



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 TOWN OF WINDERMERE, FLORIDA.

Scope of Work: WINDOWS / DOORS: 4 windows, 2 Mullions & 1 door, size-for-size

Comments: None

Project Information

Address: 2823 Montmart Drive, Belle Isle, FL 32812
Parcel ID: 18-23-30-4391-04-490
Property Owner: Karr, Margaret
Phone Number: 321-230-5980

Company Name: Miracle Windows & Sunrooms Inc.
Contractor Name: Lloyd, Thomas
License Number: CGC1514481
Address: 8933 Western Way #11, Jacksonville, FL 32256
Phone Number: 904-363-8319

Permit Number: 2014-11-007
Date of Application: 11/07/2013
Date Permit Issued: 11/07/2013

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 \$

ZONING FEES

Zoning Fee \$

UNIVERSAL ENG - BUILDING FEES

Demo \$
Building \$
Fence \$
Driveway \$
Shed \$
Window(s) \$73.50
Door(s) \$
PrePower \$
Electrical Fee \$
Temp Pole \$
Plumbing Fee \$
Mechanical Fee \$
Gas Fee \$
Roofing \$
Boat Dock \$
Screen Encl \$
Swimming Pool \$

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)

TOTAL FEES \$77.50

Date Paid 11-7-13

CC or Check # VVA 7329

Amount Paid 77.50

The person accepting this permit shall conform to the terms of the application on file and construction shall conform to the requirements of the Florida Building Code (FS 553).

Inspection requests are to be emailed to BDscheduling@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/ff/fo94edc4-832d-44bd-9809-ecf32f9e2e63>
login ID = cobi@universalengineering.com password = universal13



City of Belle Isle
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 Tel 407-581-8161 • Fax 407-581-0313 • www.universalengineering.com

Received
 11-7-13

Building Permit (Land Use) Application

DATE: _____ PERMIT # 2014-11-007
 PROJECT ADDRESS 2823 Montmart Dr. Belle Isle, FL 32809 32812
 PROPERTY OWNER Margaret Kay (321) 230-5780 VALUE OF WORK (labor & material) \$ 6650

PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

Replacing 4 windows, 2 mull & 1 door size for size

Please provide information, if applicable.

- Survey specific foundation plan required to show compliance with zoning setbacks
- BOAT DOCK: DEP Clearance Required with Application (Call 407-587-4100); 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

Please Complete for the City of Belle Isle Zoning Review: Parcel Id Number: 18-23-30-4391-04-490

To obtain this information, please visit: <https://www.escri.com/Searches/ParcelSearch.asp>

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 Dead 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 SINGLE Res: Single Fam
 OCCUPANCY GROUP Comm #STORIES _____ TOTAL SQ.FT. 3711 MURI Form
 #BLDG. _____ #UNITS _____ #STORIES _____ MAX OCCUPANCY _____
 MAX FLOOR LOAD _____ MIN. FLOOR ELEV. _____ LOW FLOOR ELEV. _____
 WATER SERVICE _____ WELL _____ SEPTIC _____

BUILDING REVIEWER _____ DATE _____
 NOTES 25°
24°
149° + 24.50

PER FSS 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."

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 407-283-8000 to set up 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 _____

ZONING	Y	K	\$
CERT OF OCC	Y	N	\$
TRAFFIC		N	\$
SCHOOL		N	\$
FIRE	Y	N	\$
SWIMMING POOL	Y	N	\$
SCREEN ENCLOSURE	Y	N	\$
ROOFING	Y	N	\$
BOAT DOCK	Y	N	\$
BUILDING	Y	N	\$
WINDOW(S)	<input checked="" type="checkbox"/> Y	N	\$ <u>7350</u>
DOOR(S)	N	N	\$
FENCE	Y	N	\$
SHED	Y	N	\$
DRIVEWAY	Y	N	\$
OTHER	Y	N	\$
3% FL SURCHARGE			\$ <u>4.00</u>
TOTAL			\$ <u>77.50</u>

By Owner Form Y NA
 Notice of Commencement Y NA
 Power of Attorney Y NA
 Contractor Power Included? Y N

OTHER PERMITS REQUIRED:
 ELECTRICAL Y NA
 PREPOWER Y NA
 MECHANICAL Y NA
 PLUMBING Y NA
 ROOFING Y NA
 GAS Y NA



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Building Permit (Land Use) Application
 to be completed as required by State Statute Section 713 and other applicable sections.

