



City of Belle Isle Job Site Card Window/Door PERMIT 2018-04-053

PERMIT MUST BE POSTED ON SITE - A permit expires in 6 months if approved inspections are not recorded /schedule within that time frame. **You are responsible for scheduling and keeping track of all inspections.**

Permit Number: 2018-04-053

Issue Date: 4/20/2018

Site Address: 2814 Trentwood Blvd 32809

Parcel Number: 30-23-30-1884-01-010

Subdivision:

Class: Residential

Description of Work: Size for Size 8 Windows

Issued To: FLORIDA HOME-IMPROVEMENT ASSOCIATES INC

Business Phone: 957 792-4715

Name: BURNETT, WAYNE THOMAS

Contractor License: CGC061890

Payment Date & Method: 4/20/2018

Visa Master Card Amex Discover Check / Money Order # 37406

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

BUILDING INSPECTOR DATE COMMENTS

BUILDING	INSPECTOR	DATE	COMMENTS
900 In Progress			
910 Final			

Inspection requests are to be emailed to BI DScheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 4pm.** Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. **AM or PM may be requested but cannot be guaranteed. Inspection results will be sent out the following business day.** A permit expires in 6 months if approved inspections are not recorded /scheduled within that time frame. **You are responsible for scheduling and keeping track of all your inspections -**

Universal Engineering Sciences - 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com



City of Belle Isle
 Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

RECEIVED
 APR 20 2018

APPLICATION FOR SIZE-FOR-SIZE WINDOW / DOOR PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: 4-20-18

PERMIT NUMBER 2018-04-053

PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 2814 Trentwood Blvd Orlando, Fl, Belle Isle, FL 32809 32812
 Property Owner Lynch Maggie, Santiago George, Doneff John E Phone 407-452-2738
 Property Owner's Mailing Address 2814 Trentwood Blvd City Belle Isle
 State FL Zip Code 32812 Parcel Id Number: 30-23-30-1884-01-010
 REQUIRED! To obtain this information, please visit <http://www.ocpafl.org/Searches/ParcelSearch.aspx>

Type of Building: Residential Commercial Other

REQUIRED! Florida Product Approval Form – NOTE: installation instructions must be posted on-site before your first inspection!!

Please indicate the nature of work by completing the information below:

Number of Size-for-Size Windows: 8 Number of Size-for-Size Doors: _____ Job Valuation: \$ 7,200

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The Issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances. By signing below, I recognize Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

BY SIGNING THIS APPLICATION, YOU ARE CERTIFYING THAT YOU ARE ACTING AS THE OWNER'S AGENT FOR THIS PERMIT:

LICENSE HOLDER SIGNATURE [Signature] LICENSE # CGC061890
 LICENSE HOLDER NAME Wayne T. Burnett COMPANY NAME FLORIDA HOME IMPROVEMENT ASSOC, INC.
 Street Address 3044 SW 42 St.
 City Hollywood State Fl Zip Code 33312 Phone Number 951-792-4915
 Email Address PERMITS@FHAPRODUCTS.COM

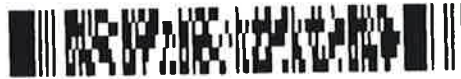
Zoning Fee	\$ <u>0</u>
Permit Fee	\$ <u>53.00</u>
Review Fee	\$ <u>26.50</u>
1% BCAIB Fee	\$ <u>2-min</u>
1.5% DCA Fee	\$ <u>2-min</u>
Total Permit Fee	\$ <u>83.50</u>

Building Official: SM Date 4-20-18
 Verified Contractor's Licenses & Insurance are on file [Signature] Date 4-20-2018

PAID
4-20-2018

1ST IK
 25
 28
 53.50
 26.50 = 79.50

Permit Number: _____
 Folio/Parcel Identification Number: 30-23-30-1884-01-010
 Prepared by: BARBARA ESPARZA
FLORIDA HOME IMPROVEMENT ASSOC. INC.
4070 SW 30 AVE. HOLLYWOOD, FL. 33312
 Return to: _____
FLORIDA HOME IMPROVEMENT ASSOC. INC
4070 SW 30 AVE. HOLLYWOOD, FL. 33312



NOTICE OF COMMENCEMENT

State of Florida, County of Orange

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. **Description of property** (legal description of the property, and street address if available)
DAETWYLER SHORES 1ST REPLAT V/42 LOT 1 BLK A ; 2814 Trentwood Blvd Orlando, FI 32812
2. **General description of Improvement**
Windows
3. **Owner Information or Lessee Information if the Lessee contracted for the improvement**
 Name Lynch Maggie ; Santiago George ; Doneff John E
 Address 2814 Trentwood Blvd Orlando, FI 32812
 Interest in Property Owner
 Name and address of fee simple titleholder (if different from Owner listed above)
 Name n/a
 Address n/a
4. **Contractor**
 Name FLORIDA HOME IMPROVEMENT ASSOZ, INC Telephone Number 954-7924415
 Address 4070 SW 30 AVE. HOLLYWOOD, FL. 33312
5. **Surety** (if applicable, a copy of the payment bond is attached)
 Name n/a Telephone Number n/a
 Address n/a Amount of Bond \$ n/a
6. **Lender**
 Name n/a Telephone Number n/a
 Address n/a
7. **Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes.**
 Name n/a Telephone Number n/a
 Address n/a
8. **In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.**
 Name n/a Telephone Number n/a
 Address n/a
9. **Expiration date of notice of commencement** (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified) _____



State of FLORIDA, County of ORANGE
 I hereby certify that this is a true copy of
 the document as reflected in the Official Records
 PHIL DIAMOND, COUNTY COMPTROLLER
 BY: [Signature] D.C.
 DATED: 4/13/18

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the facts stated in it are true to the best of my knowledge and belief.

[Signature] Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager
[Signature] Signatory's Title/Office

The foregoing instrument was acknowledged before me this 11 day of April, 2018 by George Santiago
month/year name of person

as Owner for SCIF
Type of authority, e.g., officer, trustee, attorney in fact Name of party on behalf of whom instrument was executed

[Signature] Signature of Notary Public - State of Florida
Paul Norman Notary Public
Print name or stamp commission number and name of Notary Public

Personally Known OR Produced ID _____
 Type of ID Produced _____

My Commission Expires 3/10/2020
 Form Revised September 2011
 Commission No. FF 97043



CITY OF BELLE ISLE, FLORIDA
Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

POWER OF ATTORNEY

Date: _____

Permit #: _____

I hereby name and appoint LUIS COLLAZO AND MERCEDES COLLAZO of
(print name)

XPRESS PERMITS
(company name) to be my lawful attorney-in-fact to act for

me and apply to the City of Belle Isle Building Department for a BUILDING permit
(type of permit)

for work to be performed at the following location:
2814 Trentwood Blvd Orlando, Fl 32812, Belle Isle, FL 32809 32812 and
(street address)

to sign my name and do all things necessary to this appointment.

Certified Contractor's Printed Name: Wayne T. Burnett

License Number: CGC061890

Certified Contractor's Signature: [Handwritten Signature]

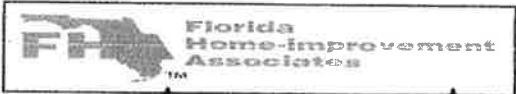
.....
The foregoing instrument was acknowledged before me this 11 days of Apr. of 20 18
by Wayne Burnett who is personally known to me or who produced
_____ as identification and who did not take an oath.

State of Florida
County of Orange
[Handwritten Signature]
Notary Public, Orange County, Florida

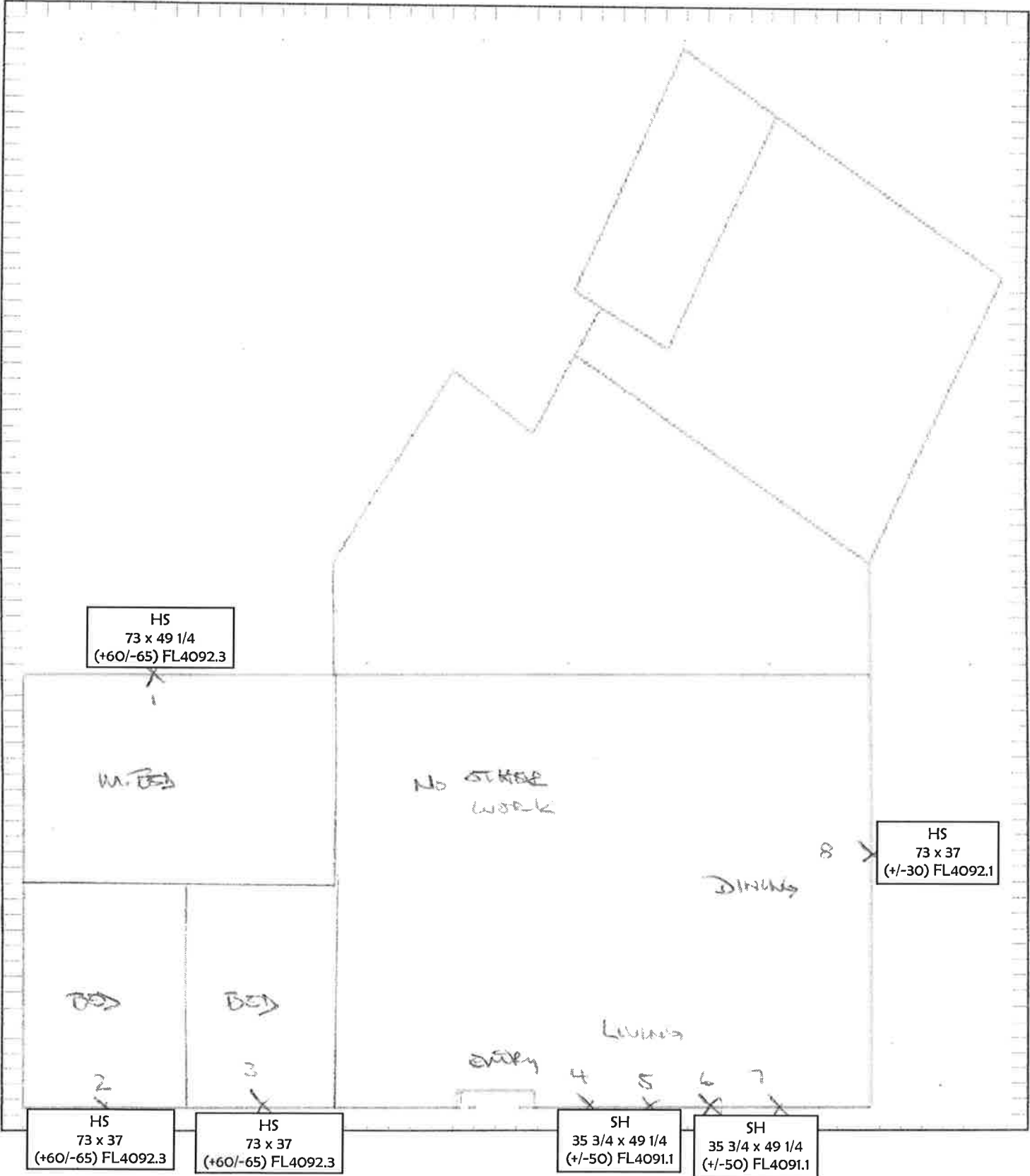


Paul Norman
Notary Public
State of Florida
My Commission Expires 3/10/2020
Commission No. FF 970481
(seal)

FHA - DIAGRAM SHEET



CUSTOMER NAME	LEAD NUMBER	TYPE OF PROPERTY	FLOOR No	Roof Height	MEASURE DATE
Santiago	636396	Single Family	1	12'	4/4/2018
					MEASURE TECH
					Dan Franklin





[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

FL4092-R8
 Revision
 2017
 Approved

Comments
 Archived

Product Manufacturer
Address/Phone/Email

Custom Window Systems Inc.
 1900 SW 44th Avenue
 Ocala, FL 34474
 (352) 368-6922 Ext 245
 kpine@cws.cc

Authorized Signature

Kevin Pine
 kpine@cws.cc

Technical Representative
Address/Phone/Email

Jay Lathrop
 1900 SW 44th Ave
 Ocala, FL 34474
 (352) 368-6922 Ext 291
 jlathrop@cws.cc

Quality Assurance Representative
Address/Phone/Email

Arturo Monteverde
 1900 SW 44th Ave
 Ocala, FL 34474
 (352) 368-6922 Ext 221
 amonteverde@cws.cc

Category
Subcategory

Windows
 Horizontal Slider

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

Lucas A. Turner

Florida License

PE-58201

Quality Assurance Entity

Keystone Certifications, Inc.

Quality Assurance Contract Expiration Date

07/21/2020

Validated By

Steven M. Urich, PE

✓ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL4092_R8_COI_EvalReport223E.pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
AAMA/WDMA/CSA 101/I.S.2/A440-05	2005
AAMA/WDMA/CSA 101/I.S.2/A440-08	2008
PA TAS 202	1994

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

09/27/2017

Date Validated

09/29/2017

Date Pending FBC Approval

10/03/2017

Date Approved

12/12/2017

Summary of Products

FL #	Model, Number or Name	Description
4092.1	HS-8200	8200 Vinyl Flange and Fin Horizontal Sliding Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: HS-8200, 54 x 62, 2 lite, DP 45 PSF; HS-8200, 125 5/8 x 62, 3 lite, DP 30 PSF. Glass complies with ASTM E1300-04.		Installation Instructions FL4092_R8_II_CWS-340E.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4092_R8_AE_EvalReport340E.pdf Created by Independent Third Party: Yes
4092.2	HS-8200	HS-8200 Vinyl Flange/Fin Horizontal Sliding Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other: HS-8200 PVC Horizontal Slider, XO or OX, 72" x 72", DP 40 PSF. Glass conforms to ASTM E1300-04.		Installation Instructions FL4092_R8_II_CWS-223E.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4092_R8_AE_EvalReport223E.pdf Created by Independent Third Party: Yes
4092.3	HS-8200	HS-8200 PVC Horizontal Slider, XO or XO.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: HS-8200 PVC Horizontal Slider, XO or OX, 74" x 54". See Installation drawings for Design Pressure. Glass complies with ASTM E1300-04.		Installation Instructions FL4092_R8_II_CWS-486C.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4092_R8_AE_EvalReport486C.pdf 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](#).



Credit Card
Safe



Evaluation Report 486C
September 7, 2017

Product Description: Series 8200 PVC Horizontal Slider Window, Non Impact, 74" x 54" unit size
75 1/4" x 55 1/4" flange size, 3/16Ann – Air – 3/16Ann glass minimum

Manufacturer: Custom Window Systems, Inc. 1900 SW 44th Ave, Ocala, FL 34474

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 6th Edition (2017) Florida Building Code including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 1239 Jabara Ave., North Port, FL
- 2) Approval drawing CWS-486C, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report NCTL-210-3599-1, from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E.
 - a. Testing Performed: TAS-202-94 (Full 202 performed on 3 identical specimens)
- 4) Supplemental Calcs. to support CWS-486C, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document CWS-486C.

