

# HISTORIC PRESERVATION BOARD (HPB)

## SAILBOAT BEND HISTORIC DISTRICT Certificate of Appropriateness Application

- Cover:** Deadline & Fees
- Page 1:** Applicant Information Sheet
- Page 2:** Technical Specifications of Application
- Page 3:** Technical Specifications of Application - continued
- Page 4:** Submittal Checklist

**DEADLINE:** Submittals must be received by 4:00 PM by submittal deadline (see website for dates). Pursuant to Section 47-24.1(1), the Department will review all applications to determine completeness within five (5) business days. Applicants will be notified via email, if plans do not meet the submittal requirements and if changes are required.

**FEES:** All applications for a development permit shall have an application fee as established by the City Commission as set forth by resolution, as amended from time to time. In addition to the application fee, any additional costs incurred by the City including review by a consultant on behalf of the City or special advertising costs shall be paid by the applicant. Any additional costs, which are unknown at the time of application but are later incurred by the City, shall be paid by the applicant prior to the issuance of a development permit.

### Certificate of Appropriateness for:

<input type="checkbox"/>	Minor Alteration/Review & Comment	\$ 230.00
<input type="checkbox"/>	Major Alteration/Addition to Existing	\$ 310.00
<input type="checkbox"/>	New Construction ≤ 2000 SF GFA	\$ 310.00
<input checked="" type="checkbox"/>	New Construction > 2000 SF GFA	\$ 560.00
<input type="checkbox"/>	Demolition – Accessory	\$ 230.00
<input type="checkbox"/>	Demolition – Primary	\$ 560.00
<input type="checkbox"/>	Relocation	\$ 490.00

## Page 1: HPB - Applicant Information Sheet

**INSTRUCTIONS:** Please print or type all information. The application must be filled out accurately and completely. Answer all questions. Do not leave an item blank. If an item does not apply, write N/A (Not Applicable). The following information requested is per Unified Land Development Regulations (ULDR). Incomplete applications will not be accepted.

**NOTE:** To be filled out by Department

Case Number	H17002
Date of complete submittal	1/31/17
Zoning Review	
Landscape Review	

**NOTE:** For purpose of identification, the PROPERTY OWNER is the APPLICANT

Property Owner's Name	NS THOMSON, INC
Property Owner's Signature	If a signed agent letter is provided, no signature is required on the application by the owner.
Address, City, State, Zip	75 N Woodward Ave, Tallahassee, FL 32313
E-mail Address	ASTRA MANAGEMENT INC @ GMAIL.COM
Phone Number	786-766-0697
Proof of Ownership	<input checked="" type="checkbox"/> Warranty Deed or <input type="checkbox"/> Tax Record

**NOTE:** If AGENT is to represent OWNER, notarized letter of consent is required

Applicant / Agent's Name	NANCY CORTES
Applicant / Agent's Signature	Nancy Cortes
Address, City, State, Zip	18786 NW 79 WAY Hialeah, FL 33015
E-mail Address	LC ROOFING @ YAHOO.COM
Phone Number	305-454-3894
Letter of Consent Submitted	Yes

Development / Project Name	Two (2) Story Duplex
Development / Project Address	Existing: 927 SW 2nd CT New: 927 SW 2nd CT Unit A+B
Legal Description	Waverly Pl. 2-19 D Lot 13, 14 + E5 of Lot 15 + S 1/2 VAC valley
Tax ID Folio Numbers (For all parcels in development)	5042-09-09-1540
Request / Description of Project	Two (2) Story Duplex
Applicable ULDR Sections	
Total Estimated Cost of Project	\$566,000 (Including land costs)

Future Land Use Designation	Residential
Current Zoning Designation	RML-25
Current Use of Property	Residential
Residential SF (and Type)	
Number of Residential Units	2
Non-Residential SF (and Type)	N/A
Total Bldg. SF (include structured parking)	
Site Adjacent to Waterway	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Dimensional Requirements	Required	Proposed
Lot Size (SF / Acreage)		
Lot Density	25 / Per Acre	Two units
Lot Width		
Building Height (Feet / Levels)	30 - Feet	30 - Feet
Structure Length	76 - Feet	76 - Feet
Floor Area Ratio		
Lot Coverage		
Open Space		
Landscape Area	N/A	N/A
Parking Spaces	2 Per unit	

**NOTE:** State north, south, east or west for each yard.

Setbacks/Yards*	Required	Proposed
Front [N]	10 FT	0
Side [S]	18 FT	0
Side [E]	5 FT	0
Rear [W]	5 FT	0

Fee ✓  
CD X  
CC-2  
C+V  
sets- 1  
Others to  
follow aft  
initial rule  
SAILBOAT  
BEND CIVIL  
Assoc.

## Page 2: Technical Specifications of Application

### TECHNICAL SPECIFICATIONS:

Applicant must provide a narrative indicating that the following criteria has been satisfied:

#### Description of the Project

1. Yards. Is a Yard Reduction or Minimum Distance Separation Required? ☐ Yes ☒ No  
(If Yes, please complete the remainder of this section)

Front of Building Faces:

Principal Structure Yard Setbacks (Feet): Front Rear Side Side  
Street Side? ☐ N/A ☐ Left ☐ Right

Accessory Structure #1 Yard Setbacks (Feet): Front Rear Side Side  
Street Side? ☐ N/A ☐ Left ☐ Right

Accessory Structure #2 Yard Setbacks (Feet): Front Rear Side Side  
Street Side? ☐ N/A ☐ Left ☐ Right

Distance Between Structures (Feet): Principal Structure and Accessory Structure #1: \_\_\_\_\_  
Principal Structure and Accessory Structure #2: \_\_\_\_\_

2. Alterations to Non-Conforming Structures? ☐ Yes ☒ No

Nature of Non-Conformity: ☐ Yard Setbacks ☒ Alterations exceed 50% of Value of Structure  
☐ Existing Use NOT permitted under current zoning and alterations exceed 50% of value of structure

3. Material and Design Guidelines. Shown below are the Sailboat Bend Historic District Material and Design Guidelines. If you choose to use a material or design not listed in the guidelines, check the "Other\*" box and be prepared to present to the Historic Preservation Board your justification for proposing a material or design which does not conform to the guidelines.

#### Exterior Building Walls

☐ N/A

☒ Stucco

Finish: Smooth

Other\* \_\_\_\_\_

☐ Wood

Finish: N/A

Other\* \_\_\_\_\_

☐ Masonry

Finish: N/A

Other\* \_\_\_\_\_

#### Windows and Doors

☐ N/A

Glass Block

Glass: N/A

Other\* \_\_\_\_\_

Translucent Glass: N/A

Other\* \_\_\_\_\_

Skylights: N/A

Other\* \_\_\_\_\_

Window Frame Materials: Aluminum

Other\* \_\_\_\_\_



Configurations

☐ N/A

Garage Doors - 9' Maximum Width

Other\* \_\_\_\_\_

Windows (check all applicable):

☐

Square

☒

Rectangular

☐

Circular

☐

Semi-Circular

☐

Semi-Ellipse

☐

Octagonal

☐

Diamond

☐

Triangular-Gables End Only

Other\* \_\_\_\_\_

Window Operations

☐ N/A

Type: Single Hung

Other\* \_\_\_\_\_

General

☒ N/A

Operable Shutters Sized to Match Openings

Non-Operable Shutters\*

☐

Jalousies: N/A

Other\* \_\_\_\_\_

☐

Awnings: N/A

Other\* \_\_\_\_\_

☐

Interior Security Grilles

☐

Bahama Shutters: N/A

Other\* \_\_\_\_\_

☐

Screened Windows

☐

Screened Doors

Other\* \_\_\_\_\_

Roofs and Gutters

☐ N/A

Roofs Materials: Fiberglass/Asphalt Shingles

Other\* \_\_\_\_\_

Gutters: ESP Aluminum

Other\* \_\_\_\_\_

Roof Configuration:

Type Hip

Parapet ☐

Railings ☐

Roof Pitch is Gable or Hip

Note - Pitch of Gable or Hip roof can be less than 3:12 and no more than 8:12. A Shed roof can have a pitch no less than 3:12. A Tower roof may have any slope. Rafters in overhangs to be exposed. Solar Collectors and Turbine Fans at rear.

Other\* \_\_\_\_\_

Outbuildings

☒ N/A

Materials and Finish:

Stucco N/A

Wood N/A

Other\* \_\_\_\_\_

Garden Walls and Fences

☒ N/A

Materials and Style:

Stucco N/A

Wood N/A

Masonry N/A

Metal N/A

Other\* \_\_\_\_\_

Note: Front yard fence configuration spacing between pickets is a maximum of six (6) clear inches

Arcades and Porches

☐ N/A

Materials/Style:

Stucco Finish (At Piers and Arches only) Smooth

Other\* \_\_\_\_\_

Wood (Posts and Columns)

Other\* \_\_\_\_\_

Metal (At Railings only) ESP Aluminum

Other\* \_\_\_\_\_



## Page 4: Submittal Checklist

### SUBMITTAL CHECKLIST:

Applicant shall provide to the Planning and Zoning counter a complete application, one (1) full set of plans, and any additional requirements, as specified below. Within five (5) days of receipt, Urban Design & Development staff shall review the application to determine its completeness and compliance with the ULDR.

For those applications that can be approved administratively (See Sec. 47-17.4), once the application is deemed complete the applicant shall submit seven (7) additional sets of plans/applications/photos with additional requirements as listed below. For cases that require a hearing before the Historic Preservation Board, the applicant will be required to submit one (1) original and fifteen (15) additional sets of plans/applications/photos with any additional requirements.

#### FOR ALL APPLICATIONS:

- ☐ Complete application. No items are to be left blank. If it does not apply, indicate with 'n/a'.
- ☒ Provide Proof of Ownership
- ☒ Property owners signature and/or agent letter signed by the property owner
- ☒ 1 sealed survey
- ☐ 1 vicinity map (typically on the survey)
- ☐ 1 zoning and land use map of lands within a 700' radius

#### NEW CONSTRUCTION & ALTERATION:

- ☐ Photos of that part of the building that will be modified (e.g., if front elevation is to be modified, supply a photo of the front and label it with the direction it faces [i.e. FRONT - NORTH]).
- ☐ 1 set of sealed drawings that include the site plan, building elevations and floor plan. All drawings must be drawn to scale. Scale cannot exceed 1" = 30'. In addition, drawings shall include the following: proposed exterior alterations, additions, changes, architectural design of buildings/structures, including proposed materials, textures and colors, including walls, walks, terraces, plantings, accessory buildings, signs and lights.
- ☐ 1 landscape plan for any multi family or non-residential development.
- ☐ 1 set of Product Approvals, Manufacturers' Specifications, or brochures for all building features to be modified (see page 2 of the application). For example, windows, doors, roofs, fences, siding, garages, carports, etc...

#### FOR NEW CONSTRUCTION ONLY:

- ☐ Photos or elevation drawings of buildings adjacent to the subject site.

#### DEMOLITION:

- ☐ Demolition Rider completely filled out, signed and dated.
- ☐ A site plan showing the proposed demolition.
- ☐ Photos of all sides of structure to be demolished and label the direction each side faces.
- ☐ Mail requirements: The applicant must submit a tax map, property owners list, stamped, addressed standard envelopes. The mail affidavit must be signed.
- ☐ Sign posting requirements: The applicant must post signs and return the signed affidavit prior to the meeting.

#### RELOCATION:

- ☐ A site plan showing the property as it currently exists and a proposed site plan of how the property will look once the building is relocated.
- ☐ Narrative describing what the plans are for the site to be vacated, whether the building or structure can be moved without sufficient damage to its physical integrity, and the compatibility of the building or structure to its proposed site and adjacent properties.
- ☐ Photos of all sides of structure to be relocated and label the direction each side faces. If structure is to be relocated to another site, photos of that site as well.

#### HISTORIC DESIGNATION:

- ☐ Application (page 1 and 2) must be COMPLETELY FILLED OUT (all blanks filled-in or marked N/A). Proof of ownership if owner is applicant. If applicant is not property owner, this shall be noted on the application).
- ☐ Legal description of the landmark site, historic building or district written out.
- ☐ Photographs of subject building from all four sides and label the direction each side faces.
- ☐ Narrative describing (1) the architectural, historical, or archaeological significance of the proposed landmark, landmark site, (2) date of construction of the structures on the property, (3) names of current and past owners and, if possible, their dates of ownership.

I acknowledge that the Required Documentation and Technical Specifications of the application are met:

Print Name Edgar V. Aduenas PE / AIA Seal

Signature [Signature]

Date 1-31-17

For Design & Development staff use only:

Date 1/31/17

Received By [Signature]

Tech. Specs

Reviewed By \_\_\_\_\_

Case No. \_\_\_\_\_



**CITY OF FORT LAUDERDALE**  
Department of Sustainable Development  
Urban Design & Planning Division  
700 NW 19<sup>th</sup> Avenue  
Fort Lauderdale, FL 33311  
Telephone: (954) 828-3266  
Fax (954) 828-5858  
Website: [http://www.fortlauderdale.gov/sustainable\\_dev/](http://www.fortlauderdale.gov/sustainable_dev/)

## HISTORIC PRESERVATION BOARD (HPB)

### DEMOLITION RIDER

- Cover:** Deadline & Applicant Information Sheet
- Page 1:** Demolition Rider
- Page 2:** Sign Notification Requirements / Affidavit
- Page 3:** Mail Notification Requirements / Affidavit

**DEADLINE:** Submittals must be received by 4:00 PM by submittal deadline (see website for dates). Pursuant to Section 47-24.1(1), the Department will review all applications to determine completeness within five (5) business days. Applicants will be notified via email, if plans do not meet the submittal requirements and if changes are required.

### Applicant Information Sheet

--

**INSTRUCTIONS:** Please print or type all information. The application must be filled out accurately and completely. Answer all questions. Do not leave an item blank. If an item does not apply, write N/A (Not Applicable). The following information requested is per Unified Land Development Regulations (ULDR). Incomplete applications will not be accepted.

**NOTE:** For purpose of identification, the **PROPERTY OWNER** is the **APPLICANT**

Property Owner's Name	N3 Thomson, Inc
Property Owner's Signature	If a signed agent letter is provided, no signature is required on the application by the owner.
Address, City, State, Zip	75 N Woodward Ave #8600 Tallahassee, FL 32313
E-mail Address	ASTRAMANAGEMENTINC@gmail.com
Phone Number	786-766-0697
Proof of Ownership	Warranty Deed <input checked="" type="checkbox"/> Tax Record

**NOTE:** If **AGENT** is to represent **OWNER**, notarized letter of consent is required

Applicant / Agent's Name	NANCY CORTES
Applicant / Agent's Signature	Nancy Cortes
Address, City, State, Zip	18786 NW 79 Way, Hialeah, FL 33015
E-mail Address	LCROOFING@yahoo.com
Phone Number	305-454-3894
Letter of Consent Submitted	Yes

Development / Project Name	Two (2) Story Duplex
Development / Project Address	927 SW 2nd St FT LAuderdale, FL 33312
Legal Description	
Tax ID Folio Numbers (For all parcels in development)	5042 09 09 1540
Request / Description of Project	Two (2) Story Duplex
Zoning Review	RML-25
Landscape Review	N/A



## Page 1: Demolition Rider

The Code of Ordinances of the City of Fort Lauderdale provides that demolition of any structure in the Historic District requires a Certificate of Appropriateness.

### BUILDING TO BE DEMOLISHED:

**TYPE:** Single Dwelling Unit ☒ Multi-Family/Number of Units \_\_\_\_\_  
Garage Carport Shed  
Partially Windows/Doors Siding Structure  
Porch Enclosure Roofing Other \_\_\_\_\_

**AGE:** Year Built 1927 Approximate age of building (if actual year built unknown or not documented)  
Is Building OVER fifty (50) years old? YES ☒ NO UNKNOWN  
Evidence of Age: Broward County Property Appraisal

**CONDITION:** Excellent Good Fair Poor ☒  
Code Compliance Action in Progress YES NO ☒  
Does the Building conform to Guidelines? YES NO ☒

### DOCUMENTATION:

Proposal from Licensed Contractor ☒ Architect's Evaluation (attached)  
Engineer's Evaluation (attached) Code Compliance Report (attached)  
Notice of Violation from Code Enforcement (if applicable)  
Other \_\_\_\_\_

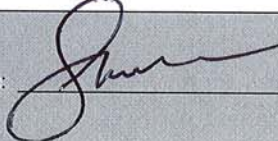
Describe the reason(s) for demolition, the method of demolition and the proposed future uses of the site as well as the proposed future use of the materials from the demolished structure. (Explain below)

Structure will be demolished to build a two (2) story duplex. The building will be demolished using mechanically large hydraulic equipment: elevated work platform, cranes, excavators or bulldozers. The materials will be properly disposed to a landfill.

Section 47-24.11.C.4.c of the ULDR specifies the criteria of the Certificate of Appropriateness for Demolition. The applicant must state below how the proposed demolition meets the following criteria:

- i. The designated landmark, landmark site or property within the historic district no longer contributes to a historic district; or
- ii. The property or building no longer has significance as a historic architectural or archeological landmark, or
- iii. The demolition or redevelopment project is of major benefit to a historic district.

See Attached Letter

Applicant's Signature:  Date: 1/27/17



## Page 2: Sign Notification Requirements and Affidavit

### SIGN NOTICE

Applicant must **POST SIGNS** (for Planning and Zoning Board and City Commission Hearings) according to Sec. 47-27.4.

- Sign Notice shall be given by the applicant by posting a sign provided by the City stating the time, date and place of the Public Hearing on such matter on the property which is the subject of an application for a development permit. If more than one (1) public hearing is held on a matter, the date, time and place shall be stated on the sign or changed as applicable.
- The sign shall be posted at least fifteen (15) days prior to the date of the public hearing.
- The sign shall be visible from adjacent rights-of-way, including waterways, but excepting alleys.
- If the subject property is on more than one (1) right-of-way, as described above, a sign shall be posted facing each right-of-way.
- If the applicant is not the owner of the property that is subject of the application, the applicant shall post the sign on or as near to the subject property as possible subject to the permission of the owner of the property where the sign is located or, in a location in the right-of-way if approved by the City.
- Development applications for more than one (1) contiguous development site shall be required to have sign notice by posting one (1) sign in each geographic direction, (north, south, east and west) on the public right-of-way at the perimeter of the area under consideration.
- If the sign is destroyed or removed from the property, the applicant is responsible for obtaining another sign from the City and posting the sign on the property.
- The sign shall remain on the property until final disposition of the application. This shall include any deferral, rehearing, appeal, request for review or hearings by another body. The sign information shall be changed as above to reflect any new dates.
- The applicant shall, five (5) days prior to the public hearing, execute and submit to the department an affidavit of proof of posting of the public notice sign according to this section. If the applicant fails to submit the affidavit the public hearing will be postponed until the next hearing after the affidavit has been supplied.

### AFFIDAVIT OF POSTING SIGNS

STATE OF FLORIDA  
BROWARD COUNTY

RE: HISTORIC PRESERVATION BOARD

CASE NO. \_\_\_\_\_

APPLICANT: NJ Thomson Inc.

PROPERTY: 927 SW 2 Ct. Fort Lauderdale

PUBLIC HEARING DATE: \_\_\_\_\_

BEFORE ME, the undersigned authority, personally appeared Alex Shwartz, who upon being duly sworn and cautioned, under oath deposes and says:

- Affiant is the Applicant in the above cited City of Fort Lauderdale **Board or Commission** Case.
- The Affiant/Applicant has posted or has caused to be posted on the Property the signage provided by the City of Fort Lauderdale, which such signage notifies the public of the time, date and place of the Public Hearing on the application for relief before the **Board or Commission**.
- That the sign(s) referenced in Paragraph two (2) above was posted on the Property in such manner as to be visible from adjacent streets and waterways and was posted at least **fifteen (15)** days prior to the date of the Public Hearing cited above and has remained continuously posted until the date of execution and filing of this Affidavit. Said sign(s) shall be visible from and within twenty (20) feet of streets and waterways, and shall be securely fastened to a stake, fence, or building.
- Affiant acknowledges that the sign must remain posted on the property until the final disposition of the case before the **Board or Commission**. **Should the application be continued, deferred or re-heard, the sign shall be amended to reflect the new dates.**
- Affiant acknowledges that this Affidavit must be executed and filed with the City's Urban Design & Development office **five (5)** calendar days prior to the date of Public Hearing and if the Affidavit is not submitted, the Public Hearing on this case shall be cancelled.
- Affiant is familiar with the nature of an oath or affirmation and is familiar with the laws of perjury in the State of Florida and the penalties therefore.

[Signature]  
Affiant

SWORN TO AND SUBSCRIBED before me in the County and State above aforesaid this 27<sup>th</sup> day of January, 2017

(SEAL)



**VLADLENA FUNK**

MY COMMISSION #FF064924

EXPIRES October 21, 2017

[Signature]  
NOTARY PUBLIC

COMMISSION EXPIRES: 10/21/17

NOTE: I understand that if my sign is not posted within the prescribed time limit as noted in Sec. 47.27.3.i of the City of Fort Lauderdale ULD, I will forfeit my sign deposit. TS (initial here)

TS Initials of applicant (or representative) receiving sign as per 47-27.2(3)(A-J)

### Page 3: Mail Notification Requirements and Affidavit

## MAIL NOTIFICATION

Applicant is responsible for Property Owners **MAIL** notification as explained below:

• **TAX MAP(S)** - Available from Property Appraiser's Office - Land Development Department, 1<sup>st</sup> Floor, 115 South Andrews Avenue, Phone (954) 357-6830. Subject Neighborhood Association Presidents and Condominium Association Presidents of affected properties within 300 ft., radius of notice are to be clearly shown and delineated. Each property noticed must be numbered (by Folio ID) on the map to cross-reference with Association Presidents Notice List.

• **PROPERTY OWNERS NOTICE LIST** - Available from Property Appraiser's Office - Public Information Office, 1<sup>st</sup> floor, 115 South Andrews Avenue, Phone (954) 357-6901/6957. List must include Association President's name, property control number (Folio ID) and complete address of all property within the required notification radius, and all homeowners associations, master associations, municipalities and counties noticed, as indicated on the tax roll. Each Association President noticed must be numbered on list to cross-reference with tax maps. **IMPORTANT!!** If the petitioner or Association President(s) own(s) adjacent property, radius of notice must be measured from boundary of adjacent property.

• **ENVELOPES** - Business size (#10) envelopes addressed (typewritten or labeled - no handwritten addresses) to all Association Presidents within 300 ft. of the subject property, along with a copy of the mailing labels before they are affixed to the envelopes shall be submitted to the City with your application. **Stamps only, metered mail will not be accepted.** First class postage required.

• Overseas addresses to be posted by first class mail only. Contact Post Office for postage amount. Business size envelopes addressed **by certified mail required for all municipalities and/or counties.**

• Indicate the following as the **return address on all envelopes:** City of Fort Lauderdale, Urban Design & Development, 700 N.W. 19 Avenue, Fort Lauderdale, FL 33311.

**NOTE:** Contact the Broward County Appraiser's Office at the above-referenced locations, for minimum number of working days required to complete the order and associated costs, hours of operation, etc..

## AFFIDAVIT OF MAIL NOTIFICATION

Case No: \_\_\_\_\_

STATE OF FLORIDA  
BROWARD COUNTY

BEFORE ME THIS DAY PERSONALLY APPEARED

Alex Schwartz, president of UD Thomson Inc.  
(PRINT, TYPE, OR STAMP NAME)

WHO BEING DULY SWORN, DEPOSES AND SAYS:

1. The attached Association Presidents list is, to the best of my knowledge, a complete and accurate list of all Association Presidents, mailing addresses and property control numbers as recorded in the latest official tax rolls obtained from the Property Appraisers Office for all properties within 300 feet of the property which is the subject of this request.
2. The attached Association Presidents list includes, to the best of my knowledge, all affected neighborhood associations, condominium associations in accordance with the requirements of the ULDR of the City of Fort Lauderdale.
3. Posting the subject property with public notice, my obligation to provide, will be in accordance with the requirements of the ULDR of the City of Fort Lauderdale.

[Signature]  
Signature

Signature

The foregoing instrument was acknowledged before me this 27<sup>th</sup> day of January 2017

By Alex Schwartz, who is personally known to me, or who has produced  
(Name of person acknowledging)

(Type of identification)

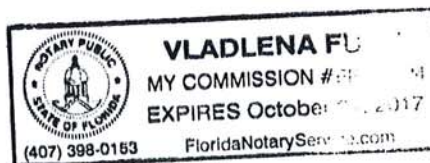
, and who did/did not (circle one) take an oath.

[Signature]  
(Signature of Person Taking Acknowledgment)

Vladlena Funk  
(Name of Acknowledger)

(Title of Rank)

(Serial Number)



NOTARY SEAL





ENGINEERING AND CONSTRUCTION SERVICES, INC.

*"To provide quality engineering with integrity and commitment to the client."*

February 28, 2017

Building Official  
**C/O: City of Fort Lauderdale**  
700 NW 19<sup>th</sup> Avenue  
Fort Lauderdale, FL 33311

Permit# \_\_\_\_\_

Re: Narrative/Justification for Demolition

Dear Building Official:

This letter is to present to the Historic Preservation Board (HPB) the justification for demolition of the existing house at 927 SW 2<sup>nd</sup> Court.

The existing house is a single-story wood framed structure of approximately 780 SF built in 1927. The house retains a marginal degree of historic value for its location, setting, materials, and design. The structure is not a contributing resource within the Sail Boat Bend neighborhood and does not resemble any other building in this neighborhood due to its position on the lot and its original design and configuration. The demolition of the structure would not result in an irreparable loss of a significant historic resource.

Because of the significant wood rot and decay of its primary structural components, the applicant has decided that the rehabilitation of the property is no longer feasible. The applicant is requesting the demolition of the existing structure with a simultaneous proposal for new construction.

Should there be any further questions or comments, please feel free to contact us.

Respectfully Submitted,  
Bunker Engineering & Construction Services, Inc.

*Edgar V. Duenas*

Edgar V. Duenas, P.E.  
FL Reg. Eng. No. 57831





ENGINEERING AND CONSTRUCTION SERVICES, INC.

*"To provide quality engineering with integrity and commitment to the client."*

December 13, 2016

Building Official  
**C/O: City of Fort Lauderdale**  
700 NW 19<sup>th</sup> Avenue  
Fort Lauderdale, FL 33311

Permit# \_\_\_\_\_  
Re: Historic Designation

Dear Building Official:

This letter is to present to the Historic Preservation Board (HPB) the historic designation narrative of the new two (2) story duplex at 927 SW 2<sup>nd</sup> Court.

The proposed construction will replace a single-family home built in 1927 per Broward County Property Appraiser records. The current state of the house is not aesthetically pleasing and it is not structurally safe. Under these conditions, it is not only a hazard but it does not pose any benefits to the architectural, historical, or archeological significance of the landmark site.

The new construction will take place sometime in 2017. This is a tentative date pending approval of project and plans from building officials plus construction time.

Per Broward County Official Records the property was sold in 1994 to Monte Carlo Motel, Inc, in 1998 to Robert Slattery, in 2000 to Michael Fothergill, in 2005 to Monica Fothergill, and in 2016 to NJ Thomson, Inc its current owners.

Should there be any further questions or comments, please feel free to contact us.

Respectfully Submitted,  
Bunker Engineering & Construction Services, Inc.

*Edgar V. Duenas*

Edgar V. Duenas, P.E.  
FL Reg. Eng. No. 57831

January 28, 2017

TO: **City of Fort Lauderdale**  
Department of Sustainable Development  
Urban Design and Planning Division  
700 NE 19<sup>th</sup> Avenue  
Fort Lauderdale, FL 33311

RE: Letter of Consent

Building Official:

I, NJ Thomson, Inc., hereby authorize my Contractor, Nancy Cortes, to submit all necessary documentation to obtain Construction Permits for the two (2) story duplex at 927 SW 2<sup>nd</sup> Ct Unit A & B. He will be in charge of the permitting process. This entails signing and filling out forms on my behalf.

Respectfully yours,



NJ Thompson, Inc Representative

NOTARY:

State of FLORIDA

County of BROWARD

Subscribed and sworn to before me on this 28th day of January in the year 2017 by

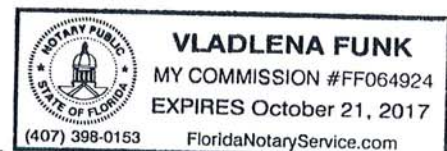
Alex Shwartz. (Name of document signer)



Notary Public

Typed or Printed Name Vladlena Funk

My Commission Expires 10/21/17



\*\*\*\* FILED: BROWARD COUNTY, FL Howard C. Forman, CLERK 4/26/2016 4:11:50 PM.\*\*\*\*

**In the Circuit Court of the Seventeenth Judicial Circuit  
In and for Broward County, Florida**

FEDERAL NATIONAL MORTGAGE ASSOCIATION  
Plaintiff  
VS.

CACE-09-036917  
Division. 28

FOTHERGILL, MICHAEL J , MORTGAGE ELECTRONIC ; UNITED  
STATES OF AMER DEPT , FOTHERGILL, MONICA ; COLEBROOKE,  
ALFRED  
Defendant

**Certificate of Title**

The undersigned, Howard C. Forman, Clerk of the Court, certifies that he executed and filed a certificate of sale in this action on April 12, 2016, for the property described herein and that no objections to the sale have been filed within the time allowed for filing objections.

The following property in Broward County, Florida:

- SEE ATTACHMENT -

Was sold to: NJ THOMSON INC  
75 N Woodward Ave #86007 c/o Astra TALLAHASSEE, FL, 32313

Witness my hand and the seal of this court on April 26, 2016.



Howard C. Forman, Clerk of Circuit Courts  
Broward County, Florida

Total consideration:  
\$114,500.00  
Doc Stamps. \$801.50





DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

**Extreme Metal Fabricators, LLC**  
2100A SW Conant Ave  
Port St. Lucie, FL. 34953

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: Englert Series 1300 Steel Panel (2" Clips and 6" Clips)

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of pages 1 through 5.

The submitted documentation was reviewed by Alex Tigera.



*Alex Tigera*  
JAN 26 2017  
APPROVED  
Edgar V. Denas, P.E.  
Bunker Engineering & Construction  
120 N. Federal Hwy Suite #305  
Lake Worth, FL 33460

NOA No.: 13-0416.08  
Expiration Date: 05/30/18  
Approval Date: 05/30/13  
Page 1 of 5

## ROOFING ASSEMBLY APPROVAL

**Category:** Roofing  
**Sub-Category:** Metal, Panels(Non-Structural)  
**Materials:** Steel  
**Deck Type:** Wood  
**Maximum Design Pressure** -165 psf

## TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Series 1300	Length: various Width: 16" Thickness 0.024 (24ga) Min. Yield Strength: 57 ksi.	TAS 125	Corrosion resistant, galvalume, preformed, standing seam. Coated, pre-finished, metal panels.
2" Clip	Length: 2" Width: 1" Height: 1-9/16" Thickness 0.020	TAS 125	Corrosion resistant, galvalume, preformed, coated, pre-finished, metal clips for use in Field or Perimeter and Corner Area of Roof.
6" Clip	Length: 6 1/4" Width: 1" Height: .65" Thickness 0.0276	TAS 125	Corrosion resistant, galvalume, preformed, coated, pre-finished, metal clips for use in Perimeter and Corner Areas of Roof.
Trim Pieces	Length: varies Width: varies Thickness 0.0276.	N/A	Corrosion resistant, galvalume, preformed, coated, pre-finished, trim pieces.

## EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Morton International	AS-0286-91L	Salt Spray ASTM B 117	Feb. 1986
Morton International	AS-0286-91T	Accelerated Weathering ASTM G 23	Feb. 1986
Architectural Testing Inc.	01-32797.01	TAS 100	Nov. 1998
Architectural Testing Inc.	01-32797.03	ASTM E 8	Nov. 1998
Hurricane Test Laboratory, LLC.	0155-0615-05	TAS 125	Feb. 2006
Architectural Testing	92270.01-109-18	TAS 125	October. 2009



NOA No.: 13-0416.08  
Expiration Date: 05/30/18  
Approval Date: 05/30/13  
Page 2 of 5



### APPROVED ASSEMBLIES:

<b>System A-1:</b>	Series 1300 Panel Panel 16" Wide
<b>Deck Type:</b>	Wood, Non-Insulated
<b>Deck Description:</b>	New Construction $1\frac{9}{32}$ " or greater plywood or wood plank.
<b>Slope Range:</b>	2": 12" or greater
<b>Maximum Uplift Pressure:</b>	See Table A below

<b>Deck Attachment:</b>	In accordance with applicable building code, but in no case shall it be less than # 8d annular ring shank nails spaced 6" o.c. In reroofing, where the deck is less than $1\frac{9}{32}$ " thick (Minimum $1\frac{5}{32}$ " ) the above attachment method must be in addition to existing attachment.
<b>Underlayment:</b>	Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 12 gauge 1 $\frac{1}{4}$ " annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll. Or, any approved underlayment having a current NOA.
<b>Fire Barrier Board:</b>	Any approved fire barrier having a current NOA. Refer to a current fire directory listing for fire ratings of this roofing system assembly as well as the location of the fire barrier within the assembly. See Limitation # 1.
<b>Valleys:</b>	Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with Englert's current published installation instructions.
<b>Metal Panels and Accessories:</b>	Install the "Series 1300 Panel" and accessories in compliance with the current published installation instructions and details in Englert's Installation Manual. Flashings, penetrations, valley construction and other details shall be constructed in compliance with Roofing Application Standard RAS 133.

Panels shall be installed with approved Panel Clips located at each panel rib side lap spaced at a maximum, listed in **Table A** below, parallel to roof slope, fastened with #10 wafer head spoiler tip corrosion resistant screws of sufficient length to penetrate through the sheathing a minimum  $\frac{3}{16}$  of an inch. Use 2 screws for the 2" clip and use 4 screws for the 6" clip.

Standing seams shall be mechanically seamed to a 90° degree seam, (single lock)..

**TABLE A**  
**MAXIMUM DESIGN PRESSURES**

Roof Areas	Field	Perimeter and Corner <sup>1</sup>	Perimeter and Corner <sup>1,2</sup>
Maximum Design Pressures	-69.25 psf	-106.75 psf	-165 psf
Maximum Clip Spacing	24" o.c.	12" o.c.	12" o.c.
Clip Size	2" Clip	2" Clip	6" Clip
1. Extrapolation shall not be allowed			
2. Place a bead of Bostik 70-05A sealant in the lateral seams prior to seaming.			



NOA No.: 13-0416.08  
Expiration Date: 05/30/18  
Approval Date: 05/30/13  
Page 3 of 5



## SYSTEM LIMITATIONS

1. Fire classification is not part of this acceptance; refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. The maximum designed pressure listed herein shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
3. Panels may be rolls formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard RAS 133
4. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved" or with the Miami-Dade County Product Control Seal as seen below. All clips shall be permanently labeled with the manufacturer's name and/or logo, and/or model.

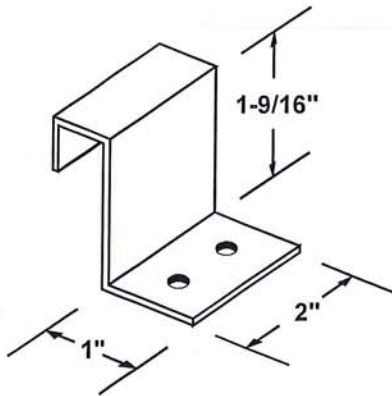
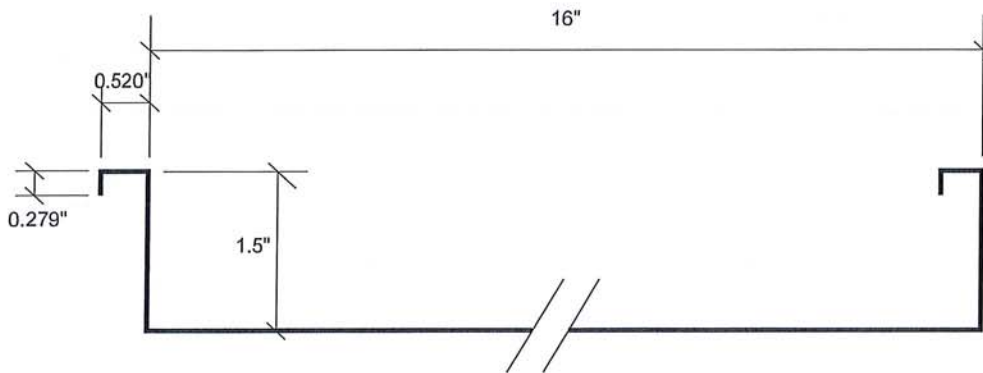


5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9N-3 of the Florida Administrative Code.
6. Panels may be jobsite roll formed with machine model #10811107 from Englert Inc

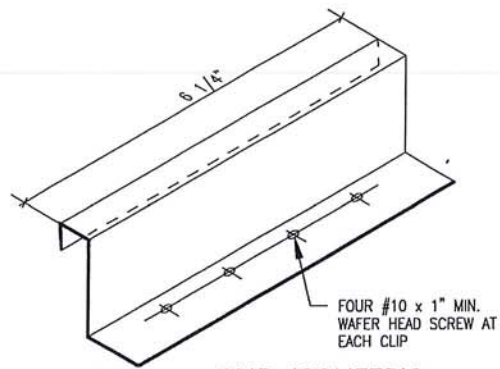


NOA No.: 13-0416.08  
Expiration Date: 05/30/18  
Approval Date: 05/30/13  
Page 4 of 5

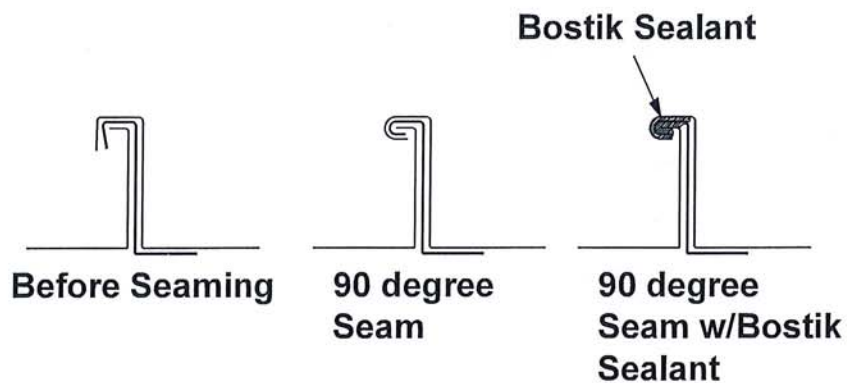
## PROFILE DRAWINGS



**2" CLIP DETAIL**  
(FIELD AND PERIMETER AND CORNER OPTION)



**CLIP ISOMETRIC**  
**6" CLIP DETAIL**  
(PERIMETER AND CORNER OPTION)



**SERIES 1300 PANEL SYSTEM**  
**END OF THIS ACCEPTANCE**

**MIAMI-DADE COUNTY**  
**APPROVED**

**NOA No.: 13-0416.08**  
**Expiration Date: 05/30/18**  
**Approval Date: 05/30/13**  
**Page 5 of 5**



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

PGT Industries, Inc.  
1070 Technology Drive  
North Venice, FL 34275

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

**DESCRIPTION:** Series "PW-520 Vinyl" White PVC Fixed Window = L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 5190-1 titled "Vinyl Picture Window, Large Missile Impact", sheets 1 through 10 of 10, dated 08/04/08, with revision C dated 06/01/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 13-1009.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

JAN 26 2017



7/23/15

**APPROVED**  
Edgar V. Duenas, P.E.  
Eunker Engineering & Construction  
120 N. Federal Hwy, Suite 1305  
Lake Worth, FL 33460

NOA No. 15-0612.13  
Expiration Date: January 08, 2019  
Approval Date: July 23 2015  
Page 1



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 08-0820.15)*
2. Drawing No. **5190-1**, titled "Vinyl Picture Window, Large Missile Impact", sheets 1 through 10 of 10, dated 08/04/08, with revision C dated 06/01/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**


1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of a series PW-520 vinyl fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5712** and **FTL-5729**, dated 08/13/08 and 09/09/08 respectively, both signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 08-0820.15)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 06/05/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0612.13  
Expiration Date: January 08, 2019  
Approval Date: July 23 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **12-1017.02** issued to **Quanex Building Products, Inc.**, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/07/13, expiring on 12/26/16.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated June 1, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated June 1, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Reports No. **FTL-5712** and **FTL-5729**, dated 08/13/08 and 09/09/08 respectively, both signed and sealed by Carlos S. Rionda, P.E. *(Submitted under NOA No. 08-0820.15)*

**G. OTHERS**

1. Notice of Acceptance No. **13-1009.04**, issued to PGT Industries for their Series "PW-520 Vinyl" White PVC Fixed Window - L.M.I." approved on 11/14/13 and expiring on 01/08/19.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0612.13  
Expiration Date: January 08, 2019  
Approval Date: July 23 2015

## NOTES: LARGE MISSILE WINDOWS

- GLAZING OPTIONS:  
A. 7/8" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" TEMPERED OR ANNEALED GLASS, AIRSPACE AND 5/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITE OF 1/8" ANNEALED GLASS WITH AN .090 INTERLAYER OF BUTACITE PVB BY KURARAY AMERICA INC.  
B. 1" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" TEMPERED OR ANNEALED GLASS, AIRSPACE AND 5/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 1/8" ANNEALED GLASS WITH AN .090 INTERLAYER OF BUTACITE PVB BY KURARAY AMERICA, INC.
- DESIGN PRESSURE RATINGS: (SEE TABLE 1 AND NOTES BELOW)  
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND ASTM E 1300 GLASS TABLES.  
B. POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER TEST PRESSURE, AND ASTM E 1300 GLASS TABLES.
- ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION.
- FOR ANCHORAGE INFORMATION SEE SHEETS 9 AND 10.
- SHUTTERS ARE NOT REQUIRED. FOR INSTALLATION OF UNITS ABOVE 30' FROM GRADE IN THE HVHZ, THE EXTERIOR CAP OF INSULATED UNITS MUST BE TEMPERED
- REFERENCES: TEST REPORTS, FTL-5712 & FTL-5729.  
ELCO TETRON NOA  
ANSI/AF&PA NDS FOR WOOD CONSTRUCTION  
QUANEX BUILDING PRODUCTS, INC. (WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS AND DOORS)
- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

TABLE 1. DESIGN PRESSURES (PSF)									
GLASS TYPES: A. 7/8" LAMINATED INSULATED GLASS (3/16" A - AIRSPACE - 1/8" A, .090, 1/8" A)									
B. 1" LAMINATED INSULATED GLASS (3/16" A - AIRSPACE 1/8" A, .090, 1/8" A)									
WINDOW HEIGHT	GLASS TYPE	WINDOW WIDTH							
		59.000		60.000		61.000		62.000	
44.000	A,B	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0
	AREA	18.03 SQ.FT.		18.33 SQ.FT.		18.64 SQ.FT.		18.94 SQ.FT.	
45.000	A,B	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+79.6	-79.6
	AREA	18.44 SQ.FT.		18.75 SQ.FT.		19.06 SQ.FT.		19.38 SQ.FT.	
46.000	A,B	+80.0	-80.0	+80.0	-80.0	+80.0	-80.0	+78.5	-78.5
	AREA	18.65 SQ.FT.		19.17 SQ.FT.		19.49 SQ.FT.		19.81 SQ.FT.	
47.000	A,B	+80.0	-80.0	+79.9	-79.9	+79.0	-79.0	+77.4	-77.4
	AREA	19.26 SQ.FT.		19.58 SQ.FT.		19.91 SQ.FT.		20.24 SQ.FT.	
48.000	A,B	+80.0	-80.0	+78.8	-78.8	+78.0	-78.0	+76.3	-76.3
	AREA	19.07 SQ.FT.		20.00 SQ.FT.		20.33 SQ.FT.		20.67 SQ.FT.	

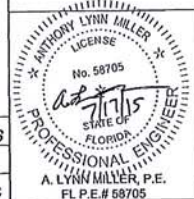
### NOTE:

- THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR 1/2 CIRCLES IS +/-80.0 PSF FOR ALL SIZES.
- IF A TEMPERED CAP IS USED MAX. DP IS +/-50.0 PSF.

