

<b>FILED</b>	
Department of Business and Professional Regulation Deputy Agency Clerk	
CLERK	Brandon Nichols
Date	3/20/2019
File #	

PETITION FOR DECLARATORY STATEMENT BEFORE THE FLORIDA BUILDING  
COMMISSION

Jason Malouf  
Vice President of Sales  
Window and Door Design Center  
861 Jupiter Park Drive Suite E  
Jupiter, FL 33458  
561.743.9688  
March 19, 2019

**DS 2019-021**

**Statute(s), agency rule(s), agency order(s), and/or code section(s) on which the declaratory statement is sought:**

- 61G20-3.009

**Background:**

Window and Door Design Center (WDDC) is an elite-level distributor for industry-leading manufacturers and offers an array of high-end to ultra-luxurious windows and doors throughout the state of Florida. We have recently become aware of practices by certain individuals which do not seem to conform to Rule 61G20-3.009(4) in over 1000+ instances (including sub-part numbers e.g. FL# .1, .2, .3, etc.). Given our obligation to ensure that our customers are receiving products both by us and others which must conform to the applicable provisions of the Florida Building Code and also to ensure public safety, we are seeking clarification on if the practices which we outline below are determined to be acceptable by FBC staff (as highlighted for the specific FL approvals shown in Attachment H), as to us they are very seemingly non-conforming to Rule 61G20-3.009(4).

The applicable rule is in italics, with 61G20-3.009(4) further underlined below:

***61G20-3.009 Criteria for Certification of Independence.***

*A certification of independence shall be provided by a Florida registered architect or licensed professional engineer as applicable or by an officer of the entity, agency or laboratory who is responsible for operation of said entity, agency or laboratory that attests to the following:*

*(1) The entity, agency or laboratory does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products tested or labeled by the agency.*

*(2) The entity, agency or laboratory is not owned, operated or controlled by any company manufacturing or distributing products it tests or labels.*

*(3) The Florida registered architect or licensed professional engineer performing an evaluation does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the reports are being issued.*

*(4) The Florida registered architect or licensed professional engineer performing an evaluation does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.*

We have recently been made aware of these potential conflicts to 61G20-3.009(4) as outlined below. We have found over 1000 examples (including FL#.1, .2, .3, etc.) of potential conflicts as outlined in [Attachment H](#). All examples appear to contain some level of conflict as outlined below to the best of our knowledge.

- R.W. Building Consultants and Testing Evaluation Lab are owned by the same group of people (e.g. Vivian Wright is an officer of both companies). You can see that their addresses on sunbiz.org are the same in [Attachment A](#) also. In [Attachment H](#), many FL approvals referenced were tested at Testing Evaluation Lab (abbreviated "TEL") before being prepared by R.W. Building Consultants (abbreviated "RWBC").
- Also in [Attachment H](#), in many cases, L. F. Schmidt (abbreviated "LFS" or "LS") is both the engineer performing the evaluation for the product approval and is also the engineer who signed and sealed the test reports used to make the product approvals. You can see an example of this in [Attachment B](#). Note that L. F. Schmidt is also listed as an officer of RWBC in [Attachment A](#).
- The validator in almost all of the FL approvals in [Attachment H](#) is Ryan J. King. Ryan J. King is also an employee of R.W. Building Consultants. You can see this in [Attachment C](#), where you can see that he has also prepared product approvals on behalf of R.W. Building Consultants. He has been validating these approvals for many years, as shown in [Attachment D](#).
- Not only did Ryan J. King (abbreviated "JK") validate the product approvals while also an employee of R.W. Building Consultants, in many cases it appears that he may have directly helped to prepare the same product approvals. Drawings indicate in many instances initials of "JK" as shown in the example in [Attachment E](#).
- In almost every FL approval shown in [Attachment H](#), R.W. Building Consultants and L. F. Schmidt have issued an evaluation report with a statement of no financial interest in entity other involved in the approval process. This does not appear to be a true statement. An example of this statement is shown in [Attachment G](#).

For example, as shown in [Attachment F](#), in the case of 10975.1 over the past several years through current, R.W. Building Consultants prepared the product approval with test reports provided by Testing Evaluation Lab (where the engineering company and test lab have the same owners). The test report was signed by L. F. Schmidt. The product approval was also signed by L. F. Schmidt. The product approval was drawn by "JK" (which has a reasonable chance to be Ryan J. King) and was then validated by Ryan J. King, who is also an employee of R.W. Building Consultants.

Note that in preparing [Attachment H](#), the general purpose is to identify every potential conflict we have found and to illustrate our point. More potential conflicts could exist. Some typos may exist in [Attachment H](#) due to the large volume of data. Only information on FL approvals valid for the 2017 FBC collected for this attachment (with status of 'Approved' or 'Pending FBC Approval' as of 3-18-19).

**Question(s):**

As outlined for the specific FL approvals referenced in Attachment H, based on 61G20-3.009, and given the evaluation report claims, please comment on if each/any of the following are acceptable (as applicable):

- Is it acceptable for the test lab and entity preparing the product approval to be owned by the same people?
- Is it acceptable for the entity preparing the product approval to have a financial interest in the testing lab?
- Is it acceptable for the engineer who signed the test report to also sign the product approval and prepare the evaluation report?
- Is it acceptable for the validator of a product approval to be employed by the same agency as who prepares that product approval?
- Is it acceptable for the validator of a product approval to have also drawn or otherwise helped to prepare the product approval for which they are later validating?
- Is it acceptable to prepare a statement of 'no financial interest' when a financial interest exists?

**Summary:**

Your response will help us to better understand the implementation and interpretation of Rule 61G20-3.009 as it relates to the questions provided above.

