FL #	FL27402-R2
Application Type	Revision
Code Version	2020
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	Johnathan Green
Florida License	PE-88223
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_R2_COI_Letter of Certification-Carports Anywhere_sealed.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

Force Engineering & Testing
19530 Ramblewood Drive
Humble, Texas 77338
Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

Product Evaluation Report
CARPORTS ANYWHERE

Hampton Rib Roof Panel over open framing

Florida Product Approval # 27402.1 R2

Florida Building Code 2020
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:
Johnathan Green, P.E. # 88223
Florida Evaluation ANE ID: 12901

Validator:
Brian Jaks, P.E. #70159

Contents:

Evaluation Report **Pages 1- 4**

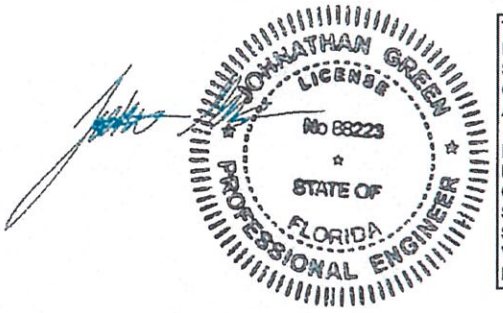

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Table "B" 29 Ga. Hampton Rib Roof Panel

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.

*Design Pressure includes a Safety Factor = 2.0.

Code Compliance:

The product described herein has demonstrated compliance with The Florida Building Code 2020, 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 2020, 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:

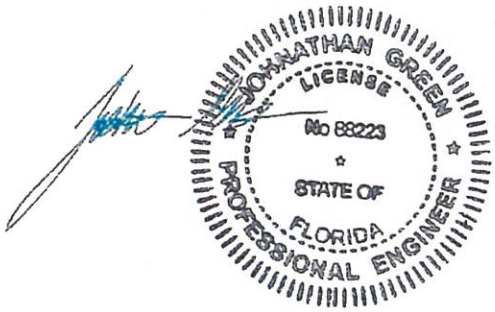
1. ASTM E 1592-05 (2012) Test
   Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
   Report No. 667-0060T-18A-E, 667-0061T-18A-D
2. FM 4471-10, Section 4.4 Foot Traffic Resistance Test
   Force Engineering & Testing, Inc. (FBC Organization # TST-5328)
   Report No. 667-0060T-18F, 667-0061T-18E
3. Certificate of Independence
   By Johnathan Green, P.E. (No. 88223) @ Force Engineering & Testing
   (FBC Organization # ANE ID: 12901

Test Standard Equivalency:

1. 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 manufacturing under a quality assurance program audited by an approved quality assurance entity.



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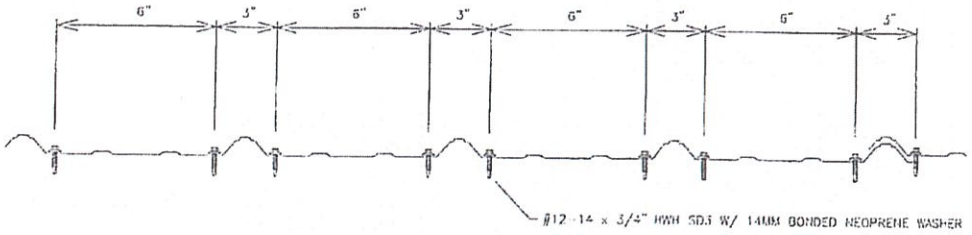
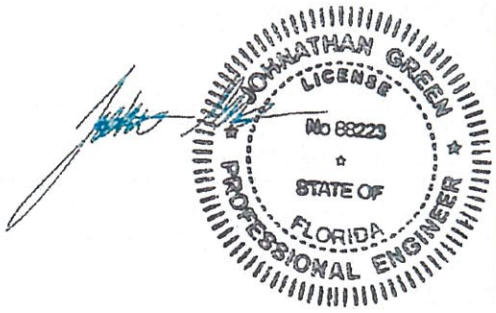
26 GA. HAMPTON RIB FASTENER PATTERN 2-1-2-1

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





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FL# 27402.1 R2

Date Submitted	08/04/2020
Date Validated	08/10/2020
Date Pending FBC Approval	08/22/2020
Date Approved	10/13/2020

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_R2_II_Hampton Rib Wall Panel_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes **Evaluation Reports** FL27403_R2_AE_Hampton Rib Wall Panel_sealed.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_R2_II_Resi-Lap Wall Panel DRAFT_sealed.pdf Verified By: Johnathan E Green, P.E. 88223 Created by Independent Third Party: Yes **Evaluation Reports** FL27403_R2_AE_Resi-Lap Wall Panel DRAFT_sealed.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:

Credit Card
Safe
securityMETRICS

Force Engineering & Testing
19530 Ramblewood Drive
Humble, Texas 77338
Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

Compliance Statement:

The product as described in this report has demonstrated compliance with the Florida Building Code 2020, 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 2020 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: ¾" major rib at 9" O.C.
Panel Rollformer: MRS Metal Rollforming Systems

Panel Fastener:

#12-14 x ¾" HWH SD#3 with 14mm neoprene bonded washing or approved equal.
Corrosion Resistance: Per Florida Building Code 2020.

Substrate Description:

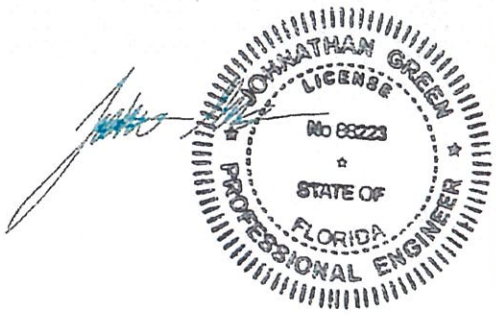
Minimum 14 Ga. (Grade 50) Steel framing, Minimum 16 Ga. (Grade 50) Steel framing, or Minimum 18 Ga. (Grade 50) Steel framing. See Table A & B for steel gauge. Framing must be designed in accordance w/ Florida Building Code 2020.

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. 14 Ga. Steel Framing	Min. 18 Ga. Steel Framing	Min. 18 Ga. Steel Framing

*Design Pressure includes a Safety Factor = 2.0.



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Phone: (281) 540-6603 FAX: (281) 540-9966
Website: www.forceengineeringtesting.com

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.