Owner's Name Margaret Karl PERMIT # _____
 Owner's Address 2923 MonteMart Dr, Belle Isle, FL 32812
 Contractor Name Thomas Lloyd Lic # CGC1514481
 License # Miracle Windows And Sunrooms Inc
 Contact Phone/Cell 8933 Western Way, #11 Jacksonville FL 32256
 Contact Email Phone: 904-363-8319 ~ Fax 904-363-8320
mws.hollyh@gmail.com

WARNING TO OWNER: Your failure to...
 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. A
 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 Margaret Karl 10/25/10
 The foregoing instrument was acknowledged before me this 10/25/10
 by Margaret Karl who is personally known to me
 and who produced
 as identification and who did not
 Notary as to Owner
 State of Florida
 County of Orange
HOLLY HOLMBERG
 MY COMMISSION #FF025742
 EXPIRES June 10, 2017
 FloridaNotaryService.com
 (407) 398-0153

Contractor Signature
 COMPANY NAME Miracle Windows & Sunrooms
 The foregoing instrument was acknowledged before me this 10/25/10
 by Thomas Lloyd who is personally known to me
 and who produced
 as identification and who did not
 Notary as to Owner
 State of Florida
 County of Orange
HOLLY HOLMBERG
 MY COMMISSION #FF025742
 EXPIRES June 10, 2017
 FloridaNotaryService.com
 (407) 398-0153

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

1. Total Lot Area (sqft) X 0.35 = Allowable Impervious Area (BASE).
 Total Lot Area _____ X 0.35 = _____
 Allowable Impervious Area (BASE) _____

2. 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) _____

3. 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.

4. 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 (FP-40),
 the formula is: (7.5 inches rainfall/12 inches proof) X (result from line 4)
 = cubic feet of storage volume needed

Permit Number: _____
Folio/Parcel Identification Number: 0-23-30-4391-04-490
Prepared by: Holly Holmberg

MIRACLE WINDOWS & SUNROOMS
Return to: 8433 Western Way #11
Jacksonville, FL 32256

Deed Doc Tax: \$0.00
Mortgage Doc Tax: \$0.00
Intangible Tax: \$0.00
Martha O. Haynie, Comptroller
Orange County, FL
Ret To: SIMPLIFILE LC

Orange NOTICE OF COMMENCEMENT

State of Florida, County of Orange

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

1. Description of property (legal description of the property, and street address if available):
2823 Mannerst Dr. Belle Isle, FL 32812 Lake Conway Estates Sub 109 2/91 Lot 499

2. General description of improvement:
Replacing windows, 2 mull + door size for size

3. Owner information or Lease information if the Lessee contracted for the improvement:
Name: Margaret Kari

Address: 2823 Mannerst Dr. Belle Isle, FL 32812

Name and address of fee simple titleholder (if different from Owner listed above):
Name: _____
Address: _____

4. Contractor:
Name: Thomas Lloyd Lic # CGC1514481
Address: Miracle Windows And Sunrooms Inc
8833 Western Way, #11 Jacksonville FL 32256

5. Surety (if applicable):
Name: Phone: 904-263-8319 ~ Fax 904-383-8320
Address: mws.hollyh@gmail.com

6. Lender:
Name: _____
Address: _____
Telephone Number: _____
Amount of Bond \$: _____

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by §713.13(1)(a)7, Florida Statutes:
Name: _____
Address: _____
Telephone Number: _____

8. In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes:
Name: _____
Address: _____
Telephone Number: _____

9. Expiration date of notice of commencement (the expiration date may not be before the completion of construction and final payment to the contractor, but will be 1 year from the date of recording unless a different date is specified):

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

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

Margaret Kari
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager

The foregoing instrument was acknowledged before me this 1 day of Nov. 2013 by Margaret Kari
month/year

as owner for _____
Name of subject, or officer, trustee, attorney in fact

Holly Holmberg
Signature of Notary Public - State of Florida

Personally Known _____ OR Produced ID DC
Type of ID Produced



Revised September 28, 2011



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

Product Approval Form

DATE: 10/25/13 PERMIT # _____
 PROJECT ADDRESS 2823 Montemart Dr., 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 inspectors:

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										
Swinging				Sliding	WALL PANELS					
Sliding	Thermoplast	Opera Patio Door	7915.1	Soffits						
Sectional/Rollup				Storefront						
Other				Glass Block						
				Other	FLOORING PRODUCTS					
WINDOWS										
Single/Dbt Hung	Regency Plus	2000	11413.1	Asphalt Shingles						
Horizontal Slider				Non Struct Metal						
Casement				Roofing Tiles						
Fixed				Single Ply Roof						
Mullion	Alside Window Co	Mullion	6163.1	Other						
Skylights					OTHER					
Other										
STRUCTURAL COMPONENTS										
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 10/25/13



*Non IMPACT
OPERA PATIO*



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

FL # FL7915-R2
Application Type Revision
Code Version 2010
Application Status Approved

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

Comments
 Archived

Product Manufacturer
 Address/Phone/Email

THERMOPLAST
 3035 boul Le Corbusier
 Laval, FL 33012
 (450) 687-5115 Ext 206
 jmarois@thermoplast.com

Authorized Signature

Jean Marois
 jmarois@thermoplast.com

Technical Representative
 Address/Phone/Email

Jean marois
 3035 boul Le Corbusier
 Laval
 (514) 247-7303
 jmarois@thermoplast.com

Quality Assurance Representative
 Address/Phone/Email

Michel Pépin
 3035 LeCorbusier
 Laval, FL 33012
 (450) 687-5115 Ext 229
 mpepin@thermoplast.com

Category
 Subcategory

Exterior Doors
 Sliding Exterior Door Assemblies

Compliance Method

Certification Mark or Listing

Certification Agency
 Validated By

National Accreditation & Management Institute,
 National Accreditation & Management Institute,

Referenced Standard and Year (of Standard)

Standard
 AAMA/NWWDA 101/I.S.2-97

Year
 1997

Equivalence of Product Standards
 Certified By

Product Approval Method

Method 1 Option A

Date Submitted 08/01/2011
 Date Validated 01/15/2012
 Date Pending FBC Approval
 Date Approved 01/16/2012

Summary of Products

FL #	Model, Number or Name	Description
7915.1	8' Opera Patio Door	Vinyl Sliding Glass Door (SGD-LCS0)
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: SGD-LCS0 Nominal size: 8'0" X 6'8" Configuration: OX - XO "Glass complies with ASTM E1300-04"		
Certification Agency Certificate FL7915_R2_C_CAC_N1005194-R4.pdf Quality Assurance Contract Expiration Date 07/31/2015 Installation Instructions FL7915_R2_II_08-000198B.pdf Verified By: National Accreditation & Management Institute, Created by Independent Third Party: Evaluation Reports FL7915_R2_AE_510020 (2).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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Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions regarding BBPK's ADA web accessibility, please contact our Web Master at webmaster@bbpk.state.fl.us

Product Approval Accepts:




NOTICE OF PRODUCT CERTIFICATION



CERTIFICATION NO: NI005194-R4
DATE: 10/14/2003
CERTIFICATION PROGRAM: Structural
COMPANY: Royal Window
CODE: 1087-1
REVISION DATE: 01/13/2012

To verify that the "Notice of Product Certification" is valid, please visit www.NAMICertification.com to assure that the product is active and currently listed. This certification represents product conformity to the applicable specification and that certification criteria has been satisfied. Please review and advise NAMI if any corrections are required to this document.

COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
THERMOPLAST 3035, Le Corbusier Boulevard Laval, Quebec H7L 4C3	Series "Opera Patio Door" Vinyl Sliding Glass Door Configuration: OX Glazing: 1/8" Tempered Glass <u>STP, PSIF</u> Frame: W-80" Panel: W-40" Post-75.0 H-68" H-65" Neg-75.0

SPECIFICATION	PRODUCT RATING
AAMA/NWDA 101/1.S.2-97 AAMA 1303.5-76	SGD-1.C.50 FER-Passed

Product Tested By: Certified Testing Laboratories
Report No: CTLA-1144W
Expiration Date: July 31, 2015

Administrator's Signature: _____

NATIONAL ACCREDITATION AND MANAGEMENT INSTITUTE, INC.

