

WIND MITIGATION OF

EMERALD SEAS CONDOMINIUM ASSOCIATION, INC.



LOCATED AT

3450 OCEAN BEACH BLVD.
COCOA BEACH, FL 32931

FOR

EMERALD SEAS CONDOMINIUM ASSOCIATION, INC.
3450 OCEAN BEACH BLVD.
COCOA BEACH, FL 32931

AS OF

04/17/2025

BY

INSPECTION FIRM OF FLORIDA, LLC
1393 HAILEY ST
WEST MELBOURNE, FL 32904
(321)212-8957
F(775)261-1747
mweekly@infirmafla.com

CITIZENS PROPERTY INSURANCE CORPORATION
BUILDING TYPE II AND III MITIGATION INSPECTION FORM

This Mitigation Inspection Form must be completed to capture mitigation features applicable to a Type II (4 to 6 story) or Type III (7 or more story) building. This Inspection Form is required for either residential condominium unit owners or commercial residential applicants requesting mitigation credits in such buildings.

WIND LOSS MITIGATION INFORMATION			
PREMISES #:		SUBJECT OF INSURANCE: Emerald Sea Condominium	POLICY #:
BUILDING #:	2	STREET ADDRESS: 3400 OCEAN BEACH BLVD	
# STORIES:	8	BLDG DESCRIPTION: 3400 OCEAN BEACH BLVD	
BUILDING TYPE: ☐ II (4 to 6 stories) ☒ III (7 or more stories)			

Terrain Exposure Category must be provided for each insured location.

I hereby certify that the building or unit at the address indicated above **TERRAIN EXPOSURE CATEGORY** as defined under the Florida Building Code is (Check One): ☒ **Exposure C** or ☐ **Exposure B**

Certification below for purposes of **TERRAIN EXPOSURE CATEGORY** above does not require personal inspection of the premises.

Certification of Wind Speed is required to establish the basic wind speed of the location (Complete for Terrain B only if Year Built On or After Jan.1, 2002).

I hereby certify that the basic **WIND SPEED** of the building or unit at the address indicated above based upon county wind speed lines defined under the Florida Building Code (FBC) is (Check One): ☐ **≥100** or ☐ **≥110** or ☒ **≥120**

Certification of Wind Design is required when the buildings is constructed in a manner to exceed the basic wind speed design established for the structure location (Complete for Terrain B only if Year Built On or After Jan.1, 2002).

I hereby certify that the building or unit at the address indicated above is designed and mitigated to the Florida Building Code (FBC) **WIND DESIGN** of (Check One): ☐ **≥100** or ☐ **≥110** or ☐ **≥120**

Certification for the purpose of establishing the basic **WIND SPEED** or **WIND SPEED DESIGN** above does not require personal inspection of the premises.

Specify the type of mitigation device(s) installed:

NOTE: Any documentation used in validating the compliance or existence of each construction or mitigation attribute must accompany this form. At least one photo documenting the existence of each visible and accessible construction or mitigation attribute marked in Sections 1 through 4 must accompany this form.

1. Roof Coverings
Roof Covering Material: <u>Spray Foam Permit: 18-00000477</u> Date of Installation: <u>12/15/2017</u>
☐ Level A (Non FBC Equivalent) – Type II or III One or more roof coverings that do not meet the FBC Equivalent definition requirements below.
☒ Level B (FBC Equivalent) – Type II or III Single-Ply, Modified Bitumen, Sprayed Polyurethane foam, Metal, Tile, Built-up, Asphalt Shingle or Rolled Roofing, or other roof covering membranes/products that at a minimum meet the 2001 or later Florida Building Code or the 1994 South Florida Building Code and have a Miami-Dade NOA or FBC 2001 Product Approval listing that is/was current at the time of installation. All mechanical equipment must be adequately tied to the roof deck to resist overturning and sliding during high winds. Any flat roof covering with flashing or coping must be mechanically attached to the structure with face fasteners (no clip/cleat systems), and asphalt roof coverings on flat roofs must be 10 years old or less.

***This verification form is valid for up to five (5) years provided no material changes have been made to the structure or inaccuracies found on the form.**

CITIZENS PROPERTY INSURANCE CORPORATION
BUILDING TYPE II AND III MITIGATION INSPECTION FORM

2. Roof Deck Attachment

☐ **Level A – Wood or Other Deck Type II only**

Roof deck composed of sheets of structural panels (plywood or OSB).