Limitations of Use: This product:

- May be used in O/X or X/O configuration in sizes up to 74" x 54" unit size, or 75 1/4" x 55 1/4" flange size, with max. glass daylight widths of 32 15/16" for fixed panel and 33" for sash
- Achieves design pressures as indicated in comparative analysis table in CWS-486C
- Is non-impact and requires the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires 3/16Ann – Air – 3/16Ann glass minimum
- Requires Quanex (Mikron) white rigid PVC framing per Miami-Dade NOA 17-0206.10[†]

[†] I have evaluated the framing material in this NOA and find that it complies with the requirements of the 6th Ed. (2017) Florida Building Code for use in this product.

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Custom Window Systems or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.

Lucas
Turner
2017-09-16
09:26+20:00



ZZ
9/07/2017
Lucas A. Turner, P.E.
FL PE #58201



RICK SINGH, CFA - ORANGE COUNTY PROPERTY APPRAISER

- [Searches](#)
- [Sales Search](#)
- [Results](#)
- [Property Record Card](#)
- [My Favorites](#)

[Sign up for e-Notify...](#)

2814 Trentwood Blvd < 30-23-30-1884-01-010 >

Name(s)	Physical Street Address
Lynch Maggie	2814 Trentwood Blvd
Santiago George	Postal City and Zipcode
Doneff John E	Orlando, Fl 32812
Mailing Address On File	Property Use
2814 Trentwood Blvd	0103 - Single Fam Class III
Belle Isle, FL 32812-4838	Municipality
Incorrect Mailing Address?	Belle Isle



View 2017 Property Record Card

- [Property Features](#)
- [Values, Exemptions and Taxes](#)
- [Sales Analysis](#)
- [Location Info](#)
- [Market Stats](#)
- [Update Information](#)

2018 values will be available in August of 2018.

Property Description

[View Plat](#)

DAETWYLER SHORES 1ST REPLAT V/42 LOT 1 BLK A

Total Land Area 14,199 sqft (+/-) | 0.33 acres (+/-) GIS Calculated Notice

Land

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
0100 - Single Family	R-1-AA	1 LOT(S)	working...	working...	working...	working...

Page 1 of 1 (1 total records)

Buildings

Important Information		Structure				
	Model Code:	01 - Single Fam Residence	Actual Year Built:	1959	Gross Area:	2830 sqft
	Type Code:	0103 - Single Fam Class III	Beds:	4	Living Area:	2263 sqft
	Building Value:	working...	Baths:	2.0	Exterior Wall:	Concrete/Cinder Block
	Estimated New Cost:	working...	Floors:	1	Interior Wall:	Drywall

Page 1 of 1 (1 total records)

Extra Features

Description	Date Built	Units	XFOB Value
FPL1 - Basic Fireplace	06/09/1992	1 Unit(s)	working...
PL2 - Above Average Pool	01/01/1988	1 Unit(s)	working...
SCR2 - Scrn Enc 2	01/01/1988	1 Unit(s)	working...

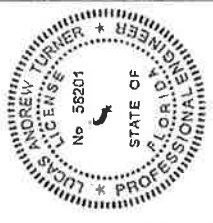
Page 1 of 1 (3 total records)

This Data Printed on 03/29/2018 and System Data Last Refreshed on 03/28/2018



**8200 PVC
HORZ. SLIDER
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



9/22/2017
LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JAGARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
GENERAL NOTES AND ELEVATIONS
DRAWN BY: ADE
DATE: 10/13/11
DWG # CWS-486
REV: C
SCALE: 1:14.29
SHEET 1 OF 6

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION AND IS RATED FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
- GLAZING OPTIONS: (SEE SHEET 2)
- CONFIGURATIONS: "OX", "XO".
- DESIGN PRESSURE RATING (SEE SHEET 2):
-NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-0460/109.
-POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-0460/109.
- ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR C_w-1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
- ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
- SERIES / MODEL DESIGNATION HS-8200.
- THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
- SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
- EXTERNAL WEEP SLOT = 1/4" x 1" LOCATED 6" FROM BOTH ENDS.

LucasTurne
2017-09-22
12:48-04:00

HORIZONTAL SLIDER - NON-IMPACT

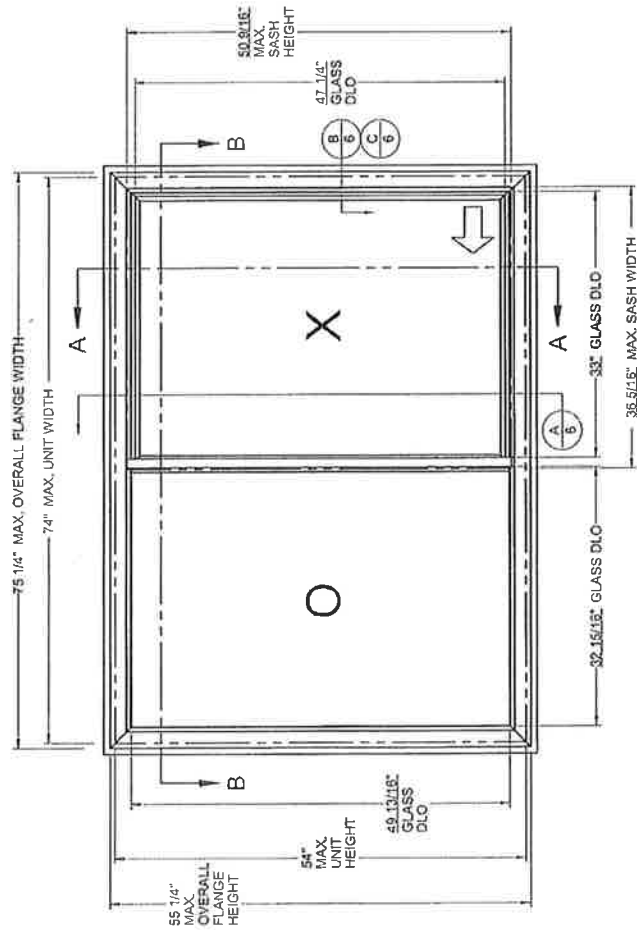


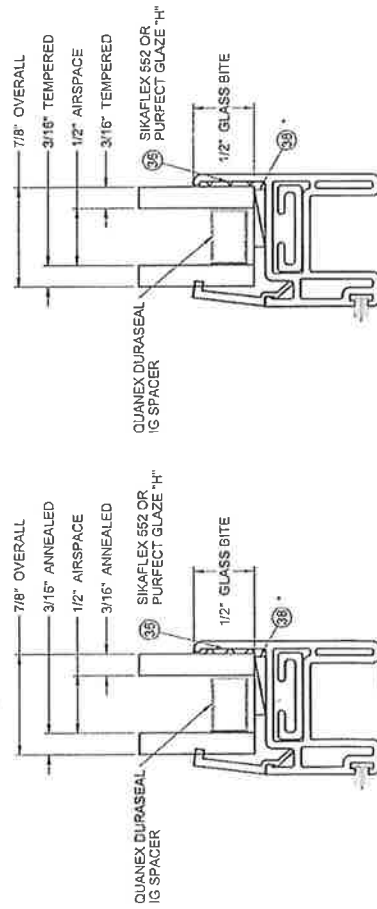
TABLE OF CONTENTS

- GENERAL NOTES & ELEVATIONS.....1
- DP CHART & GLAZING DETAILS.....2
- SECTION VIEWS.....3
- EXTRUSIONS & B.O.M.....4
- ANCHOR SCHEDULE & NOTES.....5
- INSTALLATION DETAILS.....6

MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
74" x 54"	SEE COMPARATIVE ANALYSIS CHART, SHEET 2	NONE

DESIGN PRESSURES FOR EQUAL SPLIT "O/X" or "X/O" CONFIGURATION WITH GLASS TYPE A or B

Unit Width	Unit Height													
	19 1/2	23 1/2	27 1/2	31 1/2	35 1/2	39 1/2	43 1/2	47 1/2	51 1/2	54				
27 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
29 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
31 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
35 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
37 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
39 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
41 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
43 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
47 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
49 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
51 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
53 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
55 1/2	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0	+60.0 / -120.0
59 1/2	+60.0 / -114.1	+60.0 / -105.2	+60.0 / -101.1	+60.0 / -95.2	+60.0 / -88.3	+60.0 / -82.7	+60.0 / -78.1	+60.0 / -73.5	+60.0 / -69.6	+60.0 / -65.5	+60.0 / -61.4	+60.0 / -57.3	+60.0 / -53.2	+60.0 / -49.1
61 1/2	+60.0 / -108.7	+60.0 / -99.6	+60.0 / -94.7	+60.0 / -89.9	+60.0 / -85.4	+60.0 / -81.1	+60.0 / -76.9	+60.0 / -72.7	+60.0 / -68.5	+60.0 / -64.3	+60.0 / -60.1	+60.0 / -55.9	+60.0 / -51.7	+60.0 / -47.5
63 1/2	+60.0 / -103.7	+60.0 / -94.7	+60.0 / -89.9	+60.0 / -84.9	+60.0 / -80.5	+60.0 / -76.1	+60.0 / -71.7	+60.0 / -67.3	+60.0 / -62.9	+60.0 / -58.5	+60.0 / -54.1	+60.0 / -49.7	+60.0 / -45.3	+60.0 / -40.9
65 1/2	+60.0 / -99.2	+60.0 / -89.9	+60.0 / -84.9	+60.0 / -80.5	+60.0 / -76.1	+60.0 / -71.7	+60.0 / -67.3	+60.0 / -62.9	+60.0 / -58.5	+60.0 / -54.1	+60.0 / -49.7	+60.0 / -45.3	+60.0 / -40.9	+60.0 / -36.5
67 1/2	+60.0 / -95.1	+60.0 / -85.1	+60.0 / -80.5	+60.0 / -76.1	+60.0 / -71.7	+60.0 / -67.3	+60.0 / -62.9	+60.0 / -58.5	+60.0 / -54.1	+60.0 / -49.7	+60.0 / -45.3	+60.0 / -40.9	+60.0 / -36.5	+60.0 / -32.1
71 1/2	+60.0 / -87.8	+60.0 / -78.9	+60.0 / -73.5	+60.0 / -69.6	+60.0 / -65.5	+60.0 / -61.4	+60.0 / -57.3	+60.0 / -53.2	+60.0 / -49.1	+60.0 / -45.0	+60.0 / -40.9	+60.0 / -36.8	+60.0 / -32.7	+60.0 / -28.6
74	+60.0 / -83.7	+60.0 / -75.0	+60.0 / -69.6	+60.0 / -65.5	+60.0 / -61.4	+60.0 / -57.3	+60.0 / -53.2	+60.0 / -49.1	+60.0 / -45.0	+60.0 / -40.9	+60.0 / -36.8	+60.0 / -32.7	+60.0 / -28.6	+60.0 / -24.5



GLASS TYPE A

GLASS TYPE B

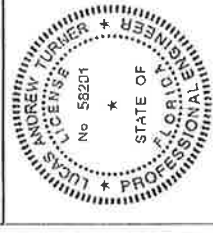
NOTE: IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE

SETTING BLOCKS PER FBC 2411.3.3.1

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THIS DRAWING IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS
WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



9/22/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

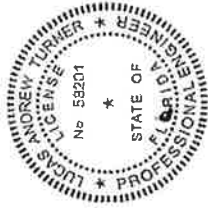
SHEET DESCRIPTION:
COMPARATIVE ANALYSIS
AND GLAZING DETAILS

DRAWN BY: ADE
DATE: 10/13/11
REV: C
DWG #: CWS-486
SCALE: 1:1
SHEET 2 OF 6

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CO

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED
HEREIN IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS
A WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



ZZ

9/22/2017

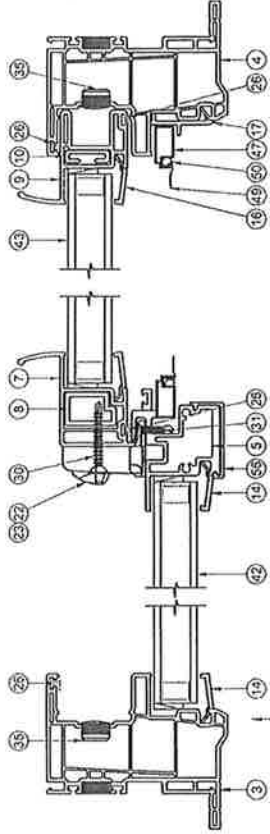
LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

SECTION VIEWS

DRAWN BY:	DATE:
ADE	10/13/11
DWG #:	REV:
CWS-486	C
SCALE:	SHEET
1:2	3 OF 6

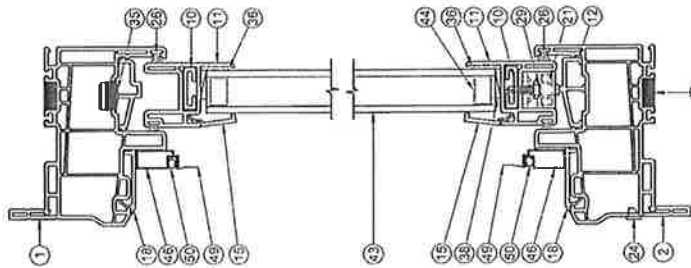
INTERIOR



SECTION VIEW B-B

NOTE: FIXED LITE AT HEAD
AND SILL IS SIMILAR.