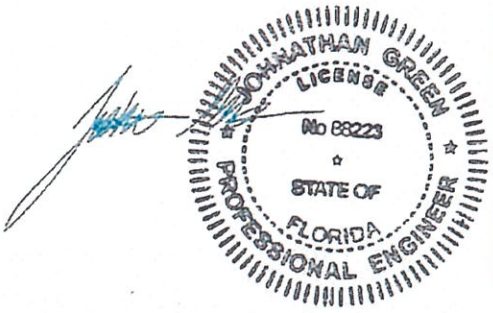
Installation: Install per manufacturer's recommended details.

Insulation: Manufacturer's approved product (Optional)

Panel Fire Classification: Fire classification is not part of this acceptance.

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 2020 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 2020 Chapter 22 for steel, and Chapter 16 for structural loading.



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Product Approval
USER: Public User

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

		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. 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
17996.7	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. 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
17996.8	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. Amoruso, 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_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. Amoruso, 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. 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

		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_6330_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. 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
17996.18	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_6330_plus5.pdf **Quality Assurance Contract Expiration Date** 09/15/2019 **Installation Instructions** FL17996_R1_II_ELIX0046_BFIF7S_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
17996.19	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_6330_plus5.pdf **Quality Assurance Contract Expiration Date** 04/06/2020 **Installation Instructions** FL17996_R1_II_ELIX0047_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_1957_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_6330_plus5.pdf **Quality Assurance Contract Expiration Date** 12/17/2021 **Installation Instructions** FL17996_R1_II_ELIX0061_BVI63S_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_2244_Rev2_415-0705_ss.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:

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. #14278 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.015" 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: KEYED
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 SHIM(S). MAXIMUM ALLOWABLE SHIM SIZE OF 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.

4. ANCHORS FOR INSTALLATION INTO WOOD FRAMING OR 14GA. 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	NONE
**	+40.0 / -45.0	

**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]	EDGE DISTANCE (IN) [1][2]	ANCHOR CAPACITIES BASED ON
SHEET METAL/STEEL TUBING 14 GA MIN. THICKNESS	FIN (Z-BAR)	PAN HEAD	NO.8	ASME B18.6.4 (TAPPING SCREW)	MIN. 3 THREADS PAST INSIDE SURFACE OF SUBSTRATE	3/8"	MIN. 33 KSI YIELD STRNEGTH
2X WOOD FRAMING	FIN (Z-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.

NOTES:
1) FOR WOOD OR TAPPING SCREWS IF SPLITTING IS A CONCERN, DRILL 0.032" PILOT HOLE (DRILL SIZE 45).
2) EDGE DISTANCE MEASURED FROM EITHER SIDE OF ANCHOR TO EDGE OF SUBSTRATE.

ELIXIR DOOR & METAL CO.
1215 POPE DRIVE
DOUGLAS, GEORGIA 31533

MODEL 407 NON-IMPACT OUTSWING VINYL LAMINATED STEEL DOOR GENERAL AND INSTALLATION NOTES

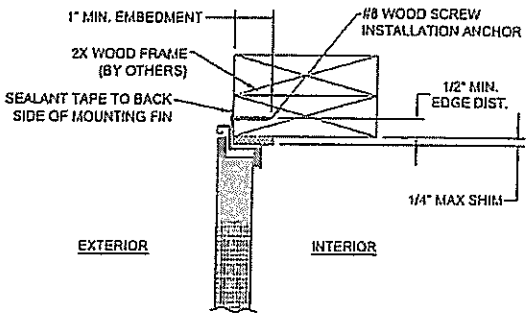
DRAWN BY: TJH | DATE: 02/25/12
CHECKED: N.T.S. | DWG NO: ELIX0052
SCALE: AS NOTED | SHEET: 1 OF 4

REV	DESCRIPTION	DATE	APP'D
A	UPDATE TO 5TH EDITION (2014) TSA	6/3/15	RJA

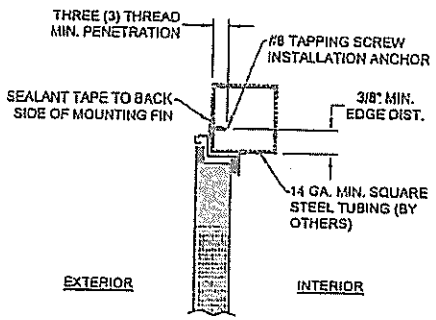
PRODUCT APPROVAL: 415-0705

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

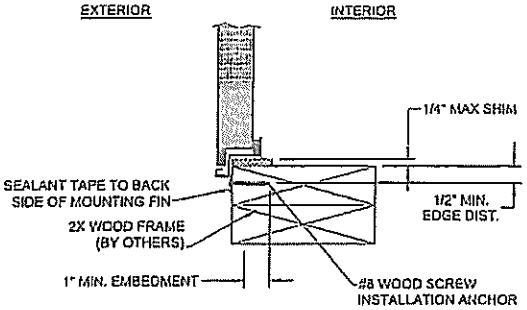
Digitally signed by Robert J. Amoruso
DN: cn=Robert J. Amoruso, o, ou=PTC Product Design Group, email=robert@ptc-corp.com, c=US
Date: 2015.08.05 03:49:56 -04'00'



B VERTICAL SECTION
WOOD FRAME SUBSTRATE



D VERTICAL SECTION
STEEL TUBING SUBSTRATE



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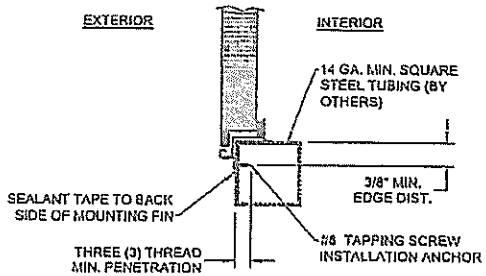
WOOD FRAME SUBSTRATE



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

PROJECT NUMBER: 415-0705

DRAWN BY:	TJH	DATE:	02/29/12
SCALE:	N.T.S.	DRAWING #:	ELIX0052
QTY:	A	SHEET:	3 OF 4

REV	DESCRIPTION	DATE	BY
A	UPDATE TO 5TH EDITION (2014) FBC	8/4/15	TJH

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

Digitally signed by Robert J. Amoruso
DN: cn=Robert J. Amoruso, o, ou=PTC Product Design Group, email=rabert@ptc-corp.com, c=US
Date: 2015.08.05 09:50:18 -01'00'