## NOA DRAWING TABLE OF CONTENTS SHEET

GENERAL NOTES.....	1
ELEVATIONS.....	2,3
GLAZING DETAILS.....	4
GLAZING DETAILS.....	5
SECTIONS, BOX FRAME.....	6
CORNER ASS'Y, BOX FRAME.....	6
SECTIONS, I.F. FRAME.....	7
CORNER ASS'Y, I.F. FRAME.....	7
EXTRUSION PROFILES.....	8
PARTS LIST.....	8
ANCHORAGE, BOX FRAME.....	9
ANCHORAGE, INTEGRAL FIN.....	10

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.13  
Registration Date Jan 8, 2019  
By *Michael J. Gray*  
Miami Code Product Control



Revised By: D.G.	Date: 11/25/08	Revision: A	PER MIAMI-DADE LETTER DATED 10/24/08
Revised By: J.J.	Date: 10/18/11	Revision: B	FBC 2010 CODE CHANGE
Revised By: SC	Date: 06/01/15	Revision: C	REVISED NOTE BLOCK
Revised By: D.G.	Date: 8/4/08	Revision: D	

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34215  
P.O. BOX 1529  
N. VENICE, FL 34274  
FL COA #29295

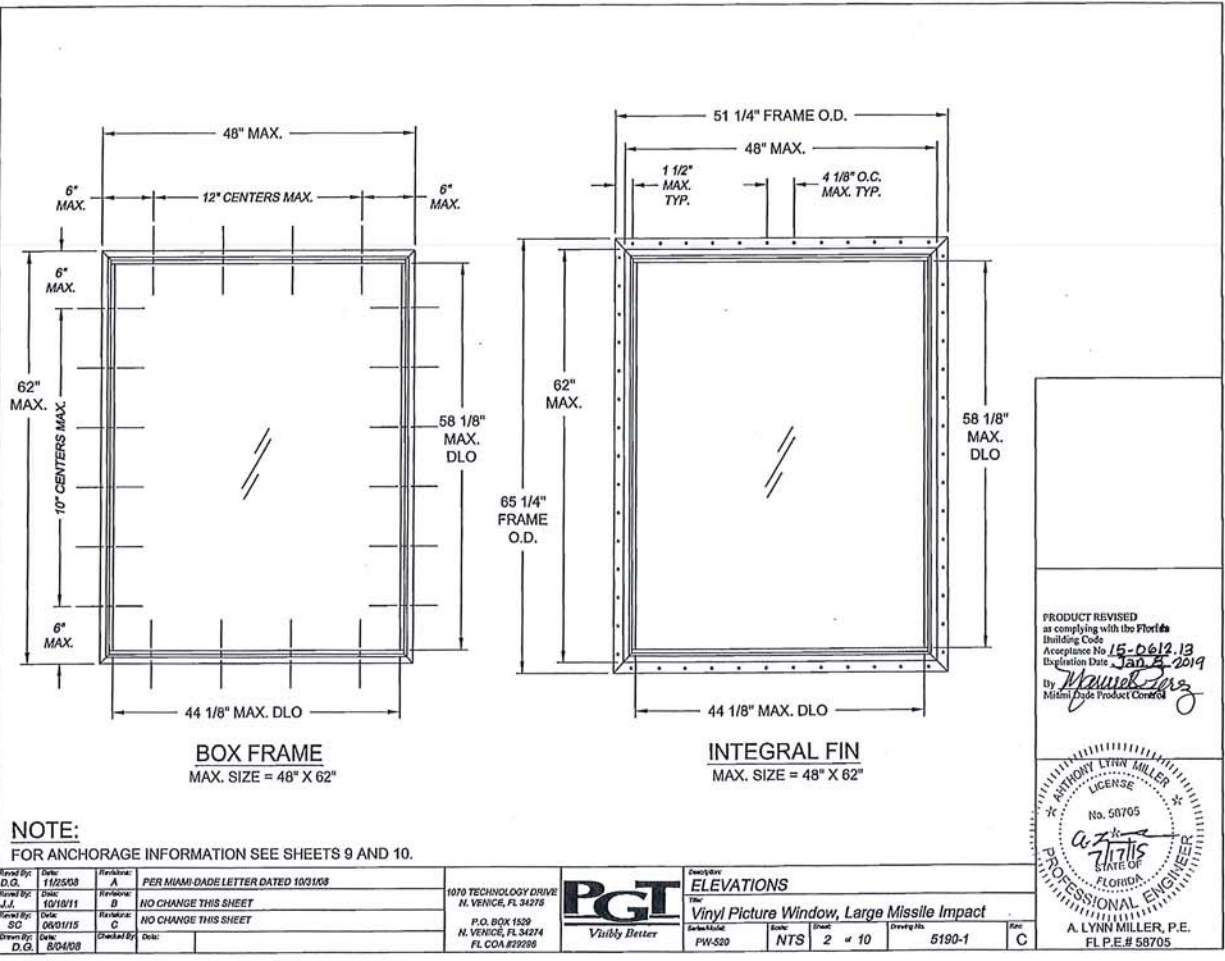


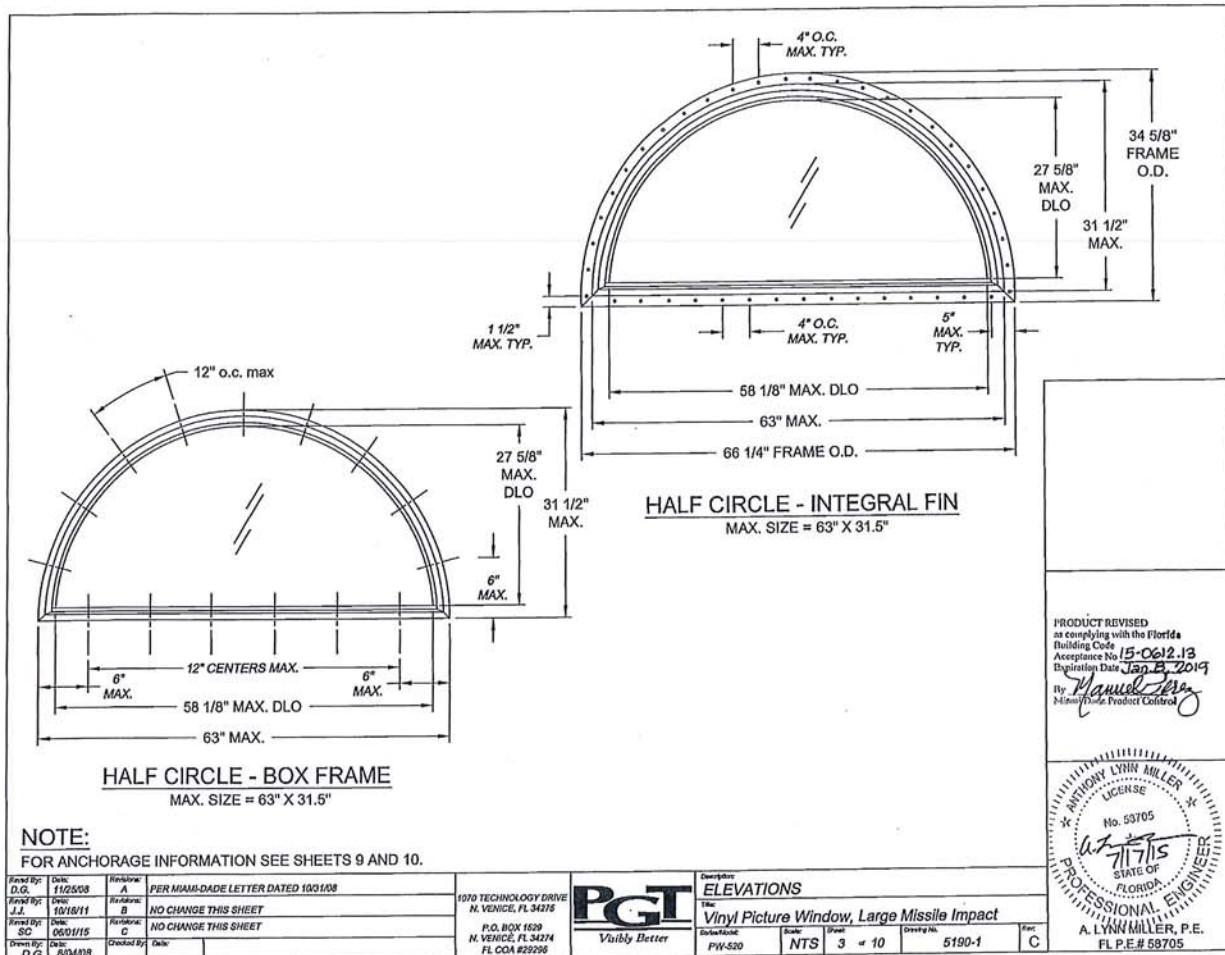
## NOTES, TABLE OF CONTENTS & PRESSURES

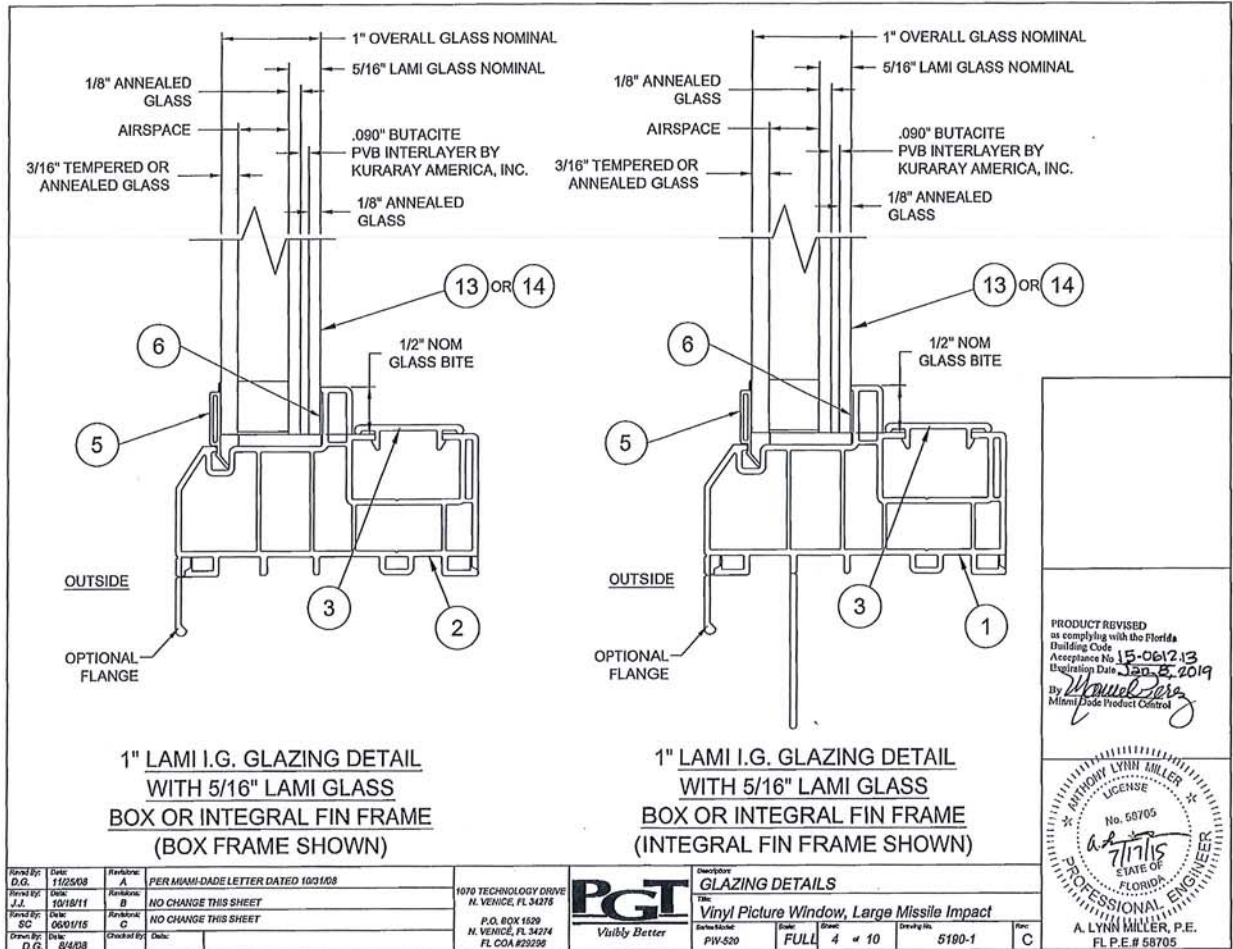
The Vinyl Picture Window, Large Missile Impact

Product: PW-520	Code: NTS	Size: 1 x 10	Strength: 5190-1	Rev: C
-----------------	-----------	--------------	------------------	--------

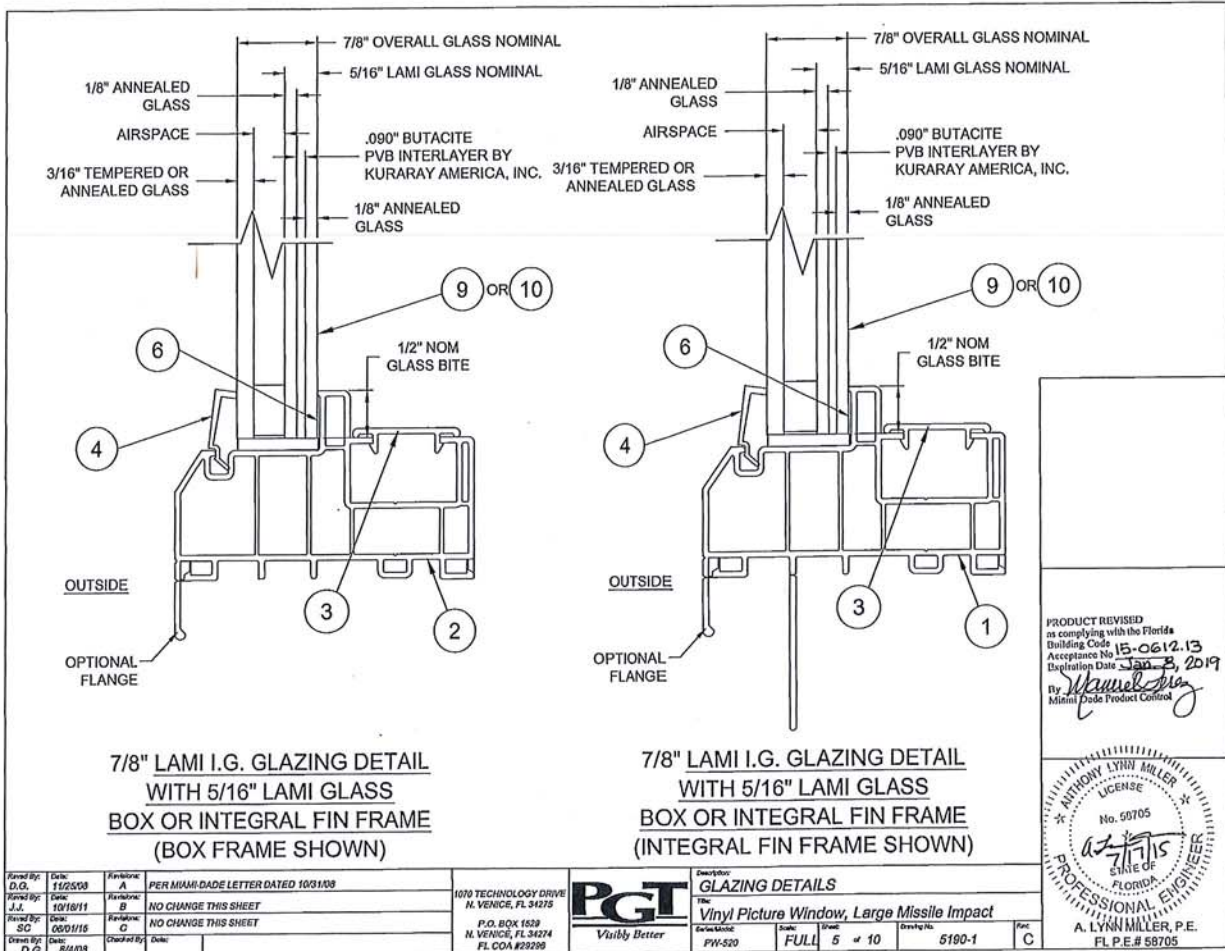


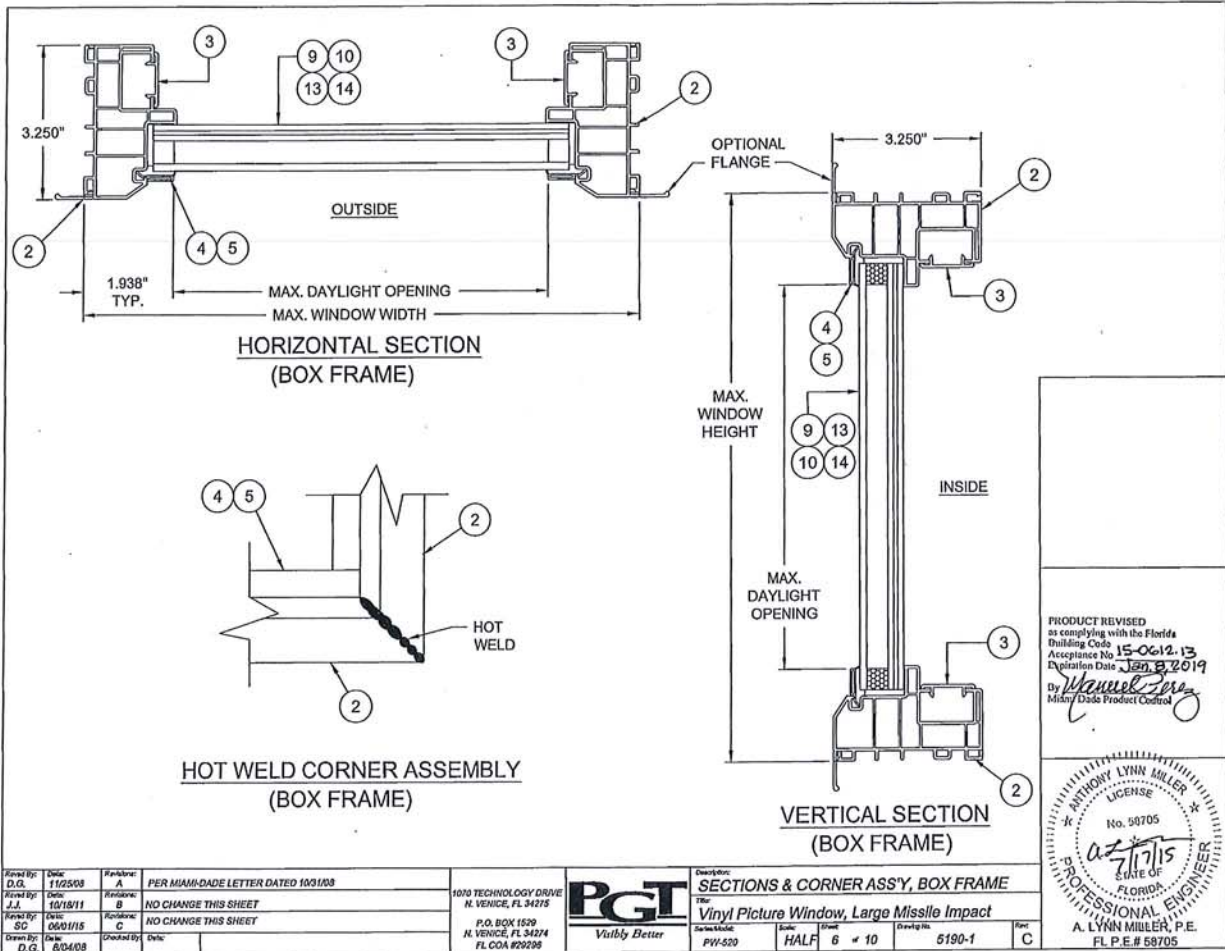


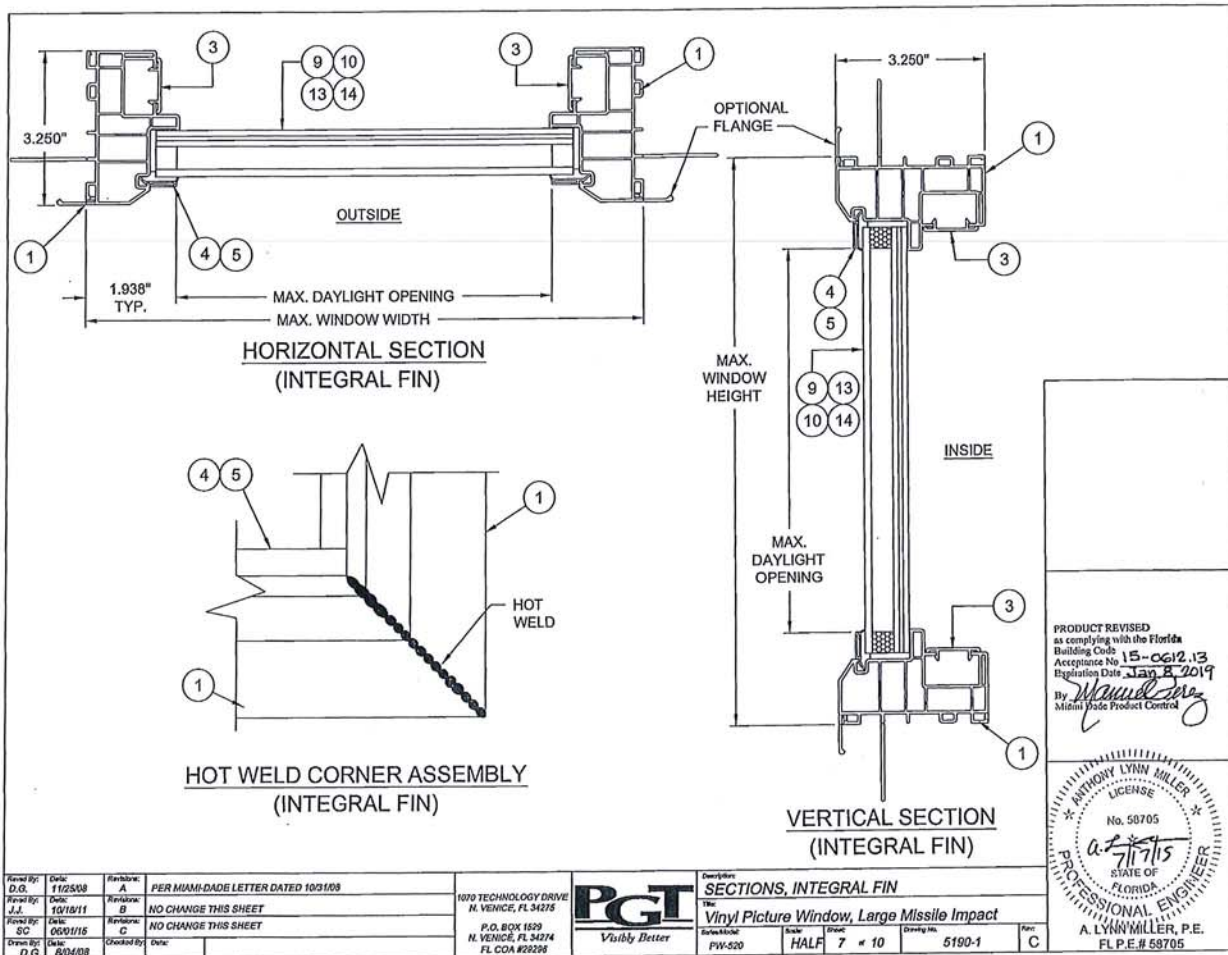








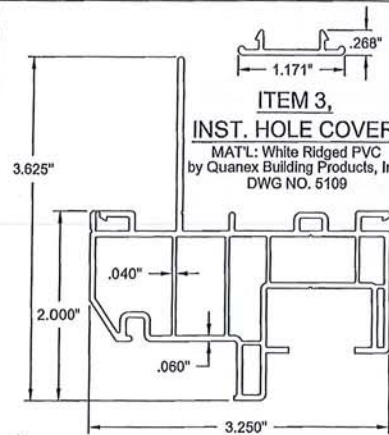






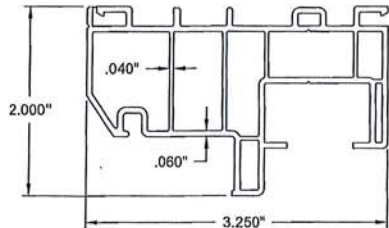
ITEM	DWG NO.	PART #	DESCRIPTION
1	5165	65165	INTEGRAL FIN FRAME HEAD, SILL & JAMB
2	5135	65135	BOX FRAME HEAD, SILL & JAMB
3	5109	65109	FILLER - INSTALL HOLE COVER
4	8483	65148	SDL 7/8" I.G. BEAD
5	6492	65112	STD 1" I.G. BEAD
6			DOW 1199 SILICONE
7			
8			
9			7/8" LAM I.G. GLASS: 3/16" TEMPERED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)
10			7/8" LAM I.G. GLASS: 3/16" ANNEALED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)
11			
12			
13			1" LAM I.G. GLASS: 3/16" TEMPERED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)
14			1" LAM I.G. GLASS: 3/16" ANNEALED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)

NOTE:  
ALL EXTRUDED VINYL MANUFACTURED  
BY QUANEX BUILDING PRODUCTS, INC.



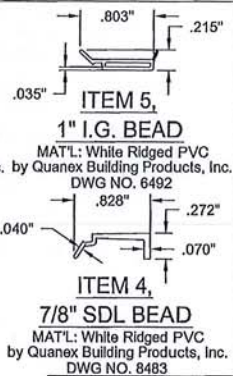
**ITEM 1, INTEGRAL FIN FRAME**

MAT'L: White Ridged PVC by Quanex Building Products, Inc.  
DWG NO. 5165

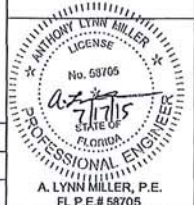


**ITEM 2, BOX FRAME**

MAT'L: White Ridged PVC by Quanex Building Products, Inc.  
DWG NO. 5135



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.13  
Expiration Date Jan 8, 2019  
By *Anthony Lynn Miller*  
Miami Code Product Center

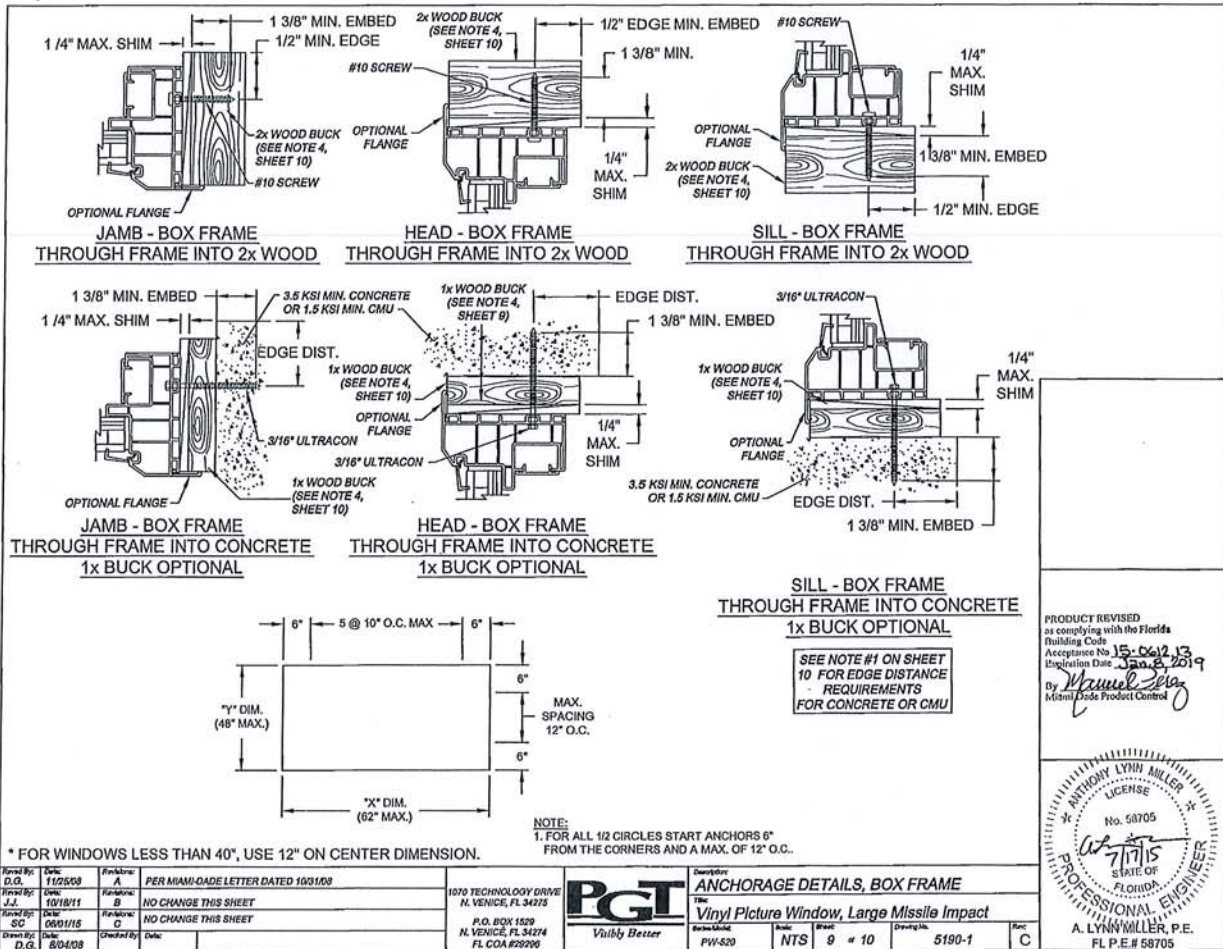


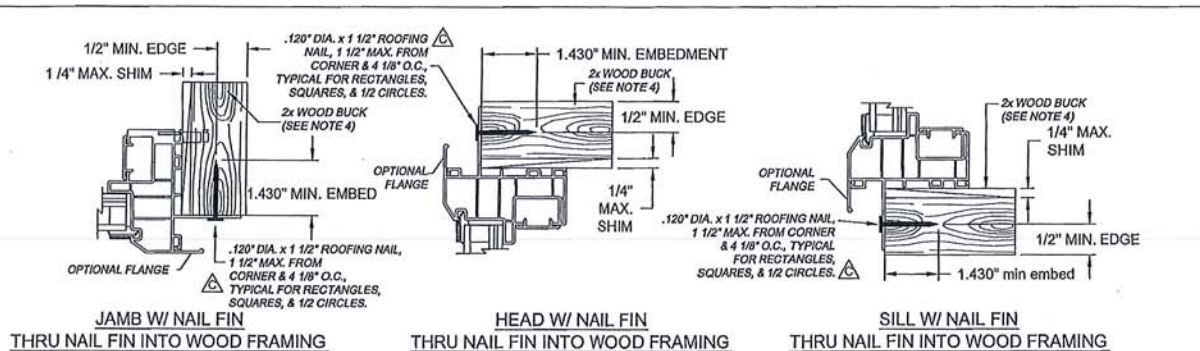
Revised By: D.G.	Date: 11/25/09	Revised By: A	Date: 11/25/09	Revised By: B	Date: 10/16/11	Revised By: C	Date: 06/01/15
PER MIAMI-DADE LETTER DATED 10/31/08				NO CHANGE THIS SHEET			
NO CHANGE THIS SHEET				NO CHANGE THIS SHEET			
Drawn By: D.G.	Date: 06/04/08	Checked By:	Date:				

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
N. VENICE, FL 34274  
FL COA #22299

**PGI**  
Vinyl Better

EXTRUSION PROFILES & PARTS LIST				
Profile	Size	Material	Color	Finish
Vinyl Picture Window, Large Missile Impact	HALF	8	10	5190-1
Part	C			





#### NOTES:

1. FOR CONCRETE (MIN. 2.9 KSI) APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 3/16" ULTRACON, EMBEDDED 1 3/8" MIN., DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1" MINIMUM. MASONRY SHALL CONFORM TO ASTM C90.
2. FOR WOOD (G=0.55) APPLICATIONS IN MIAMI-DADE COUNTY, USE #10 STEEL SCREW, EMBEDDED 1 3/8" MIN..
3. FOR INTEGRAL FIN APPLICATIONS IN MIAMI-DADE COUNTY, USE .120" DIA. x 1 1/2" ROOFING NAIL.
4. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
5. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #10 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ULTRACONS MAY BE USED.

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 15-0612-13  
Evaluation Date Jan 8, 2019  
By *Michael Perry*  
Miami Code Product Control



Revised By: D.G.	Date: 11/25/08	Revision: A	PER MIAMI-DADE LETTER DATED 10/1/08
Revised By: J.J.	Date: 10/18/11	Revision: B	NO CHANGE THIS SHEET
Revised By: SC	Date: 06/01/15	Revision: C	CHANGED TO .120" ROOFING NAIL
Revised By: D.G.	Date: 6/04/08	Checked By:	Date:

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34215  
P.O. BOX 1529  
N. VENICE, FL 34274  
FL COA #29296

**P&T**  
Unbittly Better

Anchor:	ANCHORAGE DETAILS, INTEGRAL FIN
The:	Vinyl Picture Window, Large Missile Impact
Anchor Model:	PW-520
Scale:	NTS
Sheet:	10 of 10
Drawing No.:	5190-1
Rev.:	C





DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Amarr Garage Doors**  
165 Carriage Court  
Winston-Salem, NC 27105

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Model 650 Oak Summit, 600 Stratford & 950 Heritage Series 1000 & 2000 Steel Sectional Garage Door up to 16'-0" Wide w/ Impact Resistant Windows

**APPROVAL DOCUMENT:** Drawing No. IRC-6016-156-26-I, titled "Model #650 Oak Summit, #600 Stratford and # 950 Heritage Series 1000 & 2000", sheets 1 through 3 of 3, dated 02/05/2014, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** A permanent label with the manufacturer's name or logo, 3800 Greenway Circle, Lawrence, Kansas, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 14-0421.01 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



*[Signature]*  
07/15/2015  
**APPROVED**  
Edgar J. Duenas, P.E.  
Punker Engineering & Construction  
120 N. Federal Hwy Suite #305  
Lake Worth, FL 33460

NOA No. 15-0505.20  
Expiration Date: September 25, 2019  
Approval Date: July 23, 2015  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS “Submitted under NOA # 14-0421.01”**

1. Drawing No. **IRC-6016-156-26-I**, titled “Model #650 Oak Summit, #600 Stratford and # 950 Heritage Series 1000 & 2000”, sheets 1 through 3 of 3, dated 02/05/2014, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

**B. TESTS “Submitted under NOA # 14-0421.01”**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
4) Tensile Test per ASTM E8  
5) Forced Entry Resistance Test per FBC, TAS 202-94  
along with marked-up drawings and installation diagram of 16’x 7’ 24 ga (0.021”) steel garage door Model #600, prepared by American Test Lab, Inc., Test Report No. **ATLNC 0211.01-14**, dated 04/02/2014, signed and sealed by David W. Johnson, P.E.

**“Submitted under NOA # 13-0503.08”**

2. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report No. **C5463.01-106-18**, dated 04/03/2013, signed and sealed by Gary T. Hartman, P.E.

**C. CALCULATIONS “Submitted under NOA # 14-0421.01”**

1. Anchor calculations prepared by Structural Solutions, P.A., dated 04/03/2014, signed and sealed by Thomas L. Shelmerdine, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

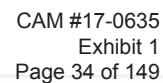
1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC and no financial interest issued by Structural Solutions, PA., dated 04/08/2015, signed and sealed by Tomas L. Shelmerdine, P.E.

  
07/15/2015

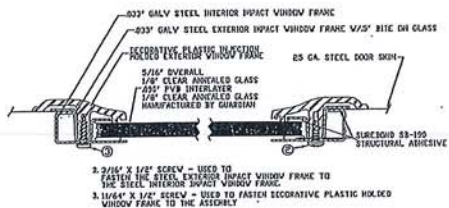
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0505.20

Expiration Date: September 25, 2019  
Approval Date: July 23, 2015

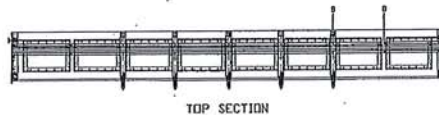








SECTION B-B IMPACT WINDOW DETAIL  
N.T.S.



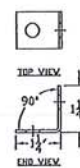
TOP SECTION



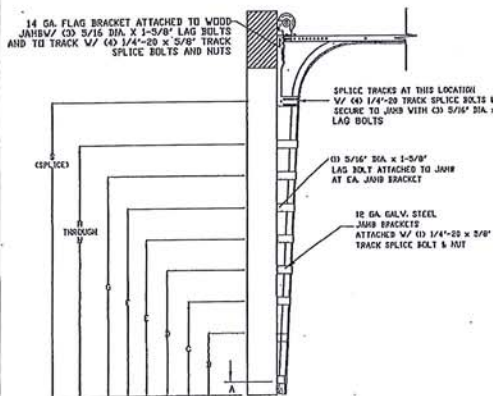
INTERMEDIATE SECTION

OPTIONAL SHORT PANEL GLAZED SECTION STILT AND STILE LAYOUT  
\* ADDITIONAL STILTS MAY BE ADDED TO DOOR WHEN GLAZED FOR COUNTERBALANCE PURPOSES

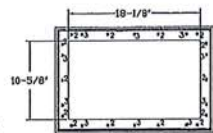
TOP FIXTURE ADDER PIECE



- NOTES:
1. ZINC COATING
  2. MATERIAL YIELD STRENGTH: 35-49 KSI
  3. MATERIAL HARDNESS: 50-60 ROCKWELL B.
  4. 1.25\"/>

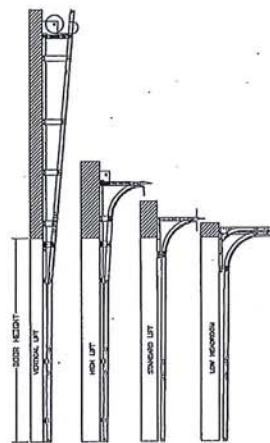
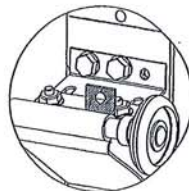


STANDARD TRACK CONFIGURATION FOR 6'6\"/>



IMPACT GLAZING FASTENER DETAIL  
N.T.S.

TOP FIXTURE REINFORCEMENT ILLUSTRATION



AVAILABLE TRACK CONFIGURATIONS  
REAR

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Assessment No. 15-0055-20  
Expiration Date 01/15/2016  
By: [Signature]  
Miami Code Product Control

Approved as complying with the  
Florida Building Code  
Date: 01/15/2016  
NOAB 15-0055-20  
Miami Code Product Control  
By: [Signature]

REV	DESCRIPTION OF REVISIONS	DATE	BY
1	MAX. SIZE WIDTH 14\"/>		
2	DESIGN LOADS +38.0 PSF -42.0 PSF TEST LOADS +57.0 PSF -63.0 PSF LARGE POSSIBLE IMPACT RESISTANT		
<p>Thomas L. Sheldor Professional Engineer No. 40979 STATE OF FLORIDA FL</p> <p><b>Amarr</b> EXTREME-TECH</p> <p>165 EARRING COURT WINTER-DALE, FL 32150</p> <p>MODEL #850 OAK SUNDT SERIES 1000 &amp; 2000 MODEL #800 STRATFORD SERIES 1000 &amp; 2000 MODEL #850 HERITAGE SERIES 1000 &amp; 2000</p>			
SIN	DESIGNED BY	DATE	2/2/16
B	CHECKED BY	DATE	
			DESIGN NUMBER ARC-6016-156-26-1
			SHEET 2 OF 3







DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

PGT Industries, Inc.  
1070 Technology Drive  
North Venice, FL 34275

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.-

**DESCRIPTION:** Series "PW-520 Vinyl" White PVC Fixed Window = L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 5190-1 titled "Vinyl Picture Window, Large Missile Impact", sheets 1 through 10 of 10, dated 08/04/08, with revision C dated 06/01/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 13-1009.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP  
7/23/15

NOA No. 15-0612.13  
Expiration Date: January 08, 2019  
Approval Date: July 23 2015  
Page 1



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 08-0820.15)*
2. Drawing No. **5190-1**, titled "Vinyl Picture Window, Large Missile Impact", sheets 1 through 10 of 10, dated 08/04/08, with revision C dated 06/01/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**


1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94  
along with marked-up drawings and installation diagram of a series PW-520 vinyl fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-5712** and **FTL-5729**, dated 08/13/08 and 09/09/08 respectively, both signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under NOA No. 08-0820.15)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 06/05/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Glazing complies with **ASTM E1300-04**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0612.13  
Expiration Date: January 08, 2019  
Approval Date: July 23 2015

**PGT Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Kuraray Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **12-1017.02** issued to **Quanex Building Products, Inc.**, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/07/13, expiring on 12/26/16.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated June 1, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated June 1, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Reports No. **FTL-5712** and **FTL-5729**, dated 08/13/08 and 09/09/08 respectively, both signed and sealed by Carlos S. Rionda, P.E. (*Submitted under NOA No. 08-0820.15*)

**G. OTHERS**

1. Notice of Acceptance No. **13-1009.04**, issued to PGT Industries for their Series "**PW-520 Vinyl**" White PVC Fixed Window - L.M.I." approved on 11/14/13 and expiring on 01/08/19.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0612.13  
Expiration Date: January 08, 2019  
Approval Date: July 23 2015

## NOTES: LARGE MISSILE WINDOWS

- GLAZING OPTIONS:  
A. 7/8" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" TEMPERED OR ANNEALED GLASS, AIRSPACE AND 5/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITE OF 1/8" ANNEALED GLASS WITH AN .090 INTERLAYER OF BUTACITE PVB BY KURARAY AMERICA INC.  
B. 1" LAMI I.G. GLASS COMPRISED OF (1) LITE OF 3/16" TEMPERED OR ANNEALED GLASS, AIRSPACE AND 5/16" LAMINATED GLASS WHICH IS COMPRISED OF (2) LITES OF 1/8" ANNEALED GLASS WITH AN .090 INTERLAYER OF BUTACITE PVB BY KURARAY AMERICA, INC.
- DESIGN PRESSURE RATINGS: (SEE TABLE 1 AND NOTES BELOW)  
A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND ASTM E 1300 GLASS TABLES.  
B. POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER TEST PRESSURE, AND ASTM E 1300 GLASS TABLES.
- ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, CURRENT EDITION.
- FOR ANCHORAGE INFORMATION SEE SHEETS 9 AND 10.
- SHUTTERS ARE NOT REQUIRED. FOR INSTALLATION OF UNITS ABOVE 30' FROM GRADE IN THE HVHZ, THE EXTERIOR CAP OF INSULATED UNITS MUST BE TEMPERED
- REFERENCES: TEST REPORTS, FTL-5712 & FTL-5729.  
ELCO TETRON NOA  
ANSI/AF&PA NDS FOR WOOD CONSTRUCTION  
QUANEX BUILDING PRODUCTS, INC. (WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS AND DOORS)
- THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

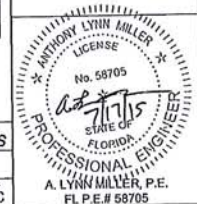
TABLE 1. DESIGN PRESSURES (PSF)  
GLASS TYPES: A. 7/8" LAMINATED INSULATED GLASS (3/16"A - AIRSPACE - 1/8"A., .090, 1/8"A.)  
B. 1" LAMINATED INSULATED GLASS (3/16"A - AIRSPACE 1/8"A., .090, 1/8"A.)

WINDOW HEIGHT	GLASS TYPE	WINDOW WIDTH			
		59.000	60.000	61.000	62.000
44.000	A,B	+80.0 -80.0	+80.0 -80.0	+80.0 -80.0	+80.0 -80.0
	AREA	18.03 SQ.FT.	18.33 SQ.FT.	18.64 SQ.FT.	18.94 SQ.FT.
45.000	A,B	+80.0 -80.0	+80.0 -80.0	+80.0 -80.0	+79.6 -79.6
	AREA	18.44 SQ.FT.	18.75 SQ.FT.	19.06 SQ.FT.	19.38 SQ.FT.
46.000	A,B	+80.0 -80.0	+80.0 -80.0	+80.0 -80.0	+78.5 -78.5
	AREA	18.85 SQ.FT.	19.17 SQ.FT.	19.49 SQ.FT.	19.81 SQ.FT.
47.000	A,B	+80.0 -80.0	+79.9 -79.9	+79.0 -79.0	+77.4 -77.4
	AREA	19.28 SQ.FT.	19.58 SQ.FT.	19.91 SQ.FT.	20.24 SQ.FT.
48.000	A,B	+80.0 -80.0	+78.8 -78.8	+78.0 -78.0	+76.3 -76.3
	AREA	19.67 SQ.FT.	20.00 SQ.FT.	20.33 SQ.FT.	20.67 SQ.FT.

- NOTE:  
1. THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR 1/2 CIRCLES IS +/-80.0 PSF FOR ALL SIZES.  
2. IF A TEMPERED CAP IS USED MAX. DP IS +/-50.0 PSF.