4794 George Washington Memorial Highway
Hayes, VA 23072
Tel: (804) 684-5124
Fax: (804) 684-5122



THERMOPLAST 3035 BOUL. LE CURBOSIER LAYAL (QUEBEC) CANADA H7L4C3	
OPERA PATIO DOOR 96 X 80 ELEVATION AND NOTES	
DWG NO 08-00019	REV B

SHEET NO. TABLE OF CONTENTS	DESCRIPTION
1	NAILING FIN INSTALLATION ELEVATION AND GENERAL NOTES
2	B.O.M. AND FRAME INSTALLATION ELEVATION
3 - 5	INSTALLATION DETAILS

3035 BOUL. LE CURBOSIER LAYAL (QUEBEC) CANADA H7L4C3

OPERA PATIO DOOR 96 X 80 ELEVATION AND NOTES

DWG NO 08-00019 REV B

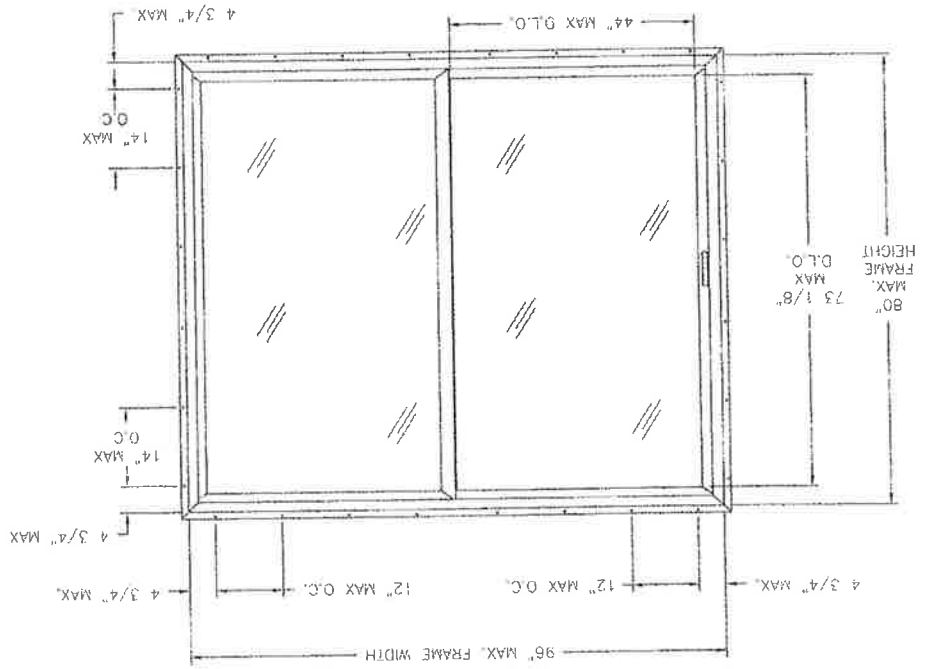
DATE 9/05/08 SCALE NTS

SHEET 1 OF 5

SIGNED: 06/15/2011

DESIGN PRESSURE RATING	±50PSF
IMPACT RATING	NONE

EXTERIOR VIEW
 OPERA PATIO DOOR
 NAILING FIN INSTALLATION




- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
 - 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 - 3) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR CD=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 - 4) FRAME AND SASH MATERIAL: RIGID PVC.
 - 5) UNITS MUST BE GLAZED PER ASTM E1300.
 - 6) APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
 - 7) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM STACK TO WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
 - 8) FOR NAILING FIN ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #8 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATION AND INSTALLATION DETAILS.
 - 9) FOR FRAME ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATION AND INSTALLATION DETAILS.
 - 10) FOR FRAME ANCHORING INTO MASONRY/CONCRETE USE 3/16" TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATION AND INSTALLATION DETAILS.
 - 11) ALL FASTENERS TO BE CORROSION RESISTANT.
 - 12) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - 13) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL, WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 - 14) XC CONFIGURATION SHOWN, OX CONFIGURATION ALSO APPROVED.

REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER 2007 FBC	10/07/08	R.L.
B	ADDED FRAME INSTALLATION	6/14/11	R.L.