INTERIOR



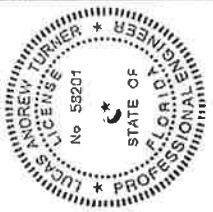
SECTION VIEW A-A

NOTE: ITEMS NOT SHOWN FOR CLARITY:
17, 25, 27, 34, 39, 40, 41, 48, 51, 52



**8200 PVC
HORZ. SLIDER
NON-IMPACT**

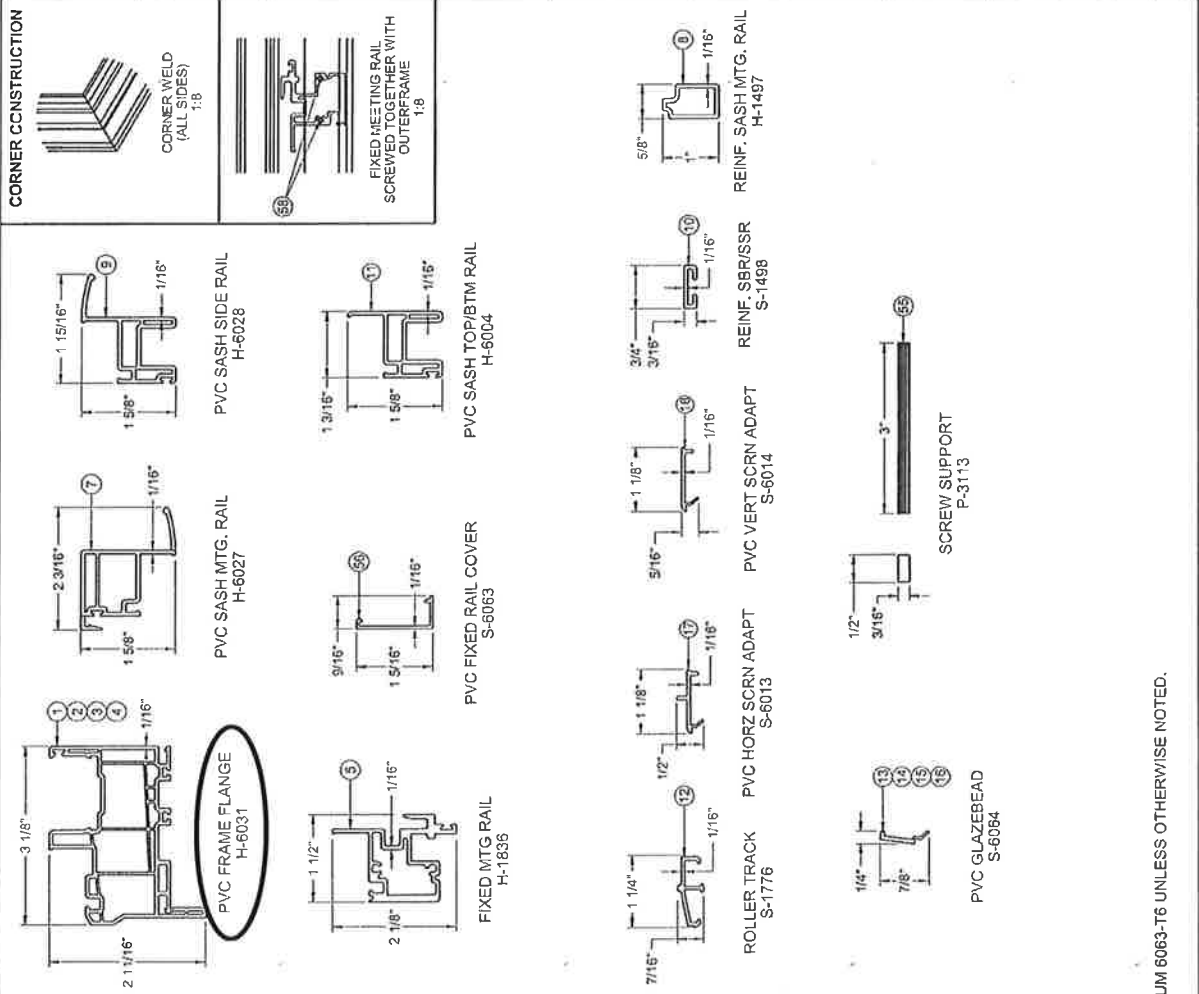
PROPRIETARY AND CONFIDENTIAL
THIS DRAWING IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS
WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



72
9/22/2017
LUCAS A. TURNER, P. E.
FL PE # 56201
1239 JABARA AVE.
NORTH POCT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
BOM AND EXTRUSIONS

DRAWN BY:	ADE	DATE:	10/13/11
DWG. #:	CWS-486	REV.:	C
SCALE:	1:2	SHEET	4 OF 6



ITEM	PART #	DESCRIPTION	VENDOR	MATERIAL
1	H-6031	Main Fr., SH, w/Flg., PVC, Head	Mikron	PVC
2	H-6031	Main Fr., SH, w/Flg., PVC, Sill	Mikron	PVC
3	H-6031	Main Fr., SH, w/Flg., PVC, L. Jb.	Mikron	PVC
4	H-6031	Main Fr., SH, w/Flg., PVC, R. Jb.	Mikron	PVC
5	H-1836	Meet. Rail, Fxd.	Keymark	Alum
7	H-6027	Sash Meet. Rail, PVC	Mikron	PVC
8	H-1497	Reinf. Sash Meet. Rail	Keymark	Alum
9	H-6028	Sash Bottom Rail, PVC (S.S.R. for HS)	Mikron	PVC
10	S-1498	Reinf. S.B.R./S.S.R./S.T.R.	Keymark	Alum
11	H-6004	Sash Top/Bot. Rail	Mikron	PVC
12	S-1776	Roller track	Keymark	Alum
13	S-6064	Giz. Bd., 7/8" Fxd., Honz.	Mikron	PVC
14	S-6064	Giz. Bd., 7/8" Fxd., Vert.	Mikron	PVC
15	S-6064	Giz. Bd., 7/8" Sash, Honz.	Mikron	PVC
16	S-6064	Giz. Bd., 7/8" Sash, Vert.	Mikron	PVC
17	S-6013	Scrn. Adapt., w/ Nib, PVC	Mikron	PVC
18	S-6014	Scrn. Adapt., PVC	M&M	Nylon
21	P-3804	Roller, Tandem	M&M	Nylon
22	P-3783	Lock, Impact, PVC	Interlock	Zinc
23	P-3784	Keeper, Impact, PVC	Interlock	Zinc
24	P-4479	W/sep Cover-w/ Flap	M&M	Nylon
26	P-3429	W/sep., 0.270 x .187 back FinSeal, Gray	Ultrafab	Steel
27	P-3539	#8 x 0.75" Ph PH Tek	Fastenal	Steel
29	P-3511	#8 x 0.625" Ph PH Tek	Fastenal	Steel
30	P-4051W	#8 x 1.250" Ph FH TEK, WHL.	Fastenal	Steel
31	P-3451W	#8 x 0.625" Quad FH TEK, WHL.	Fastenal	Steel
34	P-3342	Seam Sealer, SM-5504	Schnee	Silicone
35	P-3752	Cap. Plug, 1/2" Hole	M&M	Nylon
36	P-4648	Purect Glaze "H", Sika Flex 552	Henkel / Sika	Silicone
38	P-3352	Set. Blk., .85 Dur., 1/8" x 5/8" x 2" Lg.	FrankLowe	Rubber
42	Fixed	SEE SHEET 2		
43	Sash	SEE SHEET 2		
44	P-3281	Spacer, DuraSeal, Fixed	TruSeal	
46	P-3218	Screen Frame, Horiz.	Allmetal	RollForm
47	P-3218	Screen Frame, Vert.	Allmetal	RollForm
48	P-3321	Screen Frame Corner Key	Allmetal	Nylon
49	P-3581	Screen Cloth, 15 x 16 Fiberglass	Dapa	
50	P-3228	Screen Spine, .155 Dia., Blk.		
51	P-3029	Screen Pull Tab	Summit	
52	P-3033	Screen Spring, SS	Fla.Spring	
55	S-6053	Fixed rail End Cap	Team Mikron	Rubber
56	S-6053	Fixed rail End Cap	Mikron	PVC
57	S-6005	Anti-lift out	Fastenal	PVC
58	P-4638	#6 x 2 1/2", PH, Modified Truss, TEK2	Fastenal	Steel

LINE ITEMS NOT USED: 6, 19-20, 23, 28, 32-33, 37, 39-41, 45, 53-54

NOTE: ALL EXTRUSIONS ARE ALUMINUM 6063-T6 UNLESS OTHERWISE NOTED.

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.

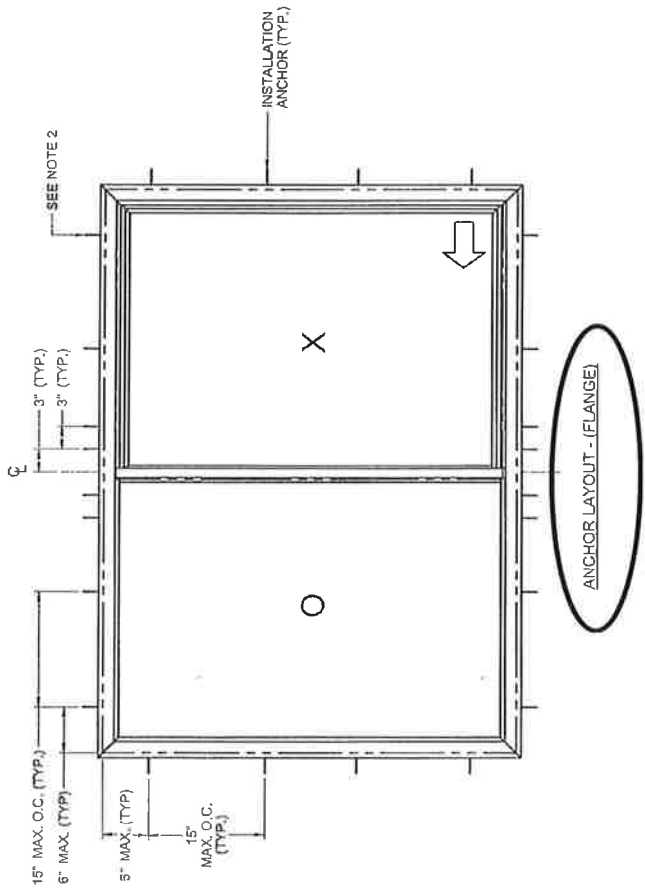


9/22/2017
ZZ

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	DATE:
ADE	10/13/11
BY/IG R:	REV.:
CWS-486	C
SCALE:	SHEET
1:14.28	5 OF 6

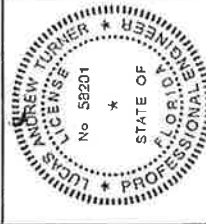


NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS, SEE TABLE 1, SHEET 6.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 6.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE - 1X BUCKS ARE OPTIONAL.
7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3" FOR MASONRY, 1" FOR WOOD AND METAL.
8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 6. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS:
FMA/AAWA 100(FIN WINDOWS), FMA/AAWA 200(FLANGE WINDOWS), FMA/AAWA 250(BOX WINDOWS), FMA/AAWA/DMA 300(EXTERIOR DOORS)

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



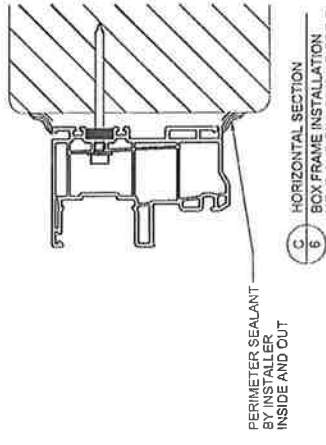
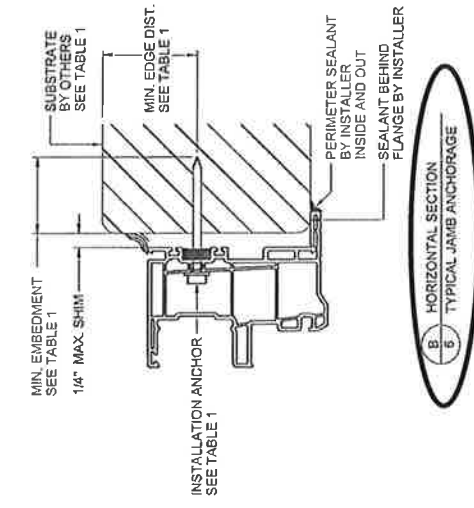
9/22/2017

LUCAS A. TURNER, P.E.
FL PE # 96201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
ADE	10/13/11
DWG #	REV:
CWS-486	C
SCALE:	SHEET
1:2	6 OF 6



FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:
 - MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
 - PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

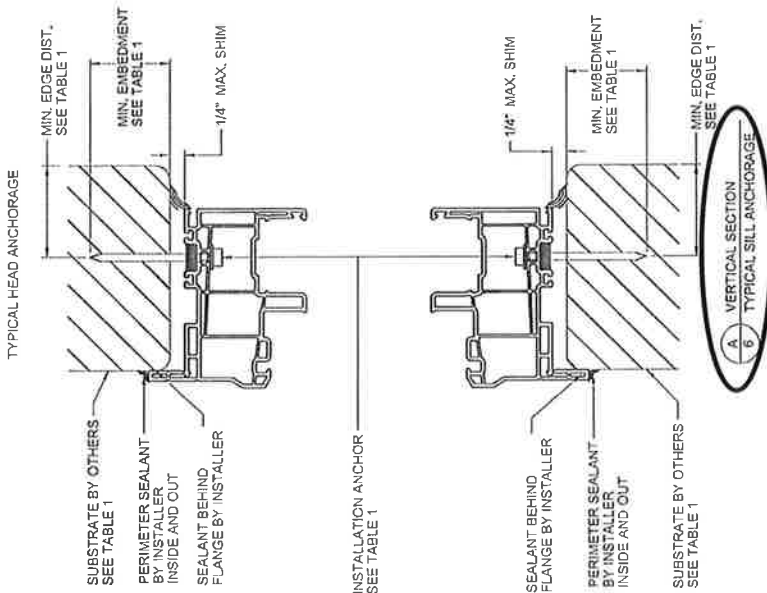
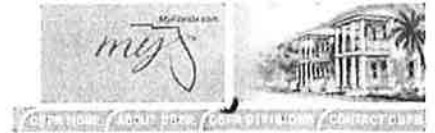


TABLE 1: APPROVED INSTALLATION FASTENERS

SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	1-1/8"
HOLLOW OR GROUT-FILLED CONCRETE	3/16" ELCO ULTRACON	1"	2"
CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
GROUT-FILLED CONCRETE	3/16" ELCO ULTRACON	1"	2-1/2"
2X MIN. SPRUCE-PINE-FIR (G=0.42)	3/16" ITW TAPCON	1-3/8"	7/8"
OR ELCO ULTRACON	OR ELCO ULTRACON	1-3/8"	7/8"
2X MIN. SPRUCE-PINE-FIR (G=0.42)	#10 WOOD SCREW	1-3/8"	7/8"
16 GAUGE (0.060") MIN. STEEL STUD	#10-16 HILTI KWIK-FLEX OR ITW FULL THREAD	THRU 0.060"	7/16"
(33 KSI YIELD MIN.)	TEKS SELF-DRILLING SCREW	FULL THREAD	
1/8" ALUM. (6053-15 MIN.) OR	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD	7/16"
1/8" STEEL (33 KSI MIN.)		THRU 0.125"	



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

FL4091-R8
Revision
2017
Approved

Comments
Archived

Product Manufacturer
Address/Phone/Email

Custom Window Systems Inc.
1900 SW 44th Avenue
Ocala, FL 34474
(352) 368-6922 Ext 245
kpine@cws.cc

Authorized Signature

Kevin Pine
kpine@cws.cc

Technical Representative
Address/Phone/Email

Jay Lathrop
1900 SW 44th Ave
Ocala, FL 34474
(352) 368-6922 Ext 291
jlathrop@cws.cc

Quality Assurance Representative
Address/Phone/Email

Arturo Monteverde
1900 SW 44th Ave
Ocala, FL 34474
(352) 368-6922 Ext 221
amonteverde@cws.cc

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

Lucas A. Turner

Florida License

PE-58201

Quality Assurance Entity

Keystone Certifications, Inc.

