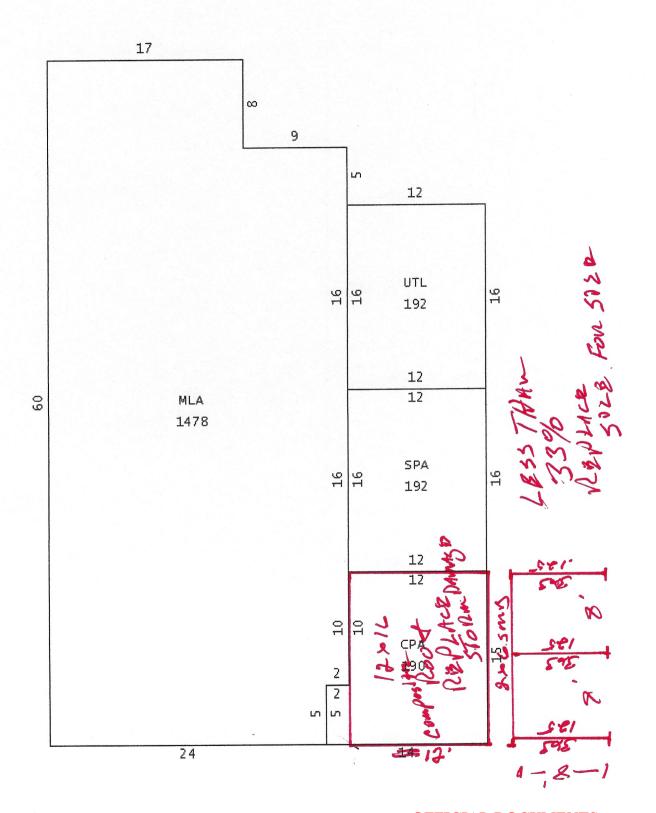
# 808 NEWBURY COURT

# REVIEWED FOR CODE COMPLIANCE



12:42 pm, Jul 14 2023



## **OFFICIAL DOCUMENTS**

Per Sarasota County Ordinance, approved plans must be on-site at time of inspection.

Sarasota County Planning

& Development Services

# **Business & Professional Regulation**





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<u>Product Approval Menu > Product or Application Search > Application List > Application Detail</u>

FL17638-R2 Application Type Revision Code Version 2020 **Application Status** Approved

Comments Archived

Product Manufacturer

Town and Country Industries, Address/Phone/Email 400 West McNab Road Ft. Lauderdale, FL 33309 (954) 493-8551 tomj@tc-alum.com

Authorized Signature Tom Johnston tomj@tc-alum.com

Technical Representative Thomas B. Johnston Address/Phone/Email 400 west McNab Rd. Ft. Lauderdale, FL 33309 (954) 970-9999 tomj@tc-alum.com

Quality Assurance Representative Address/Phone/Email

Category Roofing Subcategory Metal Roofing

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 Frank L. Bennardo, P.E.

**Evaluation Report** 

Florida License PE-0046549

Quality Assurance Entity National Accreditation and Management Institute

Quality Assurance Contract Expiration Date 12/31/2024

Validated By ORLANDO L. BLANCO, P.E.

Validation Checklist - Hardcopy Received

Certificate of Independence FL17638 R2 COI INDEP.pdf

Referenced Standard and Year (of Standard) **Standard** <u>Year</u> ASTM E330 2014

Equivalence of Product Standards

Certified By

Sections from the Code

### **OFFICIAL DOCUMENTS**

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Product Approval Method 1 Option D

Date Submitted07/27/2020Date Validated07/28/2020Date Pending FBC Approval07/30/2020Date Approved10/13/2020

### **Summary of Products**

FL # Model, Number or Name		Description				
17638.1	3" Aluminum Roof Riser Panels	3" Aluminum Roof Riser Panels				
Limits of Use Approved for use in H' Approved for use outs Impact Resistant: No Design Pressure: N/A Other: See Installation I Pressure Tables		Installation Instructions FL17638 R2 II DWG.pdf Verified By: Frank L. Bennardo, P.E. PE0046549 Created by Independent Third Party: Yes Evaluation Reports FL17638 R2 AE EVAL.pdf Created by Independent Third Party: Yes				

Back Next

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

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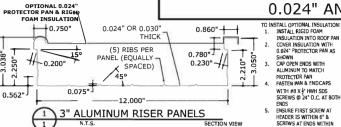
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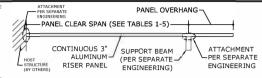
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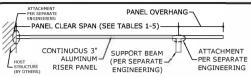
Bennardo