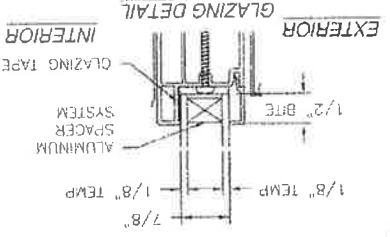
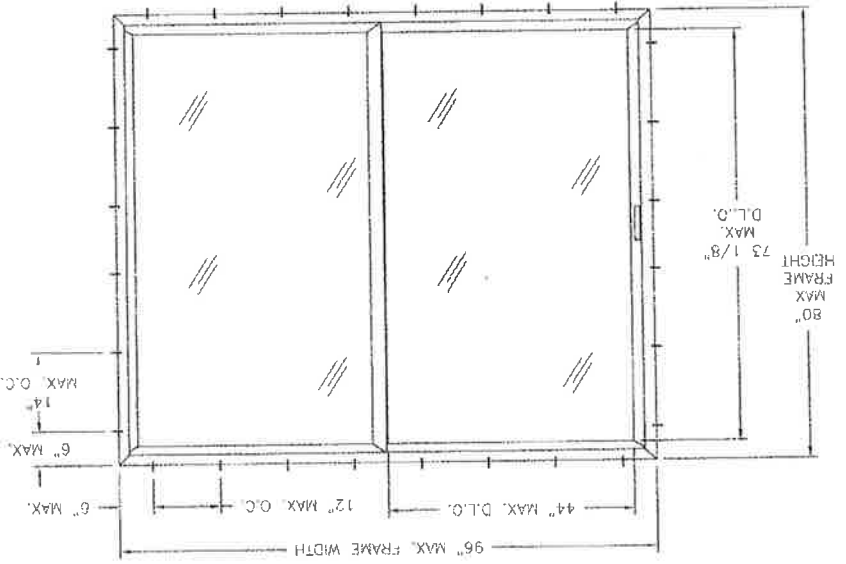
NO.	PART NUMBER	DESCRIPTION
1	7056	FRAME, PVC
2	7076	OPERATING SASH, PVC
3	7080	OPERATING MEETING RAIL SASH, PVC
4	7054	FIXED MEETING RAIL SASH, PVC
5	7057	FIXED SASH, PVC
6	7021	7/8" GLAZING BEAD, PVC
7	7055	SILL ADAPTER, PVC
8	7059	SCREEN ADAPTER
9	7010	SASH STOP, PVC
10	7018	HEAD BLOCK
11	HF-7320-187	WEATHERSTRIP (SCHLITZ)
12	PB-8315-187	WEATHERSTRIP ULTRAFAB
13		WEATHERSTRIP
14		GLAZING TAPE 1/2" x 1/16"
15		ROLLING TRACK
16		THRESHOLD (ALUMINUM)
17		HANDLE REINFORCEMENT (ALUMINUM) 6063-T5
18		MEETING RAIL REINFORCEMENT (14GA STEEL)
19		TANDEM ROLLER
20		SCREEN ROLLER
21		SETTING BLOCK (1"x.25"x2" 80 DUROMETER)
22		SCREEN HANDLE INTERIOR AND EXTERIOR
23		SASH HANDLE INTERIOR AND EXTERIOR
24		SCREEN KEEPER
25		SASH KEEPER SCREWS
26		SCREW PLUG
27	110-2550-10	VALVE (RO-M4)
28		SCREEN KEEPER SCREWS FH #8 X 5/8"
29		SASH KEEPER SCREWS FH #8 X 5/8"
30		FIXED MEETING RAIL SCREWS FH #8 X 1 1/2"
31		FIXED SASH SCREWS FH #8 X 2 1/2"
32		SEALANT DOW 995 (DOW CORNING)

PARTS LIST

	DRAWN: R.L. DWG NO: 08-00019 REV: B	SCALE: NTS DATE: 9/05/06 SHEET: 2 OF 5
THERMOPLAST 3035 BOUL. LE CORBUSIER LAYAL (QUEBEC) CANADA H7L4C3		
OPERA PATIO DOOR 96 X 80 B.O.M. AND FRAME INSTALLATION ELEVATION		

