



[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

OFFICE OF THE
SECRETARY

FL # FL27402-R1
Application Type Revision
Code Version 2017
Application Status Approved

Comments
Archived

Product Manufacturer Carports Anywhere
Address/Phone/Email 10858 S.E. County Road 221
Starke, FL
(352) 468-1116
bodom@carportsanywhere.com

Authorized Signature Brandie Odom
bodom@carportsanywhere.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category Structural Components
Subcategory Roof Deck

Compliance Method Evaluation Report from a Florida Registered Architect or a Licensed
Florida Professional Engineer
Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report Terrence E. Wolfe
Florida License PE-44923
Quality Assurance Entity PRI Construction Materials Technologies, LLC.
Quality Assurance Contract Expiration Date 06/23/2023
Validated By Brian Jaks, P.E.
Validation Checklist - Hardcopy Received

Certificate of Independence [FL 27402 R1 COI Letter of Certification.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM E 1592	2005
	FM 4471	1992

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted	08/08/2019
Date Validated	08/09/2019
Date Pending FBC Approval	08/26/2019
Date Approved	10/15/2019

Summary of Products

FL #	Model, Number or Name	Description
27402.1	Hampton Rib Roof Panel	Hampton Rib Roof Panel over Open Framing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +46.9 psf/-57.3 psf Other: See evaluation report for various design pressures Install per Manufacturer's details. Not for use in HVHZ Zones.		Installation Instructions FL 27402 RI II Hampton Rib Roof Panel over open framing.pdf Verified By: Terrence E. Wolfe, P.E. 44923 Created by Independent Third Party: Yes Evaluation Reports FL 27402 RI AE Hampton Rib Roof Panel over open framing.pdf Created by Independent Third Party: Yes



Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-467-1824

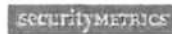
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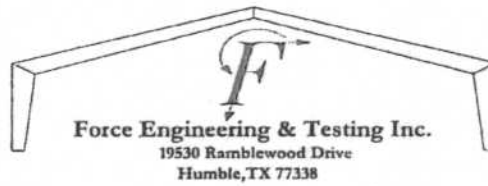
Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



Credit Card
Safe





Product Evaluation Report
CARPORTS ANYWHERE

Hampton Rib Roof Panel over open framing

Florida Product Approval # 27402.1 R1

Florida Building Code 2017

Per Rule 61G20-3

Method: 1-D

Category: Structural Components

Subcategory: Roof Deck

Compliance Method: 61G20-3.005(1)(d)

NON HVHZ

Product Manufacturer:

Carport Anywhere
10858 S.E. County Road 221
Starke, Florida 32091

Engineer Evaluator:

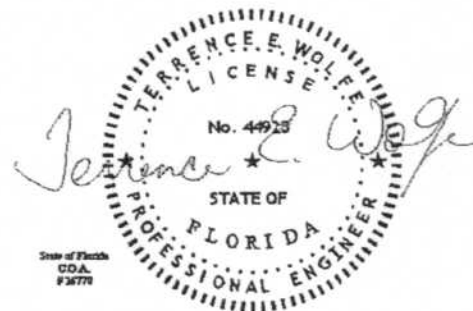
Terrence E. Wolfe, P.E. # 44923
Florida Evaluation ANE ID: 1920

Validator:

Brian Jaks, P.E. #70159

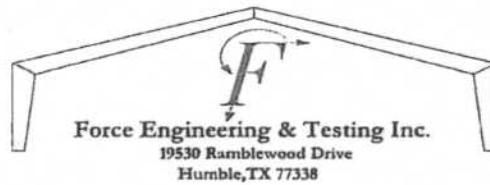
Contents:

Evaluation Report Pages 1-4



FL# 27402.1 R1

August 8, 2019



Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2017, Sections 1504.3.2, 1504.7.

Product Description: Hampton Rib 26 Ga. and 29 Ga. Steel Roof Panel, 36" Wide, through fastened structural roof panel. Structural Application.

Panel Material/Standards: Material:
 26 Ga. Steel, ASTM A792 or ASTM A653 G90 Grade 50
 29 Ga. Steel, ASTM A792 or ASTM A653 G90 Grade 80
 Conforming to Florida Building Code 2017 Section 1507.4.3. Optional paint finish.
 Corrosion Resistance: Panel Material shall comply with Florida Building Code 2017, Section 1507.4.3.

Panel Dimension(s): Thickness: 26 Ga.: 0.0185" min. order thickness
 29 Ga.: 0.0142" min. order thickness
 Width: 36" maximum coverage
 Rib Height: 3/4" major rib at 9" O.C.
 Panel Rollformer: MRS Metal Rollforming Systems

Panel Fastener: #12-14 x 3/4" HWH SD#3 with 14mm neoprene bonded washing or approved equal.
 Corrosion Resistance: Per Florida Building Code 2017, Section 1507.4.4.

Substrate Description: Minimum 14 Ga. (Grade 50) Steel framing, Minimum 16 Ga. (Grade 50) Steel framing, or Minimum 18 Ga. (Grade 50) Steel framing. See Table A & B for steel gauge. Framing must be designed in accordance w/ Florida Building Code 2017.

Allowable Design Pressures:

Table "A" 26 Ga. Hampton Rib Roof Panel

Maximum Design Pressure:	-57.3 psf	-72.9 psf	-67.7 psf	+46.9 psf	+54.7 psf
Panel Fastener Pattern:	2-1-2-1	2-1-2-1	2-1-2-1	2-1-2-1	2-1-2-1
Panel Span:	5'-0" O.C.	4'-0" O.C.	4'-0" O.C.	5'-0" O.C.	4'-0" O.C.
Substrate:	Min. 14 Ga. Steel Framing	Min. 14 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 18 Ga. Steel Framing

*Design Pressure includes a Safety Factor = 2.0.



FL# 27402.1 R1

August 8, 2019

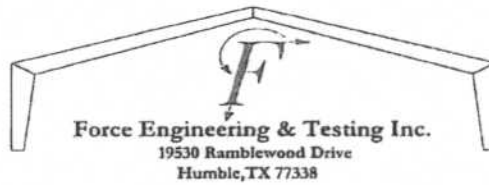


Table "B" 29 Ga. Hampton Rib Roof Panel

Maximum Design Pressure:	-57.3 psf	-150.9 psf	+39.0 psf	+143.1 psf
Fastener Pattern:	6"-3"-6"-3"-6"-3"-6"	6"-3"-6"-3"-6"-3"-6"	6"-3"-6"-3"-6"-3"-6"	6"-3"-6"-3"-6"-3"-6"
Fastener Spacing:	4'-0" O.C.	2'-0" O.C.	4'-0" O.C.	2'-0" O.C.
Substrate:	Min. 16 Ga. Steel Framing	Min. 16 Ga. Steel Framing	Min. 16 Ga. Steel Framing	Min. 16 Ga. Steel Framing

*Design Pressure includes a Safety Factor = 2.0.

Code Compliance: The product described herein has demonstrated compliance with The Florida Building Code 2017, Section 1504.3.2, 1504.7.

Evaluation Report Scope: The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2017, as relates to Rule 61G20-3.

