



City of Belle Isle

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

PERMIT CARD – PLEASE POST AT JOB SITE

THIS DOCUMENT BECOMES YOUR PERMIT WHEN PROPERLY VALIDATED

Per FBC 105.3.3: An enforcing authority may not issue a building permit for any building construction, erection, alteration, modification, repair or addition unless the permit either includes on its face or there is attached to the permit the following statement: "NOTICE: In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of this county, and there may be additional permits required from other governmental entities such as water management districts, state agencies, or federal agencies." The issuance of this permit does not grant permission to violate any applicable City, Orange County, State of Florida and/or Federal codes and/or ordinances. Separate permits are required for Signs, Roofing, Electrical, Gas, Plumbing and Mechanical services. This permit becomes VOID if the work authorized is not commenced within 6 months, or is suspended or abandoned for a period of 6 months after commencement. **WORK SHALL BE CONSIDERED SUSPENDED IF AN APPROVED INSPECTION HAS NOT BEEN MADE WITHIN A 6 MONTH PERIOD.** PERMISSION IS GRANTED TO DO THE FOLLOWING WORK ACCORDING TO THE CONDITIONS HEREON AND THE APPROVED PLANS AND SPECIFICATIONS, SUBJECT TO COMPLIANCE WITH THE ORDINANCES OF THE CITY OF BELLE ISLE, FLORIDA.

Scope of Work: BUILDING: 20 size for size window replacements & 3 size for size door replacements

Comments: None

Project Information

Address: 5393 Chiswick Circle, Belle Isle, FL 32812
Parcel ID: 20-23-30-9373-00-570
Property Owner: Mendoza, Richard
Phone Number: 407 234 9875

Company Name: FASWD, LLC
Contractor Name: Varga, Scott
License Number: CGC1518212
Address: 3020 Mercy Drive, Orlando, FL 32808
Phone Number: 407-489-8683

Permit Number: 2015-04-013

Date of Application: 04/03/2015

Date Permit Issued: 04/07/2015

WARNING TO OWNER: "YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU 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." ON THE JOB INSPECTION(S) MUST BE MADE BEFORE PROCEEDING WITH SUBSEQUENT WORK. THIS CARD MUST BE DISPLAYED OUTSIDE AND BE PROTECTED FROM THE WEATHER WHILE BEING VISIBLE FROM THE STREET UNTIL THE FINAL INSPECTIONS HAVE BEEN APPROVED.

BUILDING FEATURES

IMPACT FEES

School \$
 Traffic \$

ZONING FEES

Zoning Fee \$

UNIVERSAL ENG - BUILDING FEES

Cert of Occ \$
 Demo \$
 Building \$
 Fence \$
 Driveway \$
 Shed \$
 Window(s) \$139.50
 Door(s) \$
 PrePower \$
 Electrical \$
 Temp Pole \$
 Plumbing \$
 Mechanical \$
 Gas \$
 Roofing \$
 Boat Dock \$
 Screen Encl \$
 Swimming Pool \$
 Sign \$

SURCHARGE FEES

Surcharge Fee \$2.18
 Surcharge Fee \$2.18

TOTAL FEES \$143.68

Date Paid 4-7-15

CC or Check # 4147 VISA

Amount Paid 143.68

BUILDING INSPECTOR USE ONLY

IF APPLICABLE:

Have Zoning Approval Conditions Been Met? YES NO Have Stormwater Approval Conditions Been Met? YES NO Silt fencing in place? YES NO Turbidity Barrier in place? YES NO

BUILDING

1st (Footing/Foundation)
 Survey specific foundation plan must be onsite before slab pour. Approved Plan on Site? ____
 2nd (Slab)
 3rd (Lintel)(Wall Reinforcing on Masonry Building)
 4th (Exterior Framing)(Roof/Wall Sheathing)
 5th (Framing) (To be made after Plumbing/ Mechanical/ Electrical Rough-Ins & Windows/Doors Installed)
 6th (Insulation to be Made After Roof Installed)
 7th (Drywall)
 8th (Sidewalk/Driveway)
 9th (Other)
 10th (Final – After MEP and Other Applicable Finals)

ROOFING

1ST ROOFING Deck Nailing/Dry-in/Flashing _____
 2nd ROOFING Covering In-Progress _____
 3rd ROOFING Covering Final _____

PLUMBING (Pool-Piping, Solar, Irrigation, Water Treatment Equip, Etc...)

1ST (Underground) 2nd (Sewer)
 3rd (Rough-In/Tub Set) 4th (Final)

CHECK APPROPRIATE BOX

GAS ___ Natural ___ LP MECHANICAL ELECTRICAL LOW VOLTAGE

1st (Rough-In) 2nd (Final)

Inspection requests are to be emailed to BIDScheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. **Next-Day Inspection requests must be made by 1pm.** 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.

For a copy of your permit, or to check inspection results, please visit <https://universalengineering.sharefile.com/f/f094edc4-832d-44bd-9809-ecf32f9e2e63>

login ID = cobi@universalengineering.com

password = universal13



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
4-3-15

Building Permit (Land Use) Application

DATE: 3-20-15

PERMIT # 2015-04-013

PROJECT ADDRESS 5393 Chiswick Circle, Belle Isle, FL 32809 32812
PROPERTY OWNER Richard Mendoza PHONE 407-234-9875 VALUE OF WORK (labor & material) \$ 17986.00

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

Replace 20 size for size windows and 3 size for size doors

Please provide information, if applicable.

- Survey specific foundation plan required to show compliance with zoning setbacks
- **BOAT DOCK:** DEP Clearance Required with Application (Call 407-897-4100); please provide a copy of their report
- **SEPTIC SYSTEM (RESIDENTIAL):** - Provide verification of OC Health Dept approval for on-site septic tank system, per FAC Chap. 64E-6
- Homeowners will be required to have a contractor on record for homes that are rented and/or not homestead

20-23-30-9373-00-570

Please Complete for the City of Belle Isle Zoning Review: Parcel Id Number: _____

To obtain this information, please visit <http://www.ocpafl.org/Searches/ParcelSearch.aspx>

SPECIAL CONDITIONS: STRUCTURES MAY NOT ENCROACH INTO ANY EASEMENT OR REQUIRED SETBACK. Note, this Zoning Approval MAY or MAY NOT be in conflict with your Deed Restrictions. For New Single Family Residence, a Traffic Impact Fee and School Impact will be assessed.

Attached Survey _____ SETS and Construction Plans _____ SETS

PLANNING & ZONING APPROVAL: _____
DATE _____

PLEASE COMPLETE for Building Review

CONSTRUCTION TYPE _____
 OCCUPANCY GROUP Comm Res: Single Fam Multi Fam
 #BLDG. _____ #UNITS _____ #STORIES _____ TOTAL SQ.FT. _____
 MAX. FLOOR LOAD _____ MAX. OCCUPANCY _____
 MIN. FLOOD ELEV. _____ LOW FLOOR ELEV. _____
 WATER SERVICE _____ WELL _____ SEPTIC _____

BUILDING REVIEWER ca DATE 4-7-15

VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE _____ DATE _____

Per FSS 105.3.3:

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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.

SEPARATE PERMITS ARE REQUIRED FOR ROOFING, ELECTRICAL, PLUMBING, GAS, MECHANICAL, SIGNS, POOLS, ENCLOSURES, ETC.

Wind Exposure Category: B C D

SPRINKLERS REQ'D Y N

If Required - SUBMIT COPY OF PLANS FOR FIRE

REVIEW Date: Sent _____ RCD _____

REVIEW	Y	N	\$
ZONING	Y	N	\$ _____
CERT OF OCC	Y	N	\$ _____
TRAFFIC	Y	N	\$ _____
SCHOOL	Y	N	\$ _____
FIRE	Y	N	\$ _____
SWIMMING POOL	Y	N	\$ _____
SCREEN ENCLOSURE	Y	N	\$ _____
ROOFING	Y	N	\$ _____
BOAT DOCK	Y	N	\$ _____
BUILDING	Y	N	\$ _____
WINDOW(S)	Y	N	\$ <u>139.50</u>
DOOR(S)	Y	N	\$ _____
FENCE	Y	N	\$ _____
SHED	Y	N	\$ _____
DRIVEWAY	Y	N	\$ _____
OTHER	Y	N	\$ _____

3% FL SURCHARGE 4.18

TOTAL 143.68

By Owner Form Y NA

Notice of Commencement Y NA

Power of Attorney Y NA

Contractor Packet Incuded? Y N

OTHER PERMITS REQUIRED:

PERMIT	Y	NA
ELECTRICAL	Y	NA
PREPOWER	Y	NA
MECHANICAL	Y	NA
PLUMBING	Y	NA
ROOFING	Y	NA
GAS	Y	NA



Building Permit (Land Use) Application

To be completed as required by State Statute Section 713 and other applicable sections.

PERMIT # 2015-04-013

Owner's Name Richard Mendoza
 Owner's Address 5393 Chiswick Circle

Contractor Name <u>Scott A. Varga</u>	Company Name <u>FASWD, LLC</u>
License # <u>CGC1518212</u>	Company Address <u>3020 Mercy Dr.</u>
Contact Phone/Cell <u>407-489-8683</u>	City, State, ZIP <u>Orlando FL 32808</u>
Contact Email <u>Jeana.mail@gmail.com</u>	Contact Fax <u>407-830-5602</u>

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 if job is \$2500(+) or if A/C Replacement \$7500(+) 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.

I hereby make Application for Permit as outlined above, and if same is granted I agree to conform to all Division of Building Safety Regulations (www.floridabuilding.org) and City Ordinances (www.municode.com) regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable City and/or State of Florida codes and/or ordinances. Application is hereby made to obtain a permit to do the work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I understand that a **separate** permit must be secured for all other construction including ROOFING, ELECTRICAL, MECHANICAL, PLUMBING, GAS, SIGNS, POOLS, SCREEN ENCLOSURES, ETC.

OWNER'S AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning.

Owner Signature [Signature]
 The foregoing instrument was acknowledged before me this 3/20/15
 by Richard Mendoza who is personally known to me
 and who produced D.L.
 as identification and who did not take an oath.
 Notary as to Owner
 State of Florida
 County of Orange



Contractor Signature [Signature]
 COMPANY NAME FASWD, LLC
 The foregoing instrument was acknowledged before me this 3/20/15
 by Scott A. Varga who is personally known to me
 and who produced _____
 as identification and who did not take an oath.
 Notary as to Owner
 State of Florida
 County of Orange



Impervious Surface Ratio Worksheet
 Development Zoned A-1, A-2, R-1-AAA, R-1-AA, R-1-A, R-1 per
 City Code, Section 50-74: Impervious Surface Ratio

- Total Lot Area (sqft) X 0.35 = Allowable Impervious Area (BASE).
 Total Lot Area _____ X 0.35 = _____
 Allowable Impervious Area (BASE) _____
- Calculate the "proposed" impervious area on the lot. This includes the sum of all areas that do not allow direct percolation of rainwater. Examples include house, pool, deck, driveway, accessory building, etc.
 - House _____
 - Driveway _____
 - Walkway _____
 - Accessory Buildings _____
 - Pool & Spa _____
 - Deck & Patio _____
 - Other _____
 Actual Impervious Area (AIA) _____
- If AIA is less than BASE, subtract AIA from BASE to determine the amount of impervious area that may be added without providing onsite retention.
- If AIA is greater than BASE, then onsite retention **must be provided**.

Assuming 7.5 inches of rainfall based on a 24hr 10 year Rain Event (TP40), the formula is: (7.5 inches rainfall/12 inches p/foot) X (result from line 4) = cubic feet of storage volume needed

NOTICE OF COMMENCEMENT

State of Florida
County of Orange
Parcel ID: 20-23-30-9373-00-570 Permit #:

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

1. Legal description of Property (and street address if available): Windsor Place Ph1 30/28 Lot 57 5393 Chusnick Cir.
2. General description of improvement: Window Replacement
3. a. Owner name/address: Richard & Tracy Mendoza 5393 Chusnick Cir Belle Isle, Fl. 32812
b. Interest in property:
c. Name and address of fee simple title holder (if other than owner):
4. Contractor Name and Address: FASWD, LLC
3020 MERCY DRIVE, ORLANDO, FL 32808
Phone: 407-770-0184 Fax: 407-770-0187
5. Surety - Name and Address: MA
Amount of bond: \$
6. Lender - Name and Address: MA
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a) 7, Florida Statutes:
8. In addition to him/herself, Owner designates the following person(s) to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes [Provide Name/Mailing Address]:
9. NOC expiration date (one full year from the date of recording unless different date is specified):

10237

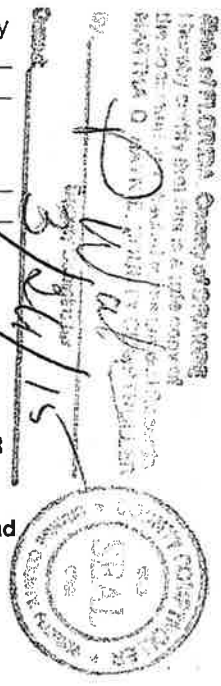
WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED 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.

Verification pursuant to Section 92.525, Florida Statutes: Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Richard Mendoza
Signature of Owner/A Natural Person (or Owner's Authorized Officer/Director/Partner/Manager)

The foregoing instrument was acknowledged before me this 16 day of Feb, 2015 by Richard Mendoza (print name of person) as owner (type of authority) for self (name of party on behalf of whom instrument was executed).

[Signature]
Notary Public Personally Known FL 12 -OR- Produced Identification



DOC# 20150154029 B: 10895 P: 2343
03/26/2015 02:53:26 PM Page 1 of 1
Rec Fee: \$10.00
Martha O. Haynie, Comptroller
Orange County, FL
MB - Ret To: FASWD LLC





Product Approval Form

DATE: 3-20-15

PERMIT # _____

PROJECT ADDRESS 5393 Chiswick Circle

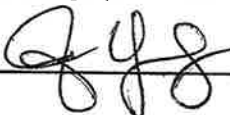
, Belle Isle, FL 32809 32812

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72m, please provide the information and approval numbers of the building components listed below if they will be utilized on the building or structure. FL Approved products are listed online at www.floridabuilding.org or can be obtained from the local product supplier. The following information must be turned in with permit application and available onsite for inspections:

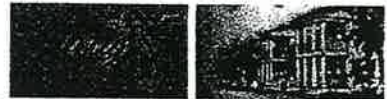
1. **This Product Approval Cover Sheet**
2. **Internet screen from FloridaBuilding.org showing PA#, approval and code edition stamped**
3. **Manufacturer's installation details from FloridaBuilding.org and requirements for each product stamped**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS				WALL PANELS			
Swinging				Sliding			
Sliding	PGT	470	251.1	Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS				ROOFING PRODUCTS			
Single/Dbf Hung	Simonton	9800	5167.15	Asphalt Shingles			
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed	Simonton	9800	5177.3	Single Ply Roof			
Mullion	CWS	BAY	577.1	Other			
Sliding Mullion	Simonton	Mull	14787.1				
Other							
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

It is the applicant's responsibility to verify that specific products have been installed in accordance with their limitations and with the minimum required design pressures for the structure. Specific compliance will be verified during field inspections.

Applicant Signature 

Date 3-26-15



FL # FL5167-R16
 Application Type Revision **5167.15**
 Code Version 2010
 Application Status Approved
 *Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
 Archived

Product Manufacturer Address/Phone/Email
 Simonton Windows
 1 Cochrane Ave
 Pennsboro, WV 26415
 (800) 746-6687 Ext 2329
 tiffany.davies@simonton.com

Authorized Signature
 Tiffany Davies
 tiffany.davies@simonton.com

Technical Representative Address/Phone/Email
 Tiffany Davies
 PO Box 1646
 5300 Briscoe Road
 Parkersburg, WV 26102
 (800) 542-9118 Ext 9329
 tiffany_davies@simonton.com

Quality Assurance Representative Address/Phone/Email
 AAMA
 1827 Walden Office Square
 Suite 550
 Schaumburg, IL 60173
 (847) 303-5664
 webmaster@aamanet.org

Category Windows
 Subcategory Double Hung **9800/5500**

Compliance Method Certification Mark or Listing

Certification Agency Validated By
 American Architectural Manufacturers Association
 American Architectural Manufacturers Association

Referenced Standard and Year (of Standard)	Standard	Year
	AAMA 450	2006
	AAMA 450	2010
	AAMA/WDMA/CSA 101/I.S.2 A440	2005
	AAMA/WDMA/CSA 101/I.S.2 A440	2008

Equivalence of Product Standards Certified By

	Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 36x72 (+/-30 PSF), 52x71 (+/-35 PSF), 48x80 (+/-35 PSF), 36x63 (+/-45 PSF), 44x63 (+/-45 PSF), 32x62 (+/-50 PSF), 36x74 (+/-50 PSF)	Certification Agency Certificate FL5167 R16 C CAC 43-40 DH 32x62 R50.pdf FL5167 R16 C CAC 43-40 DH 36x63 R45.pdf FL5167 R16 C CAC 43-40 DH 36x72 R30.pdf FL5167 R16 C CAC 43-40 DH 36x74 R50.pdf FL5167 R16 C CAC 43-40 DH 44x63 R PG45.pdf FL5167 R16 C CAC 43-40 DH 48x80 R35.pdf FL5167 R16 C CAC 43-40 DH 52x71 R35.pdf FL5167 R16 C CAC 43-45 waiver to 43-40.pdf Quality Assurance Contract Expiration Date 09/12/2016 Installation Instructions FL5167 R16 II IN0432b 43-40 43-45 DH 2X.pdf FL5167 R16 II IN0434 43-40 43-45 DH 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5167 R16 AE PER3252 43-40 43-45 DH.pdf Created by Independent Third Party: Yes
5167.14	43-50 (Three-Step Sill)	6100 Vantage Pointe, Asure, Prism Gold, Grand Estates Vinyl Double Hung
	Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 52x71 (+/-35 PSF), 36x63 (+/-45 PSF), 44x63 (+/-45 PSF), 32x62 (+/-50 PSF), 36x74 (+/-50 PSF)	Certification Agency Certificate FL5167 R16 C CAC 43-50 DH 32x62 R50.pdf FL5167 R16 C CAC 43-50 DH 36x63 R45.pdf FL5167 R16 C CAC 43-50 DH 36x74 R50.pdf FL5167 R16 C CAC 43-50 DH 44x63 R45.pdf FL5167 R16 C CAC 43-50 DH 52x71 R35.pdf Quality Assurance Contract Expiration Date 01/25/2016 Installation Instructions FL5167 R16 II IN0432 43-50 DH 2X.pdf FL5167 R16 II IN0569 43-50 DH 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5167 R16 AE PER3253 43-50 DH.pdf Created by Independent Third Party: Yes
5167.15	75-75, 75-09, 07-75, 07-09, 07-10 and 07-20	Reflections 5500, Prism Platinum, Sears 9300, Generations, Impressions 9800, THD 6500 Vantage Pointe, Amcraft Grand Estates Premier/Premium Plus, Grandura Vinyl Double Hung
	Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 48x80 (+/-25 PSF), 53x74 (+/-30 PSF), 48x80 (+/-35 PSF), 52x71 (+/-35 PSF), 53x80 (+/-40 PSF), 36x63 (+/-50 PSF), 36x74 (+/-50 PSF)	Certification Agency Certificate FL5167 R16 C CAC 07-10 07-20 to 07-09 Waiver.pdf FL5167 R16 C CAC 07-75 75-09 07-09 to 75-75 Waiver.pdf FL5167 R16 C CAC 07-75 DH 48x80 R PG35.pdf FL5167 R16 C CAC 07-75 DH 53x74 R PG30.pdf FL5167 R16 C CAC 07-75 DH 53x80 R40.pdf FL5167 R16 C CAC 75-75 DH 36x63 R PG50.pdf FL5167 R16 C CAC 75-75 DH 36x74 LC50.pdf FL5167 R16 C CAC 75-75 DH 48x80 LC PG25.pdf FL5167 R16 C CAC 75-75 DH 52x71 R PG35.pdf Quality Assurance Contract Expiration Date 03/25/2015 Installation Instructions FL5167 R16 II IN0113 75-75 75-09 07-75 07-09 07-10 07-20 DH 2X.pdf FL5167 R16 II IN0132 75-75 DH 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5167 R16 AE PER3254 75-75 DH.pdf Created by Independent Third Party: Yes
5167.16	75-75, 75-09, 07-75, 07-09, 07-10 and 07-20	Reflections 5500, Prism Platinum, Sears 9300, Generations, Impressions 9800, 6500 Vantage Pointe, Amcraft Grand Estates Premier/Premium Plus, Grandura Vinyl Double Hung H-Mulled Triple
	Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: 109x74 (+/-50 PSF)	Certification Agency Certificate FL5167 R16 C CAC 07-10 07-20 waiver to 07-09.pdf FL5167 R16 C CAC 07-75 75-09 07-09 to 75-75 Waiver.pdf FL5167 R16 C CAC 75-75 DH Triple 109x74 R PG50.pdf Quality Assurance Contract Expiration Date 09/13/2016 Installation Instructions FL5167 R16 II IN0060 75-75 DH Triple or Twin 2X.pdf Verified By: American Architectural Manufacturers

MODEL DESIGNATION: **Simonon Double Hung Series 75-75 / 07-75 / 75-09 /**

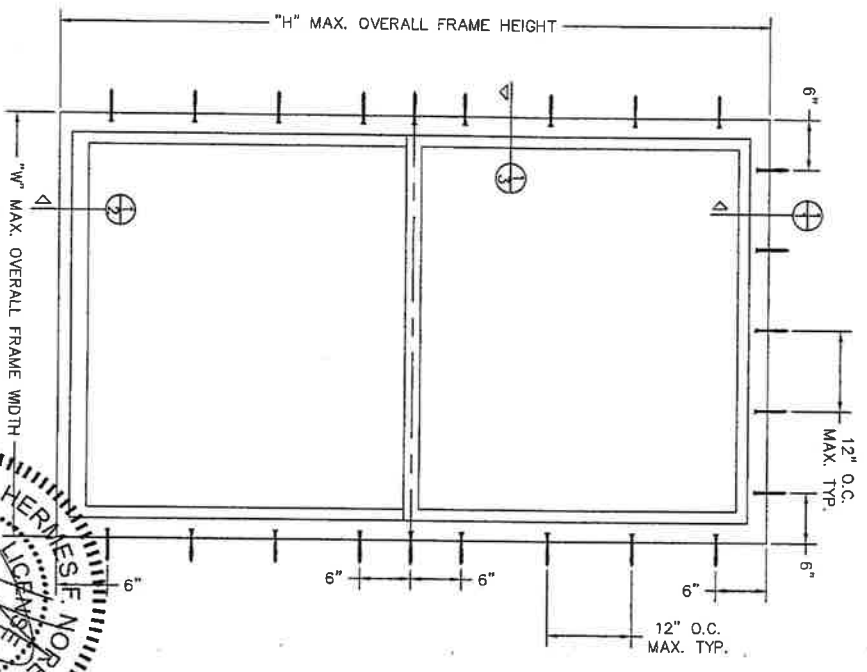
07-09 / 07-10 / 07-20 Vinyl Window

MAXIMUM OVERALL NOMINAL SIZE: See Size Chart

DESIGN PRESSURE RATING: See Size Chart

USABLE CONFIGURATIONS: X

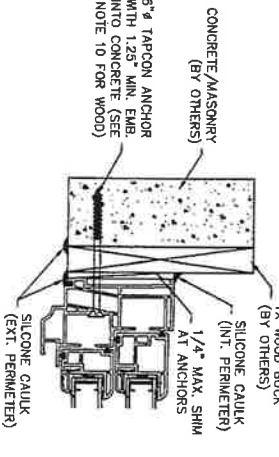
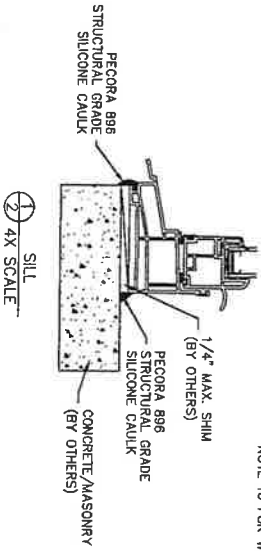
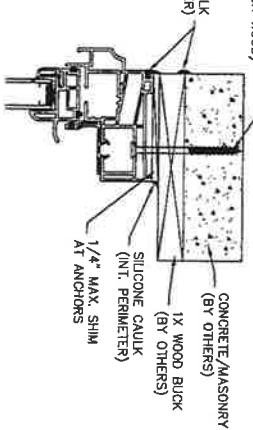
GENERAL DESCRIPTION: The head, sill, and side jambs are extruded PVC. The Wall Thickness through which the anchor screw penetrates is a minimum of 0.142".