Quality Assurance Contract Expiration Date

07/21/2020

Validated By

Steven M. Ulrich, PE

Validation Checklist - Hardcopy Received

Certificate of Independence

[FL4091_R8_COI_EvalReport154F.pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
AAMA/WDMA/CSA/101/I.S.2/A440-05	2005
AAMA/WDMA/CSA/101/I.S.2/A440-08	2008
PA TAS 202	1994

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

09/26/2017

Date Validated

09/29/2017

Date Pending FBC Approval

10/08/2017

Date Approved

12/12/2017

Summary of Products

FL #	Model, Number or Name	Description
4091.1	SH-8100	8100 Vinyl Flange/Fin Frame Single Hung
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: SH-8100, Max. size 53.125" x 76". Glass complies with ASTM E1300-04.		Installation Instructions FL4091 R8 II CWS-154F.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4091 R8 AE EvalReport154F.pdf Created by Independent Third Party: Yes
4091.2	SH-8100	SH-8100 Vinyl Single Hung, Non-Impact.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: SH-8100 Vinyl Single Hung, OX, Max. size 52" x 71", see installation dwgs. for DP. Glass complies with ASTM E1300-04.		Installation Instructions FL4091 R8 II CWS-485C.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4091 R8 AE EvalReport485C.pdf Created by Independent Third Party: Yes
4091.3	SH-8100 Continuous Head & Sill	SH-8100 Vinyl Single Hung, Continuous Head & Sill, Non-Impact.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: SH-8100 Cont. Hd. & Sill, Max. size 72 7/8" x 61 3/4", DP +67.5/-70 psf. Glass complies with ASTM E1300-04.		Installation Instructions FL4091 R8 II CWS-442C.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4091 R8 AE EvalReport442C.pdf Created by Independent Third Party: Yes
4091.4	SH-8100 Continuous Head & Sill	SH-8100 Vinyl Single Hung, Cont. Head & Sill, Non-Impact.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: SH-8100 Cont. Hd. & Sill, Max. size 74 1/8" x 72", see chart on installation dwgs. for DP. Glass complies with ASTM E1300-04.		Installation Instructions FL4091 R8 II CWS-492C.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4091 R8 AE EvalReport492C.pdf Created by Independent Third Party: Yes
4091.5	SH-8100 Oriel	8100 Vinyl Single Hung Oriel w/ HD Meet. Rail
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +60/-60 Other: SH-8100, Max. size 52" x 96", Oriel. Glass complies with ASTM E1300-04.		Installation Instructions FL4091 R8 II CWS-293D.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4091 R8 AE EvalReport293D.pdf 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](#).



Credit Card
Safe



Evaluation Report 154F
August 28, 2017

Product Description: Series 8100 PVC Single Hung Window, Non Impact, 53 1/8" x 76" unit size, 54 3/8" x 77 1/4" flange size

Manufacturer: Custom Window Systems, Inc. 1900 SW 44th Ave, Ocala, FL 34474

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 6th Edition (2017) Florida Building Code outside the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 1239 Jabara Ave., North Port, FL
- 2) Approval drawing CWS-154F, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3809-1 and -1A, from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E.
 - a. Testing Performed: AAMA/WDMA/CSA 101/LS.2/A440-08
- 4) Supplemental Calculations to support CWS-154F, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document CWS-154F.

Limitations of Use: This product:

- May be used in the configurations and sizes and with daylight openings as indicated in CWS-154F
- Achieves design pressures as indicated in comparative analysis table in CWS-154F
- Is non-impact and requires the use of shutters in windborne debris regions
- May not be used in the High Velocity Hurricane Zone
- Requires glass as shown in CWS-154F
- Requires Quanex (Mikron) white rigid PVC extrusions as shown in CWS-154F

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Custom Window Systems or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.

Lucas
Turner
2017-08-30
15:58+20:00

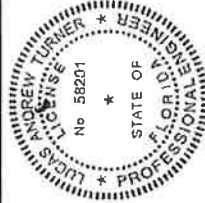


22
8/28/20175
Lucas A. Turner, P.E.
FL PE #58201



8100 PVC SINGLE HUNG NON-IMPACT

THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



ZZ
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

GENERAL NOTES AND ELEVATIONS

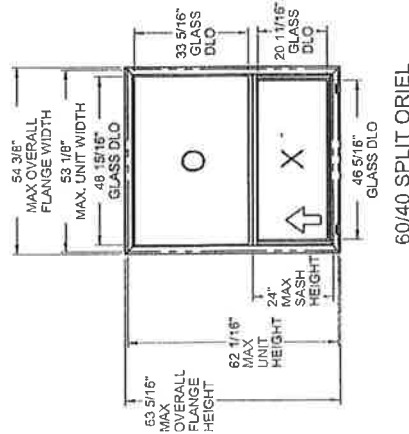
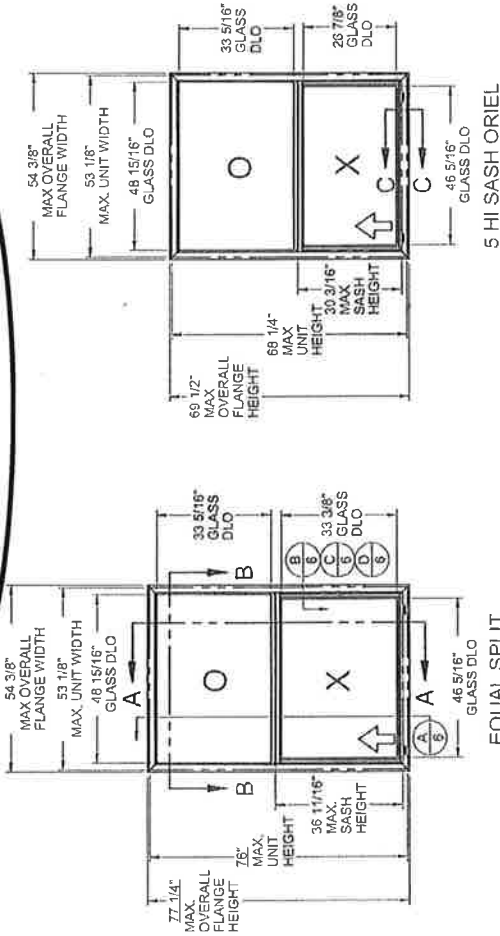
DRAWN BY:	BAT	DATE:	04/29/08
CWG#:		REV#:	F
CWS-154		SCALE:	1:33.33
		SHEET	1 OF 6

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "OX".
4. DESIGN PRESSURE RATINGS (SEE SHEET 2):
-NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-0460/109.
-POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-0460/109.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 6 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR C9=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
7. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
8. SERIES / MODEL DESIGNATION SH-8100.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
11. EXTERNAL WEEP SLOT = 1/2" x 2-1/2" LOCATED 4" FROM BOTH ENDS.

Lucas
Turner
2017-08-30
17:10+20:00

SINGLE HUNG - NON-IMPACT
(SHOWN W/DIFFERENT OPTIONS)



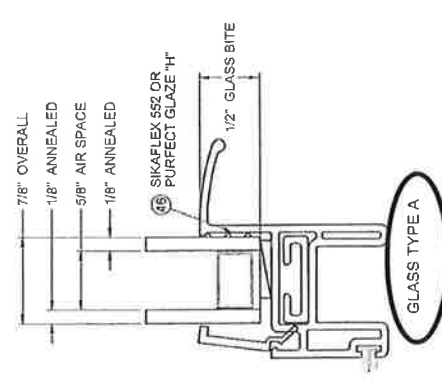
CONFIG.	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
EQUAL	53-1/8" x 76"		NONE
5 HI ORIEL	53-1/8" x 68-1/4"	SEE COMPARATIVE ANALYSIS CHART, SHEET 2	NONE
60/40 ORIEL	53-1/8" x 62-1/16"		NONE

TABLE OF CONTENTS

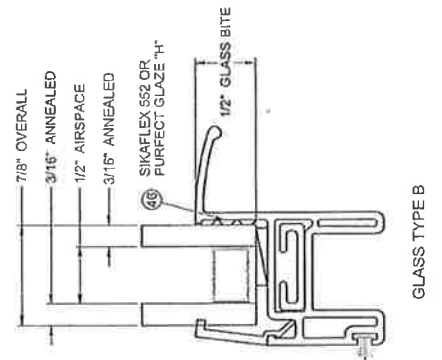
- GENERAL NOTES & ELEVATIONS.....1
- DP CHARTS & GLAZING DETAIL.....2
- SECTION VIEWS & ALT. FRAME.....3
- EXTRUSIONS & B.O.M.....4
- ANCHOR SCHEDULE & NOTES.....5
- INSTALLATION DETAILS.....6

Design Pressures (PSF) with Glass Types A, B, C, or D

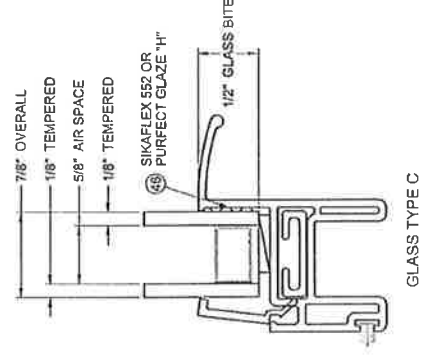
Unit Heights (in.)	Sash Heights (in.)	Unit Widths (in.)														
		23 1/2	27 1/2	29 1/2	31 1/2	35 1/2	39 1/2	41 1/2	43 1/2	47 1/2	51 1/2	53 1/8				
35 1/2	17	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
39 1/2	19	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
41 1/2	20	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
43 1/2	21	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
47 1/2	23	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
51 1/2	25	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
53 1/2	26	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
55 1/2	27	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
59 1/2	29	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
63 1/2	31	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
65 1/2	32	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
67 1/2	33	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
71 1/2	35	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
74 3/4	36 5/8	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75
76	37 1/4	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75	+50/-75



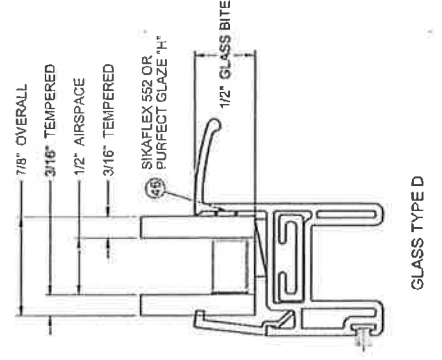
GLASS TYPE A



GLASS TYPE B



GLASS TYPE C

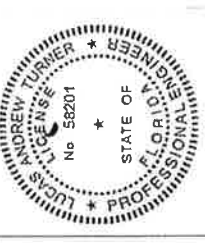


GLASS TYPE D

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CO

**8100 PVC
SINGLE HUNG
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THIS DRAWING IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS
A WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
COMPARATIVE ANALYSIS
AND GLAZING DETAILS
DRAWN BY: BAT
DATE: 04/29/08
DWG#: CWS-154
REV: F
SCALE: 1:1
SHEET 2 OF 6

NOTE:
IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE.

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**8100 PVC
SINGLE HUNG
NON-IMPACT**

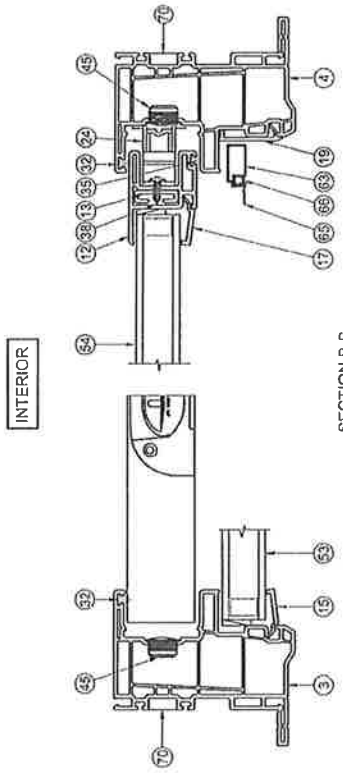
THE INFORMATION CONTAINED
HEREIN IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



ZZ
8/28/2017

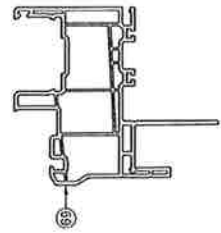
LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SECTION VIEWS	
DRAWN BY:	BAT
DATE:	04/29/08
DWG #:	CWS-154
REV:	F
SCALE:	1:2
SHEET	3 OF 6

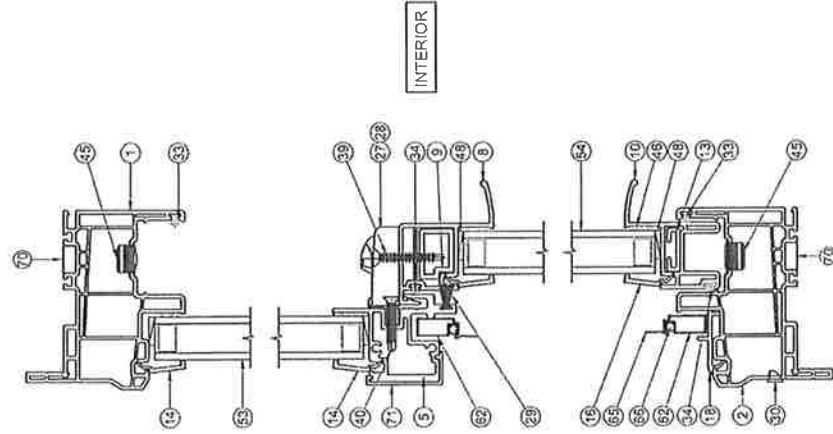


SECTION B-B

NOTE: LEFT SIDE SHOWS FIXED SECTION VIEW,
RIGHT SIDE SHOWS SASH SECTION VIEW.