Performance Standards: The product described herein has demonstrated compliance with:

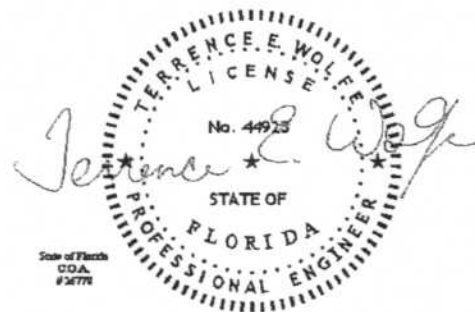
- ASTM E 1592-05 (2012) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference
- FM 4471-92 - Foot Traffic Resistance Test

Reference Data:

1. ASTM E 1592-05 (2012) Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 667-0060T-18A-E, 667-0061T-18A-D
2. FM 4471-10, Section 4.4 Foot Traffic Resistance Test
Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
Report No. 667-0060T-18F, 667-0061T-18E
3. Certificate of Independence
By Terrence E. Wolfe, P.E. (No. 44923) @ Force Engineering & Testing, Inc.
(FBC Organization # ANE ID: 1920)

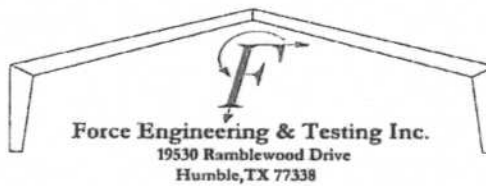
Test Standard Equivalency: The FM 4471-10, Foot Traffic Resistance test standard is equivalent to FM 4471-92.

Quality Assurance Entity: The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for



FL# 27402.1 R1

August 8, 2019



Minimum Slope Range:

manufacturing under a quality assurance program audited by an approved quality assurance entity. Minimum Slope shall comply with Florida Building Code 2017, including Section 1507.4.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must be used in the panel side laps.

Installation:

Install per manufacturer's recommended details.

Insulation:

Manufacturer's approved product (Optional)

Roof Panel Fire Classification:

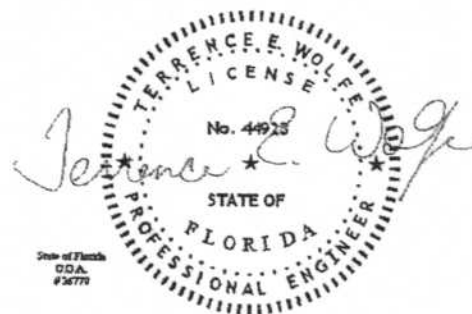
Fire classification is not part of this acceptance.

Shear Diaphragm:

Shear diaphragm values are outside the scope of this report.

Design Procedure:

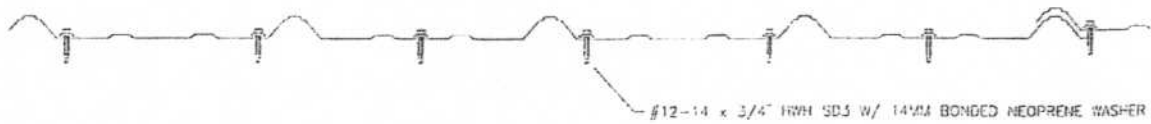
Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2017 for roof cladding wind loads. These component wind loads for roof cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2017 Chapter 22 for steel, and Chapter 16 for structural loading.



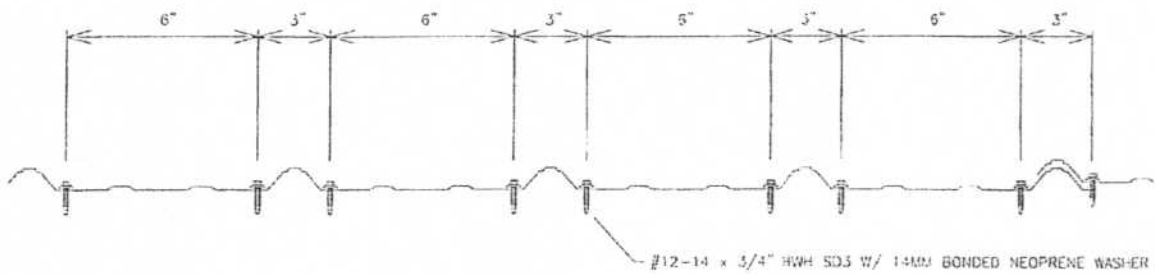
FL# 27402.1 R1

August 8, 2019

26 GA. HAMPTON RIB FASTENER PATTERN 2-1-2-1



29 GA. HAMPTON RIB FASTENER PATTERN 6"-3"-6"-3"-6"-3"-6"-3"



State of Florida
C.O.A.
26778



August 8, 2019



[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > [Application Detail](#)

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FL #	FL27403-R1
Application Type	Revision
Code Version	2017
Application Status	Approved
Comments	
Archived	
Product Manufacturer	Carports Anywhere
Address/Phone/Email	10858 S.E. County Road 221 Starke, FL (352) 468-1116 bodom@carportsanywhere.com
Authorized Signature	Brandie Odom bodom@carportsanywhere.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
Category	Structural Components
Subcategory	Structural Wall
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Terrence E. Wolfe
Florida License	PE-44923
Quality Assurance Entity	PRI Construction Materials Technologies, LLC.
Quality Assurance Contract Expiration Date	06/13/2023
Validated By	Brian Jaks, P.E. Validation Checklist - Hardcopy Received
Certificate of Independence	FL27403 R1 COI Letter of Certification.pdf
Referenced Standard and Year (of Standard)	
Equivalence of Product Standards Certified By	
Sections from the Code	1709.2
Product Approval Method	Method 2 Option B

Date Submitted	08/08/2019
Date Validated	08/09/2019
Date Pending FBC Approval	08/26/2019
Date Approved	10/15/2019

Summary of Products

FL #	Model, Number or Name	Description
27403.1	Hampton Rib Wall Panel	Hampton Rib Wall Panel over open Framing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +46.9 psf/-57.3 psf Other: See Evaluation Report for various Design Pressures. Install per Manufacturer's Details. Not for use in HVHZ Zones.		Installation Instructions FL 27403 R1 II Hampton Rib Wall Panel over open framing.pdf Verified By: Terrence E. Wolfe, P.E. 44923 Created by Independent Third Party: Yes Evaluation Reports FL 27403 R1 AE Hampton Rib Wall Panel over open framing.pdf Created by Independent Third Party: Yes
27403.2	Resi-Lap Siding Wall Panel	Resi-Lap Siding Wall Panel over open Framing
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +40.0 psf/-37.0 psf Other: +40.0 psf at 4'-0" o.c. -37.0 psf at 4'-0" o.c. Install per Manufacturer's Details. Not for use in HVHZ Zones.		Installation Instructions FL 27403 R1 II Resi-Lap Wall Panel.pdf Verified By: Terrence E. Wolfe, P.E. 44923 Created by Independent Third Party: Yes Evaluation Reports FL 27403 R1 AE Resi-Lap Wall Panel.pdf Created by Independent Third Party: Yes



Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-467-1824

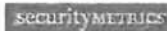
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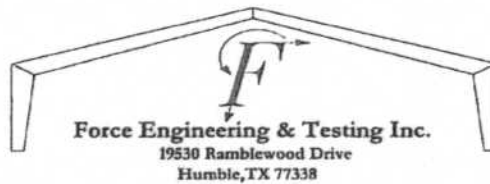
Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



Credit Card
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Product Evaluation Report
CARPORTS ANYWHERE