SIZE CHART		
OVERALL SIZE	DP RATING	
WIDTH		
48"	±25 PSF	
48"	±35 PSF	
52"	±40 PSF	
53"	±40 PSF	
36"	±50 PSF	
74"		

* VALID FOR 07-75 SERIES ONLY

3/16" #8 TAPCON ANCHOR WITH 1.25" MIN. EMB. INTO CONCRETE (SEE NOTE 10 FOR WOOD)



REV.	#	REVISIONS:	DATE:
3		UPDATED NOTES, SIZE CHART, AND GENERAL DESCRIPTION	12/23/09
4		ADDED SHIM AND NOTE TO SILL SECTION & ADDED BOX FOR P.E. SEAL	02/07/10
5		ADDED 75-75 TO SERIES PER TEST REPORTS	08/17/10
6		REMOVED ANCHORS FROM SILL AND CALLED OUT STRUCTURAL GRADE SILICONE CAULK	09/10/10
7		ADDED NOTES 15 & 16	11/20/11

- NOTES:
- This installation has been evaluated for use in locations adhering to the Florida Building Code and where design pressure requirements as determined by ASCE 7 Minimum Design Loads for Buildings and Other Structures do not exceed the design pressure ratings listed herein.
 - For installation where the sub-buck is less than 1 1/2" (FGC chapter 17 Anchorage Methods) Tapcon type concrete anchors must be used and the length must be such that a minimum 1 1/4" embedment of the Tapcon into the concrete, hollow block, or concrete block is obtained, unless otherwise noted. Anchors should be a minimum of 2 1/2" from the edge of the concrete, hollow block, CMU, or concrete block.
 - All interior and exterior perimeter surfaces of the window must be caulked.
 - When the optional head expanders are used, the INSTALLER MUST ADJUST the anchor lengths to maintain the required minimum embedment into the substrate.
 - Adjust Tapcon anchor locations, if necessary, to maintain a minimum of 2.0" clearance from mortar joints.
 - Anchors shall be specified and spaced as shown, Anchor embedment to base material shall be beyond wall dressing or stucco and into wood or concrete. Wood bucks (by others) must be engineered and anchored properly to transfer loads to the structure. Bucks shall extend beyond interior face of frame such that full support of the frame is provided.
 - Follow ITT Form anchoring instructions.
 - The responsibility for selection of Simonon Products to meet any applicable local laws, building codes, ordinances, or other safety requirements rests solely with the architect, building owner, or contractor.
 - For wood buck substrates, use #10 wood screws with 1 1/2" min. embedment into wood, unless otherwise noted. Screws should be a minimum of 3/4" from the edge of the wood.
 - Concrete compressive strength = 3000 PSI at 28 days.
 - Concrete Masonry Units shall conform with strength requirements of ASTM C90.
 - Shims are optional. Max. shim stack is 1/4".
 - When using a 3/16" Tapcon or #10 wood screw, this product REQUIRES the use of approved impact resistant shutters or other external protection. Flashing should be applied using the ASTM E 212 method appropriate for the opening into which the window is being installed.



DISCLOSURE STATEMENT
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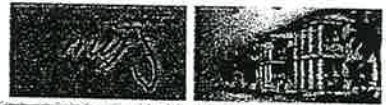
MATERIALS	
FINISH FINISH:	EXTRUDED ALUMINUM
ALLOY & TENSILE:	
WEIGHT:	
SURFACE AREA:	
PERIMETER:	
FINISH TREATMENT:	

Dimensional Tolerances	
Decimals	Angles
X ± .03	0° ± 30 min.
XX ± .01	
XXX ± .005	

SIMONON®	
1 Cochran Avenue	WINDOWS
Pennington, WV 26415	
CHECKED BY: DATE:	DRAWN BY: DATE:
APPROVED BY: DATE:	SCALE: FIT
	SHEET: 1 of 1
	DATE: 08/20/07
	NO. INO132
	REV: 7

1X BUCK INSTALLATION

Digitally signed by Hermes F. Norero, P.E.
 Reason: I am approving this document
 Date: 2014.11.19 19:54:55 -05'00'



FL #
Application Type
Code Version
Application Status

FL5177-R14
Revision
2010
Approved

5177.3

*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
Archived



Product Manufacturer
Address/Phone/Email

Simonton Windows
1 Cochrane Ave
Pennsboro, WV 26415
(800) 746-6687 Ext 2329
tiffany.davies@simonton.com

Authorized Signature

Tiffany Davies
tiffany.davies@simonton.com

Technical Representative
Address/Phone/Email

Tiffany Davies
PO Box 1646
5300 Briscoe Road
Parkersburg, WV 26102
(800) 542-9118 Ext 9329
tiffany_davies@simonton.com

Quality Assurance Representative
Address/Phone/Email

AAMA
1827 Walden Office Square
Suite 550
Schaumburg, IL 60173
(847) 303-5664
webmaster@aamanet.org

Category
Subcategory

Windows
Fixed

5500/9800

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

American Architectural Manufacturers Association
American Architectural Manufacturers Association

Referenced Standard and Year (of Standard)

<u>Standard</u>	<u>Year</u>
AAMA 450	2010
AAMA/WDMA/CSA 101/I.S 2/A440	2005
AAMA/WDMA/CSA 101/I.S 2/A440	2008
ASTM E 1300	2004

Equivalence of Product Standards
Certified By

Date Submitted

05/01/2014

Date Validated

05/11/2014

Date Pending FBC Approval

Date Approved

05/15/2014

Summary of Products

FL #	Model, Number or Name	Description
5177.1	07-09, 07-10, 07-20 (Retrofit Installation)	Reflections 5500, Prism Platinum, Sears 9300, Impressions 9800, Generations, Grand Estates Premier, Grand Estates Premium Plus, Grandura Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 74x63 (+/-55 PSF), 37x84 (+/-50 PSF)		Certification Agency Certificate FL5177 R14 C CAC 07-09 PW 37x84 R PG50 (ext.).pdf FL5177 R14 C CAC 07-09 PW 74x63 LC55.pdf FL5177 R14 C CAC -10 -20 waiver to -09.pdf Quality Assurance Contract Expiration Date 06/23/2016 Installation Instructions FL5177 R14 II IN0108 07-09 07-10 07-20 PW 2X.pdf FL5177 R14 II IN0111 07-09 07-10 07-20 PW 1X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports FL5177 R14 AE PER 2308 - 07-09 07-10 07-20 Fixed Window 1X.pdf Created by Independent Third Party: Yes
5177.2	07-20 (Nailing Fin Installation)	Reflections 5500, Prism Platinum, Sears 9300, Impressions 9800, Generations, Grand Estates Premier, Grand Estates Premium Plus, Grandura Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-45 PSF), 37x84 (+/-50 PSF), 74x63 (+/-60 PSF)		Certification Agency Certificate FL5177 R14 C CAC 07-20 PW 96x72 R PG45 (ext.).pdf FL5177 R14 C CAC 07-20 PW 37x84 R50.pdf FL5177 R14 C CAC 07-20 PW 74x63 R PG60 (ext.).pdf Quality Assurance Contract Expiration Date 04/18/2015 Installation Instructions FL5177 R14 II IN0514 07-20 PW 2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5177.3	07-75, 07-09, 07-10, 07-20	Reflections 5500, Prism Platinum, Sears 9300, Impressions 9800, Generations, Grand Estates Premier, Grand Estates Premium Plus, Grandura, THD 6500 Vantage Pointe Vinyl Fixed Window
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-45 PSF), 63x63 (+/-50 PSF), 72x63 (+/-60 PSF)		Certification Agency Certificate FL5177 R14 C CAC 07-75 PW 63x63 LC PG50 (ext.).pdf FL5177 R14 C CAC 07-75 PW 72x63 LC PG60 (ext.).pdf FL5177 R14 C CAC 07-75 PW 96x72 LC PG45 (ext.).pdf FL5177 R14 C CAC -10 -20 waiver to -09.pdf Quality Assurance Contract Expiration Date 11/18/2015 Installation Instructions FL5177 R14 II IN0222 07-75 07-09 07-10 07-20 PW 2X.pdf Verified By: American Architectural Manufacturers Association Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
5177.4	08-08	ProFinish Contractor/Master, Grand Estates New Construction Vinyl Fixed (No Hinge) Casement
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: 96x72 (+/-25 PSF), 74x63 (+/-55 PSF)		Certification Agency Certificate FL5177 R14 C CAC 08-08 PW (Fin) 74x63 LC PG55.pdf FL5177 R14 C CAC 08-08 PW (Fin) 96x72 LC PG25.pdf Quality Assurance Contract Expiration Date 04/26/2017 Installation Instructions FL5177 R14 II IN0328 08-08 NH 2X.pdf Verified By: American Architectural Manufacturers



Product Approval
USER: Public User

License efficiently. Regulate fairly.

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

OFFICE OF THE SECRETARY

FL #	FL14787-R1
Application Type	Revision
Code Version	2010
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Simonton Windows
Address/Phone/Email	1 Cochrane Ave Pennsboro, WV 26415 (800) 746-6687 Ext 2329 tiffany_davies@simonton.com
Authorized Signature	Tiffany Davies tiffany_davies@simonton.com
Technical Representative	Tiffany Davies
Address/Phone/Email	PO Box 1646 5300 Briscoe Road Parkersburg, WV 26102 (800) 542-9118 Ext 9329 tiffany_davies@simonton.com
Quality Assurance Representative	AAMA
Address/Phone/Email	1827 Walden Office Square Suite 550 Schaumburg, IL 60173 (847) 303-5664 webmaster@aamanet.org
Category	Windows
Subcategory	Mullions
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input checked="" type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Lucas Andrew Turner
Florida License	PE-58201
Quality Assurance Entity	Architectural Testing, Inc.
Quality Assurance Contract Expiration Date	12/31/2014
Validated By	Scott Wolters, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
Certificate of Independence	FL14787_R1_COI_EvalReport-RM0015r5.pdf
Referenced Standard and Year (of Standard)	

14787.1



Equivalence of Product Standards
Certified By

Sections from the Code

1715.5.5

Product Approval Method

Method 2 Option B

Date Submitted

06/21/2012

Date Validated

06/22/2012

Date Pending FBC Approval

07/01/2012

Date Approved

08/07/2012

Summary of Products

FL #	Model, Number or Name	Description
14787.1	Reinforced Stand Alone Mullions Non-Impact	Extruded Vinyl Mullions with Aluminum Reinforcement
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Design pressure ratings vary by unit and mullion size. See installation drawings for applicable design pressure rating.		Installation Instructions FL14787 R1 II RM0015r5 Non Impact.pdf Verified By: Lucas Andrew Turner, P.E. 58201 Created by Independent Third Party: Yes Evaluation Reports FL14787 R1 AE EvalReport-RM0015r5.pdf Created by Independent Third Party: Yes

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

Contact Us :: [1940 North Monroe Street, Tallahassee FL 32399](#) Phone: 850-487-1824

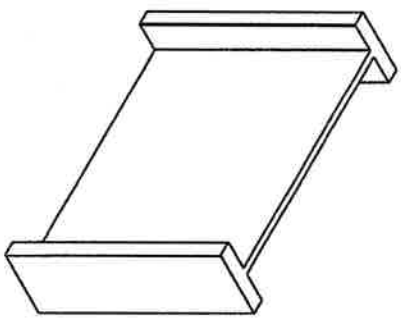
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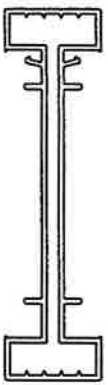
Product Approval Accepts:



SIMONTON
 1 COAKLEY AVE., PARSIPPANY, NJ 08054
 PH. 800-451-2249
 EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES



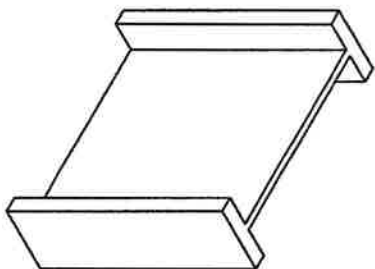
LARGE MULLION
 REINFORCEMENT #CM0146
 ALUMINUM 6063-T6



5000 FIN & J FRAME VINYL
 H-MULLION COVER #VP1-573
 EXTRUDED VINYL 0.071" MIN.

PRODUCT DESCRIPTION:
 1. ALL MULLION REINFORCEMENTS ARE EXTRUDED ALUMINUM 6063-T6.
 2. ALL MULLION COVERS ARE EXTRUDED VINYL. SEE ABOVE FOR INDIVIDUAL MULLION THICKNESS.

MULLIONS MEET THE REQUIREMENTS OF THE 2010
 FLORIDA BUILDING CODE



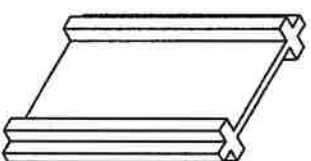
LARGE MULLION
 REINFORCEMENT #16991
 ALUMINUM 6063-T6



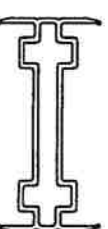
PROFINISH LARGE VINYL
 H-MULLION COVER #VP1-560
 EXTRUDED VINYL 0.079" MIN.



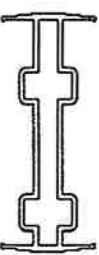
RETROFIT LARGE VINYL
 H-MULLION COVER #VP1-354
 EXTRUDED VINYL 0.071" MIN.



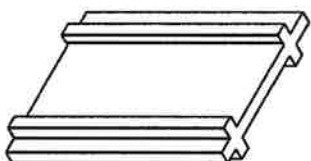
MEDIUM MULLION
 REINFORCEMENT #16990
 ALUMINUM 6063-T6



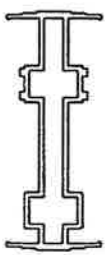
PROFINISH MEDIUM VINYL
 H-MULLION COVER #VP1-346A
 EXTRUDED VINYL 0.071" MIN.



4000 SERIES MEDIUM VINYL
 H-MULLION COVER #MP0347
 EXTRUDED VINYL 0.070" MIN.



MEDIUM MULLION
 REINFORCEMENT #20634
 ALUMINUM 6063-T6

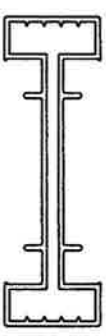


RETROFIT MEDIUM VINYL
 H-MULLION COVER #VP1-436
 EXTRUDED VINYL 0.070" MIN.

REV.	DESCRIPTION	DATE	BY
1	REVISED WORKING AT CHARTS SHEETS 2-51	4/4/2007	GLS
2	Revised per 2007 Florida Building Code, Added Sheet 7.	12/15/2008	TDD
3	Revised per 2007 Florida Building Code, Added Sheet 8.	04/15/2011	JRM
4	Revised Per 2010 Florida Building Code, updated general notes sht.1	03/20/2012	CAP
5	Updated DP ratings chart and added new mullion covers.	08/20/2012	T.O.D.



SHT	DESCRIPTION
1	INDIVIDUAL MULLION APPLICATIONS
2	DESIGN PRESSURES FOR REINFORCEMENT CM0146
3	DESIGN PRESSURES FOR REINFORCEMENT 16991
4	DESIGN PRESSURES FOR REINFORCEMENT 16990
5	DESIGN PRESSURES FOR REINFORCEMENT 20634
6	MULLION ATTACHMENT AND ANCHORING



4000 SERIES LARGE VINYL
 H-MULLION COVER #VP1-354A
 EXTRUDED VINYL 0.071" MIN.

GENERAL NOTES:
 1. THE FOUR (4) MULLION PRODUCTS MEET THE 2010 FLORIDA BUILDING CODE (FBC) SECTION 1715.5.5, INCLUDING L/175 DEFLECTION LIMIT, LOAD TRANSFER, AND FIBERSTRESS ANALYSES IN THE DESIGN PRESSURES SHOWN IN THE TABLES IN THIS DRAWING. THE ANALYSES DID NOT ADDRESS AIR OR WATER INFILTRATION, OVERALL WINDOW ASSEMBLY ALLOWABLE DESIGN PRESSURES SHALL BE THE LOWER OF THE MULLION PER THIS APPROVAL OR THE SIMONTON WINDOWS PER SEPARATE PRODUCT APPROVAL.
 2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN HEREIN.

72

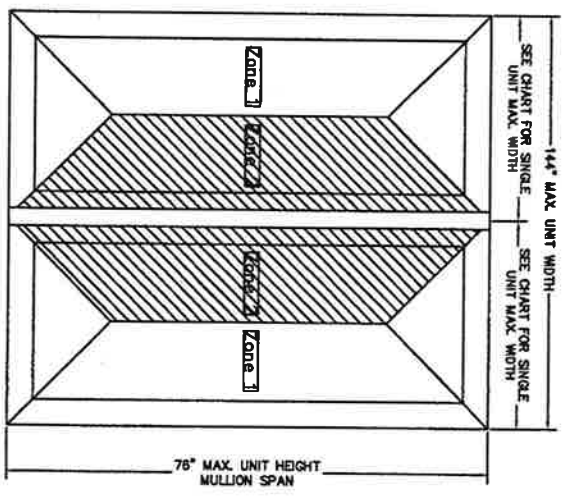
9/21/2013

SIMONTON

15
 12/19/2013

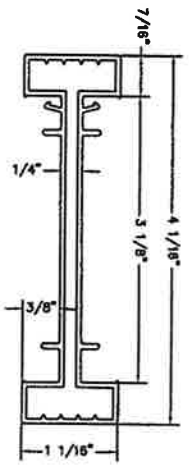
EXTRUDED NON-IMPACT VINYL MULLIONS WITH ALUMINUM REINFORCEMENT ALL NON-IMPACT WINDOW SERIES

1000000000 W 2418
1000000000 W 2418
1000000000 W 2418

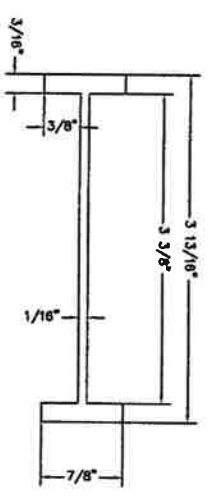


WINDOW TYPE	WINDOW WIDTH
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	96"

MAXIMUM SINGLE WINDOW WIDTH
MULLION TRIBUTARY WIDTH = SUM OF ZONE 2 WINDOW WIDTHS



ALL FIN & J FRAMES H-MULLION
LARGE VINYL MULLION COVER #VP-573
EXTRUDED VINYL .071" MIN.



LARGE MULL REINFORCEMENT #CM0146
ALUMINUM 6063-T6

TABLE A -- MAXIMUM DESIGN PRESSURES (PSF)
MULLION # CM0146

Mullion Length	Individual Unit Width													
	24	28	32	36	40	44	48	52	56	60	64	68	72	
40														
44														
48														
52														
56														
60														
64														
68														
72														
76														
80														
84														
88														
92														
96														

REV.	DESCRIPTION	DATE	BY
1	REVISED WORDING AT CHARTS (SHEET 2-5)	4/4/2007	GLS
2	Revised per 2007 Florida Building Code, Added Sheet 7, Building Code, Added Sheet 8	12/15/2008	TDD
3	Revised per 2010 Florida Building Code, updated general notes sheet 1	04/15/2011	JRM
4	Updated DP ratings chart and added new mullion covers.	01/20/2012	CAP
5		08/20/2012	T.D.D.

SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

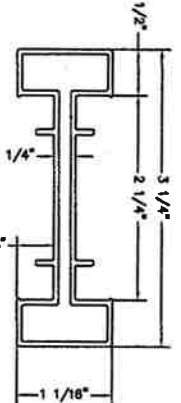
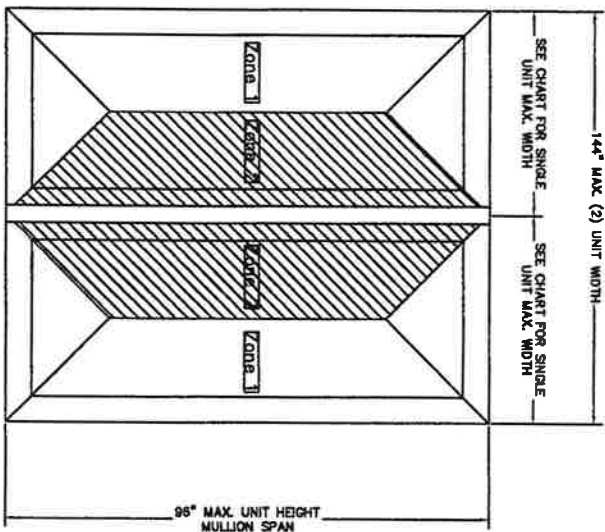
22

SIMONTON

1000000000 W 2418
1000000000 W 2418
1000000000 W 2418

DATE: 08/20/2012
BY: T.D.D.