Thanks,



Jason Malouf  
Vice President of Sales

**Attachment A – Sunbiz screenshots showing relationship between RWBC and TEL**



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## Detail by Entity Name

Florida Profit Corporation

R.W. BUILDING CONSULTANTS, INC.

### Filing Information

<b>Document Number</b>	P99000002806
<b>FEI/EIN Number</b>	65-0887422
<b>Date Filed</b>	01/11/1999
<b>State</b>	FL
<b>Status</b>	ACTIVE
<b>Last Event</b>	AMENDMENT
<b>Event Date Filed</b>	09/29/2008
<b>Event Effective Date</b>	NONE

### Principal Address

2002 WOOD COURT  
SUITE 1  
PLANT CITY, FL 33563

Changed: 04/29/2005

### Mailing Address

PO BOX 230  
VALRICO, FL 33595

Changed: 03/17/2003

### Registered Agent Name & Address

VIVIAN, WRIGHT  
2111 HERITAGE CREST DRIVE  
VALRICO, FL 33594

Name Changed: 02/07/2002

Address Changed: 02/07/2002

### Officer/Director Detail

#### **Name & Address**

Title PS

WRIGHT, JAMES R  
2111 HERITAGE CREST DR.

VALRICO, FL 33594

Title VP

SCHMIDT, LYNDON F  
 19506 FRENCH LACE DRIVE  
 LUTZ, FL 33558

**Annual Reports**

Report Year	Filed Date
2016	03/30/2016
2017	04/19/2017
2018	04/10/2018

**Document Images**

<a href="#">04/10/2018 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/19/2017 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/30/2016 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/25/2015 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/23/2014 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/11/2013 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/18/2012 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/21/2011 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
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<a href="#">04/23/2009 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">09/29/2008 -- Amendment</a>	<a href="#">View image in PDF format</a>
<a href="#">04/28/2008 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/31/2007 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/11/2006 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/29/2005 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/19/2004 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">09/26/2003 -- Amendment</a>	<a href="#">View image in PDF format</a>
<a href="#">07/31/2003 -- Amendment</a>	<a href="#">View image in PDF format</a>
<a href="#">03/17/2003 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/07/2002 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/05/2001 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/01/2000 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/11/1999 -- Domestic Profit</a>	<a href="#">View image in PDF format</a>



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## Detail by Entity Name

Florida Profit Corporation  
TESTING EVALUATION LABORATORIES, INC.

### Filing Information

<b>Document Number</b>	P03000079305
<b>FEI/EIN Number</b>	20-0101165
<b>Date Filed</b>	07/18/2003
<b>Effective Date</b>	07/18/2003
<b>State</b>	FL
<b>Status</b>	ACTIVE
<b>Last Event</b>	AMENDMENT
<b>Event Date Filed</b>	01/21/2004
<b>Event Effective Date</b>	NONE

### Principal Address

2002 WOOD CRT  
STE 1  
PLANT CITY, FL 33563

Changed: 04/11/2006

### Mailing Address

POB 230  
PLANT CITY, FL 33563

Changed: 04/11/2006

### Registered Agent Name & Address

WRIGHT, VIVIAN K  
2002 WOOD CRT  
STE 1  
PLANT CITY, FL 33563

Address Changed: 04/11/2006

### Officer/Director Detail

#### **Name & Address**

Title PT

WRIGHT, VIVIAN K  
2111 HERITAGE CREST DR

VALRICO, FL 33594

**Annual Reports**

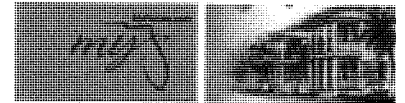
<b>Report Year</b>	<b>Filed Date</b>
2016	03/30/2016
2017	04/19/2017
2018	04/10/2018

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<a href="#">04/11/2006 -- ANNUAL REPORT</a>	View image in PDF format
<a href="#">04/29/2005 -- ANNUAL REPORT</a>	View image in PDF format
<a href="#">05/07/2004 -- ANNUAL REPORT</a>	View image in PDF format
<a href="#">01/21/2004 -- Amendment</a>	View image in PDF format
<a href="#">09/26/2003 -- Amendment</a>	View image in PDF format
<a href="#">07/28/2003 -- Articles of Correction</a>	View image in PDF format
<a href="#">07/18/2003 -- Domestic Profit</a>	View image in PDF format



**Attachment B – One example FL Approval showing where L. F. Schmidt signed the test report and then also signed the product approval that was made from that test report**



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**Product Approval**  
USER: Public User

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



FL #	FL10537-R3																
Application Type	Revision																
Code Version	2017																
Application Status	Approved																
Comments	Archived																
Product Manufacturer	Therma-Tru Corporation																
Address/Phone/Email	118 Industrial Drive Edgerton, OH 43517 (419) 298-1740 rickw@rwbldgconsultants.com																
Authorized Signature	Rick Wright rickw@rwbldgconsultants.com																
Technical Representative																	
Address/Phone/Email																	
Quality Assurance Representative																	
Address/Phone/Email																	
Category	Exterior Doors																
Subcategory	Swinging 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	Lyndon F. Schmidt, P.E.																
Florida License	PE-43409																
Quality Assurance Entity	National Accreditation and Management Institute																
Quality Assurance Contract Expiration Date	12/31/2021																
Validated By	Ryan J. King, P.E. Validation Checklist - Hardcopy Received																
Certificate of Independence	<a href="#">FL10537_R3_COI_(a)_Certificate_of_Independence.pdf</a>																
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM D1929</td> <td>1996</td> </tr> <tr> <td>ASTM D2843</td> <td>1999</td> </tr> <tr> <td>ASTM D635</td> <td>2003</td> </tr> <tr> <td>ASTM E1300</td> <td>2004</td> </tr> <tr> <td>ASTM E84</td> <td>2000</td> </tr> <tr> <td>ASTM G26</td> <td>1995</td> </tr> <tr> <td>TAS 201, 202, 203</td> <td>1994</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ASTM D1929	1996	ASTM D2843	1999	ASTM D635	2003	ASTM E1300	2004	ASTM E84	2000	ASTM G26	1995	TAS 201, 202, 203	1994
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ASTM E1300	2004																
ASTM E84	2000																
ASTM G26	1995																
TAS 201, 202, 203	1994																
Equivalence of Product Standards Certified By	Florida Licensed Professional Engineer or Architect <a href="#">FL10537_R3_Equiv_(a)_Equivalency_of_Standards.pdf</a>																
Sections from the Code																	