Hampton Rib Wall Panel over open framing

Florida Product Approval # 27403.1 R1

Florida Building Code 2017

Per Rule 61G20-3

Method: 2-B

Category: Structural Components

Subcategory: Structural Wall

Compliance Method: 61G20-3.005(2)(b)

NON HVHZ

Product Manufacturer:

Carport Anywhere

10858 S.E. County Road 221

Starke, Florida 32091

Engineer Evaluator:

Terrence E. Wolfe, P.E. # 44923

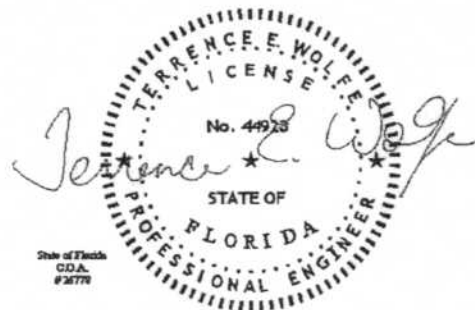
Florida Evaluation ANE ID: 1920

Validator:

Brian Jaks, P.E. #70159

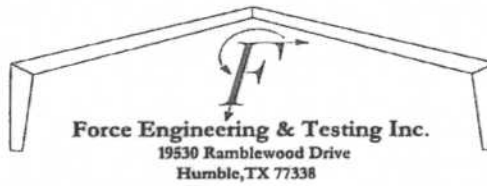
Contents:

Evaluation Report Pages 1- 4



FL# 27403.1 R1

August 8, 2019



Compliance Statement: The product as described in this report has demonstrated compliance with the Florida Building Code 2017, Sections 1709.2.

Product Description: Hampton Rib 26 Ga. and 29 Ga. Steel Wall Panel, 36" Wide, through fastened structural wall panel. Structural Application.

Panel Material/Standards: Material:
26 Ga. Steel, ASTM A792 or ASTM A653 G90 Grade 50
29 Ga. Steel, ASTM A792 or ASTM A653 G90 Grade 80
Conforming to Florida Building Code 2017 Section 1405.2.

Panel Dimension(s): Thickness: 26 Ga.: 0.0185" min. order thickness
29 Ga.: 0.0142" min. order thickness
Width: 36" maximum coverage
Rib Height: 3/4" major rib at 9" O.C.
Panel Rollformer: MRS Metal Rollforming Systems

Panel Fastener: #12-14 x 3/4" HWH SD#3 with 14mm neoprene bonded washing or approved equal.
Corrosion Resistance: Per Florida Building Code 2017.

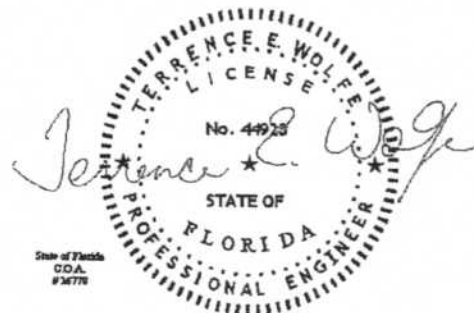
Substrate Description: Minimum 14 Ga. (Grade 50) Steel framing, Minimum 16 Ga. (Grade 50) Steel framing, or Minimum 18 Ga. (Grade 50) Steel framing. See Table A & B for steel gauge. Framing must be designed in accordance w/ Florida Building Code 2017.

Allowable Design Pressures:

Table "A" 26 Ga. Hampton Rib Wall Panel

Maximum Design Pressure:	-57.3 psf	-72.9 psf	-67.7 psf	+46.9 psf	+54.7 psf
Panel Fastener Pattern:	2-1-2-1	2-1-2-1	2-1-2-1	2-1-2-1	2-1-2-1
Panel Span:	5'-0" O.C.	4'-0" O.C.	4'-0" O.C.	5'-0" O.C.	4'-0" O.C.
Substrate:	Min. 14 Ga. Steel Framing	Min. 14 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 18 Ga. Steel Framing

*Design Pressure includes a Safety Factor = 2.0.



FL# 27403.1 RI

August 8, 2019

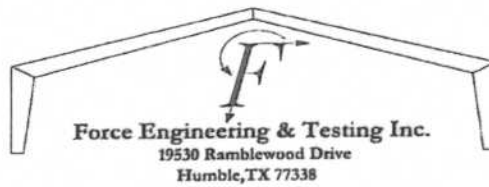
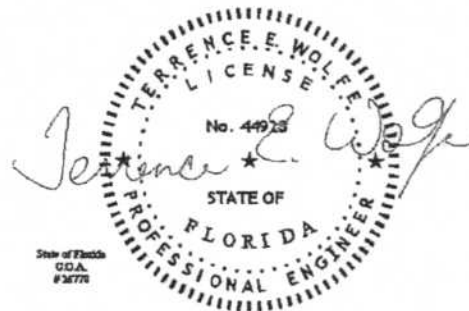


Table "B" 29 Ga. Hampton Rib Wall Panel

Maximum Design Pressure:	-57.3 psf	-150.9 psf	+39.0 psf	+143.1 psf
Fastener Pattern:	6"-3"-6"-3"-6"-3"-6"	6"-3"-6"-3"-6"-3"-6"	6"-3"-6"-3"-6"-3"-6"	6"-3"-6"-3"-6"-3"-6"
Fastener Spacing:	4'-0" O.C.	2'-0" O.C.	4'-0" O.C.	2'-0" O.C.
Substrate:	Min. 16 Ga. Steel Framing	Min. 16 Ga. Steel Framing	Min. 16 Ga. Steel Framing	Min. 16 Ga. Steel Framing

*Design Pressure includes a Safety Factor = 2.0.

Code Compliance:	The product described herein has demonstrated compliance with The Florida Building Code 2017, Section 1709.2.
Evaluation Report Scope:	The product evaluation is limited to compliance with the structural wind load requirements of the Florida Building Code 2017, as relates to Rule 61G20-3.
Performance Standards:	The product described herein has demonstrated compliance with: ASTM E 1592-05 (2012) Test method for structural performance of sheet metal roof and siding systems by uniform static air pressure difference
Reference Data:	- ASTM E 1592-05 (2012) Test Force Engineering & Testing, Inc. (FBC Organization # TST-5328) Report No. 667-0060T-18A-E, 667-0061T-18A-D - Certificate of Independence By Terrence E. Wolfe, P.E. (No. 44923) @ Force Engineering & Testing, Inc. (FBC Organization # ANE ID: 1920)
Quality Assurance Entity:	The manufacturer has established compliance of roof panel products in accordance with the Florida Building Code and Rule 61G20-3.005 (3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.
Installation:	Install per manufacturer's recommended details.
Insulation:	Manufacturer's approved product (Optional)
Panel Fire Classification:	Fire classification is not part of this acceptance.



FL# 27403.1 R1

August 8, 2019

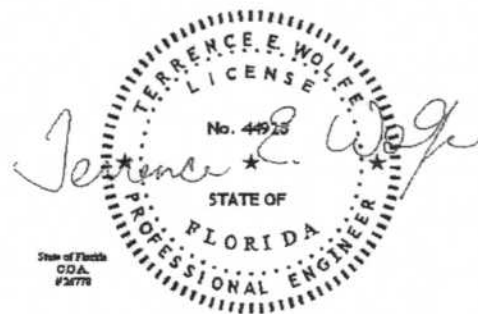


Shear Diaphragm:

Shear diaphragm values are outside the scope of this report.