# 3" ALUMINUM ROOF RISER PANELS

0.024" AND 0.030" THICK CLEAR SPAN TABLES







# 2 3" ALUMINUM RISER PANELS

TABLE 1: OPEN ROOF ALLOWABLE PANEL SPANS (OPEN, AT EAVE TABLE 2: OPEN ROOF ALLOWABLE PANEL SPANS (OPEN, AT EAVE

HEIGHT WITHOUT OVERHANG)					HEIGHT WITH OVERHANG)						
WND SPEED	EXPOSURE CATEGORY	GRAVITY DESIGN PRESSURE (+)	UPLIFT DESIGN PRESSURE (-)	MAXIMUM SPAN (0.024")	MAXIMUM SPAN (0.030")	WIND SPEED	EXPOSURE CATEGORY	GRAVITY DESIGN PRESSURE (+)	UPLIFT DESIGN PRESSURE (-)	MAXIMUM SPAN (0.024")	MAXIMUM SPAN (0.030")
110 MPH	В	16.56 PSF	-13.47 PSF	114.8"	134.0"	110 MPH	В	16.56 PSF	-13.47 PSF	120.0"	134.0"
110 MPH	С	18.05 PSF	-16.58 PSF	112.1"	132.7"	110 MPH	С	18.05 PSF	-16.58 PSF	119.8"	134.0"
115 MPH	В	17.22 PSF	-14.84 PSF	113.9"	133.5"	115 MPH	В	17.22 PSF	-14.84 PSF	120.0"	134.0"
115 MPH	С	18.85 PSF	-18.23 PSF	105.4"	131.9"	115 MPH	С	18.85 PSF	-18.23 PSF	112.5"	134.0"
120 MPH	В	17.90 PSF	-16.26 PSF	113.0"	132.8"	120 MPH	В	17.90 PSF	-16.26 PSF	120.0"	134.0"
120 MPH	С	19.68 PSF	-19.96 PSF	98.3"	131.1"	120 MPH	С	19.68 PSF	-19.96 PSF	104.9"	134.0"
130 MPH	В	19.36 PSF	-19.29 PSF	101.0"	131.4"	130 MPH	В	19.36 PSF	-19.29 PSF	107.9"	134.0"
130 MPH	С	21.45 PSF	-23.63 PSF	83.2"	129.4"	130 MPH	С	21.45 PSF	-23.63 PSF	88.8"	134.0"
140 MPH	В	20.94 PSF	-22.57 PSF	87.5"	129.9"	140 MPH	В	20.94 PSF	-22.57 PSF	93.5"	134.0"
140 MPH	С	23.36 PSF	-27.60 PSF	66.9"	122.7"	140 MPH	С	23.36 PSF	-27.60 PSF	71.4"	131.0"
150 MPH	В	22.63 PSF	-26.09 PSF	73.1"	125.7"	150 MPH	В	22.63 PSF	-26.09 PSF	78.0"	134.0"
150 MPH	С	25.41 PSF	-31.86 PSF	//////	114.0"	150 MPH	С	25.41 PSF	-31.86 PSF		121.8"
160 MPH	В	24.44 PSF	-29.84 PSF	57.7"	118.1"	160 MPH	В	24.44 PSF	-29.84 PSF	61.6"	126.2"
160 MPH	С	27.60 PSF	-36.42 PSF	V////8\$/////	104.8"	160 MPH	С	27.60 PSF	-36.42 PSF	////88	111.9"
170 MPH	В	26.63 PSF	-33.85 PSF	////88	110.0"	170 MPH	В	26.63 PSF	-33.85 PSF		117.5"
170 MPH	С	29.93 PSF	-41.27 PSF		95.0"	170 MPH	С	29.93 PSF	-41.27 PSF	///////////////////////////////////////	101.4"
180 MPH	В	28.41 PSF	-38.09 PSF		101.4"	180 MPH	В	28.41 PSF	-38.09 PSF		108.3"
180 MPH	С	32.54 PSF	-46.41 PSF		84.5"	180 MPH	С	32.54 PSF	-46.41 PSF		90.3"

#### TABLE 2 NOTES

- THE ALLOWABLE PRESSURES (ASD) LISTED IN THIS TABLE WERE DERIVED USING ASCE 7-16 "ATTACHED CANOPY" METHODOLOGY
- THIS TABLE ASSUMES A ROOF OVERHANG BETWEEN 18" MINIMUM AND 24" MAXIMUM. IF DESIRED ROOF OVERHANG IS LESS

#### TABLE 3: OPEN ROOF ALLOWABLE PANEL SPANS (OPEN, BELOW TABLE 4: OPEN ROOF ALLOWABLE PANEL SPANS (OPEN, BELOW EAVE HEIGHT WITH OVERHANG) **EAVE HEIGHT WITHOUT OVERHANG)**