SIMONTON
 1 LOCKHART AVE. FARMINGTON, VT 05418
 TEL. 800-469-2244
**EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES**



**PROFINISH H-MULLION
 LARGE VINYL MULLION COVER #VPI-560
 EXTRUDED VINYL .079\"/>**

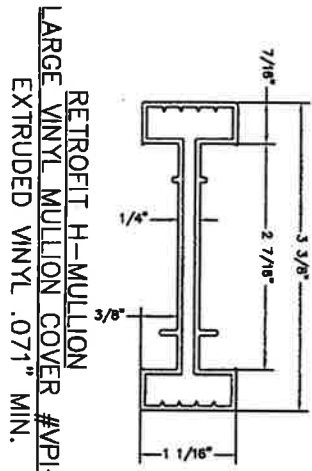
MAXIMUM SINGLE WINDOW WIDTH

WINDOW TYPE	WINDOW WIDTH
SINGLE HUNG	52"
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	96"

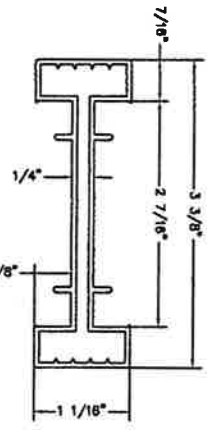
MULLION TRIBUTARY WIDTH = SUM OF ZONE 2 WINDOW WIDTHS

**TABLE B - MAXIMUM DESIGN PRESSURES (PSF)
 MULLION #16991**

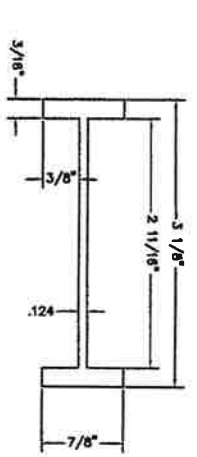
Mullion Length	Individual Unit Width												
	24	28	32	36	40	44	48	52	56	60	64	68	72
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44	24	28	32	36	40	44	48	52	56	60	64	68	72
48	24	28	32	36	40	44	48	52	56	60	64	68	72
52	24	28	32	36	40	44	48	52	56	60	64	68	72
56	24	28	32	36	40	44	48	52	56	60	64	68	72
60	24	28	32	36	40	44	48	52	56	60	64	68	72
64	24	28	32	36	40	44	48	52	56	60	64	68	72
68	24	28	32	36	40	44	48	52	56	60	64	68	72
72	24	28	32	36	40	44	48	52	56	60	64	68	72
76	24	28	32	36	40	44	48	52	56	60	64	68	72
80	24	28	32	36	40	44	48	52	56	60	64	68	72
84	24	28	32	36	40	44	48	52	56	60	64	68	72
88	24	28	32	36	40	44	48	52	56	60	64	68	72
92	24	28	32	36	40	44	48	52	56	60	64	68	72
96	24	28	32	36	40	44	48	52	56	60	64	68	72



**RETROFIT H-MULLION
 LARGE VINYL MULLION COVER #VPI-354
 EXTRUDED VINYL .071\"/>**



**4000 SERIES RETROFIT H-MULLION
 LARGE VINYL MULLION COVER #VPI-354
 EXTRUDED VINYL .071\"/>**



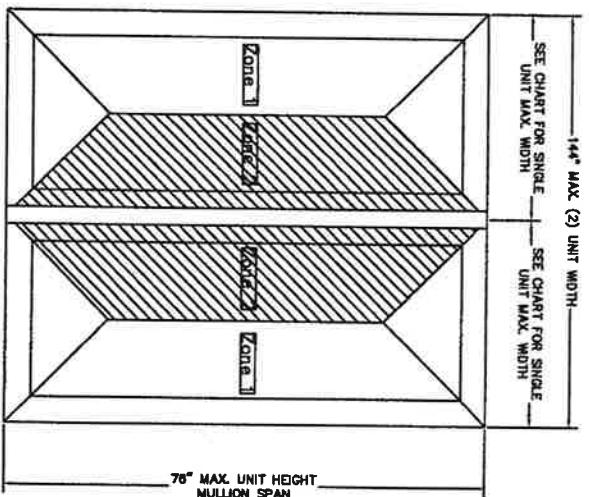
**LARGE MULL REINFORCEMENT #16991
 ALUMINUM 6063-T6**

REVISIONS

REV.	DESCRIPTION	DATE	BY
1	REVISED WORKING AT CHARTS (SHEETS 2-5)	4/4/2007	GLS
2	Revised per 2007 Flooring Building Code, Address Sheet 7	12/15/2008	TDD
3	Revised per 2007 Flooring Building Code, Address Sheet 7	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, Address Sheet 1.01	01/20/2012	CAP
5	Unrevised per 2010 Florida Building Code, Address Sheet 1.01	08/20/2012	T.D.D.

22
 4/21/2012
SIMONTON
 1 LOCKHART AVE. FARMINGTON, VT 05418
 TEL. 800-469-2244

5787171
 1 OGDON AVE, ROBINSON, WV 26418
 PL 800-451-5246
**EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES**



MAXIMUM SINGLE WINDOW WIDTH

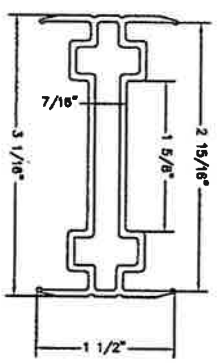
WINDOW TYPE	WINDOW WIDTH
SINGLE HUNG	52"
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	35"
FIXED	95"

MULLION TRIBUTARY WIDTH = SUM OF ZONE 2 WINDOW WIDTHS

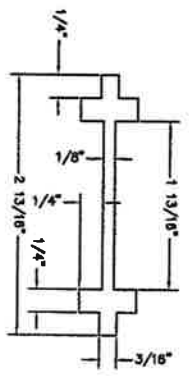
REV.	DESCRIPTION	DATE	BY
1	REVISED WORKING AT CHARTS	4/4/2007	GLS
2	Revised per 2007 Florida Building Code, Added Sheet 3D	12/15/2008	TDD
3	Revised per 2007 Florida Building Code, Added Sheet 8	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes sheet 1	01/20/2012	CAP
5	Updated DP ratings chart and added new mullion covers.	06/20/2012	T.D.D.

TABLE C - MAXIMUM DESIGN PRESSURES (PSF)
 MULLION #16990

Mullion Length	Individual Unit Width													
	24	28	32	36	40	44	48	52	56	60	64	68	72	
40														
44														
48														
52														
56														
60														
64														
68														
72														
76														



MEDIUM H-MULLION VINYL COVER #V346A
 ALL NEW CONSTRUCTION
 EXTRUDED VINYL .071" MIN.

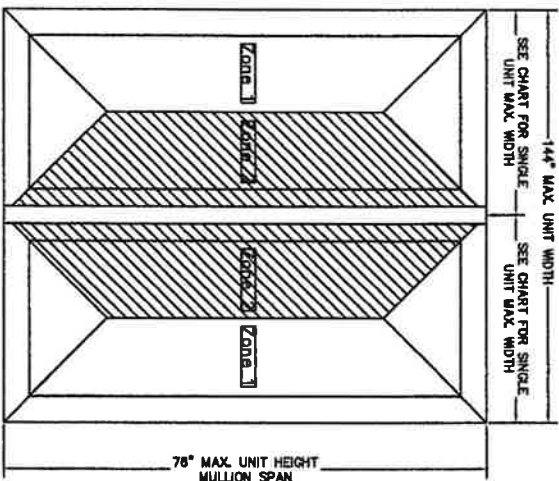


MEDIUM MULL REINFORCEMENT #16990
 ALUMINUM 6063-T6

SEE NOTES SHEETS 6, 7, AND 8 FOR REQUIRED ANCHORAGE INFORMATION.

22	9/21/2012		0.75:1 ALL MULLION PRODUCTS REINFORCED VINYL MULLIONS
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SIMONTON
 1 Cooper Rd., Suite 200
 Ft. Lauderdale, FL 33309
 (954) 561-2200
**EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES**



MAXIMUM SINGLE WINDOW WIDTH

WINDOW TYPE	WINDOW WIDTH
DOUBLE HUNG	56"
HORIZONTAL SLIDER	72"
CASEMENT	36"
FIXED	96"

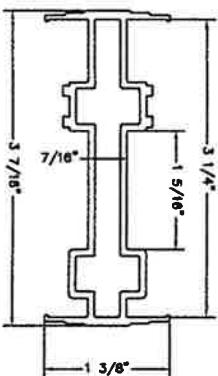
MULLION TRIBUTARY WIDTH = SUM OF ZONE 2 WINDOW WIDTHS

**TABLE D - MAXIMUM DESIGN PRESSURES (PSF)
 MULLION # 20634**

Mullion Length	Individual Unit Width													
	24	28	32	36	40	44	48	52	56	60	64	68	72	
40	24	28	32	36	40	44	48	52	56	60	64	68	72	
44	24	28	32	36	40	44	48	52	56	60	64	68	72	
48	24	28	32	36	40	44	48	52	56	60	64	68	72	
52	24	28	32	36	40	44	48	52	56	60	64	68	72	
56	24	28	32	36	40	44	48	52	56	60	64	68	72	
60	24	28	32	36	40	44	48	52	56	60	64	68	72	
64	24	28	32	36	40	44	48	52	56	60	64	68	72	
68	24	28	32	36	40	44	48	52	56	60	64	68	72	
72	24	28	32	36	40	44	48	52	56	60	64	68	72	
76	24	28	32	36	40	44	48	52	56	60	64	68	72	

REVISIONS

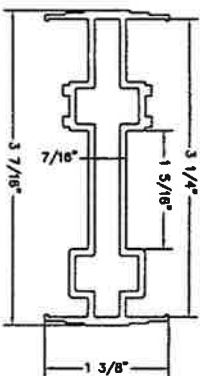
REV.	DESCRIPTION	DATE	BY
1	REVISED WORKING AT CHARTS (SHEETS 2-5)	4/4/2007	GLS
2	Revised per 2007 Florida Building Code, Added Sheet 7,	12/15/2008	TDD
3	Revised per 2007 Florida Building Code, Added Sheet 8,	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes and added new mullion covers.	01/20/2012	CAP
5	Updated Dr. ratings chart and added new mullion covers.	06/20/2012	T.D.D.



MEDIUM H-MULLION VINYL COVER #VPI-436

FOR ANY RETROFIT HOOKED FRAME

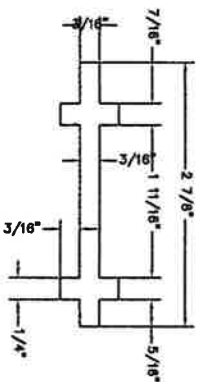
EXTRUDED VINYL .070" MIN.



MEDIUM H-MULLION VINYL COVER #VPI-436

FOR ANY RETROFIT HOOKED FRAME

EXTRUDED VINYL .070" MIN.

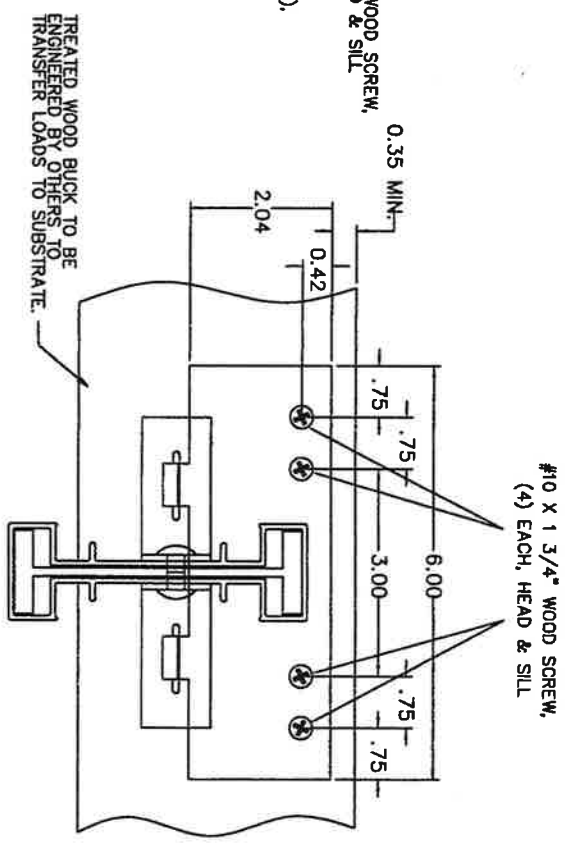
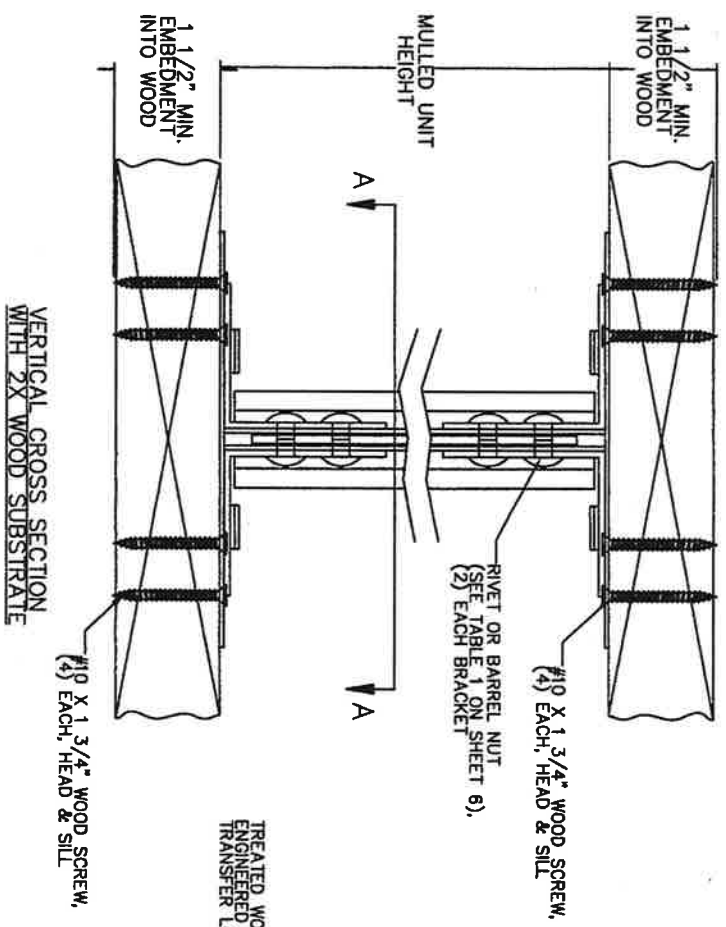


MEDIUM MULL REINFORCEMENT #20634

ALUMINUM 6063-T6

9/21/2012
 15-20-08
 10/10/08
 10/10/08

SIMONTON
 1 DOCKWALK AVE. ROSELAND, WV 26418
 TEL. 800-431-2234
**EXTRUDED NON-IMPACT VINYL MULLIONS
 WITH ALUMINIUM REINFORCEMENT
 ALL NON-IMPACT WINDOW SERIES**



REVISIONS

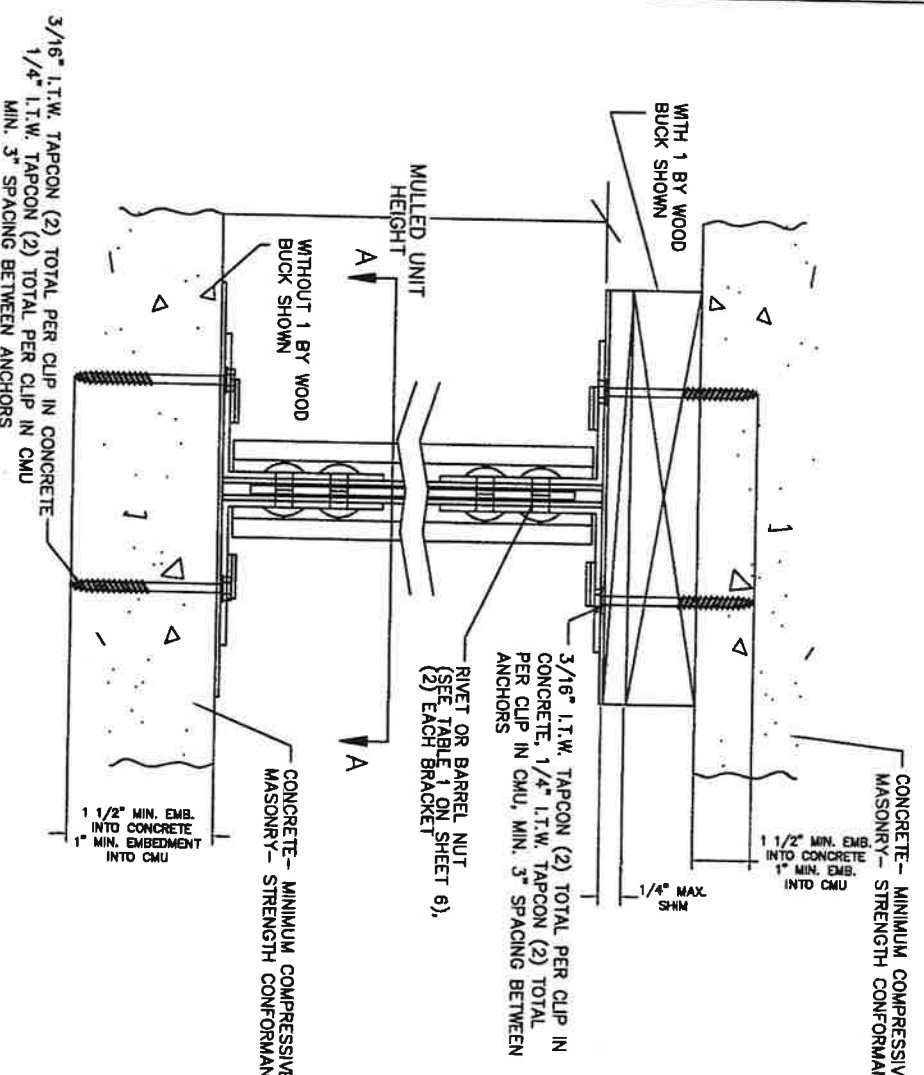
REV.	DESCRIPTION	DATE	BY
1	REVISED WORKING AT CHARTS SHEETS 2 & 3	4/4/2007	GLS
2	Revised per 2007 Florida Building Code, Added Sheet 7.	12/15/2008	TDD
3	Revised per 2007 Florida Building Code, Added Sheet 8.	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes and added DP rollings chart, and added new mullion covers.	06/20/2012	CAP
5			T.D.D.

- NOTES:**
1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH THE 2010 FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HWY.
 2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
 3. ANCHORS SHALL HAVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD AND 7/8" MINIMUM WOOD EDGE DISTANCE.
 4. ATTACHMENT OF ALL 2X TREATED WOOD BUICKS SHALL BE ENGINEERED SEPARATELY BY OTHERS.
 5. WOOD SHALL BE TREATED 2X SPRUCE, PINE, OR FIR.
 6. #10 WOOD SCREWS SHALL BE STEEL CONFORMING TO ASTM A 653.
 7. BASE PLATES AND L-BRACKETS ARE STAINLESS STEEL CONFORMING TO ANSI 302/304.
 8. SILL AND INSTALLATIONS ARE LISTED ON H/FAD AND SILL.

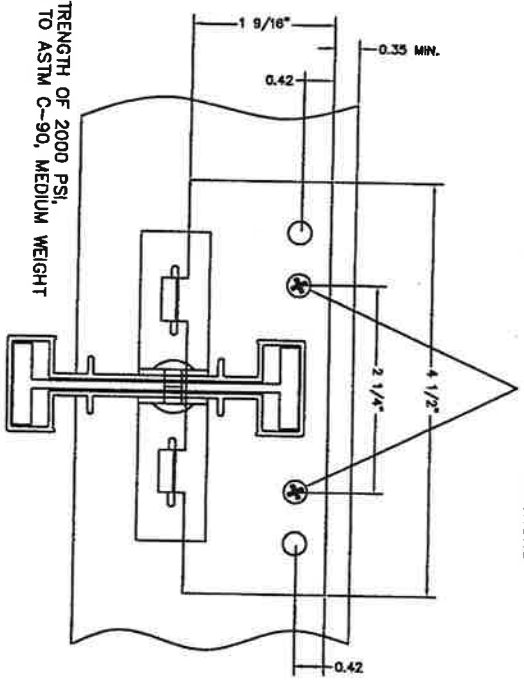
22

9/21/2012

SIMONTON	15
REV. 15-20-12	12/15/2008
REV. 10	04/15/2011
REV. 5	06/20/2012



VERTICAL CROSS SECTION WITH
 MASONRY/CONCRETE SUBSTRATE



3/16" L.T.W. TAPCON (2) TOTAL PER CLIP IN CONCRETE
 1/4" L.T.W. TAPCON (2) TOTAL PER CLIP IN CMU
 MIN. 3" SPACING BETWEEN ANCHORS

CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI,
 MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT

REV.	DESCRIPTION	DATE	BY
1	REVISED WORDING AT CHARTS (SHEETS 2-5)	4/4/2007	GLS
2	Revised per 2007 Florida Building Code, Added Sheet 7	12/15/2008	TDD
3	Revised per 2007 Florida Building Code, Added Sheet B	04/15/2011	JRM
4	Revised per 2010 Florida Building Code, updated general notes sheet 1	01/20/2012	CAP
5	Updated DP railing chart and added new mullion covers.	06/20/2012	T.D.D.

- NOTES:
1. THE MULLION PRODUCTS AND THEIR INSTALLATION COMPLY WITH THE 2010 FBC STRUCTURAL REQUIREMENTS AND ARE LIMITED TO USE OUTSIDE THE HWY.
 2. THE MULLIONS SHALL BE USED IN CONNECTION WITH FBC APPROVED PRODUCTS.
 3. ANCHORS SHALL HAVE 1" MINIMUM EMBEDMENT & 2" MINIMUM EDGE DISTANCE FOR CMU BLOCK, AND 1 1/2" MINIMUM EMBEDMENT & 1 1/8" MINIMUM EDGE DISTANCE FOR CONCRETE.
 4. ATTACHMENT OF ALL 2X TREATED WOOD BUCKS SHALL BE ENGINEERED SEPARATELY BY OTHERS.
 5. WOOD SHALL BE TREATED 2X SPRUCE, PINE OR FIR.
 6. I.T.W. ADVANCED THREADFORM TECHNOLOGY TAPCONS OR EQUAL SHALL BE GRADE 5 HEAT TREATED STEEL.
 7. BASE PLATES AND L-BRACKETS ARE STAINLESS STEEL CONFORMING TO ANSI 302/304.
 8. SIMILAR INSTALLATIONS ARE USED ON HEAD AND SILL.
 9. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION IS REQUIRED, USE OF AN IMPACT PROTECTIVE SYSTEM IS REQUIRED.

