



Product Approval
USER: Public User

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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 [FL27402 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
Date Revised	08/04/2020

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 FL27402_R1_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 FL27402_R1_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: 850-487-1824

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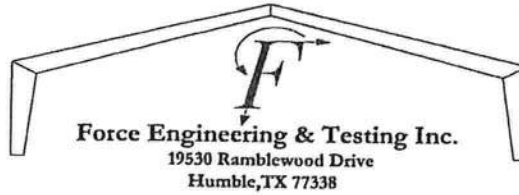
Product Approval Accepts:



Credit Card

Safe

securityMETRICS



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

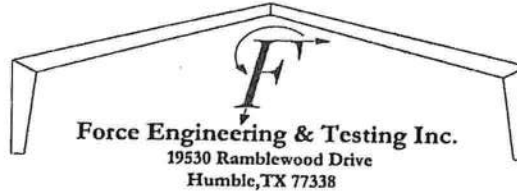
Contents:

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.

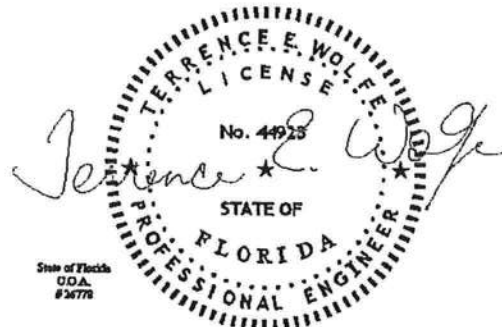
Substrate Description: Minimum 14 Ga. (Grade 50) Steel framing, Minimum 16 Ga. (Grade 50) Steel framing, or Minimum 18 Ga. (Grade 50) Steel framing. See Table A & B for steel gauge. Framing must be designed in accordance w/ Florida Building Code 2017.

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

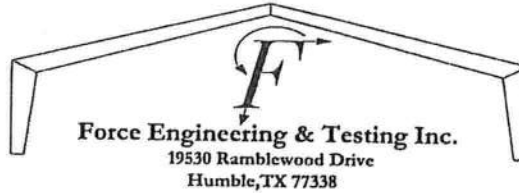
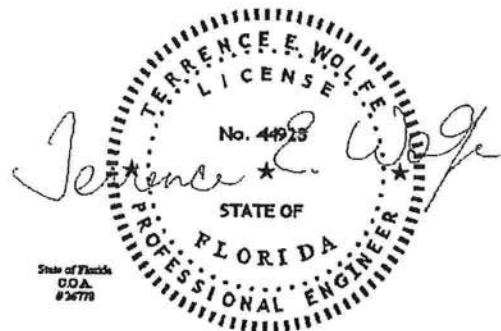


Table "B" 29 Ga. Hampton Rib Roof Panel

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

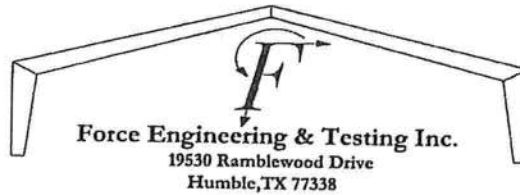
*Design Pressure Includes a Safety Factor = 2.0.

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:	<p>The product described herein has demonstrated compliance with:</p> <ul style="list-style-type: none"> 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:	<ol style="list-style-type: none"> ASTM E 1592-05 (2012) Test Force Engineering & Testing, Inc. (FBC Organization # TST-5328) Report No. 667-0060T-18A-E, 667-0061T-18A-D 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 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

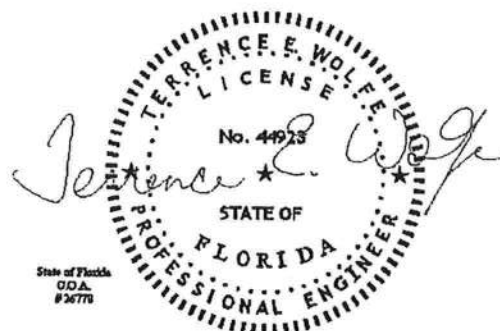


FL# 27402.1 R1

August 8, 2019



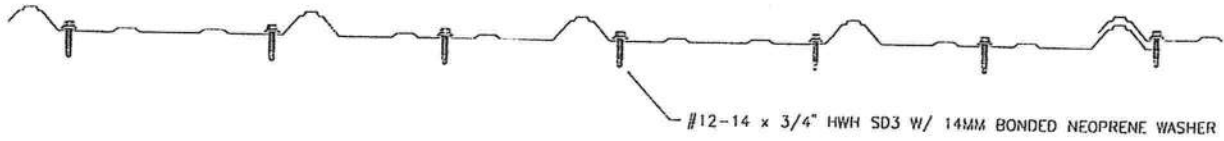
Minimum Slope Range:	manufacturing under a quality assurance program audited by an approved quality assurance entity. Minimum Slope shall comply with Florida Building Code 2017, including Section 1507.4.2 and in accordance with Manufacturers recommendations. For slopes less than 3:12, lap sealant must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



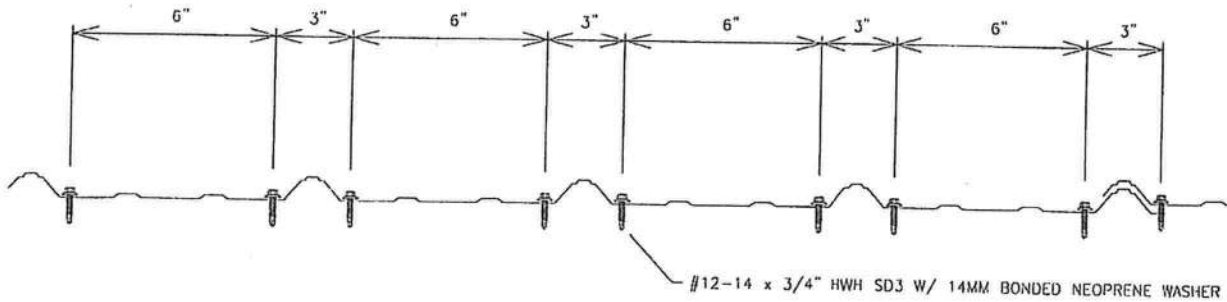
FL# 27402.1 R1

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"