Product Approval Method

Method 1 Option D

Date Submitted

10/17/2017

Date Validated

10/17/2017

Date Pending FBC Approval

10/22/2017

Date Approved

12/12/2017

**Summary of Products**

FL #	Model, Number or Name	Description
10537.1	a. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Opaque Fiberglass Single Door - (X) Inswing or Outswing Configuration
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 10537.1 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10537_R3_II (a) Inst 10537.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10537_R3_AE (a) Eval 10537.1.pdf</a> Created by Independent Third Party: Yes
10537.2	b. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Opaque Fiberglass Single Door with Sidelite - (OX or XO) Inswing or Outswing Configuration
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 10537.2 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions. (Note - ASTM E1300-98 utilized for areas inside the HVHZ)		<b>Installation Instructions</b> <a href="#">FL10537_R3_II (a) Inst 10537.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10537_R3_AE (a) Eval 10537.2.pdf</a> Created by Independent Third Party: Yes
10537.3	c. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Opaque Fiberglass Single Door with Sidelites - (OXO) Inswing or Outswing Configuration
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 10537.3 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions. (Note - ASTM E1300-98 utilized for areas inside the HVHZ)		<b>Installation Instructions</b> <a href="#">FL10537_R3_II (a) Inst 10537.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10537_R3_AE (a) Eval 10537.3.pdf</a> Created by Independent Third Party: Yes
10537.4	d. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Opaque Fiberglass Double Door - (XX) Inswing or Outswing Configuration
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 10537.4 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10537_R3_II (a) Inst 10537.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10537_R3_AE (a) Eval 10537.4.pdf</a> Created by Independent Third Party: Yes
10537.5	e. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Opaque Fiberglass Double Door with Sidelites -(OXXO) Inswing or Outswing Configuration
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 10537.5 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions. (Note - ASTM E1300-98 utilized for areas inside the HVHZ)		<b>Installation Instructions</b> <a href="#">FL10537_R3_II (a) Inst 10537.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10537_R3_AE (a) Eval 10537.5.pdf</a> Created by Independent Third Party: Yes

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

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# THERMA TRU®

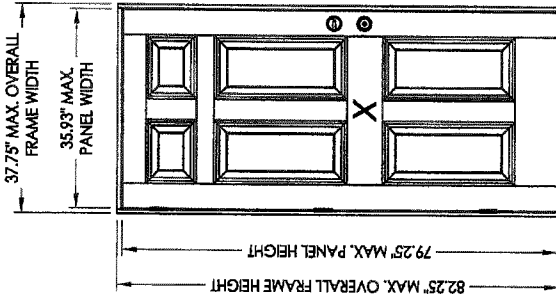
118 INDUSTRIAL DR., EDGERTON, OH 43517

## SMOOTH STAR, FIBER CLASSIC CLASSIC CRAFT & CLASSIC CRAFT RUSTIC FIBERGLASS DOOR INSWING / OUTSWING "IMPACT"

### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. 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.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal sill item #4 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations using threshold item #5 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details (Smooth Star)
3	Door panel details (Classic Craft)
4	Door panel details (Classic Craft Rustic)
5	Door panel details (Fiber Classic)
6	Horizontal cross sections
7	Vertical cross sections
8	Buck and frame anchoring - 2x buck masonry construction
9	Frame anchoring - 1x buck masonry construction
10	Bill of materials & components



DOOR TYPE	SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
SMOOTH STAR	INSWING	37.75" x 82.25"	+75.0	-75.0
	OUTSWING	37.75" x 80.75"	+80.0	-80.0
CLASSIC CRAFT	INSWING	37.75" x 82.25"	+100.0	-100.0
	OUTSWING	37.75" x 80.75"	+100.0	-100.0
CLASSIC CRAFT RUSTIC	INSWING	37.75" x 82.25"	+90.0	-90.0
	OUTSWING	37.75" x 80.75"	+90.0	-90.0
FIBER CLASSIC	INSWING	37.75" x 82.25"	+75.0	-75.0
	OUTSWING	37.75" x 80.75"	+80.0	-80.0

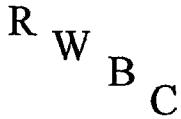
October 17, 2017  
Documents Prepared By: Lyndon F. Schmidt  
P.E. No. 45408  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
L.F. SCHMIDT  
No. 43408

REVISIONS

NO.	DATE	DESCRIPTION
1	2/27/12	UPDATE TO 2010 FBC
2	1/28/16	UPDATE TO 5TH ED. (2014) FBC
3	10/17/17	UPDATE TO 6TH ED. (2017) FBC

PRODUCT: THERMA-TRU FIBERGLASS DOOR  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813



# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry  
P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Certificate of Authorization No. 9813

## Product Evaluation Report

Report No.: FL-10537.1

Date: October 17, 2017

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	Smooth Star, Fiber Classic, Classic Craft and Classic Craft Rustic Fiberglass Door Inswing/Outswing "Impact"

**Scope:** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) 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.

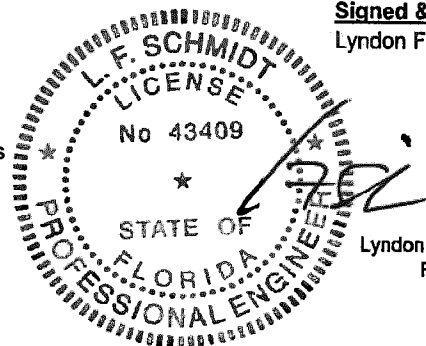
**Limitations:**

1. This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of drawing FL-10537.1 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal sill item #4 meet water infiltration requirements for "HVHZ".
8. Inswing configurations and outswing configurations using threshold item #5 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
9. See drawing FL-10537.1 for size and design pressure limitations.

