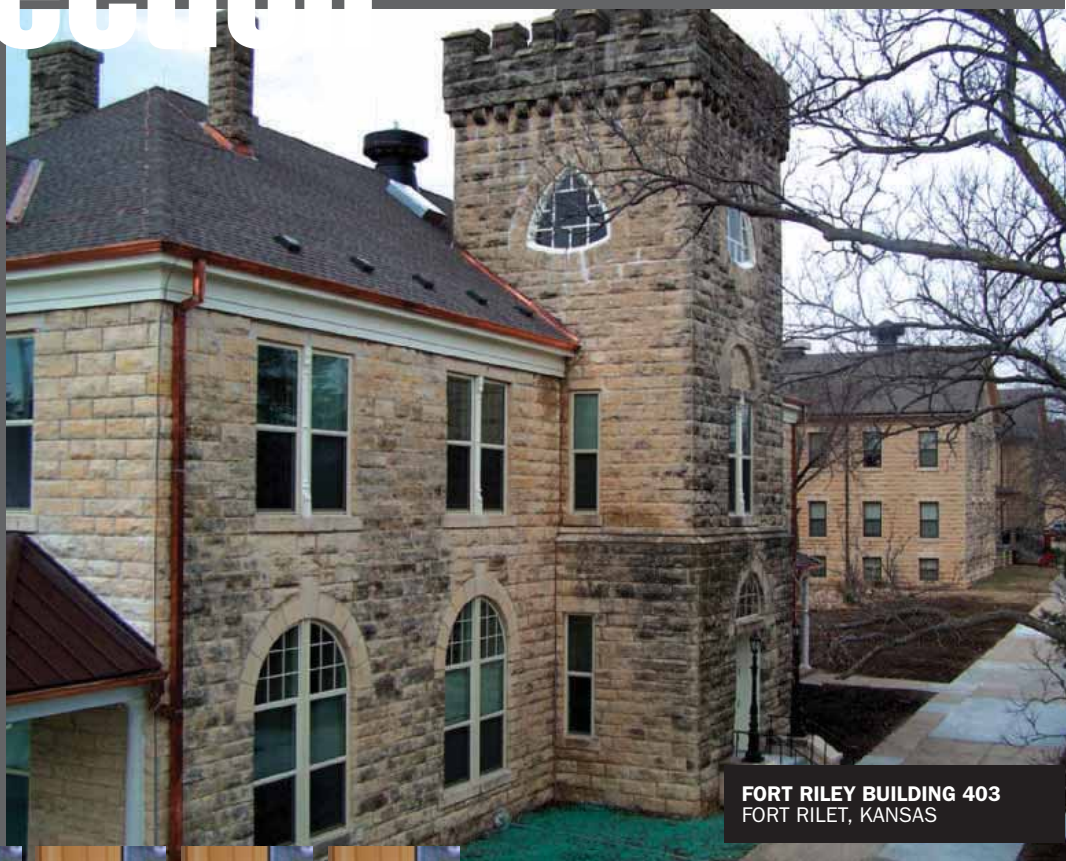
# comfort is... security and protection

KNOWING THAT THE WINCO WINDOWS YOU CHOOSE CAN PROTECT LIVES AND PROPERTY FROM HARMFUL FORCES, BOTH NATURAL AND MAN-MADE. AND PROTECT AGAINST HARSH WEATHER AND COMFORT-ROBBING STREET NOISE.



**WIND PROTECTION**  
Long a leader in hurricane-rated (large missile impact) commercial windows,

Winco has now stretched the protective envelope with a unique line of Tornado Impact Windows. These innovative, reinforced, laminated products combined with polycarbonate sheets, exceed all industry standards for high-wind protection. Winco manufactures its own laminated glass which gives its windows unique performance and service advantages. It is also a leader in the application of Cytec's Uvekol poured acrylic resin protective coating for insulated glass that can outperform PVB laminated film



**FORT RILEY BUILDING 403**  
FORT RILEY, KANSAS



**FORT RILEY BUILDING 403**  
DETAIL: INSIDE



## **NOISE CONTROL**

Human exposure to noise exceeding 85 decibels can cause hearing loss. Winco is able to improve acoustical performance (with STC ratings of 35 to 55) of many of its windows through proprietary designs and the use of

laminated glass. Typical noise control applications include schools, hospitals, hotels and any buildings adjacent to highways or airports. The optional use of Uvekol poured-in-place resin, as an alternative to PVB film interlayer, adds additional protection from exterior noise, improving acoustical performance and comfort by up to two STC points. Winco acoustical windows are built to meet the LEED requirement for noise control in schools.

