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|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------|---------------|
|  | Document Title:<br><b>Structural Performance<br/>Certification<br/>Authorization Report</b> | Doc No: <b>FRM B1-02</b> |               |
|                                                                                   |                                                                                             | Rev No: 7                | Page: 1 Of: 1 |
| Required By: PRO B1-03                                                            |                                                                                             |                          |               |

CAR & Product ID Number: 464 - 705.0  
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](http://www.keystonecerts.com).

|                                                                                             |                                                                                                                                |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Licensee Information:</b>                                                                | <b>Product Information:</b>                                                                                                    |
| Viwinco, Inc.<br>851 Hemlock Rd, Morgantown Business Pa<br>Morgantown, PA 19543-0499<br>USA | Model: SS-Cambridge Aluminum H/T Mullion<br>Operator Type: Mull<br>Config: No<br>Max Width: See Table<br>Max Height: See Table |
| <b>Referenced Standard:</b>                                                                 | <b>Product Rating:</b>                                                                                                         |
| AAMA 450-10 & ASTM E1886-13a/E1996-17                                                       | See Appendix 1 Load Tables and Impact Ratings                                                                                  |

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

**Authorized Signature:**



2020.09.30

13:12:56 -04'00'

**Keystone Certifications, Inc.**

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

CAR No: 464-705.0

Expiration Date:

12/9/2024

## Viwinco, Inc.

851 Hemlock Road  
Morgantown Business Park  
Morgantown, PA 19543

Load Tables for the:

### SS-Cambridge Aluminum H/T Mullion

| DESIGN PRESSURE LIMITS FOR HORIZONTAL MULLION TWIN<br>W/TRANSOM |         |                               |       |       |       |       |       |       |
|-----------------------------------------------------------------|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Design pressures are positive and negative                      |         |                               |       |       |       |       |       |       |
| Height (in)                                                     |         | Span and Tributary width (in) |       |       |       |       |       |       |
|                                                                 |         | 24.00                         | 36.00 | 48.00 | 60.00 | 72.00 | 84.00 | 96.00 |
| Window                                                          | Transom | 12.00                         | 18.00 | 24.00 | 30.00 | 36.00 | 42.00 | 48.00 |
| 24.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 124.2 |
| 30.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 150.0 | 141.0 | 109.7 |
| 36.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 150.0 | 129.4 | 98.7  |
| 42.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 146.4 | 120.7 | 90.0  |
| 48.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 137.4 | 113.5 | 83.0  |
| 54.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 129.4 | 104.1 | 77.2  |
| 60.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 122.3 | 96.1  | 72.1  |
| 66.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 144.0 | 116.0 | 89.2  | 67.6  |
| 72.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 136.7 | 110.2 | 83.3  | 63.7  |
| 78.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 130.0 | 105.0 | 78.0  | 59.7  |
| 80.00                                                           | 18.00   | 150.0                         | 150.0 | 150.0 | 128.0 | 103.4 | 76.4  | 58.5  |



# Appendix 1

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Load Tables for the:  
**SS-Cambridge Aluminum H/T Mullion**

| DESIGN PRESSURE LIMITS FOR HORIZONTAL MULLION TWIN W/TRANSOM |         |                               |       |       |       |       |       |       |
|--------------------------------------------------------------|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Design pressures are positive and negative                   |         |                               |       |       |       |       |       |       |
| Height (in)                                                  |         | Span and Tributary width (in) |       |       |       |       |       |       |
|                                                              |         | 24.00                         | 36.00 | 48.00 | 60.00 | 72.00 | 84.00 | 96.00 |
| Window                                                       | Transom | 12.00                         | 18.00 | 24.00 | 30.00 | 36.00 | 42.00 | 48.00 |
| 24.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 150.0 | 139.5 | 109.6 |
| 30.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 150.0 | 126.9 | 98.1  |
| 36.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 142.5 | 117.5 | 89.2  |
| 42.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 133.9 | 110.2 | 82.1  |
| 48.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 126.3 | 104.2 | 76.2  |
| 54.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 149.6 | 119.6 | 96.6  | 71.3  |
| 60.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 141.7 | 113.5 | 89.6  | 66.9  |
| 66.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 134.6 | 108.0 | 83.6  | 63.1  |
| 72.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 128.2 | 103.0 | 78.3  | 59.6  |
| 78.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 122.3 | 98.5  | 73.7  | 56.3  |
| 80.00                                                        | 24.00   | 150.0                         | 150.0 | 150.0 | 120.5 | 97.0  | 72.3  | 55.3  |