Or

Architectural (non-structural) metal panels that require a solid decking to support weight and loads.

Or

Other roof decks that do not meet Levels B or C below.

☐ **Level B – Metal Deck Type II or III**

Metal roof deck made of structural panels fastened to open-web steel bar joists and integrally attached to the wall.

☒ **Level C – Reinforced Concrete Roof Deck Type, II or III**

A roof structure composed of cast-in-place or pre-cast structural concrete designed to be self-supporting and integrally attached to wall/support system.

3. Secondary Water Resistance

☐ **Underlayment** A self-adhering polymer modified bitumen roofing underlayment (thin rubber sheets with peel and stick underside located beneath the roof covering and normal felt underlayment) with a minimum width of 6" meeting the requirements of ASTM D 1970 installed over all plywood/OSB joints to protect from water intrusion. All secondary water resistance products must be installed per the manufacturer's recommendations. Roofing felt or similar paper based products are not acceptable for secondary water resistance.

☒ **Foamed Adhesive**

A foamed polyurethane sheathing adhesive applied over all joints in the roof sheathing to protect interior from water intrusion.

4. Opening Protection

☒ **Class A (Hurricane Impact)** – All glazed openings (windows, skylights, sliding glass doors, doors with windows, etc) less than 30 feet above grade must be protected with impact resistant coverings (e.g. shutters), impact resistant doors, and/or impact resistant glazing that meet the Large Missile (9 lb.) impact requirements of:

☐ **SSTD12;**

☐ **ASTM E 1886 and ASTM E 1996;**

☒ **Miami-Dade PA 201, 202, and 203;**

☐ **Florida Building Code TAS 201, 202 and 203.**

All glazed openings less than 30 feet above grade shall meet the Large Missile Test standard referenced above. All glazed openings between 30 and 60 feet above grade must meet the Small Missile Test of the respective standard. For buildings located in the HVHZ (High Velocity Hurricane Zone) all glazed openings greater than 60 feet above grade must also meet the Small Missile Test of the respective standard.

☐ **Class B (Basic Impact)** – All glazed openings (windows, skylights, sliding glass doors, doors with windows, etc) less than 30 feet above grade must be protected with impact resistant coverings (e.g. shutters), impact resistant doors, and/or impact resistant glazing that meet the Large Missile (4.5 lb.) impact requirements of:

☐ **ASTM E 1886 and ASTM E 1996**

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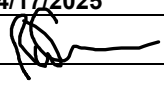
CERTIFICATION

I certify that I hold an active license as a: *(CHECK ONE OF THE FOLLOWING)*

- ☒ **General or building contractor licensed under Section 489.111, Florida Statutes.**
- ☐ **Building code inspector certified under Section 468.607, Florida Statutes.**
- ☐ **Professional architect licensed under Section 481.213, Florida Statutes.**
- ☐ **Professional engineer licensed under Section 471.015, Florida Statutes.**

I also certify that I personally inspected the premises at the Location Address listed above on the inspection date provided on this Mitigation Inspection Form. In my professional opinion, based on my knowledge, information and belief, I certify that the above statements are true and correct.

This Mitigation Inspection Form and the information set forth in it are provided solely for the purpose of verifying that certain structural or physical characteristics exist at the Location Address listed above and for the purpose of permitting the Named Insured to receive a property insurance premium discount on insurance provided by Citizens Property Insurance Corporation and for no other purpose. The undersigned does not make a health or safety certification or warranty, express or implied, of any kind, and nothing in this Form shall be construed to impose on the undersigned or on any entity to which the undersigned is affiliated any liability or obligation of any nature to the named insured or to any other person or entity.

Name of Company:	<u>INSPECTION FIRM OF FLORIDA, LLC</u>	Phone:	<u>321-212-8957</u>
Name of Inspector	<u>ROBERT CROWE</u>	License Type	<u>CGC</u>
		License #	<u>1525976</u>
Inspection Date:	<u>04/17/2025</u>		
Signature:	 <u>UCC 1-308</u>	Date:	<u>04/23/2025</u>
Applicant /Insured's Signature *:	_____	Date:	_____

*Applicant /Insured's signature must be from the Board President and another member of the board for condo and homeowner's associations or an officer of the named insured for all other business entities.