WIND SPEED	EXPOSURE CATEGORY	GRAVITY DESIGN PRESSURE (+)	UPLIFT DESIGN PRESSURE (-)	MAXIMUM SPAN (0.024")	MAXIMUM SPAN (0.030")	WIND SPEED	EXPOSURE CATEGORY	GRAVITY DESIGN PRESSURE (+)	UPLIFT DESIGN PRESSURE (-)	MAXIMUM SPAN (0.024")	MAXIMUM SPAN (0.030")
110 MPH	В	16.56 PSF	-8.20 PSF	114.8"	134.0"	110 MPH	В	16.56 PSF	-8.20 PSF	120.0"	134.0"
110 MPH	С	18.05 PSF	-10.18 PSF	112.8"	132.7"	110 MPH	С	18.05 PSF	-10.18 PSF	120.0"	134.0"
115 MPH	В	17.22 PSF	-9.07 PSF	113.9"	133.5"	115 MPH	В	17.22 PSF	-9.07 PSF	120.0"	134.0"
115 MPH	С	18.85 PSF	-11.24 PSF	111.8"	131.9"	115 MPH	С	18.85 PSF	-11.24 PSF	119.4"	134.0"
120 MPH	В	17.90 PSF	-9.98 PSF	113.0"	132.8"	120 MPH	В	17.90 PSF	-9.98 PSF	120.0"	134.0"
120 MPH	С	19.68 PSF	-12.35 PSF	110.7"	131.1"	120 MPH	С	19.68 PSF	-12.35 PSF	118.2"	134.0"
130 MPH	В	19.36 PSF	-11.92 PSF	111.1"	131.4"	130 MPH	В	19.36 PSF	-11.92 PSF	118.7"	134.0"
130 MPH	С	21.45 PSF	-14.70 PSF	108.3"	129.4"	130 MPH	С	21.45 PSF	-14.70 PSF	115.7"	134.0"
140 MPH	В	20.94 PSF	-14.02 PSF	109.0"	129.9"	140 MPH	В	20.94 PSF	-14.02 PSF	116.4"	134.0"
140 MPH	С	23.36 PSF	-17.24 PSF	105.8"	127.6"	140 MPH	С	23.36 PSF	-17.24 PSF	113.0"	134.0"
150 MPH	В	22.63 PSF	-16.27 PSF	106.7"	128.3"	150 MPH	В	22.63 PSF	-16.27 PSF	114.0"	134.0"
150 MPH	С	25.41 PSF	-19.97 PSF	98.2"	125.6"	150 MPH	С	25.41 PSF	-19.97 PSF	104.9"	134.0"
160 MPH	В	24.44 PSF	-18.68 PSF	103.5"	126.5"	160 MPH	В	24.44 PSF	-18.68 PSF	110.6"	134.0"
160 MPH	С	27.60 PSF	-22.88 PSF	86.3"	123.5"	160 MPH	С	27.60 PSF	-22.88 PSF	92.1"	131.9"
170 MPH	В	26.63 PSF	-21.24 PSF	93.0"	124.4"	170 MPH	В	26.63 PSF	-21.24 PSF	99.3"	132.9"
170 MPH	С	29.93 PSF	-25.99 PSF	73.5"	121.2"	170 MPH	С	29.93 PSF	-25.99 PSF	78.5"	129.5"
180 MPH	В	28.41 PSF	-23.96 PSF	81.8"	122.7"	180 MPH	В	28.41 PSF	-23.96 PSF	87.4"	131.1"
180 MPH	С	32.54 PSF	-29.28 PSF	60.0"	118.7"	180 MPH	С	32.54 PSF	-29.28 PSF	64,0"	126.8"
TABLE 3 NOTES:	171					TABLE 4 NOTES:		•		317	

THE ALLOWABLE PRESSURES (ASD) LISTED IN THIS TABLE WERE DERIVED USING ASCE 7-16 "ATTACHED CANOPY" METHODOLOGY.

THE ALLOWABLE PRESSURES (ASD) LISTED IN THIS TABLE WERE DERIVED USING ASCE 7-16 "ATTACHED CANOPY" METHODOLOGY.