State of Florida
C.O.A.
26778



August 8, 2019



Product Approval
USER: Public User

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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
Date Revised	08/04/2020

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 FL27403 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 FL27403 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 FL27403 R1 II Resi-Lap Wall Panel.pdf Verified By: Terrence E. Wolfe, P.E. 44923 Created by Independent Third Party: Yes Evaluation Reports FL27403 R1 AE Resi-Lap Wall Panel.pdf Created by Independent Third Party: Yes



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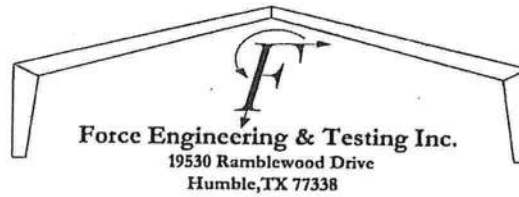
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Product Approval Accepts:



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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

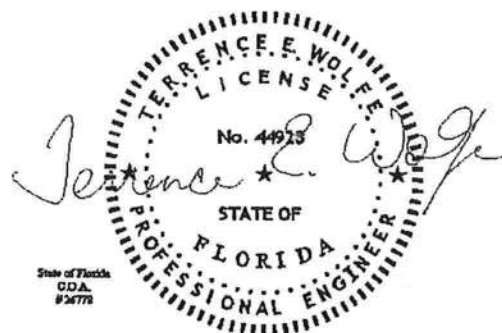
Florida Evaluation ANE ID: 1920

Validator:

Brian Jaks, P.E. #70159

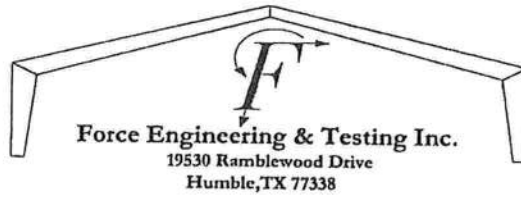
Contents:

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.

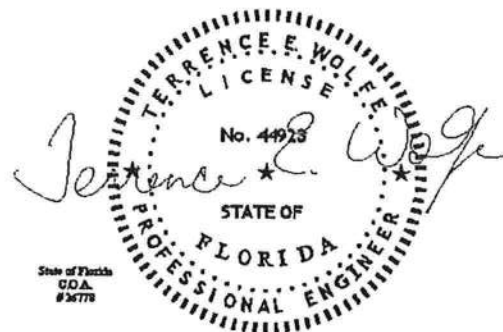
Substrate Description: Minimum 14 Ga. (Grade 50) Steel framing, Minimum 16 Ga. (Grade 50) Steel framing, or Minimum 18 Ga. (Grade 50) Steel framing. See Table A & B for steel gauge. Framing must be designed in accordance w/ Florida Building Code 2017.

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 R1

August 8, 2019

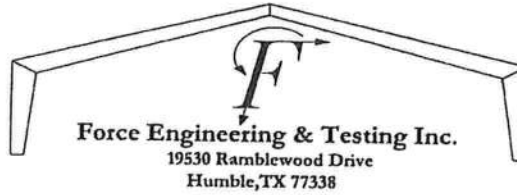
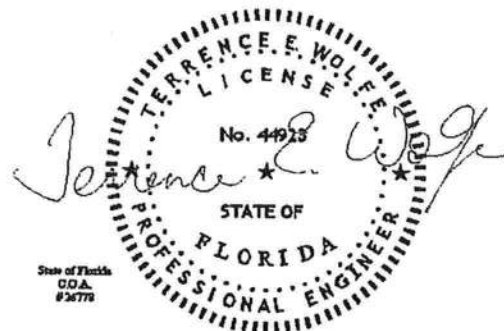


Table "B" 29 Ga. Hampton Rib Wall Panel

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

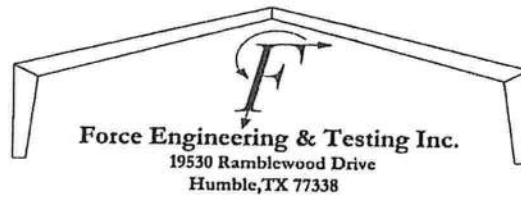
*Design Pressure Includes a Safety Factor = 2.0.

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: <ul style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

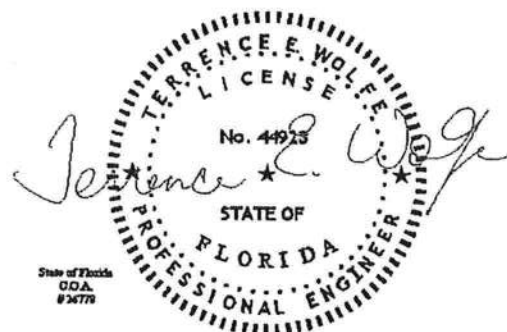


Shear Diaphragm:

Shear diaphragm values are outside the scope of this report.

Design Procedure:

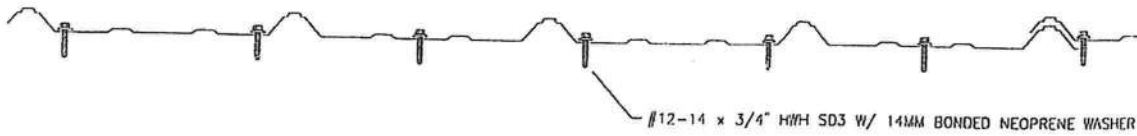
Based on the dimensions of the structure, appropriate wind loads are determined using Chapter 16 of the Florida Building Code 2017 for wall cladding wind loads. These component wind loads for wall cladding are compared to the allowable pressure listed above. The design professional shall select the appropriate 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.