Knowing that Winco will be there in the planning and design stages of your project, to more than meet your performance criteria with timely, quality execution. At Winco, we call it "customer comfort." Providing real and lasting comfort to architects, construction professionals, building owners and occupants.



#### TESTING BEFORE SHIPPING

At Winco, many manufacturing processes and testing procedures are vertically integrated. The company has a "show me" attitude when it comes to product testing. That's why Winco tests before it ships, as an added comfort to its customers. The Blast testing facility was designed specifically for Winco and is another way it validates quality.

#### ENGINEERING / DESIGN

Winco distinguishes itself by supplying specialized Engineering/ Design and Applications support to project planners and architects.

# comfort is... customer confidence

UNC STUDENT HOUSING, SOUTH  
UNIVERSITY of NORTHERN COLORADO  
GREELY, COLORADO



#### TECHNOLOGY

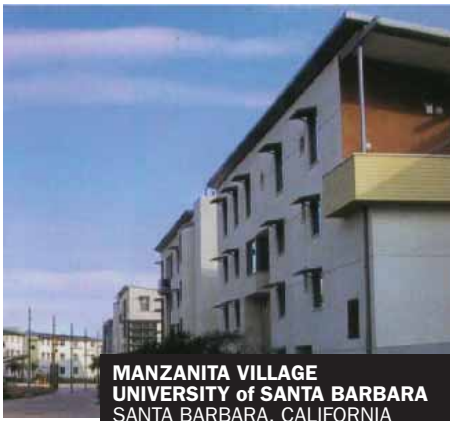
Winco employs state of the art technology to meet today's energy and performance standards and to reduce the cost of manufacturing with cutting edge materials and processes. Uvekol/ Azo Braid/ interlocking grid muntins material handling methods process larger and heavier units.



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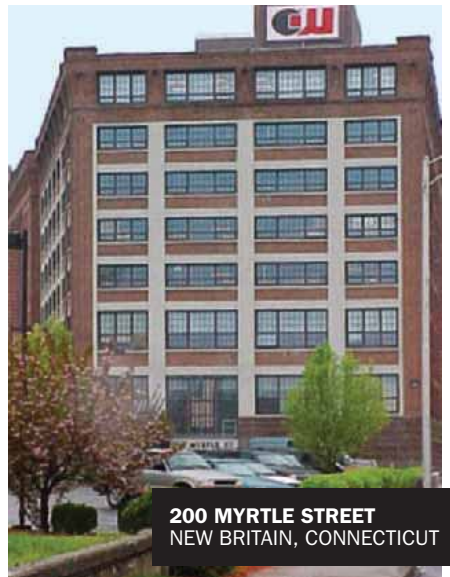
**TOWN CENTER CONDO**  
WASHINGTON, D.C.



**MANZANITA VILLAGE**  
UNIVERSITY of SANTA BARBARA  
SANTA BARBARA, CALIFORNIA



**ANTIQUE LIGHTING**  
ST LOUIS, MISSOURI



**200 MYRTLE STREET**  
NEW BRITAIN, CONNECTICUT



**FRANCIS HOWELL**  
MIDDLE SCHOOL  
ST LOUIS, MISSOURI



**FOR  
DETAILED INFORMATION  
ON IMPACT... BLAST...  
WEATHER & NOISE  
RESISTANT WINDOWS....  
CONTACT US AT:  
TEL: 800.525.8089 or  
INFO@WINCOWINDOW.COM**



