

**WAUSAU WINDOW AND WALL SYSTEMS
LEED® INFORMATION**



Project Name: ABC Building
Wausau Project No. 123456
Date: mm-dd-yy

Project Location: Any Town, USA
Submitted By: Wausau Project Manager
Customer: XYZ Glass, Inc.

LEED® 2009 Version 3 FOR NEW CONSTRUCTION and MAJOR RENOVATIONS						
Credit Category:		Energy and Atmosphere (EA)				
Credit Number:		EA Credit 1: Optimize Energy Performance				
Applicable to Project:		Yes/No				
	Test or Standard	Documentation Attached	Series 2250	Series 4250	Series SuperWall	Total Project
Basic Energy Performance						
Area (sqft)		(Refer to shop drawings)	10,000	2,500	2,500	15,000
Standardized U-Factor ("Whole window" BTU/hr-sqft-degF)	NFRC 102	Test Report or THERM 5.2 Model	0.45	0.51	0.68	0.50
SHGC COG Solar Heat Gain Coefficient	NFRC 200	Manufacturer's Literature	0.65	0.65	0.65	0.65
Notes and Qualifications:		<ol style="list-style-type: none"> Total project values are area-weighted averages. Center-of-glass (COG) SHGC's are always greater than "whole window" values. Thermal test reports and THERM 5.2 models may also be used as performance documentation for "Indoor Environmental Credit 7.2: Thermal Comfort – Design", as applicable to project. 				

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Credit Category: Materials and Resources (MR)

Credit Number: MR Credits 4.1 and 4.2: Recycled Content

Applicable to Project: Yes/No

	Weight of Component (lbs)	Certification Letters Attached	Total Project Post-Consumer Recycled Content	Total Project Pre-Consumer Recycled Content
Aluminum Extrusions	30,000	Hydro, Patrick, Gordon, Tubelite	0% to 30%	53% to 80%
Aluminum Sheet	3,000	Alcoa	1% to 15%	13% to 23%
Glass	90,000	Viracon, Oldcastle	0% to 14%	17% to 20%
Elastomers	250	Tremco, Dow, GE, ERG, Technoform, Azon	0%	0%
Hardware	1,500	AMC, Truth, Hoppe, Melron	0% to 25%	35% to 80%
Steel	5,000	Schuette Metals	23% to 59%	7% to 33%
Other (Specify)	0			
Other (Specify)	0			
Total for Project	129,750		1% to 19%	25% to 35%

Notes and Qualifications:

1. Total project values are weighted averages.
2. Quantities taken from sum of all subprojects' production order BOM's.
3. Refer to MR 4.1 and 4.2 for definitions. Pre-consumer is equivalent to post-industrial.
4. Combined calculated recycled content is post-consumer plus one-half pre-consumer. Report separate percentages herein.

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Credit Category:		Materials and Resources (MR)		
Credit Number:		MR Credits 5.1 and 5.2: Regional Materials – Extracted, Processed and Manufactured Regionally		
Applicable to Project:		No		
	Weight of Component (lbs)	Certification Letters Attached	Miles from Wausau, WI to Site	Total Project Regional Content (%)
Aluminum			1000	0%
Glass				0%
Steel				0%
Other (Specify)				
Total for Project				0%
Notes and Qualifications:		<p>All Wausau aluminum framing is extruded from secondary billet. Recycled aluminum used by Wausau's Midwestern extruder-partners is cast into secondary extrusion billet in several locations. Most of these cast houses are within 500 miles of Wausau, Wisconsin, and if the job site is also within 500 miles, framing fabricated from recycled aluminum may help projects qualify for MR Credits 5.1 and 5.2 "Regional Materials." Since the bauxite mined to make "new" aluminum is 100% imported, no primary aluminum framing material qualifies. There are certain unusual situations where glass or other infills may help contribute. More information is available at www.viracon.com.</p>		