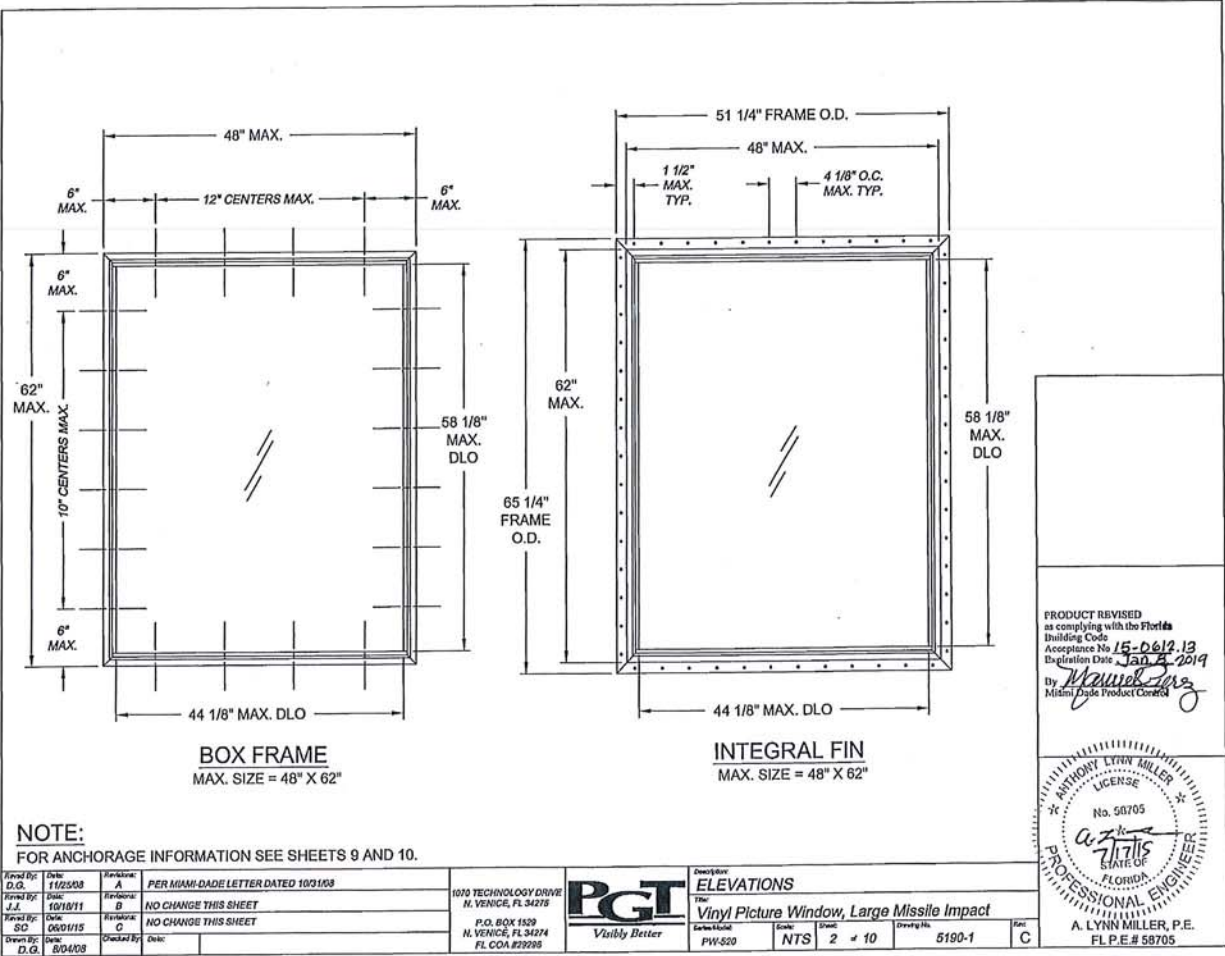
NOA DRAWING TABLE OF CONTENTS	
	SHEET
GENERAL NOTES.....	1
ELEVATIONS.....	2,3
GLAZING DETAILS.....	4
GLAZING DETAILS.....	5
SECTIONS, BOX FRAME.....	6
CORNER ASS'Y, BOX FRAME.....	6
SECTIONS, I.F. FRAME.....	7
CORNER ASS'Y, I.F. FRAME.....	7
EXTRUSION PROFILES.....	8
PARTS LIST.....	8
ANCHORAGE, BOX FRAME.....	9
ANCHORAGE, INTEGRAL FIN.....	10

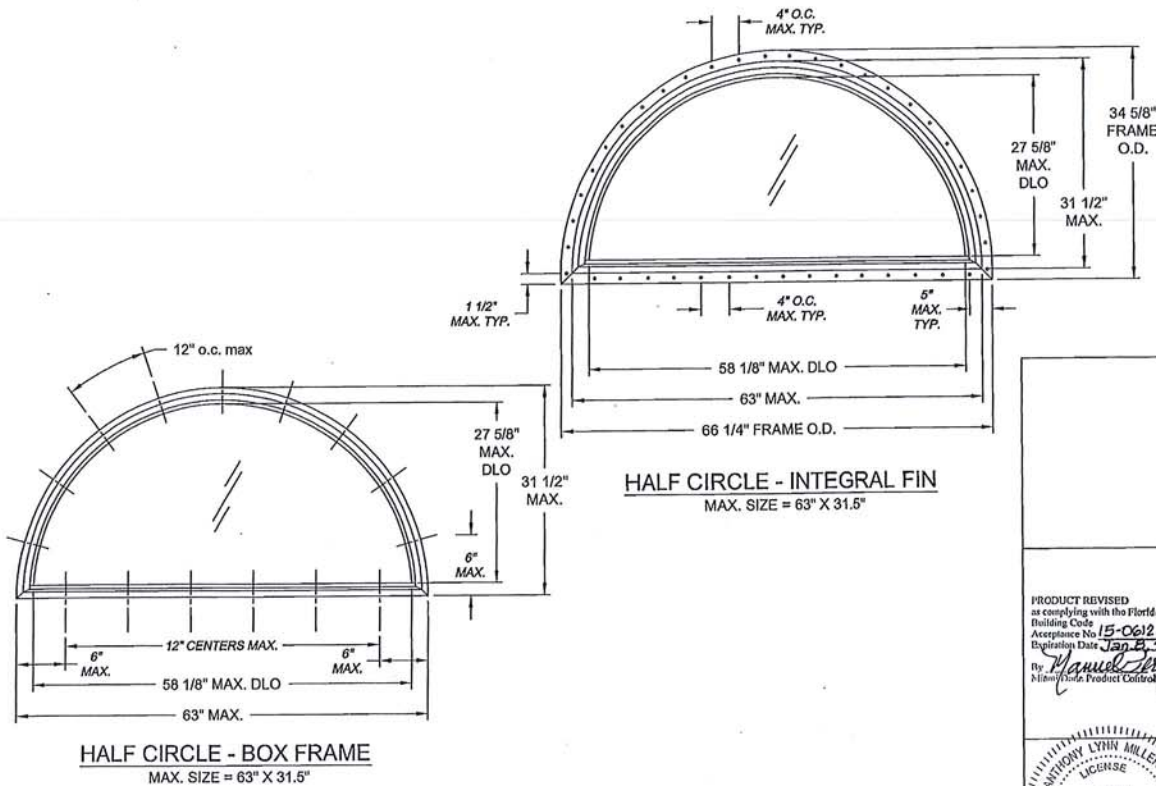
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.13  
Expiration Date Jan. 8, 2019  
By *M. Lynn Miller*  
Miami Trade Product Control



Revised By: D.G.	Date: 11/25/08	Revisions: A	PER MIAMI-DADE LETTER DATED 10/31/08	1070 TECHNOLOGY DRIVE N. VENICE, FL 34215	 Vinyl Picture Window, Large Missile Impact	Description: NOTES, TABLE OF CONTENTS & PRESSURES				Per: C
Revised By: J.J.	Date: 10/19/11	Revisions: B	FBC 2010 CODE CHANGE							
Revised By: SO	Date: 06/01/15	Revisions: O	REVISED NOTE BLOCK	P.O. BOX 1529 N. VENICE, FL 34274 FL COA #29299		Endnote: PW-520	Scale: NTS	Sheet: 1 of 10	Drawing No.: 5190-1	
Revised By: D.G.	Date: 8/4/08	Revisions: C								



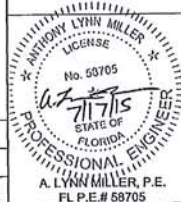


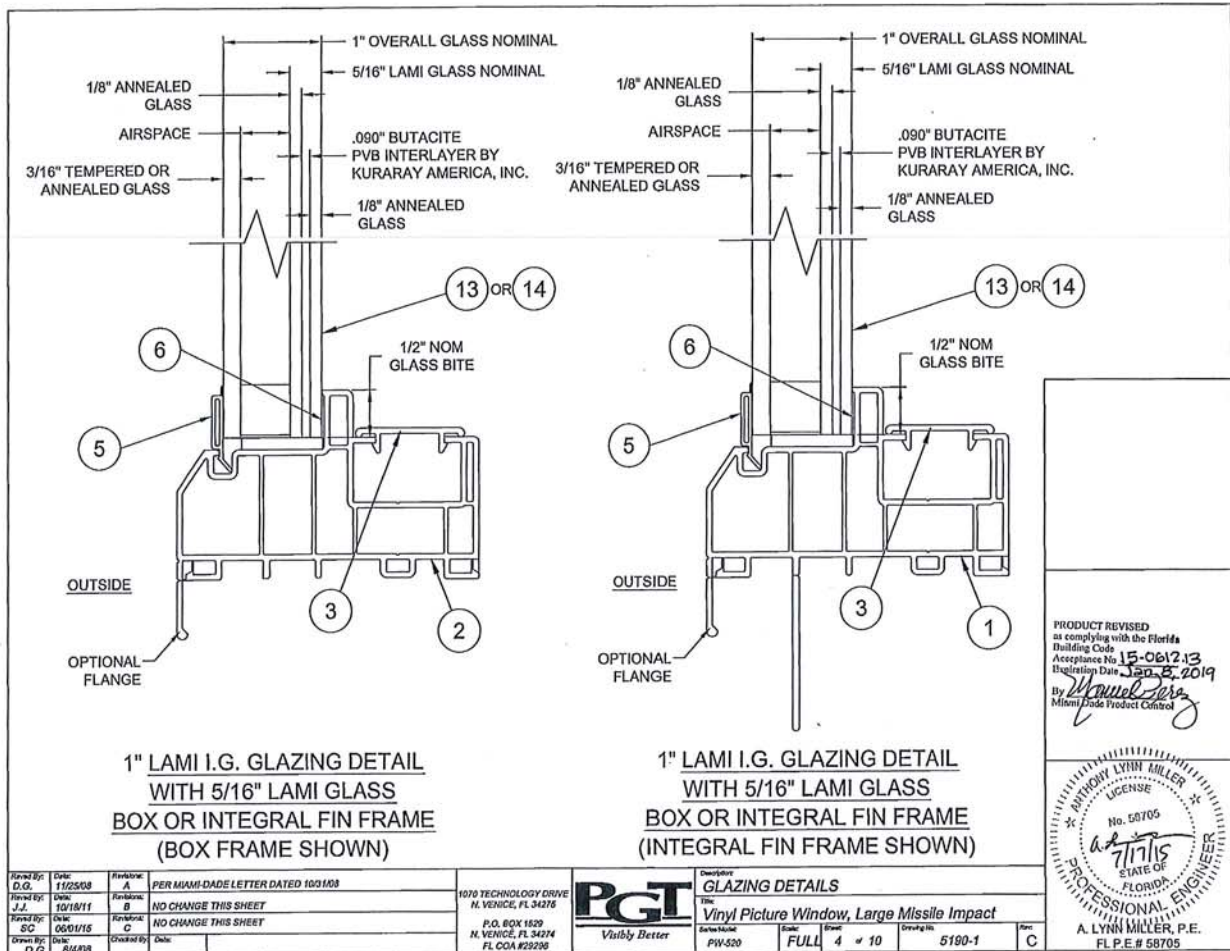


**NOTE:**  
FOR ANCHORAGE INFORMATION SEE SHEETS 9 AND 10.

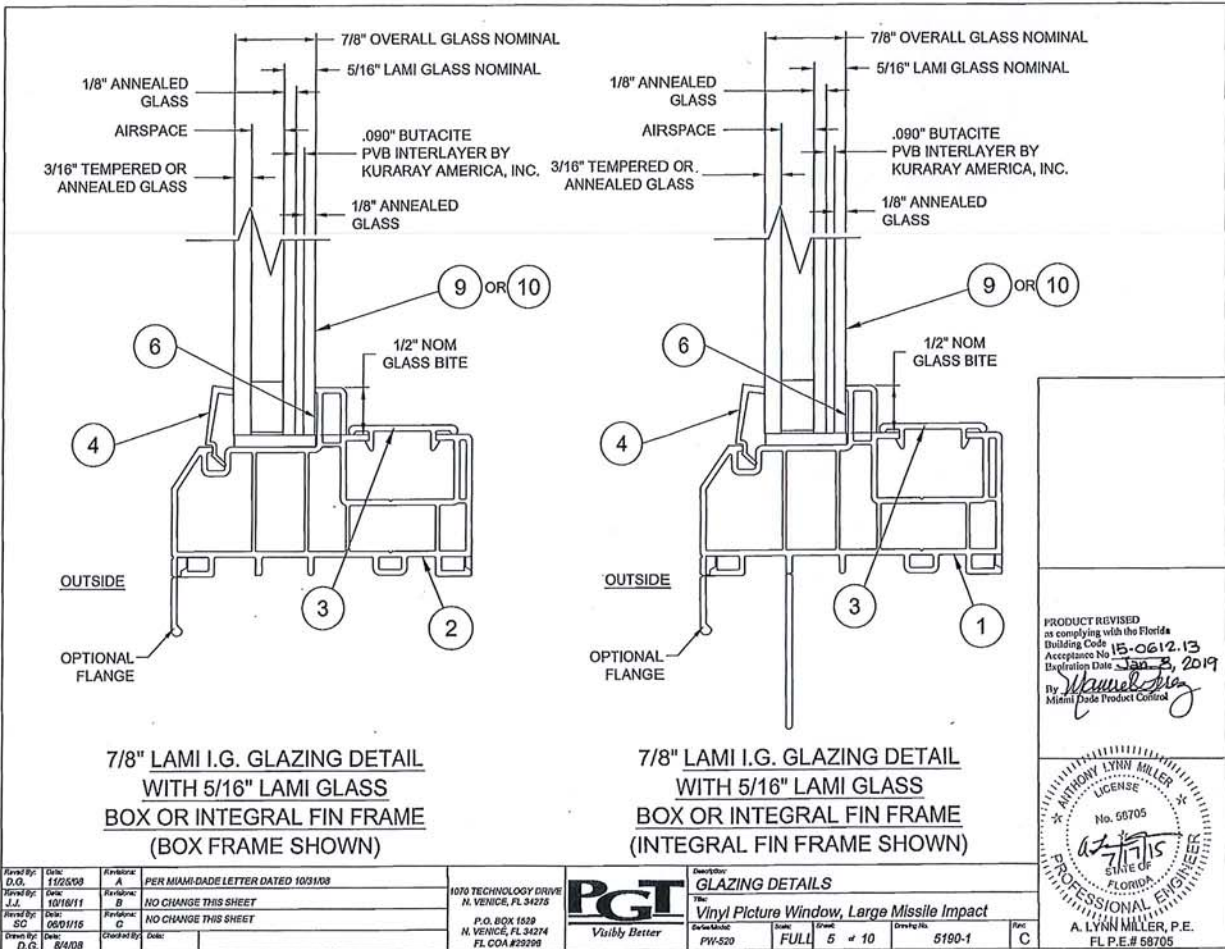
Revised By: D.G.	Date: 11/2/08	Revision: A	PER MIAMI-DADE LETTER DATED 10/01/08	1070 TECHNOLOGY DRIVE N. VENICE, FL 33576	<b>PGT</b> Valley Better				<b>ELEVATIONS</b>			
Revised By: J.J.	Date: 10/16/11	Revision: B	NO CHANGE THIS SHEET	P.O. BOX 1639 N. VENICE, FL 34274 FL COA #29295	Vinyl Picture Window, Large Missile Impact				Product Model: PW-520	Scale: NTS	Sheet: 3 of 10	Drawing No. 5190-1
Revised By: SC	Date: 06/01/15	Revision: C	NO CHANGE THIS SHEET									Rev. C
Drawn By: D.G.	Date: 06/04/08	Checked By:	Date:									

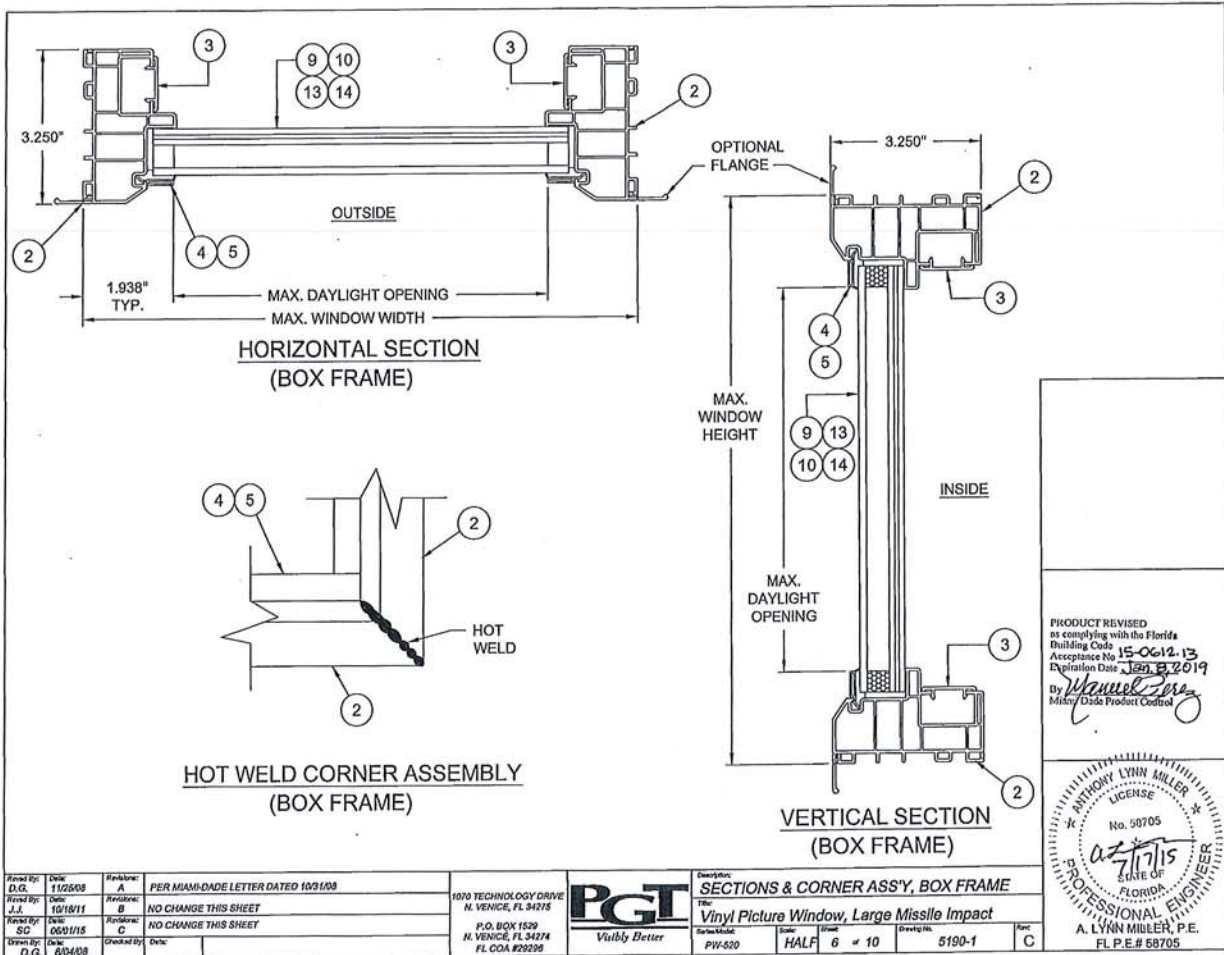
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.13  
Expiration Date Jan. 8, 2019  
By: *Manuel Silva*  
Professional Engineer

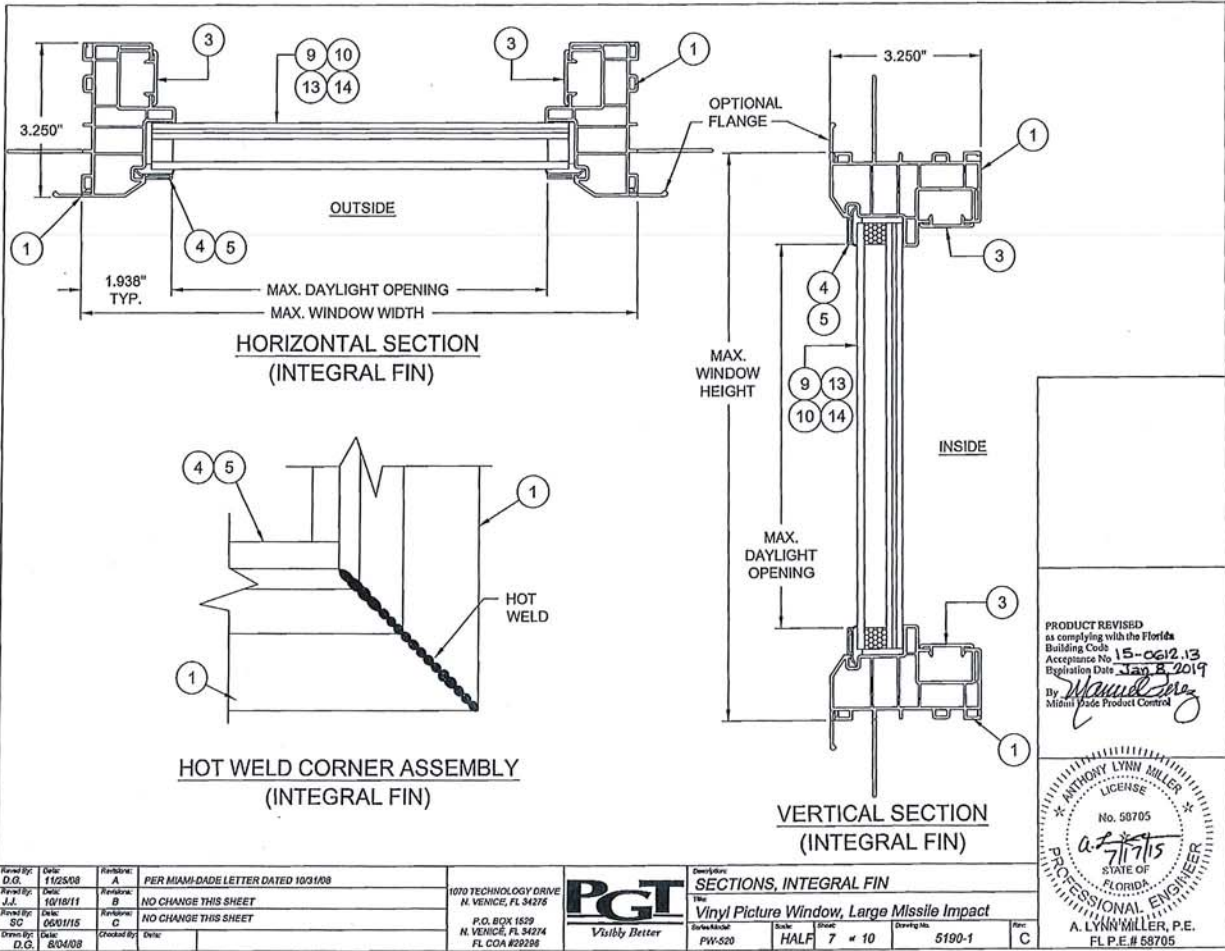












PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.13  
Expiration Date Jan 8, 2019  
By *Wanda J. Miller*  
Miami Made Product Control

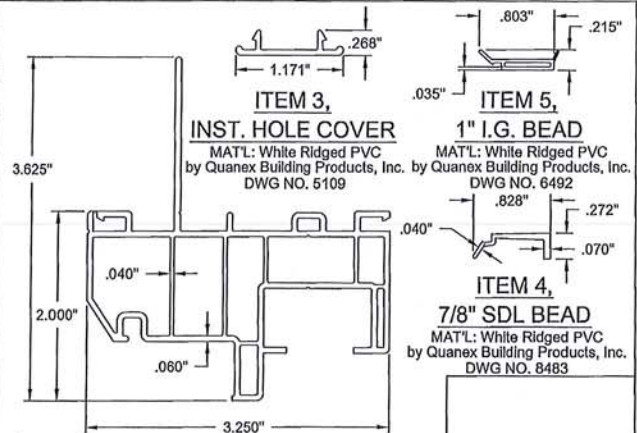
ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
a-2-7/7/15  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
FL P.E. # 58705

Drawn By: D.G. Date: 11/25/08 Revised By: J.J. Date: 10/16/11 Revised By: SC Date: 06/01/15 Drawn By: D.G. Date: 8/04/08	Revision: A PER MIAMI-DADE LETTER DATED 10/31/08 Revision: B NO CHANGE THIS SHEET Revision: C NO CHANGE THIS SHEET	1070 TECHNOLOGY DRIVE N. VENICE, FL 34276 P.O. BOX 1529 N. VENICE, FL 34274 FL COA #29298	<b>PGT</b> <i>Visibly Better</i>	Description: <b>SECTIONS, INTEGRAL FIN</b> Title: <b>Vinyl Picture Window, Large Missile Impact</b>	Scale: HALF Sheet: 7 of: 10 Drawing No.: 5190-1 Rev: C
---	---	---	-------------------------------------	--	--

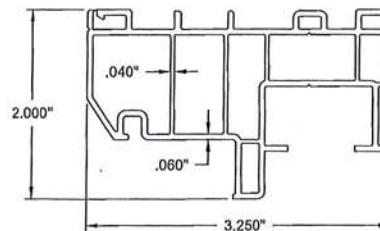


ITEM	DWG NO.	PART #	DESCRIPTION
1	5165	65165	INTEGRAL FIN FRAME HEAD, SILL & JAMB
2	5135	65135	BOX FRAME HEAD, SILL & JAMB
3	5109	65109	FILLER - INSTALL HOLE COVER
4	8483	65148	SDL 7/8" I.G. BEAD
5	6492	65112	STD 1" I.G. BEAD
6			DOW 1199 SILICONE
7			
8			
9			7/8" LAM I.G. GLASS; 3/16" TEMPERED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)
10			7/8" LAM I.G. GLASS; 3/16" ANNEALED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)
11			
12			
13			1" LAM I.G. GLASS; 3/16" TEMPERED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)
14			1" LAM I.G. GLASS; 3/16" ANNEALED OUTBOARD - AIRSPACE - 1/8" ANNEALED - .090" BUTACITE® PVB INTERLAYER - 1/8" ANNEALED (5/16" LAM)

NOTE:  
ALL EXTRUDED VINYL MANUFACTURED  
BY QUANEX BUILDING PRODUCTS, INC.

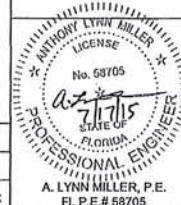


**ITEM 1, INTEGRAL FIN FRAME**  
MAT'L: White Ridged PVC by Quanex Building Products, Inc.  
DWG NO. 5165



**ITEM 2, BOX FRAME**  
MAT'L: White Ridged PVC by Quanex Building Products, Inc.  
DWG NO. 5135

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0642.13  
Expiration Date Jan 2, 2019  
By *[Signature]*  
Miami Trade Product Control

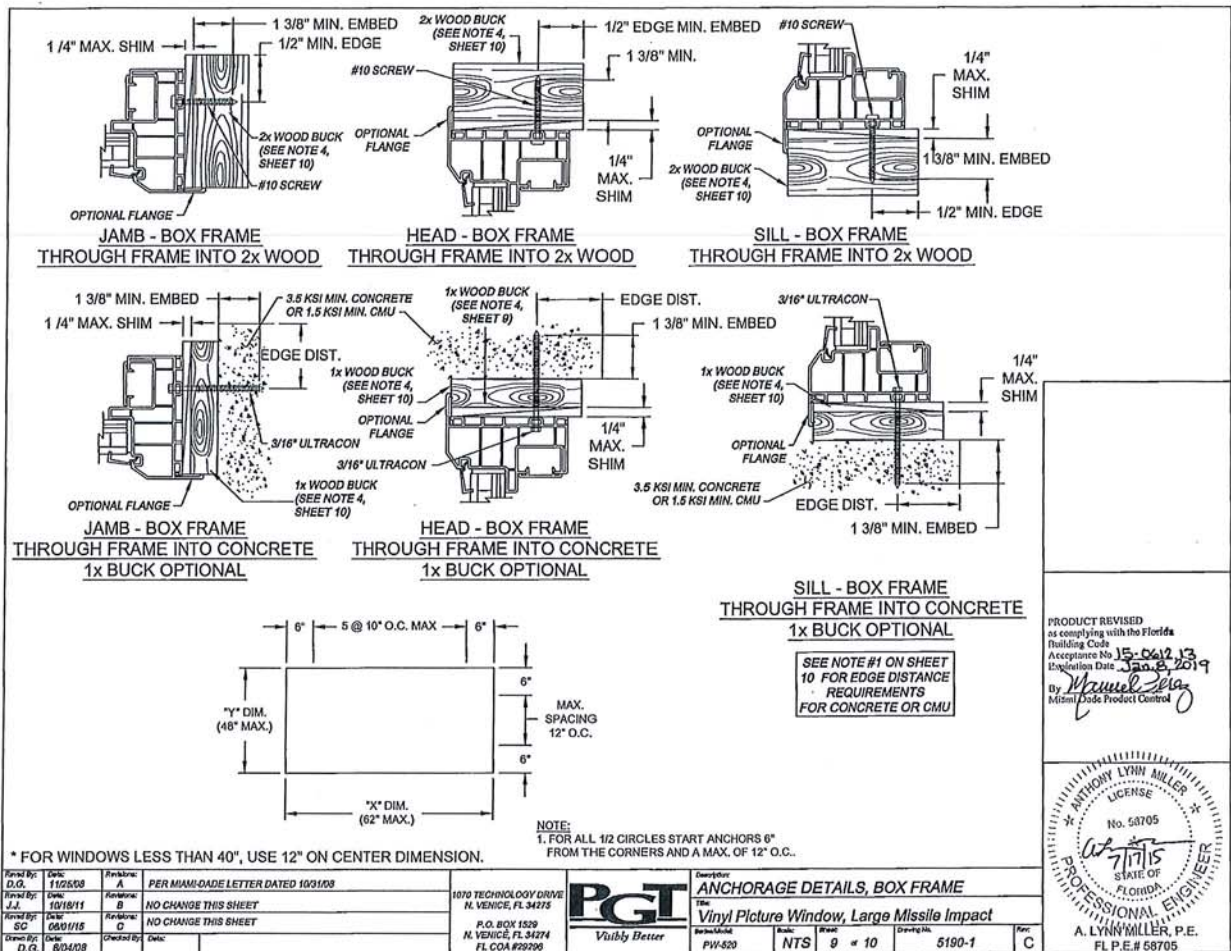


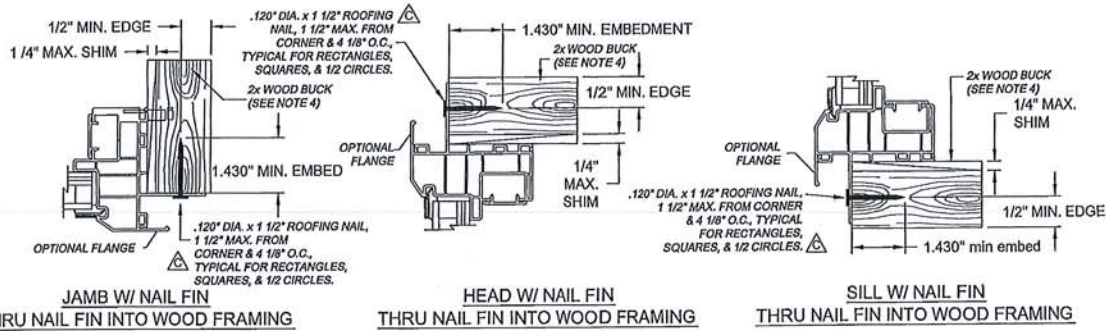
Revised By:	Date:	Revised By:	Date:	Revised By:	Date:
D.G.	11/25/08	A	PER MIAMI-DADE LETTER DATED 10/31/08		
J.J.	10/18/11	B	NO CHANGE THIS SHEET		
SO	06/01/15	C	NO CHANGE THIS SHEET		
Drawn By:	Date:	Checked By:	Date:		
D.G.	04/06/08				

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34215  
P.O. BOX 1520  
N. VENICE, FL 34274  
FL COA #229195



EXTRUSION PROFILES & PARTS LIST			
Vinyl Picture Window, Large Missile Impact			
Series/Model	Color	Profile	Drawing No.
PW-520	HALF	8 x 10	5190-1
			Rev: C





#### NOTES:

1. FOR CONCRETE (MIN. 2.9 KSI) APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 3/16\" ULTRACON, EMBEDDED 1 3/8\" MIN., DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1\" MINIMUM. MASONRY SHALL CONFORM TO ASTM C90.
2. FOR WOOD (G=0.55) APPLICATIONS IN MIAMI-DADE COUNTY, USE #10 STEEL SCREW, EMBEDDED 1 3/8\" MIN..
3. FOR INTEGRAL FIN APPLICATIONS IN MIAMI-DADE COUNTY, USE .120\" DIA. x 1 1/2\" ROOFING NAIL.
4. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2\". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2\" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
5. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/8\" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #10 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ULTRACONS MAY BE USED.

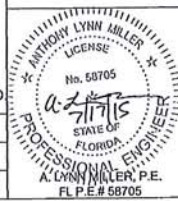
Revised By: D.G.	Date: 11/25/08	Revised By: A	Date: 11/25/08	Revised By: B	Date: 10/18/11	Revised By: C	Date: 05/01/15
PER MIAMI-DADE LETTER DATED 10/18/08				NO CHANGE THIS SHEET			
				CHANGED TO .120\" ROOFING NAIL			
Drawn By: D.G.	Date: 05/04/08	Checked By:	Date:				

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
P.O. BOX 1529  
N. VENICE, FL 34274  
FL COA #23256



Anchor:  
**ANCHORAGE DETAILS, INTEGRAL FIN**  
The  
**Vinyl Picture Window, Large Missile Impact**  
Series/Model:  
PW-520  
Scale:  
NTS  
Sheet:  
10 of 10  
Drawing No.  
5190-1  
Rev:  
C

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0612.13  
Expiration Date Jan 1, 2019  
By: *Matthew Perry*  
Miami Code Product Control







[BCIS Home](#) | [Log In](#) | [User Registration](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



**Product Approval**  
USER: Public User

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



FL #  
Application Type  
Code Version  
Application Status

FL14911-R7  
Revision  
2014  
Approved

Comments  
Archived

☐

Product Manufacturer  
Address/Phone/Email

Silverline Building Products Corp.  
One Silverline Drive  
North Brunswick, NJ 08902  
(800) 234-4228 Ext 4644  
Jonberrian@slbp.com

Authorized Signature

Vivian Wright  
rickw@rwbldgconsultants.com

Technical Representative  
Address/Phone/Email

Jon Berrian  
One Silverline Drive  
North Brunswick, NJ 08902  
(732) 435-1000  
jonberrian@slbp.com

Quality Assurance Representative  
Address/Phone/Email

Category  
Subcategory

Windows  
Single Hung

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer  
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report  
Florida License  
Quality Assurance Entity  
Quality Assurance Contract Expiration Date  
Validated By

Lyndon F. Schmidt, P.E.  
PE-43409  
Window and Door Manufacturers Association-QA  
08/03/2021  
Ryan J. King, P.E.  
☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL14911\\_R7\\_COI\\_Certificate Of Independence \(2\).pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
AAMA/WDMA/CSA/101/1.S.2/A440	2008
AAMA/WDMA/CSA/101/1.S.2/A440	2011
ASTM D1929	1996
ASTM D2843	1993
ASTM D635	1996
ASTM D638	1996
ASTM E1886	2005
ASTM E1996	2009
ASTM G26	1995
TAS 201, 202 and 203	1994

Equivalence of Product Standards  
Certified By

Florida Licensed Professional Engineer or Architect  
[FL14911\\_R7\\_Equiv\\_Equivalency Of Standards.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted  
Date Validated  
Date Pending FBC Approval  
Date Approved

04/02/2015  
04/13/2015  
04/16/2015  
06/23/2015

Summary of Products

Go to Page  26

Page 1 / 2

FL #	Model, Number or Name	Description
14911.1	a. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin

**JAN 26 2017**  
**APPROVED**  
Edgar V. Dueñas, P.E.  
Bunker Engineering & Construction  
120 N. Federal Hwy. Suite #305  
Lake Worth, FL 33460

<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.1.pdf</a> Created by Independent Third Party: Yes
14911.2	b. S 2900/4900 - M 2901/4901	"Oriel" Extruded Vinyl Single Hung Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.2.pdf</a> Created by Independent Third Party: Yes
14911.3	c. Series 2900/4900 Models 2901/4901 "Weather Stopper"	Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14911.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars. (Note - See 14911.24 for Wind Zone 4 and HVHZ Impact Product)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.3.pdf</a> Created by Independent Third Party: Yes
14911.4	d. S 2900/4900 - M 2902/4902	Twin - Single Hung Continuous Head and Sill Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.4.pdf</a> Created by Independent Third Party: Yes
14911.5	e. S 2900/4900 - M 2903/4903	Triple - Single Hung Continuous Head and Sill Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.5.pdf</a> Created by Independent Third Party: Yes
14911.6	f. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.6 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.6.pdf</a> Created by Independent Third Party: Yes
14911.7	g. S 2900/4900 - M 2902/4902	Twin - Single Hung Continuous Head and Sill Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: This Product is No Longer Offered by Silverline Building Products, Corporation (See 14911.7 - 2010 FBC version for Historical Documents regarding this Approval)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.7.pdf</a> Created by Independent Third Party: Yes
14911.8	h. S 2900/4900 - M 2903/4903	Triple - Single Hung Continuous Head and Sill Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: This Product is No Longer Offered by Silverline Building Products, Corporation (See 14911.8 - 2010 FBC version for Historical Documents regarding this Approval)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.8.pdf</a> Created by Independent Third Party: Yes
14911.9	i. Series 2900/4900 Models 2901/4901 "Weather Stopper"	Extruded Vinyl Single Hung Window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14911.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars. (Note - See 14911.25 for Wind Zone 4 and HVHZ Impact Product)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.9.pdf</a> Created by Independent Third Party: Yes
14911.10	j. Series 2000 / Model 2001	Extruded Vinyl Single Hung Window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.10.pdf</a> Created by Independent Third Party: Yes
14911.11	k. Series 2000 / Model 2002	Extruded Vinyl Twin Single Hung Window (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.11.pdf</a> Created by Independent Third Party: Yes



14911.12	l. Series 2000 / Model 2003	Extruded Vinyl Triple Single Hung Window (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.12 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.12.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.12.pdf</a> Created by Independent Third Party: Yes
14911.13	m. Series 2100 / Model 2111	Extruded Vinyl Single Hung Window - Flange
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.13 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.13.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.13.pdf</a> Created by Independent Third Party: Yes
14911.14	n. Series 2200/2300 - Model 2201/2301	Extruded Vinyl Single Hung Window - Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.14 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.14.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.14.pdf</a> Created by Independent Third Party: Yes
14911.15	o. Series 2200/2300 - Model 2202/2302	Extruded Vinyl Twin Single Hung Window - Nailing Fin (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.15 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.15.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.15.pdf</a> Created by Independent Third Party: Yes
14911.16	p. Series 2200/2300 - Model 2203/2303	Extruded Vinyl Triple Single Hung Window - Nailing Fin (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.16 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.16.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.16.pdf</a> Created by Independent Third Party: Yes
14911.17	q. Series 2907 Model 2907	Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.17 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.17.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.17.pdf</a> Created by Independent Third Party: Yes
14911.18	r. Series 2907 Model 2907TW	Twin - Continuous Head & Sill Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.18 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.18.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.18.pdf</a> Created by Independent Third Party: Yes
14911.19	s. Series 2907 Model 2907TR	Triple - Continuous Head & Sill Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.19 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.19.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.19.pdf</a> Created by Independent Third Party: Yes
14911.20	t. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.20 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.20.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.20.pdf</a> Created by Independent Third Party: Yes

Go to Page 

Page 1 / 2

[Back](#) [Next](#)

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

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





Sections from the Code

Product Approval Method

Method 1 Option D


Date Submitted 04/02/2015  
Date Validated 04/13/2015  
Date Pending FBC Approval 04/16/2015  
Date Approved 06/23/2015





Summary of Products

Go to Page  

  Page 2 / 2  

FL #	Model, Number or Name	Description
14911.21	u. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Flange
<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> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14911.21 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.21.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.21.pdf</a> Created by Independent Third Party: Yes
14911.22	v. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Nailing Fin
<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 14911.22 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.22.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.22.pdf</a> Created by Independent Third Party: Yes
14911.23	w. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Flange
<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 14911.23 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.23.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.23.pdf</a> Created by Independent Third Party: Yes
14911.24	x. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin
<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 14911.24 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.24.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.24.pdf</a> Created by Independent Third Party: Yes
14911.25	y. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin
<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 14911.25 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.25.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.25.pdf</a> Created by Independent Third Party: Yes

Go to Page  

  Page 2 / 2  

**Product Evaluation Report****Report No.:** FL-14911.23**Date:** March 4, 2014

Product Category	Sub Category	Manufacturer	Product Name
Window	Single Hung	Silverline Building Products Corporation 1 Silverline Dr. North Brunswick, NJ 08902 Phone 732.435.1000	Series 70 - Model 2127 Extruded Vinyl Single Hung Window with Flange "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 SilverLine Building Products 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.

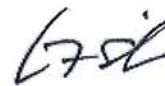
**Limitations:**

1. This product has been evaluated and is in compliance with the 2010 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 Section 1609.1.2 of the 2010 FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
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-14911.23 require further engineering analysis by a licensed engineer or registered architect.
7. This product meets the water infiltration requirements for "HVHZ".
8. See drawing FL-14911.23 for size and design pressure limitations.

**Supporting Documents:**

- |                             |  |                           |                               |
|-----------------------------|--|---------------------------|-------------------------------|
| <b>1. Test Report No.</b>   | <b>Test Standard</b>                                   | <b>Testing Laboratory</b> | <b>Signed by</b>              |
| NCTL 110-16326-1            | TAS 201, 202 and 203-94                                | NCTL                      | Robert H. Zeiders, P.E.       |
| NCTL 110-16327-1            | TAS 201, 202 and 203-94                                | NCTL                      | Robert H. Zeiders, P.E.       |
| <b>Materials</b>            | <b>PVC Extrusions</b>                                  |                           |                               |
| ETC 97-264-40910            | ASTM D635-96, D1929-96, D2843-93<br>D638-96 and G26-95 | ETC, Laboratories         | J. L. Doldan, P.E.            |
| <b>2. Dade-County NOA</b>   | <b>Materials Testing</b>                               |                           |                               |
| NOA 12-1231.10              | Saflex® PVB Interlayer (Eastman Chemical Company)      |                           |                               |
| <b>3. Drawing No.</b>       | <b>Prepared by</b>                                     |                           | <b>Signed &amp; Sealed by</b> |
| No. FL-14911.23             | RW Building Consultants, Inc. (CA #9813)               |                           | Lyndon F. Schmidt, P.E.       |
| <b>4. Calculations</b>      | <b>Prepared by</b>                                     |                           | <b>Signed &amp; Sealed by</b> |
| Anchoring                   | RW Building Consultants, Inc. (CA #9813)               |                           | Lyndon F. Schmidt, P.E.       |
| ASTM E1300 Glass Load       | Lyndon F. Schmidt, P.E.                                |                           |                               |
| <b>5. Quality Assurance</b> |  |                           |                               |

Certificate of Participation issued by Window & Door Manufacturers Association, certifying that SilverLine Building Products 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  
3/5/2014



# Silverline<sup>®</sup>

by Andersen<sup>®</sup>

## W I N D O W S • D O O R S

### SERIES 70 - MODEL 2127IMPACTFL

### EXTRUDED VINYL SINGLE HUNG WINDOW

### W / FLANGE

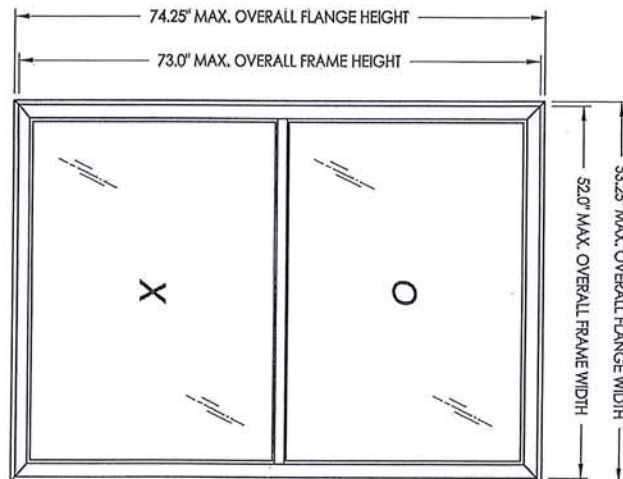
### "IMPACT"

#### GENERAL NOTES

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 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 Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "V" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Section 1609.1.2.2.
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. This product meets water infiltration requirements for "HVHZ".