"Any person who knowingly and with intent to injure, defraud, or deceive any insurer files a statement of claim or an application containing any false, incomplete, or misleading information is guilty of a felony of the third degree."

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☐ **Level A (Non FBC Equivalent) – Type II or III**

One or more roof coverings that do not meet the FBC Equivalent definition requirements below.

☒ **Level B (FBC Equivalent) – Type II or III**

Single-Ply, Modified Bitumen, Sprayed Polyurethane foam, Metal, Tile, Built-up, Asphalt Shingle or Rolled Roofing, or other roof covering membranes/products that at a minimum meet the 2001 or later Florida Building Code or the 1994 South Florida Building Code and have a Miami-Dade NOA or FBC 2001 Product Approval listing that is/was current at the time of installation.

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☐ **Level B – Metal Deck Type II or III**

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☐ **ASTM E 1886 and ASTM E 1996;**

☒ **Miami-Dade PA 201, 202, and 203;**

☐ **Florida Building Code TAS 201, 202 and 203.**

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BUILDING TYPE II AND III MITIGATION INSPECTION FORM**

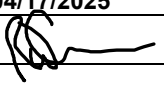
CERTIFICATION

I certify that I hold an active license as a: *(CHECK ONE OF THE FOLLOWING)*

- ☒ **General or building contractor licensed under Section 489.111, Florida Statutes.**
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Name of Company:	<u>INSPECTION FIRM OF FLORIDA, LLC</u>	Phone:	<u>321-212-8957</u>
Name of Inspector	<u>ROBERT CROWE</u>	License Type	<u>CGC</u>
		License #	<u>1525976</u>
Inspection Date:	<u>04/17/2025</u>		
Signature:	 <u>UCC 1-308</u>	Date:	<u>04/23/2025</u>
Applicant /Insured's Signature *:	_____	Date:	_____

*Applicant /Insured's signature must be from the Board President and another member of the board for condo and homeowner's associations or an officer of the named insured for all other business entities.

"Any person who knowingly and with intent to injure, defraud, or deceive any insurer files a statement of claim or an application containing any false, incomplete, or misleading information is guilty of a felony of the third degree."

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The Inspection Firm Of Florida, LLC

The Inspection Firm Of Florida, LLC
1393 Hailey St
West Melbourne, FL 32904
(321)212-8957

The Inspection Firm of Florida, LLC uses various sources to accumulate data on construction material and labor prices in order to arrive at its opinion of cost. The information obtained from these sources is considered to be correct and reasonable, but is not guaranteed. No liability is assumed as a result of inaccuracies or errors in such information or estimates, although reasonable efforts have been made to confirm them.

Unless noted, each component cost is based on replacing that component as a complete unit at one time.

While all cost data is believed to be accurate and reliable to within reasonable limits, other factors such as inflation, availability of materials and qualified personnel and/or acts of nature as well as catastrophic conditions, could significantly affect current prices.

No consideration has been given to labor bonuses; material premiums; additional costs to conform property replaced to building codes, ordinances or other legal restrictions; or the cost of demolition in connection with replacement or the removal of destroyed property. No value of land has been included.

We have no present or contemplated future interest in the property that is the subject of this report and that we have no personal interest or bias with respect to the subject matter of this report or the parties involved.

We certify that neither the employment to prepare this report, nor the compensation, is contingent upon the estimates of value contained herein.

In the event that complete construction plans/blueprints were not available for use in the completion of this report, assumptions were made regarding unseen construction components, based on our experience with properties similar to the subject. The same applies if access was not provided. In the event that these assumptions are in error, we reserve the right to modify this appraisal, including value conclusions.

Information, estimates, and opinions furnished and contained in this report were obtained from sources considered reliable and are believed to be true and correct. However, for accuracy of such items furnished or limitations due to access, we can assume no responsibility.

Our assessment of the useful and remaining lives and/or physical condition of the assets described within has been based upon visual inspection. No testing has been performed. No warranty is made and no liability is assumed for the soundness of the structure or its components.

The report data derived and expressed within is not applicable to any other property regardless of similarity.