DESIGN PRESSURE RATING	#50PSF
IMPACT RATING	NONE

OPERA PATIO DOOR
FRAME INSTALLATION
EXTERIOR VIEW

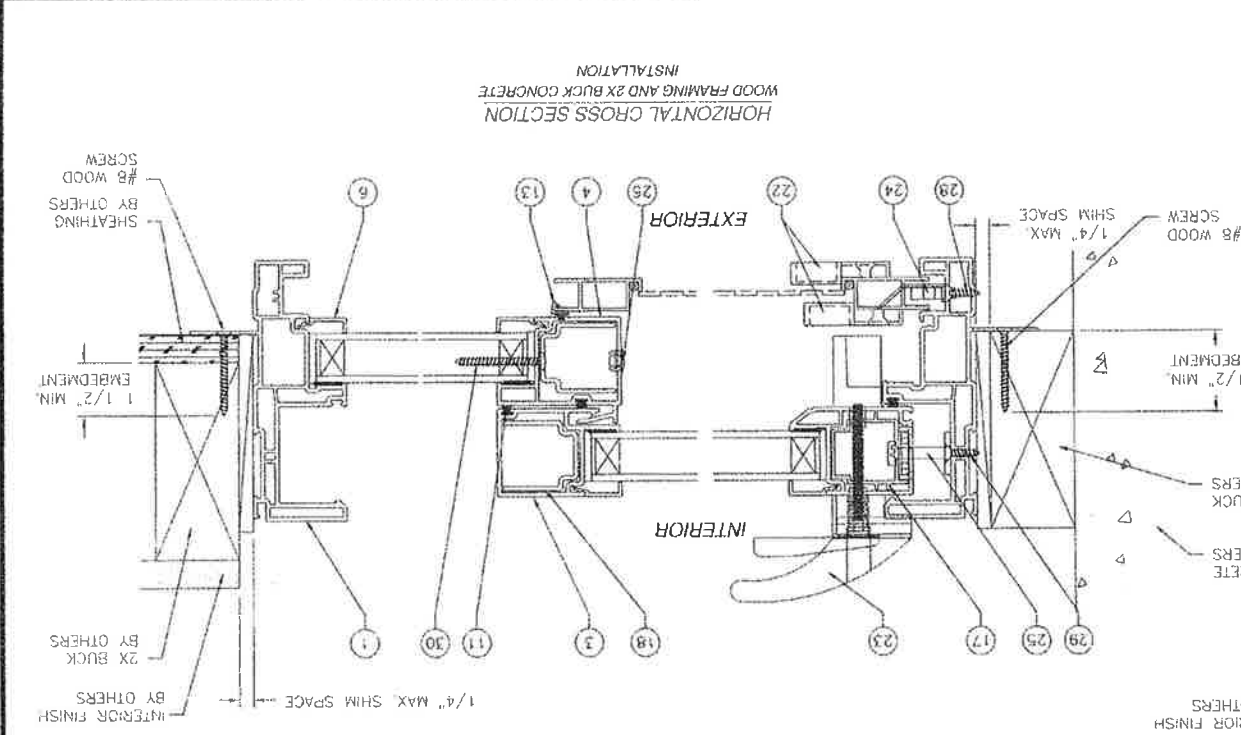


REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER 2007 CBC	10/07/08	R.L.
B	ADDED FRAME INSTALLATION	6/14/11	R.L.