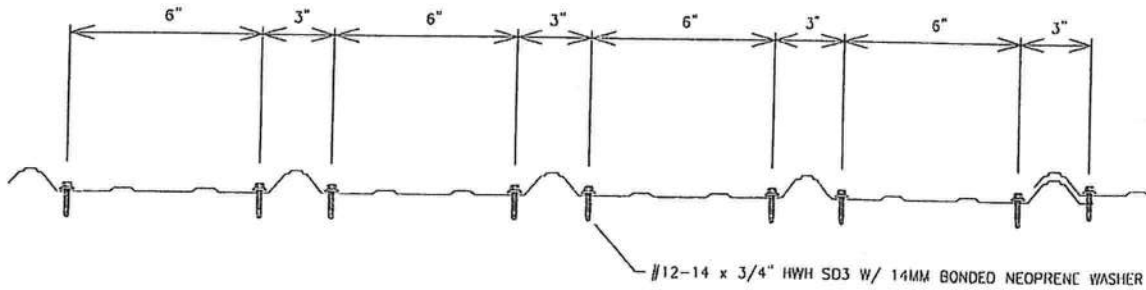
FL# 27403.1 R1

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.
26778

E. Wolfe

August 8, 2019



Product Approval
USER: Public User

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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)	<table border="0"> <tr> <td><u>Standard</u></td> <td><u>Year</u></td> </tr> <tr> <td>ASTM E330</td> <td>2002</td> </tr> </table>	<u>Standard</u>	<u>Year</u>	ASTM E330	2002
<u>Standard</u>	<u>Year</u>				
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 2


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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. Amoroso, 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. Amoroso, 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. 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
17996.4	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. 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
17996.5	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. 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

17996.6	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 EXR 430-W9 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/14/2020 Installation Instructions FL17996 R1 II 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 EXR 6400 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996 R1 II 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 EXR 7500 Oval 21 adjustable threshold E330 plus5.pdf Quality Assurance Contract Expiration Date 09/17/2019 Installation Instructions FL17996 R1 II 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 Jamb
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 7500 Oval 23 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996 R1 II 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 EXR 8400 E330 plus5.pdf Quality Assurance Contract Expiration Date 09/16/2019 Installation Instructions FL17996 R1 II 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 EXR 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 ELIX0058 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 AE 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 ELIX0059 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 AE 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 ELIX0040 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 AE 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 ELIX0042 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 AE 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 ELIX0047 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 AE 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 ELIX0048 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 AE 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 ELIX0040 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 AE PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.18	Series BFIF7S	Series BFIF7S Non-Impact IS Fiberglass French 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 BFIF7S E330 plus5.pdf Quality Assurance Contract Expiration Date 09/15/2019 Installation Instructions FL17996 R1 II ELIX0046 BFIF7S RevA ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.19	Series BFOF7N	Series BFOF7N 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: +30/-30 Other:		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 ELIX0042 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 AE PER 1952 Rev2 415-0705 ss.pdf Created by Independent Third Party: Yes
17996.20	Series BVI63S	Series BVI63S Non-Impact Single Inswing Door w/Fixed Lite Insert and Outswing Storm Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +65/-65 Other:		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 ELIX0061 BVI63S RevA ss.pdf Verified By: Robert J. Amoroso, PE FL PE No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL17996 R1 AE 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

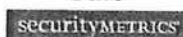
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Product Approval Accepts:



Credit Card
Safe





(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 FLORIDA BUILDING CODE (FBC) EXCLUDING HIGH VELOCITY HURRICANE ZONE AND THE DESIGN PRESSURE(S) STATED HEREIN.
- 1a. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT, DALLAS LABORATORIES, INC. #44278 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
2. ADEQUACY OF THE EXISTING STRUCTURAL 2X 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.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION 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 REGIONS IS MANDATORY FOR THE PRODUCT HEREIN.
6. FRAME MATERIAL: ALUMINUM ALLOY 6063-T6
DOOR PANEL MATERIAL: .09 MIL VINYL LAMINATED GALVANIZED STEEL/15" SKIN W/ URETHANE FOAM CORE.
7. DESIGNATIONS "X" STAND FOR THE FOLLOWING:
X: OPERABLE PANEL
O: 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.

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. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM SIZE OF 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. ANCHORS FOR INSTALLATION INTO WOOD FRAMING OR 1/4GA. 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.

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

**UNIT MUST BE INSTALLED BENEATH AN APPROVED OVERHANG

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

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

NOTES:

- 1) FOR WOOD OR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.062" PLOT HOLE (DRILL SIZE 45).
- 2) EDGE DISTANCE MEASURED FROM EITHER SIDE OF ANCHOR TO EDGE OF SUBSTRATE.

PROJECT NUMBER 415-0705	
ELIXIR DOOR & METAL CO.	
1215 POPE DRIVE DOUGLAS, GEORGIA 31533	
MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR GENERAL AND INSTALLATION NOTES	
DATE 02/29/12	SCALE 1/4" = 1'-0"
DRAWING NO. ELIX0052	REV. A
SHEET 1 OF 4	
REV.	DESCRIPTION
A	UPDATE TO 5TH EDITION (2014) FBA
DATE 8/3/15	BY RA