Design Procedure:

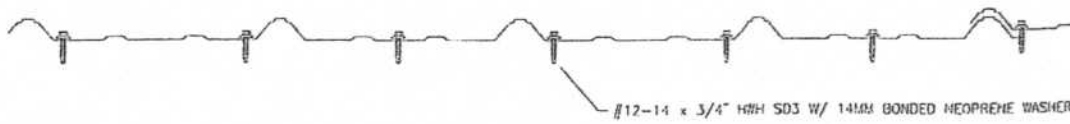
Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2017 for wall cladding wind loads. These component wind loads for wall cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate erection details to reference in his drawings for proper fastener attachment to his structure and analyze the panel fasteners for pullout and pullover. Support framing must be in compliance with Florida Building Code 2017 Chapter 22 for steel, and Chapter 16 for structural loading.



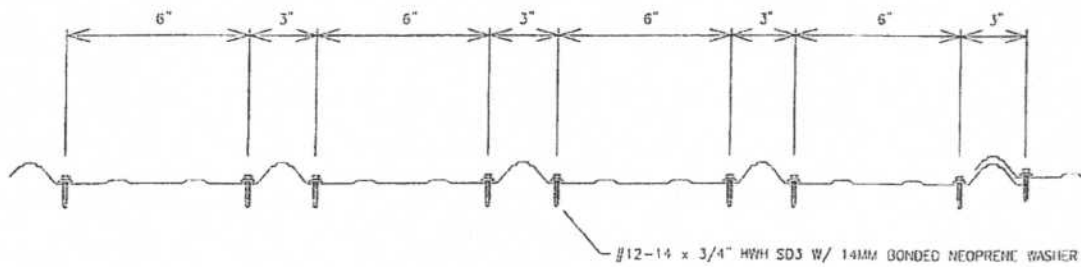
FL# 27403.1 R1

August 8, 2019

26 GA. HAMPTON RIB FASTENER PATTERN 2-1-2-1



29 GA. HAMPTON RIB FASTENER PATTERN 6"-3"-6"-3"-6"-3"-6"



State of Florida
C.O.A.
25778

E. Wolfe

August 8, 2019



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE
SECRETARY

FL # FL17996-R1
Application Type Affirmation
Code Version 2017
Application Status Approved

Comments
Archived

Product Manufacturer Elixir Door and Metal Company
Address/Phone/Email 1215 Pope Drive
Douglas, GA 31533
(912) 493-2215
ryarberry@elixirdmc.com

Authorized Signature Randall Yarberry
ryarberry@elixirdmc.com

Technical Representative PTC Product Design Group
Address/Phone/Email PO Box 520775
Longwood, FL 32752
(321) 690-1788
info@ptc-corp.com

Quality Assurance Representative
Address/Phone/Email

Category Exterior Doors
Subcategory Swinging Exterior Door Assemblies

Compliance Method Certification Mark or Listing

Certification Agency American Architectural Manufacturers Association
Validated By American Architectural Manufacturers Association

Referenced Standard and Year (of Standard)

Standard	Year
ASTM E330	2002

Equivalence of Product Standards
Certified By

I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity Yes No N/A

[FL17996 R1 COC Affirmation FL17996 418-1208 ss.pdf](#)

Product Approval Method Method 1 Option A

Date Submitted
Date Validated
Date Pending FBC Approval
Date Approved

01/29/2018
01/29/2018

02/04/2018

Summary of Products

Go to Page 1

Page 1 / 2

FL #	Model, Number or Name	Description
17996.1	Series 202-20S Steel Door	Series 202-20S Steel O.S. Door w/ Vertical Slider Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR 202-20S Vertical Slider ASTM E330 plus5.pdf Quality Assurance Contract Expiration Date 12/03/2018 Installation Instructions FL17996 R1 II ELIX0034 Rev A Series 202-20S SS.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE PER 1642 Rev3 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.2	Series 230 W9 Steel Door	Series 230 W9 Steel O.S. Door w/ Cottage Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR 230 W9 Cottage ASTM E330 plus5.pdf Quality Assurance Contract Expiration Date 12/03/2018 Installation Instructions FL17996 R1 II ELIX0033 Rev A Series 230 W9 SS.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE PER 1642 Rev3 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.3	Series 402-14	Vinyl Steel Out-Swinging Regular Door - 14"x14" Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR 402-14 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/14/2020 Installation Instructions FL17996 R1 II ELIX0050 REV-A OS MODEL 402-14 ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE PER 1951 Rev1a 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.4	Series 402-20S	Vinyl Steel Out-swinging Regular Door - 20" slider window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-45 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR 402-20S E330 plus5.pdf Quality Assurance Contract Expiration Date 09/14/2020 Installation Instructions FL17996 R1 II ELIX0051 REV-A OS MODEL 402-20S ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE PER 1951 Rev1a 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.5	Series 407	Vinyl Steel Out-swinging Regular Door - Blank (no window)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-45 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR 407 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/14/2020 Installation Instructions FL17996 R1 II ELIX0052 REV-A OS MODEL 407 ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE PER 1951 Rev1a 415-0705 ss.pdf Created by Independent Third Party: Yes

17996.6	Series 430 W9	Vinyl Steel Out-swinging Regular Door - 9-Lite Window (1'8" x 3'0")
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +33/-40 Other:		Certification Agency Certificate FL17996_R1_C_CAC_FXR_430-W9_E330_plus5.pdf Quality Assurance Contract Expiration Date 09/14/2020 Installation Instructions FL17996_R1_IL_ELIX0053_Rev-A_OS_MODEL_430-W9_ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996_R1_AE_PER_1951_Rev1a_415-0705_ss.pdf Created by Independent Third Party: Yes
17996.7	Series 6400 W9 Cottage	Series 6400-W9 Non-Impact Inswing Painted Steel Door w/Storm Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +66/-56 Other:		Certification Agency Certificate FL17996_R1_C_CAC_FXR_6400_E330_plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996_R1_IL_ELIX0056_Rev-A_IS_MODEL_6400-W9_WITH_STORM_DOOR_ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996_R1_AE_PER_1954_Rev2_415-0705_ss.pdf Created by Independent Third Party: Yes
17996.8	Series 7500 Oval	Series 7500 Non-Impact Inswing Vinyl Laminated Steel Door w/Adjustable Threshold
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +34/-50 Other:		Certification Agency Certificate FL17996_R1_C_CAC_FXR_7500_Oval_21_adjustable_threshold_E330_plus5.pdf Quality Assurance Contract Expiration Date 09/17/2019 Installation Instructions FL17996_R1_IL_ELIX0055_Rev-A_IS_MODEL_7500_OVAL_21_WITH_ADJUSTABLE_THRESHOLD_ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996_R1_AE_PER_1955_Rev2_415-0705_ss.pdf Created by Independent Third Party: Yes
17996.9	Series 7500 Oval	Series 7500 Non-Impact Inswing Vinyl Laminated Steel Door w/Storm Door and PVC Jambs
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL17996_R1_C_CAC_FXR_7500_Oval_23_E330_plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996_R1_IL_ELIX0060_Rev-A_IS_MODEL_STR_7500_23_OVAL_WITH_STORM_DOOR_ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996_R1_AE_PER_1955_Rev2_415-0705_ss.pdf Created by Independent Third Party: Yes
17996.10	Series 8400 W9 Cottage	Series 8400-W9 Non-Impact Oval Inswing Vinyl Laminated Steel Door w/Storm Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL17996_R1_C_CAC_FXR_8400_E330_plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996_R1_IL_ELIX0057_Rev-A_IS_MODEL_8400-W9_OVAL_WITH_STORM_DOOR_ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996_R1_AE_PER_1954_Rev2_415-0705_ss.pdf Created by Independent Third Party: Yes
17996.11	Series 9000	Series 9000 Non-Impact Inswing Vinyl Laminated Steel Door w/Storm Door
Limits of Use Approved for use in HVHZ: No		Certification Agency Certificate FL17996_R1_C_CAC_FXR_9000_50_E330_plus5.pdf

Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996 R1 II FLIX0058 Rev-A IS BLANK 9000 DOOR W. STORM DOOR ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1954 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.12	Series 9400 Cottage	Series 9400-W9 Non-Impact Inswing Vinyl Laminated Steel Door w/Storm Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR 9400 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996 R1 II FLIX0059 Rev-A IS MODEL 9400-W9 COTTAGE W. STORM DOOR ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1954 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.13	Series AFIF7N	Series AFIF7N Non-Impact IS Fiberglass Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38/-38 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR AFIF7N E330 plus5.pdf Quality Assurance Contract Expiration Date 09/14/2019 Installation Instructions FL17996 R1 II FLIX0040 AFIF7N-BFIF7N RevA ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.14	Series AFOF7N	Series AFOF7N Non-Impact OS Fiberglass Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38/-38 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR AFOF7N E330 plus5.pdf Quality Assurance Contract Expiration Date 09/14/2019 Installation Instructions FL17996 R1 II FLIX0042 AFOF7N-BFOF7N RevA ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.15	Series AVIF7N	Series AVIF7N Non-Impact IS Steel Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +25/-25 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR AVIF7N E330 plus5.pdf Quality Assurance Contract Expiration Date 04/05/2020 Installation Instructions FL17996 R1 II FLIX0047 AVIF7N-BVIF7N RevA ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1953 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.16	Series AVOF7N	Series AVOF7N Non-Impact OS Steel Doors
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +21/-21 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR AVOF7N E330 plus5.pdf Quality Assurance Contract Expiration Date 04/06/2020 Installation Instructions FL17996 R1 II FLIX0048 AVOF7N-BVOF7N RevA ss.pdf Verified By: Robert J. Amoruso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1953 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.17	Series BFIF7N	Series BFIF7N Non-Impact IS Fiberglass Door

Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38/-38 Other:		Certification Agency Certificate FL17996 R1 C CAC EXR BFIF7N E330 plus5.pdf Quality Assurance Contract Expiration Date 09/15/2019 Installation Instructions FL17996 R1 II FLIX0040 AFIF7N-BFIF7N RevA SS.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.18 Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38/-38 Other:	Series BFIF7S	Series BFIF7S Non-Impact IS Fiberglass French Door Certification Agency Certificate FL17996 R1 C CAC EXR BFIF7S E330 plus5.pdf Quality Assurance Contract Expiration Date 09/15/2019 Installation Instructions FL17996 R1 II FLIX0046 BFIF7S RevA ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other:	Series BFOF7N	Series BFOF7N Non-Impact OS Fiberglass Door Certification Agency Certificate FL17996 R1 C CAC EXR BFOF7N E330 plus5.pdf Quality Assurance Contract Expiration Date 04/06/2020 Installation Instructions FL17996 R1 II FLIX0042 AFOF7N-BFOF7N RevA ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +65/-65 Other:	Series BVI63S	Series BVI63S Non-Impact Single Inswing Door w/Fixed Lite Insert and Outswing Storm Door Certification Agency Certificate FL17996 R1 C CAC EXR BVI63S E330 plus5.pdf Quality Assurance Contract Expiration Date 12/17/2021 Installation Instructions FL17996 R1 II FLIX0061 BVI63S RevA ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AF PER 2244 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes

Go to Page

Page 1 / 2

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:



Credit Card

Safe

SECURITYMETRICS

A.L.I

(Validator / Operations Administrator)

**AAMA
CERTIFICATION PROGRAM****AUTHORIZATION FOR PRODUCT CERTIFICATION****Elixir Door and Metals Company
1215 Pope Drive
Douglas, GA 31533****Attn: Randall Yarberry**

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED			
AAMA INTERIM DOOR CERTIFICATION PROGRAM ASTM E 330-02 STP = +60, -67.5 psf ASTM E 330-02 DP = +40, -45 psf				
COMPANY AND PLANT LOCATION	CPD NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED	
Elixir Industries Plant Code: EXR	7459	407 (ALUMINUM FRAME) (X-OS) (STEEL/FOAM/STEEL)	<u>FRAME</u> 3'0" x 6'8"	<u>LEAF</u> 2'11" x 6'7"

2. This Certification will expire **September 14, 2020** (extended from September 14, 2015 per AAMA 103-15) and requires validation by continued listing in the current AAMA Certified Products Directory until withdrawn by manufacturer.

3. Product Tested and Reported by: **Dallas Laboratories, Inc.**

Report No.: 44278 rev.

Date of Report: **December 20, 2011**

Validated for Certification

Associated Laboratories, Inc.

Date: **January 5, 2012**
Revised: **August 11, 2015**

Cc: AAMA
SBS

Authorized for Certification

American Architectural Manufacturers Association

ELIXIR DOOR & METAL CO.

MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR

INSTALLATION ANCHORAGE DRAWING

GENERAL NOTES:

1. THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE CURRENT EDITION OF THE FLOORING BUILDING CODE (FBC) EXCLUDING HIGH VELOCITY HURRICANE ZONE AND THE DESIGN PRESSURE(S) STATED HEREIN.
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT DALLAS LABORATORY STAMPED DRAWINGS.
3. ADEQUACY OF THE EXISTING STRUCTURAL FRAMING OR STEEL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. IN AREAS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN IMPACT PROTECTIVE SYSTEM COMPLYING WITH THE FBC REQUIREMENTS FOR WINDBORNE DEBRIS IS MANDATORY FOR THE PRODUCT HEREIN.
6. FRAME MATERIAL: ALUMINUM ALLOY 6063-T6 GALVANIZED STEEL 915" SKIN W/ URETHANE FOAM CORE.
7. DESIGNATIONS "X" STAND FOR THE FOLLOWING:
A. HATCH LOCK KEYS
B. LATCH LOCK KEYS
C. DEAD BOLT, SINGLE CYLINDER
D. OPENABLE PANEL
E. FIXED PANEL
8. HARDWARE:
A. HALF HINGES: (4) 6063-T6 EXTRUDED ALUMINUM
B. LATCH LOCK KEYS
C. DEAD BOLT, SINGLE CYLINDER
9. SEE SHEET 1 FOR DESIGN PRESSURE CHART.
10. RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD: STRUCTURE, WIND DESIGN AND INSTALLATION IS THE ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE FOUNDATION.
11. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE FOUNDATION.
12. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

DESIGN PRESSURE RATING (PSF)	
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	..
WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	+40 / -45.0
IMPACT RATING	NONE