#### TABLE OF CONTENTS

SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Horizontal & vertical cross sections
4	Buck and frame anchoring
5	Bill of materials, glazing details & components

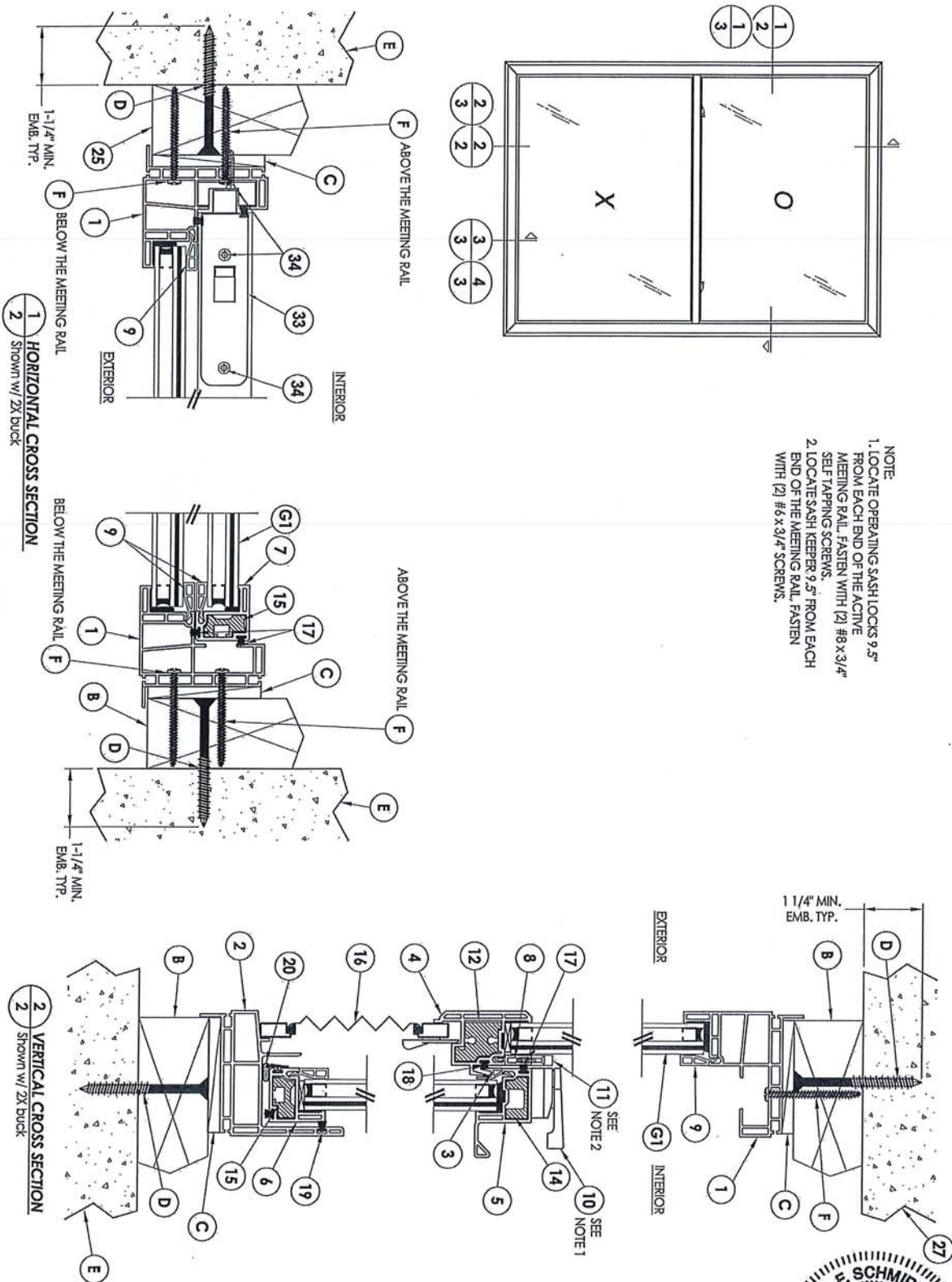


OVERALL FLANGE DIMENSION	OVERALL FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)
53.25" x 74.25"	52.0" x 73.0"	47.625" x 33.50"	G1	+55.0 -60.0

DATE: 9/12/13		SCALE: N.T.S.		DWG. BY: JKS		CHK. BY: LFS		DRAWING NO.: FL-14911.23		SHEET 1 OF 5	
2		3/24/15		UPDATE TO 5TH ED. (2014) FBC		LFS		BY		PRODUCT: SINGLE HUNG WINDOW	
1		9/16/13		REVISE DRWG. NO.		JK		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
NO.		DATE		REVISIONS		BY		Rw		BUILDING CONSULTANTS, INC., P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	

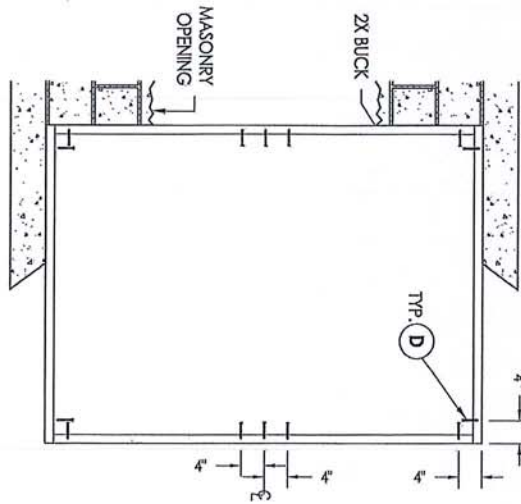




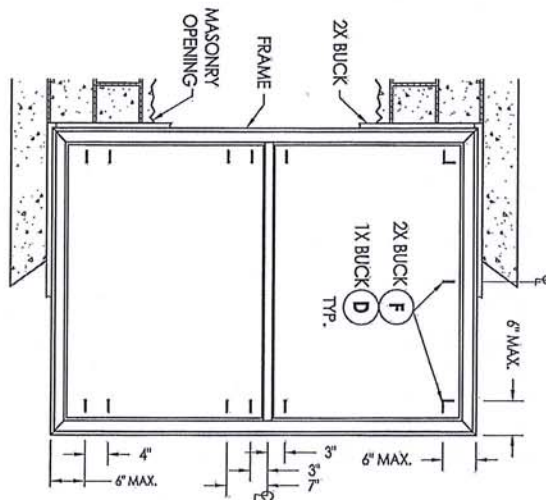








**BUCK ANCHORING  
MASONRY**



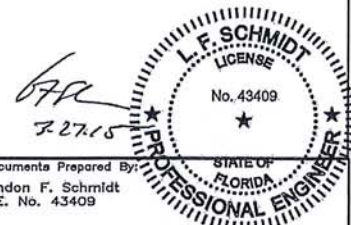
**FRAME ANCHORING**

- CONCRETE ANCHOR NOTES:**
1. Concrete anchor locations of the corners may be adjusted to maintain the min. edge distance to mortar joints.
  2. Concrete anchor locations noted as "MAX. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" dimensions are not exceeded.
  3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY TO ADJACENT ANCHOR	MIN. CLEARANCE TO MASONRY TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2"	4"
TAPCON®	1/4"	1-1/4"	2"	4"
EICO	1/4"	1-1/4"	2"	4"
ULTRACON®	1/4"	1-1/4"	2"	4"

**WOOD SCREW INSTALLATION NOTES:**

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



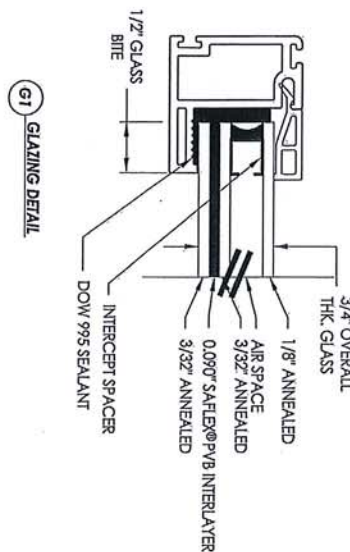
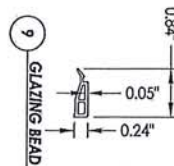
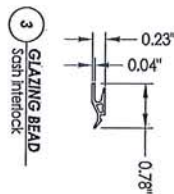
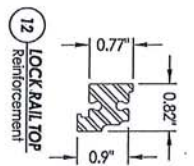
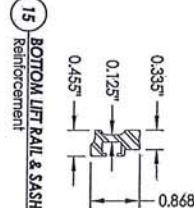
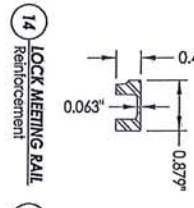
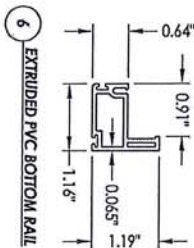
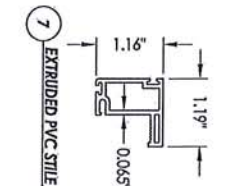
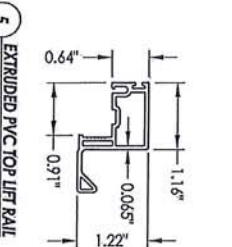
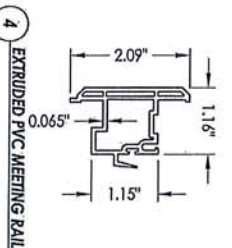
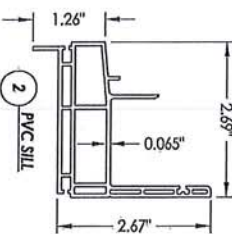
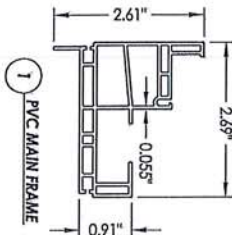
PRODUCT:		Documents Prepared By:	
SINGLE HUNG WINDOW		Lyndon F. Schmidt P.E. No. 43409	
PART OR ASSEMBLY:		BUILDING CONSULTANTS, INC.	
BUCK & FRAME ANCHORING		P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
REVISIONS		NO. DATE	
		2 3/24/15 UPDATE TO 5TH ED. (2014) FBC LFS	
		1 9/16/13 REVISE DRWG. NO. JK	
		DATE 9/12/13	
		SCALE N.T.S.	
		DWG. BY: JK	
		CHK. BY: LFS	
		DRAWING NO.: FL-14911.23	
		SHEET 4 OF 5	



# BILL OF MATERIALS

ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" ELCO OR RW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS	STEEL
1	EXTRUDED PVC MAIN FRAME #52-2611*	PVC
2	EXTRUDED PVC SILL #52-2673*	PVC
3	EXTRUDED PVC GLAZING BEAD (INTERLOCK) #52-1257*	PVC
4	EXTRUDED PVC MEETING RAIL #52-2907*	PVC
5	EXTRUDED PVC TOP LIFT RAIL #52-2949*	PVC
6	EXTRUDED PVC BOTTOM RAIL #52-2905*	PVC
7	EXTRUDED PVC STILE #52-2905*	PVC
9	EXTRUDED PVC GLAZING BEAD (VERT. & HORT.) #52-1227*	PVC
10	OPERABLE SASH LOCK #12-2241	PVC
11	SASH KEEPER #12-2240	STEEL
12	FIXED MEETING RAIL REINFORCEMENT #50-2408 (6105-15)	ALUM
14	LOCK RAIL REINFORCEMENT #50-2609 (6105-15)	ALUM
15	BOTTOM LIFT RAIL & SASH REINFORCEMENT #50-2967 (6063-16)	ALUM
16	WINDOW SCREEN	-
17	WEATHERSTRIP PILE W/RN. 1.87 x .270, LOCK RAIL & SASH (ULTRA-FAB)	-
18	WEATHERSTRIP PILE W/RN. 1.87 x .230, FIXED MEETING RAIL (ULTRA-FAB)	-
19	WEATHERSTRIP PILE W/RN. 1.87 x .150, SILL (ULTRA-FAB)	-
20	WEATHERSTRIP VINYL BULB 1.87 x .375 (AMESBURY)	-
33	TILT LATCH #2818-00	STEEL
34	#8 X 1" PPH SMS	STEEL

\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



NO.	DATE	REVISIONS
1	9/16/13	REVISE DRWG. NO.
2	3/24/15	UPDATE TO 5TH ED. (2014) FBC

DATE	BY	REVISIONS
9/12/13	LFS	DATE
3/24/15	JK	DATE
9/16/13	JK	DATE

PRODUCT:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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





BCIS Home | Log In | User Registration | Hot Topics | Submit Surcharge | Stats & Facts | Publications | FBC Staff | BCIS Site Map | Links | Search |



**Product Approval**  
USER: Public User

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



FL # FL14911-R7  
Application Type Revision  
Code Version 2014  
Application Status Approved

Comments  
Archived ☐

Product Manufacturer Silverline Building Products Corp.  
Address/Phone/Email One Silverline Drive  
North Brunswick, NJ 08902  
(800) 234-4228 Ext 4644  
Jonberrian@slbp.com

Authorized Signature Vivian Wright  
rickw@rwbldgconsultants.com

Technical Representative Jon Berrian  
Address/Phone/Email One Silverline Drive  
North Brunswick, NJ 08902  
(732) 435-1000  
jonberrian@slbp.com

Quality Assurance Representative  
Address/Phone/Email

Category Windows  
Subcategory Single Hung

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, R.E.  
Florida License PE-43409  
Quality Assurance Entity Window and Door Manufacturers Association-QA  
Quality Assurance Contract Expiration Date 08/03/2021  
Validated By Ryan J. King, R.E.  
☐ Validation Checklist - Hardcopy Received

Certificate of Independence [FL14911\\_R7\\_COI\\_Certificate Of Independence \(2\).pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	AAMA/WDMA/CSA/101/I.S.2/A440	2008
	AAMA/WDMA/CSA/101/I.S.2/A440	2011
	ASTM D1929	1996
	ASTM D2843	1993
	ASTM D635	1996
	ASTM D638	1996
	ASTM E1886	2005
	ASTM E1996	2009
	ASTM G26	1995
	TAS 201, 202 and 203	1994

Equivalence of Product Standards  
Certified By

Florida Licensed Professional Engineer or Architect  
[FL14911\\_R7\\_Equiv\\_Equivalency Of Standards.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted 04/02/2015  
Date Validated 04/13/2015  
Date Pending FBC Approval 04/16/2015  
Date Approved 06/23/2015

Summary of Products

Go to Page

Page 1 / 2

FL #	Model, Number or Name	Description
14911.1	a. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin





<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.1.pdf</a> Created by Independent Third Party: Yes
14911.2	b. S 2900/4900 - M 2901/4901	"Oriel" Extruded Vinyl Single Hung Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.2.pdf</a> Created by Independent Third Party: Yes
14911.3	c. Series 2900/4900 Models 2901/4901 "Weather Stopper"	Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14911.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars. (Note - See 14911.24 for Wind Zone 4 and HVHZ Impact Product)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.3.pdf</a> Created by Independent Third Party: Yes
14911.4	d. S 2900/4900 - M 2902/4902	Twin - Single Hung Continuous Head and Sill Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.4.pdf</a> Created by Independent Third Party: Yes
14911.5	e. S 2900/4900 - M 2903/4903	Triple - Single Hung Continuous Head and Sill Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.5.pdf</a> Created by Independent Third Party: Yes
14911.6	f. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.6 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.6.pdf</a> Created by Independent Third Party: Yes
14911.7	g. S 2900/4900 - M 2902/4902	Twin - Single Hung Continuous Head and Sill Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: This Product is No Longer Offered by Silverline Building Products, Corporation (See 14911.7 - 2010 FBC version for Historical Documents regarding this Approval)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.7.pdf</a> Created by Independent Third Party: Yes
14911.8	h. S 2900/4900 - M 2903/4903	Triple - Single Hung Continuous Head and Sill Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: This Product is No Longer Offered by Silverline Building Products, Corporation (See 14911.8 - 2010 FBC version for Historical Documents regarding this Approval)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.8.pdf</a> Created by Independent Third Party: Yes
14911.9	i. Series 2900/4900 Models 2901/4901 "Weather Stopper"	Extruded Vinyl Single Hung Window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14911.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars. (Note - See 14911.25 for Wind Zone 4 and HVHZ Impact Product)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.9.pdf</a> Created by Independent Third Party: Yes
14911.10	j. Series 2000 / Model 2001	Extruded Vinyl Single Hung Window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.10.pdf</a> Created by Independent Third Party: Yes
14911.11	k. Series 2000 / Model 2002	Extruded Vinyl Twin Single Hung Window (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.11.pdf</a> Created by Independent Third Party: Yes



14911.12	l. Series 2000 / Model 2003	Extruded Vinyl Triple Single Hung Window (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.12 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.12.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.12.pdf</a> Created by Independent Third Party: Yes
14911.13	m. Series 2100 / Model 2111	Extruded Vinyl Single Hung Window - Flange
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.13 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.13.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.13.pdf</a> Created by Independent Third Party: Yes
14911.14	n. Series 2200/2300 - Model 2201/2301	Extruded Vinyl Single Hung Window - Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.14 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.14.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.14.pdf</a> Created by Independent Third Party: Yes
14911.15	o. Series 2200/2300 - Model 2202/2302	Extruded Vinyl Twin Single Hung Window - Nailing Fin (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.15 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.15.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.15.pdf</a> Created by Independent Third Party: Yes
14911.16	p. Series 2200/2300 - Model 2203/2303	Extruded Vinyl Triple Single Hung Window - Nailing Fin (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.16 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.16.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.16.pdf</a> Created by Independent Third Party: Yes
14911.17	q. Series 2907 Model 2907	Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.17 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.17.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.17.pdf</a> Created by Independent Third Party: Yes
14911.18	r. Series 2907 Model 2907TW	Twin - Continuous Head & Sill Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.18 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.18.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.18.pdf</a> Created by Independent Third Party: Yes
14911.19	s. Series 2907 Model 2907TR	Triple - Continuous Head & Sill Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.19 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.19.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.19.pdf</a> Created by Independent Third Party: Yes
14911.20	t. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.20 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.20.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.20.pdf</a> Created by Independent Third Party: Yes

Go to Page  29

Page 1 / 2



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

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: Privacy Statement :: Accessibility Statement :: Refund Statement

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted 04/02/2015  
Date Validated 04/13/2015  
Date Pending FBC Approval 04/16/2015  
Date Approved 06/23/2015

Summary of Products

Go to Page  66

Page 2 / 2

FL #	Model, Number or Name	Description
14911.21	u. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Flange
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.21 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911 R7 II Inst 14911.21.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911 R7 AE Eval 14911.21.pdf</a> Created by Independent Third Party: Yes
14911.22	v. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Nailing Fin
<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 14911.22 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911 R7 II Inst 14911.22.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911 R7 AE Eval 14911.22.pdf</a> Created by Independent Third Party: Yes
14911.23	w. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Flange
<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 14911.23 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911 R7 II Inst 14911.23.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911 R7 AE Eval 14911.23.pdf</a> Created by Independent Third Party: Yes
14911.24	x. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin
<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 14911.24 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911 R7 II Inst 14911.24.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911 R7 AE Eval 14911.24.pdf</a> Created by Independent Third Party: Yes
14911.25	y. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin
<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 14911.25 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911 R7 II Inst 14911.25.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911 R7 AE Eval 14911.25.pdf</a> Created by Independent Third Party: Yes

Go to Page  66

Page 2 / 2



**Product Evaluation Report****Report No.: FL-14911.22****Date: March 4, 2014**

Product Category	Sub Category	Manufacturer	Product Name
Window	Single Hung	Silverline Building Products Corporation 1 Silverline Dr. North Brunswick, NJ 08902 Phone 732.435.1000	Series 70 - Model 2127 Extruded Vinyl Single Hung Window with Nailing Fin "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 SilverLine Building Products 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 2010 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 Section 1609.1.2 of the 2010 FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996.
5. Site conditions that deviate from the details of drawing FL-14911.22 require further engineering analysis by a licensed engineer or registered architect.
6. This product meets the water infiltration requirements for "HVHZ".
7. See drawing FL-14911.22 for size and design pressure limitations.

**Supporting Documents:**

- |   |   |  |  |
|---|---|--|--|
| 1. <b>Test Report No.</b><br>NCTL 110-16326-1<br>NCTL 110-16327-1   | <b>Test Standard</b><br>TAS 201, 202 and 203-94<br>TAS 201, 202 and 203-94                | <b>Testing Laboratory</b><br>NCTL<br>NCTL                | <b>Signed by</b><br>Robert H. Zeiders, P.E.<br>Robert H. Zeiders, P.E. |
| <b>Materials</b><br>ETC 97-264-40910  | <b>PVC Extrusions</b><br>ASTM D635-96, D1929-96, D2843-93<br>D638-96 and G26-95           | ETC, Laboratories  | J. L. Doldan, P.E.   |
| 2. <b>Dade-County NOA</b><br>NOA 12-1231.10   | <b>Materials Testing</b><br>Saflex® PVB Interlayer (Eastman Chemical Company)             |  |  |
| 3. <b>Drawing No.</b><br>No. FL-14911.22  | <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 Window & Door Manufacturers Association, certifying that SilverLine Building Products 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  
3/5/2014



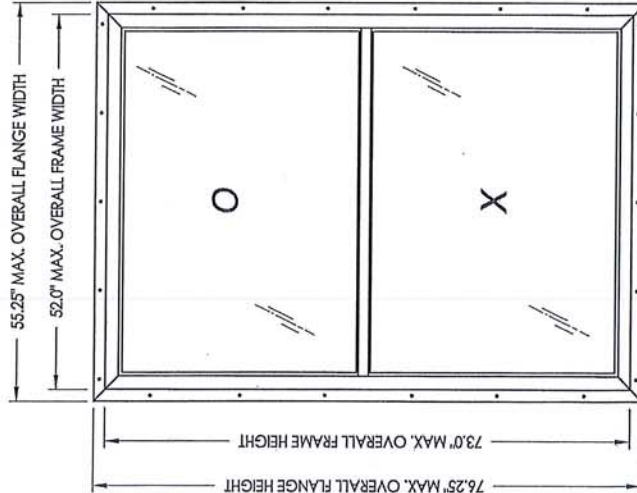


SERIES 70 - MODEL 2127IMPACTFIN  
EXTRUDED VINYL SINGLE HUNG WINDOW  
w/ NAILING FIN  
"IMPACT"

GENERAL NOTES

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 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 Section 1609.1.2 of the FBC 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 Section 1609.1.2.2.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ".

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Horizontal & vertical cross sections
4	Buck & frame anchoring
5	Bill of materials, glazing details & components



OVERALL FIN DIMENSION	OVERALL FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
55.25" x 76.25"	52.0" x 73.0"	47.625" x 33.5"	G1	+55.0	-60.0

**Professional Engineer**  
L. F. SCHMIDT  
No. 43409  
FLORIDA  
STATE OF

Documents Prepared By: Lyndon F. Schmidt  
P.E. No. 43409

**Professional Engineer**  
P.O. Box 230, Vero Beach, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

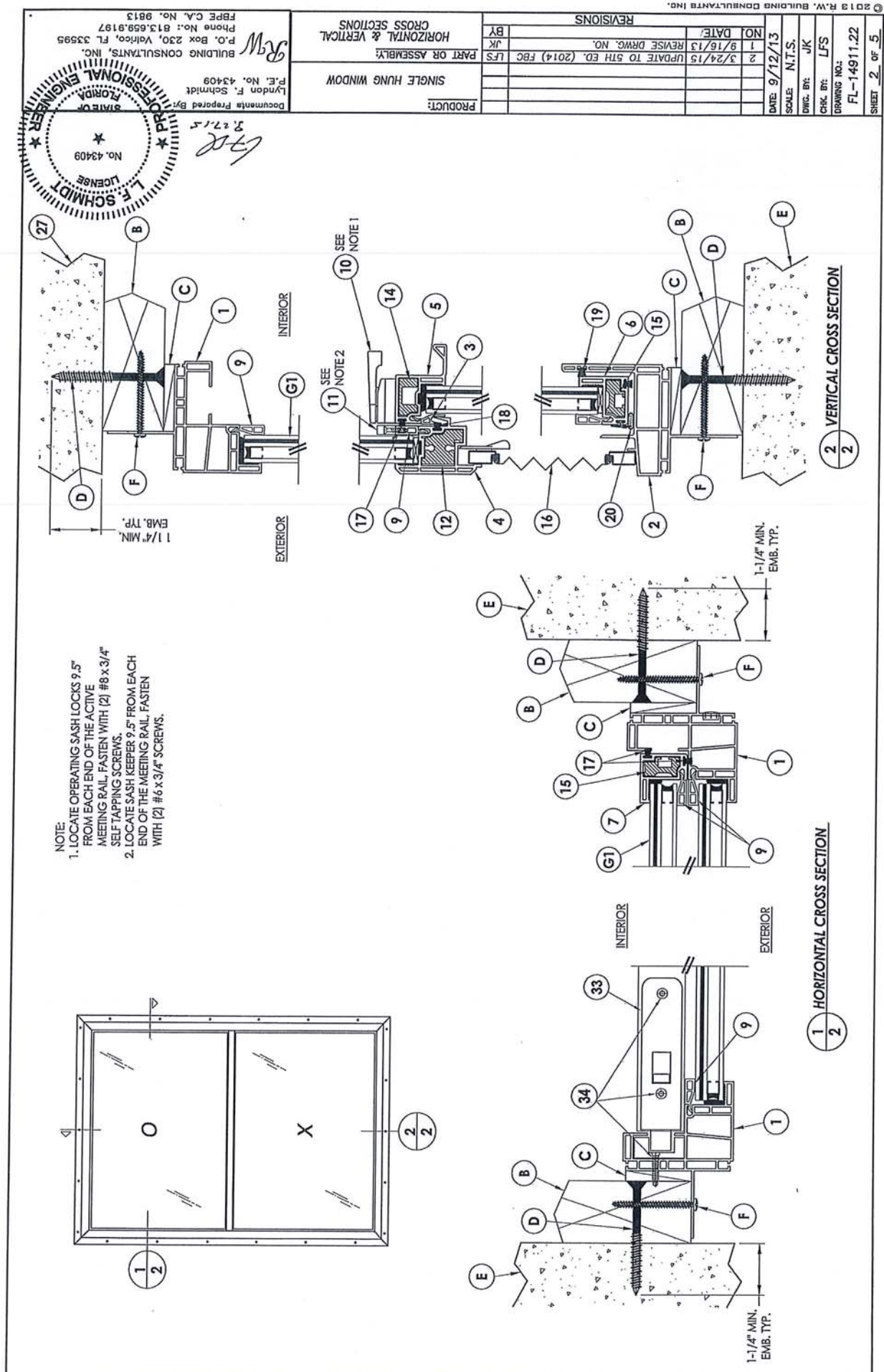
PRODUCT: SINGLE HUNG WINDOW

PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

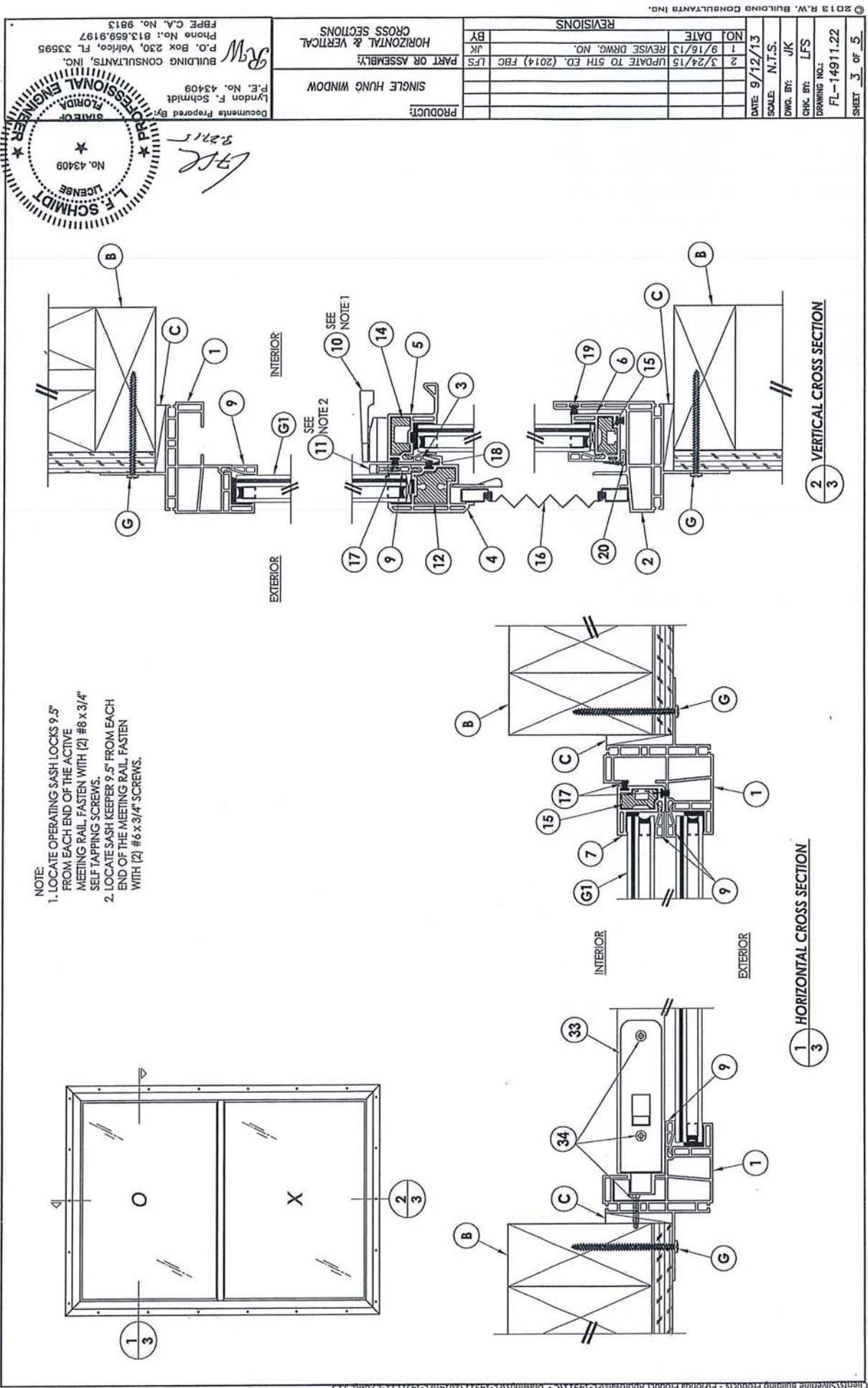
NO.	DATE	REVISIONS
1	9/16/13	REVISE DRWG. NO.
2	3/24/15	UPDATE TO 5TH ED. (2014) FBC

BY	JK
CHK	LFS

DATE: 9/12/13  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-14911.22  
SHEET 1 of 5









R:\Clients\Silverline Building Products - P\Florida Product Approvals\FL-14911C - Drawings\FL-14911 (2014)\FL-14911 22-23.dwg, 4.23

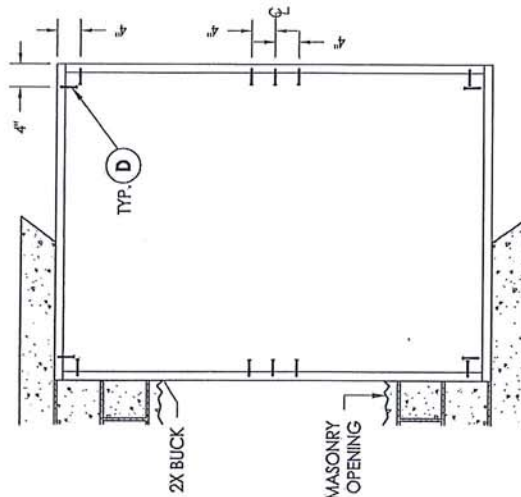
- CONCRETE ANCHOR NOTES:**
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
  - Concrete anchor locations noted as "MAX. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to mortar joints; additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" dimensions are not exceeded.
  - Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

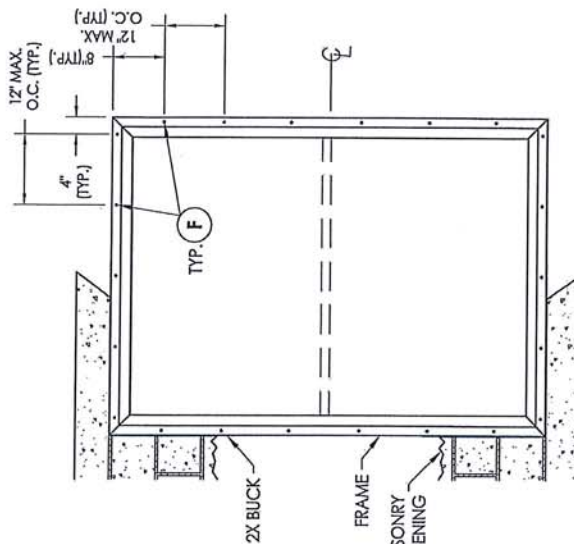
**WOOD SCREW INSTALLATION NOTES:**

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

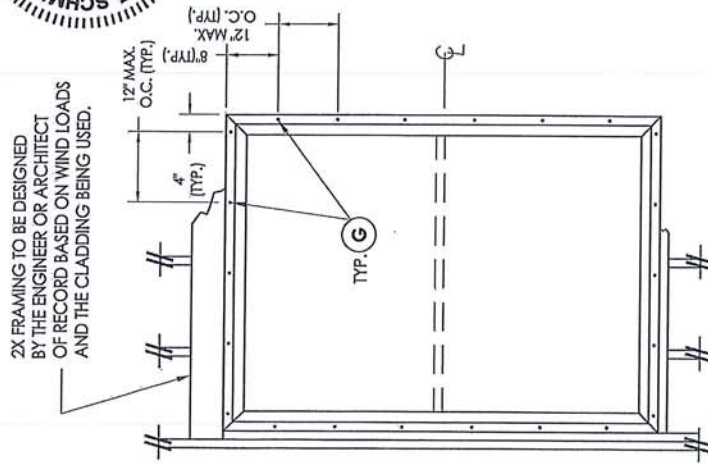
**BUCK ANCHORING  
MASONRY**



**FRAME ANCHORING  
2X BUCK**

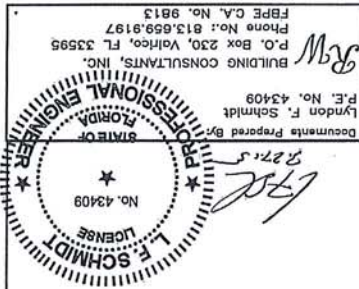


**FRAME ANCHORING  
2X STUD**



<b>REVISIONS</b> NO. DATE 1 9/16/13 REVISE DRWG. NO. 2 3/24/15 UPDATE TO 5TH ED. (2014) FBC		BUILDING CONSULTANTS, INC. P.O. Box 230, Vero Beach, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813
SINGLE HUNG WINDOW PART OR ASSEMBLY: BUCK & FRAME ANCHORING		L.F. SCHMIDT PROFESSIONAL ENGINEER No. 43409 FLORIDA STATE OF
PRODUCT: SINGLE HUNG WINDOW		Lyndon F. Schmidt P.E. No. 43409 Documents Prepared By:
DATE: 9/12/13 SCALE: N.T.S. DWG. BY: JK CHK. BY: LFS DRAWING NO.: FL-14911.22 SHEET 4 of 5		

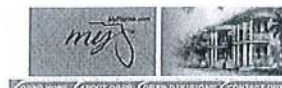
**\*\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".**



PRODUCT:	SINGLE HUNG WINDOW
PART OR ASSEMBLY:	
BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	

BY	
JK	
LFS	O 5TH EO. (2014) FBC

DATE: 9/12/13	SCALE: N.T.S.	DWG. BY: JK	CHK. BY: LFS	DRAWING NO: FL-14911.22	SHEET 5 OF 5
NO	DATE	REVISE	DATE		
1	9/16/13	REVISE	DATE		
2	3/24/15	UPDATE	DATE		



[BCIS Home](#) | [Log In](#) | [User Registration](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



**Product Approval**  
USER: Public User

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



FL #  
Application Type  
Code Version  
Application Status

FL14911-R7  
Revision  
2014  
Approved

Comments  
Archived

Product Manufacturer  
Address/Phone/Email

Silverline Building Products Corp.  
One Silverline Drive  
North Brunswick, NJ 08902  
(800) 234-4228 Ext 4644  
Jonberrian@slbp.com

Authorized Signature

Vivian Wright  
rickw@rvbldgconsultants.com

Technical Representative  
Address/Phone/Email

Jon Berrian  
One Silverline Drive  
North Brunswick, NJ 08902  
(732) 435-1000  
jonberrian@slbp.com

Quality Assurance Representative  
Address/Phone/Email

Category  
Subcategory

Windows  
Single Hung

Compliance Method

Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer  
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report  
Florida License  
Quality Assurance Entity  
Quality Assurance Contract Expiration Date  
Validated By

Lyndon F. Schmidt, P.E.  
PE-43409  
Window and Door Manufacturers Association-QA  
08/03/2021  
Ryan J. King, P.E.  
☒ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL14911\\_R7\\_COI\\_Certificate Of Independence \(2\).pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
AAMA/WDMA/CSA/101/I.S.2/A440	2008
AAMA/WDMA/CSA/101/I.S.2/A440	2011
ASTM D1929	1996
ASTM D2843	1993
ASTM D635	1996
ASTM D638	1996
ASTM E1886	2005
ASTM E1996	2009
ASTM G26	1995
TAS 201, 202 and 203	1994

Equivalence of Product Standards  
Certified By

Florida Licensed Professional Engineer or Architect  
[FL14911\\_R7\\_Equiv\\_Equivalency Of Standards.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted  
Date Validated  
Date Pending FBC Approval  
Date Approved

04/02/2015  
04/13/2015  
04/16/2015  
06/23/2015

Summary of Products  
Go to Page [20](#)

FL #	Model, Number or Name	Description
14911.1	a. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin

**JAN 26 2017**  
**APPROVED**  
Edgar V. Ducan, P.E.  
Bunker Engineering & Construction  
120 N. Federal Hwy, Suite #305  
Lake Worth, FL 33460

Page 1 / 2



<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.1.pdf</a> Created by Independent Third Party: Yes
14911.2	b. S 2900/4900 - M 2901/4901	"Oriel" Extruded Vinyl Single Hung Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.2.pdf</a> Created by Independent Third Party: Yes
14911.3	c. Series 2900/4900 Models 2901/4901 "Weather Stopper"	Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14911.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars. (Note - See 14911.24 for Wind Zone 4 and HVHZ Impact Product)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.3.pdf</a> Created by Independent Third Party: Yes
14911.4	d. S 2900/4900 - M 2902/4902	Twin - Single Hung Continuous Head and Sill Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.4.pdf</a> Created by Independent Third Party: Yes
14911.5	e. S 2900/4900 - M 2903/4903	Triple - Single Hung Continuous Head and Sill Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.5.pdf</a> Created by Independent Third Party: Yes
14911.6	f. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.6 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.6.pdf</a> Created by Independent Third Party: Yes
14911.7	g. S 2900/4900 - M 2902/4902	Twin - Single Hung Continuous Head and Sill Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: This Product is No Longer Offered by Silverline Building Products, Corporation (See 14911.7 - 2010 FBC version for Historical Documents regarding this Approval)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.7.pdf</a> Created by Independent Third Party: Yes
14911.8	h. S 2900/4900 - M 2903/4903	Triple - Single Hung Continuous Head and Sill Extruded Vinyl Window-Flange with Strap Anchor on Sill
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: This Product is No Longer Offered by Silverline Building Products, Corporation (See 14911.8 - 2010 FBC version for Historical Documents regarding this Approval)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.8.pdf</a> Created by Independent Third Party: Yes
14911.9	i. Series 2900/4900 Models 2901/4901 "Weather Stopper"	Extruded Vinyl Single Hung Window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14911.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars. (Note - See 14911.25 for Wind Zone 4 and HVHZ Impact Product)		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.9.pdf</a> Created by Independent Third Party: Yes
14911.10	j. Series 2000 / Model 2001	Extruded Vinyl Single Hung Window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.10.pdf</a> Created by Independent Third Party: Yes
14911.11	k. Series 2000 / Model 2002	Extruded Vinyl Twin Single Hung Window (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.11.pdf</a> Created by Independent Third Party: Yes

14911.12	l. Series 2000 / Model 2003	Extruded Vinyl Triple Single Hung Window (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.12 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.12.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.12.pdf</a> Created by Independent Third Party: Yes
14911.13	m. Series 2100 / Model 2111	Extruded Vinyl Single Hung Window - Flange
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.13 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.13.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.13.pdf</a> Created by Independent Third Party: Yes
14911.14	n. Series 2200/2300 - Model 2201/2301	Extruded Vinyl Single Hung Window - Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.14 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.14.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.14.pdf</a> Created by Independent Third Party: Yes
14911.15	o. Series 2200/2300 - Model 2202/2302	Extruded Vinyl Twin Single Hung Window - Nailing Fin (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.15 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.15.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.15.pdf</a> Created by Independent Third Party: Yes
14911.16	p. Series 2200/2300 - Model 2203/2303	Extruded Vinyl Triple Single Hung Window - Nailing Fin (Continuous Head and Sill with Integral Mullion)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.16 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.16.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.16.pdf</a> Created by Independent Third Party: Yes
14911.17	q. Series 2907 Model 2907	Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.17 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.17.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.17.pdf</a> Created by Independent Third Party: Yes
14911.18	r. Series 2907 Model 2907TW	Twin - Continuous Head & Sill Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.18 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.18.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.18.pdf</a> Created by Independent Third Party: Yes
14911.19	s. Series 2907 Model 2907TR	Triple - Continuous Head & Sill Single Hung Extruded Vinyl Window with Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.19 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.19.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.19.pdf</a> Created by Independent Third Party: Yes
14911.20	t. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Nailing Fin
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14911.20 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst_14911.20.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval_14911.20.pdf</a> Created by Independent Third Party: Yes

Go to Page 

Page 1 / 2

[Back](#) [Next](#)

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

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The email provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





Sections from the Code

Product Approval Method

Method 1 Option D


Date Submitted 04/02/2015  
Date Validated 04/13/2015  
Date Pending FBC Approval 04/16/2015  
Date Approved 06/23/2015

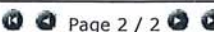
Summary of Products

Go to Page  

 Page 2 / 2

FL #	Model, Number or Name	Description
14911.21	u. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Flange
<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> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14911.21 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.21.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.21.pdf</a> Created by Independent Third Party: Yes
14911.22	v. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Nailing Fin
<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 14911.22 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.22.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.22.pdf</a> Created by Independent Third Party: Yes
14911.23	w. Series 70 Model 2127	Extruded Vinyl Single Hung Window - Flange
<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 14911.23 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.23.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.23.pdf</a> Created by Independent Third Party: Yes
14911.24	x. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin
<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 14911.24 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.24.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.24.pdf</a> Created by Independent Third Party: Yes
14911.25	y. S 2900/4900 - M 2901/4901	Single Hung Extruded Vinyl Window with Nailing Fin
<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 14911.25 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14911_R7_II_Inst 14911.25.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14911_R7_AE_Eval 14911.25.pdf</a> Created by Independent Third Party: Yes

Go to Page  

 Page 2 / 2



**Product Evaluation Report****Report No.:** FL-14911.9**Date:** March 24, 2015

Product Category	Sub Category	Manufacturer	Product Name
Window	Single Hung	Silverline Building Products Corporation 1 Silverline Dr. North Brunswick, NJ 08902 Phone 732.435.1000	Series 2900/4900 - Model 2901/4901 "Weather Stopper" Extruded Vinyl Single Hung Window "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 SilverLine Building Products Corporation based on Rule Chapter No. 61G20-3, Method 1d of the State of Florida Product Approval, Department of Business & Professional Regulation.

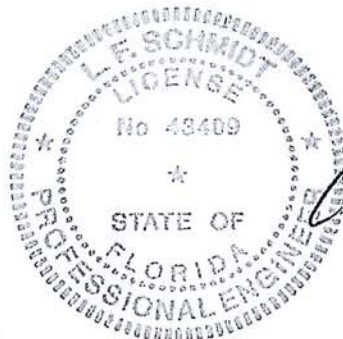
RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

**Limitations:**

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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 Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996.
4. Site conditions that deviate from the details of drawing FL-14911.9 require further engineering analysis by a licensed engineer or registered architect.
5. See drawing FL-14911.9 for size and design pressure limitations.

**Supporting Documents:**

- |                           |                                 |                           |                         |
|---------------------------|---------------------------------|---------------------------|-------------------------|
| <b>1. Test Report No.</b> | <b>Test Standard</b>            | <b>Testing Laboratory</b> | <b>Signed by</b>        |
| NCTL 110-15665-1          | AAMA/WDMA/CSA 101/I.S.2/A440-08 | NCTL                      | Robert H. Zeiders, P.E. |
| NCTL 110-15665-2          | ASTM E1886-05/ASTM E1996-09     | NCTL                      | Robert H. Zeiders, P.E. |
| NCTL 110-16675-3          | AAMA/WDMA/CSA 101/I.S.2/A440-11 | NCTL                      | Robert H. Zeiders, P.E. |
| NCTL 110-16675-2          | ASTM E1886-05/ASTM E1996-09     | NCTL                      | Robert H. Zeiders, P.E. |
- 
- |                           |   |  |
|---------------------------|---|--|
| <b>2. Dade-County NOA</b> | <b>Materials Testing</b>                          |  |
| 14-0423-16                | Saflex® PVB Interlayer (Eastman Chemical Company) |  |
- 
- |                       |  |                               |
|-----------------------|--|-------------------------------|
| <b>3. Drawing No.</b> | <b>Prepared by</b>                       | <b>Signed &amp; Sealed by</b> |
| No. FL-14911.9        | RW Building Consultants, Inc. (CA #9813) | Lyndon F. Schmidt, P.E.       |
- 
- |                        |  |                               |
|------------------------|--|-------------------------------|
| <b>4. Calculations</b> | <b>Prepared by</b>                       | <b>Signed &amp; Sealed by</b> |
| Anchoring              | RW Building Consultants, Inc. (CA #9813) | Lyndon F. Schmidt, P.E.       |
- 
- 5. Quality Assurance**  
 Certificate of Participation issued by Window & Door Manufacturers Association, certifying that SilverLine Building Products 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  
 3/27/2015

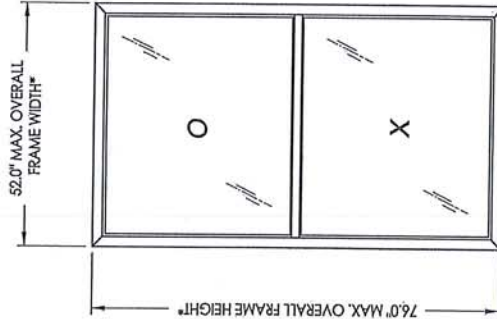


SERIES 2900/4900 - MODEL 2901/4901  
"WEATHER STOPPER"  
EXTRUDED VINYL SINGLE HUNG  
WINDOW  
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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 Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996.
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 this drawing require further engineering analysis by a licensed engineer or registered architect.