FL #	FL21450-R5
Application Type	Revision
Code Version	2020
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	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	12/31/2021
Validated By	Kurt Dietrich PE Validation Checklist - Hardcopy Received
Certificate of Independence	FL21450_R5_COI_Cert_of_Ind_Scates_2020s.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

		FL21450_R5_AE_EvalRept_Model3100-IM_r5s.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_R5_II_T1000_RevF_s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes **Evaluation Reports** FL21450_R5_AE_EvalRept_Model750_1100_r5s.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_R5_II_T1001_RevF_s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes **Evaluation Reports** FL21450_R5_AE_EvalRept_Model750_1100_r5s.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_R5_II_T1002_RevF_s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes **Evaluation Reports** FL21450_R5_AE_EvalRept_Model750_1100_r5s.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_R5_II_T1003_RevF_s.pdf Verified By: John E. Scates, P.E. 51737 Created by Independent Third Party: Yes **Evaluation Reports** FL21450_R5_AE_EvalRept_Model750_1100_r5s.pdf Created by Independent Third Party: Yes

Back Next

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
securityMETRICS

GENERAL NOTES

1. THIS ROLL-UP DOOR SYSTEM HAS BEEN SUCCESSFULLY TESTED ACCORDING TO THE UNIFORM STATIC AIR PRESSURE TEST PER ANSI/DASMA 108, THE LARGE MISSILE IMPACT TEST AND THE CYCLIC WIND PRESSURE LOADING TEST PER ANSI/DASMA 115, IN AN INDEPENDENT TESTING LAB CONFORMING TO TAS 201-94.

2. DESIGN LOAD = +40.0 / -40.0 PSF AT 14'-0" WIDE

3. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING APPROPRIATE WIND SPEED AND DESIGN CRITERIA. THIS DOOR MAY BE USED WHERE THE DESIGN LOAD MEETS OR EXCEEDS THE DESIGN LOAD FOR THE BUILDING OPENING.

4. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNED AS Vx AND Vy HEREIN. CONTRACTORS SHALL VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS Vx, Vy.

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. A5.1 GRADE E-70.

6. DOOR 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 60 KSI.

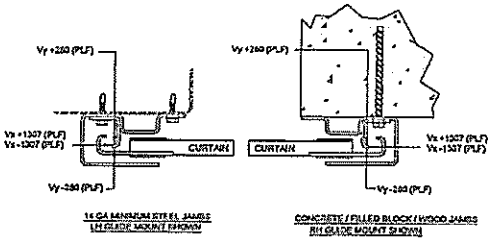
8. DESIGN BASED ON UNDERWRITER LABORATORIES TEST REPORT NO. SV30741-20180723-R.report

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. 2500 PSI MINIMUM CONCRETE FOR CONCRETE JAMBS.

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

11. GUIDE TO JAMB ATTACHMENT FASTENERS BEGIN 4" FROM FLOOR AND 4" BELOW TOP OF THE WALL OPENING.

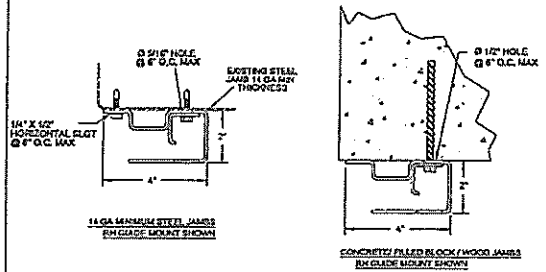
12. TEST DOOR WALL OPENING SIZE: 14'-0" X 15'-0".



14 GA MINIMUM STEEL JAMBS
RH GUIDE MOUNT SHOWN

CONCRETE / FILLED BLOCK / WOOD JAMBS
RH GUIDE MOUNT SHOWN

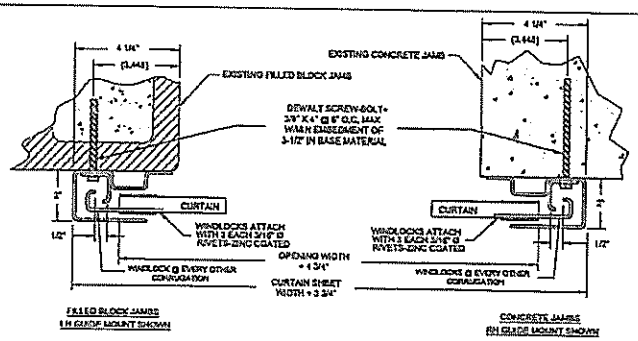
SUPERIMPOSED LOAD DIAGRAM



14 GA MINIMUM STEEL JAMBS
RH GUIDE MOUNT SHOWN

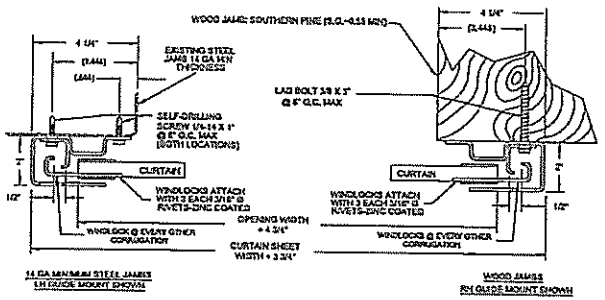
CONCRETE/ FILLED BLOCK / WOOD JAMBS
RH GUIDE MOUNT SHOWN

12 GA (.105)
GUIDE MOUNTING DETAIL



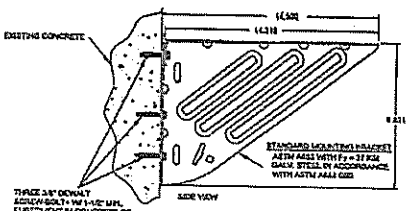
FILLED BLOCK JAMBS
RH GUIDE MOUNT SHOWN

CONCRETE JAMBS
RH GUIDE MOUNT SHOWN



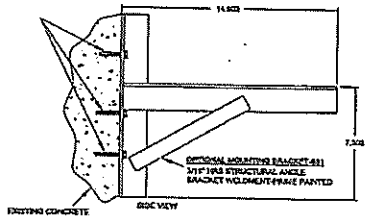
14 GA MINIMUM STEEL JAMBS
RH GUIDE MOUNT SHOWN

WOOD JAMBS
RH GUIDE MOUNT SHOWN



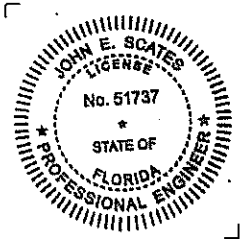
THREE 3/8" DEWALT SCREW-BOLT+ W/ 1-1/2" MIN. EMBEDMENT IN CONCRETE OR THREE 3/8" STEEL TYPE BOLTS INTO MIN. 1/8" STEEL. IF EXISTING IS MASONRY, FILL CELL W/ 2500 PSI GROUT.