.. UNIT MUST BE INSTALLED BENEATH AN APPROVED OVERHANG

SHEET	DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	ELEVATION, ANCHORING LAYOUT
3	VERTICAL CROSS SECTIONS
4	HORIZONTAL CROSS SECTIONS

NOTES:

- 1) FOR WOOD OR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.087" PLOT HOLE (DRILL SIZE 45)
- 2) EDGE DISTANCE MEASURED FROM EITHER SIDE OF ANCHOR TO EDGE OF SUBSTRATE

SUBSTRATE	DOOR FRAME	TYPE	SIZE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON
SHEET METAL/STEEL TUBING 14 GA. MIN THICKNESS	FIN (2-BAR)	PAN HEAD	NO. 8	ASME B18.6.4 (TAPPING SCREW)	MIN. 3 THREADS SURFACE OF SUBSTRATE	3/8"	MIN. 33 KSI YIELD STRENGTH
2X WOOD FRAMING	FIN (2-BAR)	PAN HEAD	NO. 8	ANSI B18.6.1 (WOOD SCREW) OR ASME B18.6.4 (TAPPING SCREW)	1"	1/2"	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION.
2. THE INSTALLATION ANCHORS AT THE SPACINGS SHOWN ARE THE MINIMUM NUMBER OF ANCHORS AND MAXIMUM SPACINGS TO BE USED FOR PRODUCT INSTALLATION.
3. SHIMS AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIMS). MAXIMUM ALLOWABLE SHIM SIZE OF 1/4 INCH. SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. ANCHORS FOR INSTALLATION INTO WOOD FRAMING OR 1/4" MINIMUM STEEL FRAMING SHALL BE AS SHOWN IN 'ANCHOR SCHEDULE' THIS SHEET.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
6. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE 'ANCHOR SCHEDULE' THIS SHEET.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.



Robert J. Amoroso, P.E.
FL P.E. NO. 49752
Digitally signed by Robert J. Amoroso
DN: cn=Robert J. Amoroso, o=ELIXIR DOOR & METAL CO., email=robert@elc.com, c=US
Date: 2015.08.05 09:49:56 -0400

PROJECT NUMBER		415-0705	
ELIXIR DOOR & METAL CO.		1215 POPE DRIVE DOUGLAS, GEORGIA 31633	
MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR		GENERAL AND INSTALLATION NOTES	
DATE	02/29/12	SCALE	1/4" = 1'-0"
DESIGNED BY	ELX0052	CHECKED BY	ELX0052
DATE	8/2/15	SCALE	1 OF 4
DESIGNED BY	ELX0052	CHECKED BY	ELX0052
DATE	8/2/15	SCALE	1 OF 4

09:50:06 -04'00"

Date: 2015.08.05

c:corp.com, c:us

gnail="robert@ptc

Design Group,

ou: PTC Product

Amoruso, o,

DN en=Robert J.

Amoruso

By Robert J.

Digitally signed

Robert J. Amoruso, P.E.

FL P.E. No. 49752

ELIXIR DOOR & METAL CO.

1215 POPE DRIVE

DOUGLAS, GEORGIA 31533

MODEL 407 NON-IMPACT OUTSWING

WHIP LAMINATED STEEL DOOR

ELEVATION AND ANCHOR LAYOUT

DATE: 02/29/12

DESIGNED BY: ELIX0052

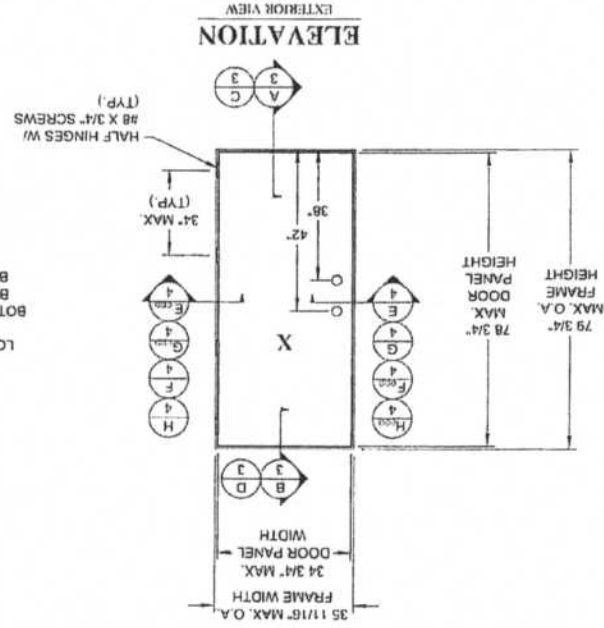
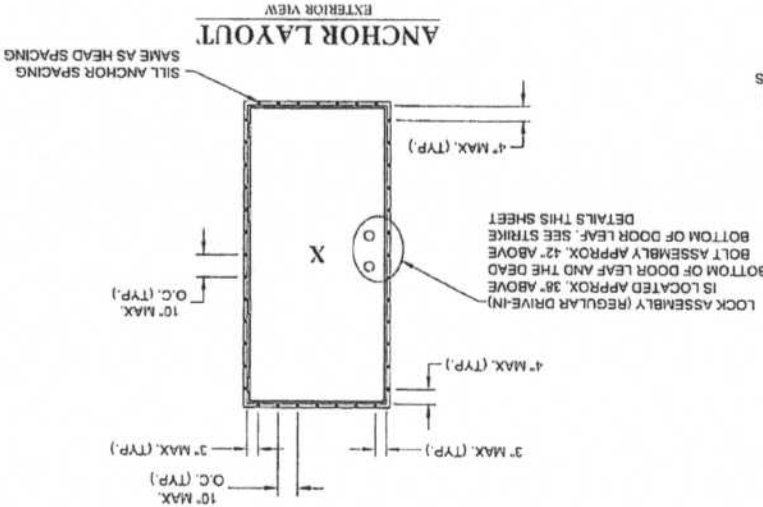
CHECKED BY: N.T.S.

SCALE: 2 OF 4

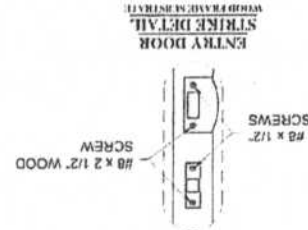
PROJECT NUMBER: 415-0705

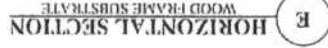
DATE: 6/1/15

BY: RJA



- ANCHORING NOTES:**
1. MINIMUM NUMBER OF ANCHORS IN JAMBS IS 13. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 10" MAXIMUM O.C.
 2. MINIMUM NUMBER OF ANCHORS IN HEAD AND SILL IS 7. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 10" MAXIMUM O.C.





DN: cn=Robert J. Amoroso, o=
ou=PTC Product Design Group,
email=robert@ptc-corp.com, c=US
Date: 2015.08.05 09:50:29 -0400

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 1951, Rev. 1 | Project No. 415-0705 | 8/3/15 | Page 1 of 3

<u>Product Manufacturer</u>	<u>Product Name, Model and/or Description</u>
Elixir Door and Metal Company 1215 Pope Drive Douglas, GA 31533	Non-Impact Glazed or Opaque, Inswing or Outswing, Painted Steel or Vinyl Laminated Steel Doors with or without Storm Door – X

Code: Current Edition of the Florida Building Code

Compliance Method: Fla. Admin. Code R. 61G20-3.005(1)(a) – Certification Mark or Listing; as administered by the Florida Department of Business and Professional Regulation.

