

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

CAR & Product ID Number: 622 - 108.0
Issue Date: 12/29/2016
Revision Date: 1/12/2017
Expiration Date: 6/6/2020
Company Code: 622

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:
Eastern Architectural Systems 16341 Domestic Avenue Fort Myers FL 33912	Model: 176 HVHZ T-Mullion Operator Type: Mull Config: No Reinforcement Max Width: See Table Max Height: See Table

Referenced Standard:	Product Rating:
AAMA 450-10 & PATAS 201/202/203	See Appendix 1 Load Tables and Impact Ratings

Qualifying Test Information:	
Test Report No:	NCTL-210-4032-2
Test Report Expiration:	6/6/2020

Authorized Signature:

Keystone Certifications, Inc.
564 Old York Road, Suite 5
Etters, Pennsylvania 17319
Phone: 717-932-8500
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Appendix 1

CAR No: 622-108.0
Expiration Date: 06/06/2020

Eastern Architectural Systems

10030 Bavaria Road
Fort Myers, FL 33913

Load Tables for the:

176 HVHZ T-Mullion

MAXIMUM DESIGN PRESSURE CAPACITY CHART (psf)

Units with 18" transom

(Design pressures are positive and negative)

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
36.00	18.00	150.0	150.0	150.0	137.0	92.3	61.1	42.5
42.00	18.00	150.0	150.0	150.0	128.0	84.4	55.7	38.7
48.00	18.00	150.0	150.0	150.0	120.1	77.9	51.4	35.6
54.00	18.00	150.0	150.0	141.1	113.2	72.4	47.8	33.1
60.00	18.00	150.0	150.0	133.1	107.0	67.5	44.6	30.9
66.00	18.00	150.0	150.0	125.9	100.2	63.3	41.9	29.1
72.00	18.00	150.0	150.0	119.5	93.5	59.6	39.4	27.4
78.00	18.00	150.0	147.3	113.7	87.6	56.3	37.3	25.9
84.00	18.00	150.0	140.3	108.5	82.5	53.3	35.3	24.6
90.00	18.00	150.0	133.9	103.7	77.9	50.6	33.6	23.4
96.00	18.00	150.0	128.0	99.3	73.7	48.2	32.0	22.3

Impact Ratings

PA/TAS 201/203 – Large and Small Missile Impact Rated up Wind Zone 4 and HVHZ



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Eastern Architectural Systems

10030 Bavaria Road
Fort Myers, FL 33913

Load Tables for the:

176 HVHZ T-Mullion

MAXIMUM DESIGN PRESSURE CAPACITY CHART (psf)

Units with 24" transom

(Design pressures are positive and negative)

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
36.00	24.00	150.0	150.0	150.0	124.6	83.5	55.2	38.4
42.00	24.00	150.0	150.0	147.3	117.1	77.0	50.8	35.3
48.00	24.00	150.0	150.0	138.6	110.5	71.6	47.2	32.7
54.00	24.00	150.0	150.0	130.9	104.6	66.8	44.1	30.6
60.00	24.00	150.0	150.0	123.9	99.3	62.7	41.4	28.7
66.00	24.00	150.0	150.0	117.7	94.0	59.0	39.0	27.1
72.00	24.00	150.0	146.4	112.1	88.1	55.8	36.9	25.6
78.00	24.00	150.0	139.4	107.0	82.9	52.9	35.0	24.3
84.00	24.00	150.0	133.1	102.3	78.2	50.2	33.3	23.1
90.00	24.00	150.0	127.3	98.0	74.1	47.9	31.7	22.1
96.00	24.00	150.0	122.0	94.1	70.4	45.7	30.3	21.1

Impact Ratings

PA/TAS 201/203 – Large and Small Missile Impact Rated up Wind Zone 4 and HVHZ



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Load Tables for the:

176 HVHZ T-Mullion

MAXIMUM DESIGN PRESSURE CAPACITY CHART (psf)

Units with 30" transom

(Design pressures are positive and negative)

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
36.00	30.00	150.0	150.0	146.4	115.4	76.6	50.6	35.1
42.00	30.00	150.0	150.0	137.8	109.0	71.1	46.8	32.5
48.00	30.00	150.0	150.0	130.1	103.2	66.4	43.7	30.3
54.00	30.00	150.0	150.0	123.3	98.0	62.3	41.1	28.4
60.00	30.00	150.0	150.0	117.1	93.3	58.7	38.7	26.8
66.00	30.00	150.0	147.3	111.6	88.9	55.5	36.6	25.4
72.00	30.00	150.0	140.3	106.5	83.6	52.6	34.8	24.1
78.00	30.00	150.0	133.9	101.9	78.9	50.0	33.1	23.0
84.00	30.00	150.0	128.0	97.6	74.6	47.7	31.5	21.9
90.00	30.00	150.0	122.6	93.7	70.9	45.5	30.1	20.9
96.00	30.00	150.0	117.7	90.1	67.4	43.6	28.9	20.1

Impact Ratings

PA/TAS 201/203 – Large and Small Missile Impact Rated up Wind Zone 4 and HVHZ



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Load Tables for the:

176 HVHZ T-Mullion

MAXIMUM DESIGN PRESSURE CAPACITY CHART (psf)

Units with 36" transom

(Design pressures are positive and negative)

Height (in)		Span and Tributary width (in)						
		36.00	48.00	60.00	72.00	84.00	96.00	108.00
Window	Transom	18.00	24.00	30.00	36.00	42.00	48.00	54.00
36.00	36.00	150.0	150.0	138.6	108.5	71.1	46.8	32.5
42.00	36.00	150.0	150.0	130.9	102.7	66.3	43.6	30.2
48.00	36.00	150.0	150.0	123.9	97.6	62.2	40.9	28.3
54.00	36.00	150.0	150.0	117.7	93.0	58.6	38.6	26.7
60.00	36.00	150.0	150.0	112.1	88.7	55.4	36.5	25.3
66.00	36.00	150.0	142.8	107.0	84.6	52.5	34.6	24.0
72.00	36.00	150.0	136.2	102.3	79.8	49.9	33.0	22.8
78.00	36.00	150.0	130.1	98.0	75.5	47.6	31.4	21.8
84.00	36.00	150.0	124.6	94.1	71.6	45.5	30.0	20.8
90.00	36.00	150.0	119.5	90.4	68.1	43.5	28.8	20.0
96.00	36.00	150.0	114.8	87.1	65.0	41.7	27.6	19.2

Impact Ratings

PA/TAS 201/203 – Large and Small Missile Impact Rated up Wind Zone 4 and HVHZ