SECTION C-C
ALTERNATE FIN FRAME



SECTION A-A

NOTE: ITEMS NOT SHOWN FOR CLARITY:
20, 23, 25-26, 31, 36, 37, 44, 51-52, 55-56, 64, 67-68

Custom
WINDOW SYSTEMS
1500 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CO

**8100 PVC
SINGLE HUNG
NON-IMPACT**

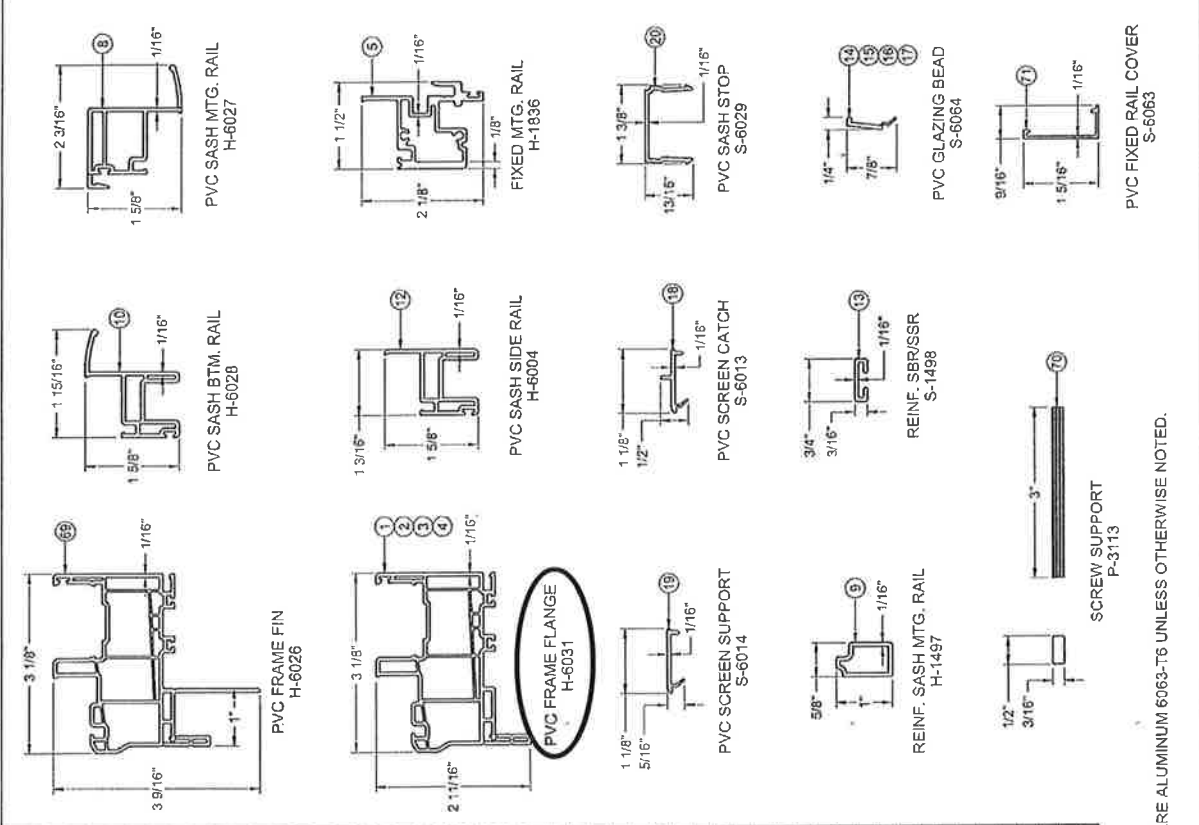
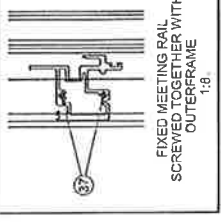
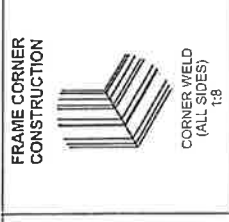
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



LZ
8/28/2017
LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
BOM AND EXTRUSIONS

DRAWN BY:	BAT	DATE:	04/29/08
DWG. NO.:	CWS-154	REV.:	F
SCALE:	1:8	SHEET	4 OF 6



PARTS LIST

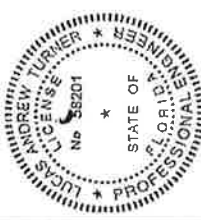
ITEM	PART #	DESCRIPTION	VENDOR	MATERIAL
1	H-6031	Main Fr., SH. w/Flg., PVC, Head	Mikron	Vinyl
2	H-6031	Main Fr., SH. w/Flg., PVC, Sill	Mikron	Vinyl
3	H-6031	Main Fr., SH. w/Flg., PVC, L. Jb.	Mikron	Vinyl
4	H-6031	Main Fr., SH. w/Flg., PVC, R. Jb.	Mikron	Vinyl
5	H-1836	Meet. Rail, Fix.	Keymark	Alum
8	H-6027	Sash Meet. Rail, PVC	Mikron	Vinyl
9	H-1497	Reinf. Sash Meet. Rail	Keymark	Alum
10	H-6028	Sash Bottom Rail, PVC	Mikron	Vinyl
12	H-6004	Sash Side/Top/Bot. Rail	Mikron	Vinyl
13	S-1498	Reinf. S.B./S.R./S.S.R	Keymark	Alum
14	S-6064	Giz. Bd., 7/8" Fxd., Horiz.	Mikron	Vinyl
15	S-6064	Giz. Bd., 7/8" Fxd., Vert.	Mikron	Vinyl
16	S-6064	Giz. Bd., 7/8" Sash, Horiz.	Mikron	Vinyl
17	S-6064	Giz. Bd., 7/8" Sash, Vert.	Mikron	Vinyl
18	S-6013	Scm. Adap., w/Nib, PVC, Horiz.	Mikron	Vinyl
19	S-6014	Scm. Adap., PVC, Vert.	Mikron	Vinyl
20	S-6029	Sash Stop / Filler, PVC, Vert.	Mikron	Vinyl
24	P-2190	Balance	BSI	Plastic
25	P-3059	Sash Cam, PVC	BSI	SS
26	P-3046	Take Out Clip	BSI	SS
27	P-3783	Lock, Impact, PVC	Interlock	Interlock
28	P-4069	Keeper, Impact, PVC	Interlock	Interlock
30	P-4479	Weep Cover w/ Flap	Gaer	Plastic
32	P-3429	Wslp., 0.270 x .187 back FinSeal, Grey	Ultrab	Ultrab
33	P-3429	Wslp., 0.270 x .187 back FinSeal, Grey	Ultrab	Ultrab
34	P-3429	Wslp., 0.270 x .187 back FinSeal, Grey	Ultrab	Ultrab
35	P-3429	Wslp., 0.270 x .187 back FinSeal, Grey	Ultrab	Ultrab
36	P-3429	Wslp., 0.270 x .187 back FinSeal, Grey	Ultrab	Ultrab
37	P-4635	#8 x 2-1/2 PH Mod. Truss Type A, Tek 2	Ajax	Steel
38	P-3788	#8 x 0.625 Ph PH SMS	Hub City	Steel
39	P-4051W	#8 x 1.250 PH FH TEK, WHL.	Hub City	Steel
40	P-4254	#8 x 3/4 PH w/#6 Head, TEK, WHL	Hub City	Steel
44	P-3342	Seam Sealer, SM-5504	Schnee	Nylon
45	P-3782	Cap Plug, 1/2" Hole	M&I	Nylon
46	P-3438	Sikallex 552 or Purifect Glaze "H"	Sika/Henkel	Rubber
48	P-3352	Set. Bk., .65 Dur., 7/8" x 5/8" x 2" Lg.	F. Lowe	Rubber
51	P-3881	Temporary Lbl. (NFR/CDP)		
52	P-3613	CWS Lbl. (logo)	Pro Label	
53		Glass, Fixed (See Sheet 3)		
54		Glass, Sash (See Sheet 3)		
55	P-3281	Spacer (see sheet 3)	Duraseal	
56	P-3281	Spacer (see sheet 3)	Duraseal	
62	P-3218	Screen Frame, Horiz.	Almetal	Alum
63	P-3218	Screen Frame, Vert.	Almetal	Alum
64	P-3321	Screen Frame Corner Key	Almetal	Plastic
65	P-3581	Screen Cloth, 18 x 16 Fiberglass	Betterub	Fiberglass
66	P-3228	Screen Spline, 1.55 Dia., Bk.	Dapa	Vinyl
67	P-3029	Screen Pull Tab	Summit	Alum
68	P-3033	Screen Spring, SS	Fl. Screen	SS
69	H-6026	Main Fr., SH. w/Flg., PVC	Mikron	Vinyl
70	P-3113	Screw Support for PVC	T. Plastics	Nylon
71	S-6063	Fixed Rail Cover	Mikron	Vinyl

NOTE: ALL EXTRUSIONS ARE ALUMINUM 6063-T6 UNLESS OTHERWISE NOTED.

LINE ITEMS NOT USED:
6-7, 11, 21-23, 29, 31, 41-43, 47, 49-50, 57-61

**8100 PVC
SINGLE HUNG
NON-IMPACT**

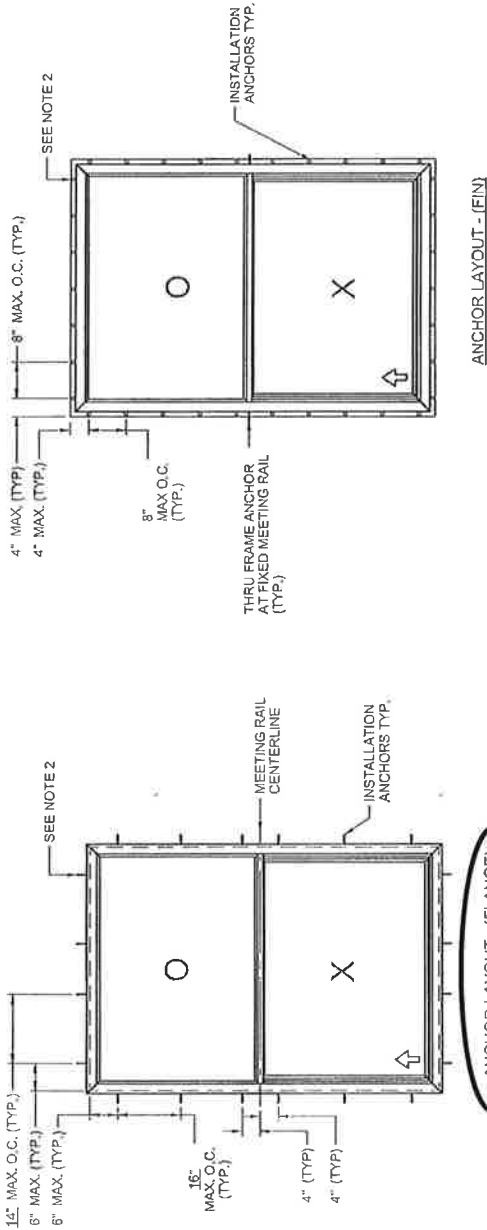
THIS INFORMATION IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



ZZ
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 38201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:	
ANCHOR SCHEDULE AND NOTES	
DRAWN BY:	DATE:
BAT	04/29/08
DWG #:	REV.:
CWS-154	F
SCALE:	SHEET
1:25	5 OF 6

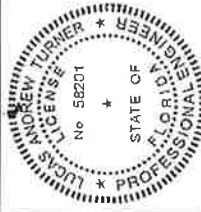


NOTES:

1. INSTALL ONE ANCHOR AT EACH INSTALLATION LOCATION. SILL ANCHOR SPACING SAME AS HEAD.
2. SHIM AS REQ AT EACH INSTALLATION ANCHOR USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT. LOAD BEARING SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. WOOD SHIMS ARE NOT ALLOWED.
3. ANCHOR TYPE, SIZE, SPACING AND EMBEDMENT SHALL BE AS SPECIFIED IN THESE DRAWINGS. SEE TABLE 1, SHEET 6.
4. ALL INSTALLATION ANCHORS MUST BE MADE OF OR PROTECTED WITH A CORROSION RESISTANT MATERIAL OR COATING. DISSIMILAR METALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTION.
5. INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM SPECIFIED IN TABLE 1, SHEET 6.
6. ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR CONCRETE/CMU OPENINGS, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, INTO SUBSTRATE - 1X BUCKS ARE OPTIONAL.
7. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL FASTENERS: 3" FOR MASONRY, 1" FOR WOOD AND METAL.
8. WOOD OR MASONRY OPENINGS, BUCKS AND BUCK FASTENERS SHALL BE PROPERLY DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD AND INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE. SUBSTRATES SHALL MEET THE MINIMUM STRENGTH REQUIREMENTS AS SHOWN IN TABLE 1, SHEET 6. CONCRETE AND MASONRY SUBSTRATES MAY NOT BE CRACKED.
9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS FOLLOWING THE CURRENT VERSION OF THE REFERENCE DOCUMENTS:
FMA/AAMA 100(FIN WINDOWS), FMA/AAMA 200(FLANGE WINDOWS), FMA/WDMA 250(BOX WINDOWS), FMA/AAMA/WDMA 300(EXTERIOR DOORS)

**8100 PVC
SINGLE HUNG
NON-IMPACT**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



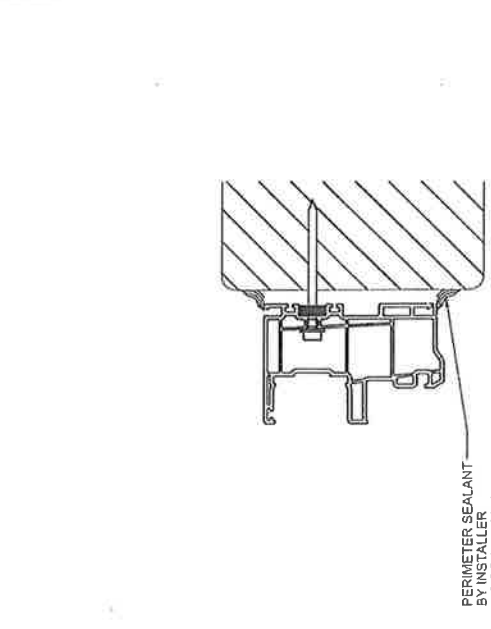
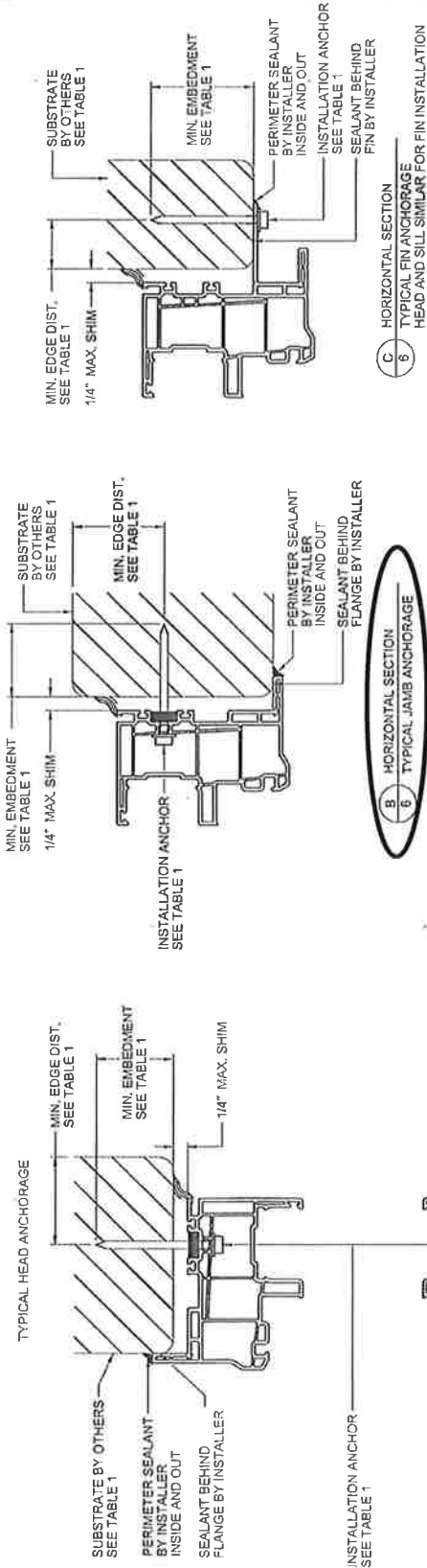
72
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY:	DATE:
BAT	04/29/08
DWG. R:	REV.:
CWS-154	F
SCALE:	SHEET
1:2	6 OF 6