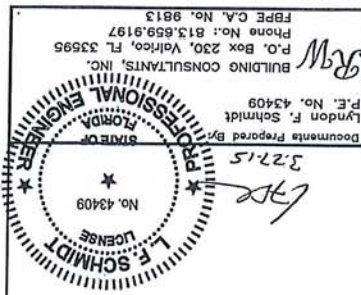
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Horizontal & vertical cross sections
4	Buck & frame anchoring
5	Components
6	Bill of materials, glazing details & components



OVERALL FRAME DIMENSION	MAX. D.I.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
52.0" x 73.0"	47.0" x 33.75"	G1, G2	+50.0	-50.0
36.0" x 76.0"	31.0" x 35.25"	G1, G2	+50.0	-50.0

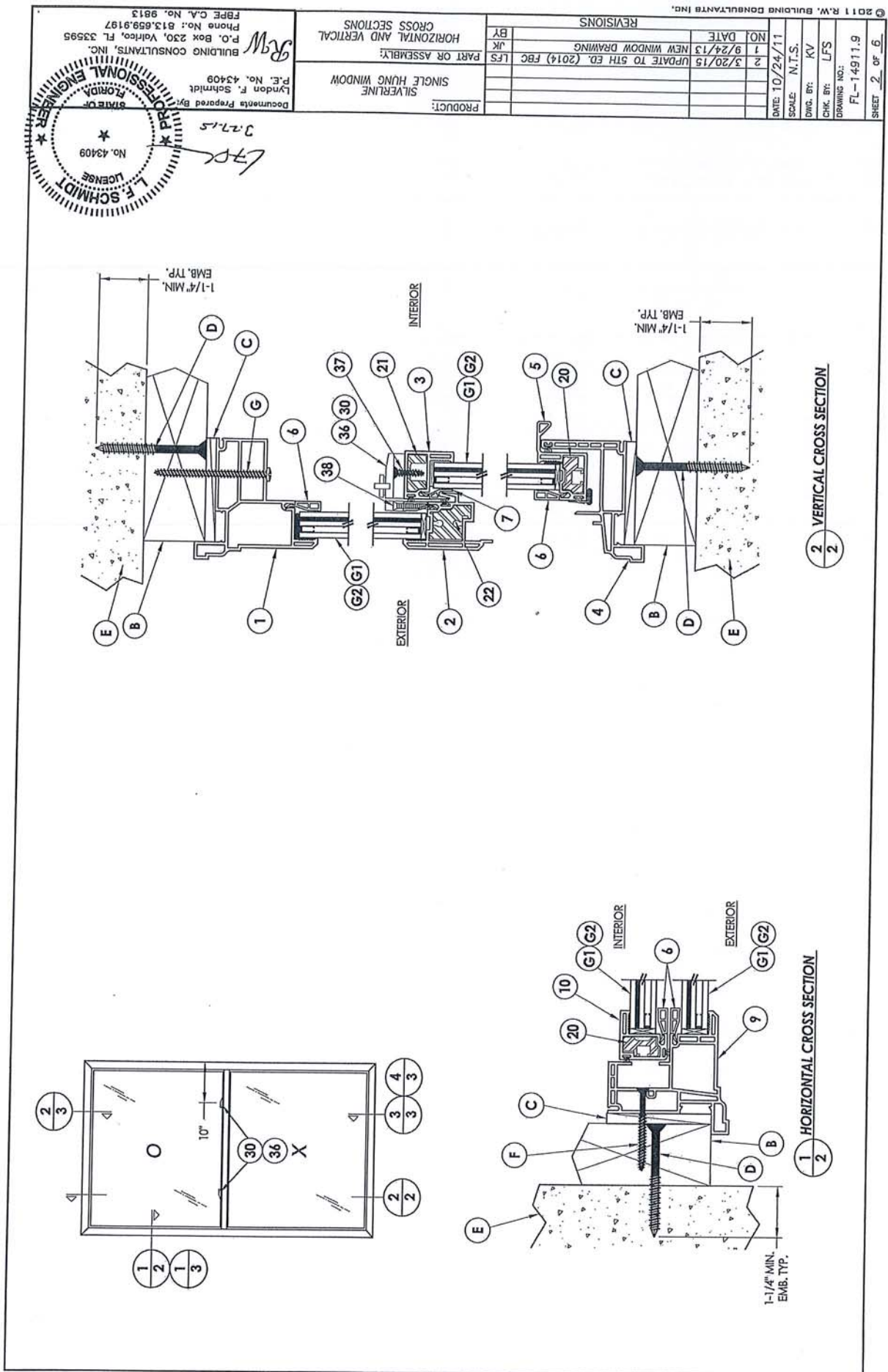
\*NOTE: Max. overall frame height and width occur on separate units

DATE: 10/24/11		SCALE: N.T.S.		DWG. BY: KV		CHK. BY: LFS		DRAWING NO.: FL-14911.9		SHEET 1 of 6	
NO. 1		DATE: 8/24/13		NEW WINDOW DRAWING		BY: JK		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		REVISIONS	
2		3/20/15		UPDATE TO 5TH ED. (2014) FBC		LFS		SILVERLINE SINGLE HUNG WINDOW		PRODUCT:	
3		3/27/15		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		Professional Engineer No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Vero Beach, FL 33596 Phone No.: 813.659.9197		FBIPE C.A. No. 9813	



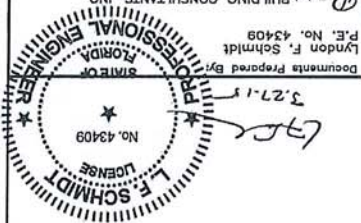
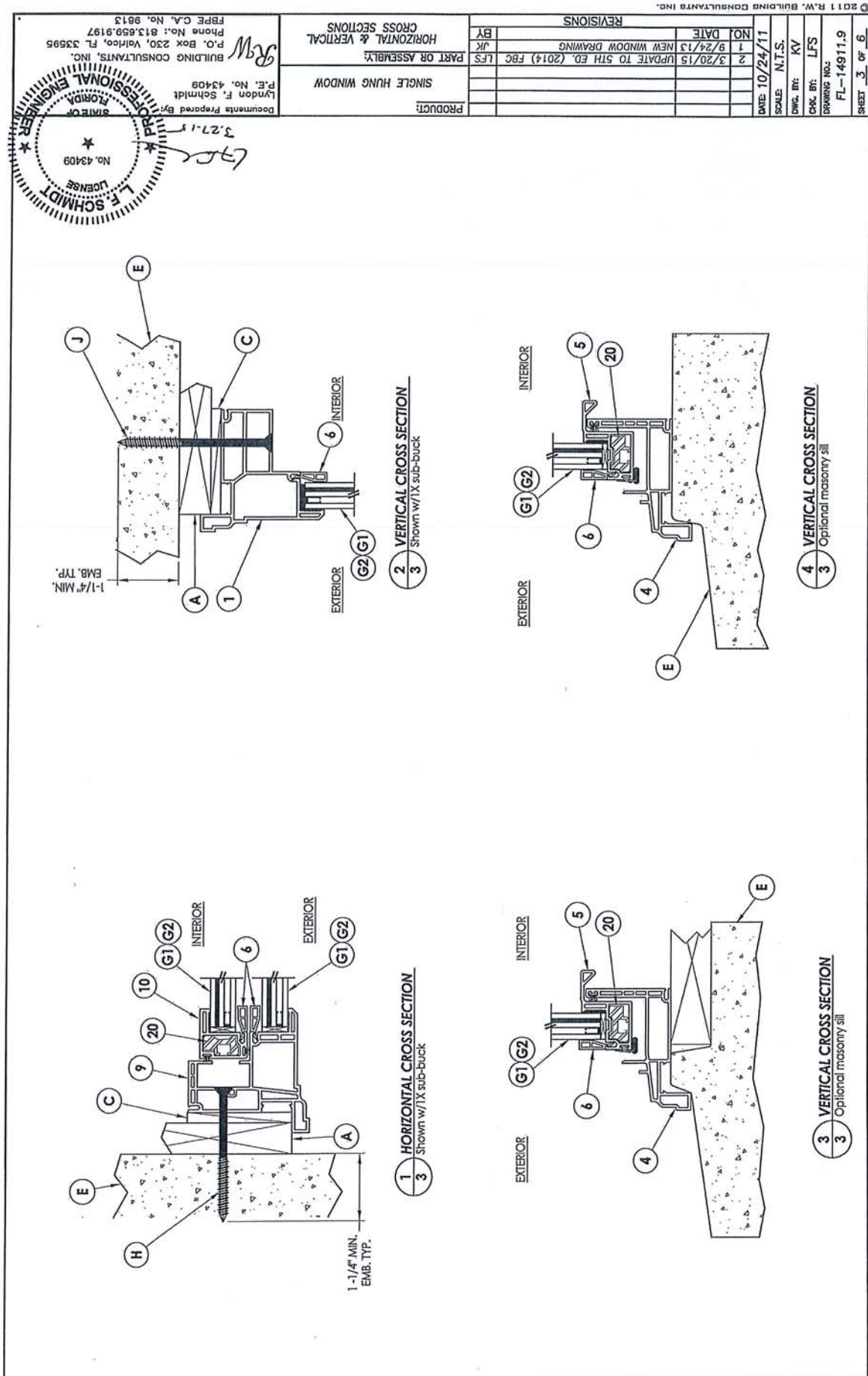


R:\Clients\Silverline Building Products - P\Florida Product Approvals\FL-14911C - Drawings\FL-14911C (2014)\FL-14911J-9.dwg, 9.2





R:\Clients\Silverline Building Products - Florida Product Approvals\FL-14911C - Drawings\FL-14911 (2014)\FL-14911.9.dwg, 9.3



R:\Clients\Silverline Building Products - Florida Product Approval\FL-14911C - Drawings\FL-14911C (2014)\FL-14911.1-9.dwg 3/4

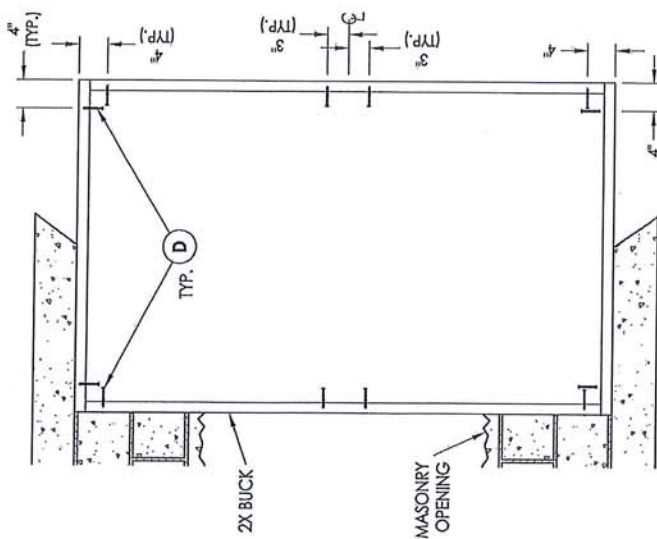
- CONCRETE ANCHOR NOTES:**
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance, but must be maintained at the min. edge distance.
  2. Concrete anchor locations shall be as "MAX. O.C. (TYP.)" must be adjusted to maintain the min. edge distance to masonry joints, additional concrete anchors may be required to ensure the "MAX. O.C. (TYP.)" dimensions are not exceeded.
  3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2"	4"
ELCO	1/4"	1-1/4"	1"	4"
ULTRACON	1/4"	1-1/4"	1"	4"

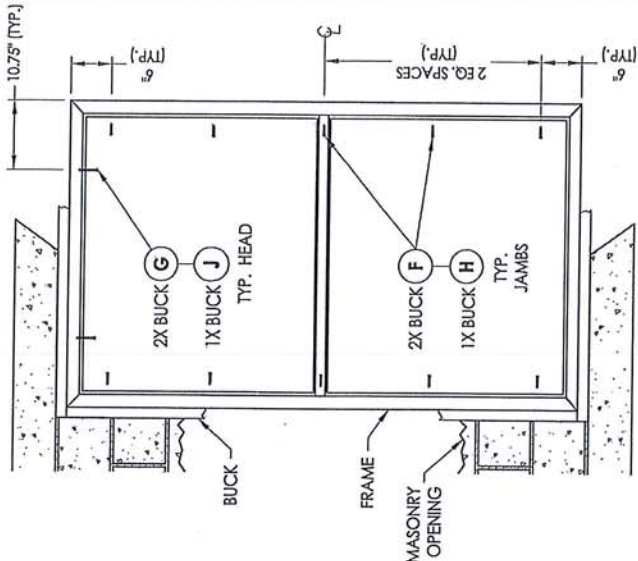
**WOOD SCREW INSTALLATION NOTES:**

1. Maintain a minimum 3/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

**BUCK ANCHORING  
MASONRY**



**FRAME ANCHORING  
2X BUCK**

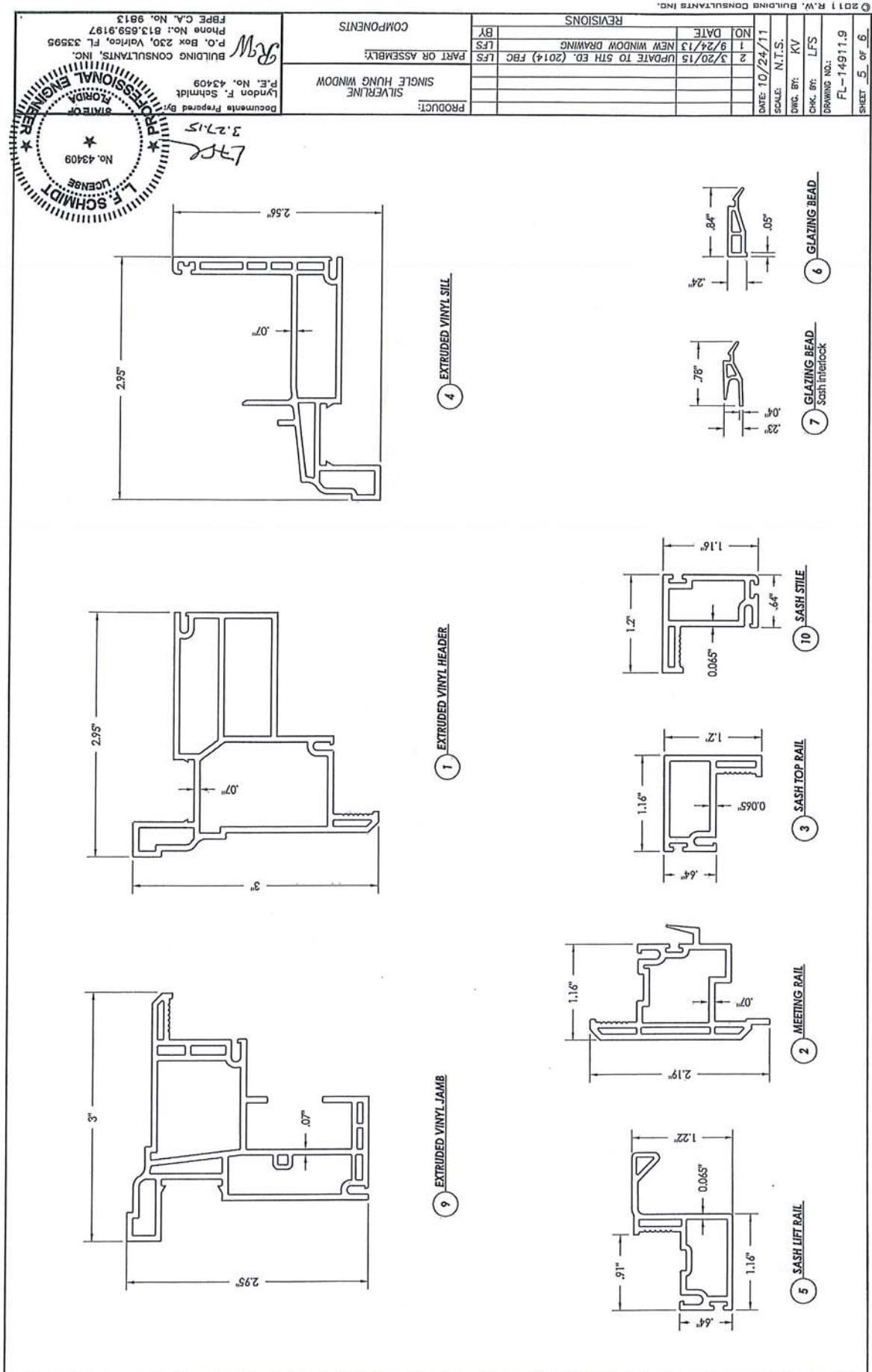


<p>DATE: 10/24/11</p> <p>NO. 1</p> <p>DATE: 9/24/13</p> <p>NEW WINDOW DRAWING</p> <p>DATE: 3/20/15</p> <p>UPDATE TO 5TH ED. (2014) FBC</p>		<p>REVISIONS</p> <p>BY: LFS</p> <p>DATE: 3/20/15</p> <p>UPDATE TO 5TH ED. (2014) FBC</p>	
<p>PRODUCT: SILVERLINE SINGLE HUNG WINDOW</p> <p>PART OR ASSEMBLY: BUCK &amp; FRAME ANCHORING</p>		<p>BY: LFS</p> <p>DATE: 3/20/15</p> <p>UPDATE TO 5TH ED. (2014) FBC</p>	

DRAWING NO.: FL-14911.9  
 SHEET 4 OF 6  
 DWS. BY: KV  
 CHK. BY: LFS  
 SCALE: N.T.S.  
 DATE: 10/24/11

BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.669.9197  
 FBPE C.A. No. 9813  
 P.E. No. 43409  
 Lyndon F. Schmidt  
 Documents Prepared By: 3-27-15  
 3-27-15  
 L.F. SCHMIDT  
 PROFESSIONAL ENGINEER  
 FLORIDA  
 No. 43409

R:\Clients\Silverline Building Products - Florida Product Approvals\FL-14911C - Drawings\FL-14911 (2014)\FL-14911.1-9.dwg, 95





DATE: 10/24/11 SCALE: N.T.S. DRAWN BY: KV CHK. BY: LFS FLW-14911.9 SHEET 6 OF 6		NO. 1 DATE 9/24/13 NEW WINDOW DRAWING 3/20/15 UPDATE TO 5TH ED. (2014) FBC LFS BY		REVISIONS		PRODUCT: SILVERLINE SINGLE HUNG WINDOW PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS		Documents Prepared By: Lyndon F. Schmidt P.E. No. 45409 BUILDING CONSULTANTS, INC. P.O. Box 230, Vero Beach, FL 33595 Phone No. 813.659.8197 FPE C.A. No. 9813	
--	--	--	--	-----------	--	--	--	--	--	---	--



**Product Approval**  
USER: Public User

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

OFFICE OF THE  
SECRETARY

FL #	FL14998-R2												
Application Type	Revision												
Code Version	2014												
Application Status	Approved												
Comments													
Archived	<input type="checkbox"/>												
Product Manufacturer	Silverline Building Products Corp.												
Address/Phone/Email	One Silverline Drive North Brunswick, NJ 08902 (800) 234-4228 Ext 4644 Jonberrian@slbp.com												
Authorized Signature	Vivian Wright rickw@rwblgdgconsultants.com												
Technical Representative													
Address/Phone/Email													
Quality Assurance Representative													
Address/Phone/Email													
Category	Exterior Doors												
Subcategory	Sliding Exterior Door Assemblies												
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input checked="" type="checkbox"/> 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	Window and Door Manufacturers Association-QA												
Quality Assurance Contract Expiration Date	08/03/2021												
Validated By	Ryan J. King, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received												
Certificate of Independence	<a href="#">FL14998_R2_COI_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>2005</td> </tr> <tr> <td>AAMA/WDMA/CSA101/I.S.2/A440</td> <td>2008</td> </tr> <tr> <td>ASTM E1886</td> <td>2002</td> </tr> <tr> <td>ASTM E1996</td> <td>2002</td> </tr> <tr> <td>TAS 201, 202, 203</td> <td>1994</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	AAMA/WDMA/CSA101/I.S.2/A440	2005	AAMA/WDMA/CSA101/I.S.2/A440	2008	ASTM E1886	2002	ASTM E1996	2002	TAS 201, 202, 203	1994
<u>Standard</u>	<u>Year</u>												
AAMA/WDMA/CSA101/I.S.2/A440	2005												
AAMA/WDMA/CSA101/I.S.2/A440	2008												
ASTM E1886	2002												
ASTM E1996	2002												
TAS 201, 202, 203	1994												
Equivalence of Product Standards Certified By													
Sections from the Code													

**JAN 26 2017**  
**APPROVED**  
Edgar V. Duenas, P.E.  
Bunker Engineering & Construction  
120 N. Federal Hwy, Suite #305  
Lake Worth FL 33460



Date Submitted

05/01/2015

Date Validated

05/01/2015

Date Pending FBC Approval

05/09/2015

Date Approved

06/23/2015

**Summary of Products**

FL #	Model, Number or Name	Description
14998.1	a. Series 5500/5700 Model 5502/5702	Extruded PVC Sliding Patio Door - (XO or OX configuration - up to a nominal 6'0 x 8'0)
<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 14998.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.1.pdf</a> Created by Independent Third Party: Yes
14998.2	b. Series 5500/5700 Model 5502/5702	Extruded PVC Sliding Patio Door with Nailing Fin - (XO or OX configuration - up to a nominal 6'0 x 6'8)
<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 14998.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.2.pdf</a> Created by Independent Third Party: Yes
14998.3	c. Series 5800 Model 5802	Extruded Vinyl Sliding Patio Door with Nailing Fin - (XO or OX 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 14998.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.3.pdf</a> Created by Independent Third Party: Yes
14998.4	d. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door with Nailing Fin - (XO or OX 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 14998.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.4.pdf</a> Created by Independent Third Party: Yes
14998.5	e. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door without Nailing Fin - (XO or OX 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 14998.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.5.pdf</a> Created by Independent Third Party: Yes
14998.6	f. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door with Nailing Fin - (XO or OX 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> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.6 for Design Pressure Ratings, any		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b>



additional use limitations, installation instructions and product particulars.		<a href="#">FL14998_R2_AE_Eval_14998.6.pdf</a> Created by Independent Third Party: Yes
14998.7	g. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door without Nailing Fin - (XO or OX 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> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.7 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst_14998.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval_14998.7.pdf</a> Created by Independent Third Party: Yes
14998.8	h. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door with Nailing Fin - (XO or OX 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 14998.8 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst_14998.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval_14998.8.pdf</a> Created by Independent Third Party: Yes
14998.9	i. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door without Nailing Fin - (XO or OX 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 14998.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst_14998.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval_14998.9.pdf</a> Created by Independent Third Party: Yes
14998.10	j. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door with Nailing Fin - (XO or OX 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> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst_14998.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval_14998.10.pdf</a> Created by Independent Third Party: Yes
14998.11	k. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door without Nailing Fin - (XO or OX 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> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst_14998.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval_14998.11.pdf</a> Created by Independent Third Party: Yes

[Back](#)
[Next](#)

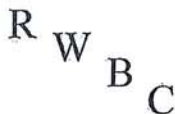
Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275 (1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please [click here](#).

Product Approval Accepts:





**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-14998.9

**Date:** April 6, 2015

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Sliding Exterior Door Assemblies	Silverline Building Products 1 Silverline Drive North Brunswick, NJ 08902 (732) 435-1000	"WEATHERSTOPPER" Series 5800 - Model 5802 Extruded Vinyl Sliding Patio Door "Impact"

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

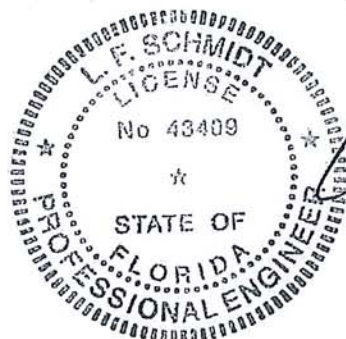
RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

**Limitations:**

1. This product has been evaluated and is in compliance with the 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 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 Section 1609.1.2 of the FBC 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 Section 1609.1.2.2 of the FBC.
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-14998.9 require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".
8. See drawing FL-14998.9 for size and design pressure limitations.

**Supporting Documents:**

- |   |  |  |  |
|---|--|--|--|
| 1. <b>Test Report No.</b><br>TEL 01410070   | <b>Test Standard</b><br>TAS 201, 202, 203-94   | <b>Testing Laboratory</b><br>Testing Evaluation Lab., Inc. | <b>Signed by</b><br>Lyndon F. Schmidt, P.E.              |
| 2. <b>Miami-Dade NOA</b><br>14-0423.16<br>11-0624.01  | <b>Materials</b><br>PVB Interlayer - Saflex (Eastman Chemical Co.)<br>PVB Interlayer - Dupont Butacite |  |  |
| 3. <b>Drawing No.</b><br>No. FL-14998.9   | <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 E 1300 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 Window and Door Manufacturers Association, certifying that Silverline Building Products 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  
5/1/2015



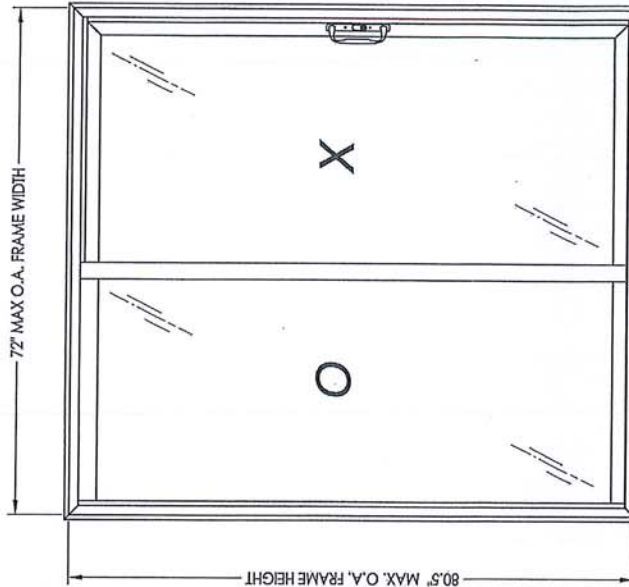


"WEATHERSTOPPER"  
SERIES 5800 - MODEL 5802  
EXTRUDED VINYL SLIDING PATIO DOOR  
"IMPACT"

GENERAL NOTES

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 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 Section 1609.1.2 of the FBC 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 Section 1609.1.2.2 of the FBC.
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. This product meets water infiltration requirements for "HVHZ".

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



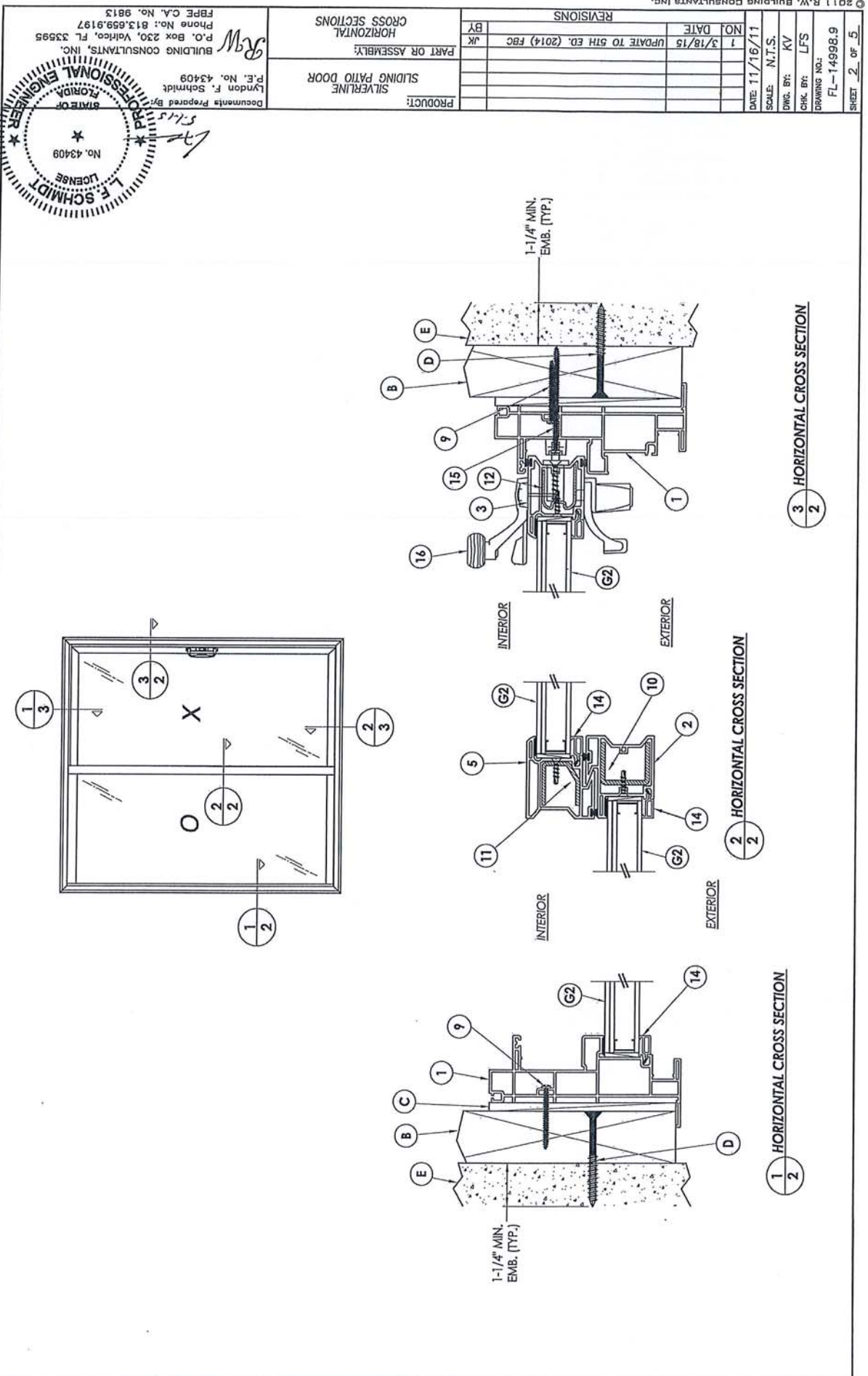
MAX. FIN. DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
72.0" X 80.5"	36.5" X 77.5"	31.5" X 72.75"	G2	+50.0	-50.0

DATE: 11/16/11		NO. 1	DATE 3/18/15	UPDATE TO 5TH ED. (2014) FBC		
SCALE: N.T.S.		BY JK	REVISIONS			
DWG. BY: KV		PART OR ASSEMBLY: SLIDING PATIO DOOR				
CHK. BY: LFS		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES				
DRAWING NO.: FL-14998.9		PRODUCT: SILVERLINE				
SHEET 1 OF 5		DOCUMENT PREPARED BY: Lyndon F. Schmidt, P.E., No. 43409				
		BUILDING CONSULTANTS, INC. P.O. Box 230, Vero Beach, FL 33595				
		FBE C.A. No. 9813				

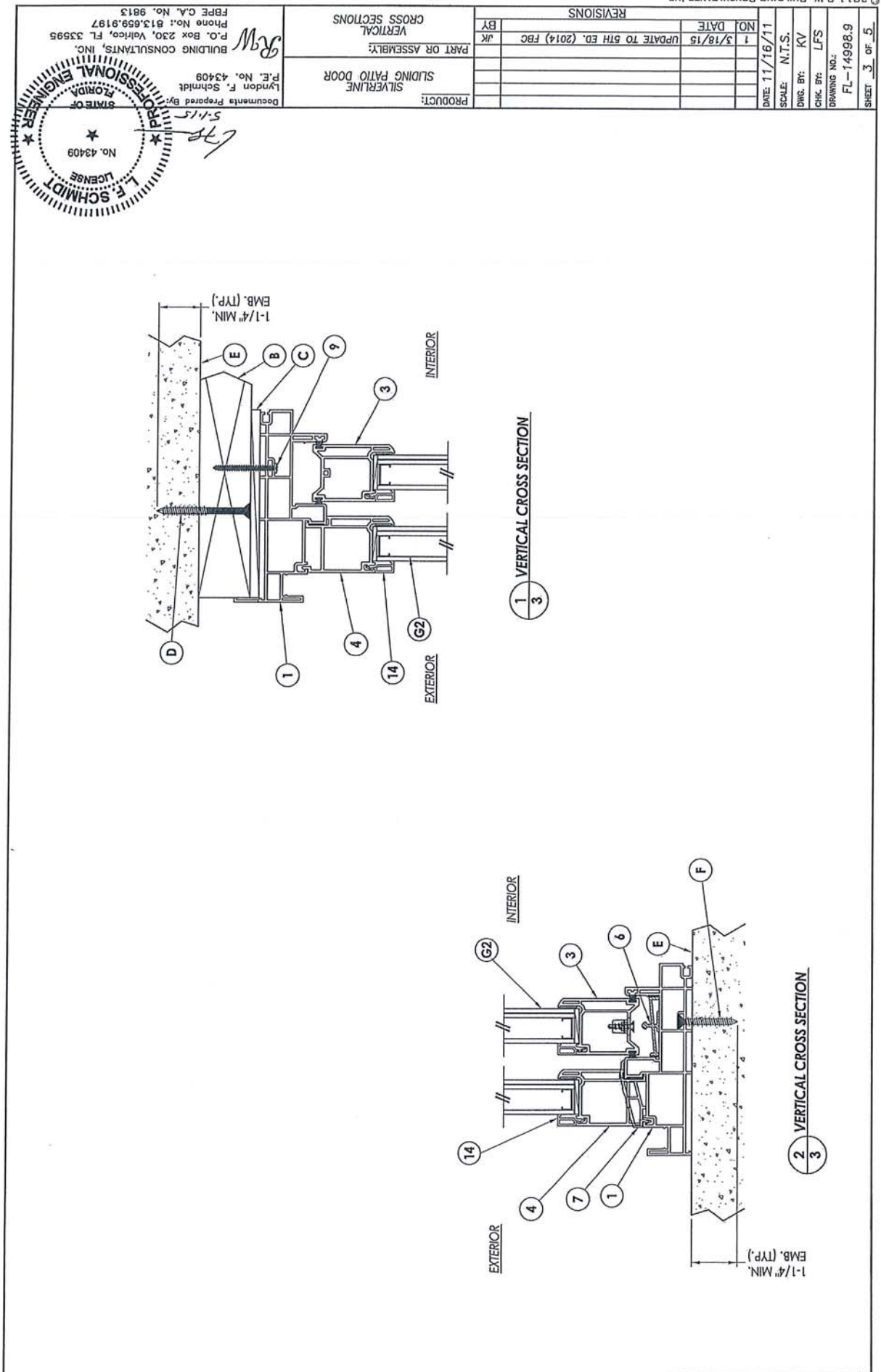
Professional Engineer  
L.F. SCHMIDT  
No. 43409  
FLORIDA  
STATE OF

5-11-15

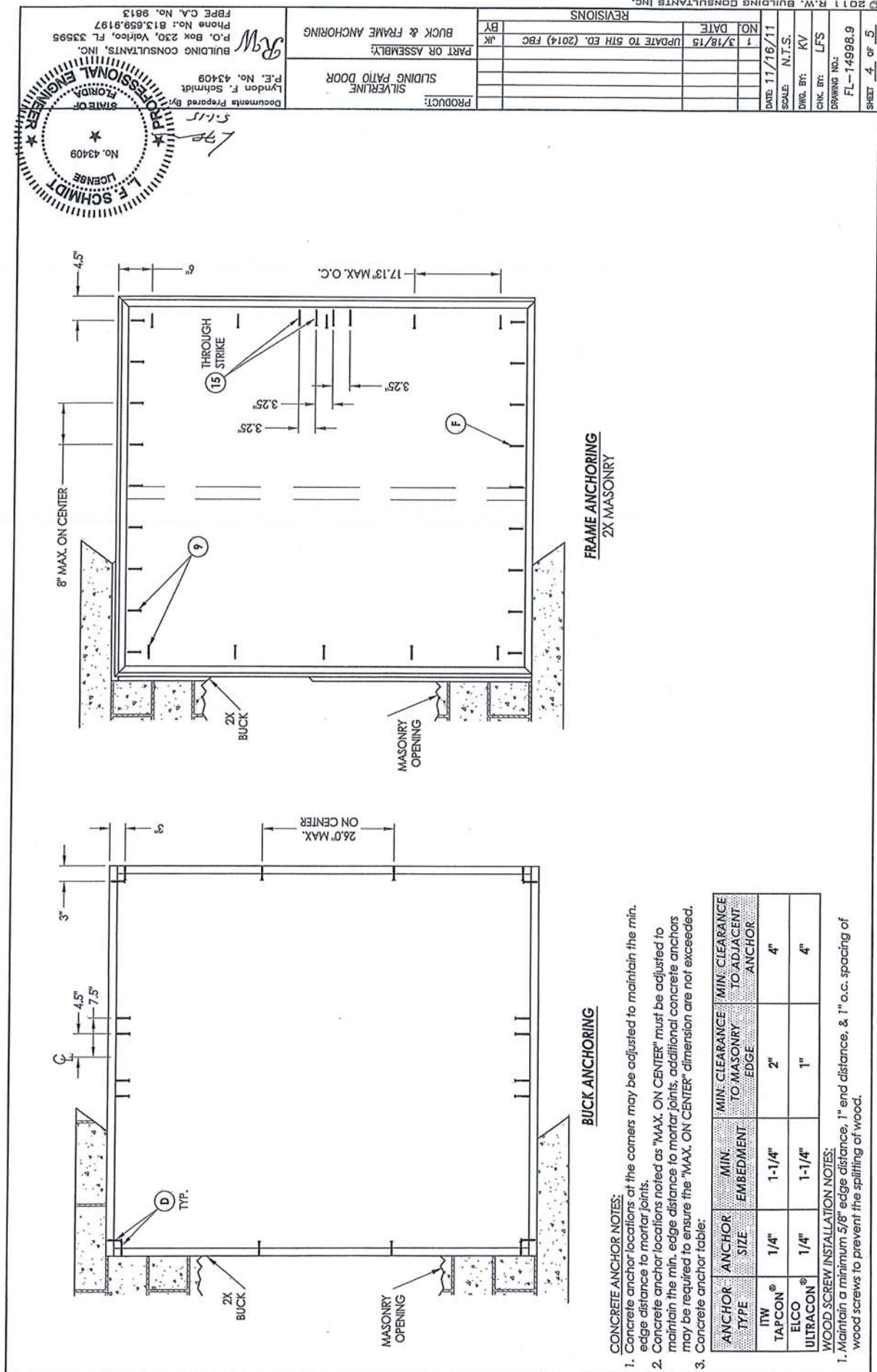




R:\Clients\Silverline Building Products - Florida Product Approvals\FL-14998 - Patio Doors\C - Drawings\FL 14998 (2014)\FL-14998-3-11.dwg, 113



R:\Clients\Silverline Building Products - Florida Product Approvals\FL-14998 - Patio Doors\C - Drawings\FL 14998 (2014)\FL-14998-3-11.dwg, 11.4

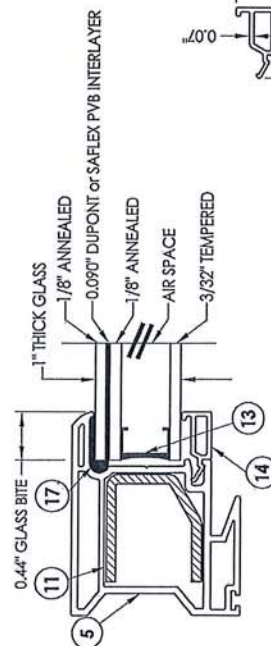




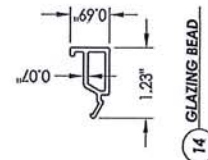
R:\Clients\Silverline Building Products - P\Florida Product Approvals\FL-14998 - Patio Doors\C - Drawings\FL-14998-3-11.dwg, 11.5

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
C	1/4" SHIM SPACE MAX.	
D	1/4" X 2-3/4" ELCO OR T1W PPH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 1-3/4" ELCO OR T1W PPH CONCRETE SCREW	STEEL
1	MAIN FRAME WITH RECEPTOR*	PVC
2	FIXED INTERLOCK *	PVC
3	SASH*	PVC
4	EQUAL GLASS ADAPTOR*	PVC
5	SASH LOCK MEETING STILE *	PVC
6	SILL TRACK (6063 - T6)	ALUMINUM
7	SILL COVER*	PVC
9	#8 X 1-3/4" PPH SCREW	STEEL
10	FIXED INTERLOCK REINFORCEMENT	STEEL
11	SASH INTERLOCK REINFORCEMENT	STEEL
12	SASH REINFORCEMENT	STEEL
13	GLAZING SPACER STEEL INTERCEPT	ALUMINUM
14	PVC GLAZING BEAD *	PVC
15	#8 X 3" PPH SMS	STEEL
16	SASH CONTROL DUAL POINT LOCK #2468-84	STEEL
17	GLAZING COMPOUND - TREMGLAZE S700 (TREMCO)	SILICONE

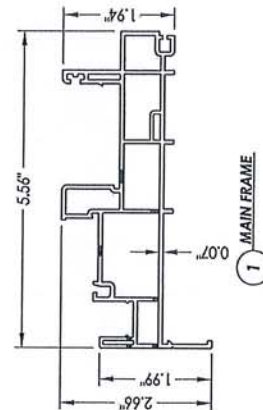
\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



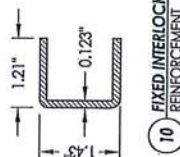
G2 GLAZING DETAIL



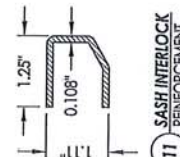
14 GLAZING BEAD



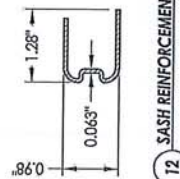
1 MAIN FRAME



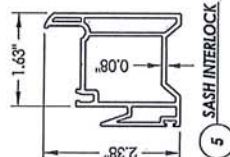
10 FIXED INTERLOCK REINFORCEMENT



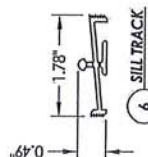
11 SASH INTERLOCK REINFORCEMENT



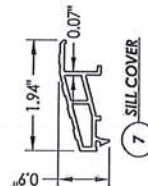
12 SASH REINFORCEMENT



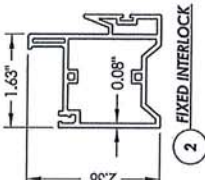
5 FIXED INTERLOCK



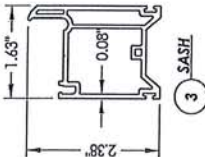
6 SILL TRACK



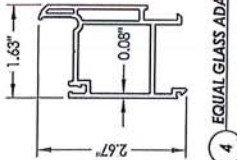
7 SILL COVER



2 FIXED INTERLOCK



3 SASH



4 EQUAL GLASS ADAPTOR

**PROFESSIONAL ENGINEER**  
STATE OF FLORIDA  
No. 43409  
L. F. SCHMIDT  
LICENSE

Documents Prepared By: *LFS*  
Lyndon F. Schmidt  
P.E. No. 43409  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Volusia, FL 32955  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

PRODUCT: SILVERLINE SLIDING PATIO DOOR		PART OR ASSEMBLY:		BILL OF MATERIALS:		GLAZING DETAIL AND COMPONENTS	
NO.	DATE	BY	CHK	BY	DATE	BY	CHK
1	3/18/15				UPDATE TO 5TH ED. (2014) FBC		
REVISIONS							
DATE: 11/16/11							
SCALE: N.T.S.							
DWS. BY: KV							
CHK. BY: LFS							
DRAWING NO.: FL-14998.9							
SHEET 5 OF 5							

FLORIDA DEPARTMENT OF  
**Business & Professional Regulation**



[BCIS Home](#) | [Log In](#) | [User Registration](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



**Product Approval**  
USER: Public User

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

OFFICE OF THE  
SECRETARY

FL #	FL14998-R2
Application Type	Revision
Code Version	2014
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Silverline Building Products Corp.
Address/Phone/Email	One Silverline Drive North Brunswick, NJ 08902 (800) 234-4228 Ext 4644 Jonberrian@slbp.com

Authorized Signature	Vivian Wright rickw@rwblbgconsultants.com
----------------------	--

Technical Representative  
Address/Phone/Email

Quality Assurance Representative  
Address/Phone/Email

Category	Exterior Doors
Subcategory	Sliding Exterior Door Assemblies

Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer
	<input checked="" type="checkbox"/> 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	Window and Door Manufacturers Association-QA
Quality Assurance Contract Expiration Date	08/03/2021
Validated By	Ryan J. King, P.E.
	<input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received

Certificate of Independence	<a href="#">FL14998_R2_COI_CERTIFICATE OF INDEPENDENCE.pdf</a>
-----------------------------	--

Referenced Standard and Year (of Standard)	Standard	Year
	AAMA/WDMA/CSA101/I.S.2/A440	2005
	AAMA/WDMA/CSA101/I.S.2/A440	2008
	ASTM E1886	2002
	ASTM E1996	2002
	TAS 201, 202, 203	1994

Equivalence of Product Standards  
Certified By

Sections from the Code

**APPROVED**  
Edgar V. Duenas, P.E.  
Banker Engineering & Construction  
120 N. Federal Hwy. Suite #305  
Lake Worth, FL 33460

JAN 26 2017



## Product Approval Method

## Method 1 Option D

Date Submitted	05/01/2015
Date Validated	05/01/2015
Date Pending FBC Approval	05/09/2015
Date Approved	06/23/2015

## Summary of Products

FL #	Model, Number or Name	Description
14998.1	a. Series 5500/5700 Model 5502/5702	Extruded PVC Sliding Patio Door - (XO or OX configuration - up to a nominal 6'0 x 8'0)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14998.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.1.pdf</a> Created by Independent Third Party: Yes
14998.2	b. Series 5500/5700 Model 5502/5702	Extruded PVC Sliding Patio Door with Nailing Fin - (XO or OX configuration - up to a nominal 6'0 x 6'8)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14998.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.2.pdf</a> Created by Independent Third Party: Yes
14998.3	c. Series 5800 Model 5802	Extruded Vinyl Sliding Patio Door with Nailing Fin - (XO or OX Configuration)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14998.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.3.pdf</a> Created by Independent Third Party: Yes
14998.4	d. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door with Nailing Fin - (XO or OX Configuration)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14998.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.4.pdf</a> Created by Independent Third Party: Yes
14998.5	e. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door without Nailing Fin - (XO or OX Configuration)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See INST 14998.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.5.pdf</a> Created by Independent Third Party: Yes
14998.6	f. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door with Nailing Fin - (XO or OX Configuration)
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: See INST 14998.6 for Design Pressure Ratings, any		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b>



additional use limitations, installation instructions and product particulars.		<a href="#">FL14998_R2_AE_Eval 14998.6.pdf</a> Created by Independent Third Party: Yes
14998.7	g. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door without Nailing Fin - (XO or OX 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> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.7 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.7.pdf</a> Created by Independent Third Party: Yes
14998.8	h. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door with Nailing Fin - (XO or OX 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 14998.8 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.8.pdf</a> Created by Independent Third Party: Yes
14998.9	i. "WeatherStopper™" Series 5800 Model 5802	Extruded Vinyl "Impact" Sliding Patio Door without Nailing Fin - (XO or OX 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 14998.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.9.pdf</a> Created by Independent Third Party: Yes
14998.10	j. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door with Nailing Fin - (XO or OX 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> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.10.pdf</a> Created by Independent Third Party: Yes
14998.11	k. Series 5800 Model 5802 HD	Extruded Vinyl "HD Reinforced" Sliding Patio Door without Nailing Fin - (XO or OX 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> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 14998.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL14998_R2_II_Inst 14998.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14998_R2_AE_Eval 14998.11.pdf</a> Created by Independent Third Party: Yes

[Back](#) [Next](#)

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

The State of Florida is an AA/EEO employer. Copyright 2007-2013 State of Florida. :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. \*Pursuant to Section 455.275 (1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





**Product Evaluation Report****Report No.:** FL-14998.8**Date:** April, 2015

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Sliding Exterior Door Assemblies	Silverline Building Products 1 Silverline Drive North Brunswick, NJ 08902 (732) 435-1000	"WEATHERSTOPPER" Series 5800 - Model 5802 Extruded Vinyl Sliding Patio Door w/ Nailing Fin - "Impact"

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

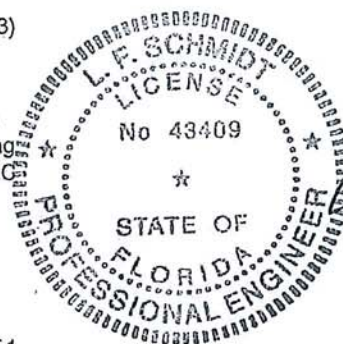
RW Building Consultants and Lyndon F. Schmidt, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein

**Limitations:**

1. This product has been evaluated and is in compliance with the 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 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 Section 1609.1.2 of the FBC 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 Section 1609.1.2.2 of the FBC.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction. Increase anchor length to account for sheathing or wall covering.
6. Site conditions that deviate from the details of drawing FL-14998.8 require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".
8. See drawing FL-14998.8 for size and design pressure limitations.