| DESIGN PRESSURE LIMITS FOR HORIZONTAL MULLION TWIN W/TRANSOM |         |                               |       |       |       |       |       |       |
|--------------------------------------------------------------|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Design pressures are positive and negative                   |         |                               |       |       |       |       |       |       |
| Height (in)                                                  |         | Span and Tributary width (in) |       |       |       |       |       |       |
|                                                              |         | 24.00                         | 36.00 | 48.00 | 60.00 | 72.00 | 84.00 | 96.00 |
| Window                                                       | Transom | 12.00                         | 18.00 | 24.00 | 30.00 | 36.00 | 42.00 | 48.00 |
| 24.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 150.0 | 126.9 | 98.4  |
| 30.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 141.0 | 116.5 | 89.1  |
| 36.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 131.9 | 108.4 | 81.7  |
| 42.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 124.6 | 102.2 | 75.6  |
| 48.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 148.8 | 118.0 | 97.0  | 70.7  |
| 54.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 141.0 | 112.1 | 90.3  | 66.4  |
| 60.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 133.9 | 106.7 | 84.2  | 62.6  |
| 66.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 127.5 | 101.8 | 78.9  | 59.2  |
| 72.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 121.8 | 97.4  | 74.2  | 56.2  |
| 78.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 116.5 | 93.3  | 70.0  | 53.4  |
| 80.00                                                        | 30.00   | 150.0                         | 150.0 | 150.0 | 114.8 | 92.0  | 68.7  | 52.5  |



# Appendix 1

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Load Tables for the:

## SS-Cambridge Aluminum H/T Mullion

| DESIGN PRESSURE LIMITS FOR HORIZONTAL MULLION TWIN W/TRANSOM |         |                               |       |       |       |       |       |       |
|--------------------------------------------------------------|---------|-------------------------------|-------|-------|-------|-------|-------|-------|
| Design pressures are positive and negative                   |         |                               |       |       |       |       |       |       |
| Height (in)                                                  |         | Span and Tributary width (in) |       |       |       |       |       |       |
|                                                              |         | 24.00                         | 36.00 | 48.00 | 60.00 | 72.00 | 84.00 | 96.00 |
| Window                                                       | Transom | 12.00                         | 18.00 | 24.00 | 30.00 | 36.00 | 42.00 | 48.00 |
| 24.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 142.5 | 117.5 | 89.7  |
| 30.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 131.9 | 108.4 | 81.9  |
| 36.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 150.0 | 124.0 | 101.5 | 75.6  |
| 42.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 149.6 | 117.5 | 96.0  | 70.4  |
| 48.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 141.7 | 111.6 | 91.3  | 66.1  |
| 54.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 134.6 | 106.3 | 85.1  | 62.3  |
| 60.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 128.2 | 101.5 | 79.6  | 59.0  |
| 66.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 122.3 | 97.0  | 74.8  | 55.9  |
| 72.00                                                        | 36.00   | 150.0                         | 150.0 | 150.0 | 117.0 | 93.0  | 70.6  | 53.2  |
| 78.00                                                        | 36.00   | 150.0                         | 150.0 | 148.8 | 112.1 | 89.3  | 66.8  | 50.8  |
| 80.00                                                        | 36.00   | 150.0                         | 150.0 | 146.6 | 110.5 | 88.1  | 65.6  | 50.0  |

## Impact Ratings

ASTM E1996 – Wind Zone 3