

	Document Title: Structural Performance Certification Authorization Report	Doc No: FRM B1-02	
		Rev No: 7	Page: 1 Of: 1
Required By: PRO B1-03			

CAR & Product ID Number: 464 - 704.0
Issue Date: 2/16/2015
Revision Date: 9/30/2020
Expiration Date: 12/9/2024
Company Code: 464

This Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review, and is based on a standardized evaluation of the product conducted by an independent accredited laboratory in accordance with the specified referenced standard. Actual fenestration product performance may vary based on many factors, including installation, condition of the wall/roof substrate and the age of the product and installation components.

This report indicates the product is eligible for the application of Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at www.keystonecerts.com.

Licensee Information:	Product Information:
Viwinco, Inc. 851 Hemlock Rd, Morgantown Business Pa Morgantown, PA 19543-0499 USA	Model: SS-Cambridge Aluminum Vertical/X Mullion Operator Type: Mull Config: No Max Width: See Table Max Height: See Table

Referenced Standard:	Product Rating:
AAMA 450-10 & ASTM E1886-13a/E1996-17	See Appendix 1 Load Tables and Impact Ratings

Qualifying Test Information:	
Test Report No:	ATI-E1056.01-109-47-R1
Test Report Expiration:	12/9/2024

Authorized Signature:


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Keystone Certifications, Inc.
145 Limekiln Rd. Suite 100B
New Cumberland, Pennsylvania 17070
Phone: 717-932-8500
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Appendix 1

CAR No: 464-704.0
Expiration Date: 12/9/2024

Viwinco, Inc.

851 Hemlock Road
Morgantown Business Park
Morgantown, PA 19543

Load Tables for the:

SS-Cambridge Aluminum Vertical/X Mullion

DESIGN PRESSURE LIMITS FOR VERTICAL MULLION							
Design pressures are positive and negative							
Mullion span (in)	Tributary width (in)						
	24.00	30.00	36.00	42.00	48.00	54.00	60.00
24.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
30.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
36.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
42.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
48.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
54.00	150.0	150.0	150.0	150.0	150.0	150.0	150.0
60.00	150.0	150.0	150.0	147.2	139.5	135.3	133.9
66.00	150.0	150.0	139.5	127.5	119.6	114.5	111.6
72.00	150.0	141.0	124.0	112.5	104.6	99.2	95.7
78.00	150.0	127.5	111.6	100.7	93.0	87.5	83.7
84.00	139.5	116.5	101.5	91.1	83.7	78.3	74.4
90.00	128.8	107.1	93.0	83.2	76.1	70.9	67.0
96.00	119.6	99.2	85.9	76.5	69.8	64.7	60.9
102.00	111.6	92.4	79.7	70.9	64.4	59.5	55.8
108.00	104.6	86.4	74.4	66.0	59.8	55.1	51.5
114.00	98.5	81.2	69.8	61.7	55.1	49.9	45.9
120.00	89.3	72.1	60.8	52.8	46.9	42.4	38.9

Impact Ratings

ASTM E1996 – Wind Zone 3

Keystone Certifications, Inc.

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New Cumberland, PA 17070



Appendix 1

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Load Tables for the:

SS-Cambridge Aluminum Vertical/X Mullion

DESIGN PRESSURE LIMITS FOR THE X MULLION								
Design pressures are positive and negative								
Window height (in)	Transom height (in)	Tributary width (in)						
		24.00	30.00	36.00	42.00	48.00	54.00	60.00
36.00	18.00	120.0	120.0	120.0	120.0	120.0	120.0	119.0
42.00	18.00	120.0	120.0	120.0	120.0	120.0	112.5	103.8
48.00	18.00	120.0	120.0	120.0	118.5	107.6	98.8	91.4
54.00	18.00	120.0	120.0	119.0	105.5	95.3	87.5	81.2
60.00	18.00	120.0	120.0	107.6	95.0	85.6	78.3	72.6
66.00	18.00	120.0	114.5	98.1	86.4	77.6	70.9	65.5
72.00	18.00	120.0	105.5	90.2	79.2	71.0	64.7	59.7
78.00	18.00	119.0	97.8	83.4	73.2	65.5	59.5	54.8
80.00	18.00	116.3	95.4	81.4	71.4	63.8	58.0	53.3

DESIGN PRESSURE LIMITS FOR THE X MULLION								
Design pressures are positive and negative								
Window height (in)	Transom height (in)	Tributary width (in)						
		24.00	30.00	36.00	42.00	48.00	54.00	60.00
36.00	24.00	120.0	120.0	120.0	120.0	120.0	115.5	106.3
42.00	24.00	120.0	120.0	120.0	120.0	111.1	101.8	94.0
48.00	24.00	120.0	120.0	120.0	108.4	98.5	90.5	83.7
54.00	24.00	120.0	120.0	109.8	97.4	88.1	80.9	75.0
60.00	24.00	120.0	116.0	99.9	88.4	79.7	73.0	67.6
66.00	24.00	120.0	106.7	91.7	80.9	72.8	66.5	61.4
72.00	24.00	119.6	98.8	84.8	74.6	67.0	61.0	56.3
78.00	24.00	111.6	91.5	78.2	68.8	61.8	56.4	51.9
80.00	24.00	106.9	87.6	74.9	65.8	59.1	53.9	49.8



Appendix 1

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SS-Cambridge Aluminum Vertical/X Mullion

DESIGN PRESSURE LIMITS FOR THE X MULLION								
Design pressures are positive and negative								
Window height (in)	Transom height (in)	Tributary width (in)						
		24.00	30.00	36.00	42.00	48.00	54.00	60.00
36.00	30.00	120.0	120.0	120.0	120.0	113.0	103.4	95.3
42.00	30.00	120.0	120.0	120.0	110.7	100.7	92.4	85.3
48.00	30.00	120.0	120.0	111.1	99.2	90.2	82.9	76.7
54.00	30.00	120.0	116.5	101.1	89.9	81.4	74.8	69.4
60.00	30.00	120.0	107.1	92.7	82.2	74.2	68.0	63.0
66.00	30.00	119.6	99.2	85.6	75.7	68.2	62.3	57.6
72.00	30.00	111.6	92.4	79.5	70.1	63.0	57.5	53.0
78.00	30.00	101.1	82.8	70.6	61.9	55.4	50.4	46.4
80.00	30.00	97.1	79.5	67.7	59.4	53.1	48.3	44.5

DESIGN PRESSURE LIMITS FOR THE X MULLION								
Design pressures are positive and negative								
Window height (in)	Transom height (in)	Tributary width (in)						
		24.00	30.00	36.00	42.00	48.00	54.00	60.00
36.00	36.00	120.0	120.0	120.0	111.6	101.5	93.0	85.9
42.00	36.00	120.0	120.0	111.6	100.3	91.4	84.0	77.6
48.00	36.00	120.0	116.5	101.5	90.8	82.7	76.1	70.5
54.00	36.00	120.0	107.1	93.0	82.9	75.2	69.2	64.2
60.00	36.00	119.6	99.2	85.9	76.3	69.0	63.3	58.7
66.00	36.00	111.6	92.4	79.7	70.7	63.8	58.4	53.8
72.00	36.00	103.5	84.6	72.1	63.2	56.5	51.3	47.2
78.00	36.00	91.9	75.0	63.9	55.9	50.0	45.3	41.7
80.00	36.00	88.4	72.2	61.4	53.8	48.0	43.6	40.0

Impact Ratings

ASTM E1996 – Wind Zone 3

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