Robert J. Amoroso, P.E.
FL P.E. No. 49752

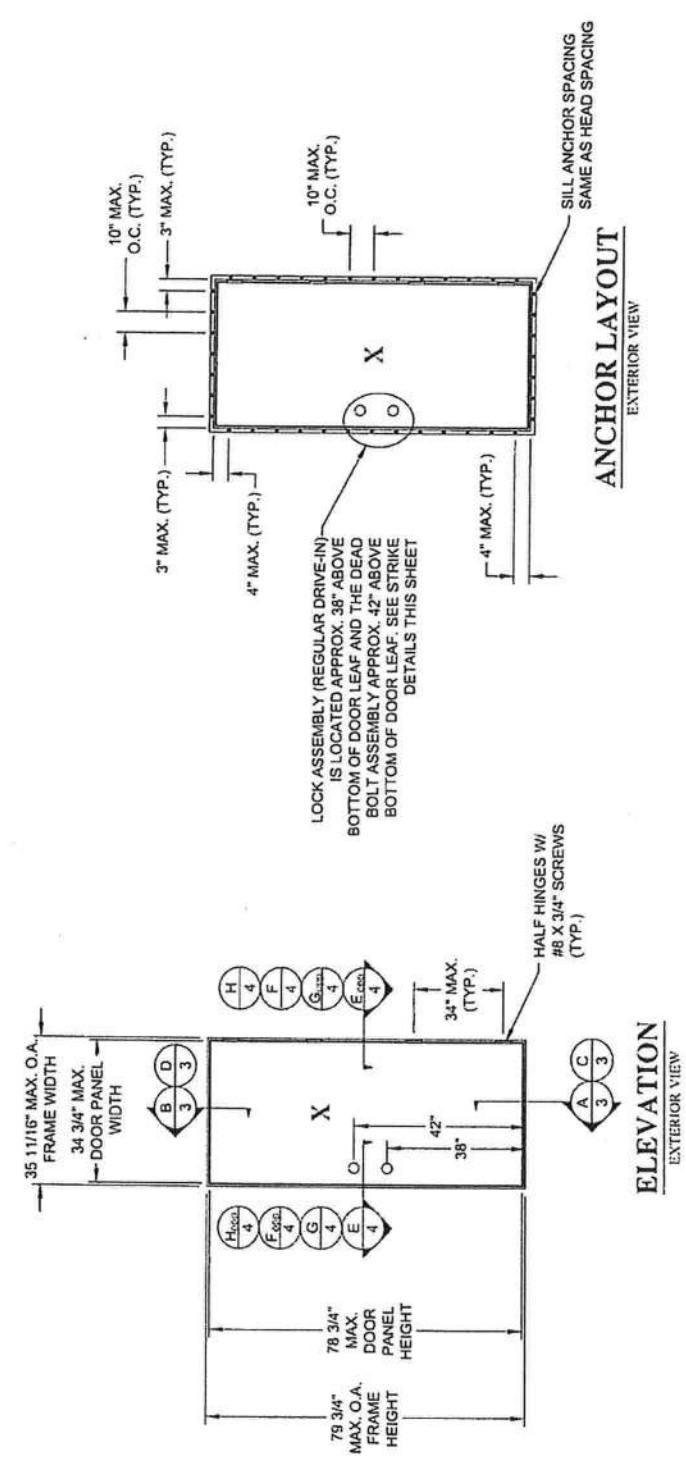


Digitally signed by Robert J. Amoroso
DN: cn=Robert J. Amoroso, o=PTC Product Design Group, ou=PTC Product Design Group, email=robert@ptc-corp.com, c=US
Date: 2015.08.05 09:49:56 -0400

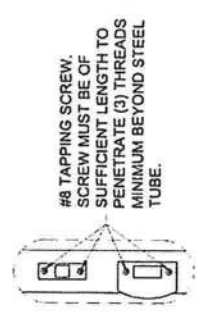
PROJECT NUMBER 415-0705		ELIXIR DOOR & METAL CO. 1215 POPE DRIVE DOUGLAS, GEORGIA 31533		MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR ELEVATION AND ANCHOR LAYOUT DRAWN BY: TJH DATE: 02/29/12 CHECKED BY: N.T.S. SHEET: ELIX0052 2 OF 4		PROJECT LOCATION 1215 POPE DRIVE DOUGLAS, GEORGIA 31533 DATE: 02/29/12 DRAWN BY: TJH CHECKED BY: N.T.S. SHEET: ELIX0052 2 OF 4		PROJECT NUMBER 415-0705 DATE: 8/3/15 BY: RJA	
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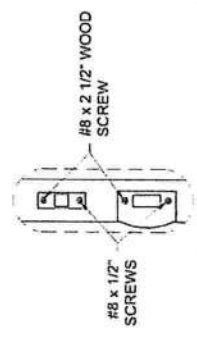
Robert J. Amoroso, P.E.
FL P.E. No. 49752
Digitally signed
by Robert J.
Amoroso
DN: cn=Robert J.
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Amoroso, ou=PTC Product
Design Group,
email=robert@ptc
c-corp.com, c=US
Date: 2015.08.05
09:50:06 -0400



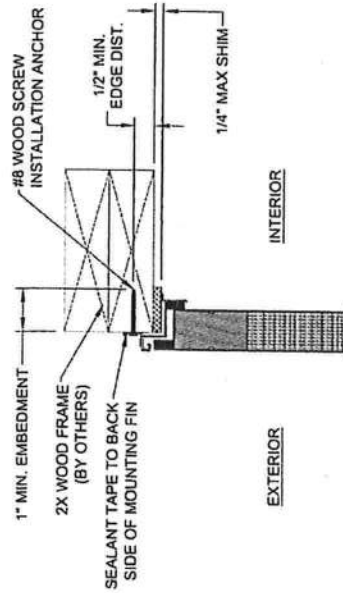
- ANCHORING NOTES:
1. MINIMUM NUMBER OF ANCHORS IN JAMBS IS 13. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 10" MAXIMUM O.C.
 2. MINIMUM NUMBER OF ANCHORS IN HEAD AND SILL IS 7. ANCHOR SPACING VARIES, BUT NOT TO EXCEED 10" MAXIMUM O.C.