**Supporting Documents:**

- |   |  |
|---|--|
| 1. <b>Test Report No.</b><br>TEL 01460336-A,B,C   | <b>Test Standard</b><br>ASTM D635-03, ASTM D1929-96<br>ASTM D2843-99<br>ASTM G26-95<br>ASTM E84-00a<br>ASTM D1929-96<br>TAS 201-94, TAS 201-94. TAS 203-94 |
| STTS00001<br>15427-107362<br>ATI 67508.01-106-18<br>TEL 06-1031-1   |  |
| 2. <b>Drawing No.</b><br>No. FL 10537.1   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)   |
| 3. <b>Calculations</b><br>Anchoring   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)   |
| 4. <b>Quality Assurance</b><br>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. |  |

- |  |  |
|--|--|
| <b>Testing Laboratory</b><br>Testing Evaluation Lab., Inc.   | <b>Signed by</b><br>Lyndon F. Schmidt, P.E.  |
| Sub Tropical Testing<br>Omega Point Laboratories<br>Architectural Testing, Inc.<br>Testing Evaluation Lab., Inc. | Lon Hicks, VP Operations<br>William E. Fitch, P.E.<br>Joseph A. Reed, P.E.<br>Wendell W. Haney, P.E. |
|  | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.   |
|  | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.   |



Lyndon F. Schmidt, P.E.  
FL PE No. 43409  
10/17/2017

**Attachment C – One example showing that Ryan J. King works / has worked at RWBC**



215 EAST ROOSEVELT AVE.  
ZEELAND, MI 49464

ODL / WESTERN REFLECTIONS

HP POLYPROPYLENE  
TO BE USED AS LITE FRAME MATERIAL  
FOR DOOR ASSEMBLIES

WASHINGTON PENN PPH5CWGF3.6

MATERIAL PROPERTIES		
DESCRIPTION	TEST	RESULTS
SELF-IGNITION TEMP.	ASTM D 1929	689 °F > 650 °F
SMOKE DENSITY RATING	ASTM D 2843	7.9% < 75%
RATE OF BURNING	ASTM D 635	1.07 in./min. < 2.5 in./min. (Class C-2)
TENSILE STRESS	ASTM G 155 (4900 hrs.) & ASTM D 638	Before* = 3378 psi After* = 3383 psi % Difference = 0.2 < 10%

BASF HP-PRO

MATERIAL PROPERTIES		
DESCRIPTION	TEST	RESULTS
SELF-IGNITION TEMP.	ASTM D 1929	840 °F > 650 °F
SMOKE DENSITY RATING	ASTM D 2843	64.7% < 75%
RATE OF BURNING	ASTM D 635	0.97 in./min. < 1.0 in./min. (Class C-1)
TENSILE STRESS	ASTM G 155 (4900 hrs.) & ASTM D 638	Before* = 6793 psi After* = 6551 psi % Difference = 3.6 < 10%

SPARTECH PP5330-C13

MATERIAL PROPERTIES		
DESCRIPTION	TEST	RESULTS
SELF-IGNITION TEMP.	ASTM D 1929	700 °F > 650 °F
SMOKE DENSITY RATING	ASTM D 2843	59.6% < 75%
RATE OF BURNING	ASTM D 635	0.97 in./min. < 1.0 in./min. (Class C-1)
TENSILE STRESS	ASTM G 155 (4900 hrs.) & ASTM D 638	Before* = 6682 psi After* = 6315 psi % Difference = 5.5 < 10%

### COMPONENT APPROVAL

\* Tensile testing on controlled and weathered specimens per Section 2614.2 of the 5th Edition (2014) FBC.

#### GENERAL NOTES

- HP Polypropylene Doolight Assemblies manufactured by ODL/Western Reflections are in compliance with the 5th Edition (2014) Florida Building Code (FBC) plastic requirements including the High Velocity Hurricane Zone (HVHZ).
- This approval does not include an evaluation of the structural performance of this component. Test reports and all required documents must be submitted showing the system using this component will resist loads according to Chapter 16 of the FBC.

PRODUCT: HP POLYPROPYLENE

PART OR ASSEMBLY: ODL DOORLIGHT ASSEMBLIES

REVISIONS

NO.	DATE	DESCRIPTION
1	2/4/13	UPDATED TO 2010 FBC
2	12/17/15	UPDATED TO 5th ED. (2014) FBC
		& ADDED WASH. PENN MATERIAL

DATE: 12/06/10

SCALE: N.T.S.