TABLE 1 NOTES:

- THE ALLOWABLE PRESSURES (ASD) LISTED IN THIS TABLE WERE DERIVED USING ASCE 7-16 "ATTACHED CANOPY" METHODOLOGY
- THIS TABLE ASSUMES A ROOF OVERHANG BETWEEN 18" MINIMUM AND 24" MAXIMUM. IF DESIRED ROOF OVERHANG IS LESS THAN

### **DESIGN NOTES**

### GENERAL NOTES

- THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED (TEST REPORT 27.7 OF 400-44-90 PM ACCURATE OF THE TO REPORT TO THE SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND THE STAND THE ST
- HEREIN THE DESIGN PRESSURE CRITERIA LISTED HEREIN (PER ASCE 7-16 "ATTACHED CANOPY SECTION 30.1" METHODS) SHALL BE VERHIED BY LOCAL JURISDICTION AS ACCEPTABLE FOR USE OR SHALL BE DETERMINED SEPARATELY ON A SITE SPECIFIC BASIS AND USED WITHIN THE LIMITATIONS OF THE TABLES HEREIN. ALICEN SEED HEREIN, A LICENSED BRIDGE OR REGISTRED ARCHITECT SHALL PREPARE SITE SECTION DITTOR STEED OF THE SAME PROPAGE OF THE SECTION WITH THIS DOCUMENT. ARE PAST OF A PRODUCT APPROVAL EVALUATION WITH THE VALUATION WITH THE VALUATION FROM SECTION WITH THIS DOCUMENTS SHALL COMPLY WITH CHAPTER 61G20 OF THE SAME PRODUCT APPROVAL USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G20 OF THE SAME PRODUCT APPROVAL USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G20 OF THE SAME PRODUCT APPROVAL USE OF THESE APPROVAL DOCUMENTS SHALL BE TOWN THE SAME PRODUCT APPROVAL USE OF THESE APPROVAL DOCUMENTS SHALL COMPLY WITH CHAPTER 61G20 OF THE SAME PRODUCT APPROVAL USE OF THESE APPROVAL DOCUMENTS SHALL BE ANCHORED PROPERLY TO THE SAME PRODUCT APPROVAL USE OF THE SAME PRODUCT APPROVAL OF THE SAME PRODUCT

- ALL PANEL ATTACHMENTS SHALL BE CERTIFIED PER SEPARATE ENGINEERING ON A SITE
- SPE. THE PARKE AT IMADIFIERS STRING USE AND AND ASSESSED OF THE PROPERTY OF THE PARKET AS THE PARKET

#### TABLE 5: SCREENED ENCLOSURE ALLOWABLE PANEL SPANS (10° MAX ROOF SLOPE, 24" MAX OVERHANG)

WINDSPEED	EXPOSURE CATEGORY	GRAVITY DESIGN PRESSURE (+)	UPLIFT DESIGN PRESSURE (-)	MAXIMUM SPAN (0.024")	MAXIMUM SPAN (0.030")	
110 MPH	В	16.00 PSF	-18.26 PSF	112.6"	134.0"	
110 MPH	С	16.00 PSF	-22.13 PSF	107.4"	133.7"	
115 MPH	В	16.00 PSF	-19.96 PSF	110.3"	134.0"	
115 MPH	С	16.00 PSF	-24.18 PSF	104.7"	129.6"	
120 MPH	В	16.00 PSF	-21.73 PSF	107.9"	134.0"	
120 MPH	С	16.00 PSF	-26.33 PSF	101.8"	125.2"	
130 MPH	В	16.00 PSF	-25.51 PSF	102.9"	126.9"	
130 MPH	С	16.00 PSF	-30.91 PSF	///////////////////////////////////////	115.9"	
140 MPH	В	16.00 PSF	-29.58 PSF	97.5"	118.6"	
140 MPH	С	17.26 PSF	-35.84 PSF	/////889/////	106.0"	
150 MPH	В	16.35 PSF	-33.96 PSF	////88	109.8"	
150 MPH	С	19.81 PSF	-41.15 PSF		95.2"	
160 MPH	8	18.60 PSF	-38.64 PSF		100.3"	
160 MPH	С	22.54 PSF	-46.81 PSF	////88////	83.7"	
170 MPH	В	21.00 PSF	-43.62 PSF	////888/////	90.2"	
170 MPH	С	25.44 PSF	-52.85 PSF		71.5"	
180 MPH	В	23.54 PSF	-48.90 PSF		79.5"	
180 MPH	С	28.53 PSF	-59.25 PSF		58.5"	

TABLE 5 NOTES:
THE ALLOWABLE PRESSURES (ASD) LISTED IN THIS TABLE WERE DERIVED USING ASCE 7-16 "PARTIALLY ENCLOSED STRUCTURE" C&C METHODOLOGY, MONOSLOPE, 10° ROOF SLOPE, 30' MRH FOR EXP. B AND 15' MRH FOR EXP. C, 36 SQFT EFFECTIVE WIND ARE THIS TABLE ALLOWS FOR A ROOF OVERHANG BETWEEN 0' AND 24'.



"AT EAVE HEIGHT" DEFINED AS He = Ho "BEL OW FAVHEIGHT" DEFINED AS HE

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