22
 4/24/2012
 SIMONTON
 1581 S
 10/20/12



FL #	FL251-R22	251.1
Application Type	Revision	
Code Version	2010	
Application Status	Approved	
	*Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.	
Comments		
Archived	<input type="checkbox"/>	
Product Manufacturer	PGT Industries	
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 22318 druark@pgtindustries.com	
Authorized Signature	Jens Rosowski jrosowski@pgtindustries.com	
Technical Representative	Jens Rosowski	
Address/Phone/Email	1070 Technology Drive Nokomis, FL 34275 (941) 486-0100 Ext 21140 jrosowski@pgtindustries.com	
Quality Assurance Representative		
Address/Phone/Email		
Category	Exterior Doors	470
Subcategory	Sliding Exterior Door Assemblies	
Compliance Method	Certification Mark or Listing	
Certification Agency	Miami-Dade BCCO - CER	
Validated By	Miami-Dade BCCO - VAL	
Referenced Standard and Year (of Standard)	Standard TAS 201, 202, 203	Year 1994
Equivalence of Product Standards Certified By		
Product Approval Method	Method 1 Option A	
Date Submitted	11/17/2014	
Date Validated	11/21/2014	
Date Pending FBC Approval		

Summary of Products

FL #	Model, Number or Name	Description
251.1	SGD - 470 (Non-Impact)	Vinyl Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251_R22_C_CAC_11-1018.20.pdf Quality Assurance Contract Expiration Date 04/21/2016 Installation Instructions FL251_R22_II_11-1018.20.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
251.2	SGD - 570 (Large Missile Impact)	Vinyl Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251_R22_C_CAC_13-1125.05.pdf FL251_R22_C_CAC_14082011_PVC.pdf Quality Assurance Contract Expiration Date 04/14/2016 Installation Instructions FL251_R22_II_13-1125.05.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
251.3	SGD - 670 (Non-Impact)	Aluminum Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251_R22_C_CAC_11-1018.17.pdf Quality Assurance Contract Expiration Date 04/07/2015 Installation Instructions FL251_R22_II_11-1018.17.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
251.4	SGD - 670HP (Non-Impact)	Aluminum Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251_R22_C_CAC_11-1018.18.pdf Quality Assurance Contract Expiration Date 03/24/2015 Installation Instructions FL251_R22_II_11-1018.18.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
251.5	SGD - 680 (Non-Impact)	WinGuard Aluminum Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251_R22_C_CAC_14012309.pdf Quality Assurance Contract Expiration Date 03/18/2019 Installation Instructions FL251_R22_II_14012309.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:
251.6	SGD - 770 (Large Missile Impact)	WinGuard Aluminum Sliding Glass Door
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		Certification Agency Certificate FL251_R22_C_CAC_14-0123.10_includes_Corner.pdf Quality Assurance Contract Expiration Date 02/17/2015 Installation Instructions FL251_R22_II_14-0123.10_includes_Corner.pdf Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: Evaluation Reports Created by Independent Third Party:



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

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

**PGT Industries
1070 Technology Drive,
Nokomis, Fl. 34275**

SCOPE:

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

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

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

DESCRIPTION: Series "470" Vinyl Sliding Glass Door (Reinforced)-N.I.

APPROVAL DOCUMENT: Drawing No. MD-SGD470-01 Rev A, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 11/18/10 and last revised on 10/11/11, signed and sealed by Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None: Approved Hurricane Protection devices, complying w/ FBC, as applicable are required.

Limitations:

1. See table 2 (sheet 8) and table 3 (sheet 9) of this approved drawing set for applicable SGD unit sizes, design pressures, reinforcements, glass types, sill riser and anchors requirements.
2. Rigid White PVC to be labeled per referenced NOA requirement.
3. Egress operable doors must comply with min clear width per FBC, as applicable.

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

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

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

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 11-0107.09 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

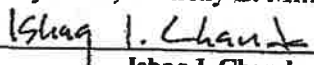


8
11/23/11

**NOA No 11-1018.20
Expiration Date: April 21, 2016
Approval Date: December 08, 2011
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS**
1. Manufacturer's die drawings and sections (transferred from file # 09-0826.14).
 2. Drawing No. **MD-SGD470-01 RevA**, titled "Vinyl SGD", sheets 1 through 13 of 13, prepared by manufacturer, dated 11/18/10 and last revised on 10/11/11, signed and sealed by Lynn Miller, P.E.
- B. TESTS** (transferred from file # 11-0107.09)
1. Test report on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94.
 - 4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94along with marked-up drawings and installation diagram of vinyl sliding glass door, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL 6637** (samples A-1 thru A-5), dated 12/06/10, signed and sealed by Jorge A. Causo, P. E.
(The above test report has an addendum letter dated 3-11-11, issued by FTL, signed and sealed by Marlin D. Brinson, P.E. (reviewing Engineer).
 2. Additional test report No. **FTL 6638** (samples A-1 thru A-22) per TAS 201/203-94, issued by Fenestration Testing Lab, Inc., dated 11/19/10, signed and sealed by Jorge A. Causo, P. E.
- C. CALCULATIONS**
1. Statement letter dated OCT 11, 2011, compliance to FBC 2007 & FBC 2010, prepared by PGT, signed & sealed by Lynn Miller, P.E.
 2. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by PGT, dated 02/16/11 and last revised on 3-15-11, signed and sealed by Anthony L. Miller, P.E. (transferred from file # 11-0107.09)
 3. Glazing complies with ASTME-1300-02 &-04
- D. QUALITY ASSURANCE**
1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).
- E. MATERIAL CERTIFICATIONS**
1. Notice of Acceptance No. **10-0420.06** issued to Vision Extrusion Ltd for their "White Rigid PVC", expiring on 09/30/14.
 2. Test reports No(s). 10-002-792(A), 10-006-10231, 535753-09, per ASTME-84, ASTM D1929 and ASTM D-635, issued by EXOVA to Vision Extrusion for cellulosic composite material.
- F. STATEMENTS**
1. Statement letter dated OCT 11, 2011, compliance to FBC 2007 & FBC 2010 and "No financial interest", prepared by PGT, signed & sealed by Lynn Miller, P.E.
 2. Letter of lab compliance, part of the above test reports.
- G. OTHER**
1. This NOA revises # 11-0107.09, expiring April 21, 2016.
 2. PGT e-mail dated 11/23/11 by Lynn Miller, P.E. confirming extent of revision.
 3. Test proposal # **10-0767**, dated 08/25/10 approved by BCCO.
 4. Test verification calculation dated 07/30/10, prepared by PGT, Anthony L. Miller, P.E.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-1018.20
Expiration Date: April 21, 2016
Approval Date: December 08, 2011

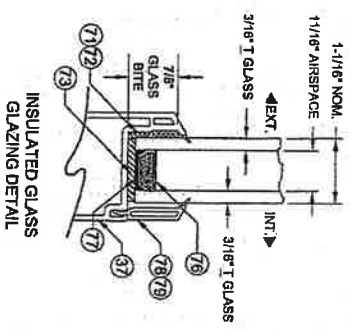
GENERAL NOTES: SERIES 470 NON-IMPACT SLIDING GLASS DOOR

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. ALL RIGID WHITE PVC AND COMPOSITE REINFORCEMENT MANUFACTURED BY VISION EXTRUSIONS, LTD. HAS BEEN TESTED TO COMPLY WITH THE FLORIDA BUILDING CODE FOR PLASTICS.
- 2) GLAZING TYPE: (FROM EXTERIOR TO INTERIOR) 3/16" TEMPERED GLASS + 1 1/16" AIR SPACE + 3/16" TEMPERED GLASS CAP. APPROVED BACKBEDDINGS ARE GE 7700 AND DOW-CORNING 995.
- 3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS.
- 4) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, SHEET 6. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE, WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 5) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN. (DONE BY OTHERS) (MAX. 1/4" SHIM SPACE FOR GROUT) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 6) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENTS SHOWN ON TABLE 1, SHEET 6. PROPER SEALING OF ENTIRE ASSEMBLY IS THE RESPONSIBILITY OF OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 7) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E-1300.
- 8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.
- 9) SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 10) SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE AND:
 - A. MAXIMUM (Ø) EIGHT PANEL CONFIGURATION FOR FRAME HEIGHTS UP TO 86"
 - B. MAXIMUM (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 86" AND UP TO 120"
- 11) REFERENCES: TEST REPORTS FTL-6337 & 6338; EXOVA-10-002-792(A) & 10-006-10231; CAMBRIDGE 535753-09; ELCO ULTRACON NOA #07-0426 01; ELCO GRETELEX NOA #03-0225 05; VISION EXTRUSIONS, LTD. WHITE PVC NOA #10-0420.06; ANSIA/F&PA NOS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL

INSTRUCTIONS:

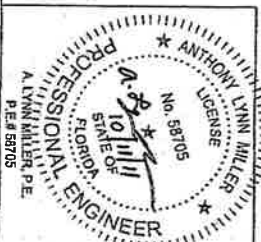
1. KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM THE DESIGN PRESSURE TABLES. FOR DOORS USING THE HEAVY-DUTY REINFORCEMENT, USE TABLE 2, SHEET 8. FOR DOORS USING THE STANDARD OR COMPOSITE REINFORCEMENT, USE TABLE 3, SHEET 9.
2. LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH. WHEN FINDING YOUR SIZE IN THE TABLE, ALWAYS ROUND UP TO THE NEXT LISTED SIZE.
3. CHOOSE WHICH ANCHOR OPTION (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE 1, SHEET 6, ALONG WITH THE APPROPRIATE SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
4. FROM THE DESIGN PRESSURE TABLES (TABLES 2-3, SHEETS 8 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
5. INSTALL AS PER THE INSTRUCTIONS ON SHEETS 5 & 6, USING THE ANCHOR SPACING OUTLINED ON SHEETS 2-4.
6. ADDITIONAL INSTALLATION CLIPS MUST BE INSTALLED AS SHOWN ON SHEET 7.

DESIGN PRESSURE RATING	IMPACT RATING
VARIABLES	NOT RATED FOR
SEE SHEETS 8 & 9	IMPACT RESISTANCE



NOA DRAWING MAP SHEET

GENERAL NOTES.....	1
GLAZING DETAILS.....	1
ELEVATIONS.....	2-4
HORIZ. SECTIONS.....	5
VERT. SECTIONS.....	6
ACCESSORIES.....	7
DESIGN PRESSURES.....	8-9
PARTS LIST.....	10
EXTRUSIONS.....	11
CONFIGURATIONS.....	12
PANEL TYPES.....	13



PGI
 1070 TECHNOLOGY DRIVE
 M. VENICE, FL 34276
 P.O. BOX 1509
 MONROE, LA 70601
 CERT. OF AUTH. #23295

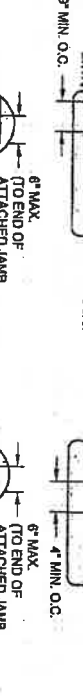
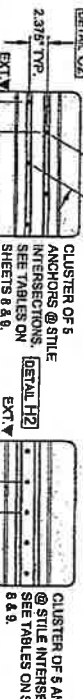
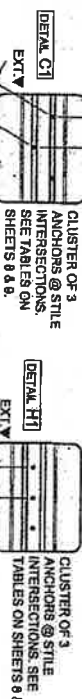
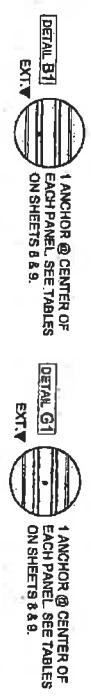
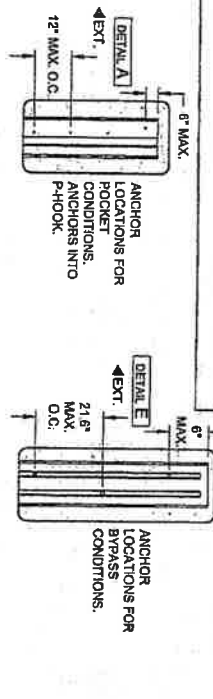
Revised By: J.J.	Date: 10/11/11	Revised By: FBC 2010 CODE
Revised By:	Date:	Revised By:
GENERAL NOTES & GLASS TYPES		
GENERAL NOTES & GLASS TYPES		
VINYL SGD INSTALLATION GUIDELINES		
Scale: NTS	Sheet: 1 OF 13	Drawing No: MD-SCD470-01
Scale:	Sheet:	Drawing No:
NTS	1 OF 13	MD-SCD470-01
Scale:	Sheet:	Drawing No:
NTS	1 OF 13	MD-SCD470-01

PRODUCT REVISED on compliance with the Florida Building Code Amendment No. 11-10-19-20
 Prepared By: J. Rosowski
 Checked By: J. Rosowski
 Date: 11/18/10

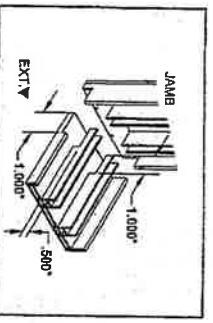
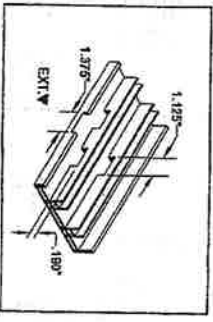
From By: J ROSOWSKI
 Date: 11/18/10

Rev: A

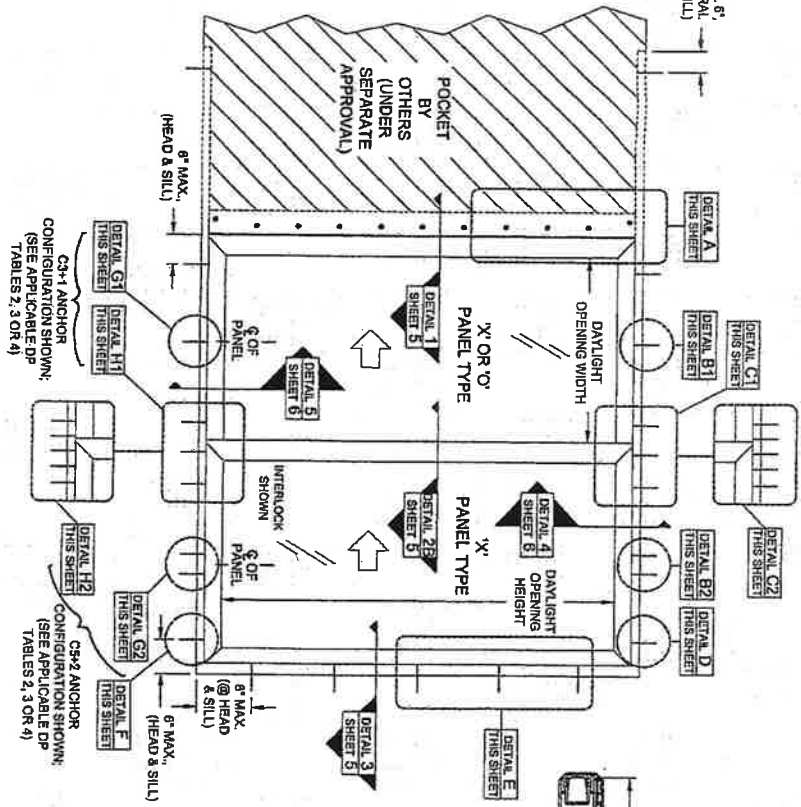
2-TRACK CONFIGURATIONS



NOTE: SEE TABLE 1, SHEET 6 FOR ANCHOR EDGE DISTANCE AND EMBEDMENT.



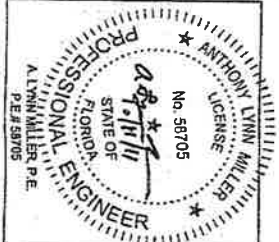
APPROX. 5' NON-STRUCTURAL (HEAD & SILL)



3x4 ANCHOR CONFIGURATION SHOWN: (SEE APPLICABLE DP TABLES 2, 3 OR 4)

3x2 ANCHOR CONFIGURATION SHOWN: (SEE APPLICABLE DP TABLES 2, 3 OR 4)

- NOTES:
- 1) FOR CONFIGURATIONS, SEE SHEET 12.
 - 2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 8.
 - 3) DAYLIGHT OPENING (DLO) FORMULAS:
WIDTH: PANEL WIDTH - 3.5"
HEIGHT: PANEL HEIGHT - 5.2"



PGT

1070 TECHNOLOGY DRIVE
M. VENICE, FL 34276
P.O. BOX 1629
NOKOMIS, FL 34274
CERT. OF AUTH. #28298

Revised By:	Date:	Revised:	Date:
J.J.	10/11/11	FBC 2010 CODE	
Revised By:	Date:	Revised:	Date:

Anchor Locations (2 Tracks)

VINYL SGD INSTALLATION GUIDELINES

Scale: NTS

Sheet: 2 OF 13

Drawing No: MD-SGD470-01

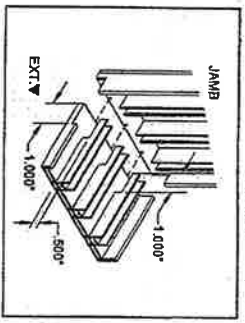
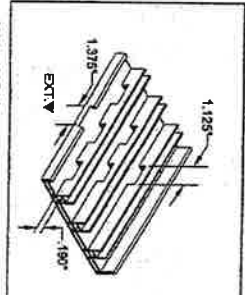
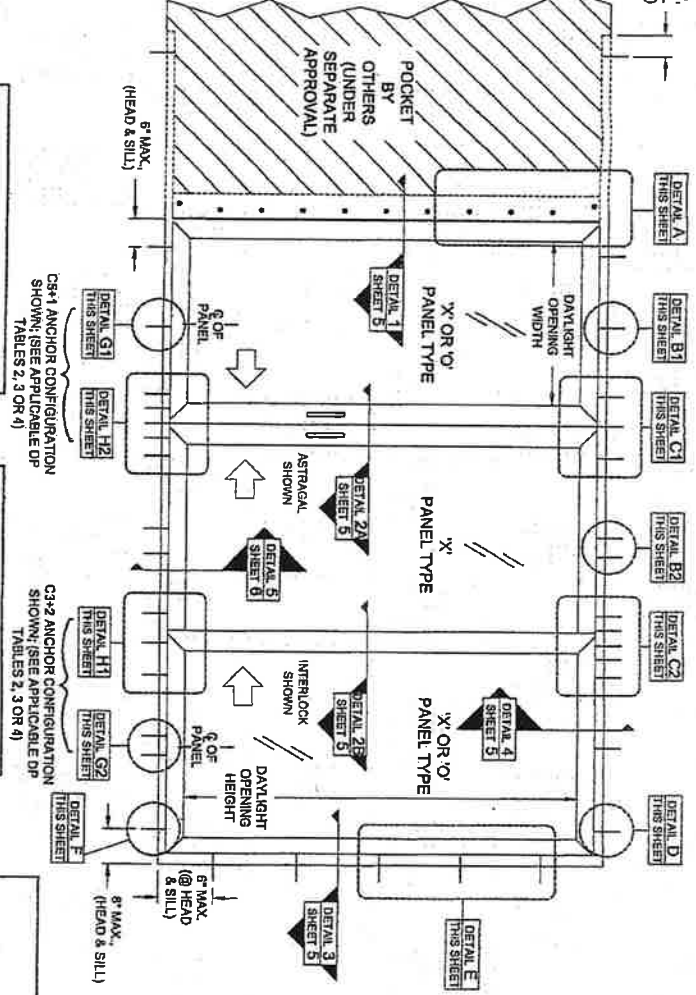
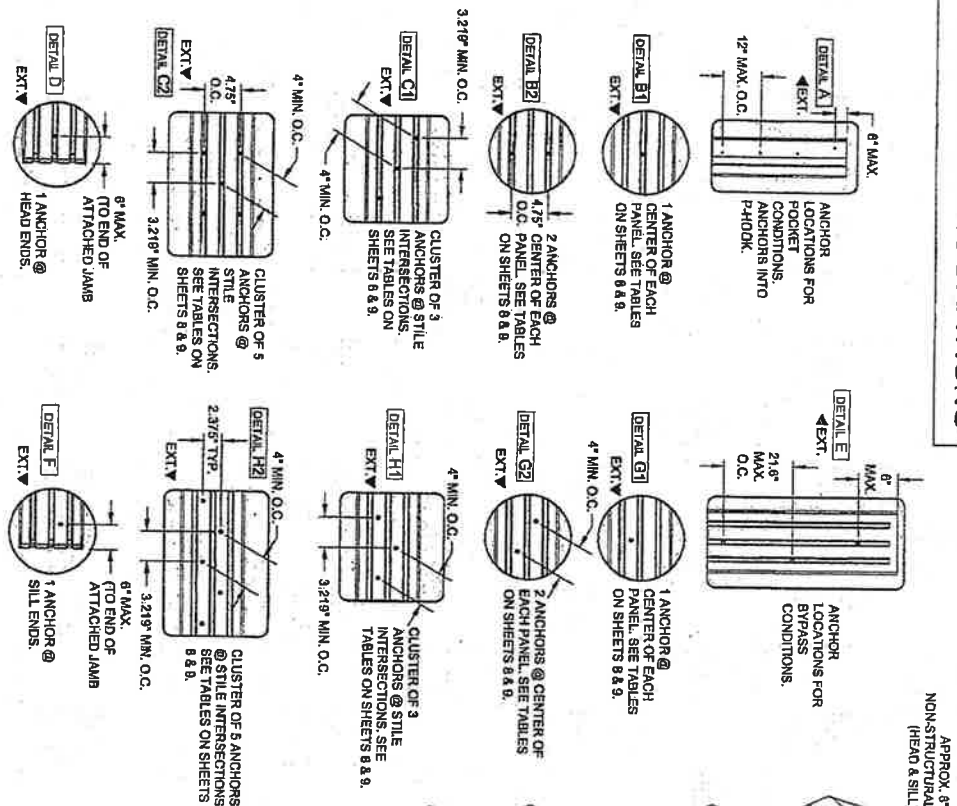
Drawn By: J ROSOWSKI

Date: 11/18/10

Rev: A

PRODUCT REVIEWED
in compliance with the Florida Building Code
Approved By: 11-10-18-20
Signature: [Signature]
Title: [Title]