# WINCO WINDOW PRODUCT SELECTION GUIDE

## OPTIONAL PERFORMANCE

WINDOW TYPE	WINDOW SERIES	FRAME DEPTH	WALL THICKNESS	SASH DEPTH	THERMAL BREAK	AAMA 101/I.S.2-97 "HC"	AAMA 101/I.S.2-97 "AW"	WATER PSF	AIR @ 6.24	STRUCTURAL TEST PSF	CRF FRAME	U FACTOR	FORCED ENTRY	AAMA GATEWAY TEST SIZE	INTEGRAL BLIND OPTION	GREEN COMMITMENT	WIND PROTECTION	NOISE CONTROL	BLAST SHIELD
PROJECTED/AWNING/CASEMENT	950	1-5/8"	0.125	1-5/8"	NO	HC-65	AW-65	12 PSF	0.03	97.5 PSF	NA	N/A	10	60" X 36"	NO	YES	NO	NO	NO
	1100	2"	0.125	2"	NO	HC-80	AW-80	12 PSF	0.02	120 PSF	NA	N/A	10	60" X 36"	YES	YES	YES	YES	
	2200	2"	0.090	2"	NO	HC-80	AW-80	12 PSF	0.008	120 PSF	NA	N/A	10	60" X 36"	YES	YES	NO	YES	
	2250	2"	0.090	2"	YES	HC-80	AW-80	12 PSF	0.008	120 PSF	57	0.33	10	60" X 36"	YES	YES	NO	YES	
	1150	2"	0.125	2"	YES	HC-80	AW-80	12 PSF	0.02	120 PSF	57	0.33	10	60" X 36"	YES	YES	YES	YES	
	1150S	2"	0.125	2"	YES	HC-80	AW-80	12 PSF	0.02	120 PSF	57	0.33	10	60" X 36"	YES	YES	NO	YES	
	3350	3-1/2"	0.125	3-1/2"	YES	HC-80	AW-80	12 PSF	0.007	120 PSF	63	0.39	10	60" X 36"	YES	YES	YES	YES	
	3325SF	2"	0.075	3-1/4"	YES	HC-80	AW-80	12 PSF	0.002	120 PSF	63	0.39	10	61.5" X 37.75"	NO	YES	NO	YES	
	3325CW	3-1/4"	0.075	3-1/4"	YES	HC-80	AW-80	12 PSF	0.002	120 PSF	63	0.39	10	61.5" X 37.75"	NO	YES	NO	YES	
	1450L	4"	0.063	2"	YES	HC-80	AW-80	12 PSF	0.02	120 PSF	68	0.41	10	60" X 36"	YES	YES	NO	YES	
	1450H	4"	0.125	2"	YES	HC-80	AW-80	12 PSF	0.02	120 PSF	68	0.41	10	60" X 36"	YES	YES	YES	YES	
	1450S	4"	0.125	2"	YES	HC-80	AW-80	12 PSF	0.02	120 PSF	68	0.41	10	60" X 36"	YES	YES	YES	YES	
1550H	4-1/2"	0.0125	2"	YES	HC-80	AW-80	12 PSF	0.002	120 PSF	68	0.41	10	60" X 36"	YES	YES	NO	YES		
SLIDER	4410	4"	.063/.090 SILL	1-11/16"	YES	HC-80	AW-80	12 PSF	0.01	120 PSF	52	0.52	20	60" X 99.5"	YES	YES	YES	YES	
	4410H	4"	.080/.125 SILL	1-11/16"	YES	HC-80	AW-80	12 PSF	0.01	120 PSF	52	0.52	20	60" X 99.5"	YES	YES	YES	YES	
	4410S	4"	.0080/.125 SILL	1-11/16"	YES	HC-60	AW-60	12 PSF	0.28	90 PSF	52	0.52	20	60" X 99.5"	NO	YES	NO	YES	
	4400	4"	.090/.125 SILL	1-11/16"	YES	HC-40	AW-40	8 PSF	0.03	60 PSF	48	0.64	10	60" X 99"	YES	YES	NO	YES	
	4500	4-1/2"	.090/.125 SILL	1-11/16"	YES	HC-50	AW-50	10 PSF	0.025	75 PSF	55	0.66	10	60" X 96"	YES	YES	YES	YES	
	4500S	4-1/2"	.090/.125 SILL	1-11/16"	YES	HC-50	AW-50	10 PSF	0.25	75 PSF	55	0.66	10	60" X 96"	YES	YES	YES	YES	
	3410	4"	.063/.094 SILL	1-11/16"	YES	HC-65	AW-65	12 PSF	0.07	97.5 PSF	61	0.60	10	96" X 78"	YES	YES	YES	YES	
	3400	4"	.090/.125 SILL	1-11/16"	YES	HC-40	AW-40	8 PSF	0.3	60 PSF	46	0.57	10	99" X 79"	YES	YES	YES	YES	
	SNGL/DBL HUNG	FIXED HUNG REPLICA	4"	0.125	2"	YES	HC-80	AW-80	12 PSF	0.006	120 PSF	68	0.41	10	60" X 96"	YES	YES	YES	YES
		VENT HUNG REPLICA	4"	0.125	4"	YES	HC-80	AW-80	12 PSF	0.02	120 PSF	68	0.41	10	60" X 96"	YES	YES	YES	YES
		3250 STEEL REPLICA	3-1/4"	0.125	3-1/4"	YES	CW-80	AW-80	12 PSF	0.05	120 PSF	-	0.34	10	60" X 99"	NO	YES	YES	YES
		NC-82 ADA SILL	3-1/4"	0.062	3-1/4"	YES	N/A	AW-55	15 PSF	0.07	82.5 PSF	-	0.54	10	48" X 96"	YES	YES	YES	YES
REPLICATION WINDOWS	NC-82	3-1/4"	0.062	3-1/4"	YES	N/A	AW-55	15 PSF	0.07	82.5 PSF	-	0.54	10	48" X 96"	YES	YES	YES	YES	
	NC-82 ADA SILL	3-1/4"	0.062	3-1/4"	YES	N/A	AW-55	8 PSF	0.07	82.5 PSF	-	0.54	10	48" X 96"	YES	YES	YES	YES	
TERRACE DOORS	NC-82	3-1/4"	0.062	3-1/4"	YES	N/A	AW-55	15 PSF	0.07	82.5 PSF	-	0.54	10	48" X 96"	YES	YES	YES	YES	