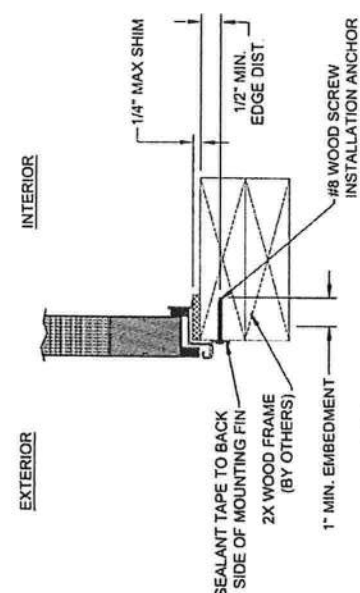
ENTRY DOOR
STRIKE DETAIL
STEEL TUBING IN STRIKE



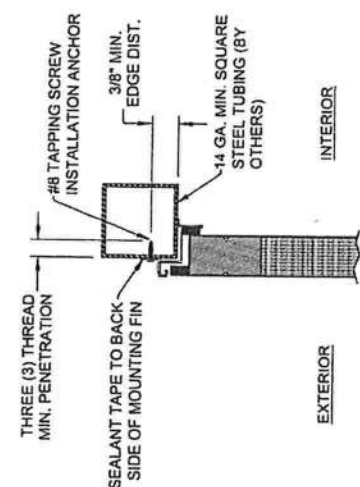
ENTRY DOOR
STRIKE DETAIL
WOOD FRAME IN STRIKE



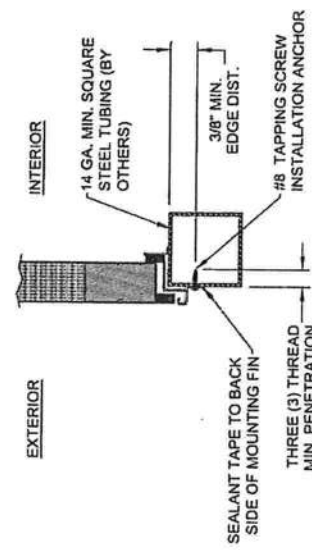
B VERTICAL SECTION
WOOD FRAME SUBSTRATE



A VERTICAL SECTION
WOOD FRAME SUBSTRATE



D VERTICAL SECTION
STEEL TUBING SUBSTRATE



C VERTICAL SECTION
STEEL TUBING SUBSTRATE

		ELIXIR DOOR & METAL CO. 1215 POPE DRIVE DOUGLAS, GEORGIA 31533 MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR VERTICAL CROSS SECTIONS	
REV	DATE	DESCRIPTION	BY
A	02/29/12	UPDATE TO 5TH EDITION (2014) FBC	RAA
3 OF 4		PROJECT NUMBER: 415-0705	

Robert J. Amoroso, P.E.
FL P.E. No. 48752

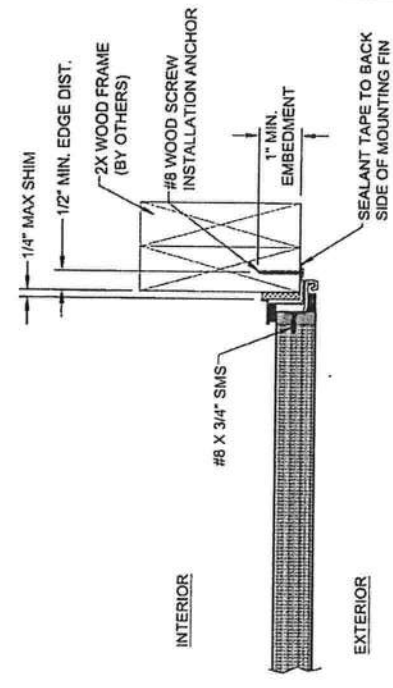
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by Robert J.
Amoroso
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Design Group,
email=robert@ptc-
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Date: 2015.08.05
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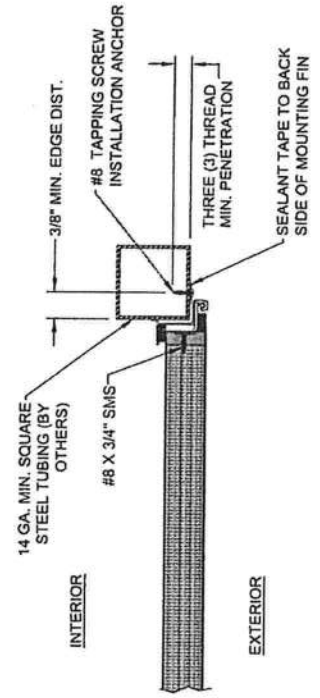
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1215 POPE DRIVE DOUGLAS, GEORGIA 31633		MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR VERTICAL CROSS SECTIONS	
DATE 02/29/12	DESIGNED BY TJH	CHECKED BY N.T.S.	SCALE 4 OF 4
REV A	DESCRIPTION UPDATE TO 5TH EDITION (2014) FBA	DATE 02/29/12	BY B/3/15

Robert J. Amoroso, P.E.
FL P.E. No. 49752

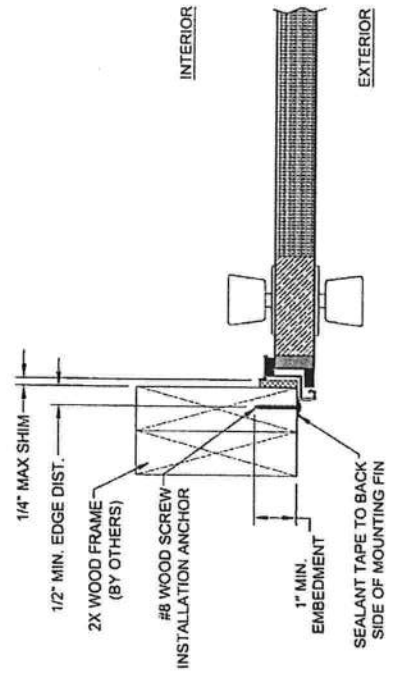
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Date: 2015.08.05 09:50:29 -04'00'



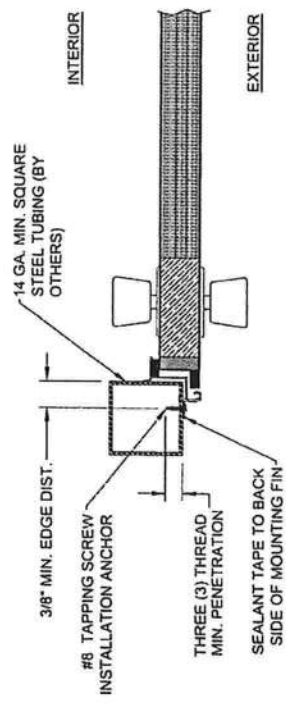
F HORIZONTAL SECTION
WOOD FRAME SUBSTRATE



H HORIZONTAL SECTION
STEEL TUBING SUBSTRATE



E HORIZONTAL SECTION
WOOD FRAME SUBSTRATE



G HORIZONTAL SECTION
STEEL TUBING SUBSTRATE

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.