DOOR MOUNTING BRACKET DETAIL



REVISIONS

REV	DESCRIPTION	DATE	APPROVAL
—	DRAWING RELEASE	4-28-18	CS
A	Added Table For Non-Impact Wind Load Ratings	8-09-18	SR
B	Editorial Changes	7-30-19	SR
C	Add 1850 & 1850-IM	8-7-2020	CS



John E. Scates, P.E.
2560 King Arthur Blvd, Ste 124-S4
Lewisville, TX 75056
FL PE 51737

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

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES LISTED BELOW.

DECIMAL	FRACTIONS	ANGLES	HOLE DIAMETERS
X.XX +/-0.030"	+/-1/16"	+/- 0° 30'	UNDER 0.251 +0.004 -0.003
X.XXX +/-0.005"			0.251 - 0.500 +0.006 -0.003
			OVER 0.500 +0.008 -0.003

	APPROVALS	DATE
DRAWN	SCOTT ROBILLARD	04-24-18
CHECKED	CURT SCHROEDER	04-24-18
APPROVED	CURT SCHROEDER	04-24-18

PART NUMBER:
MATERIAL:
FINISH:
UNIT OF MEASURE:

JANUS INTERNATIONAL GROUP, LLC.
135 JANUS INTERNATIONAL BLVD TEMPLE, GA 30179
770-562-2850/Fax 770-562-2264
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CERTIFIED WIND LOAD RATED 26 GA.
SERIES 1850/1850-IM & 3100/3100-IM
DOOR ASSEMBLY

SIZE	DRAWING NUMBER	REV.
B	T1015	C

SCALE: NONE | SHEET: 2 OF 2

FBC APPROVED PRODUCT LIST

CATEGORY	SUBCATEGORY	MANUFACTURER & PRODUCT	APPROVAL NUMBER	MAX ALLOWABLE WINDSPEED (MPH)
STRUCTURAL COMPONENT	ROOF DECK	CARPORTS ANYWHERE, HAMPTON RIB ROOF PANEL	27402.1	180
STRUCTURAL COMPONENT	STRUCTURAL WALL	CARPORTS ANYWHERE, HAMPTON RIB WALL PANEL	27403.1	180
STRUCTURAL COMPONENT	STRUCTURAL WALL	CARPORTS ANYWHERE, RESI-LAP SIDING WALL PANEL	27403.2	180
PANEL WALLS	WALL LOUVER (FLOOD VENT)	FLOOD SOLUTIONS, LLC., FS & FS HEX	17588.1	N/A
EXTERIOR DOOR	SWINGING	ELIXER DOOR & METAL CO., SERIES 230 W9 STEEL O.S DOOR W/ COTTAGE WINDOW	17996.2	180
EXTERIOR DOOR	SWINGING	ELIXER DOOR & METAL CO., SERIES 407 VINYL STEEL OUT-SWINGING REGULAR DOOR - BLANK (NO WINDOW)	17996.5	180
EXTERIOR DOOR	ROLL-UP	ASTA DOOR CORPORATION, 203 WINDLOCK	8888.1	150
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 3100: +40/-40	21450.3	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 3100: +42.5/-45	21450.4	180
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 750: MAX 8'x12' +24.4/-27	21450.9	160
EXTERIOR DOOR	ROLL-UP	JANUS INTERNATIONAL GROUP, LLC., SERIES 750: MAX 10'x12' +19.4/-22.7	21450.10	140
WINDOW	SINGLE HUNG	POCAHONTAS ALUMINUM COMPANY, INC., 100 VS VERTICAL SLIDING WINDOW	12940.1	150
WINDOW	SINGLE HUNG	MI WINDOWS AND DOORS, 185 SH	17499.1	180

POST/TRUSS MAXIUM SPACINGS

ULTIMATE WINDSPEED (MPH)	STRUCTURE WIDTH (FT)	MAXIMUM POST/TRUSS SPACING (FT)
120-150	6-24	5.0
120-150	>24-30	4.0
>150	ALL	4.0

NOTES:
1. NOT APPLICABLE FOR STRUCTURES WITH A MEAN ROOF HEIGHT OVER 20 FEET AND/OR ROOF PITCH STEEPER THAN 6:12
2. APPLICABLE ONLY FOR ANY MATERIALS LISTED ON THE APPROVED PRODUCTS CHART AND FRAMING INDICATED IN THE GENERAL NOTES AND DETAILS
3. 5' O.C. REQUIRES VERTICAL ROOF.

GROUND ANCHOR LENGTH

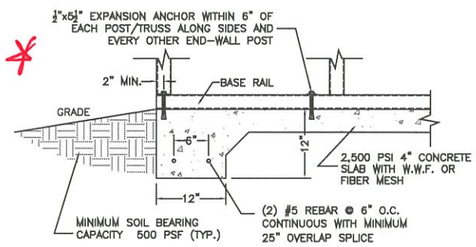
(ALL BUILDING WIDTHS ≤ 30')	WIND SPEED (MPH)			
SOIL TYPE	≤ 140	145-155	160-170	175-180
VERY DENSE AND/OR CEMENTED SAND, COARSE GRAVEL, COBBIES, PRELOADED SILTS, CLAYS AND CORAL	30"	30"	48"	48"
MEDIUM DENSE COARSE SANDS, SANDY GRAVEL, VERY STIFF SILTS AND CLAYS	30"	48"	48"	60"
LOOSE TO MEDIUM DENSE SANDS, FIRM TO STIFF CLAYS, SILTS AND ALLUVIAL FILL	48"	48"	60"	60"
LOOSE SANDS, FIRM CLAYS, SILTS AND ALLUVIAL FILL	48"	60"	60"	60"