**Supporting Documents:**

- |   |  |  |  |
|---|--|--|--|
| 1. <u>Test Report No.</u><br>TEL 01410070   | <u>Test Standard</u><br>TAS 201, 202, 203-94   | <u>Testing Laboratory</u><br>Testing Evaluation Lab., Inc. | <u>Signed by</u><br>Lyndon F. Schmidt, P.E.              |
| 2. <u>Miami-Dade NOA</u><br>14-0423.16<br>11-0624.01  | <u>Materials</u><br>PVB Interlayer - Saflex (Eastman Chemical Co.)<br>PVB Interlayer - Dupont Butacite |  |  |
| 3. <u>Drawing No.</u><br>No. FL-14998.8   | <u>Prepared by</u><br>RW Building Consultants, Inc. (CA #9813)   |  | <u>Signed &amp; Sealed by</u><br>Lyndon F. Schmidt, P.E. |
| 4. <u>Calculations</u><br>Anchoring<br>ASTM E 1300 Glass Load   | <u>Prepared by</u><br>RW Building Consultants, Inc. (CA #9813)<br>Lyndon F. Schmidt, P.E.              |  | <u>Signed &amp; Sealed by</u><br>Lyndon F. Schmidt, P.E. |
| 5. <u>Quality Assurance</u><br>Certificate of Participation issued by Window and Door Manufacturers Association, certifying that Silverline Building Products 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  
 5/1/2015

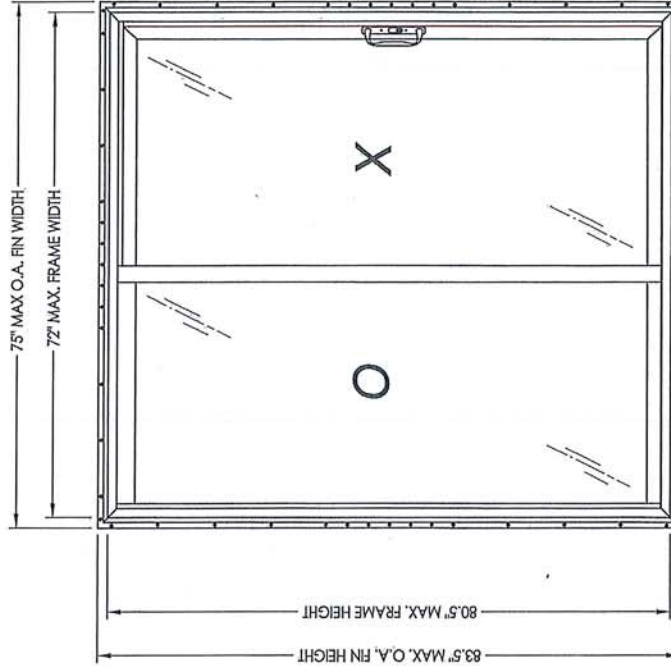


"WEATHERSTOPPER"  
SERIES 5800 - MODEL 5802  
EXTRUDED VINYL SLIDING PATIO DOOR  
W/ NAILING FIN  
"IMPACT"

GENERAL NOTES

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 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 Section 1609.1.2 of the FBC 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 Section 1609.1.2.2 of the FBC.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction. Increase anchor length to account for sheathing or wall covering.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".

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



MAX. FIN DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
75.0" X 83.5"	36.5" X 77.5"	31.5" X 72.75"	G2	+50.0	-50.0

REVISIONS

NO.	DATE	DESCRIPTION
1	3/18/15	UPDATE TO 5TH ED. (2014) FBC

DATE: 11/16/11

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

DRAWING NO.: FL-14998.8

SHEET 1 OF 5

PRODUCT: SILVERLINE SLIDING PATIO DOOR

PART OR ASSEMBLY: JK

BY: JK

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

Documents Prepared By: Lyndon F. Schmidt  
P.E. No. 43409

Documents Checked By: [Signature]  
P.E. No. 43409

Documents Approved By: [Signature]  
P.E. No. 43409

BUILDING CONSULTANTS, INC.  
P.O. Box 250, Volusia, FL 32955  
Phone No.: 813.689.9197  
FBPE C.A. No. 9813

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 43409

L. F. SCHMIDT

LICENSE

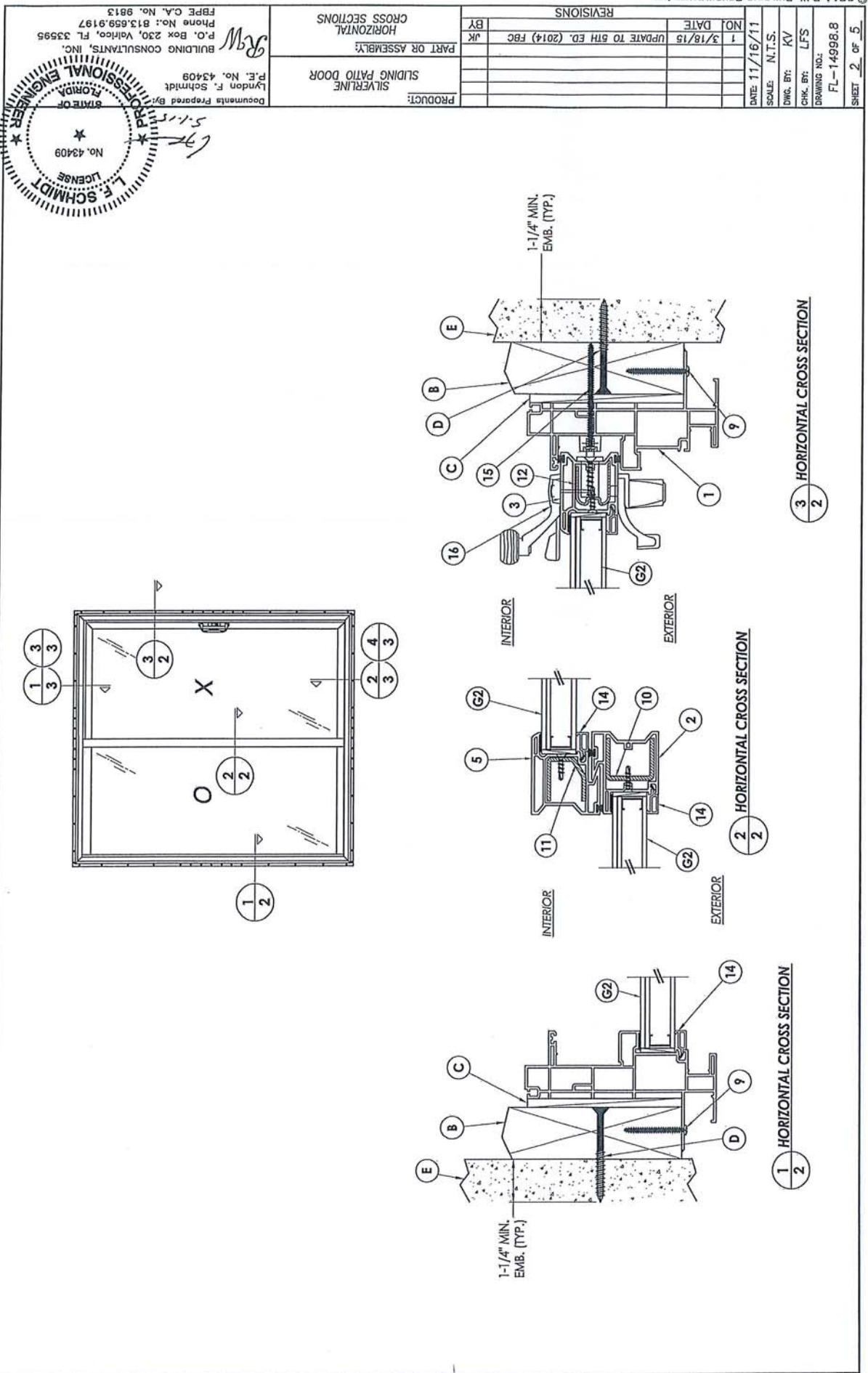
11/15

R:\Clients\SilverLine Building Products - P\Florida Product Approvals\FL-14998 - Patio Doors\C - Drawings\FL 14998 (2014)\FL-14998-3-1.dwg, FL-14998.8

CAM #17-0635  
Exhibit 1  
Page 94 of 149



R:\Clients\Silverline Building Products - P\Florida Product Approvals\FL-14998 - Patio Doors\1 - Drawing\FL 14998 (2014)\FL-14998-3-11.dwg, 10.2





R:\Clients\Silverline Building Products - Florida Product Approvals\FL-14998 (2014)\FL-14998-3-11.dwg, 10.4

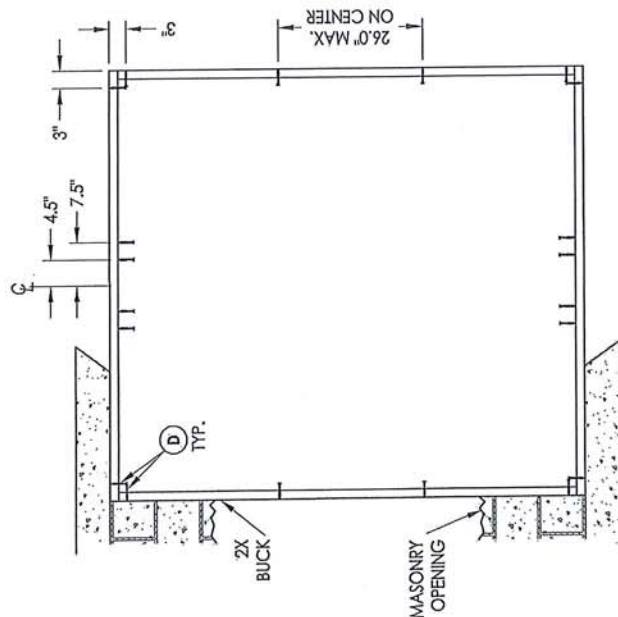
# CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints; additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

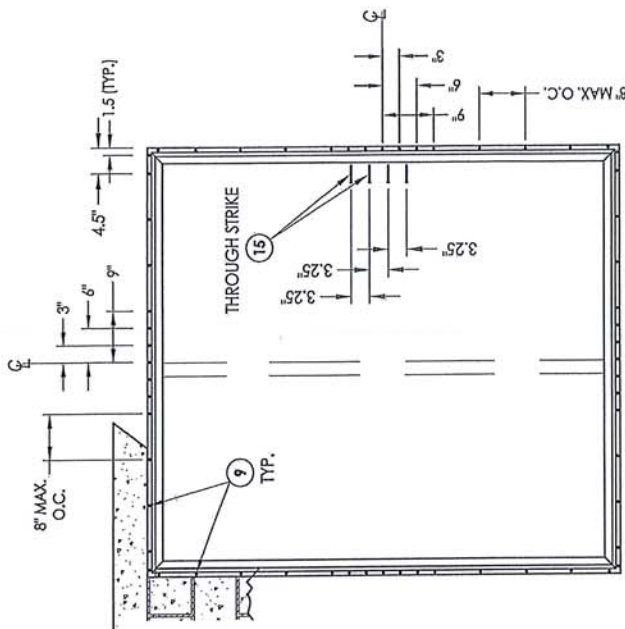
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2"	4"
TAPCON®	1/4"	1-1/4"	1"	4"
ELCO	1/4"	1-1/4"	1"	4"
ULTRACON®	1/4"	1-1/4"	1"	4"

# WOOD SCREW INSTALLATION NOTES:

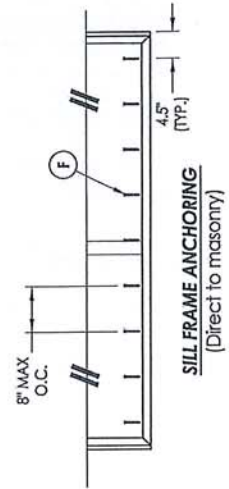
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



## BUCK ANCHORING



## FRAME ANCHORING 2X MASONRY (Sash removed for clarity)



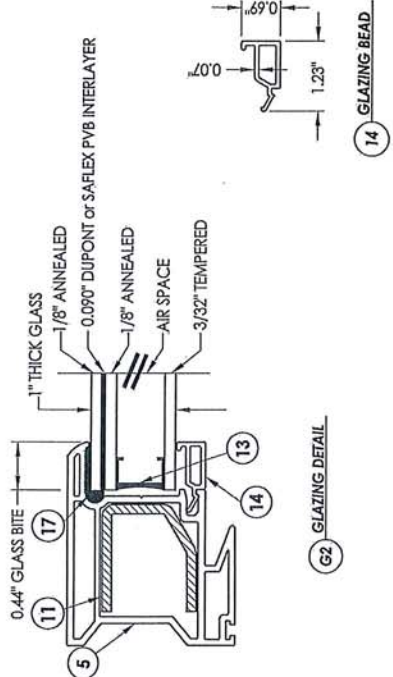
## SILL FRAME ANCHORING (Direct to masonry)

2011 R.W. BUILDING CONSULTANTS INC. BUILDING CONSULTANTS, INC. P.O. Box 230, Vero Beach, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813		BUILDING CONSULTANTS, INC. P.O. Box 230, Vero Beach, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
DATE: 11/16/11 SCALE: N.T.S. DWG. BY: KV CHK. BY: LFS DRAWING NO.: FL-14998.8 SHEET 4 OF 5		REVISIONS NO. 1 DATE: 3/18/15 UPDATE TO 5TH ED. (2014) FBC BY: JK	
PRODUCT: SILVERLINE SLIDING PATIO DOOR PART OR ASSEMBLY: BUCK & FRAME ANCHORING		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 PROFESSIONAL ENGINEER STATE OF FLORIDA LICENSE No. 43409	



BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
C	1/4" SHIM SPACE MAX.	
D	1/4" X 2-3/4" ELCO OR ITW PPH CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 1-3/4" ELCO OR ITW PPH CONCRETE SCREW	STEEL
1	MAIN FRAME WITH RECEPTOR*	PVC
2	FIXED INTERLOCK*	PVC
3	SASH*	PVC
4	EQUAL GLASS ADAPTOR*	PVC
5	SASH LOCK MEETING STILE*	PVC
6	SILL TRACK (6063 - T6)	ALUMINUM
7	SILL COVER*	PVC
9	#8 X 1-3/4" PPH SMS	STEEL
10	FIXED INTERLOCK REINFORCEMENT	STEEL
11	SASH INTERLOCK REINFORCEMENT	STEEL
12	SASH REINFORCEMENT	STEEL
13	GLAZING SPACER STEEL INTERCEPT	ALUMINUM
14	PVC GLAZING BEAD*	PVC
15	#8 X 3" PPH SMS	STEEL
16	SASH CONTROL DUAL POINT LOCK #2468-84	STEEL
17	GLAZING COMPOUND - TREMGLAZE S700	SILICONE

\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



**REVISIONS**

NO.	DATE	DESCRIPTION
1	3/18/15	UPDATE TO 5TH ED. (2014) FBC

BY: \_\_\_\_\_

PRODUCT: SLIDING PATIO DOOR

PART OR ASSEMBLY: \_\_\_\_\_

BILL OF MATERIALS: \_\_\_\_\_

GLAZING DETAIL AND COMPONENTS: \_\_\_\_\_

DATE: 11/16/11

SCALE: N.T.S.

DWG. BY: KV

CHK. BY: LFS

DRAWING NO.: FL-14998.8

SHEET 5 OF 5

BUILDING CONSULTANTS, INC.

Phone No.: 813.659.9197

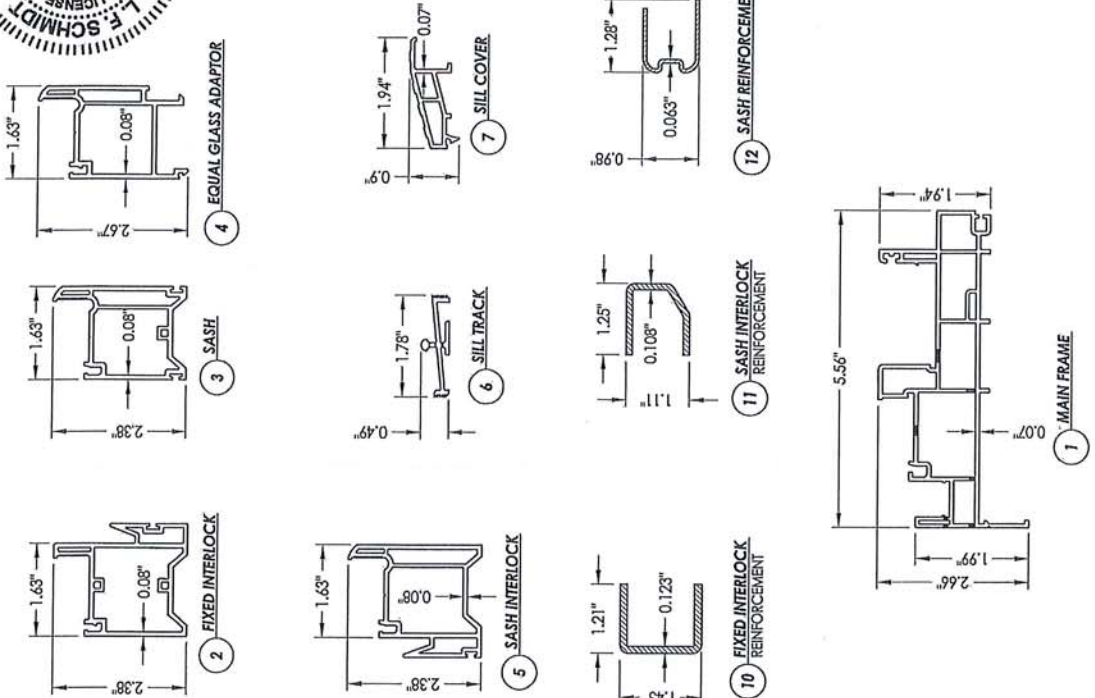
P.O. Box 230, Vero Beach, FL 33595

FBPE C.A. No. 9813

Documents Prepared By: \_\_\_\_\_

P.E. No. 43409

Lyndon F. Schmidt



**LOTS 13, 14 AND THE EAST FIVE FEET OF LOT 15, BLOCK 114, WAVERLY PLACE,  
ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 2, PAGE 19 OF THE  
PUBLIC RECORDS OF DADE COUNTY, FLORIDA, SAID LAND SITUTATE, LYING AND  
BEING IN BROWARD COUNTY, FLORIDA, AND THE SOUTH 1/2 OF THE VACANT ALLEY  
LYING SOUTH OF SAID LOTS OF BLOCK 114**

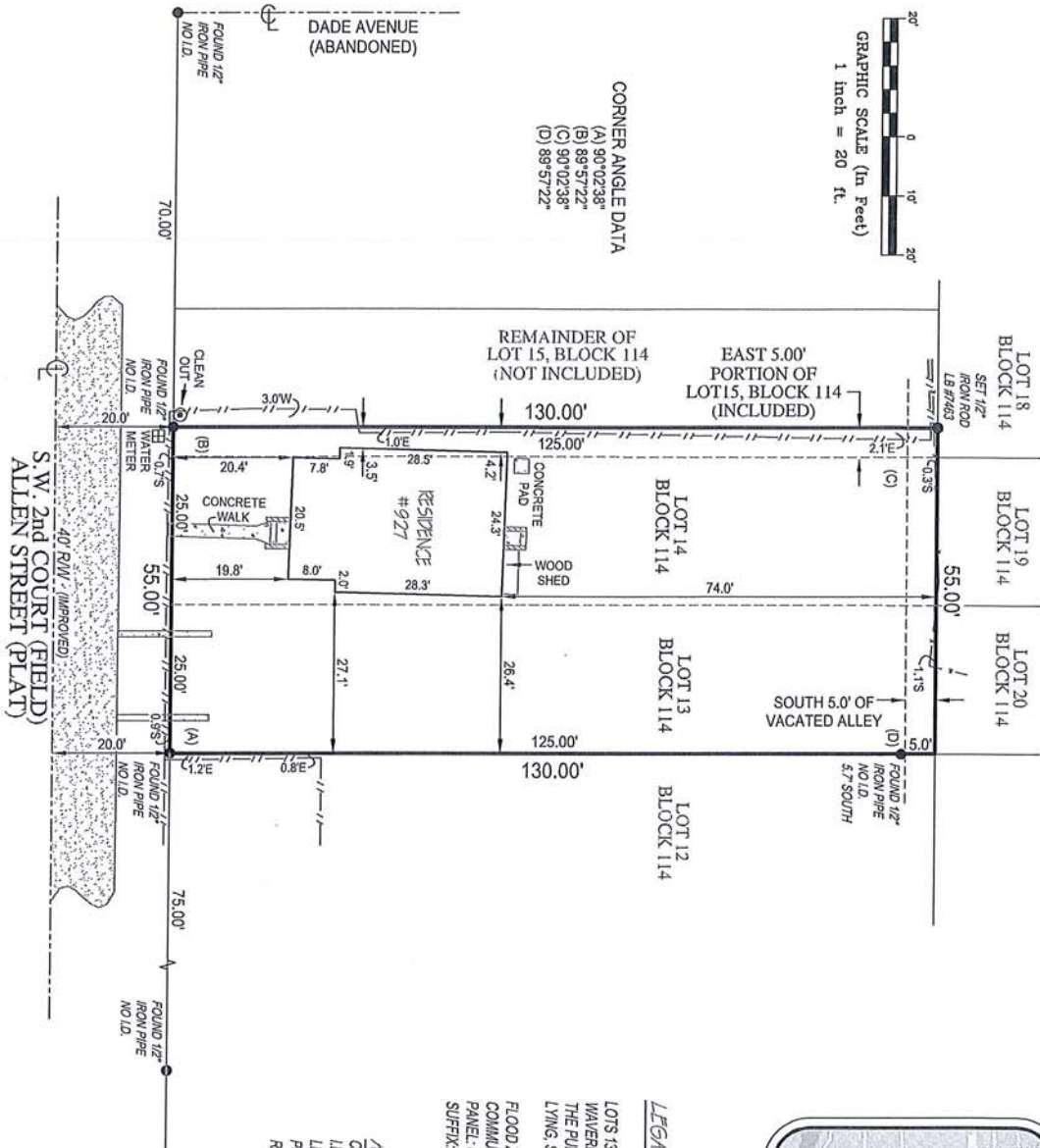
**Property Address: 927 SW 2 COURT FT LAUDERDALE, FL 33306**

**Parcel ID No. 5042 09 09 1540**



CORNER ANGLE DATA  
 (A) 90°02'38"  
 (B) 89°57'22"  
 (C) 90°02'38"  
 (D) 89°57'22"

- NOTES:
- LEGAL DESCRIPTION PROVIDED BY CLIENT
  - NO SEARCH OF THE PUBLIC RECORD FOR THE PURPOSE OF ABSTRACTING TITLE WAS PERFORMED BY THIS OFFICE
  - NO SURFACE IMPROVEMENTS WERE LOCATED AS PART OF THIS SURVEY
  - ALL ANGLES AND DISTANCES SHOWN HEREON ARE BOTH RECORDED AND MEASURED UNLESS OTHERWISE NOTED



**LEGAL DESCRIPTION:**

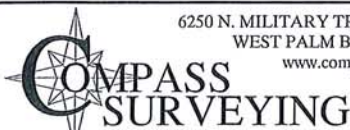
LOTS 13, 14 AND THE EAST FIVE FEET OF LOT 15, BLOCK 114, WAVERLY PLACE AS RECORDED IN PLAT BOOK 2, PAGE 19 OF THE PUBLIC RECORDS OF DADE COUNTY, FLORIDA, SHD LAND LYING, SITUATE AND BEING IN BROWARD COUNTY, FLORIDA.

FLOOD ZONE: X  
 COMMUNITY NUMBER: 125105  
 PANEL: 0057  
 SUFFIX: H

**ABBREVIATION DESCRIPTION:**

CL CENTERLINE  
 LD IDENTIFICATION  
 LB LICENSED BUSINESS  
 PSM PROFESSIONAL SURVEYOR MAPPER  
 RW RIGHT OF WAY

Clyde O. McNeal PSM #2883  
 THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER



6250 N. MILITARY TRAIL, SUITE 102  
 WEST PALM BEACH, FL 33407  
 www.compasssurveying.net

LB. 7463 PHONE: 561.640.4800 FAX: 561.640.0576

Project: C-13981  
 Date: 05-25-2016  
 Scale: 1" = 20'  
 1 of 1

BOUNDARY SURVEY OF  
 927 S.W. 2nd COURT  
 FT. LAUDERDALE, FL 33312  
 PREPARED FOR  
 VLADLENA FUNK







**Clyde O. McNeal PSM #2883**  
THIS SURVEY IS NOT VALID WITHOUT  
THE SIGNATURE AND THE ORIGINAL RAISED SEAL  
OF A FLORIDA LICENSED SURVEYOR AND MAPPER

BOUNDARY SURVEY OF  
927 S.W. 2nd COURT  
FT. LAUDERDALE, FL 33312  
PREPARED FOR  
VLADLENA FUNK



## DEMOLITION

### PHOTOS OF BUILDING TO BE DEMOLISHED



Figure 1 Front View of Existing House to be Demolished



Figure 2 Back View of Existing House to be Demolished



Figure 3 Left Side View of Existing House to be Demolished



Figure 4 Right Side View of Existing House to be Demolished





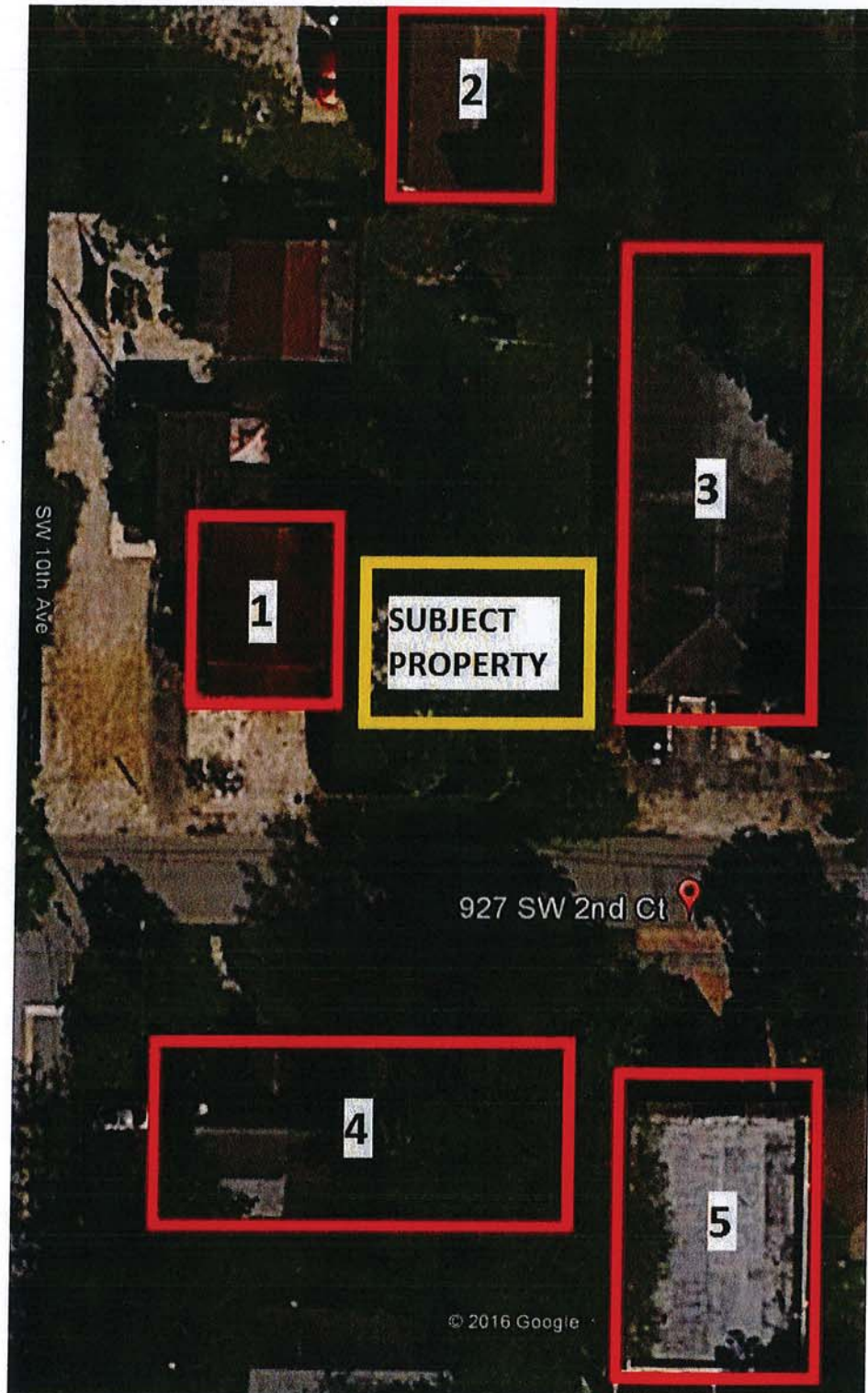
300  
150  
0  
300 Feet

MARTY KIAR  
BROWARD COUNTY PROPERTY APPRAISER



TWO STORY DUPLEX  
DATE OF PRINT: 01/11/2017

# SITE AERIAL





## PHOTOS OF BUILDINGS ADJACENT TO THE SUBJECT SITE

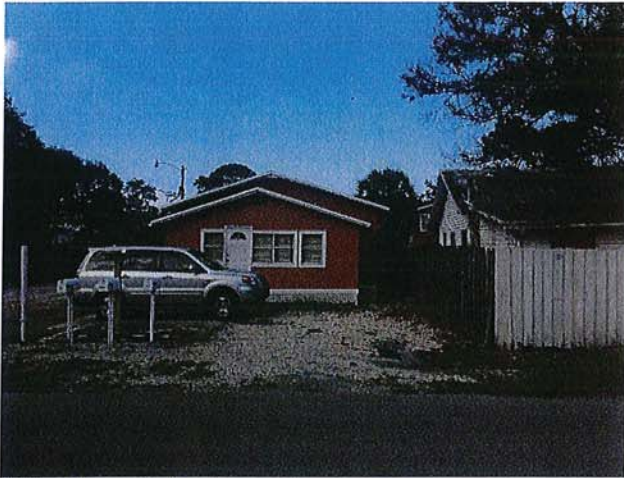


Figure 1 Property 1



Figure 2 Property 2

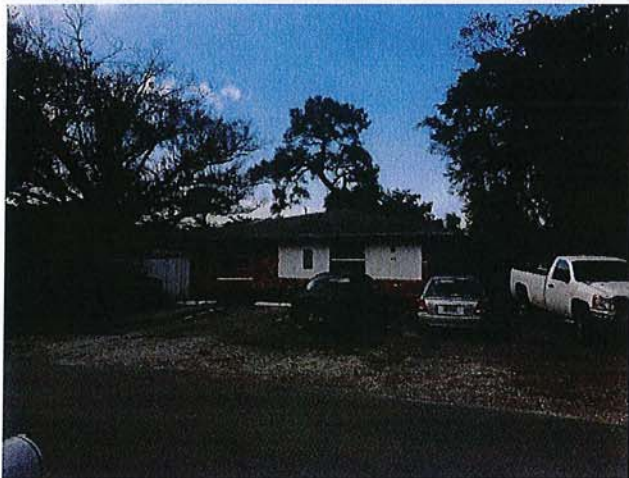


Figure 3 Property 3



Figure 4 Property 4



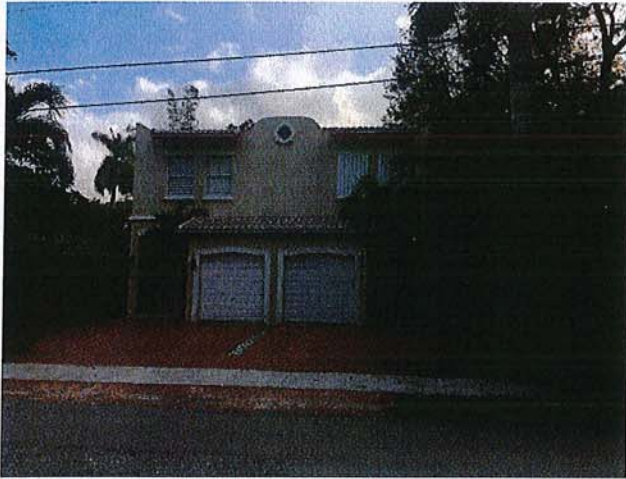
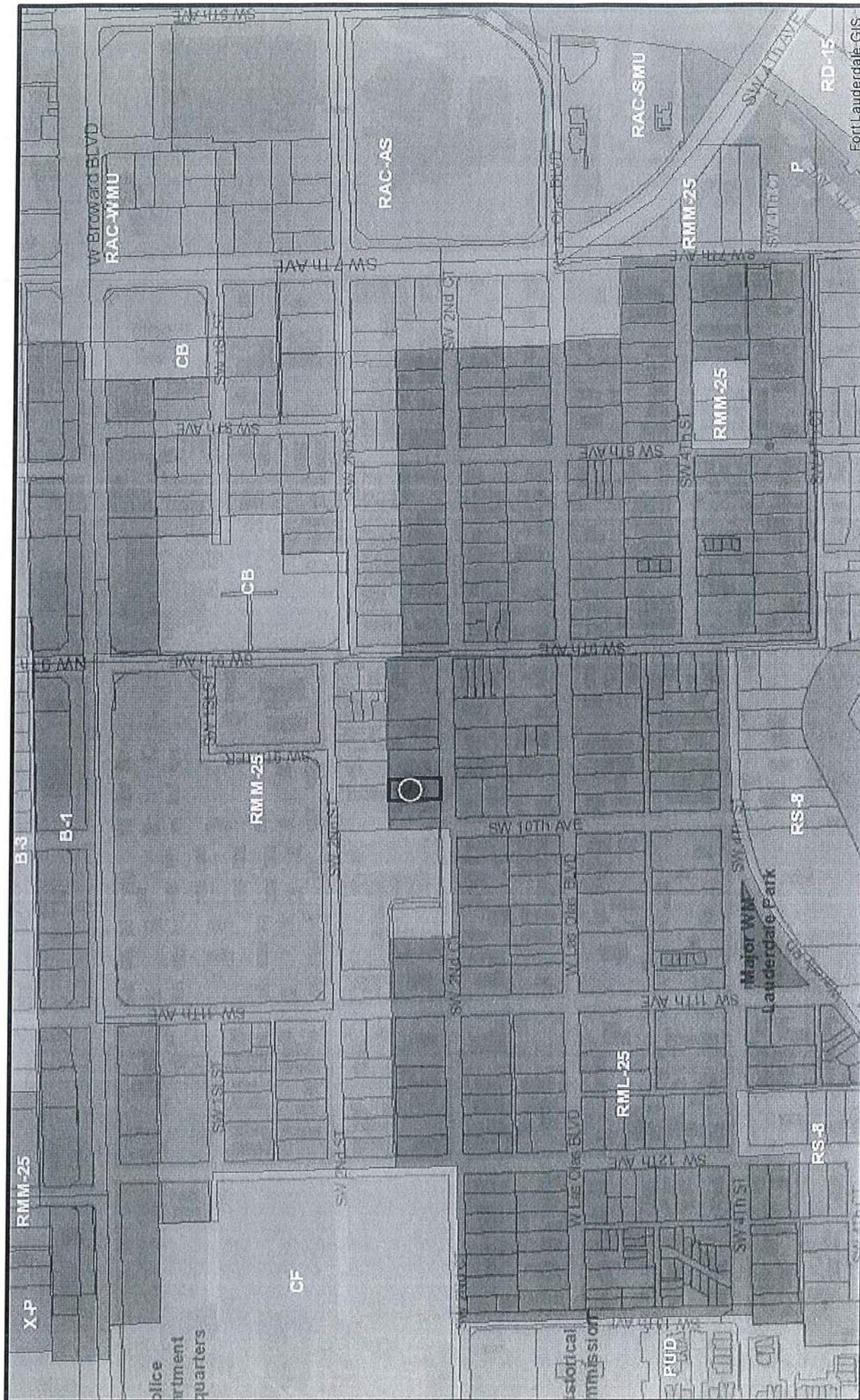


Figure 5 Property 5







# 927 SW 2nd Court Zoning Map



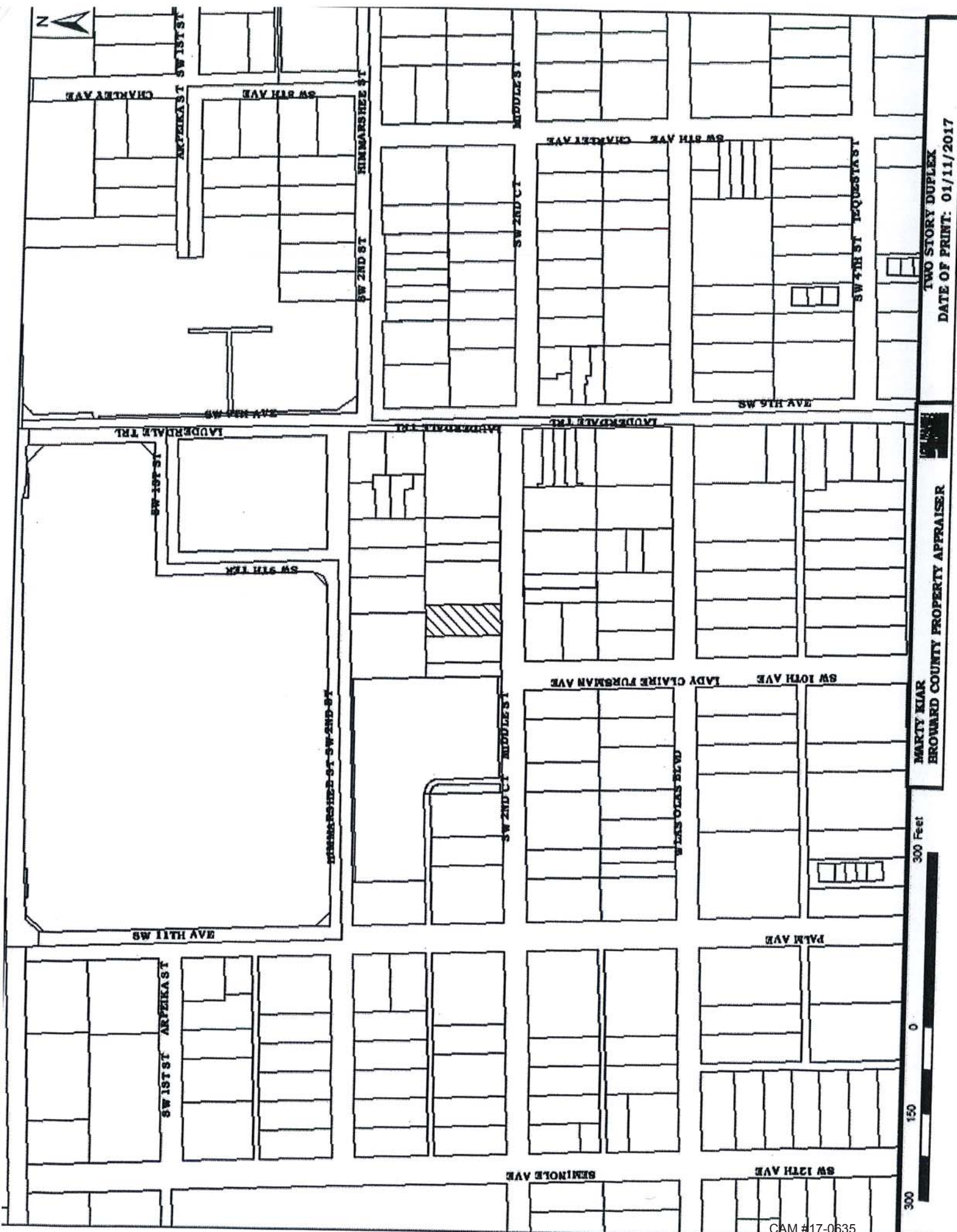
CITY OF FORT LAUDERDALE  
Map Created by Property Reporter GIS



**GIS**  
Fort Lauderdale

Printed on: 11/23/2016





TWO STORY DUPLEX  
DATE OF PRINT: 01/11/2017

MARTY KIAR  
BROWARD COUNTY PROPERTY APPRAISER



CAM #17-0635

Exhibit 1



www.lcortesconstructionsservicellc.com

## Contract/Proposal

# L CORTES CONSTRUCTION SERVICES LLC

STATE CERTIFIED GENERAL CONTRACTORS

General Contractor CGC1521716 – Roofing Contractor CCC1330296

18786 NW 79<sup>th</sup> way Hialeah FL. 33015

PH: (305) 454-3894 Fax: (305) 200-1352

E-mail: [lcroofing@yahoo.com](mailto:lcroofing@yahoo.com)

August 2, 2016

NJ Thomson, INC % Astra  
75 N Woodward Ave #86007  
Tallahassee, Fl. 32313  
Requested By: Emerson Javier

Job Site: 927 SW 2 Ct  
Ft. Lauderdale, Fl. 33312  
Phone: (954) 649-1275

### Scope of Work:

- Build two story townhouses Approximate 2,400 sq. ft.
- Two car garage approximate 400 sq.ft

TO OWNER: This contract is void unless is stamped. The contractor has 180 days to obtain permit and 180 days to complete the job.  
Construction Industries Recovery Fund: Payment be available from the construction industries recovery funds, if you lose money on project performed under contract. Where the loss results from specified violations of the Florida Law by The State Licensed Contractor. For more information about recovery funds and filling a claim, contact The Florida Construction Industry Licensed Board at the following telephone and address: Construction industries Recovery Funds: Payment be available from the construction Industries recovery funds if you lose money department of Professional Regulations, Construction Industry Licensed Board, 1940 N. Monroe Street, Tallahassee, Fl. 32399 Ph: 904-272-6538

We propose hereby to furnish material and labor-complete in accordance with the above specifications for the sum of **\$340,000.00**

All material is guaranteed to be as specified. All work to be completed in workmanlike manner according practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders and will become an extra charge over the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance

Authorized Signature

Note: This proposal may be withdraw by us, if not accepted within:

Acceptance of proposal – The above prices, Specifications and conditions are satisfactory and hereby accepted. You are to do the work as specified. Payment will be made as outlined above. This Proposal is hereby converted to a contract.

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

Date of Acceptance \_\_\_\_\_

Date of Acceptance \_\_\_\_\_

Seal Stamp





Environmental Protection and Growth Management Department  
PLANNING AND DEVELOPMENT MANAGEMENT DIVISION  
1 North University Drive, Building A, Suite 102 Plantation, Florida 33324 954-357-6666 FAX 954-357-6521

## Broward County Environmental Review Approval Certificate

**Issue Date:** 11/3/2016

**ER Review #:** 000400887

**Title of Drawings:** NEW 2-STORY DUPLEX UNITS A & B

**Project#:** N/A

**Plan Last Revision Date:** 9/29/2016

**Bldg Dept Jurisdiction:** Fort Lauderdale

**Legal Description:** Plat Name: WAVERLY PLACE Lot: 13-15 Block:

**Address:** 927 SW 2 CT B, Fort Lauderdale, FL 33312

**Construction Type:** New Construction

This approval is issued in accordance with Sec. 27.66 of the Broward County Natural Resource Protection Code. This approval is specific for the plans and description described on this approval, any changes in footprint, Lot #, or bedrooms or use will require a new approval.

### APPROVED

- ☒ **NO DEWATERING PERMITTED - CONTAMINATION** In accordance with Section 37-353 of the Broward County Natural Resource Protection Code, dewatering operations shall not be conducted without approval from the Broward County Pollution Prevention, Remediation & Air Quality Division.
- ☒ **WARNING** NOTIFICATION TO THE PLANNING AND DEVELOPMENT MANAGEMENT DIVISION IS REQUIRED WITHIN TEN (10) WORKING DAYS AFTER ISSUANCE OF A BUILDING PERMIT, A CERTIFICATE OF OCCUPANCY, A TEMPORARY CERTIFICATE OF OCCUPANCY, CERTIFICATE OF COMPLETION, FINAL INSPECTION OR ANY OTHER ACTION THAT ALLOWS OCCUPANCY OF THE BUILDING OR FACILITY. THE BUILDING DEPARTMENT IS REQUIRED TO ELECTRONICALLY UPDATE BUILDING PERMIT AND CO DATA ONLINE AT [HTTPS://DMDWEB.BROWARD.ORG/DMDWEB/LOGIN.ASPX](https://DMDWEB.BROWARD.ORG/DMDWEB/LOGIN.ASPX)
- ☒ **COMMENTS** NEW CONSTRUCTION OF DUPLEX UNIT B
- ☒ **STATEMENT OF RESPONSIBILITIES REGARDING ASBESTOS REQUIRED**  
A Statement of Responsibility Regarding Asbestos is required and an asbestos survey may be required. Please go to [www.broward.org/ePermits](http://www.broward.org/ePermits) and select "Asbestos- Statement of Responsibility" under "Permits A to Z". Failure to comply with the asbestos regulation requirements may subject the owner or operator to substantial penalties. NOTE: This is a required Notification and not a Permit.

If a building permit is not applied for within 30 days of the Environmental Review Approval, plans must be re-submitted to the Planning and Development Management Division for re-evaluation.