The authors of this report shall not be required to give testimony or appear in court or at any administrative proceeding relating to this report, unless this report is, by agreement, made in anticipation of litigation.

The liability of The Inspection Firm of Florida, LLC, the author(s) of this report, and any other employees of The Inspection Firm of Florida, LLC is limited in total to the fee collected for preparation of this report.



The Inspection Firm Of Florida, LLC

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According to the best of our knowledge and belief, the statements of fact contained in this report which are used as the basis of the analysis, opinions and conclusions stated herein, are true and correct.

Acceptance of, and/or use of, this report constitutes acceptance of the above conditions. Receipt of this report means that our final payment is now past due.



The Inspection Firm Of Florida, LLC

The Inspection Firm Of Florida, LLC
1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



1

1-DJI_0709

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

The Inspection Firm Of Florida, LLC
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West Melbourne, FL 32904
(321)212-8957



2

2-DJI_0710

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



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The Inspection Firm Of Florida, LLC
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West Melbourne, FL 32904
(321)212-8957



3

3-DJI_0711

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



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1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



4	4-DJI_0712	Date Taken: 4/17/2025	Taken By: MICHAEL WEEKLY
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1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



5

5-3450 FRONT ELEVATION

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

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1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



6

6-3450 RIGHT ELEVATION

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

The Inspection Firm Of Florida, LLC
1393 Hailey St
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7

7-3450 REAR ELEVATION

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

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(321)212-8957



8

8-3450 REAR ELEVATION

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

The Inspection Firm Of Florida, LLC
1393 Hailey St
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9

9-3450 LEFT ELEVATION

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

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1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



10 10-3450 OVERVIEW

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

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West Melbourne, FL 32904
(321)212-8957



11 11-3400 FRONT ELEVATION Date Taken: 4/17/2025 Taken By: MICHAEL WEEKLY



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1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



12 12-3400 RIGHT ELEVATION Date Taken: 4/17/2025 Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

The Inspection Firm Of Florida, LLC
1393 Hailey St
West Melbourne, FL 32904
(321)212-8957



13 14-3400 REAR ELEVATION Date Taken: 4/17/2025 Taken By: MICHAEL WEEKLY



The Inspection Firm Of Florida, LLC

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14 15-3400 REAR ELEVATION Date Taken: 4/17/2025 Taken By: MICHAEL WEEKLY



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15 16-3400 REAR ELEVATION Date Taken: 4/17/2025 Taken By: MICHAEL WEEKLY



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16 18-3400 LEFT ELEVATION Date Taken: 4/17/2025 Taken By: MICHAEL WEEKLY



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17 19-3400 OVERVIEW

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



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18 20-3400 OVERVIEW

Date Taken: 4/17/2025

Taken By: MICHAEL WEEKLY



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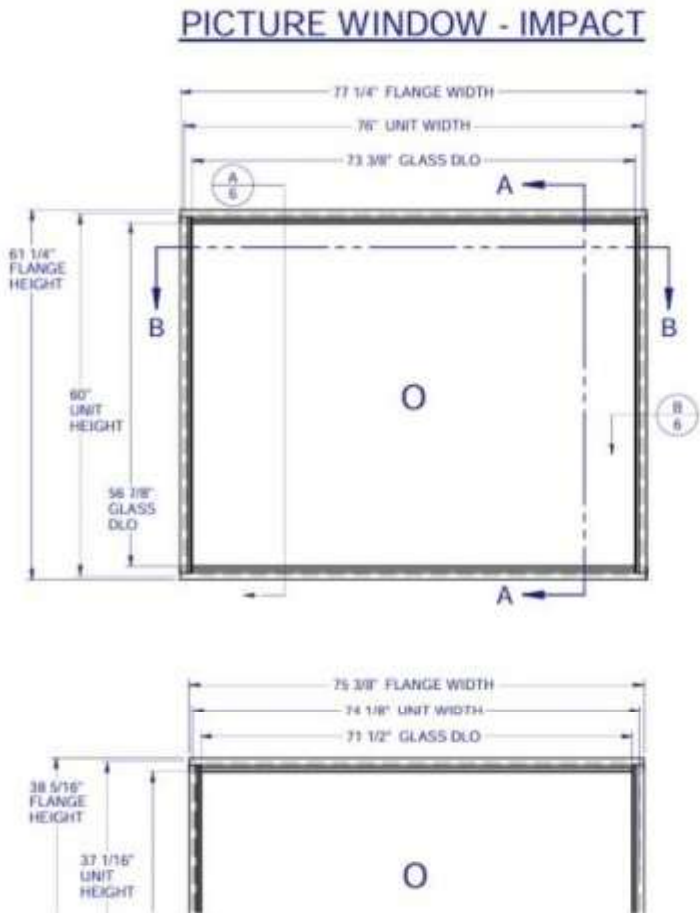
19 25-DOOR RATING