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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.



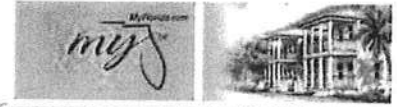
Digitally signed by
Robert J. Amoruso
DN: cn=Robert J.
Amoruso, o, ou=PTC
Product Design Group,
email=robert@ptc-
corp.com, c=US
Date: 2015.08.13
21:04:27 -04'00'

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



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Product Approval
USER: Public User

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

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FL #	FL21450-R4	
Application Type	Revision	
Code Version	2017	
Application Status	Approved	
 Comments		
Archived		
 Product Manufacturer		
Address/Phone/Email	Janus International Group, LLC. 135 Janus International Blvd. Temple, GA 30179 (770) 562-6135 Ext 360 curts@janusintl.com	
 Authorized Signature		
	Curtis Schroeder curts@janusintl.com	
 Technical Representative		
Address/Phone/Email	Curtis L. Schroeder 134 Janus International Blvd. Temple, GA 30179 (770) 562-2850 Ext 360 curts@janusintl.com	
 Quality Assurance Representative		
Address/Phone/Email	Chris Meyer 135 Janus International Blvd Temple, GA 30179 (770) 562-2850 chris.meyer@janusintl.com	
 Category		
Subcategory	Exterior Doors 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		
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)		
	Standard	Year
	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

04/07/2020

Date Validated

04/08/2020

Date Pending FBC Approval

04/16/2020

Date Approved

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



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Product Approval Accepts:

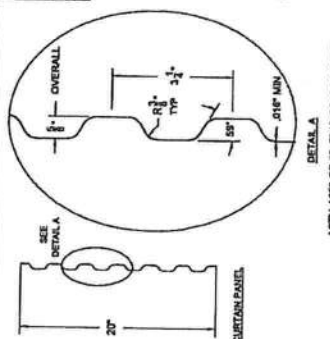


Credit Card

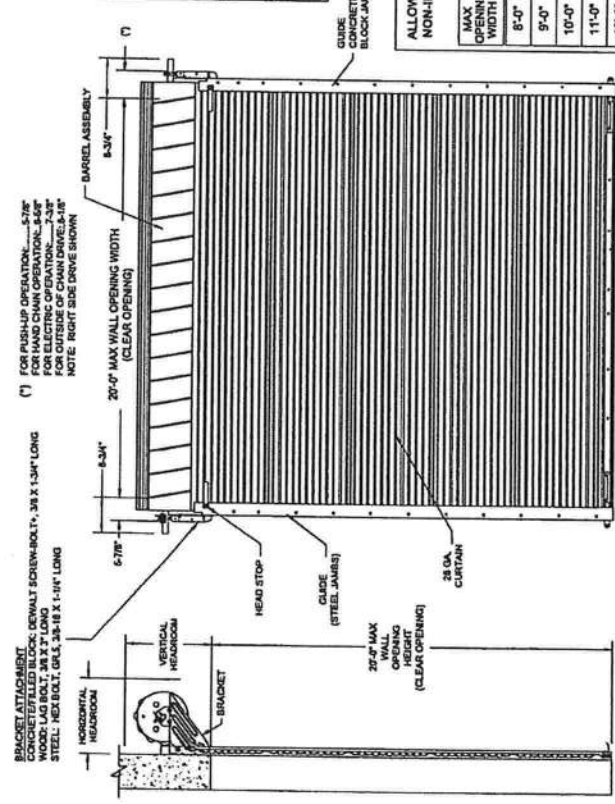
Safe

SECURITYMETRICS

REV	DESCRIPTION	DATE	APPROVAL
A	DRAWING RELEASE	4-24-18	CS
B	Added Table For Non-Impact Wind Load Ratings	8-09-18	SR
B	Editorial Changes	7-30-19	SR



HEADROOM REQUIRED			
OPENING HEIGHT	VERTICAL HEADROOM	HORIZONTAL HEADROOM	
18'-0"	20"	20"	
OVER 18'-0"	21"	21"	
OVER 19'-0"	21 1/2"	22"	
OVER 20'-0"	22"	22"	
OVER 21'-0"	22"	22"	
OVER 22'-0"	22"	22"	



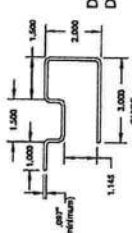
SIDE VIEW

INSIDE ELEVATION

ALLOWABLE TRANSVERSE DESIGN WIND LOADS IMPACT RATED SERIES 3100-IM DOORS ONLY			
MAX OPENING WIDTH	MAX OPENING HEIGHT	DESIGN LOAD POSITIVE (PSF)	DESIGN LOAD NEGATIVE (PSF)
14'-0"	20'-0"	40.0	40.0

ALLOWABLE TRANSVERSE DESIGN WIND LOADS NON-IMPACT RATED SERIES 3100 DOORS ONLY			
MAX OPENING WIDTH	MAX OPENING HEIGHT	DESIGN LOAD POSITIVE (PSF)	DESIGN LOAD NEGATIVE (PSF)
8'-0"	20'-0"	68.0	68.0
9'-0"	20'-0"	61.0	61.0
10'-0"	20'-0"	55.3	55.3
11'-0"	20'-0"	50.5	50.5
12'-0"	20'-0"	46.4	46.4
13'-0"	20'-0"	42.9	42.9
14'-0"	20'-0"	40.0	40.0
15'-0"	20'-0"	35.6	35.6
16'-0"	20'-0"	32.0	32.0
17'-0"	20'-0"	29.0	29.0
18'-0"	20'-0"	26.4	26.4
19'-0"	20'-0"	24.2	24.2
20'-0"	20'-0"	22.3	22.3