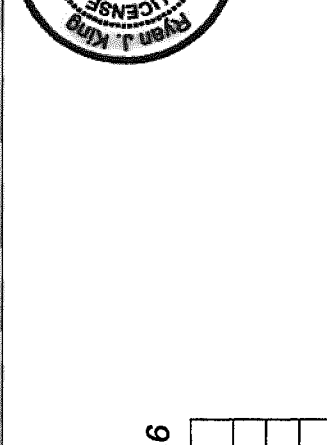
DWG. BY: JK

CHEK. BY: RJK

DRAWING NO.: S-4101

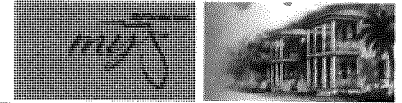
SHEET 1 OF 1

PRODUCT REVIEWED  
in compliance with the Florida  
Building Code  
Approval No. 15-7223-02  
Expiration Date 2/1/2023  
By: [Signature]



**Attachment D – One example of a validation by Ryan J. King from several years ago**





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USER: Public User

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**FL #** FL16854-R0  
**Application Type** New  
**Code Version** 2010  
**Application Status** Approved  
 \*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

**Comments**  
 Archived

**Product Manufacturer** Doers Window Manufacturing, LLC  
**Address/Phone/Email** 4901 Oak Fair Blvd.  
 Tampa, FL 33610  
 (813) 626-6000  
 danochstein@doerswindow.com

**Authorized Signature** Vivian Wright  
 rickw@rwbldgconsultants.com

**Technical Representative**  
 Address/Phone/Email

**Quality Assurance Representative**  
 Address/Phone/Email

**Category** Windows  
**Subcategory** Single Hung

**Compliance Method** Certification Mark or Listing

**Certification Agency** National Accreditation & Management Institute  
**Validated By** Ryan J. King, P.E.  
 Validation Checklist - Hardcopy Received

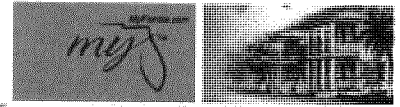
Referenced Standard and Year (of Standard)	Standard	Year
	AAMA/WDMA/CSA101/I.S.2/A440	2008
	ASTM E1300	2004
	ASTM E1886	2005
	ASTM E1996	2006
	TAS 201, 202, 203	1994

**Equivalence of Product Standards**  
 Certified By

**Product Approval Method** Method 1 Option A

**Date Submitted** 02/21/2014  
**Date Validated** 03/20/2014  
**Date Pending FBC Approval**  
**Date Approved** 03/27/2014  
**Date Revised** 07/01/2015

**Attachment E – One example drawing showing that the FL installation instructions were drawn by “JK”**



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FL #	FL11907-R3								
Application Type	Revision								
Code Version	2017								
Application Status	Approved								
Comments	Archived								
Product Manufacturer	Associated Materials Inc.								
Address/Phone/Email	3773 State Road Cuyahoga Falls, OH 44223 (330) 922-2108 rickw@rwbldgconsultants.com								
Authorized Signature	Vivian Wright rickw@rwbldgconsultants.com								
Technical Representative									
Address/Phone/Email									
Quality Assurance Representative									
Address/Phone/Email									
Category	Windows								
Subcategory	Casement								
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	Lyndon F. Schmidt, P.E.								
Florida License	PE-43409								
Quality Assurance Entity	Architectural Testing, Inc., an Intertek Company								
Quality Assurance Contract Expiration Date	12/31/2020								
Validated By	Ryan J. King, P.E. Validation Checklist - Hardcopy Received								
Certificate of Independence	<a href="#">FL11907_R3_COI_(b)_Certificate_of_Independence.pdf</a>								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA101/I.S.2/A440</td> <td>2008</td> </tr> <tr> <td>ASTM E1886</td> <td>2005</td> </tr> <tr> <td>ASTM E1996</td> <td>2012</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	AAMA/WDMA/CSA101/I.S.2/A440	2008	ASTM E1886	2005	ASTM E1996	2012
<u>Standard</u>	<u>Year</u>								
AAMA/WDMA/CSA101/I.S.2/A440	2008								
ASTM E1886	2005								
ASTM E1996	2012								
Equivalence of Product Standards Certified By									
Sections from the Code									
Product Approval Method	Method 1 Option D								
Date Submitted	08/16/2017								
Date Validated	08/16/2017								

Date Pending FBC Approval

08/21/2017

Date Approved

10/10/2017

**Summary of Products**

FL #	Model, Number or Name	Description
11907.1	a. Series 0171	Extruded PVC Casement Window with Nailing Fin - (X Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.1.pdf</a> Created by Independent Third Party: Yes
11907.2	b. Series 0172	Extruded PVC Twin Casement Window with Nailing Fin - (Continuous Head and Sill Integral Mullion XX Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.2.pdf</a> Created by Independent Third Party: Yes
11907.3	c. Series 0173	Extruded PVC Triple Casement Window with Nailing Fin - (Continuous Head and Sill Integral Mullion XOX Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.3.pdf</a> Created by Independent Third Party: Yes
11907.4	d. Series 0971	Extruded PVC Casement Window - (X Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.4.pdf</a> Created by Independent Third Party: Yes
11907.5	e. Series 0972	Extruded PVC Twin Casement Window - (Continuous Head and Sill Integral Mullion XX Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.5.pdf</a> Created by Independent Third Party: Yes
11907.6	f. Series 0973	Extruded PVC Triple Casement Window - (Continuous Head and Sill Integral Mullion XOX Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.6 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.6.pdf</a> Created by Independent Third Party: Yes
11907.7	g. Series 0979	Extruded PVC Triple Casement Window - (Continuous Head and Sill Integral Mullion XOX Equal Lite Configuration)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11907.7 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11907_R3_II (a) Inst 11907.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11907_R3_AE (a) Eval 11907.7.pdf</a> Created by Independent Third Party: Yes