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Credit Category:	Indoor Environmental Quality (IEQ)					
Credit Number:	IEQ Credit 2: Increased Ventilation IEQ Credit 6.2: Controllability of Systems – Thermal Comfort					
Applicable to Project:	Yes/No					
Location of Operable Vents (Elevation, Floor and/or Bay)	Occupant Hardware (Yes/No)	Vent Type (Projected, casement, hung, rolling, other)	Quantity	Avg. Width (ft-in)	Avg. Height (ft-in)	Area (sqft)
North Elevation Floors 2 thru 6	Yes/No	PI Casement	50	3'-0"	5'-0"	750
South Elevation Floors 2 thru 6	Yes/No	PI Casement	75	3'-0"	5'-0"	1,125
East/West Elevations Floors 2 thru 6	Yes/No	PI Casement	75	3'-0"	5'-0"	1,125
Penthouse	Yes/No	PI Casement	50	3'-0"	5'-0"	750
Penthouse	Yes/No	PI Hopper	10	5'-0"	3'-0"	150
Total Project			260			3,900
Notes and Qualifications:	<ol style="list-style-type: none"> 1. Refer to architectural elevations and floor plans for location of vents relative to occupied spaces. Refer to shop drawings for documentation. 2. Vent area as reported herein calculated from full opening in the plane of the glass only. Shape factor, screens, custodial locks and limited opening devices may be considered by the building mechanical engineer based on ASHRAE 62.1. 					

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Credit Category:	Indoor Environmental Quality (IEQ)				
Credit Number:	IEQ Credit 4.1 Low-Emitting Materials – Adhesives and Sealants IEQ Credit 4.2: Low-Emitting Materials – Paints and Coatings				
Applicable to Project:	No				
Notes and Qualifications:	<p>IEQ Credit 4.1 "Low-Emitting Materials – Adhesives and Sealants" applies only to sealants applied on site, and exposed to the interior. All primers, structural glazing materials, and metal-to-metal sealants recommended by Wausau for use on-site meet applicable SCAQMD Rule #1168 VOC limits.</p> <p>IEQ Credit 4.2 "Low-Emitting Materials – Paints and Coatings" specifically exempts factory baked-on finishes such as fluoropolymer, acrylic enamel and urethane paints. Residual VOC solvent content of these products is typically less than 0.3% after curing, hence they have no effect on indoor air quality.</p>				

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Credit Category:		Indoor Environmental Quality (EQ)				
Credit Number:		EQ Credit 8.1 and 8.2: Daylight and Views				
Applicable to Project:		Yes/No				
	Test or Standard	Documentation Attached	Series 2250	Series 4250	Series SuperWall	Total Project
Basic Energy Performance						
	Area (sqft)	(Refer to shop drawings)	10,000	2,500	2,500	15,000
	VLT COG Visible Light Transmittance	NFRC 200 Manufacturer's Literature	75%	75%	75%	75%
Notes and Qualifications:		<ol style="list-style-type: none"> Total project values are area-weighted averages. Center-of-glass (COG) VLT's are always greater than "whole window" values. Refer to thermal test reports and WINDOW 5.2 models for complete performance data as required. Elevation-specific glass type usage may require a separate schedule. 				

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LEED® 2009 Version 3 FOR NEW CONSTRUCTION and MAJOR RENOVATIONS	
Credit Category:	Other
Credit Number:	Other
Applicable to Project:	Yes/No
Notes and Qualifications:	<p>Energy and Atmosphere (EA) Credit 2: On-Site Renewable Energy Photovoltaic panels generate renewable electrical energy directly from sunlight, and can be readily integrated into building facades and skylights.</p> <p>Materials and Resources (MR) Credits 1.1 and 1.2: Building Re-Use Wausau provides a complete line of replacement windows and panning for historic renovation, energy upgrade, or building re-use.</p> <p>Innovation and Design Process (ID) Credits 1.1 thru 1.4 Innovation in Design Wausau design engineers are always available via e-mail for custom window and curtainwall consultation, charette, and analysis. A LEED® Accredited Professional (AP) is on-staff.</p>

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