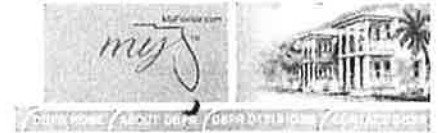


FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

TABLE 1: APPROVED INSTALLATION FASTENERS

FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CONCRETE (2.0 KSI MIN.)	3/16" ELCO ULTRACON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CONCRETE (2.0 KSI MIN.)	3/16" ELCO ULTRACON	1"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILT KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-1/2"	1/2"



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

FL4092-R8
Revision
2017
Approved

Comments
Archived

Product Manufacturer
Address/Phone/Email

Custom Window Systems Inc.
1900 SW 44th Avenue
Ocala, FL 34474
(352) 368-6922 Ext 245
kpine@cws.cc

Authorized Signature

Kevin Pine
kpine@cws.cc

Technical Representative
Address/Phone/Email

Jay Lathrop
1900 SW 44th Ave
Ocala, FL 34474
(352) 368-6922 Ext 291
jlathrop@cws.cc

Quality Assurance Representative
Address/Phone/Email

Arturo Monteverde
1900 SW 44th Ave
Ocala, FL 34474
(352) 368-6922 Ext 221
amonteverde@cws.cc

Category
Subcategory

Windows
Horizontal Slider

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

Lucas A. Turner

Florida License

PE-58201

Quality Assurance Entity

Keystone Certifications, Inc.

Quality Assurance Contract Expiration Date

07/21/2020

Validated By

Steven M. Ulrich, PE

✓ Validation Checklist - Hardcopy Received

Certificate of Independence

[FL4092_R8_COI_EvalReport223E.pdf](#)

Referenced Standard and Year (of Standard)

Standard	Year
AAMA/WDMA/CSA 101/I.S.2/A440-05	2005
AAMA/WDMA/CSA 101/I.S.2/A440-08	2008
PA TAS 202	1994

Equivalence of Product Standards
Certified By

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

09/27/2017

Date Validated

09/29/2017

Date Pending FBC Approval

10/03/2017

Date Approved

12/12/2017

Summary of Products

FL #	Model, Number or Name	Description
4092.1	HS-8200	8200 Vinyl Flange and Fin Horizontal Sliding Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: HS-8200, 54 x 62, 2 lite, DP 45 PSF; HS-8200, 125 5/8 x 62, 3 lite, DP 30 PSF. Glass complies with ASTM E1300-04.		Installation Instructions FL4092_R8_II_CWS-340E.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4092_R8_AE_EvalReport340E.pdf Created by Independent Third Party: Yes
4092.2	HS-8200	HS-8200 Vinyl Flange/Fin Horizontal Sliding Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +40/-40 Other: HS-8200 PVC Horizontal Slider, XO or OX, 72" x 72", DP 40 PSF. Glass conforms to ASTM E1300-04.		Installation Instructions FL4092_R8_II_CWS-223E.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4092_R8_AE_EvalReport223E.pdf Created by Independent Third Party: Yes
4092.3	HS-8200	HS-8200 PVC Horizontal Slider, OX or XO.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: HS-8200 PVC Horizontal Slider, XO or OX, 74" x 54". See Installation drawings for Design Pressure. Glass complies with ASTM E1300-04.		Installation Instructions FL4092_R8_II_CWS-486C.pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL4092_R8_AE_EvalReport486C.pdf 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:



Credit Card
Safe



Evaluation Report 340E
August 28, 2017

Product Description: Series 8200 PVC Horizontal Slider Window, Non Impact, 54" x 62" unit size XO or OX, and 125 5/8" x 62" unit size XOX

Manufacturer: Custom Window Systems, Inc. 1900 SW 44th Ave, Ocala, FL 34474

Statement of Compliance: This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 6th Edition (2017) Florida Building Code outside the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

- 1) This report, prepared by Lucas A. Turner, P.E., at 1239 Jabara Ave., North Port, FL
- 2) Approval drawing CWS-340E, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report NCTL-210-3522-2 and -2A, NCTL-210-3525-1 and -2, and NCTL-210-3459-1, -1A, -2 and -2A from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E.
 - a. Testing Performed: AAMA/WDMA/CSA 101/L.S.2/A440-05
- 4) Supplemental Calculations to support CWS-340E, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document CWS-340E.

Limitations of Use: This product:

- May be used in O/X or X/O configuration in sizes up to 54" x 62" unit size, and X/O/X configuration in sizes up to 125 5/8" x 62" unit size, with max. glass daylight widths as shown in CWS-340E
- Achieves design pressures as indicated in comparative analysis tables in CWS-340E
- Is non-impact and requires the use of shutters
- May not be used in the High Velocity Hurricane Zone
- Requires glazing as shown in CWS-340E
- Requires Quanex (Mikron) white rigid PVC extrusions as shown in CWS-340E

Certification of Independence: I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Custom Window Systems or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.

Lucas
Turner
2017-08-30
16:03+20:00



LT
8/28/17
Lucas A. Turner, P.E.
FL PE #58201



**8200 PVC
HORZ. SLIDER
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THIS INFORMATION CONTAINED
HEREIN IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS
A WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



8/28/2017
LUCAS A. TURNER, P.E.
FL PE# 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
GENERAL NOTES AND
ELEVATIONS
DRAWN BY: AAJ DATE: 07/01/08
DWG #: CWS-340 REV.: E
SCALE: 1:33.33 SHEET 1 OF 8

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE (FBC), CURRENT EDITION.
2. GLAZING OPTIONS: (SEE SHEET 2)
3. CONFIGURATIONS: "OX", "XO", "XOX".
4. DESIGN PRESSURE RATING (SEE SHEET 3):
-NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
-POSITIVE DESIGN LOADS BASED ON TESTED PRESSURE, WATER INFILTRATION TEST PRESSURE AND GLASS TABLES ASTM E-1300-04e01/09.
5. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 8 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
7. ALL FRAMES AND VENTS FULLY WELDED. SMALL JOINT SEAM SEALANT USED AT FIXED MEETING RAIL AND JAMB.
8. SERIES / MODEL DESIGNATION HS-4200.
9. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
X = OPERABLE SASH, O = FIXED SASH
10. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.
11. EXTERNAL WEEP SLOT = 1/4" x 1" LOCATED 6" FROM BOTH ENDS.

Lucas
Turner
2017-08-30
17:13+20:00

HORIZONTAL SLIDER - NON-IMPACT
(SHOWN W/DIFFERENT OPTIONS)

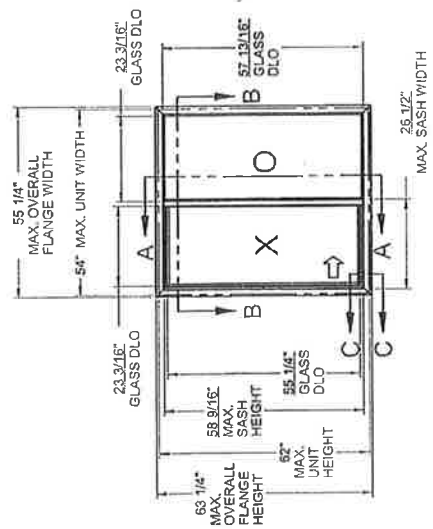
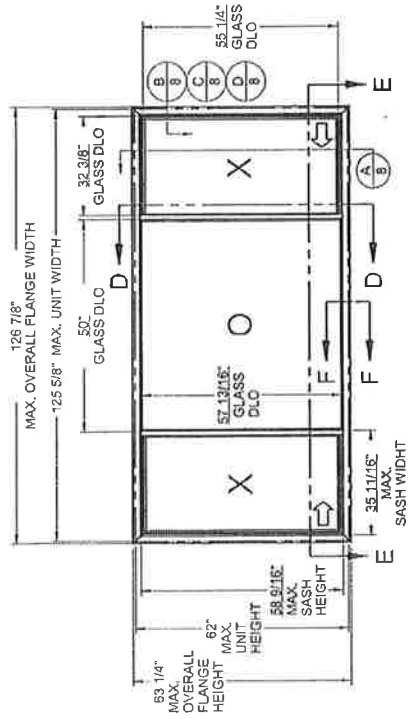


TABLE OF CONTENTS

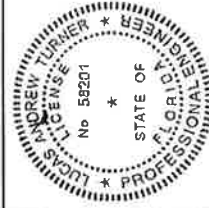
- GENERAL NOTES & ELEVATIONS.....1
- GLAZING DETAILS.....2
- COMPARATIVE ANALYSIS.....3
- SECTION VIEWS & ALT. FRAME.....4-6
- EXTRUSIONS & B.O.M.....7
- ANCHOR SCHEDULE & NOTES.....7
- INSTALLATION DETAILS.....8

CONFIG.	MAX. UNIT SIZE	DESIGN PRESSURE RATING	IMPACT RATING
XO	54" x 62"	SEE COMPARATIVE ANALYSIS	NONE
XOX 1/4 1/2 1/4	125-5/8" x 62"	CHART, SHEET 3	NONE

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE
OCALA, FLORIDA 34474
WWW.CWVS.CC

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS A
WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



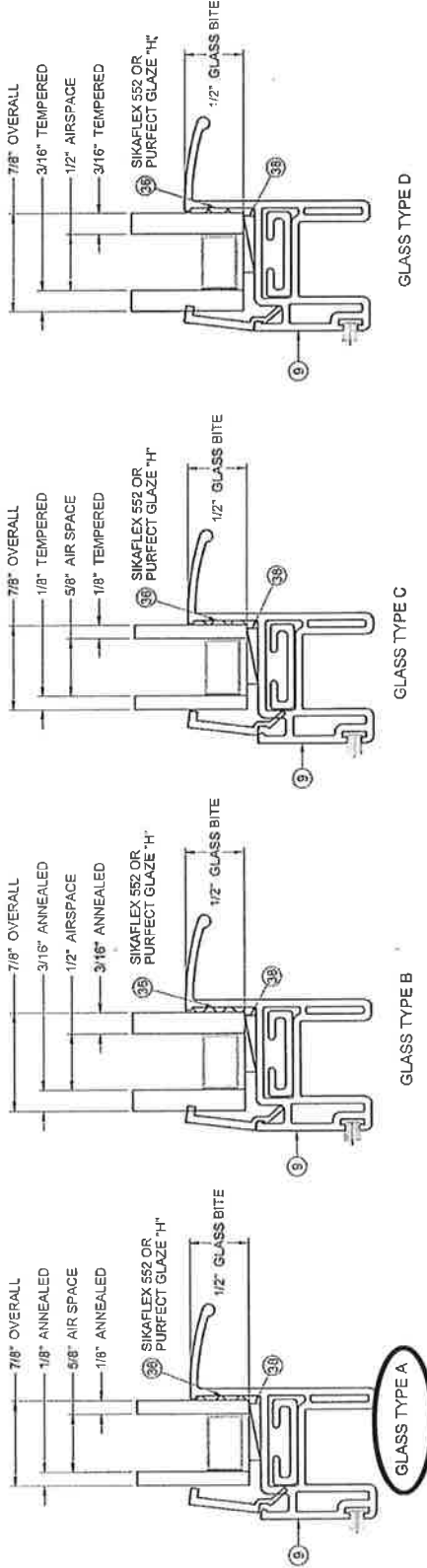
ZZ
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1259 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

GLAZING DETAILS

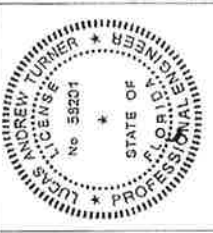
DRAWN BY:	AAJ	DATE:	07/01/08
DWG #:	CWS-340	REV:	E
SCALE:	1:1	SHEET	2 OF 8





8200 PVC
HORZ. SLIDER
NON-IMPACT

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 59201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
COMPARATIVE ANALYSIS
DRAWN BY: AAJ DATE: 07/01/08
DWG #: CWS-340 REV: E
SCALE: 1:1 SHEET 3 OF 8

XOXX DESIGN PRESSURES (GLASS TYPE B OR D IN THE FIXED LITE, GLASS TYPE A, B, C, OR D IN THE SASH)

UNIT HEIGHT (IN)	UNIT WIDTH (IN)											
	55	65	75	87	1/2	108	3/4	110	1/4	120	125	5/8
17	7/8	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
29	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
31	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
35	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
39	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
41	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
43	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
47	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
51	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
53	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
55	1/2	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45	+45/-45
62		+45/-45	+44.9/-44.9	+40.4/-40.4	+36.4/-36.4	+33.1/-33.1	+32.1/-32.1	+31.8/-31.8	+30.6/-30.6	+30/-30		

XO OR OX DESIGN PRESSURES (GLASS TYPE A, B, C, OR D)

UNIT HEIGHT (IN)	UNIT WIDTH (IN)									
	29.5	31.5	35.5	39.5	41.5	43.5	47.5	51.5	54	
17.875	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-61.9	+45/-54.6	+45/-50.8	
29.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
31.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
35.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
39.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
41.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
43.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
49	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
51.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
53.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
55.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
59.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	
62	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-67.5	+45/-58.2	+45/-49.5	+45/-45	

NOTES:
1. IF SIZE INTENDED IS NOT SHOWN, USE NEXT LARGER SIZE
2. ALL XOXX UNITS MUST USE EITHER GLASS TYPE B OR TYPE D ONLY.