NOTES:
SUB-GRADE SOILS:
-TO BE TERMITE TREATED AND COVERED WITH 6 MIL VAPOR RETARDANT PER SECTION R318 AND 1816 OF THE 2020 FLORIDA BUILDING CODE, 7TH EDITION
CONCRETE:
-MINIMUM 2,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS
-ALL OPEN AREAS OF CONCRETE OUTSIDE OF THE PROPOSED STRUCTURE SHALL BE DESIGNED TO SLOPE AWAY FROM THE STRUCTURE
REINFORCING STEEL (REBAR) REQUIREMENTS:
-MINIMUM GRADE 40 STEEL
-REBAR MAY BE BENT IN SHOP OR FIELD PROVIDED:
  -THE REBAR IS BENT COLD
  -THE DIAMETER OF THE BEND MEASURED ON THE INSIDE DOES NOT EXCEED 6-BAR DIAMETERS: AND
  -REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT EXCEPT IN CASES WHERE DOWELS NEED TO BE BENT TO ALIGN WITH A VERTICAL CELL. THESE REBAR MAY BE BENT NOT TO EXCEED TO SLOPE OF 1" HORIZONTALLY TO 6" VERTICALLY.
-COVER:
  -3" COVER MINIMUM WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH SOIL OR WEATHER, AND 1½" ELSEWHERE. REBAR EMBEDDED IN GROUTED CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF ¼" FOR FINE GROUT, AND ½" FOR COARSE GROUT BETWEEN REBAR AND ANY FACE OF A CELL. REBAR USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN 2" FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER, AND 1½" FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER.
GALVANIZATION:
-METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153, CLASS B-2. METAL PLATE CONNECTORS, SCREWS, BOLTS, AND NAILS EXPOSED DIRECTLY TO WEATHER SHALL BE STAINLESS STEEL OR HOT DIPPED GALVANIZED.

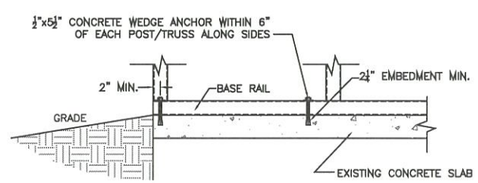
THESE PLANS PERTAIN ONLY TO THE STRUCTURE, INCLUDING MAIN WIND FORCE RESISTING SYSTEM, COMPONENTS AND CLADDING, AND BASE RAIL ANCHORAGE. OTHER DESIGN ISSUES, INCLUDING BUT NOT LIMITED TO PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, FINISH FLOOR ELEVATION AND SLOPE, OR OTHER LOCAL ZONING REQUIREMENTS ARE THE RESPONSIBILITY OF OTHERS.

THESE STRUCTURES ARE DESIGNED AS NON-HABITABLE UTILITY/STORAGE BUILDINGS (RISK CATEGORY I) CAPABLE OF SUPPORTING DEAD LOAD OF THE STRUCTURE AND APPLICABLE LIVE AND WIND LOADS. IMPROVEMENTS NOT SPECIFICALLY ADDRESSED HEREIN, INCLUDING DOORS, WINDOWS, OR OTHER COMPONENTS NOT LISTED IN THE FBC APPROVED PRODUCTS LIST (THIS SHEET), AND NOT PROVIDED AND INSTALLED BY CARPORTS ANYWHERE, INC., WHICH EXERT ADDITIONAL LOADS ON THE STRUCTURE SHALL BE AT THE OWNER'S RISK. CARPORTS ANYWHERE NOR THE ENGINEERING DESIGN SHALL NOT BE RESPONSIBLE FOR STRUCTURAL DAMAGE OR FAILURE DUE TO THE APPLICATION OF ADDITIONAL LOADS.

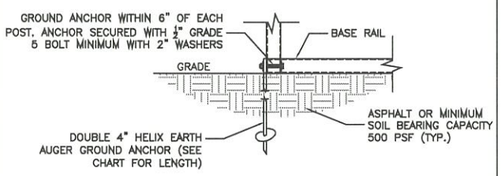
BASE RAIL GROUND ANCHOR REQUIREMENTS: ONE WITHIN 6" OF EVERY POST LOCATION, AND BOTH SIDES OF OPENINGS WHERE BASE RAIL IS ABSENT. GROUND ANCHORS ARE NOT REQUIRED FOR CONCRETE FOOTING AND/OR CONCRETE SLAB CONSTRUCTION. SEE GROUND ANCHOR SCHEDULE (THIS SHEET) FOR SPECIFIC TYPE GROUND ANCHOR REQUIREMENTS.



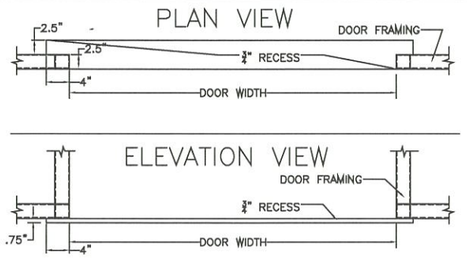
CONCRETE FOUNDATION/BASE RAIL ANCHOR DETAIL



CONCRETE FOUNDATION/BASE RAIL ANCHOR DETAIL (OPEN ONLY)



GROUND ANCHOR BASE RAIL DETAIL



OPTIONAL ROLL-UP DOOR CONCRETE SPLASH-GUARD RECESS

CARPORTS ANYWHERE

CODE INFORMATION	
CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	1
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	Vult: 120-180mph
EXPOSURE	B/C
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.0
ROOF DEAD LOAD	10PSF
ROOF LIVE LOAD	20PSF OR 300lb POINT LOAD
FLOOR DEAD LOAD	10PSF
FLOOR LIVE LOAD	50PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	

REVISIONS

REV	DESCRIPTON	DATE	BY

TITLE: PRODUCTS, ANCHORING, SPACING & CONRETE DETAILS

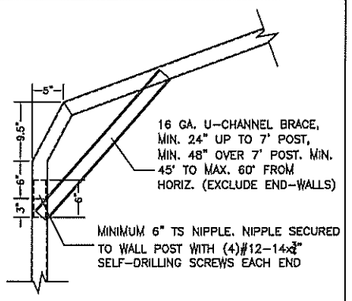
Drawn By: MTB
Date: 5/27/20
Location: FLORIDA
Model#: ENCLOSED GENERIC ENGINEERING

GENERAL NOTES
1. THIS BUILDING IS EXEMPT FROM THE FBC ENERGY CONSERVATION CODE PER SECTION C101.4.2.
2. ALL STEEL TUBING SHALL BE 50 KSI STEEL.
3. PLUMBING, ELECTRICAL, INGRESS/EGRESS, PROPERTY SET-BACKS, AND/OR OTHER LOCAL CODE REQUIREMENTS ARE THE RESPONSIBILITY OF THE OWNER.
4. ROOF AND WALL SHEATHING SECURED WITH #12-14x1" SELF-DRILLING SCREWS WITH SEAL WASHERS @ 6" O.C. MAX.
5. FIELD FRAMING CONNECTIONS SECURED WITH #12-14x3/4" SELF-DRILLING SCREWS.
6. ALL SHOP FRAMING CONNECTIONS ARE TO BE WELDED. NO WELDING ONSITE. ALL WELDING DONE IN SHOP BY A CERTIFIED WELDER.
7. CONCRETE EXPANSIONS ANCHORS ARE TO BE MINIMUM 1/2"x3", 2,500LB TENSILE STRENGTH.
8. 12 OR 14GA. FRAMING IS 2.5"x2.5" TUBE STEEL. NIPPLES ARE 2.25"x2.25" TUBE STEEL.