3-TRACK CONFIGURATIONS



C3-1 ANCHOR CONFIGURATION SHOWN (SEE APPLICABLE OF TABLES 2, 3 OR 4)

C3-2 ANCHOR CONFIGURATION SHOWN (SEE APPLICABLE OF TABLES 2, 3 OR 4)

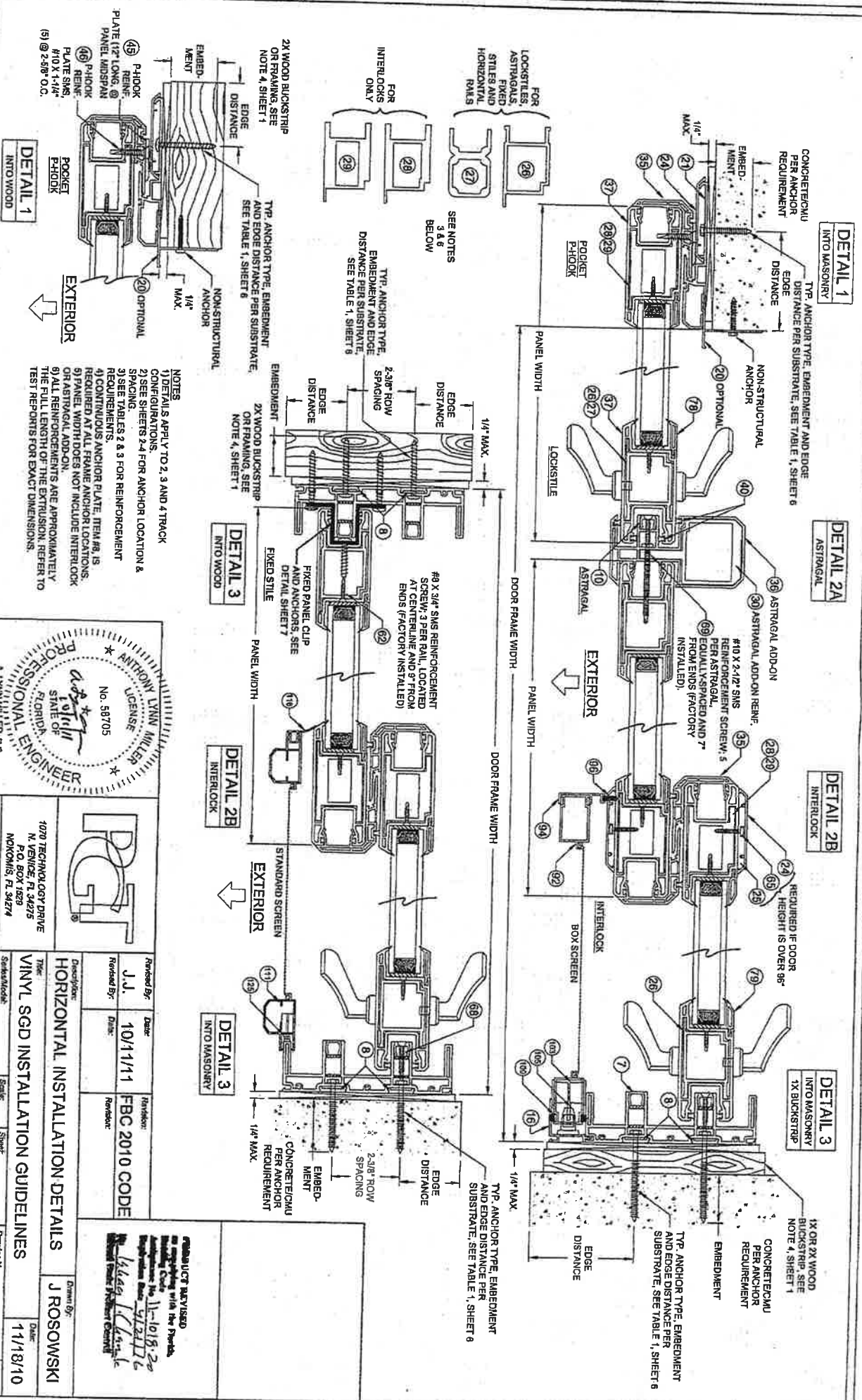
NOTES:
 1) FOR CONFIGURATIONS, SEE SHEET 12.
 2) FOR ANCHOR EDGE DISTANCE AND EMBEDMENT, SEE TABLE 1 SHEET 8.
 3) DAYLIGHT OPENING (D.O.) FORMULAS:
 WIDTH: PANEL WIDTH - 3.5"
 HEIGHT: PANEL HEIGHT - 5.2"

ANTHONY LYNN MILLER
 No. 58705
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 A LYNN MILLER, P.E.
 P.E.# 89705

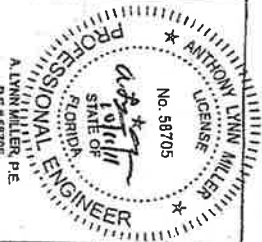
PGI
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 33575
 NOKOMIS, FL 34674
 CERT. OF AUTH. #28296

Revised By:	Date:	Revised By:	Date:
J.J.	10/11/11	FBC	2010 CODE
Drawn By:	Date:	ANCHOR LOCATIONS (3 TRACKS)	
J ROSOWSKI	11/18/10	VINYL SGD INSTALLATION GUIDELINES	
Scale:	Sheet:	Drawing No.:	Rev.:
NTS	3 OF 13	MD-SGD470-01	A

PRODUCT REVIEWED
 in compliance with the Florida
 Building Code
 Amendment No. 11-1013-20
 Implementation Date: 4/24/12
 Product tested by: [Signature]



- NOTES**
- 1) DETAILS 1, 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
 - 3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 - 6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

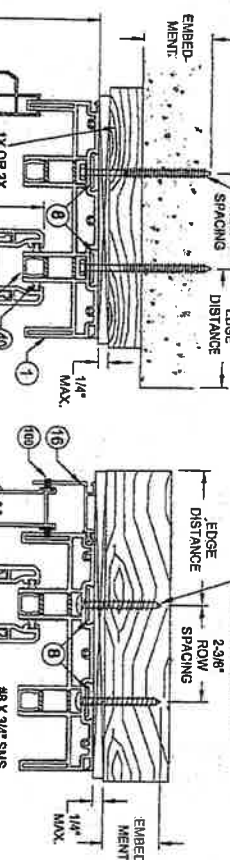


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HORIZONTAL INSTALLATION DETAILS		VINYL SGD INSTALLATION GUIDELINES		MD-SGD470-01		11/18/10	
Revised By:		Date:		Revised:		Date:	
J.J.		10/11/11		FBC 2010 CODE			
Scale:		Sheet:		Drawing No.:		Date:	
NTS		5 OF 13		MD-SGD470-01		11/18/10	
Scale:		Sheet:		Drawing No.:		Date:	
NTS		5 OF 13		MD-SGD470-01		11/18/10	
Scale:		Sheet:		Drawing No.:		Date:	
NTS		5 OF 13		MD-SGD470-01		11/18/10	

PRODUCT ADVISED
Do not attempt to install this product without first reading the Product Installation Guide. For more information, please call 1-800-855-2277 or visit our website at www.pgi.com.
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DETAIL 4
INTO MASONRY
1X BUCKSTRIP

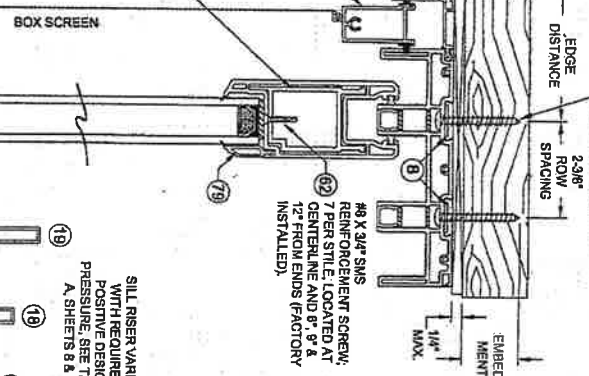
MIN. 2.7 KSI CONCRETE @ EDGE DISTANCE PER SUBSTRATE REQUIREMENT. SEE TABLE 1, SHEET 8



DETAIL 4
INTO WOOD

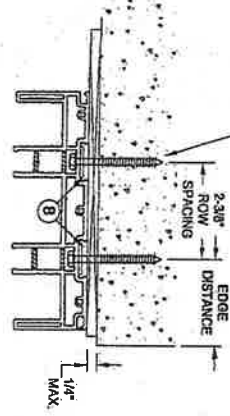
TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE. SEE TABLE 1, SHEET 8

#8 X 3/4" SMS REINFORCEMENT SCREW: 7 PER SILL, LOCATED AT CENTERLINE AND 8", 8" & 12" FROM ENDS (FACTORY INSTALLED).



DETAIL 4
INTO MASONRY

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE. SEE TABLE 1, SHEET 8



DETAIL 4
INTO ALUMINUM

TYP. ANCHOR TYPE, EMBEDMENT AND EDGE DISTANCE PER SUBSTRATE. SEE TABLE 1, SHEET 8

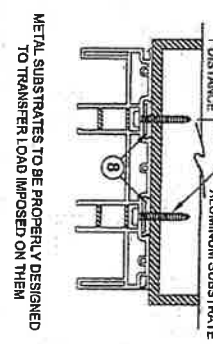


TABLE 1. ANCHOR TYPES:

Type	Substrate	Anchor	Minimum Embedment	Min. Edge Distance
A	P.T. Southern Pine (SG = 55)	#12 Sheat Metal Screw (S5)	1-3/8"	3/4"
		1/4" Eico Ultracon	1-1/2"	1-3/4"
		1/4" Eico Oriole-Flex SS4	1-1/2"	1-3/4"
B	A36 Steel	#12 Sheat Metal Screw (S5)	1-3/8"	1/2"
		#12 Sheat Metal Screw (S5)	1-3/8"	1/2"
C	Concrete (min. 2.7 ksi)	1/4" Eico Ultracon	1-3/8"	3/4"
		1/4" Eico Oriole-Flex SS4	1-3/4"	1"
D	Concrete (min. 3.35 ksi)	1/4" Eico Oriole-Flex SS4	1-1/4"	1"
		1/4" Eico Oriole-Flex SS4	1-3/4"	1"
E	Ungrouted CMU, Jamba Only (ASTM C-90)	1/4" Eico Oriole-Flex SS4	1-3/8"	1-3/4"
		1/4" Eico Oriole-Flex SS4	1-3/4"	1-3/4"
F	Concrete (min. 2.7 ksi)	1/4" Eico Oriole-Flex SS4	1-3/8"	1-3/4"
		1/4" Eico Oriole-Flex SS4	1-3/4"	1-3/4"
G	Ungrouted CMU, Jamba Only (ASTM C-90)	1/4" Eico Oriole-Flex SS4	1-3/8"	1-3/4"
		1/4" Eico Oriole-Flex SS4	1-3/4"	1-3/4"

NOTES:
 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACINGS.
 3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
 4) CONTINUOUS ANCHOR PLATE, ITEM #6, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 6) ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION, REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

ANTHONY LYNN MILLER
 No. 58705
 LICENSE
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 A. LYNN MILLER, P.E. #89705

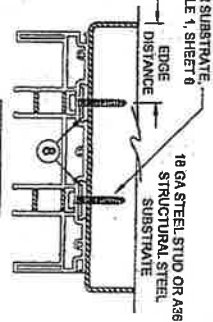
PGT
 1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 32274
 CERT. OF AUTH. #29236

Revised By: J.J.
 Revised Date: 10/11/11
 Revision: FBC 2010 CODE

Vertical Installation Details
 VINYL SGD INSTALLATION GUIDELINES
 Scale: NTS
 Sheet: 6 OF 13

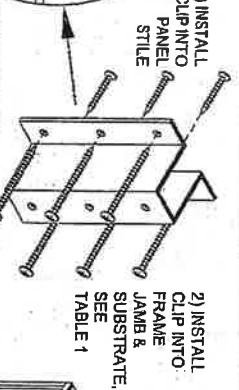
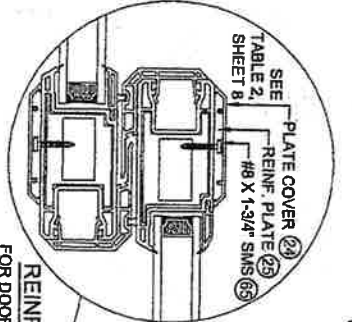
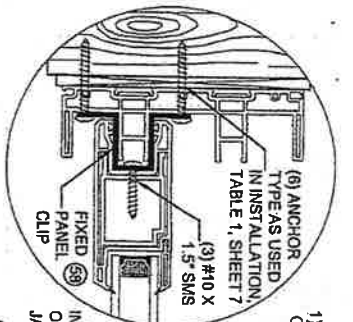
Drawn By: J ROSOWSKI
 Date: 11/18/10
 Drawing No: MD-SGD470-01
 Rev: A

PRODUCT REVIEWED
 as supplied with the Franks
 Building Code
 Approved Date: 11-18-10
 Approved By: J. Rosowski
 Approved For: 470

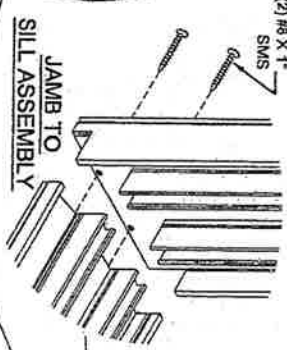


DETAIL 4
INTO STEEL

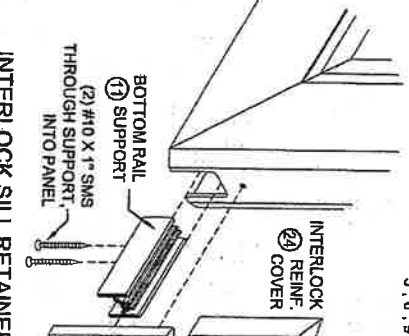
METAL SUBSTRATE DETAILS SHOWN FOR HEAD (SIMILAR DETAILS APPLY TO FRAME, JAMB AND SILL, EXCEPT POCKET JAMB)



FIXED PANEL CLIP
INSTALL ONE CLIP AT THE MIDSPAN OF EACH FIXED PANEL TO FRAME JAMB LOCATION.



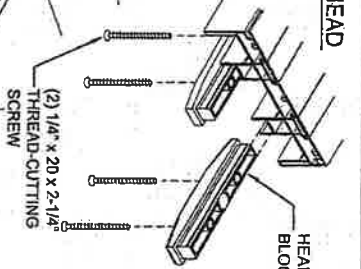
REINFORCEMENT PLATE
FOR DOORS OVER 96\"/>



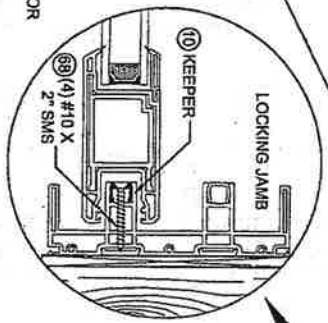
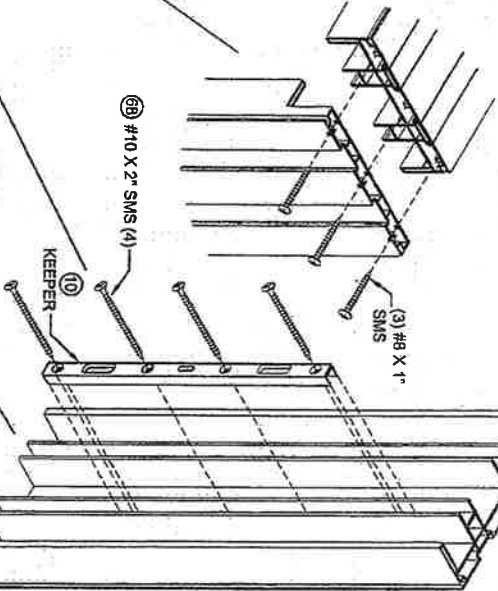
INTERLOCK SILL RETAINER CLIP ATTACHMENT

ALL PANEL CORNERS WELDED, NO ASSEMBLY FASTENERS

HEADER BLOCK TO HEAD ATTACHMENT
INSTALL ONE BLOCK AT EACH INTERLOCK. AT ASTRAGAL, INSTALL ONE BLOCK THAT SPANS BOTH PANELS.

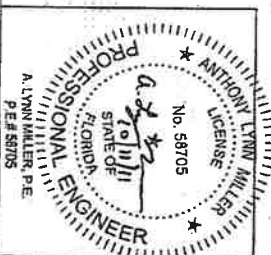
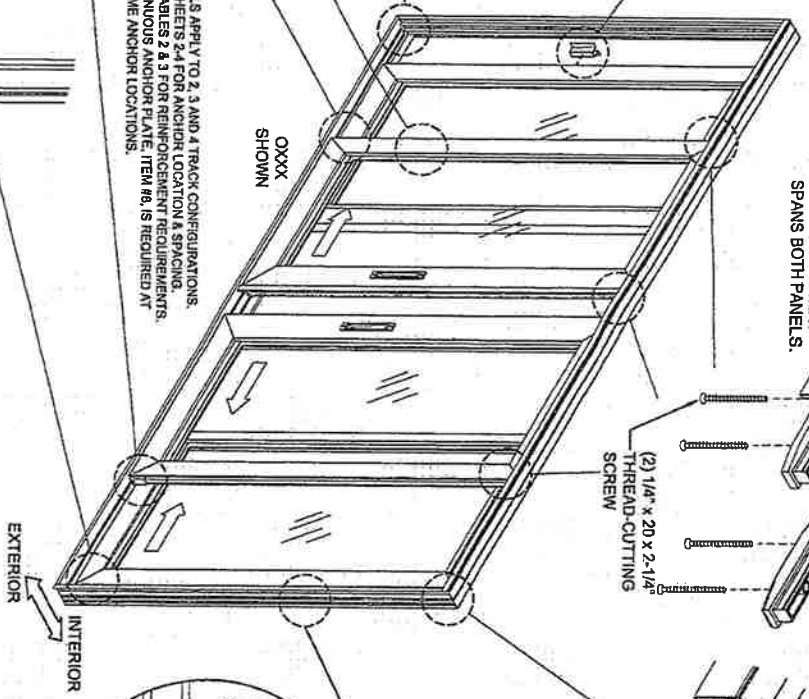


JAMB TO HEAD ASSEMBLY



KEEPER TO JAMB ATTACHMENT

NOTES
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 2, 4 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.



PGT
1070 TECHNOLOGY DRIVE
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CERT. OF AUTH. #29298

Revised By:	J.J.	Date:	10/11/11	Revision:	FBC 2010 CODE	
Revised By:		Date:		Revision:		
Description: ACCESSORIES INSTALLATION DETAILS						
Title:	VINYL SGD INSTALLATION GUIDELINES				Drawn By:	J ROSOWSKI
Standard:	470	Scale:	NTS	Sheet:	7 OF 13	
Drawing No. MD-SGD470-01					Date:	11/18/10
					Rev:	A

PRODUCT REVIEW
in compliance with the Florida Building Code, 11-1018.20
Approved Date: 11/18/10
By: [Signature]
Title: [Title]

TABLE 2:

Series 470 Anchor Quantities and Design Pressures using Heavy Duty Reinforcement

Anchor and Substrate Type: See Table 1, Sheet 6	FRAME HEIGHT (IN)																
	80			84			86			108			120				
NOM. PANEL WIDTH (IN)	FRAME SIDE	4-PANEL MAXIMUM CONFIGURATION															
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1
	Jamb	8	5	7	5	8	5	7	5	8	5	7	5	8	5	7	5
	P-hook	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
	Design Pressure	+160.4	+158.4	+168.4	+159.4	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0	+160.0
30	Head & Sill	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1	CS+1
	Jamb	6	5	7	5	6	5	7	5	6	5	7	5	6	5	7	5
	P-hook	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
	Design Pressure	+141.8	+141.8	+141.8	+141.8	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6	+133.6
38	Head & Sill	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2
	Jamb	6	6	7	5	6	6	7	5	6	6	7	5	6	6	7	5
	P-hook	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8
	Design Pressure	+123.0	+123.0	+123.0	+123.0	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4	+116.4
42	Head & Sill	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2
	Jamb	6	6	7	5	7	6	8	6	7	6	8	6	7	6	8	6
	P-hook	10	8	8	8	11	8	8	8	10	8	8	8	10	8	8	8
	Design Pressure	+104.5	+104.5	+104.5	+104.5	+104.5	+104.5	+104.5	+104.5	+87.8	+87.8	+87.8	+87.8	+87.8	+87.8	+87.8	+87.8
48	Head & Sill	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2
	Jamb	6	5	7	5	6	5	7	5	6	5	7	5	6	5	7	5
	P-hook	8	8	8	8	10	8	8	8	11	9	9	9	10	9	9	9
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0
54	Head & Sill	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2
	Jamb	6	5	7	5	6	5	7	5	6	5	7	5	6	5	7	5
	P-hook	8	8	8	8	10	8	8	8	10	9	9	9	10	9	9	9
	Design Pressure	+74.1	+74.1	+74.1	+74.1	+74.1	+74.1	+74.1	+74.1	+63.8	+63.8	+63.8	+63.8	+63.8	+63.8	+63.8	+63.8
60	Head & Sill	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2	CS+2
	Jamb	5	5	6	5	5	5	6	5	5	5	6	5	5	5	6	5
	P-hook	8	8	8	8	9	8	8	8	10	9	9	9	10	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0

Reinforcements Required, (See Parts on Sheet 10)

Interlock	Lock/Pinned Sill	Astragal	Astragal Add-on	Topposition Rail	Pane (Part 24, 25)
Part 29	Part 20	Part 28	Part 30	Part 26	Required for Height over 66"

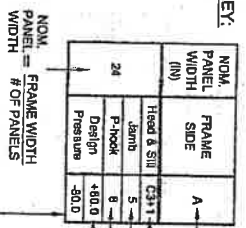
- NOTES
- 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 - 2) SEE SHEETS 2 & 4 FOR ANCHOR LOCATION & SPACING.
 - 3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
 - 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 - 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 - 6) SEE SHEET 2 FOR APPLICABLE D.O.G PER PANEL SIZE.

TABLE A:

Water/Limited (+) Design Pressure	Actual Sill Height	Max. (+) DP Allowed	THE VALUE OF TABLE A AND TABLE 2 DETERMINES WATER LIMITED (+) DP.
1-1/16"	1.688"	See Tables 2,3	
3-1/2"	3.464"	+60.0 psf	
4-1/16"	4.037"	+80.0 psf	
4-5/8"	4.614"	+100.0 psf	

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT (EX. FOR CS+1, 3 ANCHORS REQUIRED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW, SEE TABLE 1, SHEET 6, FOR COMPLETE ANCHOR LIMITATIONS.



THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES, ADDITIONALLY THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE A, THIS SHEET.

TOTAL # OF ANCHORS THROUGH THE P-HOOK THROUGH THE JAMB.

DOOR ASSEMBLIES INSTALLED WHERE THE OPENING (OH) RATIO IS EQUAL TO OR GREATER THAN 1 IS EXEMPTED FROM WATER INfiltration. THE OPENING RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

OH RATIO = OH LENGTH/HO HEIGHT

Revised By: J.J.	Date: 10/11/11	Revision: FBC 2010 CODE	Drawn By: J ROSOWSKI
Revised By:	Date:	Revision:	Date: 11/18/10
Description: DESIGN PRESSURE TABLE 2		Rev: A	
Title: VINYL SGD INSTALLATION GUIDELINES			
Sheet: 470	Scale: NTS	Sheet: 8 OF 13	Drawing No. MD-SGD470-01

ANTHONY LYNN MILLER
LICENSE NO. 58705
STATE OF FLORIDA
PROFESSIONAL ENGINEER
ALYNN MILLER, P.E.
P.E.# 58705

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1620
NOKOMIS, FL 34274
CERT. OF AUTH. #28298

TABLE 3:

Anchor and Substrate Type: See Table 1, Sheet 6		Series 470 Anchor Quantities and Design Pressures using Standard or Composite Reinforcement											
		B-PANEL MAXIMUM CONFIGURATION											
		90				94				98			
NOM. PANEL WIDTH (IN)	FRAME SIDE	A			B			C			D		
		Head & Sill	Jamb	P-hook	Head & Sill	Jamb	P-hook	Head & Sill	Jamb	P-hook	Head & Sill	Jamb	P-hook
24	Design Pressure	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1	+127.1
	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
30	Design Pressure	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3	+106.3
	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
36	Design Pressure	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9	+92.9
	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
42	Design Pressure	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4	+78.4
	Head & Sill	C3+2	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
48	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5

Reinforcements Required (See Parts on Sheet 10)					
Standard	Interlock Part# 26	Lock/Fixed Sill Part# 26	Astragal Part# 26	Astragal Add-on Part# 30	Top/Bottom Rail Part# 26
Thermal-Option	Part# 28	Part# 27	Part# 27	Part# 30	Part# 27

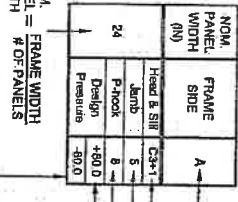
TABLE A:

Water-Limited (*) Design Pressure	Lesser Value of TABLE A AND TABLE 3	Max. (*) DP Allowed
1-1/16"	1.888"	See Tables 2-4
3-1/2"	3.464"	DETERMINES THE WATER LIMITED (*) DP.
4-1/8"	4.037"	
4-5/8"	4.614"	

THE LESSER VALUE OF TABLE A AND TABLE 3 DETERMINES THE WATER LIMITED (*) DP.

NOTES:
 1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
 2) SEE SHEETS 2-4 FOR ANCHOR LOCATION & SPACING.
 3) SEE TABLES 2 & 3 FOR REINFORCEMENT REQUIREMENTS.
 4) CONTINUOUS ANCHOR PLATE, ITEM #8, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
 5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
 6) SEE SHEET 2 FOR APPLICABLE DLO PER PANEL SIZE.

TABLE KEY:



ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE, USING THE ANCHOR QUANTITIES LISTED BELOW, SEE TABLE 1, SHEET 6, FOR COMPLETE ANCHOR LIMITATIONS.

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL AT EACH PANEL MEETING POINT, (EX: FOR C3+1, 3 ANCHORS REQUIRED AT PANEL MEETING POINT AND 1 ANCHOR REQUIRED AT MIDSPAN OF PANEL).

THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES, ADDITIONALLY THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED, SEE TABLE A, THIS SHEET.

TOTAL # OF ANCHORS THROUGH THE P-HOOK.



TOTAL # OF ANCHORS THROUGH THE JAMB.

DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 IS EXEMPTED FROM WATER INfiltrATION. THE OVERHANG RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION:

OH RATIO = OH LENGTH/OH HEIGHT

OH LENGTH

OH HEIGHT


 <p>1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1629 NOKOMBS, FL 34274</p> <p>CERT. OF AUTH. #28208</p>	<p>Revised By: J.J. Date: 10/11/11</p> <p>Revised By: Date: </p> <p>Revision: </p>	<p>Revision: FBC 2010 CODE</p> <p>Revision: </p>	<p>Drawn By: J ROSOWSKI</p> <p>Date: 11/18/10</p> <p>Rev: A</p>	 <p>A. LYNN MILLER, P.E. P.E.# 58705</p>
<p>PRODUCT REVISED as complying with the Florida Building Code. A compliance No. 11-1018-20. Expiration Date: 11/21/11. By: [Signature]</p>	<p>Description: DESIGN PRESSURE TABLES 3 & 4</p> <p>Title: VINYL SGD INSTALLATION GUIDELINES</p> <p>Series/Model: 470</p> <p>Scale: NTS</p> <p>Sheet: 9 OF 13</p> <p>Drawing No. MD-SGD470-01</p>			

Part #	Pgt. #	Description
1	619001	2-Track Head/Lamb
2	619002	2-Track Sill
3	619025	3-Track Head/Lamb
4	619026	3-Track Sill
5	619027	4-Track Head/Lamb
6	619028	4-Track Sill
7	619009	Frame Screw Cover
8	619031	Anchor Plate
9	619007	Track Inset
10	619029M	Aluminum Keeper
11	619036	Bottom Rail Support
12	619006	Outer Sill Cover
13	619011	Sill Track Cover
14	619039	Box Screen Sill Add-on
15	619012	Outer Screen Track (Standard Screen)
16	619038	Box Screen Head and Lamb Add-on
17	619022A	Sill Riser - (DP80)
18	619023A	Sill Riser - (DP80)
19	619024A	Sill Riser - (DP100)
20	619032	P-Hook Adapter
21	619020	P-Hook
22	619014	Reinforcement Cover
23	619030	Reinforcement Plate
24	619017M	Top, Bottom and Sill Reinf. (Alum)
25	19046	Top, Bottom and Sill Reinf. (Comp.)
26	619018M	Interlock - 300 Reinforcement
27	619013M	Interlock - 400 Reinforcement
28	619019M	Astragal Reinforcement
29	619035	Reinforcement Plate
30	619005	Interlock Adapter
31	619004	Astragal Add-on
32	619004	Panel Sillie, Top/Bottom Rail
33	718509	.187" x .280 Fin Seal (Sillie)
34	71698K	1-1/2" x 1" x 3/4" Fin Seal Dust Plug
35	419041	Interlock Clip Cover
36	78153X	Tandem S.S. Roller Assy.
37	78153N	Tandem Nylon Roller Assy.
38	619043	P-Hook Reinforcement Plate
39	710X125FP-SDX	#10 x 1-1/4" Fl. PH SMS

Part #	Pgt. #	Description
50	419042	Frame Header Block
51	48052	Roller Adj. Hole Plug
52	41735	SGD Panel Cornering
53	41736	SGD Panel Cornering Cover
54	71696	Dust Plug
55	44385	4 Hole Bumper Stop
56	619037M	Fixed Panel Clip
57	71696G	Sill Plug
58	78X34PP-SDAX	#8 x 3/8" Ph. TEK Screw
59	78X34PP-SDAX	#8 x 3/4" Fl. PH. TEK - S.S.
60	781P-STX	#8 x 1" Quad - S.S.
61	781P-QX	#8 x 1-1/4" Ph. PH. TEK
62	78X114PH-PT410X	#8 x 1-1/2" Ph. PH. TEK - S.S.
63	710X118PPX	#10 x 2" Ph. F.I.S.S. Screw
64	710X212PPDAX	#10 x 2-1/2" Ph. PH. TEK S.S.
65	712X112PP	#12 x 1-1/2" Ph. PH. A
66	71726K	Dow Corning 995 Silicone
67	71726K	Neoprene Sealing Block 1"x4"x1/16"
68	619010	Silicone-Foam Super Spacer - 1/16"
69	62139	Hol-met Body
70	619015	1-1/16" Beveled Bead
71	63609	Ogee Vinyl Muntin
72	4C00N	Insulated Glass Muntin - Horizontal
73	7558K	I.G. Intersection
74	7560K	I.G. Girdlock Clip - 5/16"

Part #	Pgt. #	Description
90	612266	Box Screen
91	612257	Screen Top Rail
92	612258	Screen Bottom Rail
93	64344	Screen Slide Rail - Lockstyle
94	617349	Screen Astragal
95	64428	OXO Screen Astragal Adapter
96	617347A	Screen Double Interlock
97	41818K	Screen Bug Flap
98	720X1X	Screen Keeper Spacer Set
99	720X12X	1/4-20 x 1" S.S.
100	71793G	Wslp. 270° x .150" - Fin Seal
101	7SRAX	Standard Roller
102	7SRAX	Standard Roller - S.S.
103	7LOCKWGS	Screen Lockset
104	41818K	Screen Lock Keeper Spacers
105	7SDKEEP	Screen Lock Keeper
110	612033	Standard Screen
111	612026A	Screen Frame - Top/Bottom Rail
112	612033	Screen Frame - Side Rail (Latch)
113	617363	OXO Screen Astragal Adapter
114	64853K	Vinyl Astragal
115	617356	Screen Sill Adapter
116	6FP95K	Bug Flap
117	7R42DK	Rivet
118	74X1PA	#4 x 1" Ph. PH. SMS
119	78X112P-SATS	#8 x 1-1/2" Ph. PH. SMS A Z
120	41703N	Screw Boss Bushing
121	712027	Corner Key Wheel Assy. (Standard)
122	712027SS	Corner Key Wheel Assy. (S.S. w/beating)
123	41805K	Screen Handle
124	41806	Screen Handle
125	70416B	Screen Latch Assy.
126	7SNKPN	Screen Keeper
127	61693K	Serrated Screen Spine - .145"
128	61692K	Screen Spine - .165"
129	61694K	Screen Spine - .150"
130	61816C20	Screen Cloth

NOTES
1) SEE SHEET 10 FOR MATERIAL TYPE AND DETAILS.

 <p>1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 P.O. BOX 1629 NOKOMIS, FL 34274</p> <p>CERT. OF AUTH. #29298</p>	<table border="1"> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revision:</td> <td>Drawn By:</td> <td>Date:</td> </tr> <tr> <td>J.J.</td> <td>10/11/11</td> <td>FBC 2010 CODE</td> <td>J ROSOWSKI</td> <td>11/18/10</td> </tr> <tr> <td>Revised By:</td> <td>Date:</td> <td>Revision:</td> <td>Date:</td> <td></td> </tr> </table>	Revised By:	Date:	Revision:	Drawn By:	Date:	J.J.	10/11/11	FBC 2010 CODE	J ROSOWSKI	11/18/10	Revised By:	Date:	Revision:	Date:		<p>PROFESSIONAL ENGINEER</p> <p>ANTHONY CLAY MILLER</p> <p>No. 59705</p> <p>STATE OF FLORIDA</p> <p>PE # 59705</p>
Revised By:	Date:	Revision:	Drawn By:	Date:													
J.J.	10/11/11	FBC 2010 CODE	J ROSOWSKI	11/18/10													
Revised By:	Date:	Revision:	Date:														
<p>REPRODUCED REVISED in accordance with the Florida Automatic Code Adoption No. 11/18/10 Expirations Date 11/18/16 Michael J. Miller Professional Engineer</p>			<p>Rev: A</p>														
<p>Description:</p> <p>BILL OF MATERIALS</p>		<p>Title:</p> <p>VINYL SGD INSTALLATION GUIDELINES</p>															
Series/Model:	Scale:	Sheet:	Drawing No.:														
470	NTS	11 OF 13	MD-SGD470-01														

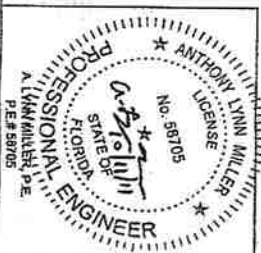
TYPE	STANDARD	REVERSE
2P2T		
2P2T		
3P2T		
3P2T		NOT AVAILABLE
3P3T		
3P3T		
4P2T		NOT AVAILABLE
4P2T		
4P4T		
4P4T		
5P3T		
5P3T		

TYPE	LEFT HAND POCKETS	LEFT HAND POCKETS
1P2T		
2P2T		
3P3T		
4P4T		
2P2T		
4P2T		
6P3T		
8P4T		

TYPE	
6P3T	
6P3T	
8P4T	
8P4T	

NOTES
 1) MAXIMUM OF (8) EIGHT PANELS UP TO 86" FRAME HEIGHT.
 2) MAXIMUM OF (4) FOUR PANEL CONFIGURATION FOR FRAME HEIGHTS OVER 86" AND UP TO 120".
 3) MAXIMUM DOOR FRAME WIDTH (EXCLUDING POCKETS IF APPLICABLE) IS LIMITED TO 487-1/16".

INTERIOR
 EXTERIOR



1070 TECHNOLOGY DRIVE
 N. VERDIE FL 34275
 NOKOMIS, FL 34274
 CERT. OF AUTH. #29296

Revised By: J.J.
 Date: 10/11/11
 Revised: FBC 2010 CODE
 Sample Configs and Panel Names

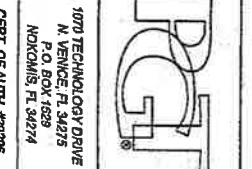
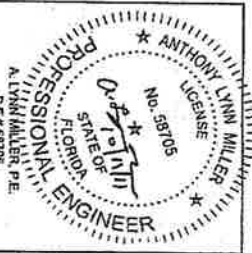
Drawn By: J ROSOWSKI
 Date: 11/18/10
 Title: VINYL SGD INSTALLATION GUIDELINES
 Sheet: 12 OF 13
 Scale: NTS
 Drawing No: MD-SGD470-01
 Rev: A

PRODUCT REVIEWED
 in compliance with the Florida
 Building Code 11/18/10
 Approved By: J.J. Rosowski
 11/18/10

P	SINGLE INTERLOCK		FIXED LOCKSTILE
R	FIXED LOCKSTILE		SINGLE INTERLOCK
T (BOX OUT)	ASTRAGAL OUT		FIXED LOCKSTILE
T (BOX IN)	ASTRAGAL IN		FIXED LOCKSTILE
S (BOX OUT)	FIXED LOCKSTILE		ASTRAGAL OUT
S (BOX IN)	FIXED LOCKSTILE		ASTRAGAL IN
L (BOX OUT)	SINGLE INTERLOCK		ASTRAGAL OUT
LR (BOX OUT)	ASTRAGAL OUT		SINGLE INTERLOCK
N (BOX IN)	ASTRAGAL IN		SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK		ASTRAGAL IN
B	SINGLE INTERLOCK		SINGLE INTERLOCK
M	LOCKSTILE		SINGLE INTERLOCK

F	SINGLE INTERLOCK		SINGLE INTERLOCK
H	SINGLE INTERLOCK		SINGLE INTERLOCK
K	SINGLE INTERLOCK		LOCKSTILE
U (BOX OUT)	ASTRAGAL OUT		LOCKSTILE
U (BOX IN)	ASTRAGAL IN		LOCKSTILE
A	SINGLE INTERLOCK		LOCKSTILE
D	LOCKSTILE		SINGLE INTERLOCK
J (BOX OUT)	LOCKSTILE		ASTRAGAL OUT
J (BOX IN)	LOCKSTILE		ASTRAGAL IN

INTERIOR
↕
EXTERIOR
↔



C	DOUBLE INTERLOCK		ASTRAGAL
M	LOCKSTILE		DOUBLE INTERLOCK
J	LOCKSTILE		ASTRAGAL
SD	SINGLE INTERLOCK		DOUBLE INTERLOCK
A	DOUBLE INTERLOCK		LOCKSTILE
U	ASTRAGAL		LOCKSTILE
DS	DOUBLE INTERLOCK		SINGLE INTERLOCK

NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) SEE SHEETS 234 FOR ANCHOR LOCATION & SPACING.
3) SEE TABLES 2 & 3 FOR RISE AND FALL DIMENSIONS.
4) DETAILS INCLUDE ANCHOR PLATE, ITEM #8 IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.

PRODUCT REVIEWED
in compliance with the Florida Building Code
Application No. 11-1013-20
Expiry date: 08/27/2016
By: *[Signature]*
Title: *[Signature]*

Revised By:	Date:	Revised:	Date:
J.J.	10/11/11	FBC 2010 CODE	
Revised By:	Date:	Revised:	Date:
Description:		Drawn By:	
PANEL TYPES		J ROSOWSKI	
TITLE: VINYL SGD INSTALLATION GUIDELINES			
Scale:	Sheet:	Drawing No.:	Date:
NTS	13 OF 13	MD-SGDD470-01	11/18/10
Scale:	Sheet:	Drawing No.:	Date:
NTS	13 OF 13	MD-SGDD470-01	11/18/10



Product Approval
USER: Public User

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Product Approval Menu > Product or Application Search > Application List > Application Detail

OFFICE OF THE SECRETARY

FL #	FL5777-R3	
Application Type	Revision	5777.1
Code Version	2010	
Application Status	Approved	
Comments		
Archived		
Product Manufacturer	Custom Window Systems Inc.	
Address/Phone/Email	1900 SW 44th Avenue Ocala, FL 34474 (352) 368-6922 ekoss@cws.cc	
Authorized Signature	Michael LaFevre mlafevre@cws.cc	
Technical Representative	Brian Tenace	
Address/Phone/Email	1900 SW 44th Ave. Ocala, FL 34474 (352) 368-6922 Ext 291 btenace@cws.cc	
Quality Assurance Representative	Jeff Thompson	
Address/Phone/Email	1900 SW 44th Ave. Ocala, FL 34474 (352) 368-6922 Ext 221 jthompson@cws.cc	
Category	Windows	
Subcategory	Mullions	
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. Urlich, PE	
	☑ Validation Checklist - Hardcopy Received	
Certificate of Independence	FL5777_R3_COI_EvalRep_CWS-244A (Non-Impact 3 in Mull).pdf	
Referenced Standard and Year (of Standard)	Standard	Year
	AAMA 450-06	2006
	TAS 202	1994
Equivalence of Product Standards Certified By		
Sections from the Code		

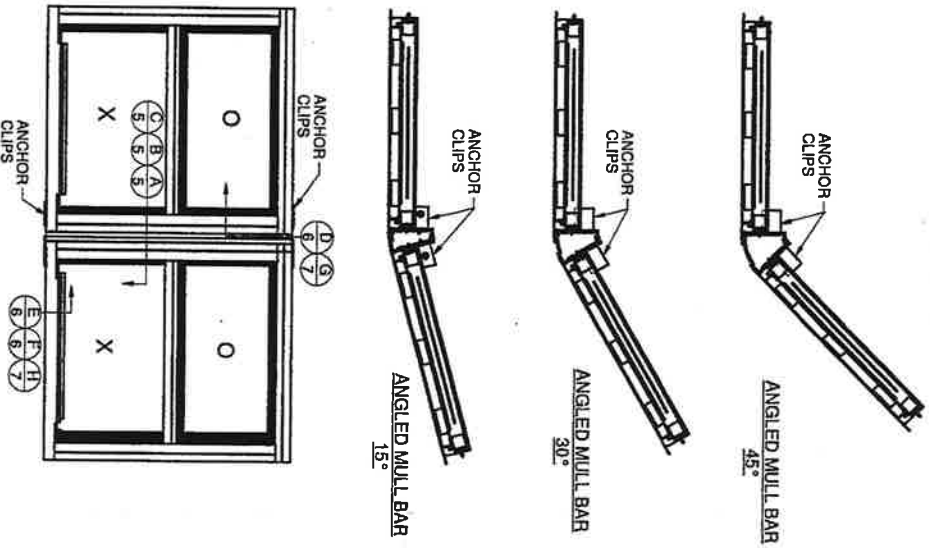
Date Submitted 02/22/2012
 Date Validated 03/26/2012
 Date Pending FBC Approval 04/10/2012
 Date Approved 06/11/2012

Summary of Products

FL #	Model, Number or Name	Description
5777.1	Adjustable (Angled) Mull	Adjustable Mullion for Alum. and PVC Windows.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-N/A Other: Not for use in HVHZ. See Mullion Product Evaluation Report for complete list of Limitations and Conditions.		Installation Instructions FL5777_R3_II_CWS-243A (Adj Mull Install).pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL5777_R3_AE_EvalRep_CWS-243A (Adj Mull Install).pdf Created by Independent Third Party: Yes
5777.2	CWS-1758 Mull Bar	3" Mull Bar for PVC Windows.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Mullion Product Evaluation Report for complete list of Limitations and Conditions of Use.		Installation Instructions FL5777_R3_II_CWS-430A (3 in Non-Impact).pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL5777_R3_AE_EvalRep_CWS-430A (3 in Non-Impact).pdf Created by Independent Third Party: Yes
5777.3	CWS-1759 Mull Bar	4" Mull Bar for PVC Windows.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Mullion Product Evaluation Report for complete list of Limitations and Conditions of Use.		Installation Instructions FL5777_R3_II_CWS-431A (4 in Non-Impact).pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL5777_R3_AE_EvalRep_CWS-431A (4 in Non-Impact).pdf Created by Independent Third Party: Yes
5777.4	CWS-1760 Mull Bar	5 1/2" Mull Bar for PVC Windows.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: See Mullion Product Evaluation Report for complete list of Limitations and Conditions of Use.		Installation Instructions FL5777_R3_II_CWS-432A (5 in Non-Impact).pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL5777_R3_AE_EvalRep_CWS-432A (5 in Non-Impact).pdf Created by Independent Third Party: Yes
5777.5	CWS-1950 Mull Bar	2" Mull Bar for Aluminum Windows.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-N/A Other: Not for use in HVHZ; See Mullion Product Evaluation Report for complete list of Limitations and Conditions of Use.		Installation Instructions FL5777_R3_II_CWS-245A (Non-Impact 2 in Mull).pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL5777_R3_AE_EvalRep_CWS-245A (Non-Impact 2 in Mull).pdf Created by Independent Third Party: Yes
5777.6	CWS-1952 Mull Bar	3" Mull Bar for Aluminum Windows.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +N/A/-N/A Other: Not for use in HVHZ; See Mullion Product Evaluation Report for complete list of Limitations and Conditions of Use.		Installation Instructions FL5777_R3_II_CWS-244A (Non-Impact 3 in Mull).pdf Verified By: Lucas A. Turner 58201 Created by Independent Third Party: Yes Evaluation Reports FL5777_R3_AE_EvalRep_CWS-244A (Non-Impact 3 in Mull).pdf Created by Independent Third Party: Yes

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

**ANGLED MULL BAR ELEVATIONS
SHOWN W/DIFFERENT OPTIONS**



**EXAMPLE ALUMINUM WINDOW WITH ANGLED MULL BAR
(FOR SECTION VIEW CALLOUTS ONLY)**

MULL BAR INSTALLATION REQUIREMENTS:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE FLORIDA BUILDING CODE, CURRENT EDITION.
2. CONFIGURATIONS (SEE SHEET 2):
 1. VERTICAL
3. ALL MULLION EXTRUSIONS ARE 6063-T6 ALUMINUM.
4. DESIGN PRESSURE OF MULLED UNITS SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT.
5. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF WINDOW OPENING AND ALL WOOD FRAMING AROUND WINDOW.
6. RESPONSIBILITY OF SELECTING FENESTRATION PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS RESTS SOLELY WITH THE ARCHITECT, ENGINEER OF RECORD, BUILDING OWNER OR CONTRACTOR.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN AREAS WHERE WIND BORNE DEBRIS PROTECTION IS REQUIRED.
8. DESIGN PRESSURES AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
9. SEE MULLION CHARTS FOR MAX. DESIGN PRESSURES AND LENGTH (REFER TO SHEET 3).
10. 1x AND 2x WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. BUCK AND FRAMING IS RESPONSIBILITY OF ARCHITECT OR ENGINEER OF RECORD.
11. SINGLE UNITS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. SINGLE UNITS TO BE MULLED TOGETHER MUST BE MANUFACTURED BY CUSTOM WINDOW SYSTEMS, INC. AND MUST BE MADE OUT OF VINYL, PVC OR EXTRUDED ALUMINUM.
12. VERTICAL MULLED UNITS MAY BE MULLED INDEFINITELY AS LONG AS THE SINGLE UNIT WIDTH AND HEIGHT ARE NOT EXCEEDED, AND MULLIONS ARE ANCHORED AS SHOWN HERE IN.
13. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 8 FOR ANCHOR DETAIL. WINDLOAD DURATION FACTOR CD=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.