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



ZZ
8/28/2017

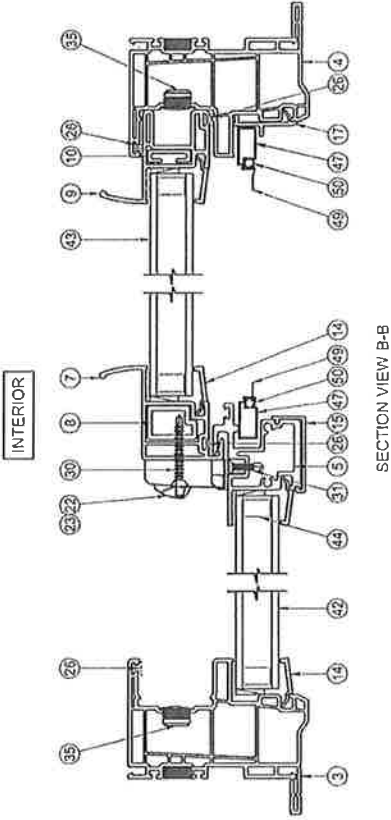
LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH BORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

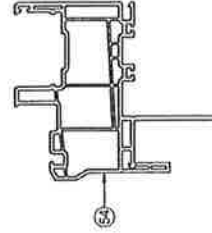
SECTION VIEWS

OX

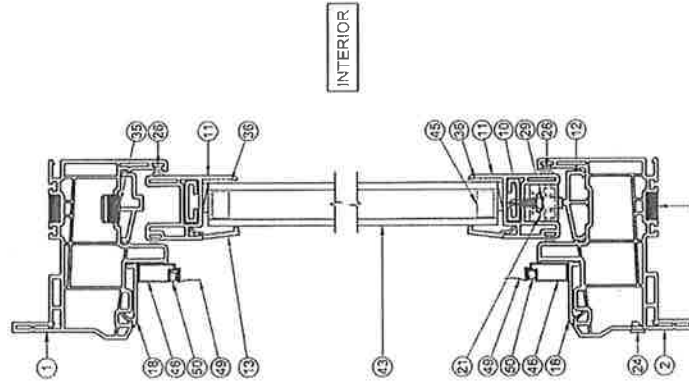
DRAWN BY:	AAJ	DATE:	07/01/08
DWG. NO.:	CWS-340	REV.:	E
SCALE:	1:2	SHEET:	4 OF 8



SECTION VIEW B-B



SECTION VIEW C-C
ALTERNATE FIN FRAME



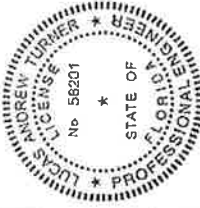
SECTION VIEW A-A

ITEMS NOT SHOWN FOR CLARITY:
20, 25, 27, 34, 39, 40, 41, 48, 51, 52

Custom
WINDOW SYSTEMS
1800 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWS.CC

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

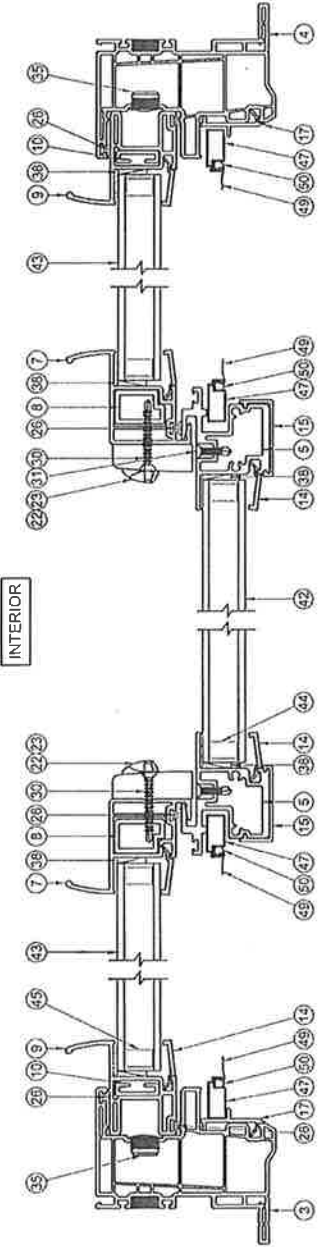
PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN
THIS DRAWING IS THE SOLE
PROPERTY OF CUSTOM WINDOW
SYSTEMS, INC. ANY
REPRODUCTION IN PART OR AS
WHOLE WITHOUT THE WRITTEN
PERMISSION OF CUSTOM WINDOW
SYSTEMS, INC IS PROHIBITED.



ZZ
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 56201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

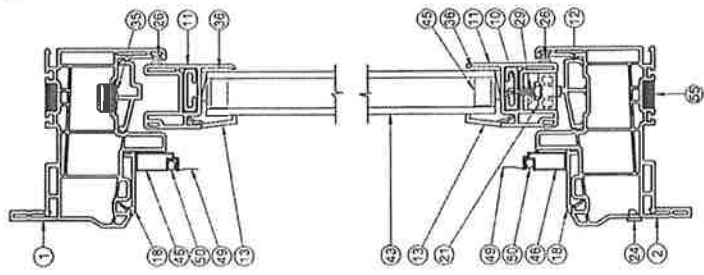
SHEET DESCRIPTION: SECTION VIEWS XOX	
DRAWN BY: AAJ	DATE: 07/01/08
DWG #: CWS-340	REV: E
SCALE: 1:2	SHEET 5 OF 8



SECTION VIEW E-E



SECTION VIEW F-F
ALTERNATE FIN FRAME



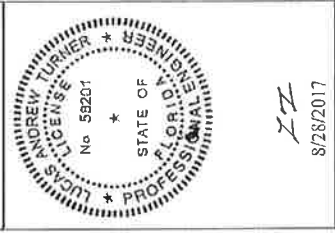
SECTION VIEW D-D

ITEMS NOT SHOWN FOR CLARITY:
20, 25, 27, 34, 39, 40, 41, 48, 51, 52



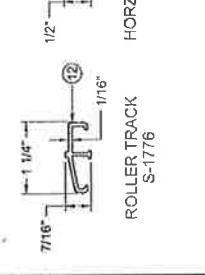
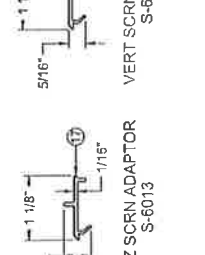
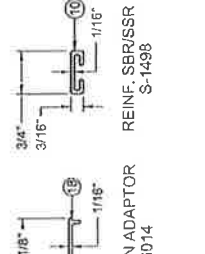
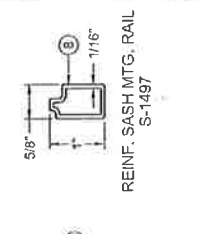
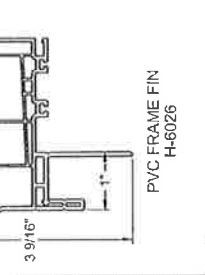
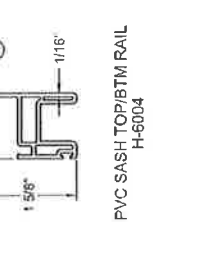
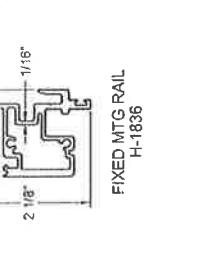
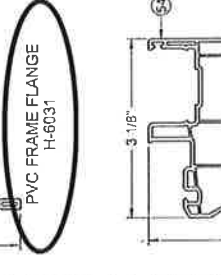
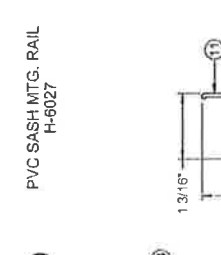
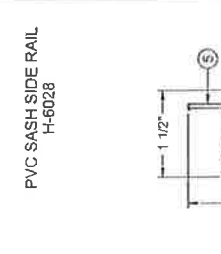
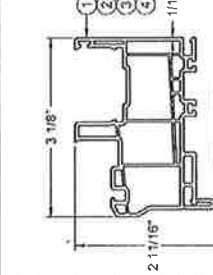
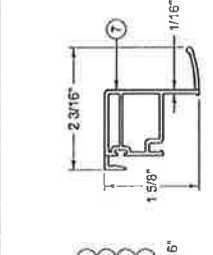
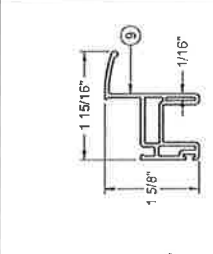
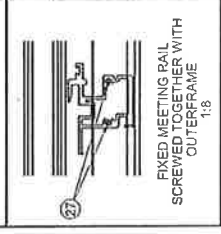
**8260 PVC
HORZ. SLIDER
NON-IMPACT**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



ZZ
8/28/2017
LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:
BOM AND EXTRUSIONS
DRAWN BY: AAJ DATE: 07/01/08
DWG NO: CWS-340 REV: E
SCALE: 1:2 SHEET 6 OF 8



ITEM	PART #	DESCRIPTION	VENDOR	MATERIAL
1	H-6031	Main Fr., SH, w/Flg., PVC, Head	Mikron	PVC
2	H-6031	Main Fr., SH, w/Flg., PVC, Sill	Mikron	PVC
3	H-6031	Main Fr., SH, w/Flg., PVC, L. Jb.	Mikron	PVC
4	H-6031	Main Fr., SH, w/Flg., PVC, R. Jb.	Mikron	PVC
5	H-1836	Meet. Rail, Fxd.	Keymark	Alum
6	S-6005	Anti-Lit / Roller track	Mikron	PVC
7	H-6027	Sash Meet. Rail, PVC	Keymark	Alum
8	H-1497	Reinf. Sash Meet. Rail	Mikron	PVC
9	H-6028	Sash Bottom Rail, PVC (S.S.R. for HS)	Keymark	Alum
10	S-1498	Reinf. S.B.R./S.S.R.	Mikron	PVC
11	H-6004	Sash Top/Bot. Rail	Keymark	Alum
12	S-1776	Roller track	Mikron	PVC
13	S-6064	Glz. Bd., 7/8" Fxd., Horiz.	Mikron	PVC
14	S-6064	Glz. Bd., 7/8" Fxd., Vert.	Mikron	PVC
15	S-6063	Fixed Rail Cover	Mikron	PVC
17	S-6013	Scr. Adapt., w/ Nib, PVC	Mikron	PVC
18	S-6014	Scr. Adapt., PVC	Mikron	PVC
21	P-3604	Roller, Tandem	M&M	Nylon
22	P-3783	SpringLock, Impact, PVC	Interlock	Zinc
23	P-4069	Keeper, Impact, PVC	Interlock	Zinc
24	P-4479	WEEP Cover, w/ Flap	M&M	Nylon
25	P-3593	Reinf. Plate, F.M.R.	BearMetals	Alum
26	P-3429	W/Slp., 0.270 x .187 back FinSeal, Gray	Ultrafab	Alum
27	P-4636	#8 x 2.5 Ph Modified Truss, Type A TEK	Fastenal	Steel
29	P-3766	#8 x 0.625 Ph PH SWS	Fastenal	Steel
30	P-4051W	#8 x 1.250 Ph FH TEK, Wht.	Fastenal	Steel
31	P-3748W	#5 x 0.625 Quad FH TEK, Wht.	Fastenal	Steel
34	P-3342	Seam Sealer, SM-5504	Schnee	Silicone
35	P-3752	Cap Plug, 1/2" Hole	M&M	Nylon
36	P-3352	Perfect Glaze "H" or Sikaflex 552	Hankel / Sika	Silicone
38	P-3352	Self. Blk., 85 Dur., 1/8" x 5/8" x 2" Lg.	FrankLowe	Rubber
39	P-3683	HS-9200 Gold Cert. Label, NFRIC, Non-Impact ASTM E		
40	P-3581	Temporary Lbl. (NFRIC/DP)		
41	P-3613	CWS Lbl. (logo)		
42		Glass, Fixed		
43		Glass, Sash		
44	P-3281	Spacer, DuraSeal, Fixed	Tremco	
45	P-3281	Spacer, DuraSeal, Sash	Tremco	
46	P-3278	Screen Frame, Horiz.	Almetal	RollForm
47	P-3278	Screen Frame, Vert.	Almetal	RollForm
48	P-3321	Screen Frame Corner Key	Almetal	Nylon
49	P-3581	Screen Cloth, 18 x 16 Fiberglass		
50	P-3228	Screen Spline, .155 Dia., Blk.	Dapa	
51	P-3029	Screen Pull Tab	Hurley	
52	P-3033	Screen Spring, SS	Fia.Spring	
54	H-6026	Main Fr., SH, w/ Fin., PVC	Mikron	PVC
55	P-3113	IScrew Support, PVC	Team Plastic	Rubber

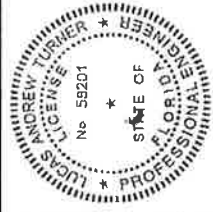
LINE ITEMS NOT USED:
16, 19-20, 28, 32-33, 37, 53

NOTE: ALL EXTRUSIONS ARE ALUMINUM 6063-T6 UNLESS OTHERWISE NOTED.