ALL COMPONENTS SHALL BE
FABRICATED FROM
ASTM A583 G-90
PER ASTM A583 G-90



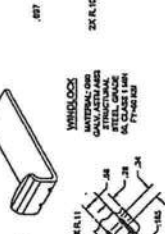
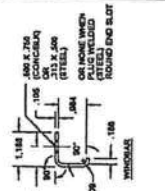
Digitally signed by John E. Scates P.E.
Date: 2019.08.16 12:10:49 -05'00'
John E. Scates, P.E.
2550 King Arthur Blvd, Ste 124-54
Lewisville, TX 75056
FL PE 51737

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

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CERTIFIED WIND LOAD RATED 26 GA. SERIES 3100 / 3100-IM DOOR ASSEMBLY			
DATE	APPROVALS	DATE	APPROVALS
04-24-18	SCOTT ROBILLARD	04-24-18	CURT SCHROEDER
04-24-18	CURT SCHROEDER	04-24-18	CURT SCHROEDER
04-24-18	CURT SCHROEDER	04-24-18	CURT SCHROEDER



SEE SHEET 2 FOR NOTES

REV	DESCRIPTION	DATE	APPROVAL
A	DRAWING RELEASE	4-28-18	CS
B	Added Title For Non-Inspired Wind Load Rating	8-09-18	SR
	Extensive Changes	7-30-19	SR

GENERAL NOTE

1. THIS ROLL-UP DOOR SYSTEM HAS BEEN SUCCESSFULLY TESTED ACCORDING TO THE UNIFORM STATIC AIR PRESSURE TEST PER ANSI/DAMA 109, THE LARGE SCALE WIND TUNNEL TEST PER ANSI/DAMA 110, AND THE WIND TUNNEL TEST PER ANSI/DAMA 111, IN AN INDEPENDENT TESTING LAB CONFORMING TO TAB 301-PM.

2. DESIGN LOAD = +45.0 PSF AT 1" WIDE 400

3. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING THE UNIFORM STATIC AIR PRESSURE TEST PER ANSI/DAMA 109, THE LARGE SCALE WIND TUNNEL TEST PER ANSI/DAMA 110, AND THE WIND TUNNEL TEST PER ANSI/DAMA 111, IN AN INDEPENDENT TESTING LAB CONFORMING TO TAB 301-PM.

4. CONTRACTORS SHALL VERIFY SUBSEQUENT TO BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS V₁, V₂, V₃, V₄, V₅, V₆, V₇, V₈, V₉, V₁₀, V₁₁, V₁₂, V₁₃, V₁₄, V₁₅, V₁₆, V₁₇, V₁₈, V₁₉, V₂₀, V₂₁, V₂₂, V₂₃, V₂₄, V₂₅, V₂₆, V₂₇, V₂₈, V₂₉, V₃₀, V₃₁, V₃₂, V₃₃, V₃₄, V₃₅, V₃₆, V₃₇, V₃₈, V₃₉, V₄₀, V₄₁, V₄₂, V₄₃, V₄₄, V₄₅, V₄₆, V₄₇, V₄₈, V₄₉, V₅₀, V₅₁, V₅₂, V₅₃, V₅₄, V₅₅, V₅₆, V₅₇, V₅₈, V₅₉, V₆₀, V₆₁, V₆₂, V₆₃, V₆₄, V₆₅, V₆₆, V₆₇, V₆₈, V₆₉, V₇₀, V₇₁, V₇₂, V₇₃, V₇₄, V₇₅, V₇₆, V₇₇, V₇₈, V₇₉, V₈₀, V₈₁, V₈₂, V₈₃, V₈₄, V₈₅, V₈₆, V₈₇, V₈₈, V₈₉, V₉₀, V₉₁, V₉₂, V₉₃, V₉₄, V₉₅, V₉₆, V₉₇, V₉₈, V₉₉, V₁₀₀.

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. AS 1 GRADE E70.

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 80 KSI.

8. DESIGN BASED ON UNDERWATER LABORATORIES TEST REPORT NO. 390741-3018773-Report

9. ANCHOR NOTES:

A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.

B. FOR HOLLOW MASONRY, FILL ALL CELLS & ANCHOR WITH 2000 PSI MINIMUM GROUT.

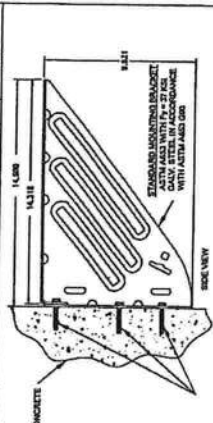
C. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

D. 2000 PSI MINIMUM CONCRETE FOR CONCRETE JAMBS.

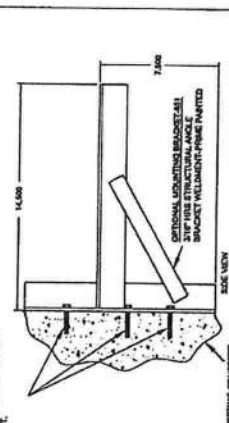
10. DOOR OPERATION TYPE TO BE PUSH-UP, HAND CHAIN, OR ELECTRIC.