Taken By: MICHAEL WEEKLY



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GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY WIND ZONE 4 MISSILE LEVEL D IMPACT REQUIREMENTS OF THE FBC.
2. GLAZING DETAIL: (SEE SHEET 2)
3. CONFIGURATIONS: "O"
4. DESIGN PRESSURES:
-NEGATIVE DESIGN LOADS BASED ON TABLES ASTM E-1300-04e01/09.
-POSITIVE DESIGN LOADS BASED ON INFILTRATION TEST PRESSURE, AIR
5. ANCHORAGE: THE 33 1/3% STRESS IN DESIGN OF THIS PRODUCT. SEE SHEET 2 FOR LOAD DURATION FACTOR Cd=1.6 WITH CALCULATIONS.
6. PRODUCTS APPROVED FOR IMPACT REQUIRED.
7. ALL RECTANGULAR FRAMES SCREWED TOGETHER AT AN ANGLE GREATER THAN 105 DEGREES OR LESS TOGETHER. SMALL JOINT SEAM SEALS.
8. SERIES / MODEL DESIGNATION PW-1
9. THE DESIGNATION X AND O STAND FOR:
O = FIXED LITE
10. SECTION CALLOUTS APPLY TO ALL

Application Inquiry

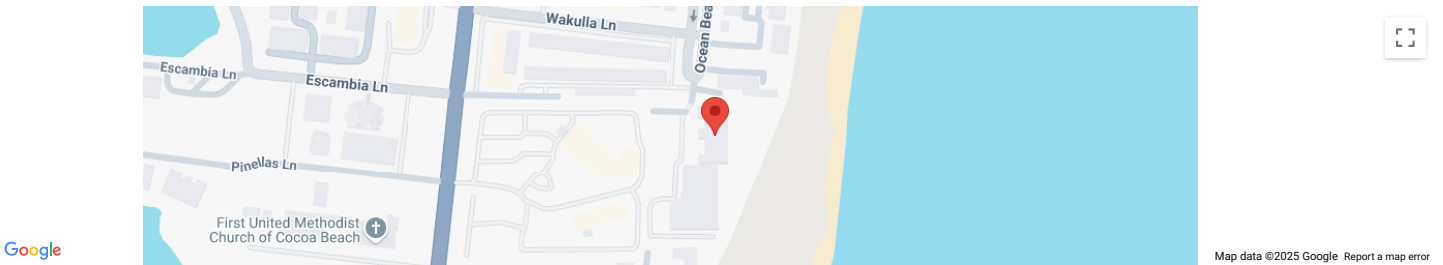
Application 18-00000477

Collapse All

Property Information

Address: 3450 OCEAN BEACH BLVD
COCOA BEACH, FL 32931
Location ID: 10717
Owner name:
Parcel ID: 24 -38-35-CL- -3.01
Alternative ID: 2442087
Zoning: CT1 OCEAN FRONT TRANSIENT/RES
Subdivision: YOUNG & METZNER'S

Property Map



Application Information

Application desc: remove roof,instal spray poly foam roof w/ topcoat
Application status: CLOSED/FINALED
Status Date: 12/15/2017
Application type: ROOF AND REROOF
Application date: 11/18/2017
Valuation: 283000
Square footage: 40000
Public building: NO
Reviewed by: JC JOHN 'JAY' CASTILLO
Pin number: 725195
Entered by: RS3034

Contractor Information

Contractor Name: A1 ROOFING, PAINTING AND WATER
Contractor Number: 4294
Type: ROOFING CONTRACTOR
Status: ACTIVE
Contractor Requirements Doc Number Exp Date