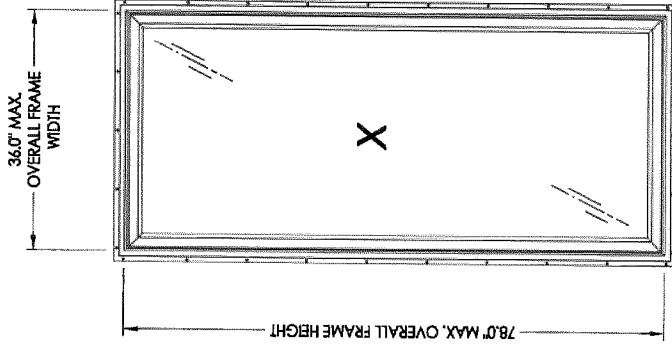
**ASSOCIATED MATERIALS**  
 I N C O R P O R A T E D  
 3773 STATE ROAD  
 CUYAHOGA FALLS, OH 44223

**SERIES 0171  
 PVC CASEMENT WINDOW  
 W/ NAILING FIN  
 "NON-IMPACT"**

**GENERAL NOTES**

1. This product has been evaluated and is in compliance with the 6th Edition (2017) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Vertical & horizontal cross sections
3	Vertical & horizontal cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing detail and components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POS.	NEG.
38.74" X 60.74"	36.0" X 76.0"	30.38" X 72.38"	G1	+30.0	-30.0
38.74" X 42.74"	36.0" X 60.0"	30.38" X 54.38"	G1	+40.0	-40.0
26.74" X 60.74"	24.0" X 48.0"	18.38" X 42.38"	G1	+55.0	-70.0

**PROFESSIONAL ENGINEER**  
 L. E. SCHMIDT  
 No. 43408  
 STATE OF FLORIDA

Documents Prepared By: Lyndon F. Schmidt  
 P.E. No. 43408

BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Vero Beach, FL 33595  
 Phone No.: 813.859.9197  
 FBPE C.A. No. 9813

**REVISIONS**

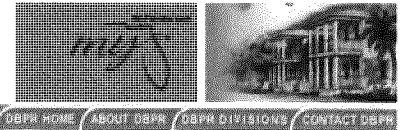
NO.	DATE	DESCRIPTION
1	06/02/11	UPDATED FOR 2010 FBC
2	4/15/15	UPDATE TO 5TH ED. (2014) FBC
3	8/02/17	UPDATE TO 6TH ED. (2017) FBC

PRODUCT: CASEMENT WINDOW

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

DATE: 1/5/09  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-11907.1  
 SHEET 1 of 5

**Attachment F – One example, FL10975.1, simultaneously showing every possible potential conflict as described in the above letter.**



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USER: Public User

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FL #	FL10975-R7																
Application Type	Revision																
Code Version	2017																
Application Status	Approved																
Comments																	
Archived																	
Product Manufacturer	Therma-Tru Corporation																
Address/Phone/Email	118 Industrial Drive Edgerton, OH 43517 (419) 298-1740 rickw@rwbldgconsultants.com																
Authorized Signature	Vivian Wright rickw@rwbldgconsultants.com																
Technical Representative																	
Address/Phone/Email																	
Quality Assurance Representative																	
Address/Phone/Email																	
Category	Exterior Doors																
Subcategory	Swinging 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	Lyndon F. Schmidt, P.E.																
Florida License	PE-43409																
Quality Assurance Entity	National Accreditation and Management Institute																
Quality Assurance Contract Expiration Date	12/31/2021																
Validated By	Ryan J. King, P.E. Validation Checklist - Hardcopy Received																
Certificate of Independence	<a href="#">FL10975_R7_COI_(b)_Certificate_of_Independence.pdf</a>																
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM D1929</td> <td>1996</td> </tr> <tr> <td>ASTM D2843</td> <td>1999</td> </tr> <tr> <td>ASTM D635</td> <td>2003</td> </tr> <tr> <td>ASTM E1300</td> <td>2004</td> </tr> <tr> <td>ASTM E84</td> <td>2000</td> </tr> <tr> <td>ASTM G26</td> <td>1995</td> </tr> <tr> <td>TAS 201, 202, 203</td> <td>1994</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ASTM D1929	1996	ASTM D2843	1999	ASTM D635	2003	ASTM E1300	2004	ASTM E84	2000	ASTM G26	1995	TAS 201, 202, 203	1994
<u>Standard</u>	<u>Year</u>																
ASTM D1929	1996																
ASTM D2843	1999																
ASTM D635	2003																
ASTM E1300	2004																
ASTM E84	2000																
ASTM G26	1995																
TAS 201, 202, 203	1994																
Equivalence of Product Standards Certified By	Florida Licensed Professional Engineer or Architect <a href="#">FL10975_R7_Equiv_(b)_Equivalency_of_Standards.pdf</a>																
Sections from the Code																	

Product Approval Method

Method 1 Option D

Date Submitted 10/18/2017  
 Date Validated 10/18/2017  
 Date Pending FBC Approval 10/22/2017  
 Date Approved 12/12/2017