This Selection Guide for preliminary comparison on the performance and options available. All the performance data listed is from laboratory tests performed under optimum conditions. Products meet or exceed AAMA gateway standards unless noted.

Air Infiltration numbers are reflective of what ANSI/AAMA/NWMDA 101.I.S. -97 allows per product configuration and rating. Structural and Water Resistance numbers are reflective of actual test results.

Field air and water performance will vary with sizes and field conditions. The information contained in the chart should not be construed as field performance.

The information in this table was taken from AAMA certified test reports. Values shown may vary slightly due to product changes, different glazing or testing at different laboratories. Field or laboratory testing of different sized windows will give other results. Winco reserves the right to make changes that may result in different testing values without prior notice.

# comfort is... preservation of building assets

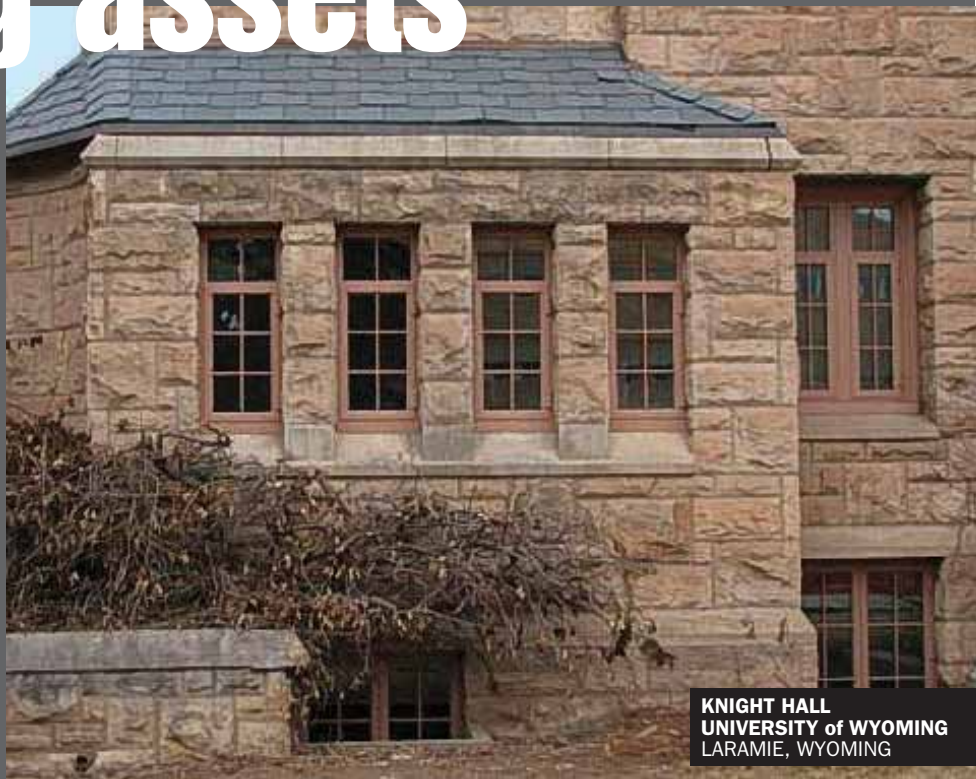
As historic window experts, Winco satisfies both the aesthetic considerations of preserving the architectural integrity of traditional buildings, as well as the practical needs to save energy and protect customer investments.