**Environmental Reviewer Name:** Scott Strauss

CAM #17-0635  
Exhibit 1  
Page 112 of 149



Environmental Protection and Growth Management Department  
PLANNING AND DEVELOPMENT MANAGEMENT DIVISION  
1 North University Drive, Building A, Suite 102 Plantation, Florida 33324 954-357-6666 FAX 954-357-6521

## Broward County Transportation Concurrency Satisfaction Certificate

**\* Please note that this approval does not constitute Environmental Review Approval. You will still need the Environmental Approval Certificate to submit to the Building Department.**

**Issue Date:** 11/03/2016

**DR Review #:** 0047305

**Application Number:** 000400887

**Title of Drawings:** NEW 2-STORY DUPLEX UNITS A & B

**Project#:** N/A

**Plan Last Revision Date:** 9/29/2016

**Bldg Dept Jurisdiction:** Fort Lauderdale

**Legal Description:** Plat Name: WAVERLY PLACE

Plat Number: Book: 2 Page: 19

Lot: 13-15 Block:

**Address:** 927 SW 2 CT B, Fort Lauderdale, FL 33312

**Construction Type:** New Construction

This approval is issued in accordance with Sec. 27.66 of the Broward County Natural Resource Protection Code. This approval is specific for the plans and description described on this approval. Any changes in footprint, Lot #, or bedrooms or use will require a new approval.

### ***Development Review***

☒ **BUILDING OFFICIAL:** Broward County Planning & Development Management Division impact and/or transportation concurrency fees have been satisfied/paid for NEW CONSTRUCTION OF DUPLEX UNIT B  
Receipt# 0047305

☒ **TRANSPORTATION CONCURRENCY SATISFACTION:** Certificate is hereby issued

\*Any revision to these plans requires a new development review by the division.

---

**If a building permit is not applied for within 30 days of the Environmental Review Approval, plans must be re-submitted to the Planning and Development Management Division for re-evaluation.**

**Development Reviewer Name:** Kim Marcellus





Environmental Protection and Growth Management Department  
PLANNING AND DEVELOPMENT MANAGEMENT DIVISION  
1 North University Drive, Building A, Suite 102 Plantation, Florida 33324 954-357-6666 FAX 954-357-6521

## Broward County Transportation Concurrency Satisfaction Certificate

**\* Please note that this approval does not constitute Environmental Review Approval. You will still need the Environmental Approval Certificate to submit to the Building Department.**

**Issue Date:** 11/03/2016

**DR Review #:** 0047304

**Application Number:** 000400884

**Title of Drawings:** NEW 2-STORY DUPLEX UNITS A & B

**Project#:** N/A

**Plan Last Revision Date:** 9/29/2016

**Bldg Dept Jurisdiction:** Fort Lauderdale

**Legal Description:** Plat Name: WAVERLY PLACE

Plat Number: Book: 2 Page: 19

Lot: 13-15 Block: 114

**Address:** 927 SW 2 CT A, Fort Lauderdale, FL 33312

**Construction Type:** New Construction

This approval is issued in accordance with Sec. 27.66 of the Broward County Natural Resource Protection Code. This approval is specific for the plans and description described on this approval. Any changes in footprint, Lot #, or bedrooms or use will require a new approval.

### ***Development Review***

☒ **BUILDING OFFICIAL:** No Impact/Concurrency Fees Due to Broward County Planning & Development Management Division  
NEW CONSTRUCTION OF DUPLEX UNIT A  
Receipt# 0047304

☒ **TRANSPORTATION CONCURRENCY SATISFACTION:** Certificate is hereby issued

\*Any revision to these plans requires a new development review by the division.

---

If a building permit is not applied for within 30 days of the Environmental Review Approval, plans must be re-submitted to the Planning and Development Management Division for re-evaluation.

**Development Reviewer Name:** Kim Marcellus



Environmental Protection and Growth Management Department  
PLANNING AND DEVELOPMENT MANAGEMENT DIVISION  
1 North University Drive, Building A, Suite 102 Plantation, Florida 33324 954-357-6666 FAX 954-357-6521

## Broward County Environmental Review Approval Certificate

**Issue Date:** 11/3/2016

**ER Review #:** 000400884

**Title of Drawings:** NEW 2-STORY DUPLEX UNITS A & B

**Project#:** N/A

**Plan Last Revision Date:** 9/29/2016

**Bldg Dept Jurisdiction:** Fort Lauderdale

**Legal Description:** Plat Name: WAVERLY PLACE Lot: 13-15 Block: 114

**Address:** 927 SW 2 CT A, Fort Lauderdale, FL 33312

**Construction Type:** New Construction

This approval is issued in accordance with Sec. 27.66 of the Broward County Natural Resource Protection Code. This approval is specific for the plans and description described on this approval, any changes in footprint, Lot #, or bedrooms or use will require a new approval.

### APPROVED

- ☒ **NO DEWATERING PERMITTED - CONTAMINATION** In accordance with Section 37-353 of the Broward County Natural Resource Protection Code, dewatering operations shall not be conducted without approval from the Broward County Pollution Prevention, Remediation & Air Quality Division.
- ☒ **WARNING** NOTIFICATION TO THE PLANNING AND DEVELOPMENT MANAGEMENT DIVISION IS REQUIRED WITHIN TEN (10) WORKING DAYS AFTER ISSUANCE OF A BUILDING PERMIT, A CERTIFICATE OF OCCUPANCY, A TEMPORARY CERTIFICATE OF OCCUPANCY, CERTIFICATE OF COMPLETION, FINAL INSPECTION OR ANY OTHER ACTION THAT ALLOWS OCCUPANCY OF THE BUILDING OR FACILITY. THE BUILDING DEPARTMENT IS REQUIRED TO ELECTRONICALLY UPDATE BUILDING PERMIT AND CO DATA ONLINE AT [HTTPS://DMDWEB.BROWARD.ORG/DMDWEB/LOGIN.ASPX](https://dmdweb.broward.org/dmdweb/login.aspx)
- ☒ **COMMENTS** NEW CONSTRUCTION OF DUPLEX UNIT A
- ☒ **STATEMENT OF RESPONSIBILITIES REGARDING ASBESTOS REQUIRED**  
A Statement of Responsibility Regarding Asbestos is required and an asbestos survey may be required. Please go to [www.broward.org/ePermits](http://www.broward.org/ePermits) and select "Asbestos- Statement of Responsibility" under "Permits A to Z". Failure to comply with the asbestos regulation requirements may subject the owner or operator to substantial penalties. NOTE: This is a required Notification and not a Permit.

If a building permit is not applied for within 30 days of the Environmental Review Approval, plans must be re-submitted to the Planning and Development Management Division for re-evaluation.

**Environmental Reviewer Name:** Scott Strauss

CAM #17-0635  
Exhibit 1  
Page 115 of 149





September 16, 2016

Astra Management Inc.  
75 N Woodward Avenue  
Tallahassee, FL 32313

Proposed Demolition: 927 Middle Street. Fort Lauderdale.

After a review of our facilities within the above referenced areas, we would like to inform you that Teco Peoples Gas has no active service lines to said property.

If you are planning to excavate the surrounding area of the work site, please contact Sunshine State One Call of Florida by dialing 811 at least 48 hours in advance, there might be other underground utilities. By contacting SSOCOF, the risk of personal injury and property damage can be reduced. You can get the latest information on SSOCOF by visiting their web site at [www.callsunshine.com](http://www.callsunshine.com).

Should you have any additional questions concerning the above, please contact me at 305-957-3857, extension 77247.

Sincerely,

A handwritten signature in cursive script that reads "Yolande Hong Ting".

Yolande Hong Ting for  
Jesus Vega  
Territory Manager  
North Miami Division

Prepared by : Yolande Hong Ting

PEOPLES GAS  
15779 W Dixie Hwy  
NORTH MIAMI, FL 33162  
AN EQUAL OPPORTUNITY COMPANY

FAX 305-957-3804  
[HTTP://WWW.TECOENERGY.COM](http://WWW.TECOENERGY.COM)

Priority One Air Solutions, LLC.

4326 ne 11 th. Ave.

Oakland Park, Fl. 33334

954-788-6501

[Priority1air@gmail.com](mailto:Priority1air@gmail.com)

[www.AC-PriorityOne.com](http://www.AC-PriorityOne.com)

To whom it may concern at The City of Fort Lauderdale.

Please be advised that we have a done an inspection at 927 sw 2<sup>nd</sup> ct. Fort lauderdaele, fl 33312 and certified that there are no central a/c units anywhere on this property. If you have any questions or concerns please contact our office.

Thank You, *Kenny Magnifico 11/22/16*





September 30, 2016

927 SW 2ND CT  
FORT LAUDERDALE FL  
33312

Re: 927 SW 2ND CT

Effective 09/30/2016, FPL has removed the meter and disconnected the FPL service wire to the above referenced address. However, before demolishing the structure, you should have the premises checked by a qualified individual to assure that electricity is not being supplied to the structure from any possible source. If there are any questions, or if I may be of further assistance in this matter, please contact me at the telephone number below.

Sincerely,

Latira Latimore  
Service Planning Clerk  
954-717-2072



<b>Site Address</b>	927 SW 2 COURT, FORT LAUDERDALE	<b>ID #</b>	5042 09 09 1540
<b>Property Owner</b>	NJ THOMSON INC %ASTRA	<b>Millage</b>	0312
<b>Mailing Address</b>	75 N WOODWARD AVE #86007 TALLAHASSEE FL 32313	<b>Use</b>	01
<b>Abbreviated Legal Description</b>	WAVERLY PLACE 2-19 D LOT 13,14 & E 5 OF LOT 15 & S1/2 VAC ALLEY LYING S SAID LOTS BLK 114		

The just values displayed below were set in compliance with **Sec. 193.011**, Fla. Stat., and include a reduction for costs of sale and other adjustments required by **Sec. 193.011(8)**.

Property Assessment Values					
<a href="#">Click here to see 2015 Exemptions and Taxable Values as reflected on the Nov. 1, 2015 tax bill.</a>					
Year	Land	Building	Just / Market Value	Assessed / SOH Value	Tax
2016	\$39,340	\$134,320	\$173,660	\$173,660	
2015	\$39,340	\$110,340	\$149,680	\$109,750	\$1,578.56
2014	\$39,340	\$99,260	\$138,600	\$108,880	\$1,587.20

2016 Exemptions and Taxable Values by Taxing Authority				
	County	School Board	Municipal	Independent
<b>Just Value</b>	\$173,660	\$173,660	\$173,660	\$173,660
<b>Portability</b>	0	0	0	0
<b>Assessed/SOH</b>	\$173,660	\$173,660	\$173,660	\$173,660
<b>Homestead</b>	0	0	0	0
<b>Add. Homestead</b>	0	0	0	0
<b>Wid/Vet/Dis</b>	0	0	0	0
<b>Senior</b>	0	0	0	0
<b>Exempt Type</b>	0	0	0	0
<b>Taxable</b>	\$173,660	\$173,660	\$173,660	\$173,660

Sales History				Land Calculations		
Date	Type	Price	Book/Page or CIN	Price	Factor	Type
4/12/2016	CET-D	\$114,500	113675268	\$5.50	7,152	SF
5/25/2005	QCD	\$34,000	42098 / 719			
5/15/2000	QCD	\$100	30609 / 909			
5/15/1998	WD	\$103,300	28278 / 621			
1/1/1994	WD	\$100	21617 / 384			
				<b>Adj. Bldg. S.F. (Card, Sketch)</b>		779
				<b>Units/Beds/Baths</b>		1/2/1

Special Assessments								
Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc
03								
R								
1								



# FLORIDA DEPARTMENT OF STATE DIVISION OF CORPORATIONS



## Detail by Entity Name

### Florida Profit Corporation

NJ THOMSON, INC.

### Filing Information

<b>Document Number</b>	P16000030546
<b>FEI/EIN Number</b>	NONE
<b>Date Filed</b>	04/04/2016
<b>Effective Date</b>	04/04/2016
<b>State</b>	FL
<b>Status</b>	ACTIVE

### Principal Address

75 N WOODWARD AVE #86007  
C/O ASTRA  
TALLAHASSEE, FL 32313

### Mailing Address

75 N WOODWARD AVE #86007  
C/O ASTRA  
TALLAHASSEE, FL 32313

### Registered Agent Name & Address

BRUSK, VIVIAN  
75 N WOODWARD AVE #86007  
C/O ASTRA  
TALLAHASSEE, FL 32313

### Officer/Director Detail

#### **Name & Address**

Title PD

SHWATRZ, ALEX  
75 N WOODWARD AVE #86007 C/O ASTRA  
TALLAHASSEE, FL 32313

### Annual Reports

**No Annual Reports Filed**

### Document Images

## **RESIDENTIAL ENERGY CONSERVATION CODE DOCUMENTATION CHECKLIST**

### **Florida Department of Business and Professional Regulation Simulated Performance Alternative (Performance) Method**

**Applications for compliance with the 2014 Florida Building Code, Energy Conservation via the residential Simulated Performance method shall include**



*This checklist*



*A Form R405 report that documents that the Proposed Design complies with Section R405.3 of the Florida Energy Code. This form shall include a summary page indicating home address, e-ratio and the pass or fail status along with summary areas and types of components, whether the home was simulated as a worst-case orientation, name and version of the compliance software tool, name of individual completing the compliance report (1 page) and an input summary checklist that can be used for field verification (usually 4 pages/may be greater).*



*Energy Performance Level (EPL) Display Card (one page)*



*Mandatory Requirements(three pages)*

#### **Required prior to CO for the Performance Method:**



*Air Barrier and Insulation Inspection Component Criteria checklist (Table R402.4.1.1 - one page)*



*A completed Envelope Leakage Test Report(usually one page)*



*If Form R405 duct leakage type indicates anything other than "default leakage", then a completed Form R405 Duct Leakage Test Report (usually one page)*



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

<b>Project Name:</b> New 2-Story Duplex <b>Street:</b> 927 SW 2nd Ct (Unit A) <b>City, State, Zip:</b> Fort Lauderdale , FL , 33312 <b>Owner:</b> <b>Design Location:</b> FL, Fort Lauderdale	<b>Builder Name:</b> <b>Permit Office:</b> <b>Permit Number:</b> <b>Jurisdiction:</b>
---	--


  

<table style="width: 100%;"> <tr> <td style="width: 30%;">1. New construction or existing</td> <td style="width: 40%;">New (From Plans)</td> <td style="width: 30%;"></td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Single-family</td> <td></td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> <td></td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>3</td> <td></td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> <td></td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>2356</td> <td></td> </tr> <tr> <td>    Conditioned floor area below grade (ft²)</td> <td>0</td> <td></td> </tr> <tr> <td>7. Windows(367.6 sqft.)</td> <td>Description</td> <td>Area</td> </tr> <tr> <td>    a. U-Factor:</td> <td>Sgl, U=0.55</td> <td>367.56 ft²</td> </tr> <tr> <td>        SHGC:</td> <td>SHGC=0.35</td> <td></td> </tr> <tr> <td>    b. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>        SHGC:</td> <td></td> <td></td> </tr> <tr> <td>    c. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>        SHGC:</td> <td></td> <td></td> </tr> <tr> <td>    d. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>        SHGC:</td> <td></td> <td></td> </tr> <tr> <td>    Area Weighted Average Overhang Depth:</td> <td>2.000 ft.</td> <td></td> </tr> <tr> <td>    Area Weighted Average SHGC:</td> <td>0.350</td> <td></td> </tr> <tr> <td>8. Floor Types (2356.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>    a. Slab-On-Grade Edge Insulation</td> <td>R=0.0</td> <td>2356.00 ft²</td> </tr> <tr> <td>    b. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>    c. N/A</td> <td>R=</td> <td>ft²</td> </tr> </table>	1. New construction or existing	New (From Plans)		2. Single family or multiple family	Single-family		3. Number of units, if multiple family	1		4. Number of Bedrooms	3		5. Is this a worst case?	No		6. Conditioned floor area above grade (ft²)	2356		Conditioned floor area below grade (ft²)	0		7. Windows(367.6 sqft.)	Description	Area	a. U-Factor:	Sgl, U=0.55	367.56 ft²	SHGC:	SHGC=0.35		b. U-Factor:	N/A	ft²	SHGC:			c. U-Factor:	N/A	ft²	SHGC:			d. U-Factor:	N/A	ft²	SHGC:			Area Weighted Average Overhang Depth:	2.000 ft.		Area Weighted Average SHGC:	0.350		8. Floor Types (2356.0 sqft.)	Insulation	Area	a. Slab-On-Grade Edge Insulation	R=0.0	2356.00 ft²	b. N/A	R=	ft²	c. N/A	R=	ft²	<table style="width: 100%;"> <tr> <td style="width: 30%;">9. Wall Types(3224.3 sqft.)</td> <td style="width: 40%;">Insulation</td> <td style="width: 30%;">Area</td> </tr> <tr> <td>    a. Concrete Block - Ext Insul, Exterior</td> <td>R=5.0</td> <td>3103.50 ft²</td> </tr> <tr> <td>    b. Concrete Block - Ext Insul, Adjacent</td> <td>R=5.0</td> <td>120.83 ft²</td> </tr> <tr> <td>    c. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>    d. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>10. Ceiling Types (2356.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>    a. Under Attic (Vented)</td> <td>R=30.0</td> <td>2356.00 ft²</td> </tr> <tr> <td>    b. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>    c. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>11. Ducts</td> <td></td> <td>R ft²</td> </tr> <tr> <td>    a. Sup: Attic, Ret: Attic, AH: Utility</td> <td></td> <td>6 235.6</td> </tr> <tr> <td>    b. Sup: Attic, Ret: Attic, AH: Utility</td> <td></td> <td>6 235.6</td> </tr> <tr> <td>12. Cooling systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>    a. Central Unit</td> <td>41.0</td> <td>SEER:16.00</td> </tr> <tr> <td>    b. Central Unit</td> <td>41.0</td> <td>SEER:16.00</td> </tr> <tr> <td>13. Heating systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>    a. Electric Strip Heat</td> <td>36.0</td> <td>COP:1.00</td> </tr> <tr> <td>    b. Electric Strip Heat</td> <td>36.0</td> <td>COP:1.00</td> </tr> <tr> <td>14. Hot water systems</td> <td></td> <td></td> </tr> <tr> <td>    a. Electric</td> <td></td> <td>Cap: 40 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF: 0.970</td> </tr> <tr> <td>    b. Conservation features</td> <td></td> <td></td> </tr> <tr> <td>        None</td> <td></td> <td></td> </tr> <tr> <td>15. Credits</td> <td></td> <td>None</td> </tr> </table>	9. Wall Types(3224.3 sqft.)	Insulation	Area	a. Concrete Block - Ext Insul, Exterior	R=5.0	3103.50 ft²	b. Concrete Block - Ext Insul, Adjacent	R=5.0	120.83 ft²	c. N/A	R=	ft²	d. N/A	R=	ft²	10. Ceiling Types (2356.0 sqft.)	Insulation	Area	a. Under Attic (Vented)	R=30.0	2356.00 ft²	b. N/A	R=	ft²	c. N/A	R=	ft²	11. Ducts		R ft²	a. Sup: Attic, Ret: Attic, AH: Utility		6 235.6	b. Sup: Attic, Ret: Attic, AH: Utility		6 235.6	12. Cooling systems	kBtu/hr	Efficiency	a. Central Unit	41.0	SEER:16.00	b. Central Unit	41.0	SEER:16.00	13. Heating systems	kBtu/hr	Efficiency	a. Electric Strip Heat	36.0	COP:1.00	b. Electric Strip Heat	36.0	COP:1.00	14. Hot water systems			a. Electric		Cap: 40 gallons			EF: 0.970	b. Conservation features			None			15. Credits		None
1. New construction or existing	New (From Plans)																																																																																																																																										
2. Single family or multiple family	Single-family																																																																																																																																										
3. Number of units, if multiple family	1																																																																																																																																										
4. Number of Bedrooms	3																																																																																																																																										
5. Is this a worst case?	No																																																																																																																																										
6. Conditioned floor area above grade (ft²)	2356																																																																																																																																										
Conditioned floor area below grade (ft²)	0																																																																																																																																										
7. Windows(367.6 sqft.)	Description	Area																																																																																																																																									
a. U-Factor:	Sgl, U=0.55	367.56 ft²																																																																																																																																									
SHGC:	SHGC=0.35																																																																																																																																										
b. U-Factor:	N/A	ft²																																																																																																																																									
SHGC:																																																																																																																																											
c. U-Factor:	N/A	ft²																																																																																																																																									
SHGC:																																																																																																																																											
d. U-Factor:	N/A	ft²																																																																																																																																									
SHGC:																																																																																																																																											
Area Weighted Average Overhang Depth:	2.000 ft.																																																																																																																																										
Area Weighted Average SHGC:	0.350																																																																																																																																										
8. Floor Types (2356.0 sqft.)	Insulation	Area																																																																																																																																									
a. Slab-On-Grade Edge Insulation	R=0.0	2356.00 ft²																																																																																																																																									
b. N/A	R=	ft²																																																																																																																																									
c. N/A	R=	ft²																																																																																																																																									
9. Wall Types(3224.3 sqft.)	Insulation	Area																																																																																																																																									
a. Concrete Block - Ext Insul, Exterior	R=5.0	3103.50 ft²																																																																																																																																									
b. Concrete Block - Ext Insul, Adjacent	R=5.0	120.83 ft²																																																																																																																																									
c. N/A	R=	ft²																																																																																																																																									
d. N/A	R=	ft²																																																																																																																																									
10. Ceiling Types (2356.0 sqft.)	Insulation	Area																																																																																																																																									
a. Under Attic (Vented)	R=30.0	2356.00 ft²																																																																																																																																									
b. N/A	R=	ft²																																																																																																																																									
c. N/A	R=	ft²																																																																																																																																									
11. Ducts		R ft²																																																																																																																																									
a. Sup: Attic, Ret: Attic, AH: Utility		6 235.6																																																																																																																																									
b. Sup: Attic, Ret: Attic, AH: Utility		6 235.6																																																																																																																																									
12. Cooling systems	kBtu/hr	Efficiency																																																																																																																																									
a. Central Unit	41.0	SEER:16.00																																																																																																																																									
b. Central Unit	41.0	SEER:16.00																																																																																																																																									
13. Heating systems	kBtu/hr	Efficiency																																																																																																																																									
a. Electric Strip Heat	36.0	COP:1.00																																																																																																																																									
b. Electric Strip Heat	36.0	COP:1.00																																																																																																																																									
14. Hot water systems																																																																																																																																											
a. Electric		Cap: 40 gallons																																																																																																																																									
		EF: 0.970																																																																																																																																									
b. Conservation features																																																																																																																																											
None																																																																																																																																											
15. Credits		None																																																																																																																																									

Glass/Floor Area: 0.156	Total Proposed Modified Loads: 85.23 Total Baseline Loads: 85.69	PASS
-------------------------	---	------

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: <u>Lillian Gonzalez</u>          DATE: <u>10-31-2016</u></p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____          DATE: _____</p>	<p>Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.</p> <div style="text-align: center;">  </div> <p>BUILDING OFFICIAL: _____          DATE: _____</p>
---	---

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.2.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and an envelope leakage test report in accordance with R402.4.1.2.

PROJECT										
Title:	New 2-Story Duplex	Bedrooms:	3	Address Type:	Street Address					
Building Type:	User	Conditioned Area:	2356	Lot #						
Owner:		Total Stories:	1	Block/SubDivision:						
# of Units:	1	Worst Case:	No	PlatBook:						
Builder Name:		Rotate Angle:	0	Street:	927 SW 2nd Ct (Unit A)					
Permit Office:		Cross Ventilation:		County:	Palm Beach					
Jurisdiction:		Whole House Fan:		City, State, Zip:	Fort Lauderdale , FL , 33312					
Family Type:	Single-family									
New/Existing:	New (From Plans)									
Comment:										

CLIMATE										
✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Fort Lauderdale	FL_FORT_LAUDERDALE	1	43	91	70	75	321.5	60	Low

BLOCKS			
Number	Name	Area	Volume
1	Block1	868	8680
2	Block2	1488	14136

SPACES										
Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Living Room	365	3650	No	0	0	1	Yes	Yes	Yes
2	Dining Room	172	1720	No	0	0	1	Yes	Yes	Yes
3	Kitchen	294	2940	Yes	0	0	1	Yes	Yes	Yes
4	Bathroom 1	37	370	No	0	0	1	Yes	Yes	Yes
5	Bedroom 2	258	2451	No	1	1	1	Yes	Yes	Yes
6	Bedroom 3	247	2346.5	No	1	1	1	Yes	Yes	Yes
7	Loft	269	2555.5	No	0	0	1	Yes	Yes	Yes
8	Utility	78	741	No	0	0	1	Yes	Yes	Yes
9	Bathroom 2	42	399	No	0	0	1	Yes	Yes	Yes
10	Bathroom 3	47	446.5	No	0	0	1	Yes	Yes	Yes
11	Master Bedroom	310	2945	No	1	1	1	Yes	Yes	Yes
12	Closet HIS	32	304	No	0	0	1	Yes	Yes	Yes
13	Closet HER	59	560.5	No	0	0	1	Yes	Yes	Yes
14	Master Bathroom	146	1387	No	0	0	1	Yes	Yes	Yes

FLOORS										
✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Living Room	76 ft	0	365 ft²	----	1	0	0
_____	2	Slab-On-Grade Edge Insulatio	Dining Room	58 ft	0	172 ft²	----	1	0	0
_____	3	Slab-On-Grade Edge Insulatio	Kitchen	72 ft	0	294 ft²	----	1	0	0



FLOORS										
✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	4	Slab-On-Grade Edge Insulatio	Bathroom 1	28 ft	0	37 ft²	----	1	0	0
_____	5	Slab-On-Grade Edge Insulatio	Bedroom 2	66 ft	0	258 ft²	----	1	0	0
_____	6	Slab-On-Grade Edge Insulatio	Bedroom 3	64 ft	0	247 ft²	----	1	0	0
_____	7	Slab-On-Grade Edge Insulatio	Loft	80 ft	0	269 ft²	----	1	0	0
_____	8	Slab-On-Grade Edge Insulatio	Utility	38 ft	0	78 ft²	----	1	0	0
_____	9	Slab-On-Grade Edge Insulatio	Bathroom 2	26 ft	0	42 ft²	----	1	0	0
_____	10	Slab-On-Grade Edge Insulatio	Bathroom 3	28 ft	0	47 ft²	----	1	0	0
_____	11	Slab-On-Grade Edge Insulatio	Master Bedroom	70 ft	0	310 ft²	----	1	0	0
_____	12	Slab-On-Grade Edge Insulatio	Closet HIS	24 ft	0	32 ft²	----	1	0	0
_____	13	Slab-On-Grade Edge Insulatio	Closet HER	32 ft	0	59 ft²	----	1	0	0
_____	14	Slab-On-Grade Edge Insulatio	Master Bathroom	62 ft	0	146 ft²	----	1	0	0

ROOF												
✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2483 ft²	0 ft²	Medium	0.96	No	0.9	No	0	18.4

ATTIC							
✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2356 ft²	N	N

CEILING							
✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Living Room	30	365 ft²	0.11	Wood
_____	2	Under Attic (Vented)	Dining Room	30	172 ft²	0.11	Wood
_____	3	Under Attic (Vented)	Kitchen	30	294 ft²	0.11	Wood
_____	4	Under Attic (Vented)	Bathroom 1	30	37 ft²	0.11	Wood
_____	5	Under Attic (Vented)	Bedroom 2	30	258 ft²	0.11	Wood
_____	6	Under Attic (Vented)	Bedroom 3	30	247 ft²	0.11	Wood
_____	7	Under Attic (Vented)	Loft	30	269 ft²	0.11	Wood
_____	8	Under Attic (Vented)	Utility	30	78 ft²	0.11	Wood
_____	9	Under Attic (Vented)	Bathroom 2	30	42 ft²	0.11	Wood
_____	10	Under Attic (Vented)	Bathroom 3	30	47 ft²	0.11	Wood
_____	11	Under Attic (Vented)	Master Bedroom	30	310 ft²	0.11	Wood
_____	12	Under Attic (Vented)	Closet HIS	30	32 ft²	0.11	Wood
_____	13	Under Attic (Vented)	Master Bathroom	30	146 ft²	0.11	Metal
_____	14	Under Attic (Vented)	Closet HER	30	59 ft²	0.11	Wood



## WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	N	Exterior	Concrete Block - Ext Insul	Living Room	5	20	8	10		206.7 ft²	0	0	0.75	0
2	W	Exterior	Concrete Block - Ext Insul	Living Room	5	17	5	10		174.2 ft²	0	0	0.75	0
3	W	Exterior	Concrete Block - Ext Insul	Dining Room	5	9		10		90.0 ft²	0	0	0.75	0
4	W	Exterior	Concrete Block - Ext Insul	Bathroom 1	5	7	5	10		74.2 ft²	0	0	0.75	0
5	S	Exterior	Concrete Block - Ext Insul	Bathroom 1	5	3	3	10		32.5 ft²	0	0	0.75	0
6	S	Exterior	Concrete Block - Ext Insul	Kitchen	5	5	2	10		51.7 ft²	0	0	0.75	0
7	W	Exterior	Concrete Block - Ext Insul	Kitchen	5	8	10	10		88.3 ft²	0	0	0.75	0
8	S	Garage	Concrete Block - Ext Insul	Kitchen	5	12	1	10		120.8 ft²	0	0	0.75	0
9	E	Exterior	Concrete Block - Ext Insul	Kitchen	5	17		10		170.0 ft²	0	0	0.75	0
10	E	Exterior	Concrete Block - Ext Insul	Dining Room	5	18	2	10		181.7 ft²	0	0	0.75	0
11	E	Exterior	Concrete Block - Ext Insul	Living Room	5	25	6.5	10		255.4 ft²	0	0	0.75	0
12	N	Exterior	Concrete Block - Ext Insul	Master Bathro	5	12	1	9	6	114.8 ft²	0	0	0.75	0
13	W	Exterior	Concrete Block - Ext Insul	Master Bedro	5	3	10	9	6	36.4 ft²	0	0	0.75	0
14	N	Exterior	Concrete Block - Ext Insul	Master Bedro	5	8	8	9	6	82.3 ft²	0	0	0.75	0
15	W	Exterior	Concrete Block - Ext Insul	Master Bedro	5	21		9	6	199.5 ft²	0	0	0.75	0
16	W	Exterior	Concrete Block - Ext Insul	Closet HIS	5	5		9	6	47.5 ft²	0	0	0.75	0
17	W	Exterior	Concrete Block - Ext Insul	Loft	5	12	11	9	6	122.7 ft²	0	0	0.75	0
18	W	Exterior	Concrete Block - Ext Insul	Bedroom 2	5	12		9	6	114.0 ft²	0	0	0.75	0
19	W	Exterior	Concrete Block - Ext Insul	Bathroom 2	5	8		9	6	76.0 ft²	0	0	0.75	0
20	W	Exterior	Concrete Block - Ext Insul	Bathroom 3	5	8		9	6	76.0 ft²	0	0	0.75	0
21	S	Exterior	Concrete Block - Ext Insul	Bathroom 3	5	7	1	9	6	67.3 ft²	0	0	0.75	0
22	S	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	3		9	6	28.5 ft²	0	0	0.75	0
23	W	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	2	3	9	6	21.4 ft²	0	0	0.75	0
24	S	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	10	3	9	6	97.4 ft²	0	0	0.75	0
25	E	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	19	7	9	6	186.0 ft²	0	0	0.75	0
26	E	Exterior	Concrete Block - Ext Insul	Bedroom 2	5	11	7	9	6	110.0 ft²	0	0	0.75	0
27	E	Exterior	Concrete Block - Ext Insul	Loft	5	4	3	9	6	40.4 ft²	0	0	0.75	0
28	E	Exterior	Concrete Block - Ext Insul	Utility	5	8	6	9	6	80.8 ft²	0	0	0.75	0
29	E	Exterior	Concrete Block - Ext Insul	Closet HER	5	11	2	9	6	106.1 ft²	0	0	0.75	0
30	E	Exterior	Concrete Block - Ext Insul	Master Bathro	5	18	1	9	6	171.8 ft²	0	0	0.75	0

## DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	S	Wood	Kitchen	None	.46	4	4	8		34.7 ft²
2	S	Wood	Kitchen	None	.46	3		8		24 ft²
3	S	Wood	Bedroom 3	None	.46	3		8		24 ft²

**WINDOWS**

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	1	Metal	Single (Clear)	Yes	0.55	0.35	128.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	2	W	2	Metal	Single (Clear)	Yes	0.55	0.35	34.2 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	3	W	4	Metal	Single (Clear)	Yes	0.55	0.35	5.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	4	W	7	Metal	Single (Clear)	Yes	0.55	0.35	19.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	5	N	12	Metal	Single (Clear)	Yes	0.55	0.35	13.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	6	N	14	Metal	Single (Clear)	Yes	0.55	0.35	69.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	7	W	15	Metal	Single (Clear)	Yes	0.55	0.35	34.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	8	W	17	Metal	Single (Clear)	Yes	0.55	0.35	17.4 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	9	W	18	Metal	Single (Clear)	Yes	0.55	0.35	17.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	10	W	19	Metal	Single (Clear)	Yes	0.55	0.35	5.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	11	W	20	Metal	Single (Clear)	Yes	0.55	0.35	5.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	12	S	24	Metal	Single (Clear)	Yes	0.55	0.35	17.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None

**GARAGE**

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	416.6 ft²	384 ft²	40.83 ft	10 ft	5

**INFILTRATION**

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000308	1901.3	104.38	196.3	.2123	5

**HEATING SYSTEM**

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Strip Heat	None	COP:1	36 kBtu/hr	1	sys#1
_____	2	Electric Strip Heat	None	COP:1	36 kBtu/hr	2	sys#2

**COOLING SYSTEM**

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit	None	SEER: 16	41 kBtu/hr	1230 cfm	0.85	1	sys#1
_____	2	Central Unit	None	SEER: 16	41 kBtu/hr	1230 cfm	0.85	2	sys#2

**HOT WATER SYSTEM**

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.97	40 gal	60.00041	120 deg	None

**SOLAR HOT WATER SYSTEM**

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft <sup>2</sup>		

**DUCTS**

✓	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	235.6 ft	Attic	58.9 ft <sup>2</sup>	Default Leakage	Utility	(Default)	(Default)			1	1
_____	2	Attic	6	235.6 ft	Attic	58.9 ft <sup>2</sup>	Default Leakage	Utility	(Default)	(Default)			2	2

**TEMPERATURES**

Programable Thermostat: None

Ceiling Fans:

Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input type="checkbox"/> Dec

Thermostat Schedule: HERS 2006 Reference

Hours

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68



# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

<b>Project Name:</b> New 2-Story Duplex <b>Street:</b> 927 SW 2nd Ct (Unit B) <b>City, State, Zip:</b> Fort Lauderdale , FL , 33312 <b>Owner:</b> <b>Design Location:</b> FL, Fort Lauderdale	<b>Builder Name:</b> <b>Permit Office:</b> <b>Permit Number:</b> <b>Jurisdiction:</b>
---	--


  

<table style="width: 100%;"> <tr> <td style="width: 30%;">1. New construction or existing</td> <td style="width: 40%;">New (From Plans)</td> <td style="width: 30%;"></td> </tr> <tr> <td>2. Single family or multiple family</td> <td>Single-family</td> <td></td> </tr> <tr> <td>3. Number of units, if multiple family</td> <td>1</td> <td></td> </tr> <tr> <td>4. Number of Bedrooms</td> <td>3</td> <td></td> </tr> <tr> <td>5. Is this a worst case?</td> <td>No</td> <td></td> </tr> <tr> <td>6. Conditioned floor area above grade (ft²)</td> <td>2356</td> <td></td> </tr> <tr> <td>    Conditioned floor area below grade (ft²)</td> <td>0</td> <td></td> </tr> <tr> <td>7. Windows(367.6 sqft.)</td> <td>Description</td> <td>Area</td> </tr> <tr> <td>    a. U-Factor:</td> <td>Sgl, U=0.55</td> <td>367.56 ft²</td> </tr> <tr> <td>        SHGC:</td> <td>SHGC=0.35</td> <td></td> </tr> <tr> <td>    b. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>        SHGC:</td> <td></td> <td></td> </tr> <tr> <td>    c. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>        SHGC:</td> <td></td> <td></td> </tr> <tr> <td>    d. U-Factor:</td> <td>N/A</td> <td>ft²</td> </tr> <tr> <td>        SHGC:</td> <td></td> <td></td> </tr> <tr> <td>    Area Weighted Average Overhang Depth:</td> <td>2.000 ft.</td> <td></td> </tr> <tr> <td>    Area Weighted Average SHGC:</td> <td>0.350</td> <td></td> </tr> <tr> <td>8. Floor Types (2356.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>    a. Slab-On-Grade Edge Insulation</td> <td>R=0.0</td> <td>2356.00 ft²</td> </tr> <tr> <td>    b. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>    c. N/A</td> <td>R=</td> <td>ft²</td> </tr> </table>	1. New construction or existing	New (From Plans)		2. Single family or multiple family	Single-family		3. Number of units, if multiple family	1		4. Number of Bedrooms	3		5. Is this a worst case?	No		6. Conditioned floor area above grade (ft²)	2356		Conditioned floor area below grade (ft²)	0		7. Windows(367.6 sqft.)	Description	Area	a. U-Factor:	Sgl, U=0.55	367.56 ft²	SHGC:	SHGC=0.35		b. U-Factor:	N/A	ft²	SHGC:			c. U-Factor:	N/A	ft²	SHGC:			d. U-Factor:	N/A	ft²	SHGC:			Area Weighted Average Overhang Depth:	2.000 ft.		Area Weighted Average SHGC:	0.350		8. Floor Types (2356.0 sqft.)	Insulation	Area	a. Slab-On-Grade Edge Insulation	R=0.0	2356.00 ft²	b. N/A	R=	ft²	c. N/A	R=	ft²	<table style="width: 100%;"> <tr> <td style="width: 30%;">9. Wall Types(3224.3 sqft.)</td> <td style="width: 40%;">Insulation</td> <td style="width: 30%;">Area</td> </tr> <tr> <td>    a. Concrete Block - Ext Insul, Exterior</td> <td>R=5.0</td> <td>3103.50 ft²</td> </tr> <tr> <td>    b. Concrete Block - Ext Insul, Adjacent</td> <td>R=5.0</td> <td>120.83 ft²</td> </tr> <tr> <td>    c. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>    d. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>10. Ceiling Types (2356.0 sqft.)</td> <td>Insulation</td> <td>Area</td> </tr> <tr> <td>    a. Under Attic (Vented)</td> <td>R=30.0</td> <td>2356.00 ft²</td> </tr> <tr> <td>    b. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>    c. N/A</td> <td>R=</td> <td>ft²</td> </tr> <tr> <td>11. Ducts</td> <td></td> <td>R ft²</td> </tr> <tr> <td>    a. Sup: Attic, Ret: Attic, AH: Utility</td> <td></td> <td>6 235.6</td> </tr> <tr> <td>    b. Sup: Attic, Ret: Attic, AH: Utility</td> <td></td> <td>6 235.6</td> </tr> <tr> <td>12. Cooling systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>    a. Central Unit</td> <td>41.0</td> <td>SEER:16.00</td> </tr> <tr> <td>    b. Central Unit</td> <td>41.0</td> <td>SEER:16.00</td> </tr> <tr> <td>13. Heating systems</td> <td>kBtu/hr</td> <td>Efficiency</td> </tr> <tr> <td>    a. Electric Strip Heat</td> <td>36.0</td> <td>COP:1.00</td> </tr> <tr> <td>    b. Electric Strip Heat</td> <td>36.0</td> <td>COP:1.00</td> </tr> <tr> <td>14. Hot water systems</td> <td></td> <td></td> </tr> <tr> <td>    a. Electric</td> <td></td> <td>Cap: 40 gallons</td> </tr> <tr> <td></td> <td></td> <td>EF: 0.970</td> </tr> <tr> <td>    b. Conservation features</td> <td></td> <td></td> </tr> <tr> <td>        None</td> <td></td> <td></td> </tr> <tr> <td>15. Credits</td> <td></td> <td>None</td> </tr> </table>	9. Wall Types(3224.3 sqft.)	Insulation	Area	a. Concrete Block - Ext Insul, Exterior	R=5.0	3103.50 ft²	b. Concrete Block - Ext Insul, Adjacent	R=5.0	120.83 ft²	c. N/A	R=	ft²	d. N/A	R=	ft²	10. Ceiling Types (2356.0 sqft.)	Insulation	Area	a. Under Attic (Vented)	R=30.0	2356.00 ft²	b. N/A	R=	ft²	c. N/A	R=	ft²	11. Ducts		R ft²	a. Sup: Attic, Ret: Attic, AH: Utility		6 235.6	b. Sup: Attic, Ret: Attic, AH: Utility		6 235.6	12. Cooling systems	kBtu/hr	Efficiency	a. Central Unit	41.0	SEER:16.00	b. Central Unit	41.0	SEER:16.00	13. Heating systems	kBtu/hr	Efficiency	a. Electric Strip Heat	36.0	COP:1.00	b. Electric Strip Heat	36.0	COP:1.00	14. Hot water systems			a. Electric		Cap: 40 gallons			EF: 0.970	b. Conservation features			None			15. Credits		None
1. New construction or existing	New (From Plans)																																																																																																																																										
2. Single family or multiple family	Single-family																																																																																																																																										
3. Number of units, if multiple family	1																																																																																																																																										
4. Number of Bedrooms	3																																																																																																																																										
5. Is this a worst case?	No																																																																																																																																										
6. Conditioned floor area above grade (ft²)	2356																																																																																																																																										
Conditioned floor area below grade (ft²)	0																																																																																																																																										
7. Windows(367.6 sqft.)	Description	Area																																																																																																																																									
a. U-Factor:	Sgl, U=0.55	367.56 ft²																																																																																																																																									
SHGC:	SHGC=0.35																																																																																																																																										
b. U-Factor:	N/A	ft²																																																																																																																																									
SHGC:																																																																																																																																											
c. U-Factor:	N/A	ft²																																																																																																																																									
SHGC:																																																																																																																																											
d. U-Factor:	N/A	ft²																																																																																																																																									
SHGC:																																																																																																																																											
Area Weighted Average Overhang Depth:	2.000 ft.																																																																																																																																										
Area Weighted Average SHGC:	0.350																																																																																																																																										
8. Floor Types (2356.0 sqft.)	Insulation	Area																																																																																																																																									
a. Slab-On-Grade Edge Insulation	R=0.0	2356.00 ft²																																																																																																																																									
b. N/A	R=	ft²																																																																																																																																									
c. N/A	R=	ft²																																																																																																																																									
9. Wall Types(3224.3 sqft.)	Insulation	Area																																																																																																																																									
a. Concrete Block - Ext Insul, Exterior	R=5.0	3103.50 ft²																																																																																																																																									
b. Concrete Block - Ext Insul, Adjacent	R=5.0	120.83 ft²																																																																																																																																									
c. N/A	R=	ft²																																																																																																																																									
d. N/A	R=	ft²																																																																																																																																									
10. Ceiling Types (2356.0 sqft.)	Insulation	Area																																																																																																																																									
a. Under Attic (Vented)	R=30.0	2356.00 ft²																																																																																																																																									
b. N/A	R=	ft²																																																																																																																																									
c. N/A	R=	ft²																																																																																																																																									
11. Ducts		R ft²																																																																																																																																									
a. Sup: Attic, Ret: Attic, AH: Utility		6 235.6																																																																																																																																									
b. Sup: Attic, Ret: Attic, AH: Utility		6 235.6																																																																																																																																									
12. Cooling systems	kBtu/hr	Efficiency																																																																																																																																									
a. Central Unit	41.0	SEER:16.00																																																																																																																																									
b. Central Unit	41.0	SEER:16.00																																																																																																																																									
13. Heating systems	kBtu/hr	Efficiency																																																																																																																																									
a. Electric Strip Heat	36.0	COP:1.00																																																																																																																																									
b. Electric Strip Heat	36.0	COP:1.00																																																																																																																																									
14. Hot water systems																																																																																																																																											
a. Electric		Cap: 40 gallons																																																																																																																																									
		EF: 0.970																																																																																																																																									
b. Conservation features																																																																																																																																											
None																																																																																																																																											
15. Credits		None																																																																																																																																									

Glass/Floor Area: 0.156	Total Proposed Modified Loads: 85.23	<b>PASS</b>
	Total Baseline Loads: 85.69	

<p>I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.</p> <p>PREPARED BY: <u>Lillian Gonzalez</u></p> <p>DATE: <u>10-31-2016</u></p> <p>I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.</p> <p>OWNER/AGENT: _____</p> <p>DATE: _____</p>	<p>Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.</p> <div style="text-align: center;">  </div> <p>BUILDING OFFICIAL: _____</p> <p>DATE: _____</p>
---	---

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with R403.2.2.1.
- Compliance requires an Air Barrier and Insulation Inspection Checklist in accordance with R402.4.1.1 and an envelope leakage test report in accordance with R402.4.1.2.