**Summary of Products**

FL #	Model, Number or Name	Description
10975.1	a. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Single Door - (X) Inswing or Outswing Configuration
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 10975.1 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10975_R7_II (b) Inst 10975.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10975_R7_AE (b) Eval 10975.1.pdf</a> Created by Independent Third Party: Yes
10975.2	b. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Single Door with Sidelite - (OX or XO) Inswing or Outswing Configuration
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 10975.2 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10975_R7_II (b) Inst 10975.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10975_R7_AE (b) Eval 10975.2.pdf</a> Created by Independent Third Party: Yes
10975.3	c. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Single Door with Sidelites - (OXO) Inswing or Outswing Configuration
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 10975.3 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10975_R7_II (b) Inst 10975.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10975_R7_AE (b) Eval 10975.3.pdf</a> Created by Independent Third Party: Yes
10975.4	d. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Double Door - (XX) Inswing or Outswing Configuration
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 10975.4 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10975_R7_II (b) Inst 10975.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10975_R7_AE (b) Eval 10975.4.pdf</a> Created by Independent Third Party: Yes
10975.5	e. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Double Door with Sidelites -(OXXO) Inswing or Outswing Configuration
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 10975.5 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10975_R7_II (b) Inst 10975.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10975_R7_AE (b) Eval 10975.5.pdf</a> Created by Independent Third Party: Yes
10975.6	f. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Single Door utilizing Hoppe Multi Point lock - Inswing or Outswing configuration (X)
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 10975.6 for Design Pressure Ratings by specific Model and for any other additional use limitations and installation instructions.		<b>Installation Instructions</b> <a href="#">FL10975_R7_II (b) Inst 10975.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10975_R7_AE (b) Eval 10975.6.pdf</a> Created by Independent Third Party: Yes
10975.7	g. "FiberClassic", "SmoothStar", "ClassicCraft" or "ClassicCraft Rustic"	6'8 "Impact" Glazed Fiberglass Single Door with sidelite utilizing Hoppe Multi Point lock - Inswing or Outswing configuration (OX or XO)



# THERMA TRU®

## THERMA TRU DOORS

118 INDUSTRIAL DR., EDGERTON, OH 43517

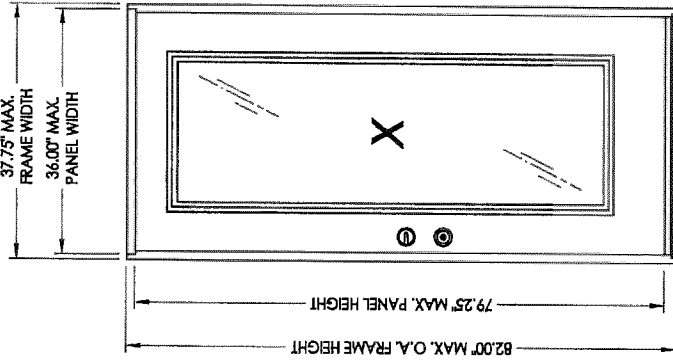
### "SMOOTH STAR", "FIBER CLASSIC", "CLASSIC CRAFT" & "CLASSIC CRAFT RUSTIC"

#### FIBERGLASS GLAZED DOOR INSWING / OUTSWING "IMPACT"

#### GENERAL NOTES

- This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- Outswing configurations using coastal sill item #31 under active doors meet water infiltration requirements for "HVHZ".
- Inswing configurations and outswing configurations using sill items #18, #14, #15, #16, #34 & #37 under the door do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes	7	Vertical cross sections
2	Door panel details & glazing details (Smooth Star)	8	Buck and frame anchoring 2X buck masonry construction
3	Door panel details (Fiber Classic)	9	Frames anchoring 1X buck masonry construction
4	Door panel details (Classic Craft)	10	Components
5	Door panel details (Classic Craft Rustic)	11	Bill of materials
6	Horizontal cross sections		



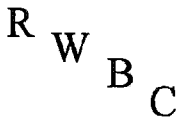
SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (P <sub>50</sub> )	
		POSITIVE	NEGATIVE
INSWING	37.75" x 82.00"	+55.0	-55.0
OUTSWING	37.75" x 80.62"	+55.0	-55.0

October 17, 2017  
 Documents Prepared By: Lyndon F. Schmidt  
 P.E. No. 43409  
 L.F. SCHMIDT  
 FLORIDA  
 PROFESSIONAL ENGINEER  
 No. 43409  
 BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE C.A. No. 9813

PRODUCT: THERMA TRU FIBERGLASS GLAZED DOOR  
 PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	DESCRIPTION
1	3/9/11	REVERSE CLASSIC CRAFT DOOR
2	2/29/12	UPDATE TO 2010 FBC
3	1/30/15	UPDATE TO 5TH ED. (2014) FBC
4	10/17/17	UPDATE TO 6TH ED. (2017) FBC

REVISIONS  
 DATE: 6/25/08  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-10975.1  
 SHEET 1 of 11



# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry  
P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Certificate of Authorization No. 9813

<b>Product Evaluation Report</b>		<b>Report No.:</b> FL-10975.1
		<b>Date:</b> October 17, 2017

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Therma Tru Corporation 118 Industrial Dr. Edgerton, OH 43517 Phone 419.298.1740	Smooth Star, Fiber Classic, Classic Craft & Classic Craft Rustic Fiberglass Glazed Door Inswing / Outswing "Impact"

**Scope:** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) 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.

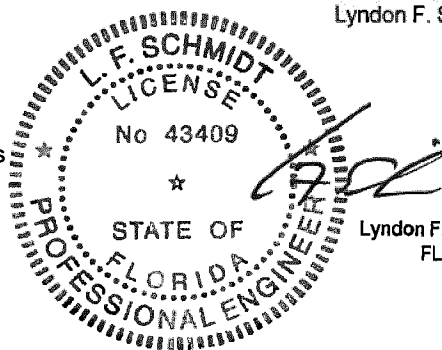
RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

**Limitations:**

- This product has been evaluated and is in compliance with the 6th Edition (2017) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with section 1626 of the Florida Building Code and does not require an impact resistant covering.
- When used in areas outside of the "HVHZ" 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of drawing FL-10975.1 require further engineering analysis by a licensed engineer or registered architect.
- Outswing configurations using coastal sill item #31 under active doors meet water infiltration requirements for "HVHZ".
- Inswing configurations and outswing configurations using sill items #18, #14, #15, #16, #34 and item #37 under the door do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
- See drawing FL-10975.1 for size and design pressure limitations.