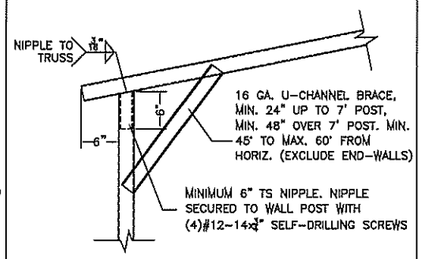
12/21/20

Matthew T. Baldwin P.E.
Florida License #64608

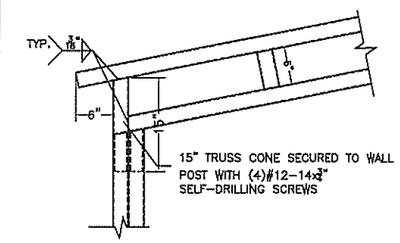
Sheet: CA-1 OF 3



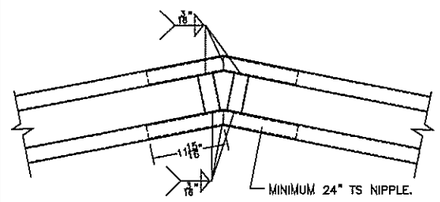
BOW RAFTER TO POST CONNECTION DETAIL



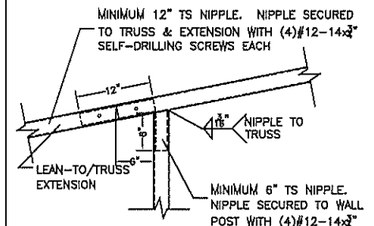
BOX EAVE RAFTER TO POST CONNECTION DETAIL



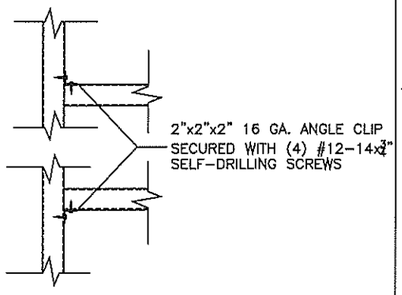
40' BOX EAVE RAFTER TO POST CONNECTION DETAIL



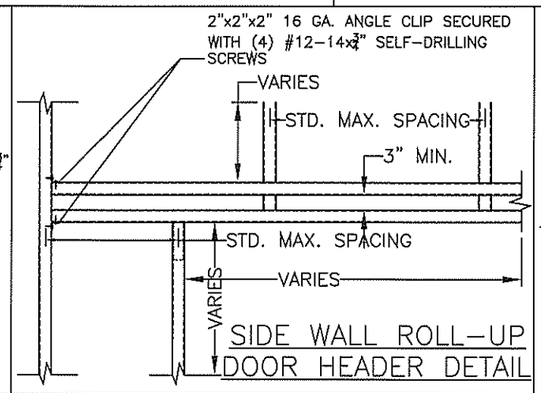
TRUSSED RAFTER CONNECTION DETAIL



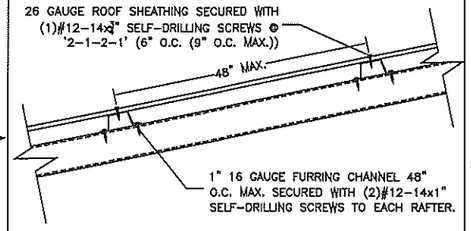
LEAN-TO TO TRUSS CONNECTION



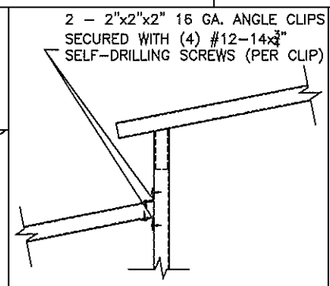
NON-STRUCTURAL HEADER OR WINDOW RAIL TO POST DETAIL



SIDE WALL ROLL-UP DOOR HEADER DETAIL



ROOF PANEL CONNECTION
VERTICAL SHEATHING OPTION



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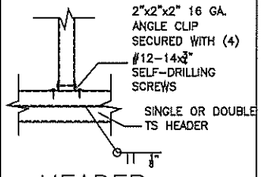
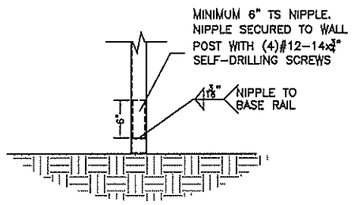
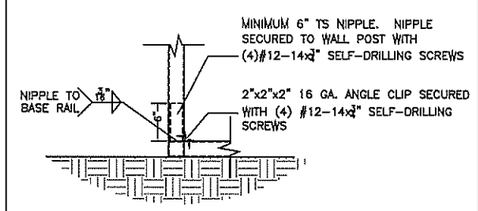