11. GUIDE ROLLERS SHALL BE PROVIDED AND FASTENERS BEGIN 4" FROM FLOOR AND 4" BELOW TOP OF THE WALL OPENING.

12. TEST DOOR WALL OPENING SIZE: 14' x 12' x 6".



THREE 3/4\"/>



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

John E. Scates, P.E.
2550 King Arthur Blvd, Ste 124-54
Houston, TX 75056
FL PE 51737

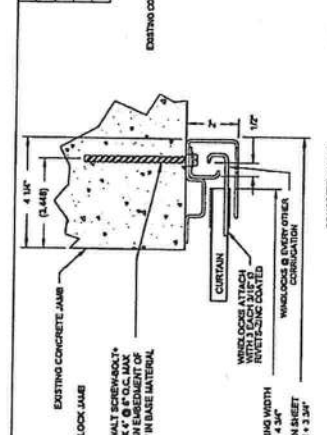


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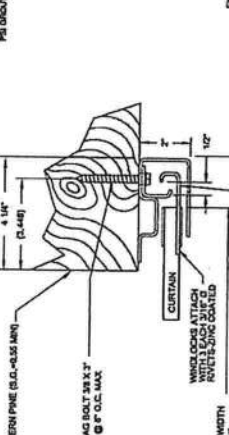
CERTIFIED WIND LOAD RATED 26 GA.
SERIES 3100/3100-IM DOOR
ASSEMBLY

REV.	DESCRIPTION	DATE
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B	CURT SCHROEDER	04-24-18
B	CURT SCHROEDER	04-24-18

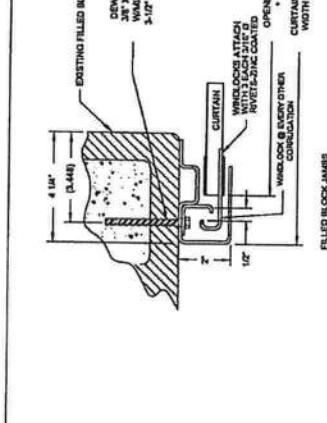
SHEET: 2 OF 2



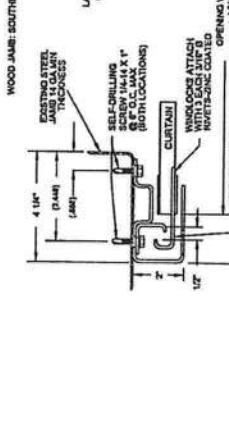
CONCRETE JAMBS
IN GUIDE MOUNT SHOWN



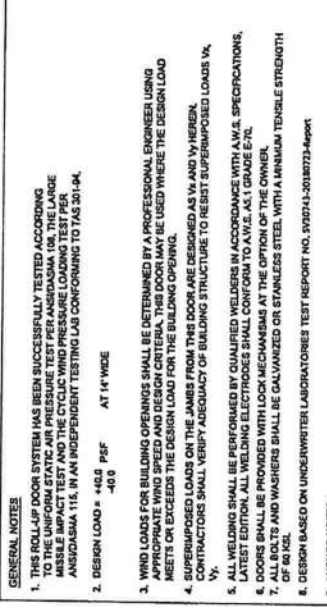
WOOD JAMBS
IN GUIDE MOUNT SHOWN



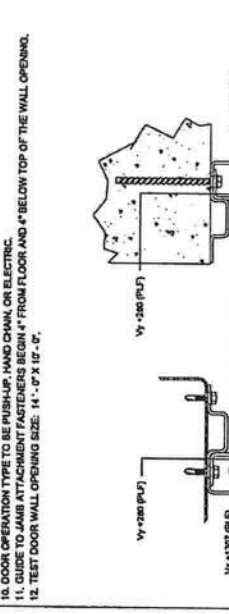
FILED BLOCK JAMBS
IN GUIDE MOUNT SHOWN



WOOD JAMBS
IN GUIDE MOUNT SHOWN



FILED BLOCK JAMBS
IN GUIDE MOUNT SHOWN



WOOD JAMBS
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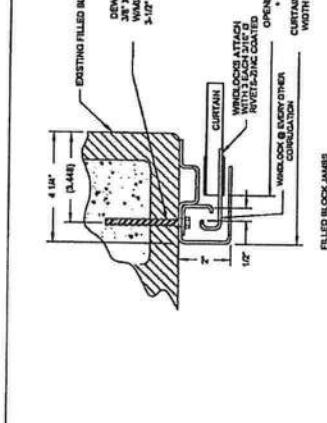
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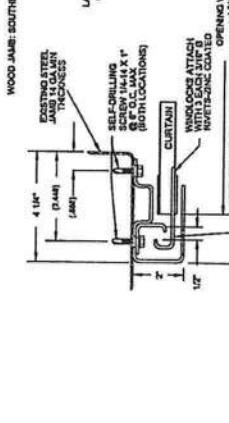
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REV.	DESCRIPTION	DATE
B	T1015	04-24-18
B	CURT SCHROEDER	04-24-18
B	CURT SCHROEDER	04-24-18

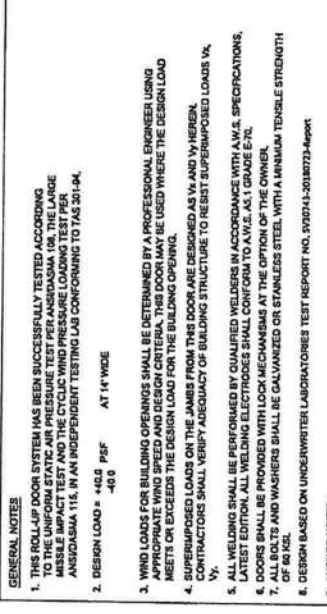
SHEET: 2 OF 2



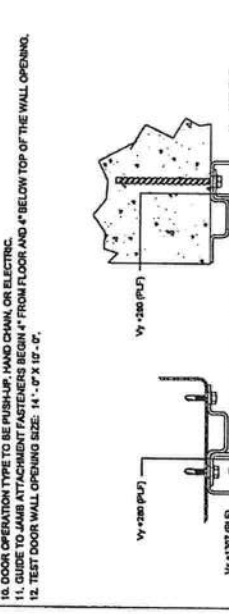
FILED BLOCK JAMBS
IN GUIDE MOUNT SHOWN



WOOD JAMBS
IN GUIDE MOUNT SHOWN



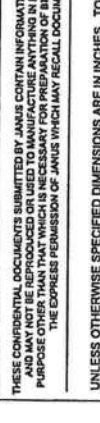
FILED BLOCK JAMBS
IN GUIDE MOUNT SHOWN



WOOD JAMBS
IN GUIDE MOUNT SHOWN

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REV.	DESCRIPTION	DATE
B	T1015	04-24-18
B	CURT SCHROEDER	04-24-18
B	CURT SCHROEDER	04-24-18

SHEET: 2 OF 2