TABLE OF CONTENTS

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 DESIGN PRESSURE CHARTS..... 3
 EXTRUSIONS & B.O.M..... 4
 MULL BAR SECTION VIEWS..... 5
 INSTALLATION DETAILS..... 6-7

Lucas A. Turner, P.E.

2012-02-06 14:30-05:00

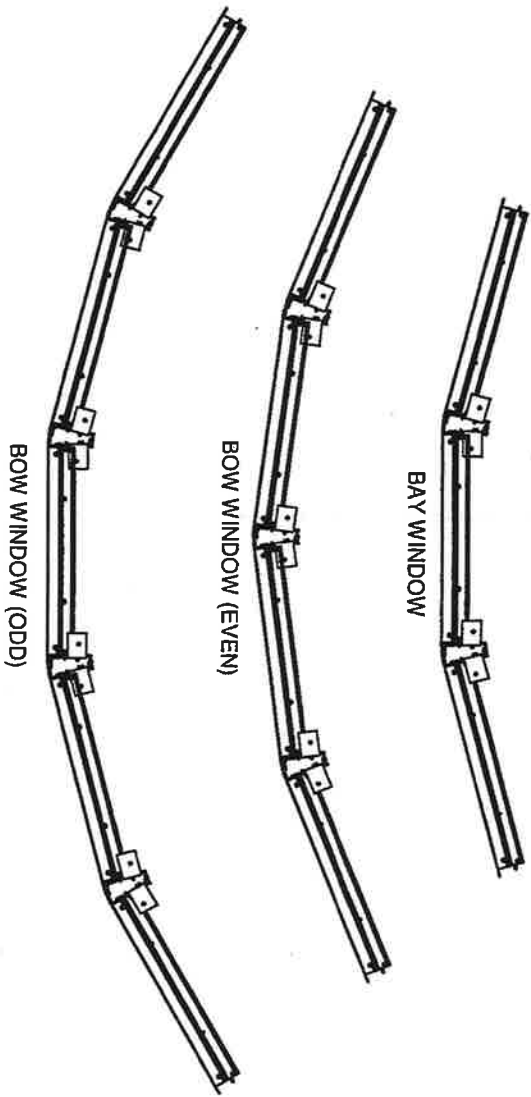
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2/6/2012

LUCAS A. TURNER, FL. P.E. NO. 68201		11/30/2011 TEF	
A UPDATED PER 2010 FBC			
TITLE: GENERAL NOTES & ELEVATION - ANGLED MULL BAR			
SERIES:	DRAWN BY: AAJ	DATE:	11/19/2008
MODEL: ANGLED MULL BAR	SCALE: NTS	PWG. NO.:	CWS-243
	REV. LETTER: A	SHEET:	1 OF 7

ANGLED MULL BAR ASSEMBLY OPTIONS
 APPLIES TO 45, 30, & 15 DEGREE CONFIGURATIONS



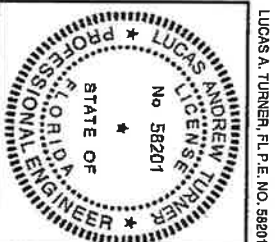
BOW WINDOW (ODD)

BOW WINDOW (EVEN)

BAY WINDOW

- NOTES:**
- FOR CLIPS INTO CONCRETE CONSTRUCTION, ATTACH MULLION TO SUBSTRATE WITH 3/16" DIA TITW TAPCON ANCHORS. MASONRY ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE THRU CLIP OR THRU 1X BUCK. A MINIMUM CENTER TO CENTER ANCHOR SPACING OF 1 5/8" SHALL BE MAINTAINED. A MINIMUM CONCRETE EDGE DISTANCE OF 1 1/8" SHALL BE ACHIEVED IN ANY DIRECTION.
 - FOR CLIPS INTO WOOD CONSTRUCTION, ATTACH MULLION TO SUBSTRATE WITH #10 WOOD SCREW WITH WASHER. WOOD ANCHORS MUST BE OF SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO 2X WOOD BUCK THRU CLIP. A MINIMUM WOOD EDGE DISTANCE OF 7/8" SHALL BE ACHIEVED IN ANY DIRECTION. A MINIMUM CENTER TO CENTER ANCHOR SPACING OF 3/4" SHALL BE MAINTAINED.
 - AT MULLION LOCATION, ATTACH WINDOW UNIT(S) TO MULLBAR THRU FRAME AS SPECIFIED IN WINDOW UNIT APPROVAL DOCUMENTS. IF ALUMINUM ATTACHMENT IS NOT SPECIFIED IN THE WINDOW UNIT APPROVAL DOCUMENTS, FOLLOW THE ANCHOR SPACING AS INDICATED IN THE WINDOW APPROVAL FOR ATTACHMENT TO WOOD SUBSTRATE. USING A HEX WASHER HEAD TEK SCREW OF THE SAME SIZE (#10 OR #12) AS THE WOOD SCREW INDICATED IN THE WINDOW APPROVAL. TEK SCREWS SHALL BE LONG ENOUGH TO ENSURE THREE (3) THREADS OF PENETRATION BEYOND THE INSIDE WALL OF MULLBAR.
 - THE INSTALLER SHALL DRILL HOLES THRU MULL BAR AND MULL CLIP PRIOR TO INSTALLING SCREWS. A MINIMUM EDGE DISTANCE OF 1/4" SHALL BE MAINTAINED ON THE CLIP IN ANY DIRECTION. A MINIMUM CENTER TO CENTER SCREW SPACING OF 1 5/8" SHALL BE MAINTAINED ON THE CLIP. THE INSTALLER MAY LOCATE SCREWS, WITHIN THE ABOVE CONSTRAINTS, AS NEEDED.
 - ALL INSTALLATION ANCHORS MUST BE MADE OF OR COATED WITH A CORROSION RESISTANT MATERIAL. DISSIMILAR MATERIALS OR MATERIALS IN CONTACT WITH PRESSURE TREATED WOOD MUST BE PROTECTED TO PREVENT REACTIONS.
 - INSTALLATION ANCHORS SHALL BE IN ACCORDANCE WITH ANCHOR MANUFACTURERS INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
 - INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.4035 (SOUTHERN PINE OR GREATER)
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER)
 - SEALING AND FLASHING STRATEGIES FOR OVERALL WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS IN ACCORDANCE WITH THE CURRENT VERSION OF THE FOLLOWING REFERENCE DOCUMENTS:
 - FMA/AMA 100 (FIN WINDOWS), FMA/AMA 200 (FLANGE WINDOWS),
 - FMA/AMA 250 (BOX WINDOWS), FMA/AMA/AMA 300 (EXTERIOR DOORS).

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LUCAS A. TURNER, F.L.P.E. NO. 58201
 A UPDATED PER 2010 FBC 11/30/2011 TEF

 1900 SW 44TH AVE. OCALA, FLORIDA 34474	
TITLE: ASSEMBLY CONFIGS. / ANCHORAGE NOTES- ANGLED MULL BAR	
SERIES:	DRAWN BY: AAJ
MODEL: ANGLED MULL BAR	SCALE: NTS
	REV. LETTER: A
	DATE: 11/19/2008
	DWG. NO.: CWS-243
	SHEET: 2 OF 7

ITW Tapcon into Hollow Block Design Pressure Chart, PSF, for Non-Impact Angled Vertical Mullion 1379/1376.

MULL LENGTH (in.)	OPENING WIDTH (in.)										
	48	54	60	66	72	78	84	90	96	102	106
24	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42	120.0	120.0	115.2	110.9	108.0	106.3	105.8	105.8	105.8	105.8	105.8
48	108.0	100.2	94.3	89.8	86.4	84.0	82.3	81.3	81.0	81.0	81.0
54	92.6	85.3	79.8	75.4	72.0	69.4	67.3	65.8	64.8	64.2	64.0
60	81.0	74.3	69.1	65.0	61.7	59.1	57.0	55.3	54.0	53.0	52.6
66	72.0	65.8	61.0	57.1	54.0	51.5	49.4	47.7	46.3	45.2	44.6
72	64.8	59.1	54.6	50.9	48.0	45.6	43.6	41.9	40.5	39.3	38.7
76	60.8	55.3	51.0	47.5	44.7	42.3	40.4	38.8	37.4	36.2	35.6

ITW Tapcon into Solid Concrete Design Pressure Chart, PSF, for Non-Impact Angled Vertical Mullion 1379/1376.

MULL LENGTH (in.)	OPENING WIDTH (in.)										
	48	54	60	66	72	78	84	90	96	102	106
24	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48	120.0	120.0	120.0	117.5	113.1	109.9	107.7	106.4	106.0	106.0	106.0
54	120.0	111.7	104.4	98.7	94.2	90.8	88.1	86.1	84.8	84.0	83.8
60	106.0	97.3	90.5	85.1	80.8	77.3	74.5	72.4	70.7	69.4	68.8
66	94.2	86.1	79.8	74.8	70.7	67.3	64.6	62.4	60.6	59.1	58.3
72	84.8	77.3	71.4	66.7	62.8	59.6	57.0	54.8	53.0	51.5	50.6
76	79.5	72.4	66.7	62.2	58.5	55.4	52.9	50.7	48.9	47.4	46.5

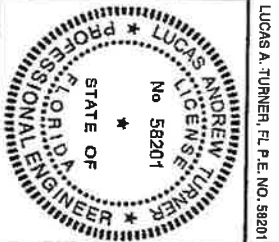
#10 Screw into Wood Design Pressure Chart, PSF, for Non-Impact Angled Vertical Mullion 1379/1376.

MULL LENGTH (in.)	OPENING WIDTH (in.)										
	48	54	60	66	72	78	84	90	96	102	106
24	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
30	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
36	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
42	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
48	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
54	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
60	120.0	120.0	120.0	116.4	109.5	103.5	98.7	94.9	91.9	89.7	88.5
66	120.0	112.5	102.7	94.8	88.4	83.2	78.9	75.4	72.5	70.2	68.9
72	104.3	93.7	85.3	78.5	73.0	68.5	64.7	61.6	58.9	56.7	55.5
76	91.2	82.0	74.7	68.8	64.0	60.1	56.8	54.0	51.7	49.8	48.7

NOTE: OPENING WIDTH IS THE SUM OF THE INDIVIDUAL WIDTHS OF THE TWO WINDOWS BEING MULLED.

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PROPRIETARY AND CONFIDENTIAL 2/6/2012



LUCAS A. TURNER, P.E. NO. 58201

A UPDATED PER 2010 FBC 11/30/2011 TEF

Custom Windows & Doors
1900 SW 44TH AVE
OCALA, FLORIDA 34474

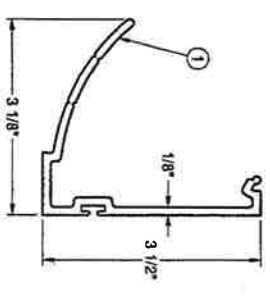
TITLE: DESIGN PRESSURE CHARTS - ANGLED MULL BAR

SERIES: DRAWN BY: AAJ DATE: 11/19/2008

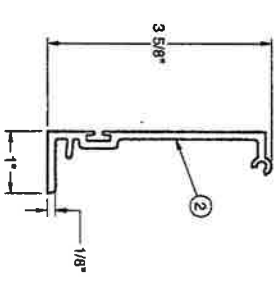
MODEL: ANGLED MULL BAR SCALE: NTS DWG. NO.: CWS-243

REV. LETTER: A SHEET: 3 OF 7

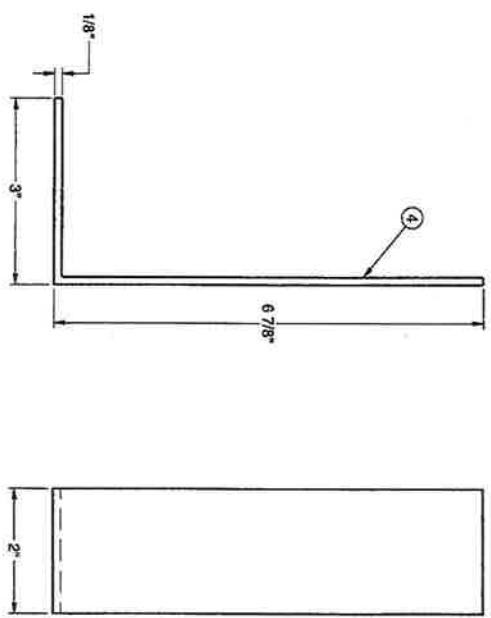
ITEM NO.	PART NO.	DESCRIPTION
1	S-1373	ANGLED MULL BAR - 1
2	S-1376	ANGLED MULL BAR - 2
3	P-3767	#10 x 1" HEX WASHER HEAD TEK
4	P-1767	ANCHOR CLIP, ANGLED MULL



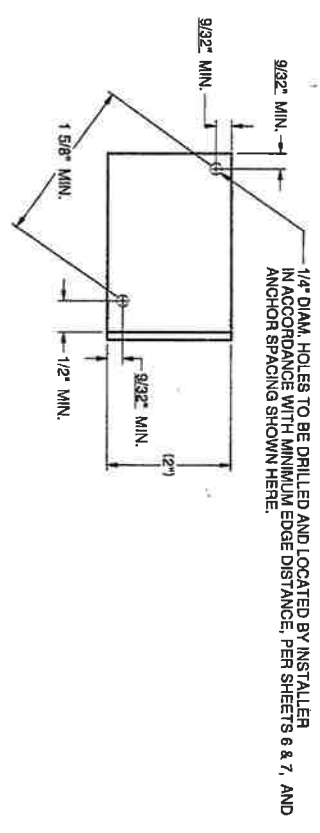
ANGLED MULL 1 - 1373
ALUMINUM 6063-T6



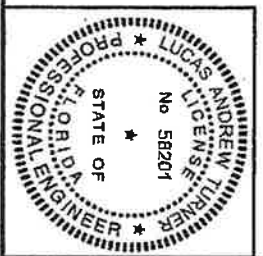
ANGLED MULL 2 - 1376
ALUMINUM 6063-T6



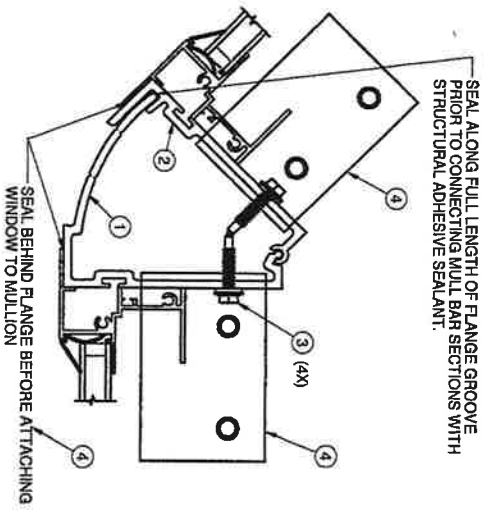
ANCHOR CLIP - 1767
ALUMINUM 6063-T6



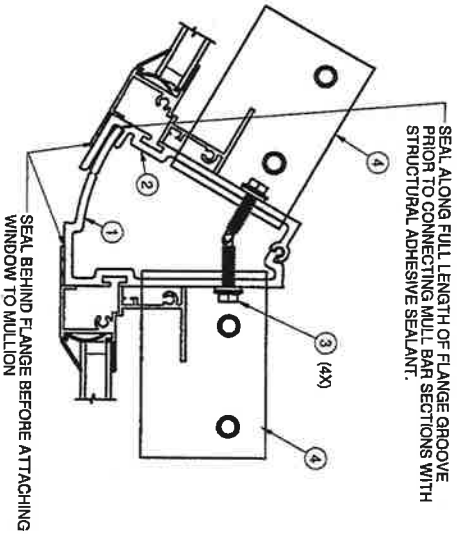
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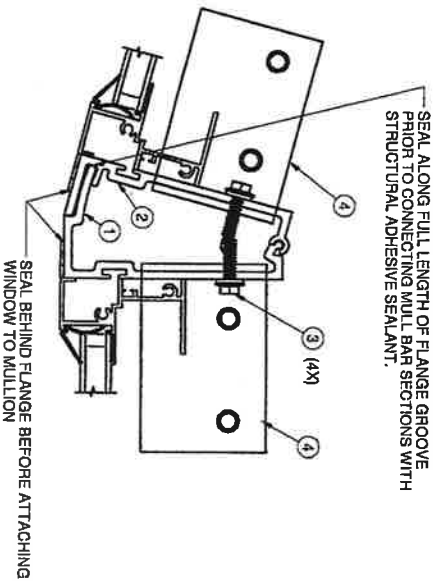
LUCAS A. TURNER, F.L.P.E. NO. 58201		A		UPDATED PER 2010 FBC		11/30/2011 TEF	
 CUSTOM WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474				TITLE: EXTRUSIONS & BILL OF MATERIALS - ANGLED MULL BAR			
SERIES:	MODEL:	DRAWN BY:	DATE:	SHEET:			
ANGLED MULL BAR	ANGLED MULL BAR	AAJ	11/19/2001	4 OF 7			
SCALE:	REV. LETTER:	NTS	A	DWG. NO.:	CWS-24		



A ANGL ED MULL BAR SECTION
5 TWIN WINDOWS - 45°

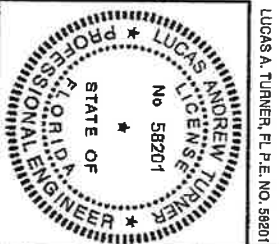


B ANGL ED MULL BAR SECTION
5 TWIN WINDOWS - 30°



C ANGL ED MULL BAR SECTION
5 TWIN WINDOWS - 15°

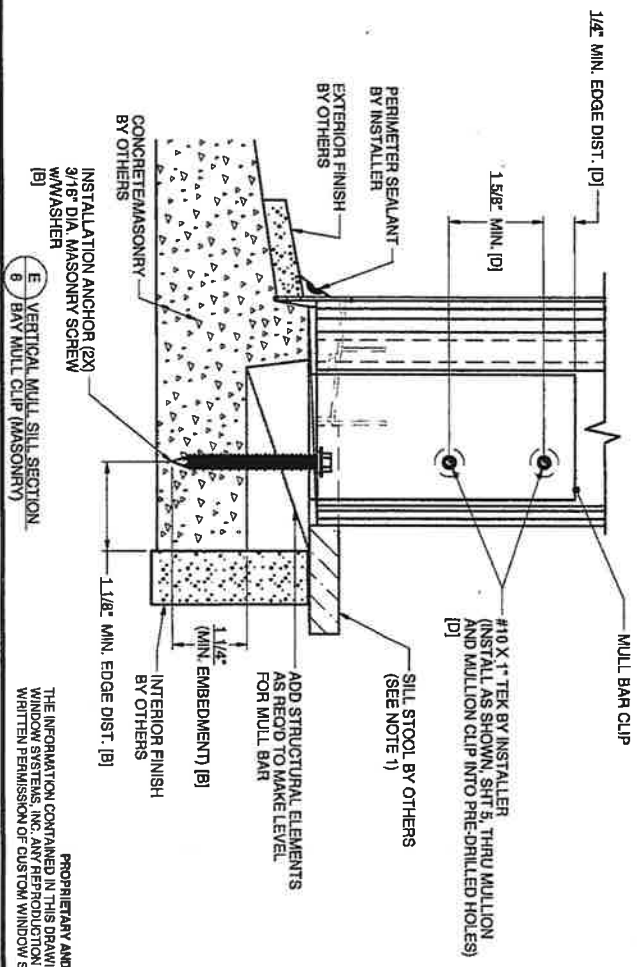
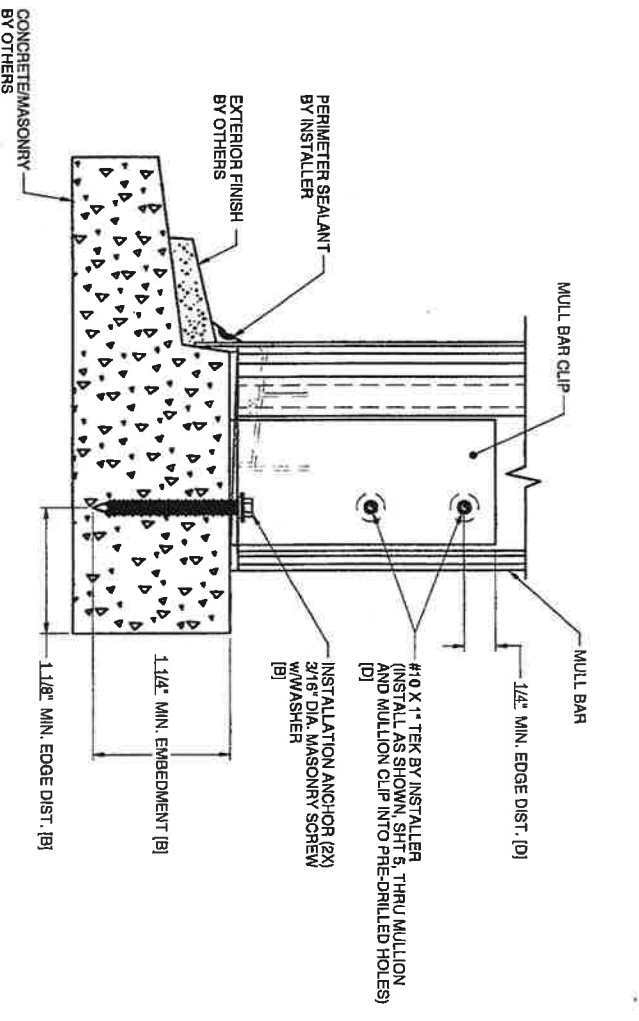
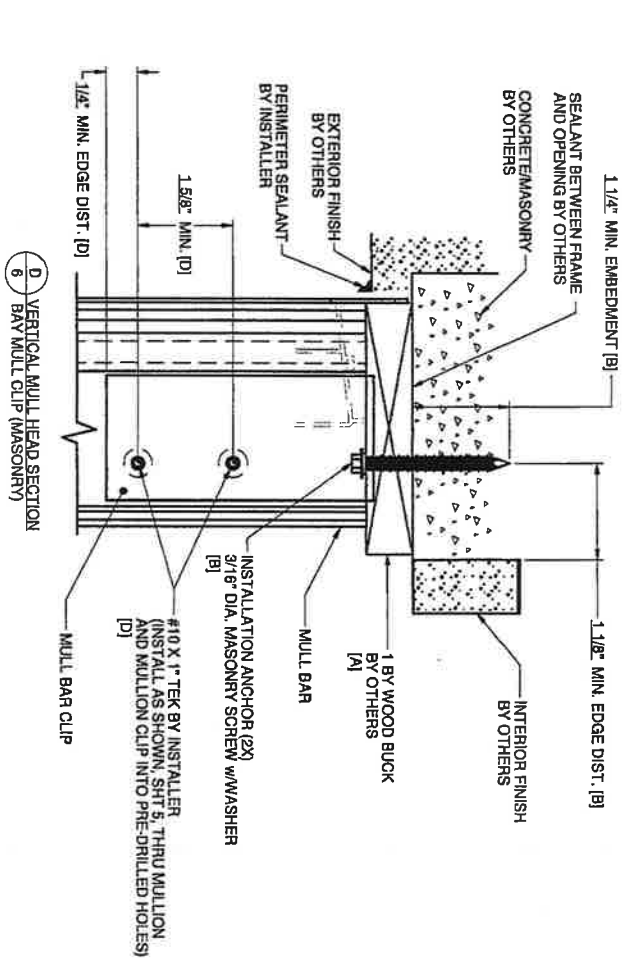
2/6/2012
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LUCAS A. TURNER, P.E. NO. 58201