Product Testing, Materials and Certification: Test Reports by Dallas Laboratories, Inc., 1323 Wall ST. Dallas, TX 75215

- ELIX0050: #44276, dated December 22, 2011 to ASTM E330-02
- ELIX0051: #44277, dated December 21, 2011 to ASTM E330-02
- ELIX0052: #44278, dated December 21, 2011 to ASTM E330-02
- ELIX0053: #44279, dated December 21, 2011 to ASTM E330-02

Product Installation Instructions: All drawings listed below by PTC Product Design Group, Revision A, Dated 8/3/15, signed and sealed by Robert. J. Amoruso, P.E.

- ELIX0050: Model 402-14 Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door
- ELIX0051: Model 402-20S Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door
- ELIX0052: Model 407 Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door
- ELIX0053: Model 430-W9 Non-Impact Outswing Vinyl Laminated Steel Door w/Storm Door

Engineering Analysis & Evaluation: The following evaluations, engineering and/or rational analysis/calculations have been performed.

- PTC PDG Report No. 1933 Anchorage Engineering for doors shown on drawings ELIX0050, ELIX0051, ELIX0052 and ELIX0053, signed and sealed by Robert J. Amoruso, P.E.
- PTC PDG Report No. 1934, Anchorage Engineering for doors shown on drawings ELIX0036, signed and sealed by Robert J. Amoruso, P.E.
- PTC PDG Report No. 1935, Anchorage Engineering for doors shown on drawings ELIX0035, ELIX0037, ELIX0038 and ELIX0039, signed and sealed by Robert J. Amoruso, P.E.

Limitations & Conditions of Use:

- This product has NOT been evaluated for use inside the HVHZ (High Velocity Hurricane Zone).
- Refer to Product Installation Instructions noted above for:
 - Maximum allowable wind loads at related maximum allowable size(s).
 - Maximum allowed sizes of fenestration components.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.
- Site wind pressures shall be determined by a licensed professional engineer in accordance with the current edition of the Florida Building Code and/or ASCE 7-10 for components and cladding based on allowable stress design.
- Site conditions not covered in this product evaluation document are subject to additional engineering analysis by a licensed professional engineer or registered architect as required by the authority having jurisdiction.
- Adequacy of the existing structural substrates as a main wind force resisting system capable of withstanding and transferring applied product loads to the foundation is the responsibility of the licensed professional engineer or registered architect acting as the design professional of record for the project of installation.



PTC Product Design Group, LLC | PO Box 520775 | Longwood, FL 32752-0775
321-690-1788 | FBPE Certification of Authorization No. 25935

Product Evaluation Report

Rule 61G20-3 F.A.C. | Report No. 1951, Rev. 1 | Project No. 415-0705 | 8/3/15 | Page 2 of 3

Certificate of Independence per Product Approval Rule 61G20-3.009

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. does not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by this Product Evaluation Report.

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by this Product Evaluation Report.



Digitally signed by
Robert J. Amoruso
DN: cn=Robert J.
Amoruso, o, ou=PTC
Product Design Group,
email=robert@ptc-
corp.com, c=US
Date: 2015.08.13
21:04:27 -04'00'

Evaluated By:
Robert J. Amoruso, P.E.
FL P.E. License Number 49752



PTC Product Design Group, LLC | PO Box 520775 | Longwood, FL 32752-0775
321-690-1788 | FBPE Certification of Authorization No. 25935

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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Product Approval
USER: Public User

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OFFICE OF THE
SECRETARY

FL #	FL21450-R4								
Application Type	Revision								
Code Version	2017								
Application Status	Approved								
Comments	Archived								
Product Manufacturer	Janus International Group, LLC.								
Address/Phone/Email	135 Janus International Blvd. Temple, GA 30179 (770) 562-6135 Ext 360 curts@janusintl.com								
Authorized Signature	Curtis Schroeder curts@janusintl.com								
Technical Representative	Curtis L. Schroeder								
Address/Phone/Email	134 Janus International Blvd. Temple, GA 30179 (770) 562-2850 Ext 360 curts@janusintl.com								
Quality Assurance Representative	Chris Meyer								
Address/Phone/Email	135 Janus International Blvd Temple, GA 30179 (770) 562-2850 chris.meyer@janusintl.com								
Category	Exterior Doors								
Subcategory	Roll-Up Exterior Door Assemblies								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	John E. Scates								
Florida License	PE-51737								
Quality Assurance Entity	National Accreditation and Management Institute								
Quality Assurance Contract Expiration Date	12/31/2020								
Validated By	Kurt Dietrich PE Validation Checklist - Hardcopy Received								
Certificate of Independence	FL21450 R4 COI Cert of Ind Scates 2020 s.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ANSI/DASMA 108</td> <td>2012</td> </tr> <tr> <td>ANSI/DASMA 115</td> <td>2012</td> </tr> <tr> <td>ASTM E330</td> <td>2002</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ANSI/DASMA 108	2012	ANSI/DASMA 115	2012	ASTM E330	2002
<u>Standard</u>	<u>Year</u>								
ANSI/DASMA 108	2012								
ANSI/DASMA 115	2012								
ASTM E330	2002								
Equivalence of Product Standards Certified By									

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted
Date Validated
Date Pending FBC Approval
Date Approved

04/07/2020
04/08/2020
04/16/2020
06/02/2020

Summary of Products

FL #	Model, Number or Name	Description
21450.1	Series 1100	Series 1100 - 26 Gauge Door Assembly Max Size: 8'-8" x 14'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +24.4/-27.0 Other: Not for use in High Velocity Hurricane Zones		Installation Instructions FL21450 R4 II T1012 RevD s.pdf Verified By: John E. Scates PE-51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model750 1100 r2 s.pdf Created by Independent Third Party: Yes
21450.2	Series 1100	Series 1100 - 26 Gauge Door Assembly Max Size: 10'-0" x 14'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +19.4/-22.7 Other:		Installation Instructions FL21450 R4 II T1013 RevD s.pdf Verified By: John E. Scates PE-51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model750 1100 r2 s.pdf Created by Independent Third Party: Yes
21450.3	Series 3100	Series 3100 - 26 Gauge Door Assembly Max Size: 20'-0" x 20'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other:		Installation Instructions FL21450 R4 II T1015 RevB s.pdf Verified By: John Scates FL-51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model3100-IM r1 s.pdf Created by Independent Third Party: Yes
21450.4	Series 3100	Series 3100 - 26 Gauge Door Assembly Max Size: 20'-0" x 20'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +42.5/-45 Other:		Installation Instructions FL21450 R4 II T1016 Rev- s.pdf Verified By: John Scates FL-51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model3100-IM r1 s.pdf Created by Independent Third Party: Yes
21450.5	Series 3100-IM	Series 3100-IM - Impact Resistant 26 Gauge Door Assembly Max Size: 16'-0" x 20'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +42.5/-45 Other:		Installation Instructions FL21450 R4 II T1016 Rev- s.pdf Verified By: John Scates FL-51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model3100-IM r1 s.pdf Created by Independent Third Party: Yes
21450.6	Series 3100-IM	Series 3100-IM - Impact Resistant 26 Gauge Door Assembly Max Size: 14'-0" x 20'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +40/-40 Other:		Installation Instructions FL21450 R4 II T1015 RevB s.pdf Verified By: John Scates FL-51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model3100-IM r1 s.pdf Created by Independent Third Party: Yes