STATE LICENSE CCC1327638 8/31/2020
WORKER'S COMPENSATION WC71949 1/01/2021
GENERAL LIABILITY INSURANCE FLGLN01867AX 8/17/2020
COUNTY LICENSE 8/17/2020
OCCUPATIONAL LICENSE 8/17/2020

Outstanding Inspections

Type	Insp ID	Schedule Date	Confirmation Number	Permit Description	Pmt Seq	Min	Max
No outstanding inspections exist							

Work Description

Code	Description	Quantity
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CO Information

Str/seq	CO Issue Date	Status	Description
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- Bonds
- Contractor escrow
- Fees
- Global balance due
- Inspection history
- Miscellaneous information
- Names
- Permits
- Plan tracking
- Receipts
- Square footage calculations
- Structures
- Valuation calculations

Export

Option	Str/Seq	Permit/Seq	Inspection Type	Insp Seq	Inspector	Schedule Date	Results	Results Date	Confirmation Nbr
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Detail	000 000	BLDG 00	BUILDING, FINAL	0001	SM	12/13/2017	AP	12/13/2017	638247
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Product Evaluation Report**Report No.: FL-20468.1****Date: July 20, 2023**

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Therma Tru Corporation 118 Industrial Drive Edgerton, OH 43517 Phone 419.298.1740	Fiber-Classic & Smooth-Star Composite Edge Opaque Fiberglass Single Door Inswing/Outswing "Impact"

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for Therma Tru Corporation based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

Limitations:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of drawing FL-20468.1 require further engineering analysis by a licensed engineer or registered architect.
6. Fiber-Classic & Smooth-Star Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.
7. See drawing FL-20468.1 for size and design pressure limitations.

Supporting Documents:

- | | | | |
|---|--|---|--|
| 1. Test Report No.
ETC 01-741-10700.0
ETC 01-741-10702.0
TEL 01461612
TEL 01460145 | Test Standard
TAS 202-94
TAS 202-94
ASTM E1886-05, E1996-09, E330-02
ASTM E1886-02, E1996-02, E330-02 | Testing Laboratory
ETC Laboratories
ETC Laboratories
Testing Evaluation Lab., Inc.
Testing Evaluation Lab., Inc. | Signed by
Wendell W. Haney, P.E.
Wendell W. Haney, P.E.
V.K. Wright
Lyndon F. Schmidt, P.E. |
| 2. Drawing No.
No. FL-20468.1 | Prepared by
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 3. Calculations
Anchoring | Prepared by
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 4. Quality Assurance
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Therma Tru Corporation is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53. | | | |

Digitally signed by
Lyndon F Schmidt
Date: 2023.07.20
13:53:20 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by L. F. Schmidt on 7-20-23.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

138842 1-A01

6 3/8 x 74 3/8

03 LOW E 366

*** COMPLETE WINDOW
REPLACEMENT ***
REFERENCE ORDER 978233
LINE 1

PALM



LAMI-11A-SGP 7/16 Lami (4.7/.090SGP/4.7)



SER-

985128.0.1.1.1 - 1

984237

30424:1:1

EXT: INT:

Due Date: 5/16/2024

Order/Line: 13868448 1.000

PO: 173455-0001

11.7 A SG E366 S2

6 3/8 X 74 3/8

173455-0001

138842-1-A01



Msg 2: 173455-0001-138842-1-A01

Cust Prt 3: 985128-1

Custom Window Systems - Ocala FL

CARDINAL LG

SCHEDULE 30424

WO#: 82175205

LoE-366

LBS: 17.31

SQFT: 3.29

Shape: 0



3150-PW

ALU Frame - LOW E 366™
Laminated Double Glazed

AIR

COG

FL# 15810.1 / IG NAMI-100629

ENERGY PERFORMANCE RATINGS

U-Factor (U.S. / I-P)

0.95

Solar Heat Gain Coefficient

0.35

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance

0.60

-

DESIGN PRESSURE

As Limited by All Components

+65

-65

Negative Design Pressure Limited by tested pressure and Glass Tables ASTM E1300-04
Positive Design Pressure Limited by water test pressure and Glass Tables ASTM E1300-04

985128.1.1.00.1 : pos 0

50470382/SERV LN 1