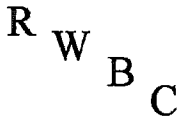
**Supporting Documents:**

- |   |   |   |  |
|---|---|---|--|
| 1. <b>Test Report No.</b><br>TEL 01460336 A,B,C<br><br>TEL 01460339 A,B,C<br><br>TEL 01460030<br>STTS00001<br>15427-107362<br>ATI 67508.01-106-18   | <b>Test Standard</b><br>ASTM D635-03, ASTM D1929-96,<br>ASTM D2843-99<br>ASTM D635-03, ASTM D1929-96,<br>ASTM D2843-99<br><br>TAS 201-94, 202-94 & TAS 203-94<br>ASTM G26-95<br>ASTM E84-00a<br>ASTM D1929-96 | <b>Testing Laboratory</b><br>Testing Evaluation Labs<br><br>Testing Evaluation Labs<br><br>Testing Evaluation Lab., Inc.<br>Sub-Tropical Testing<br>Omega Point Laboratories<br>Architectural Testing, Inc. | <b>Signed by</b><br>Lyndon F. Schmidt, P.E.<br><br>Lyndon F. Schmidt, P.E.<br><br>Wendell W. Haney, P.E.<br>Lon Hicks, VP Operations<br>William E. Fitch, P.E.<br>Joseph A. Reed, P.E. |
| 2. <b>Miami-Dade NOA</b><br>17-0712.04  | <b>Materials</b><br>Saflex Interlayer (Eastman Chemical Company)  |   |  |
| 3. <b>Drawing No.</b><br>No. FL-10975.1   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)  |   | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.   |
| 4. <b>Calculations</b><br>Anchoring<br>ASTM E1300 Glass Load  | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)<br>Lyndon F. Schmidt, P.E.   |   | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.   |
| 5. <b>Quality Assurance</b><br>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. |   |   |  |



Lyndon F. Schmidt, P.E.  
FL PE No. 43409  
10/17/2017

**Attachment G – One example of an evaluation report with a statement of no financial interest by RWBC and LFS**



# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Certificate of Authorization No. 9813

<b>Product Evaluation Report</b>		<b>Report No.:</b> FL-11218.1
		<b>Date:</b> September 30, 2015

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Mesker Door Inc. 3440 Stanwood Blvd. Huntsville, AL 35811	"N" Series Single Opaque Door Inswing "Impact"

**Scope:** Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Mesker Door Inc., based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Dept. of Business & Professional Regulation.

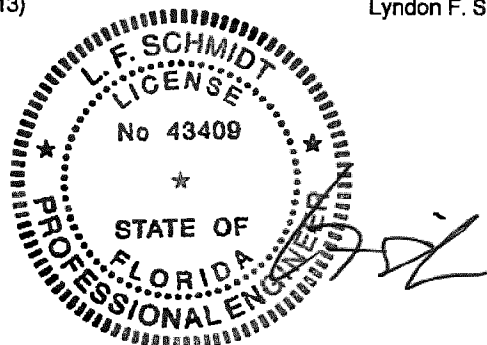
RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

**Limitations:**

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements including 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 the "HVHZ", this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing FL-11218.1 require further engineering analysis by a licensed engineer or registered architect.
5. Inswing configurations do not meet the water infiltration requirements for the "HVHZ". Inswing units shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
6. All steel shall be protected as specified in Section 2222.6 of the FBC.
7. See drawing FL-11218.1 for size and design pressure limitations.

**Supporting Documents:**

- |   |  |   |  |
|---|--|---|--|
| 1. <b>Test Report No.</b><br>TEL 08-02200007<br>TEL 01280050  | <b>Test Standard</b><br>TAS 201-94, 202-94 & TAS 203-94<br>TAS 201-94, 202-94 & TAS 203-94 | <b>Testing Laboratory</b><br>Testing Evaluation Laboratory<br>Testing Evaluation Laboratory | <b>Signed by</b><br>Wendell W. Haney, P.E.<br>Wendell W. Haney, P.E. |
| 2. <b>UL Certificate No.</b><br>121300-R12337   | <b>Test Standard</b><br>UL 10B-08, UL 10C-09   |   |  |
| 3. <b>Drawing No.</b><br>No. FL-11218.1   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)                             |   | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.             |
| 4. <b>Calculations</b><br>Anchoring   | <b>Prepared by</b><br>RW Building Consultants, Inc. (CA #9813)                             |   | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.             |
| 5. <b>Quality Assurance</b><br>Certificate of Participation issued by National Accreditation and Management Institute, certifying that Mesker Door Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53. |  |   |  |



Lyndon F. Schmidt, P.E.  
FL PE No. 43409  
10/6/2015

**Attachment H – List of FL approvals with at least one or more of the 61G20-3.009(4)  
potential rule conflicts described in the letter**

FL#	ENGINEER_NAME	ApprovalMethod	ValidatedBy
FL10106	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL10238	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL10465	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL10537	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL10975	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL11141	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL11218	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL11474	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL11720	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL11850	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL11907	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12019	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12020	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12078	Lyndon F. Schmidt	Method 2 Option B	Ryan J. King, P.E.
FL12161	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12166	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12169	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12184	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12186	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12323	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12334	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL12389	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12809	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL12991	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13061	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13067	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13137	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13320	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13459	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13624	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13727	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13922	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL13958	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14094	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14163	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14380	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14440	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14497	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14512	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14513	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14665	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL14722	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14763	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14803	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14805	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL14818	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.











FL5891	Lyndon Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL5896	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL6336	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL6993	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL7630	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL7640	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL7796	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL8560	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL8604	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL8845	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL8871	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL9196	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL9223	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL9231	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL9267	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL9542	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL9604	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL9607	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL9856	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL9909	Lyndon F. Schmidt	Method 1 Option D	Ryan J. King, P.E.
FL993	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.
FL995	Lyndon F. Schmidt	Method 1 Option A	Ryan J. King, P.E.