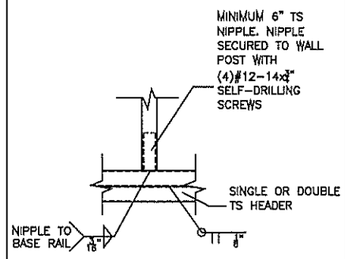
HEADER CONNECTION DETAIL OPTION 1



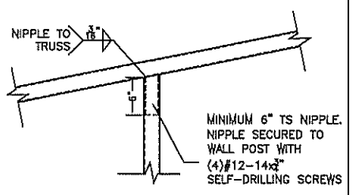
POST TO BASE RAIL CONNECTION



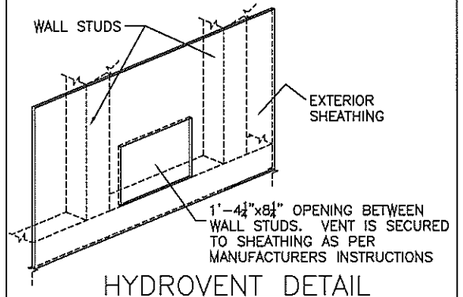
END POST TO BASE RAIL CONNECTION



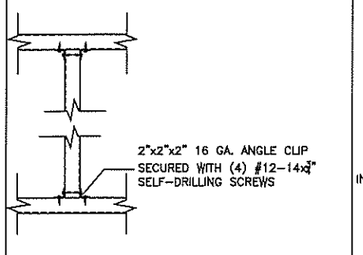
HEADER CONNECTION DETAIL OPTION 2



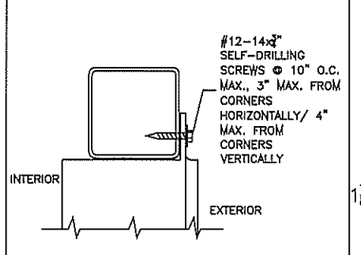
POST TO TRUSS CONNECTION



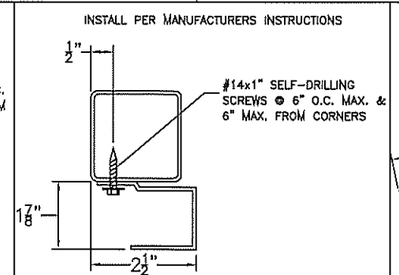
HYDROVENT DETAIL (OPTIONAL)



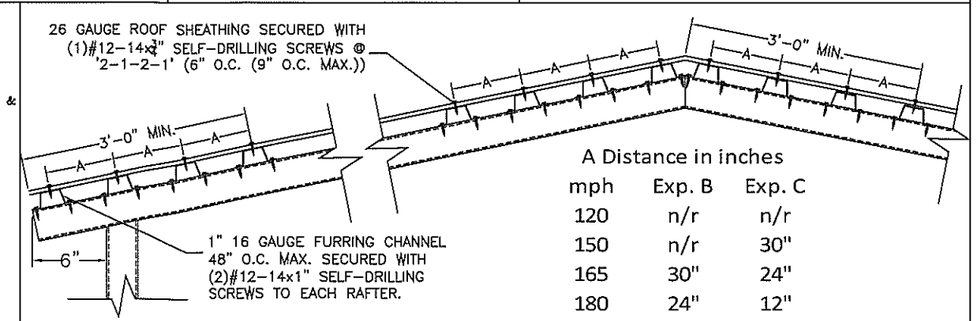
INTERMEDIATE POST TO HEADER/BASE RAIL/OR WINDOW RAIL DETAIL



DOOR FRAME TO POST CONNECTION



ROLL-UP DOOR TO POST CONNECTION



A Distance in inches

mph	Exp. B	Exp. C
120	n/r	n/r
150	n/r	30"
165	30"	24"
180	24"	12"

EAVE & RIDGE REINFORCED ROOF PANEL CONNECTION
(RIDGE 3r AND EAVE 3e)

CARPORTS ANYWHERE

CODE INFORMATION	
CODE VERSION	FBC 2020 7th Edition, ASCE-7-16
MANUFACTURER	CARPORTS ANYWHERE
BUILDING TYPE	UTILITY STRUCTURE
CONSTRUCTION TYPE	II-B
RISK CATEGORY	1
FIRE PROTECTION	NONE
FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
BASIC WIND SPEED	V_{ult}: 120-180mph
EXPOSURE	B/C
ENCLOSURE	ENCLOSED
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
IMPORTANCE FACTOR	1.0
ROOF DEAD LOAD	10PSF
ROOF LIVE LOAD	20PSF OR 300lb POINT LOAD
FLOOR DEAD LOAD	10PSF
FLOOR LIVE LOAD	50PSF
"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	

REVISIONS

REV	DESCRIPTON	DATE	BY

Drawn By: MTB

Date: 5/27/20

Location: FLORIDA

Model#: ENCLOSED GENERIC ENGINEERING

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12/21/20

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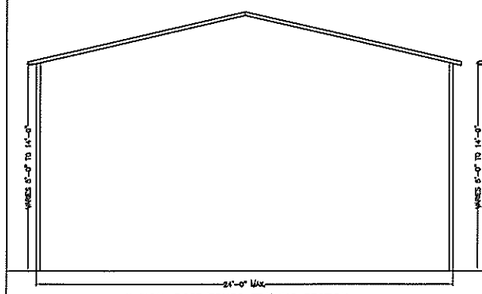
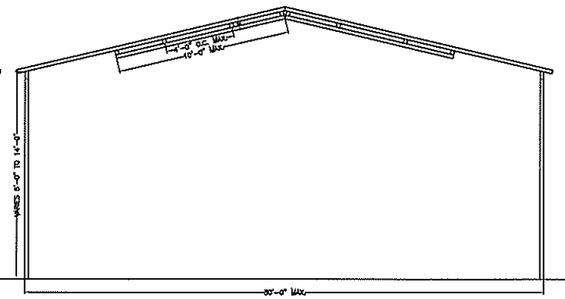
Florida License #64608