A | UPDATED PER 2010 FBC | 11/30/2011 TEF

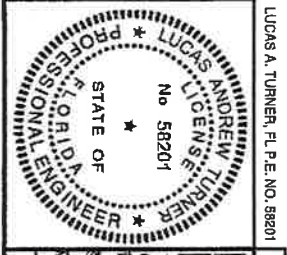
<p>1900 SW 44TH AVE. OCALA, FLORIDA 34474</p>		<p>TITLE: SECTION VIEWS - ANGL ED MULL BAR</p>	
SERIES:	DRAWN BY: AAJ	DATE:	11/19/2008
MODEL: ANGL ED MULL BAR	SCALE: NTS	DWG. NO.:	CWS-243
REV. LETTER: A	REV. LETTER: A	SHEET:	5 OF 7



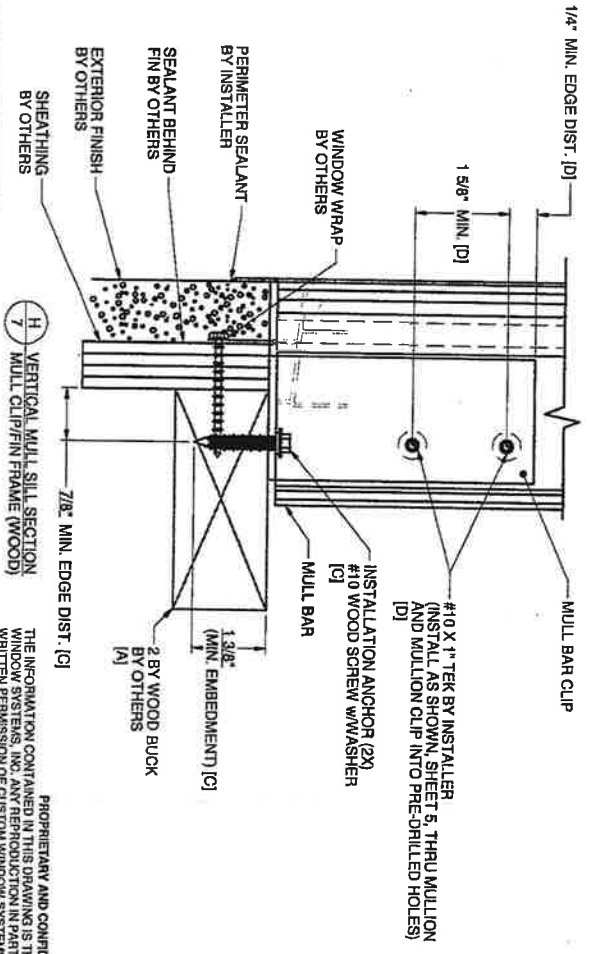
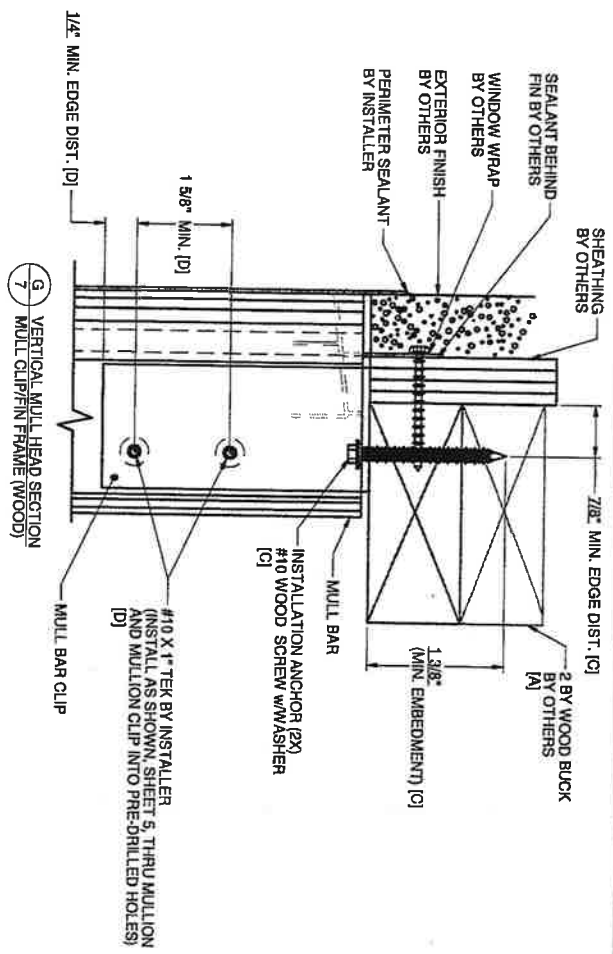
REFERENCE NOTES:
 A SEE NOTE 10, SHT 1
 B SEE NOTE 1, SHT 2
 C SEE NOTE 2, SHT 2
 D SEE NOTES 3&4, SHT 2

NOTES:
 1. SILL STOOL MUST BE FLUSH AGAINST INSIDE OF MULLED WINDOWS AFTER INSTALLATION.
 2. TWO (2) ANCHOR SCREWS REQUIRED PER MULLION CLIP FOR INSTALLATION.

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 2/6/2012
 22



LUCAS A. TURNER, P.E. NO. 58201		11/30/2011 TE	
A UPDATED PER 2010 FBC			
Custom WINDOWS & DOORS 1900 SW 44TH AVE. OCALA, FLORIDA 34474			
TITLE: MULL BAR CLIP/MASONRY INSTALLATION - ANGLED MULL BAR			
SERIES:	AAJ	DATE:	11/19/20C
MODEL:	ANGLED MULL BAR	SCALE:	NTS
REV. LETTER:	A	DWG. NO.:	CWS-24
		SHEET:	6 OF 7



PROPRIETARY AND CONFIDENTIAL
 2/6/2012
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- NOTES:
1. RECESS RETRO MULLION CLIP 1/4" FOR CLEARANCE OF WINDOW UNIT WHEN INSTALLED.
 2. TWO (2) ANCHOR SCREWS REQUIRED PER MULLION CLIP FOR INSTALLATION.

- REFERENCE NOTES:
- A SEE NOTE 10, SHT 1
 - B SEE NOTE 1, SHT 2
 - C SEE NOTE 2, SHT 2
 - D SEE NOTES 3&4, SHT 2

LUCAS A. TURNER, FL P.E. NO. 58201

A | UPDATED PER 2010 FBC | 11/30/2011 TEF

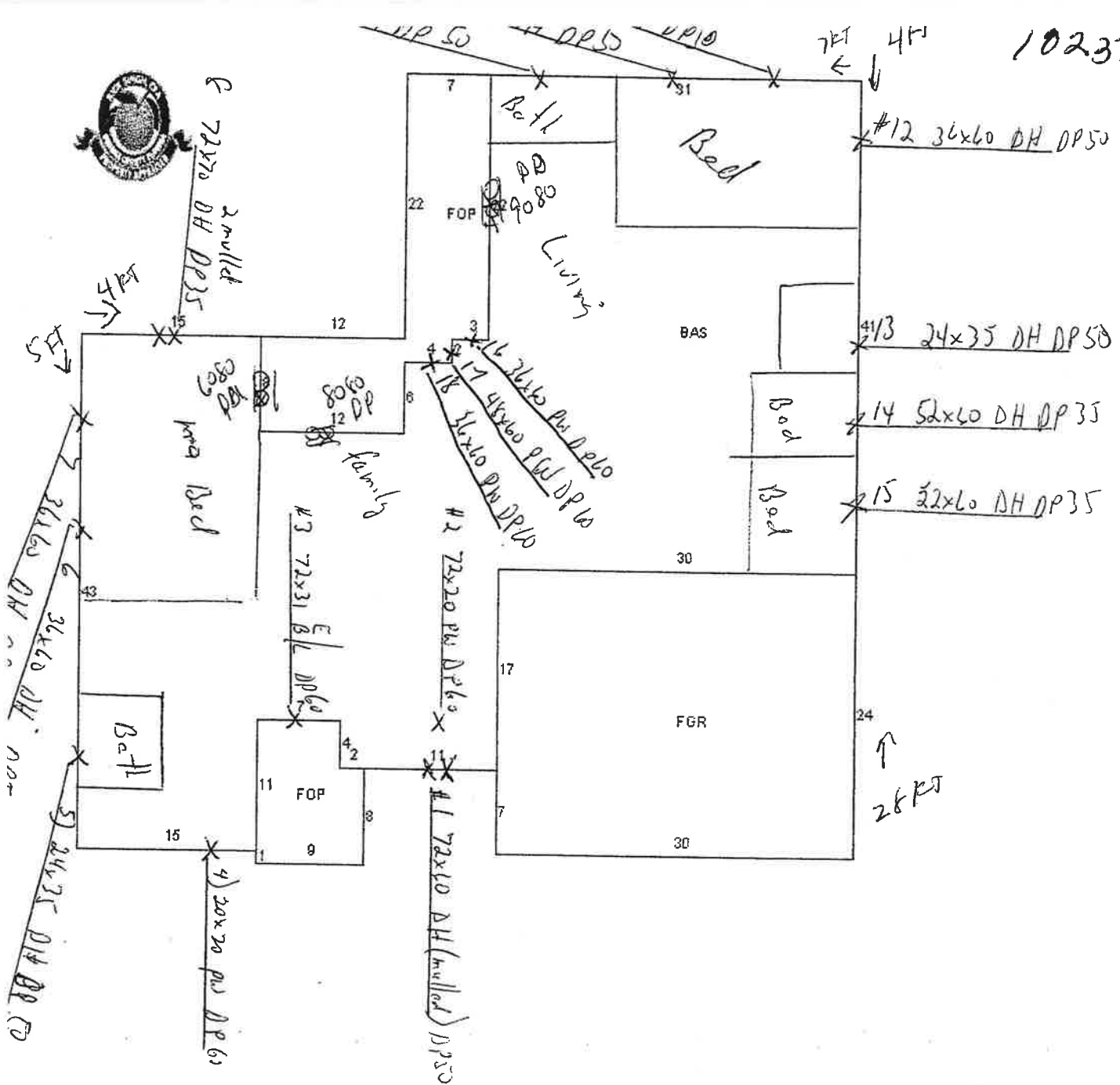
Lucas Andrew Turner
 No 58201
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Custom
 WINDOWS & DOORS
 1900 SW 44TH AVE.
 OCALA, FLORIDA 34474

TITLE: MULL BAR CLIP/FIN WOOD INSTALLATION - ANGLED MULL BAR

REVISED: AAJ DATE: 11/19/2008
 MODEL: ANGLED MULL BAR SCALE: NTS DWG. NO.: CWS-243
 REV LETTER: A SHEET: 7 OF 7

10237 RI



MRT+MRS Richard Mendoza

5393 Chiswick cir

Orlando, FL 32812

407 234 9875

1 story - Mea Roof 28 FT

Job # 10237

Name: Mr & Mrs Richard Mendoza Tel# 407 224 9875 Tel# 407 251 0018 Email: _____
I/We, the owner(s) of the premises described below, hereinafter referred to as "Buyer" offer to contract with FAS Windows & Doors, hereinafter referred to as "FASWD", to furnish all materials list below for use at the premises located at: _____
Is there a Homeowners Association? Yes No

5393 Chiswick Cir Orlando FL 32812
(Street) (City) (State) (Zip)

Congratulations on your purchase of the finest home improvement products in the industry today! Below are the names and contact information of key people involved with your purchase. We believe that communication is the pathway to success! Please contact the people below at any time regarding your purchase and/or installation.

Installation

You will be contacted by a member of your Installation Team to discuss the following:

1. Confirm receipt of your contract and review specifications.
2. Schedule a time for the tight measure.
3. Identify an approximate installation start or delivery date.
4. Answer any concerns you may have related to the project.

Customer Care

In the event that you have any questions or concerns regarding the window or door installation, please do not hesitate to contact IGM, your Production Coordinator, or IGM, your Production Manager, at 407 770 0184. If you feel that we did not deliver on any of our promises to you, please contact us at 407 770 0184.

Install Pick Up Delivery Low-E Mixed Impact Mixed

Quantity	Manufacturer	Series	Style	Color	Grids	Screens	Obscure/ Temper	Line Notes
4	Front Grid 9800-Sim	9800	DH	W	CP	Full	NA	Keepsafe glass
2	Simonton	9800	RW	W	CP	NA	NA	Keepsafe
10	Sim	9800	DH	W	NA	Full	NA	Keepsafe
1	Sim	9800	EBL	W	NA	NA	NA	Super Sensor

*Please note all grid specifications, finish, hardware, trim and hinge details in line notes.

Special Instructions:

Add 3 PGT 470 SBD S

Please read the following bold type and initial corresponding line.

BHI doors are non-finished. Failure to paint or stain doors in a timely manner may affect your rights under the manufacturer's warranty.

Not Applicable

Buyer initials: RM TM

Verbal understandings and agreements with representative shall not be binding. All understandings and agreements must be set forth in writing in this Contract. understand and recognize all terms and conditions on the front and reverse of this contract and am initialing to indicate my complete understanding.

Buyer initials: RM TM

HURRICANE PROTECTION I acknowledge that I am the owner of the residence and have contracted with FASWD to replace windows/doors. The home I located in an impact zone and I have existing hurricane protection equipment that complies with local jurisdiction. FASWD will not be liable if my existing protection equipment is deemed inadequate by the local government inspector after my windows are installed. In the event that my hurricane protection equipment fails inspection, I understand that FASWD will supply appropriate materials at a cost to me of \$375.00 per opening. I am initialing to indicate my complete understanding.

Not Applicable

Buyer initials: RM TM

NOTE: The warranty provisions as stated on the reverse have been explained and I/We understand them fully. Additional provisions and warranties are stated on the reverse side and are part of this contract.

Buyer initials: RM TM

The **TOTAL PRICE** for all Labor & Materials (including any applicable discount) is

Terms: Credit (Subject to the approval of the Credit Department)
Credit Approval Code: _____

Credit Card (Please fill out credit card information sheet)

Cash (Final Payment payable to Installer upon completion)

SUB TOTAL: 16635

TAX (DELIVERY OR PICK UP ONLY): -

GRAND TOTAL: 16635

DEPOSIT REQUIRED: 8318

BALANCE DUE: 8317

If this is a credit transaction, the agreement for credit is contained in a separate document which is incorporated herein by reference and made a part hereof. IN WITNESS WHEREOF Buyer(s) have hereunto signed their name(s) this 16 day of Feb, 2015 and acknowledge receipt of a true copy of this Contract and unless otherwise specified, it is understood that the Buyer is ready for work to begin.

You, the Buyer(s), may cancel this transaction at any time prior to midnight of the third day after the date of this transaction. Signature affixed below sets as a receipt that buyer(s) received appropriate cancellation forms. See reverse side for details.

FASWD	
SUBMITTED BY: Representative	Date
<u>[Signature]</u>	<u>02/16/15</u>
APPROVED BY: Sales Manager	Date
_____	_____

BUYER	
BUYER:	Date
<u>[Signature]</u>	<u>02-16-15</u>
BUYER:	Date
<u>[Signature]</u>	<u>02-16-15</u>

Buyer(s) understands that this document does not constitute a valid and binding Contract for any purpose unless and until it is signed and accepted by an authorized representative of FASWD. All amounts due under this agreement shall be paid upon the date specified herein, if so set out, or upon the day the last of the work products are furnished to the Buyer. Past due amounts are subject to a service charge of 18% per annum from the due date. Buyer agrees to pay FASWD all costs of enforcement or collection, including reasonable attorney fees, whether or not a lawsuit is commenced as a part of the collection process. This Contract and the agreement for credit, if any, shall constitute the entire agreement between the parties, which entire agreement and specifications shall not be altered or modified except by written agreement between the parties hereto.

IN THE EVENT THIS CONTRACT IS NOT ACCEPTED BY FASWD, ANY PAYMENT MADE HEREUNDER SHALL BE REFUNDED TO THE BUYER(S) AND THE CONTRACT SHALL BE NULL AND VOID AND OF NO EFFECT. FASWD IS NOT RESPONSIBLE FOR EXISTING STRUCTURAL DEFECTS, DRY ROT OR CODE VIOLATIONS, REPAIRING, PLASTERING, CARPENTRY AND/OR DECORATING ARE NOT INCLUDED UNLESS SPECIFICALLY CHARGED FOR AND SPECIFIED IN WRITING HEREIN.

Contract Change Authorization Form

Buyer's Name: Mr + Mrs Rick Mendoza Phone: _____ CCA #: -1

Jobsite Address: 5293 Cheswick Cir PO#: 32812 10237 RI

City: Orlando ST: FL Zip: _____

Date of Change: 20 7/6/15 Date of Original Contract: 2-16-15

Change Addition

I hereby authorize and assume responsibility for the following changes from the original plans and specifications of my original contract.

Add 3 Picture windows in Breakfast area

Amount of Original Contract <u>16634</u>	Amount of Additional Work <u>1352.00</u>	Amount of Reduction	New Contract Amount <u>\$17986.00</u>
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Above work to be performed under same conditions as specified in original contract unless otherwise stipulated. NOT BINDING ON FAS Windows & Doors WITHOUT MANAGEMENT ACCEPTANCE.

Sales Rep's Signature: _____ Date: 20 7/6/15

Buyer's signature: See Email agreement Date: _____

Sales Manager's Signature: _____ Date: _____

Production Manager's Signature: _____ Date: _____

Note: This revision becomes part of, and in conformance with, the existing contract.

- Searches
- Sales Search
- Results
- Property Record Card**
- My Favorites

Sign up for e-Notify...

5393 Chiswick Cir < 20-23-30-9373-00-570 >

Name(s)	Physical Street Address
Mendoza Richard	5393 Chiswick Cir
Mendoza Tracy Hamilton	Postal City and Zipcode
Mailing Address On File	Orlando, FL 32812
5393 Chiswick Cir	Property Use
Belle Isle, FL 32812-2116	0103 - Single Fam Class III
Incorrect Mailing Address?	Municipality
	Belle Isle



- Values, Exemptions and Taxes**
- Property Features
- Sales Analysis
- Location Info
- Market Stats

Update Information

Property Description

View Plat

WINDSOR PLACE PHASE 1 30/28 LOT 57


Total Land Area 11,114 sqft (+/-) | 0.26 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)	\$80,000.00	\$80,000	\$0.00	\$80,000

Page 1 of 1 (1 total records)

Buildings

Important Information		Structure				
	Model Code:	01 - Single Fam Residence	Actual Year Built:	1997	Gross Area:	3563 sqft
	Type Code:	0103 - Single Fam Class III	Beds:	4	Living Area:	2485 sqft
	Building Value:	\$182,656	Baths:	3.0	Exterior Wall:	Concrete Block Stucco
	Estimated New Cost:	\$207,328	Floors:	1	Interior Wall:	Drywall

Page 1 of 1 (1 total records)

Extra Features

Description	Date Built	Units	XFOB Value
SCR2 - Scrm Enc 2	10/10/1997	1 Unit(s)	\$5,000
PL2 - Above Average Pool	01/01/1997	1 Unit(s)	\$9,800
FPL3 - Good Fireplace	01/01/2000	1 Unit(s)	\$6,000

Page 1 of 1 (3 total records)

This Data Printed on 03/05/2015 and System Data Last Refreshed on 03/04/2015

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 Orange County Property Appraiser • 200 S. Orange Avenue, Suite 1700 • Orlando, FL 32801
 Office Hours: 8:00 a.m. to 5:00 p.m. Monday - Friday • Phone: 407.836.5044
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