Custom
WINDOW SYSTEMS
1900 SW 44TH AVE.
OCALA, FLORIDA 34474
WWW.CWSINC

**8200 PVC
HORZ. SLIDER
NON-IMPACT**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.

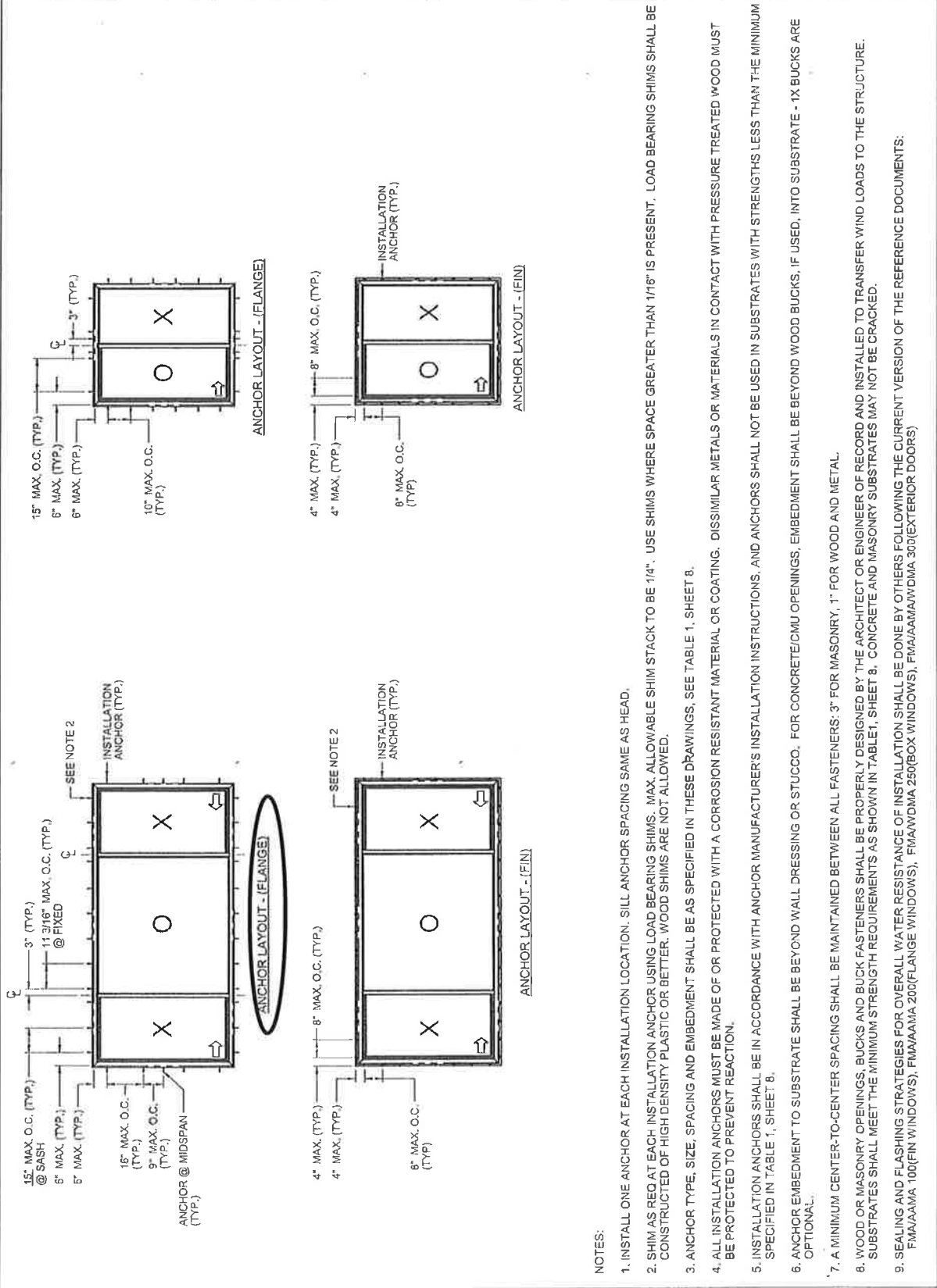


ZZ
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1239 JABARA AVE.
NORTH PORT, FL 34288
PH. 941-380-1574

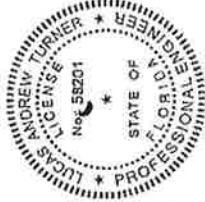
SHEET DESCRIPTION:
ANCHOR SCHEDULE AND NOTES

DRAWN BY:	AAJ	DATE:	07/01/08
DWG. #:	CWS-340	REV.:	E
SCALE:	1:40	SHEET	7 OF 8



**8200 PVC
HORZ. SLIDER
NON-IMPACT**

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CUSTOM WINDOW SYSTEMS, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CUSTOM WINDOW SYSTEMS, INC IS PROHIBITED.



ZZ

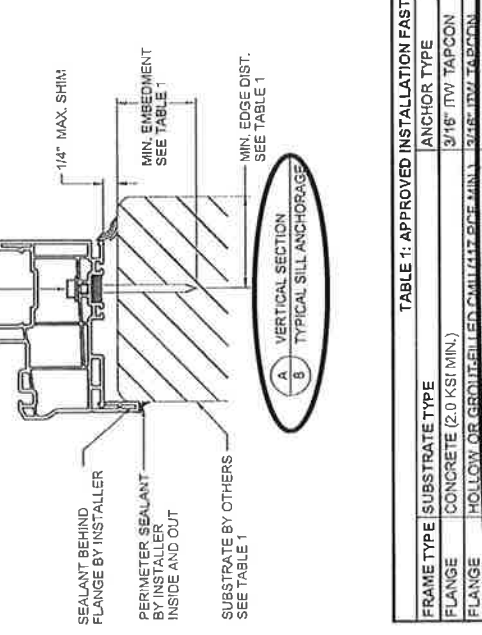
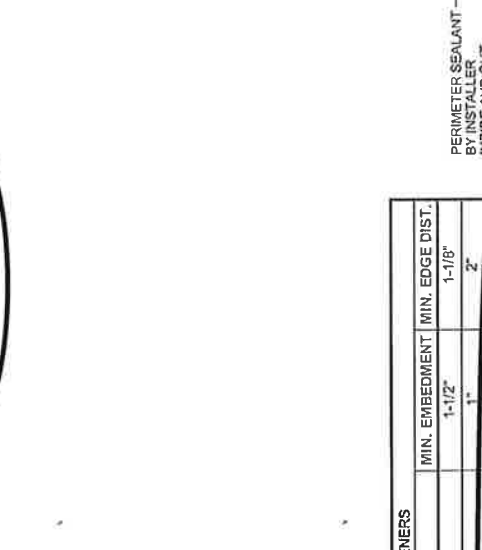
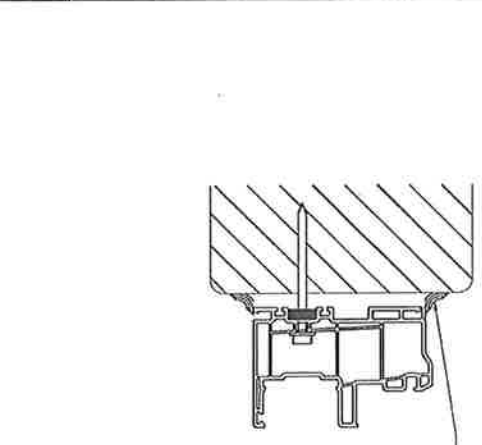
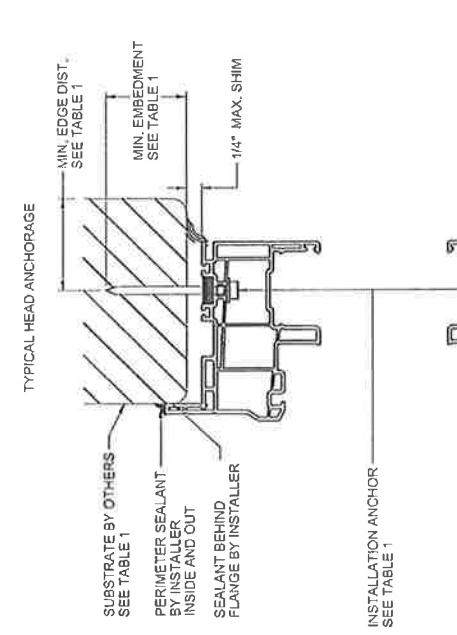
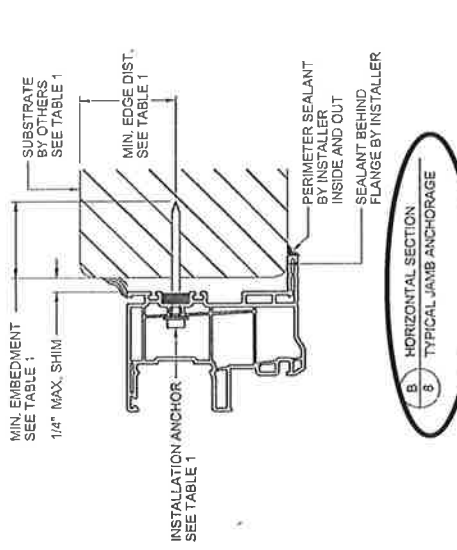
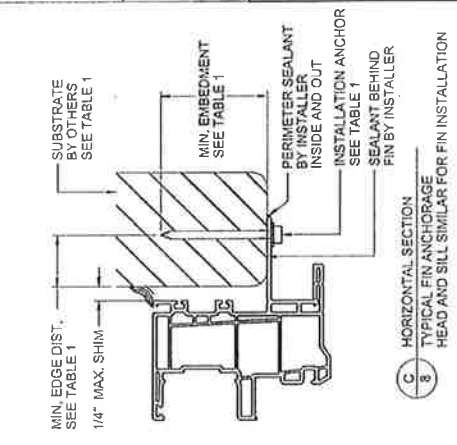
8/28/2017

LUCAS A. TURNER, P.E.
FL PE # 58201
1238 JABARA AVE.
NORTH FORT, FL 34288
PH. 941-380-1574

SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY: AAJ DATE: 07/01/08
DWG #: CWS-340 REV: E
SCALE: 1:2 SHEET 8 OF 8



C HORIZONTAL SECTION
TYPICAL FIN ANCHORAGE
HEAD AND SILL SIMILAR FOR FIN INSTALLATION

B HORIZONTAL SECTION
TYPICAL JAMB ANCHORAGE

A VERTICAL SECTION
TYPICAL SILL ANCHORAGE

FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:
- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

TABLE 1: APPROVED INSTALLATION FASTENERS

FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST.
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (4175 CFC MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CMU (ASTM C90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	1/8" GAUGE (0.0607) MIN. STEEL STUD (33 KSI YIELD MIN.)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#8 WOOD SCREW	1-1/2"	7/16"

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION

CGC061890

ISSUED: 08/11/2016

CERTIFIED GENERAL CONTRACTOR
BURNETT, WAYNE THOMAS
FLORIDA HOME-IMPROVEMENT ASSOCIATE

IS CERTIFIED under the provisions of Ch. 489 FS.
Expiration date : AUG 31, 2018 L1608110002287

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER	
CGC061890	

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018



BURNETT, WAYNE THOMAS
FLORIDA HOME-IMPROVEMENT ASSOCIATES INC
3044 SW 42 ST
FORT LAUDERDALE FL 33312



ISSUED: 08/11/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1608110002287



FLORIO5

OP ID: ZB

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

02/22/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The John Galt Insurance Agency 6300 NW 5th Way, Suite 100 Ft. Lauderdale, FL 33309 Graham Troyer	954-440-2800	CONTACT NAME: Graham Troyer	PHONE (A/C, No, Ext): 954-440-2800	FAX (A/C, No): 954-440-2833
	E-MAIL ADDRESS:			
INSURER(S) AFFORDING COVERAGE				NAIC #
INSURER A: Scottsdale Insurance/Indemnity				41297
INSURER B: Commerce & Industry Ins Co				19410
INSURER C: Amtrust North America, Inc.				
INSURER D:				
INSURER E:				
INSURER F:				

INSURED
Florida Home Improvement Associates, Inc.
 3044 SW 42nd St
 Hollywood, FL 33312

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			BCS0036900	02/28/2018	02/28/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ excluded PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
C	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			WPP1612223-00	02/02/2018	02/02/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			XLS0104159	02/28/2018	02/28/2019	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER **CANCELLATION**

City of Belle Isle 1600 Nela Avenue Belle Isle, FL 32809	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>James D. Rudd</i>
---	--



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/30/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Bateman Gordon and Sands 3050 North Federal Hwy Lighthouse Point FL 33064	CONTACT NAME: PHONE (A/C, No, Ext): 954-941-0900 FAX (A/C, No): 954-941-2006 E-MAIL ADDRESS: MZielinski@bgsagency.com														
	<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Amerisure Mutual Insurance Co.</td> <td>23396</td> </tr> <tr> <td>INSURER B :</td> <td></td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Amerisure Mutual Insurance Co.	23396	INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :
INSURER(S) AFFORDING COVERAGE	NAIC #														
INSURER A : Amerisure Mutual Insurance Co.	23396														
INSURER B :															
INSURER C :															
INSURER D :															
INSURER E :															
INSURER F :															
INSURED Florida Home-Improvement Associates, Inc 3044 SW 42 Street Hollywood FL 33312	FLOHO4														

COVERAGES **CERTIFICATE NUMBER: 1980980022** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$	
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$	
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$	
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC21001640302	4/1/2018	4/1/2019	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 Workers Compensation: Blanket Waiver of Subrogation, as required by written contract, per WC000313 0484
 ALL COVERAGES SUBJECT TO THE POLICY TERMS, CONDITIONS AND EXCLUSIONS

CERTIFICATE HOLDER**CANCELLATION**

City of Belle Isle
 1600 Nela Avenue
 Belle Isle FL 32809

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

© 1988-2010 ACORD CORPORATION. All rights reserved.



RICK SINGH, CFA - ORANGE COUNTY PROPERTY APPRAISER

- [Searches](#)
- [Sales Search](#)
- [Results](#)
- [Property Record Card](#)
- [My Favorites](#)

[Sign up for e-Notify...](#)

2814 Trentwood Blvd < 30-23-30-1884-01-010 >

Name(s)	Physical Street Address
Lynch Maggie	2814 Trentwood Blvd
Santiago George	Postal City and Zipcode
Doneff John E	Orlando, Fl 32812
Mailing Address On File	Property Use
2814 Trentwood Blvd	0103 - Single Fam Class III
Belle Isle, FL 32812-4838	Municipality
Incorrect Mailing Address?	Belle Isle



View 2017 Property Record Card

- [Property Features](#)
- [Values, Exemptions and Taxes](#)
- [Sales Analysis](#)
- [Location Info](#)
- [Market Stats](#)
- [Update Information](#)

2018 values will be available in August of 2018.

Property Description

[View Plat](#)

DAETWYLER SHORES 1ST REPLAT V/42 LOT 1 BLK A

Total Land Area 14,199 sqft (+/-) | 0.33 acres (+/-) GIS Calculated Notice

Land

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
0100 - Single Family	R-1-AA	1 LOT(S)	working...	working...	working...	working...

Page 1 of 1 (1 total records)

Buildings

Important Information		Structure				
	Model Code:	01 - Single Fam Residence	Actual Year Built:	1959	Gross Area:	2830 sqft
	Type Code:	0103 - Single Fam Class III	Beds:	4	Living Area:	2263 sqft
	Building Value:	working...	Baths:	2.0	Exterior Wall:	Concrete/Cinder Block
	Estimated New Cost:	working...	Floors:	1	Interior Wall:	Drywall

Page 1 of 1 (1 total records)

Extra Features

Description	Date Built	Units	XFOB Value
FPL1 - Basic Fireplace	06/09/1992	1 Unit(s)	working...
PL2 - Above Average Pool	01/01/1988	1 Unit(s)	working...
SCR2 - Scrn Enc 2	01/01/1988	1 Unit(s)	working...

Page 1 of 1 (3 total records)

This Data Printed on 03/29/2018 and System Data Last Refreshed on 03/28/2018