## HISTORIC REPLICATION

What's more sustainable than an existing building? Winco historic replacement windows preserve traditional aesthetics while improving performance,

from energy savings to acoustical improvement. Original window sight lines are replicated in durable aluminum. A new line of "steel replica" windows features narrow sightlines and a "beveled putty-look" grid that help conceal a unique suspended center vent. Insulated "faux" divided lites emulate historic muntins while delivering modern thermal performance.



KNIGHT HALL  
UNIVERSITY of WYOMING  
LARAMIE, WYOMING



JORDAN ELEMENTARY  
ST PETERSBURG, FL



## ENERGY SAVINGS

Winco thermally improved windows can achieve superior thermal performance ratings of less than .35 U-Value. The lower the value, the less heat and cold is transmitted, the first criterion of comfort and energy savings.

Winco combines many design and materials factors that contribute to saving energy. Things like multiple layers of glass, film, gas fill, thermal edge spacer, thermal break and triple weather-stripping. Combined in an engineered thermally-broken aluminum system, utilizing Azon's Azo-Brader™, that outperforms many others.



## GREEN COMMITMENT

As a company, Winco takes an active role promoting LEED specifications and other Green initiatives. When it comes to commercial grade fenestration, aluminum is the environmentally conscious choice. After years of reliable service, 95% of all aluminum used in window installations can be recycled into new window product. We're told that it's a comfort to deal with a company that practices sustainability in manufacturing and green stewardship. Winco recycles aluminum and glass – and we source many materials, made locally. The company is located in the heart of the country, allowing many customers to realize reduced transportation costs.



AMERICAN LOCOMOTIVE  
PROVIDENCE, R.I.

# WINCO

**OUTSIDE OUR WINDOWS... AT WORK, IN SCHOOL, WHEN WE ARE AT A DOCTOR OR EVEN OUT TO DINNER... WE ARE BOMBARDED BY NOISE FROM TRAFFIC, CONSTRUCTION AND OTHER STREET SOUNDS ALONG WITH HEAT AND COLD FROM OUR CHANGING WEATHER PATTERNS.**

The windows that are used in the buildings we supply have a major influence on our personal comfort.

We... Winco Windows... understand the importance for manufacturing windows that maximize the comfort of the people that are effected by these conditions. Winco is a member of and certified by the following:

CHARTER AND FOUNDING MEMBER OF AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA) AAMA GOLD LABEL

PPG CERTIFIED FABRICATOR

FLORIDA BUILDING COUNCIL

APPROVED WINDOW MANUFACTURER U.S. GREEN BUILDING COUNCIL

MEMBER IGCC CERTIFIED PRODUCTS

AIA- CONTINUING EDUCATION PRESENTER

ALUMINUM ANODIZERS COUNCIL

CERTIFIED AAMA CLASS I & II CLEAR AND COLOR ANODIZED FINISH

CERTIFIED AZON MANUFACTURER

ADHERENCE TO AAMA QUALITY PROCESSING GUIDE FOR THERMAL Poured AND DEBRIDGED STRUCTURAL THERMAL BARRIERS (AAMA QAG.1-98)

CERTIFIED AZON AZO-BRADER™ APPLICATOR

where  
ever  
you  
plan  
to  
build



we  
are  
there

## WINCO

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