**PROJECT**

Title:	New 2-Story Duplex	Bedrooms:	3	Address Type:	Street Address
Building Type:	User	Conditioned Area:	2356	Lot #	
Owner:		Total Stories:	1	Block/SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	927 SW 2nd Ct (Unit A)
Permit Office:		Cross Ventilation:		County:	Palm Beach
Jurisdiction:		Whole House Fan:		City, State, Zip:	Fort Lauderdale , FL , 33312
Family Type:	Single-family				
New/Existing:	New (From Plans)				
Comment:					

**CLIMATE**

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Fort Lauderdale	FL_FORT_LAUDERDALE	1	43	91	70	75	321.5	60	Low

**BLOCKS**

Number	Name	Area	Volume
1	Block1	868	8680
2	Block2	1488	14136

**SPACES**

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Living Room	365	3650	No	0	0	1	Yes	Yes	Yes
2	Dining Room	172	1720	No	0	0	1	Yes	Yes	Yes
3	Kitchen	294	2940	Yes	0	0	1	Yes	Yes	Yes
4	Bathroom 1	37	370	No	0	0	1	Yes	Yes	Yes
5	Bedroom 2	258	2451	No	1	1	1	Yes	Yes	Yes
6	Bedroom 3	247	2346.5	No	1	1	1	Yes	Yes	Yes
7	Loft	269	2555.5	No	0	0	1	Yes	Yes	Yes
8	Utility	78	741	No	0	0	1	Yes	Yes	Yes
9	Bathroom 2	42	399	No	0	0	1	Yes	Yes	Yes
10	Bathroom 3	47	446.5	No	0	0	1	Yes	Yes	Yes
11	Master Bedroom	310	2945	No	1	1	1	Yes	Yes	Yes
12	Closet HIS	32	304	No	0	0	1	Yes	Yes	Yes
13	Closet HER	59	560.5	No	0	0	1	Yes	Yes	Yes
14	Master Bathroom	146	1387	No	0	0	1	Yes	Yes	Yes

**FLOORS**

✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Living Room	76 ft	0	365 ft²	----	1	0	0
_____	2	Slab-On-Grade Edge Insulatio	Dining Room	58 ft	0	172 ft²	----	1	0	0
_____	3	Slab-On-Grade Edge Insulatio	Kitchen	72 ft	0	294 ft²	----	1	0	0



FLOORS										
✓	#	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
_____	4	Slab-On-Grade Edge Insulatio	Bathroom 1	28 ft	0	37 ft²	----	1	0	0
_____	5	Slab-On-Grade Edge Insulatio	Bedroom 2	66 ft	0	258 ft²	----	1	0	0
_____	6	Slab-On-Grade Edge Insulatio	Bedroom 3	64 ft	0	247 ft²	----	1	0	0
_____	7	Slab-On-Grade Edge Insulatio	Loft	80 ft	0	269 ft²	----	1	0	0
_____	8	Slab-On-Grade Edge Insulatio	Utility	38 ft	0	78 ft²	----	1	0	0
_____	9	Slab-On-Grade Edge Insulatio	Bathroom 2	26 ft	0	42 ft²	----	1	0	0
_____	10	Slab-On-Grade Edge Insulatio	Bathroom 3	28 ft	0	47 ft²	----	1	0	0
_____	11	Slab-On-Grade Edge Insulatio	Master Bedroom	70 ft	0	310 ft²	----	1	0	0
_____	12	Slab-On-Grade Edge Insulatio	Closet HIS	24 ft	0	32 ft²	----	1	0	0
_____	13	Slab-On-Grade Edge Insulatio	Closet HER	32 ft	0	59 ft²	----	1	0	0
_____	14	Slab-On-Grade Edge Insulatio	Master Bathroom	62 ft	0	146 ft²	----	1	0	0

ROOF												
✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2483 ft²	0 ft²	Medium	0.96	No	0.9	No	0	18.4

ATTIC							
✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2356 ft²	N	N

CEILING							
✓	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Living Room	30	365 ft²	0.11	Wood
_____	2	Under Attic (Vented)	Dining Room	30	172 ft²	0.11	Wood
_____	3	Under Attic (Vented)	Kitchen	30	294 ft²	0.11	Wood
_____	4	Under Attic (Vented)	Bathroom 1	30	37 ft²	0.11	Wood
_____	5	Under Attic (Vented)	Bedroom 2	30	258 ft²	0.11	Wood
_____	6	Under Attic (Vented)	Bedroom 3	30	247 ft²	0.11	Wood
_____	7	Under Attic (Vented)	Loft	30	269 ft²	0.11	Wood
_____	8	Under Attic (Vented)	Utility	30	78 ft²	0.11	Wood
_____	9	Under Attic (Vented)	Bathroom 2	30	42 ft²	0.11	Wood
_____	10	Under Attic (Vented)	Bathroom 3	30	47 ft²	0.11	Wood
_____	11	Under Attic (Vented)	Master Bedroom	30	310 ft²	0.11	Wood
_____	12	Under Attic (Vented)	Closet HIS	30	32 ft²	0.11	Wood
_____	13	Under Attic (Vented)	Master Bathroom	30	146 ft²	0.11	Metal
_____	14	Under Attic (Vented)	Closet HER	30	59 ft²	0.11	Wood



## WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	N	Exterior	Concrete Block - Ext Insul	Living Room	5	20	8	10		206.7 ft²	0	0	0.75	0
2	W	Exterior	Concrete Block - Ext Insul	Living Room	5	17	5	10		174.2 ft²	0	0	0.75	0
3	W	Exterior	Concrete Block - Ext Insul	Dining Room	5	9		10		90.0 ft²	0	0	0.75	0
4	W	Exterior	Concrete Block - Ext Insul	Bathroom 1	5	7	5	10		74.2 ft²	0	0	0.75	0
5	S	Exterior	Concrete Block - Ext Insul	Bathroom 1	5	3	3	10		32.5 ft²	0	0	0.75	0
6	S	Exterior	Concrete Block - Ext Insul	Kitchen	5	5	2	10		51.7 ft²	0	0	0.75	0
7	W	Exterior	Concrete Block - Ext Insul	Kitchen	5	8	10	10		88.3 ft²	0	0	0.75	0
8	S	Garage	Concrete Block - Ext Insul	Kitchen	5	12	1	10		120.8 ft²	0	0	0.75	0
9	E	Exterior	Concrete Block - Ext Insul	Kitchen	5	17		10		170.0 ft²	0	0	0.75	0
10	E	Exterior	Concrete Block - Ext Insul	Dining Room	5	18	2	10		181.7 ft²	0	0	0.75	0
11	E	Exterior	Concrete Block - Ext Insul	Living Room	5	25	6.5	10		255.4 ft²	0	0	0.75	0
12	N	Exterior	Concrete Block - Ext Insul	Master Bathro	5	12	1	9	6	114.8 ft²	0	0	0.75	0
13	W	Exterior	Concrete Block - Ext Insul	Master Bedro	5	3	10	9	6	36.4 ft²	0	0	0.75	0
14	N	Exterior	Concrete Block - Ext Insul	Master Bedro	5	8	8	9	6	82.3 ft²	0	0	0.75	0
15	W	Exterior	Concrete Block - Ext Insul	Master Bedro	5	21		9	6	199.5 ft²	0	0	0.75	0
16	W	Exterior	Concrete Block - Ext Insul	Closet HIS	5	5		9	6	47.5 ft²	0	0	0.75	0
17	W	Exterior	Concrete Block - Ext Insul	Loft	5	12	11	9	6	122.7 ft²	0	0	0.75	0
18	W	Exterior	Concrete Block - Ext Insul	Bedroom 2	5	12		9	6	114.0 ft²	0	0	0.75	0
19	W	Exterior	Concrete Block - Ext Insul	Bathroom 2	5	8		9	6	76.0 ft²	0	0	0.75	0
20	W	Exterior	Concrete Block - Ext Insul	Bathroom 3	5	8		9	6	76.0 ft²	0	0	0.75	0
21	S	Exterior	Concrete Block - Ext Insul	Bathroom 3	5	7	1	9	6	67.3 ft²	0	0	0.75	0
22	S	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	3		9	6	28.5 ft²	0	0	0.75	0
23	W	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	2	3	9	6	21.4 ft²	0	0	0.75	0
24	S	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	10	3	9	6	97.4 ft²	0	0	0.75	0
25	E	Exterior	Concrete Block - Ext Insul	Bedroom 3	5	19	7	9	6	186.0 ft²	0	0	0.75	0
26	E	Exterior	Concrete Block - Ext Insul	Bedroom 2	5	11	7	9	6	110.0 ft²	0	0	0.75	0
27	E	Exterior	Concrete Block - Ext Insul	Loft	5	4	3	9	6	40.4 ft²	0	0	0.75	0
28	E	Exterior	Concrete Block - Ext Insul	Utility	5	8	6	9	6	80.8 ft²	0	0	0.75	0
29	E	Exterior	Concrete Block - Ext Insul	Closet HER	5	11	2	9	6	106.1 ft²	0	0	0.75	0
30	E	Exterior	Concrete Block - Ext Insul	Master Bathro	5	18	1	9	6	171.8 ft²	0	0	0.75	0

## DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	S	Wood	Kitchen	None	.46	4	4	8		34.7 ft²
2	S	Wood	Kitchen	None	.46	3		8		24 ft²
3	S	Wood	Bedroom 3	None	.46	3		8		24 ft²

**WINDOWS**

Orientation shown is the entered, Proposed orientation.

✓	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Depth	Overhang Separation	Int Shade	Screening
_____	1	N	1	Metal	Single (Clear)	Yes	0.55	0.35	128.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	2	W	2	Metal	Single (Clear)	Yes	0.55	0.35	34.2 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	3	W	4	Metal	Single (Clear)	Yes	0.55	0.35	5.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	4	W	7	Metal	Single (Clear)	Yes	0.55	0.35	19.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	5	N	12	Metal	Single (Clear)	Yes	0.55	0.35	13.0 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	6	N	14	Metal	Single (Clear)	Yes	0.55	0.35	69.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	7	W	15	Metal	Single (Clear)	Yes	0.55	0.35	34.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	8	W	17	Metal	Single (Clear)	Yes	0.55	0.35	17.4 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	9	W	18	Metal	Single (Clear)	Yes	0.55	0.35	17.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	10	W	19	Metal	Single (Clear)	Yes	0.55	0.35	5.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	11	W	20	Metal	Single (Clear)	Yes	0.55	0.35	5.7 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None
_____	12	S	24	Metal	Single (Clear)	Yes	0.55	0.35	17.3 ft²	2 ft 0 in	2 ft 0 in	Drapes/blinds	None

**GARAGE**

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	416.6 ft²	384 ft²	40.83 ft	10 ft	5

**INFILTRATION**

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Proposed ACH(50)	.000308	1901.3	104.38	196.3	.2123	5

**HEATING SYSTEM**

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Strip Heat	None	COP:1	36 kBtu/hr	1	sys#1
_____	2	Electric Strip Heat	None	COP:1	36 kBtu/hr	2	sys#2

**COOLING SYSTEM**

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit	None	SEER: 16	41 kBtu/hr	1230 cfm	0.85	1	sys#1
_____	2	Central Unit	None	SEER: 16	41 kBtu/hr	1230 cfm	0.85	2	sys#2

**HOT WATER SYSTEM**

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Garage	0.97	40 gal	60.00041	120 deg	None

**SOLAR HOT WATER SYSTEM**

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

**DUCTS**

✓	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25 TOT	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	235.6 ft	Attic	58.9 ft²	Default Leakage	Utility	(Default)	(Default)			1	1
_____	2	Attic	6	235.6 ft	Attic	58.9 ft²	Default Leakage	Utility	(Default)	(Default)			2	2

**TEMPERATURES**

Programable Thermostat: None

Ceiling Fans:

Cooling	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input type="checkbox"/> Oct	<input type="checkbox"/> Nov	<input type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input type="checkbox"/> Jan	<input type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input type="checkbox"/> May	<input type="checkbox"/> Jun	<input type="checkbox"/> Jul	<input type="checkbox"/> Aug	<input type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec

Thermostat Schedule: HERS 2006 Reference

Hours

Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68



# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX\* = 99

The lower the EnergyPerformance Index, the more efficient the home.

927 SW 2nd Ct (Unit A), Fort Lauderdale, FL, 33312

1. New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Concrete Block - Ext Insul, Exterior	R=5.0	3103.50 ft <sup>2</sup>
3. Number of units, if multiple family	1	b. Concrete Block - Ext Insul, Adjacent	R=5.0	120.83 ft <sup>2</sup>
4. Number of Bedrooms	3	c. N/A	R=	ft <sup>2</sup>
5. Is this a worst case?	No	d. N/A	R=	ft <sup>2</sup>
6. Conditioned floor area (ft <sup>2</sup> )	2356	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	2356.00 ft <sup>2</sup>
a. U-Factor:	Sgl, U=0.55	b. N/A	R=	ft <sup>2</sup>
SHGC:	SHGC=0.35	c. N/A	R=	ft <sup>2</sup>
b. U-Factor:	N/A	11. Ducts		R ft <sup>2</sup>
SHGC:		a. Sup: Attic, Ret: Attic, AH: Utility	6	235.6
c. U-Factor:	N/A	b. Sup: Attic, Ret: Attic, AH: Utility	6	235.6
SHGC:		12. Cooling systems	kBtu/hr	Efficiency
d. U-Factor:	N/A	a. Central Unit	41.0	SEER:16.00
SHGC:		b. Central Unit	41.0	SEER:16.00
Area Weighted Average Overhang Depth:	2.000 ft.	13. Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.350	a. Electric Strip Heat	36.0	COP:1.00
8. Floor Types	Insulation	b. Electric Strip Heat	36.0	COP:1.00
a. Slab-On-Grade Edge Insulation	R=0.0	14. Hot water systems		Cap: 40 gallons
b. N/A	R=	a. Electric		EF: 0.97
c. N/A	R=	b. Conservation features		None
		None		
		15. Credits		None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_ City/FL Zip: \_\_\_\_\_



\*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at [energygauge.com](http://energygauge.com) for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

\*\*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX\* = 99

The lower the EnergyPerformance Index, the more efficient the home.

927 SW 2nd Ct (Unit B), Fort Lauderdale, FL, 33312

1. New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family	a. Concrete Block - Ext Insul, Exterior	R=5.0	3103.50 ft <sup>2</sup>
3. Number of units, if multiple family	1	b. Concrete Block - Ext Insul, Adjacent	R=5.0	120.83 ft <sup>2</sup>
4. Number of Bedrooms	3	c. N/A	R=	ft <sup>2</sup>
5. Is this a worst case?	No	d. N/A	R=	ft <sup>2</sup>
6. Conditioned floor area (ft <sup>2</sup> )	2356	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	2356.00 ft <sup>2</sup>
a. U-Factor:	Sgl, U=0.55	b. N/A	R=	ft <sup>2</sup>
SHGC:	SHGC=0.35	c. N/A	R=	ft <sup>2</sup>
b. U-Factor:	N/A	11. Ducts		R ft <sup>2</sup>
SHGC:		a. Sup: Attic, Ret: Attic, AH: Utility	6	235.6
c. U-Factor:	N/A	b. Sup: Attic, Ret: Attic, AH: Utility	6	235.6
SHGC:		12. Cooling systems	kBtu/hr	Efficiency
d. U-Factor:	N/A	a. Central Unit	41.0	SEER:16.00
SHGC:		b. Central Unit	41.0	SEER:16.00
Area Weighted Average Overhang Depth:	2.000 ft.	13. Heating systems	kBtu/hr	Efficiency
Area Weighted Average SHGC:	0.350	a. Electric Strip Heat	36.0	COP:1.00
8. Floor Types	Insulation	b. Electric Strip Heat	36.0	COP:1.00
a. Slab-On-Grade Edge Insulation	R=0.0	14. Hot water systems		Cap: 40 gallons
b. N/A	R=	a. Electric		EF: 0.97
c. N/A	R=	b. Conservation features		
		None		
		15. Credits		None

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_ City/FL Zip: \_\_\_\_\_



\*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at [energygauge.com](http://energygauge.com) for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

\*\*Label required by Section R303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.



# Florida Department of Business and Professional Regulations Residential Whole Building Performance and Prescriptive Methods

ADDRESS: 927 SW 2nd Ct  
Fort Lauderdale, FL, 33312

Permit Number:

## MANDATORY REQUIREMENTS See individual code sections for full details.

✓ **401.3 Energy Performance Level (EPL) display card (Mandatory).** The building official shall require that an energy performance level (EPL) display card be completed and certified by the builder to be accurate and correct before final approval of the building for occupancy. Florida law [Section 553.9085, Florida Statutes] requires the EPL display card to be included as an addendum to each sales contract for both presold and nonpresold residential buildings. The EPL display card contains information indicating the energy performance level and efficiencies of components installed in a dwelling unit. The building official shall verify that the EPL display card completed and signed by the builder accurately reflects the plans and specifications submitted to demonstrate compliance for the building. A copy of the EPL display card can be found in Appendix C.

✓ **R402.4 Air leakage (Mandatory).** The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of Sections R402.1 through R402.4.4.

**R402.4.1 Building thermal envelope.** The building thermal envelope shall comply with Sections R402.4.1.1 and R402.4.1.2. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.

- **R402.4.1.1 Installation.** The components of the building thermal envelope as listed in Table R402.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in Table 402.4.1.1, as applicable to the method of construction. Where required by the code official, an approved third party shall inspect all components and verify compliance.
- **R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 5 air changes per hour in Climate Zones 1 and 2, and 3 air changes per hour in Climate Zones 3 through 8. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). Where required by the code official, testing shall be conducted by an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.

During testing:

1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures;
2. Dampers including exhaust, intake, makeup air, backdraft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures;
3. Interior doors, if installed at the time of the test, shall be open;
4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed;
5. Heating and cooling systems, if installed at the time of the test, shall be turned off; and
6. Supply and return registers, if installed at the time of the test, shall be fully open.

**R402.4.2 Fireplaces.** New wood-burning fireplaces shall have tight-fitting flue dampers and outdoor combustion air.

**R402.4.3 Fenestration air leakage.** Windows, skylights and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m<sup>2</sup>), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m<sup>2</sup>), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.

**Exception:** Site-built windows, skylights and doors.

**R402.4.4 Recessed lighting.** Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E 283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

✓ **R403.1.1 Thermostat provision (Mandatory).** At least one thermostat shall be provided for each separate heating and cooling system.

✓ **R403.1.3 Heat pump supplementary heat (Mandatory).** Heat pumps having supplementary electric-resistance heat shall have controls that, except during defrost, prevent supplemental heat operation when the heat pump compressor can meet the heating load.

✓ **R403.2.2 Sealing (Mandatory)** All ducts, air handlers, and filter boxes and building cavities that form the primary air containment passageways for air distribution systems shall be considered ducts and plenum chambers, shall be constructed and sealed in accordance with Section C403.2.7.2 of the Commercial Provisions of this code and shall be shown to meet duct tightness criteria by post-construction or rough-in testing below.

Duct tightness shall be verified by testing to Section 803 of the RESNET Standards by either an energy rater certified in accordance with Section 553.99, Florida Statutes, or as authorized by Florida Statutes, to be "substantially leak free" by either of the following:

1. Post-construction test: Total leakage shall be less than or equal to 4 cfm (113 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.
2. Rough-in test: Total leakage shall be less than or equal to 4 cfm (113 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area when tested at a pressure differential of 0.1 inches w.g. (25Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 3 cfm (85 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area.

Exceptions:

1. The total leakage test is not required for ducts and air handlers located entirely within the building envelope.
2. Duct testing is not mandatory for buildings complying by Section R405 of this code.



**MANDATORY REQUIREMENTS - (Continued)**

**R403.2.2.1 Sealed air handler.** Air handlers shall have a manufacturer's designation for an air leakage of no more than 2 percent of the design air flow rate when tested in accordance with ASHRAE 193.

**R403.2.3 Building Cavities (Mandatory).** Building framing cavities shall not be used as ducts or plenums.

**R403.3 Mechanical system piping insulation (Mandatory).** Mechanical system piping capable of carrying fluids above 105°F (41°C) or below 55°F (13°C) shall be insulated to a minimum of R-3.

**R403.3.1 Protection of piping insulation.** Piping insulation exposed to weather shall be protected from damage, including that caused by sunlight, moisture, equipment maintenance, and wind, and shall provide shielding from solar radiation that can cause degradation of the material. Adhesive tape shall not be permitted.

**R403.4.1 Circulating hot water systems (Mandatory).** Circulating hot water systems shall be provided with an automatic or readily accessible manual switch that can turn off the hot-water circulating pump when the system is not in use.

**R403.4.3 Heat traps (Mandatory).** Storage water heaters not equipped with integral heat traps and having vertical pipe risers shall have heat traps installed on both the inlets and outlets. External heat traps shall consist of either a commercially available heat trap or a downward and upward bend of at least 3 ½ inches (89 mm) in the hot water distribution line and cold water line located as close as possible to the storage tank.

**R403.4.4 Water heater efficiencies (Mandatory).** Water heater efficiencies

**R403.4.4.1 Storage water heater temperature controls**

- **R403.4.4.1.1 Automatic controls.** Service water heating systems shall be equipped with automatic temperature controls capable of adjustment from the lowest to the highest acceptable temperature settings for the intended use. The minimum temperature setting range shall be from 100°F to 140°F (38°C to 60°C).
- **R403.4.4.1.2 Shut down.** A separate switch or a clearly marked circuit breaker shall be provided to permit the power supplied to electric service systems to be turned off. A separate valve shall be provided to permit the energy supplied to the main burner(s) of combustion types of service water heating systems to be turned off.

**R403.4.4.2 Water heating equipment.** Water heating equipment installed in residential units shall meet the minimum efficiencies of Table C404.2 in Chapter 4 of the Florida Building Code, Energy Conservation, Commercial Provisions, for the type of equipment installed. Equipment used to provide heating functions as part of a combination system shall satisfy all stated requirements for the appropriate water heating category. Solar water heaters shall meet the criteria Section R403.4.4.2.1.

- **R403.4.4.2.1 Solar water heating systems.** Solar systems for domestic hot water production are rated by the annual solar energy factor of the system. The solar energy factor of a system shall be determined from the Florida Solar Energy Center Directory of Certified Solar Systems. Solar collectors shall be tested in accordance with ISO Standard 9806, Test Methods for Solar Collectors, and SRCC Standard TM-1, Solar Domestic Hot Water System and Component Test Protocol. Collectors in installed solar water heating systems should meet the following criteria:
  1. Be installed with a tilt angle between 10 degrees and 40 degrees of the horizontal; and
  2. Be installed at an orientation within 45 degrees of true south.

**R403.5 Mechanical ventilation (Mandatory).** The building shall be provided with ventilation that meets the requirements of the Florida Building Code, Residential or Florida Building Code, Mechanical, as applicable, or with other approved means of ventilation. Outdoor air intakes and exhausts shall have automatic or gravity dampers that close when the ventilation system is not operating.

**R403.5.1 Whole-house mechanical ventilation system fan efficacy.** Mechanical ventilation system fans shall meet the efficacy requirements of Table R403.5.1.

**Exception:** Where mechanical ventilation fans are integral to tested and listed HVAC equipment, they shall be powered by an electronically commutated motor.

**R403.5.2 Ventilation air.** Residential buildings designed to be operated at a positive indoor pressure or for mechanical ventilation shall meet the following criteria:

1. The design air change per hour minimums for residential buildings in ASHRAE 62, Ventilation for Acceptable Indoor Air Quality, shall be the maximum rates allowed for residential applications.
2. No ventilation or air-conditioned system make air shall be provided to conditioned space from attics, crawlspaces, attached closed garages or outdoor spaces adjacent to swimming pools or spas.
3. If ventilation air is drawn from enclosed spaces(s), then the walls of the space(s) from which air is drawn shall be insulated to a minimum of R-11 and the ceiling shall be insulated to a minimum of R-19, space permitting, or R-10 otherwise.

**R403.6 Heating and cooling equipment (Mandatory).** The following sections are mandatory for cooling and heating equipment.

**R403.6.1 Equipment sizing.** Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on the equipment loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies, based on building loads for the directional orientation of the building. The manufacturer and model number of the outdoor and indoor units (if split system) shall be submitted along with the sensible and total cooling capacities at the design conditions described in Section R302.1. This code does not allow designer safety factors, provisions for future expansion or other factors which affect equipment sizing. System sizing calculations shall not include loads created by local intermittent mechanical ventilation such as standard kitchen and bathroom exhaust systems.

- **R403.6.1.1 Cooling equipment capacity.** Cooling only equipment shall be selected so that its total capacity is not less than the calculated total load, but not more than 1.15 times greater than the total load calculated according to the procedure selected in Section 403.6, or the closest available size provided by the manufacturer's product lines. The corresponding latent capacity of the equipment shall not be less than the calculated latent load.



**MANDATORY REQUIREMENTS - (Continued)**

**R403.6.1.1 Cooling equipment capacity. (continued)** The published value for AHRI total capacity is a nominal, rating-test value and shall not be used for equipment sizing. Manufacturer's expanded performance data shall be used to select cooling-only equipment. This selection shall be used to select cooling-only equipment. This selection shall be based on the outdoor design dry bulb temperature for the load calculation (or entering water temperature for water-source equipment), the blower cfm provided by the expanded performance data, the design value for entering wet bulb temperature and the design value for entering dry bulb temperature.

Design values for entering wet bulb and dry bulb temperature shall be for the indoor dry bulb and relative humidity used for the load calculation and shall be adjusted for return side gains if the return duct(s) is installed in an unconditioned space.

Exceptions:

1. Attached single- and multi-family residential equipment sizing may be selected so that its cooling capacity is less than the calculated total sensible load but not less than 80 percent of that load.
2. When signed and sealed by a Florida-registered engineer, in attached single- and multi-family units, the capacity of equipment may be sized in accordance with good design practice.

**R403.6.1.2 Heating equipment capacity**

- **R403.6.1.2.1 Heat pumps.** Heat pumps sizing shall be based on the cooling requirements as calculated according to Section R403.6.1.1 and the heat pump total cooling capacity shall not be more than 1.15 times greater than the design cooling load.
- **R403.6.1.2.2 Electric resistance furnaces.** Electric resistance furnaces shall be sized within 4 kW of the design requirements calculated according to the procedure selected in Section R403.6.1.
- **R403.6.1.2.3 Fossil fuel heating equipment.** The capacity of fossil fuel heating equipment with natural draft atmospheric burners shall not be less than the design load calculated in accordance with Section R403.6.1.

**R403.6.1.3 Extra capacity required for special occasions.** Residences requiring excess cooling or heating equipment capacity on an intermittent basis, such as anticipated additional loads caused by major entertainment events, shall have equipment sized or controlled to prevent continuous space cooling or heating within that space by one or more of the following options:

1. A separate cooling or heating system is utilized to provide cooling or heating to the major entertainment areas.
2. A variable capacity system sized for optimum performance during base load periods is utilized.

**R403.7 Systems serving multiple dwelling units (Mandatory).** Systems serving multiple dwelling units shall comply with Sections C403 and C404 of the Commercial Provisions in lieu of Section R403.

**R403.8 Snow melt system controls (Mandatory).** Snow and ice-melting systems, supplied through energy service to the building, shall include automatic controls capable of shutting off the system when the pavement temperature is above 55°F, and no precipitation is falling and an automatic or manual control that will allow shutoff when the outdoor temperature is above 40°F.

**R403.9 Swimming pools, inground spas and portable spas (Mandatory).** The energy requirements for residential pools and inground spas shall be as specified in Sections R403.9.1 through R403.9.3 and in accordance with ANSI/APSP-15. The energy requirements for portable spas shall be in accordance with ANSI/APSP-14.

**R403.9.1 Pool and spa heaters.** All pool heaters shall be equipped with a readily accessible on-off switch that is mounted outside the heater to allow shutting off the heater without adjusting the thermostat setting.

- **R403.9.1.1 Gas and oil-fired pool and spa heaters.** All gas- and oil-fired pool and space heaters shall have a minimum thermal efficiency of 82 percent for heaters manufactured on or after April 16, 2013 when tested in accordance with ANSI Z 21.56. Pool heaters fired by natural gas or LP gas shall not have continuously burning pilot lights.
- **R403.9.1.2 Heat pump pool heaters.** Heat pump pool heaters shall have a minimum COP of 4.0 when tested in accordance with AHRI 1160, Table 2, Standard Rating Conditions-Low Air Temperature. A test report from an independent laboratory is required to verify procedure compliance. Geothermal swimming pool heat pumps are not required to meet this standard.


**R403.9.2 Time switches.** Time switches or other control method that can automatically turn off and on heaters and pumps according to a preset schedule shall be installed on all heaters and pumps. Heaters, pumps and motors that have built in timers shall be deemed in compliance with this equipment.

Exceptions:

- 1. Where public health standards require 24-hour pump operations.
- 2. Where pumps are required to operate solar- and waste-heat-recovery pool heating systems.
- 3. Where pumps are powered exclusively from on-site renewable generation.


**R403.9.3 Covers.** Heated swimming pools and inground permanently installed spas shall be equipped with a vapor-retardant cover on or at the water surface or a liquid cover or other means proven to reduce heat loss.

- **Exception:** Outdoor pools deriving over 70 percent of the energy for heating from site-recovered energy, such as a heat pump or solar energy source computed over an operating season.

 **RR404.1 Lighting equipment (Mandatory).** A minimum of 75 percent of the lamps in permanently installed lighting fixtures shall be high-efficacy lamps or a minimum of 75 percent of permanently installed lighting fixtures shall contain only high efficacy lamps.

**Exception:** Low-voltage lighting shall not be required to utilize high-efficacy lamps.

**R404.1.1 Lighting equipment (Mandatory).** Fuel gas lighting systems shall not have continuously burning pilot lights

 **R405.2 Performance ONLY.** All ducts not entirely inside the building thermal envelope shall be insulated to a minimum of R-6.

**R405.2.1 Performance ONLY.** Ceilings shall have minimum insulation of R-19. Where single assembly of the exposed deck and beam type or concrete deck roofs do not have sufficient space, R-10 is allowed.



## TABLE 402.4.1.1

## AIR BARRIER AND INSULATION INSPECTION COMPONENT CRITERIA

Project Name:	New 2-Story Duplex	Builder Name:	
Street:	927 SW 2nd Ct	Permit Office:	
City, State, Zip:	Fort Lauderdale , FL , 33312	Permit Number:	
Owner:		Jurisdiction:	
Design Location:	FL, Fort Lauderdale		

COMPONENT	CRITERIA	CHECK
Air barrier and thermal barrier	A continuous air barrier shall be installed in the building envelope. Exterior thermal envelope contains a continuous barrier. Breaks or joints in the air barrier shall be sealed. Air-permeable insulation shall not be used as a sealing material.	✓
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	✓
Walls	Corners and headers shall be insulated and the junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top or exterior walls shall be sealed. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier. Knee walls shall be sealed.	✓
Windows, skylights and doors	The space between window/door jambs and framing and skylights and framing shall be sealed.	✓
Rim joists	Rim joists are insulated and include an air barrier.	✓
Floors (including above-garage and cantilevered floors)	Insulation shall be installed to maintain permanent contact with underside of subfloor decking. The air barrier shall be installed at any exposed edge of insulation.	✓
Crawl space walls	Where provided in lieu of floor insulation, insulation shall be permanently attached to the crawlspace walls. Exposed earth in unvented crawl spaces shall be covered with a Class I vapor retarder with overlapping joints taped.	
Shafts, penetrations	Duct shafts, utility penetrations, and flue shaft openings to exterior or unconditioned space shall be sealed.	✓
Narrow cavities	Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity spaces.	✓
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.	✓
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be air tight, IC rated, and sealed to the drywall.	✓
Plumbing and wiring	Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.	✓
Shower/tub on exterior wall	Exterior walls adjacent to showers and tubs shall be insulated and the air barrier installed separating them from the showers and tubs.	✓
Electrical/phone box on	The air barrier shall be installed behind electrical or communication boxes or air sealed boxes shall be installed.	✓
HVAC register boots	HVAC register boots that penetrate building thermal envelope shall be sealed to the sub-floor or drywall.	✓
Fireplace	An air barrier shall be installed on fireplace walls. Fireplaces shall have gasketed doors	



*Two Story Duplex  
HVAC Load Calculations*

for

Emerson  
927 SW 2ND Court Unit A  
Fort Lauderdale, FL 33312



**RHVAC RESIDENTIAL  
HVAC LOADS**

Prepared By:

Lillian Gonzalez

Tuesday, November 01, 2016

Rhvac is an ACCA approved Manual J and Manual D computer program.  
Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.



## Project Report

### General Project Information

Project Title: Two Story Duplex  
 Designed By: BECS  
 Project Date: Friday, October 28, 2016  
 Client Name: Emerson  
 Client Address: 927 SW 2ND Court Unit A  
 Client City: Fort Lauderdale, FL 33312  
 Company Representative: Lillian Gonzalez

### Design Data

Reference City: Fort Lauderdale, Florida  
 Building Orientation: Front door faces North  
 Daily Temperature Range: Low  
 Latitude: 26 Degrees  
 Elevation: 10 ft.  
 Altitude Factor: 1.000

	Outdoor Dry Bulb	Outdoor Wet Bulb	Outdoor Rel.Hum	Indoor Rel.Hum	Indoor Dry Bulb	Grains Difference
Winter:	50	46.92	n/a	n/a	70	n/a
Summer:	90	78	59%	50%	75	61

### Check Figures

Total Building Supply CFM:	2,665	CFM Per Square ft.:	1.131
Square ft. of Room Area:	2,356	Square ft. Per Ton:	423
Volume (ft <sup>3</sup> ) of Cond. Space:	22,816		

### Building Loads

Total Heating Required Including Ventilation Air:	43,941 Btuh	43.941 MBH
Total Sensible Gain:	60,895 Btuh	91 %
Total Latent Gain:	5,994 Btuh	9 %
Total Cooling Required Including Ventilation Air:	66,889 Btuh	5.57 Tons (Based On Sensible + Latent)

### Notes

Rhvac is an ACCA approved Manual J and Manual D computer program.  
 Calculations are performed per ACCA Manual J 8th Edition, Version 2, and ACCA Manual D.  
 All computed results are estimates as building use and weather may vary.  
 Be sure to select a unit that meets both sensible and latent loads according to the manufacturer's performance data at your design conditions.



## Load Preview Report

Scope	Net Ton	ft. <sup>2</sup> /Ton	Area	Sen Gain	Lat Gain	Net Gain	Sen Loss	Sys Htg CFM	Sys Clg CFM	Sys Act CFM	Duct Size
Building	5.57	423	2,356	60,895	5,994	66,889	43,941	566	2,665	2,665	
System 1	2.74	317	869	30,542	2,363	32,905	19,249	250	1,389	1,389	12x19
Supply Duct Latent					719	719					
Zone 1			869	30,542	1,644	32,186	19,249	250	1,389	1,389	12x19
1-Living			365	18,438	409	18,847	10,231	133	838	838	8--6
2-Dining			172	1,688	120	1,808	1,861	24	77	77	1--5
3-Kitchen			294	9,067	1,015	10,082	5,531	72	412	412	4--6
4-Bath 1			37	1,348	100	1,448	1,626	21	61	61	1--4
System 2	2.83	525	1,487	30,353	3,631	33,985	24,692	316	1,276	1,276	12x18
Supply Duct Latent					578	578					
Return Duct				2,283	889	3,173	389				
Zone 2			1,487	28,070	2,164	30,234	24,303	316	1,276	1,276	12x18
5-Master Bedroom			310	6,074	388	6,462	3,626	47	276	276	3--6
6-Master Bath			146	3,550	306	3,856	4,488	58	161	161	2--5
7-WIC Hers			59	860	79	939	1,082	14	39	39	1--4
8-Utility			78	1,612	104	1,716	950	12	73	73	1--5
9-WIC His			32	522	49	571	683	9	24	24	1--4
10-Loft			269	3,717	155	3,872	2,731	35	169	169	2--5
11-Bedroom 2			258	4,544	415	4,959	3,514	46	207	207	2--6
12-Bath 2			42	1,276	69	1,345	1,095	14	58	58	1--4
13-Bath 3			47	1,785	123	1,908	1,808	23	81	81	1--5
14-Bedroom 3			247	4,129	476	4,605	4,326	56	188	188	2--6



**System 1 Room Load Summary**

Room No	Room Name	Area SF	Htg Sens Btuh	Min Htg CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Min Clg CFM	Act Sys CFM
---Zone 1---										
1	Living	365	10,231	133	8-6	534	18,438	409	838	838
2	Dining	172	1,861	24	1-5	563	1,688	120	77	77
3	Kitchen	294	5,531	72	4-6	525	9,067	1,015	412	412
4	Bath 1	37	1,626	21	1-4	703	1,348	100	61	61
Duct Latent								719		
System 1 total		869	19,249	250			30,542	2,363	1,389	1,389

System 1 Main Trunk Size: 12x19 in.  
 Velocity: 877 ft./min  
 Loss per 100 ft.: 0.105 in.wg

**Cooling System Summary**

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	2.74	93% / 7%	30,542	2,363	32,905
Actual:	3.42	75% / 25%	30,750	10,250	41,000

**Equipment Data**

	Heating System	Cooling System
Type:	Electric Resistance	Standard Air Conditioner
Model:		GSX160421F*
Indoor Model:		ASPT49D14A*
Brand:		GOODMAN
JANITROL		
AMANA DISTINCTIONS		
EVERREST		
ONE HOUR AIR CONDITIONING AND HEATING		
ENERGI AIR		
Efficiency:	0%	16 SEER
Sound:	0	0
Capacity:	0 Btuh	41,000 Btuh
Sensible Capacity:	n/a	30,750 Btuh
Latent Capacity:	n/a	10,250 Btuh
AHRI Reference No.:	n/a	8242080



## System 2 Room Load Summary

Room No	Room Name	Area SF	Htg Sens Btuh	Min Htg CFM	Run Duct Size	Run Duct Vel	Clg Sens Btuh	Clg Lat Btuh	Min Clg CFM	Act Sys CFM
---Zone 2---										
5	Master Bedroom	310	3,626	47	3-6	469	6,074	388	276	276
6	Master Bath	146	4,488	58	2-5	592	3,550	306	161	161
7	WIC Hers	59	1,082	14	1-4	448	860	79	39	39
8	Utility	78	950	12	1-5	538	1,612	104	73	73
9	WIC His	32	683	9	1-4	272	522	49	24	24
10	Loft	269	2,731	35	2-5	620	3,717	155	169	169
11	Bedroom 2	258	3,514	46	2-6	526	4,544	415	207	207
12	Bath 2	42	1,095	14	1-4	665	1,276	69	58	58
13	Bath 3	47	1,808	23	1-5	595	1,785	123	81	81
14	Bedroom 3	247	4,326	56	2-6	478	4,129	476	188	188
Duct Latent									578	
Return Duct			389					889		
System 2 total		1,487	24,692	316			30,353	3,631	1,276	1,276

System 2 Main Trunk Size: 12x18 in.  
 Velocity: 851 ft./min  
 Loss per 100 ft.: 0.101 in.wg

## Cooling System Summary

	Cooling Tons	Sensible/Latent Split	Sensible Btuh	Latent Btuh	Total Btuh
Net Required:	2.83	89% / 11%	30,353	3,631	33,985
Actual:	3.42	75% / 25%	30,750	10,250	41,000

## Equipment Data

	Heating System	Cooling System
Type:	Electric Resistance	Standard Air Conditioner
Model:		GSX160421F*
Indoor Model:		ASPT49D14A*
Brand:		GOODMAN
JANITROL		
AMANA DISTINCTIONS		
EVERREST		
ONE HOUR AIR CONDITIONING		
AND HEATING		
ENERGI AIR		
Efficiency:	0%	16 SEER
Sound:	0	0
Capacity:	0 Btuh	41,000 Btuh
Sensible Capacity:	n/a	30,750 Btuh
Latent Capacity:	n/a	10,250 Btuh
AHRI Reference No.:	n/a	8242080





## Broward County Asbestos Program Certificate of Submittal

Issue Date: 11/03/2016

Asbestos SRRA ID: 0000008864

Project Name: demolition

Project Address: 927 SW 2 CT Fort Lauderdale, FL 33312

Facility/Activity: Single Family Residence / Demolition (of any load bearing structure)

Facility Owner/Operator: Vivian Brusk

Phone: 3054543894

Mailing Address: 75 N Woodward Ave #86007

Email: lcroofing@yahoo.com

Contractor Performing Work:

Phone:

Email:

Estimated Start Date: 11/17/2016

Estimated Finish Date: 11/18/2016

1. An Asbestos Survey is required in accordance with federal asbestos NESHAP regulation and Broward County Code Chapter 27.
2. If asbestos containing material is detected you must submit your asbestos survey at least 10 working days prior to commencement of work. Keep the asbestos survey on site while performing work.
3. For all demolition projects as defined by NESHAP, submit an original Notice of Demolition or Asbestos Renovation using DEP form 62-257.900(1) or electronic notification and pay appropriate fees at least ten (10) working days before start of project.
4. For all non-exempt Renovation projects: If the Asbestos Survey indicates Regulated Asbestos Containing Materials above 160 sq. ft., 260 lin. ft. or 35 cubic ft. of facility components, an original Notice of Demolition or Asbestos Renovation using DEP form 62-257.900(1) or electronic Notification must be completed and submitted and appropriate fees paid at least ten (10) working days before start of project.
5. If asbestos survey indicates less than 160 sq. ft., 260 lin. Ft. of 35 cubic ft. of asbestos containing materials (ACM), the Occupational Health and Safety Act (OSHA) requirements will still apply.  
OSHA Self-Inspection Checklist: <https://www.osha.gov/SLTC/asbestos/checklist.html>

Statement of Responsibilities Regarding Asbestos was electronically signed by:

EPERMITSQUEST

11/3/2016

Applicant

Date

Received by: Heather Horn

11/03/2016



# City of Fort Lauderdale

5 SEP '16 PM 12:10

15 SEP '16 PM 12:10

Prior to the issuance of the **Demolition Permit**, this form must be completed and taken to the **Water Department** to be stamped.

Name of Applicant: NJ Thomson Inc (by Vivian Brusk)

Owner's Name: NJ Thomson Inc

Owner's Phone: (786) 766-0697, or (917) 617-6518 - Vivian  
astramanagementinc@gmail.com

Contractor's Name: L Cortes Construction Serv LLC

Contractor's Phone: (305) 454-3898 or (954) 649-1275 Emerson

Job Address(es): 927 SW 2 Court (or Middle Street), Fort Lauderdale FL 33306

Account or Location Number: no account. 927 SW 2 Court (or Middle Street), Fort Lauderdale FL 33306

Please check the appropriate box or boxes: **\*Remove water meter is required** unless special permission is obtained from the Manager of Distribution and Collection.

<input checked="checked" type="checkbox"/>	Remove Water Meter
<input checked="checked" type="checkbox"/>	Keep Service Line (City Side)
<input type="checkbox"/>	Remove Service Line (City Side)

Signature: 

Please return this stamped form to:

Sustainable Development  
700 NW 19<sup>th</sup> Avenue  
Fort Lauderdale, FL 33311  
(954) 828 - 6520





## Broward County Asbestos Program Certificate of Submittal

Issue Date: 11/03/2016

Asbestos SRRA ID: 0000008864

Project Name: demolition

Project Address: 927 SW 2 CT Fort Lauderdale, FL 33312

Facility/Activity: Single Family Residence / Demolition (of any load bearing structure)

Facility Owner/Operator: Vivian Brusk

Phone: 3054543894

Mailing Address: 75 N Woodward Ave #86007

Email: lcroofing@yahoo.com

Contractor Performing Work:

Phone:

Email:

Estimated Start Date: 11/17/2016

Estimated Finish Date: 11/18/2016

1. An Asbestos Survey is required in accordance with federal asbestos NESHAP regulation and Broward County Code Chapter 27.
2. If asbestos containing material is detected you must submit your asbestos survey at least 10 working days prior to commencement of work. Keep the asbestos survey on site while performing work.
3. For all demolition projects as defined by NESHAP, submit an original Notice of Demolition or Asbestos Renovation using DEP form 62-257.900(1) or electronic notification and pay appropriate fees at least ten (10) working days before start of project.
4. For all non-exempt Renovation projects: If the Asbestos Survey indicates Regulated Asbestos Containing Materials above 160 sq. ft., 260 lin. ft. or 35 cubic ft. of facility components, an original Notice of Demolition or Asbestos Renovation using DEP form 62-257.900(1) or electronic Notification must be completed and submitted and appropriate fees paid at least ten (10) working days before start of project.
5. If asbestos survey indicates less than 160 sq. ft., 260 lin. Ft. of 35 cubic ft. of asbestos containing materials (ACM), the Occupational Health and Safety Act (OSHA) requirements will still apply.  
OSHA Self-Inspection Checklist: <https://www.osha.gov/SLTC/asbestos/checklist.html>

Statement of Responsibilities Regarding Asbestos was electronically signed by:

EPERMITSGUEST

11/3/2016

Applicant

Date

Received by: Heather Horn

11/03/2016



Site Address	927 SW 2 COURT, FORT LAUDERDALE	ID #	5042 09 09 1540
Property Owner	NJ THOMSON INC %ASTRA	Millage	0312
Mailing Address	75 N WOODWARD AVE #86007 TALLAHASSEE FL 32313	Use	01
Abbreviated Legal Description	WAVERLY PLACE 2-19 D LOT 13,14 & E 5 OF LOT 15 & S1/2 VAC ALLEY LYING S SAID LOTS BLK 114		

The just values displayed below were set in compliance with Sec. 193.011, Fla. Stat., and include a reduction for costs of sale and other adjustments required by Sec. 193.011(8).

Property Assessment Values					
Click here to see 2016 Exemptions and Taxable Values to be reflected on the Nov. 1, 2016 tax bill.					
Year	Land	Building	Just / Market Value	Assessed / SOH Value	Tax
2017	\$39,340	\$134,320	\$173,660	\$173,660	
2016	\$39,340	\$134,320	\$173,660	\$173,660	\$3,564.70
2015	\$39,340	\$110,340	\$149,680	\$109,750	\$1,578.56

**IMPORTANT:** The 2017 values currently shown are "roll over" values from 2016. These numbers will change frequently online as we make various adjustments until they are finalized on June 1. Please check back here AFTER June 1, 2017, to see the actual proposed 2017 assessments and portability values.

2017 Exemptions and Taxable Values by Taxing Authority				
	County	School Board	Municipal	Independent
Just Value	\$173,660	\$173,660	\$173,660	\$173,660
Portability	0	0	0	0
Assessed/SOH	\$173,660	\$173,660	\$173,660	\$173,660
Homestead	0	0	0	0
Add. Homestead	0	0	0	0
Wid/Vet/Dis	0	0	0	0
Senior	0	0	0	0
Exempt Type	0	0	0	0
Taxable	\$173,660	\$173,660	\$173,660	\$173,660

Sales History				Land Calculations		
Date	Type	Price	Book/Page or CIN	Price	Factor	Type
4/12/2016	CET-D	\$114,500	113675268	\$5.50	7,152	SF
5/25/2005	QCD	\$34,000	42098 / 719			
5/15/2000	QCD	\$100	30609 / 909			
5/15/1998	WD	\$103,300	28278 / 621			
1/1/1994	WD	\$100	21617 / 384			
				Adj. Bldg. S.F. (Card, Sketch)		779
				Units/Beds/Baths		1/2/1

Special Assessments								
Fire	Garb	Light	Drain	Impr	Safe	Storm	Clean	Misc



03								
R								
1								