TITLE: DETAILS

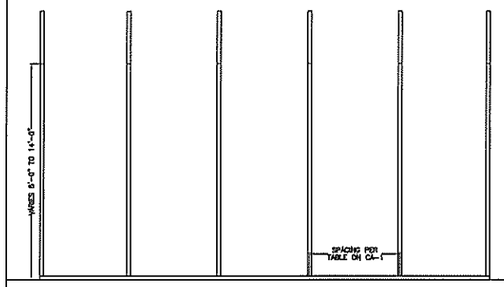
Sheet: CA-2 OF 3



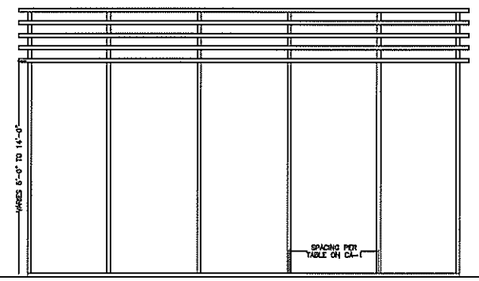
TYPICAL POST/TRUSS FRAMING SECTION –
BOX EAVE, UP TO & INCLUDING 24' WIDE



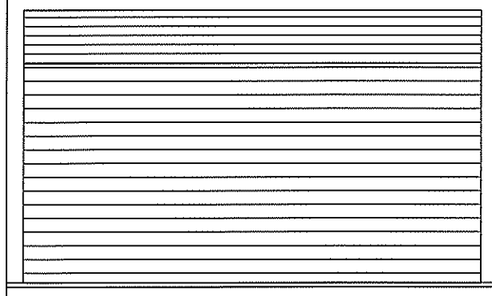
TYPICAL POST/TRUSS FRAMING SECTION –
BOX EAVE, 24'-1" TO 30' WIDE



TYPICAL SIDE WALL FRAMING –
BOX EAVE/BOW FRAME, HORIZONTAL ROOF

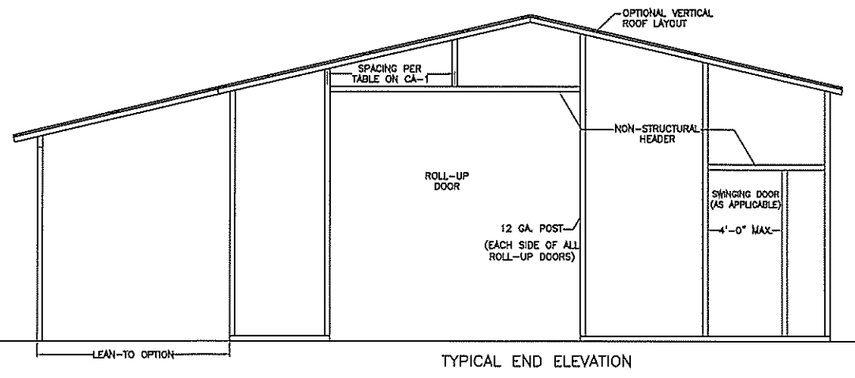


TYPICAL SIDE WALL FRAMING –
BOX EAVE, VERTICAL ROOF

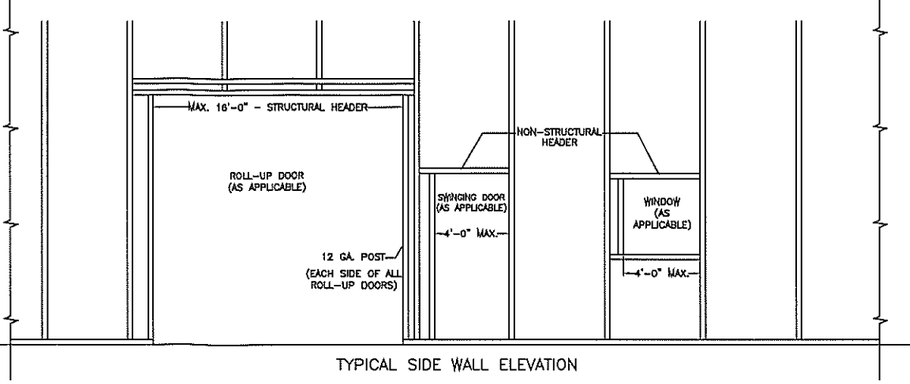


TYPICAL SIDE WALL ELEVATION –
BOW FRAME, HORIZONTAL WALLS & ROOF

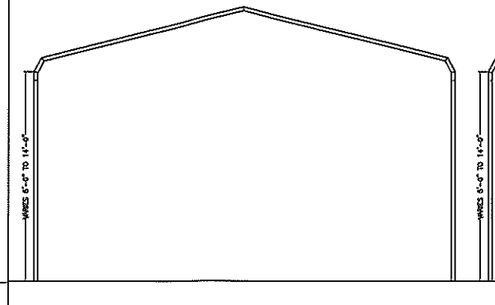
TYPICAL SIDE WALL ELEVATION –
BOX EAVE, HORIZONTAL WALLS (OR LAP) & ROOF

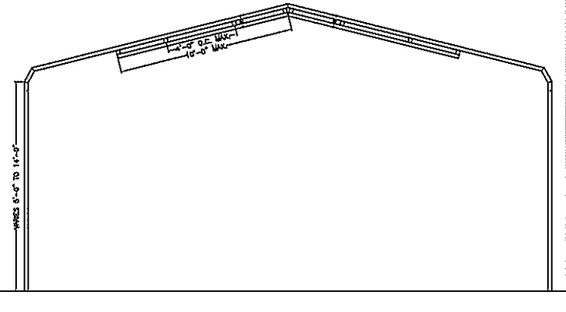


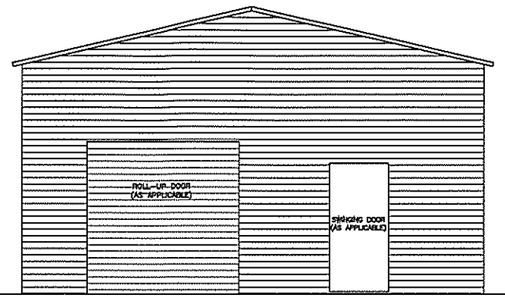
TYPICAL END ELEVATION

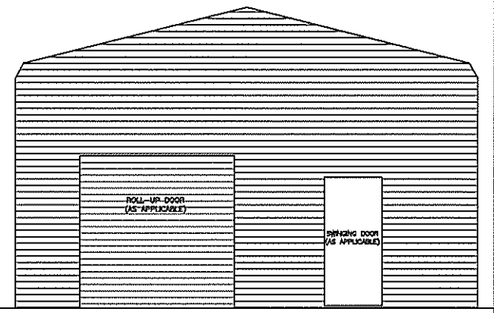


TYPICAL SIDE WALL ELEVATION









CARPORTS ANYWHERE

CODE INFORMATION	
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MANUFACTURER	CARPORTS ANYWHERE
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FIRE SUPPRESSION SYSTEM	NONE
OCCUPANCY	UTILITY U
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EXPOSURE	B/C
ENCLOSURE	ENCLOSED
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ROOF LIVE LOAD	20PSF OR 300lb POINT LOAD
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"R" RATING OF WALLS, FLOOR, ROOF	N/A
MODULES PER BUILDING	1
HURRICANE PROTECTION USAGE	NO
HURRICANE SHELTER USAGE	NO
SQUARE FOOTAGE	

REVISIONS

REV	DESCRIPTON	DATE	BY

Drawn By: MTB

Date: 5/27/20

Location: FLORIDA

Model#: ENCLOSED GENERIC ENGINEERING

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TITLE: LAYOUT VIEWS

Sheet: CA-3 OF 3