21450.7	Series 750	Series 750 - 26 Gauge Door Assembly Max Size: 3'-0" x 12'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-45 Other: Not for use in High Velocity Hurricane Zones		Installation Instructions FL21450 R4 II T1000 RevF s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model750 1100 r2 s.pdf Created by Independent Third Party: Yes
21450.8	Series 750	Series 750 - 26 Gauge Door Assembly Max Size: 6'-0" x 12'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +19.9/-24.4 Other: Design Pressures listed as a test width of 6'-0". For pressures vs. widths, see table, sheet 1 of 2, dwg T1001. Not for use in High Velocity Hurricane Zones.		Installation Instructions FL21450 R4 II T1001 RevF s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model750 1100 r2 s.pdf Created by Independent Third Party: Yes
21450.9	Series 750	Series 750 - 26 Gauge Door Assembly Max Size: 8'-8" x 12'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +24.4/-27.0 Other: Not for use in High Velocity Hurricane Zones.		Installation Instructions FL21450 R4 II T1002 RevF s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model750 1100 r2 s.pdf Created by Independent Third Party: Yes
21450.10	Series 750	Series 750 - 26 Gauge Door Assembly Max Size: 10'-0" x 12'-0"
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +19.4/-22.7 Other: Not for use in High Velocity Hurricane Zones.		Installation Instructions FL21450 R4 II T1003 RevF s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes Evaluation Reports FL21450 R4 AE EvalRept Model750 1100 r2 s.pdf Created by Independent Third Party: Yes



Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

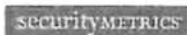
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Product Approval Accepts:



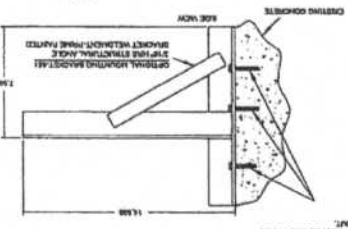
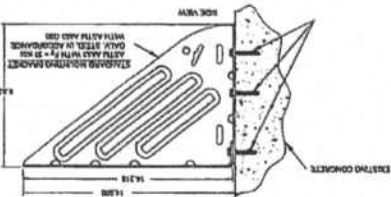
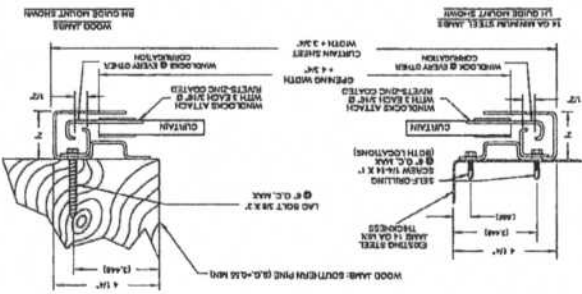
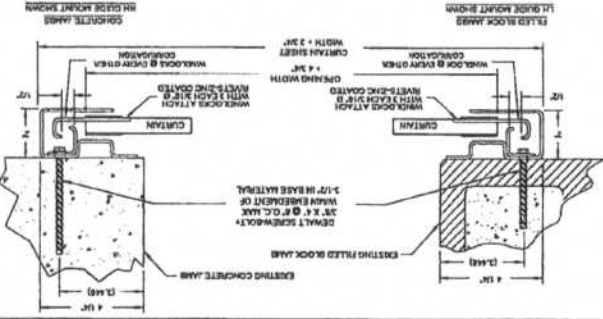
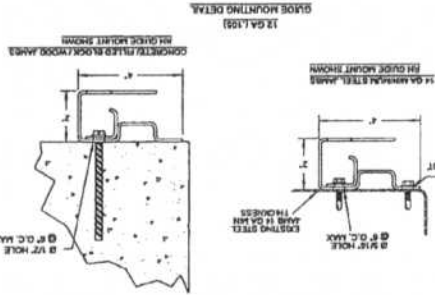
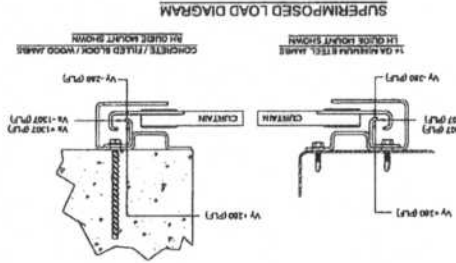
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1. THIS ROLLUP DOOR SYSTEM HAS BEEN SUCCESSFULLY TESTED ACCORDING TO THE UNIFORM STATIC TEST PER ANSIA/ASMA 104. THE LABORE MASSIVE IMPACT TEST AND THE CYCLIC WIND PRESSURE LOADING TEST PER ANSIA/ASMA 115. IN AN INDEPENDENT TESTING LAB CONFORMING TO TAB 301-94.

2. DESIGN LOAD = +4.0 PSF AT 14 WDC
+4.0 PSF
3. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING METHODS ON EXCEEDS THE DESIGN LOAD FOR THE BUILDING OPENING.
4. CONTRACTOR SHALL VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS V_x AND V_y .
5. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A1.1 GRADE E-70.
6. DOORS SHALL BE PROVIDED WITH LOCK MECHANISMS AT THE OPTION OF THE OWNER.
7. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 48 KSI.
8. DESIGN BASED ON UNDERWRITERS LABORATORIES TEST REPORT NO. U95743-2018233 August

9. ANCHOR NOTES
- A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
- B. FOR HOLLOW MASONRY, FILL ALL CELLS @ ANCHORS WITH 2000 PSI MINIMUM GROUT.
- C. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH 2000 PSI MINIMUM GROUT.
- D. 2500 PSI MINIMUM CONCRETE FOR CONCRETE JAMBS.
10. DOOR OPERATION TYPE TO BE PUSH-UP, HAVE DOWN, OR ELECTRIC.
11. GUIDE TO JAMB ATTACHMENT FASTENERS BEGIN 4" FROM FLOOR AND 4" BELOW TOP OF THE WALL OPENING.
12. TEST DOOR WALL OPENING SIZE: 14' - 0" X 10' - 0".



DECIMAL	FRACTIONS	ANGLES	HOLE DIAMETERS
KXXX	+/-0.005	+/-1/16"	+/-0.30"
			UNDER 0.251
			0.251 - 0.500
			OVER 0.500
			+0.004
			+0.006
			+0.008
			+0.010

DATE	APPROVALS
04-24-16	SCOTT ROBILLARD
04-24-16	CURT SCHROEDER
04-24-16	CURT SCHROEDER

REV	DESCRIPTION	DATE
CS	DRAWING RELEASE	4-28-16
SR	Added Title for Independent Wind Load Range	5-05-16
SR	Edits Changes	7-30-16



John E. Scates, P.E.
1550 King Arthur Blvd., Ste 124-54
Lakewood, TX 75086
FL PE 51737

Professional Engineer's seal provided only for verification of windload construction details.

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REVISIONS

APPROVAL

DATE

DESCRIPTION

770-562-2650/Fax 770-562-2264

135 JANUS INTERNATIONAL BLVD TEMPLE, GA 30179

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CERTIFIED WIND LOAD RATED 25 GA. SERIES 3100 / 3100-IM DOOR ASSEMBLY

T1015

SHEET: 2 OF 2