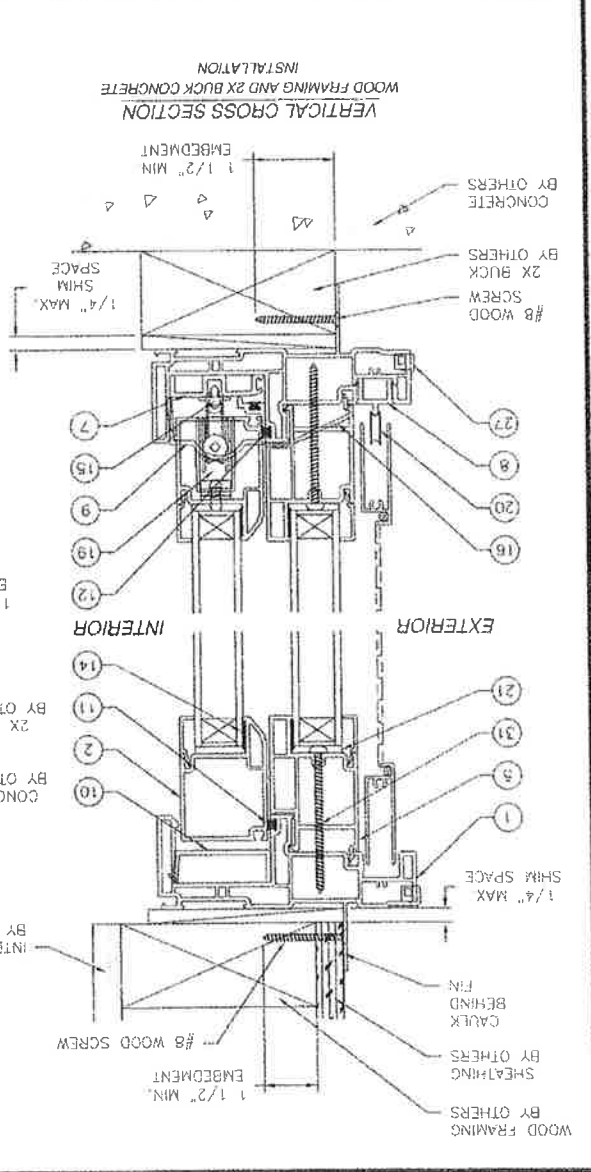
REVISIONS



THERMOPLAST		3035 BOUL. LE CORBUSIER L'AVAL (QUEBEC) CANADA H7L4C3	
OPERA PATIO DOOR 96 X 80		INSTALLATION DETAILS	
REV	DWG NO.	08-00019	R.L.
B	SCALE NTS	DATE	9/05/06
SHEET 3 OF 5			



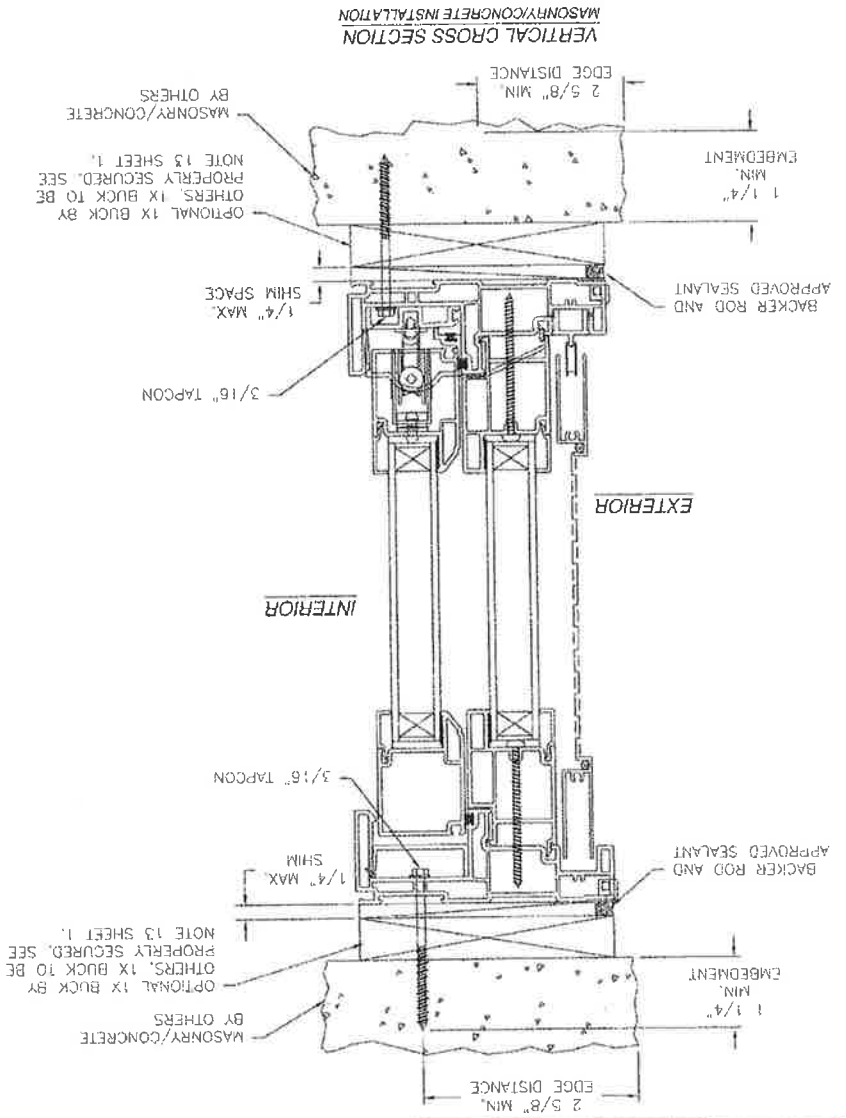
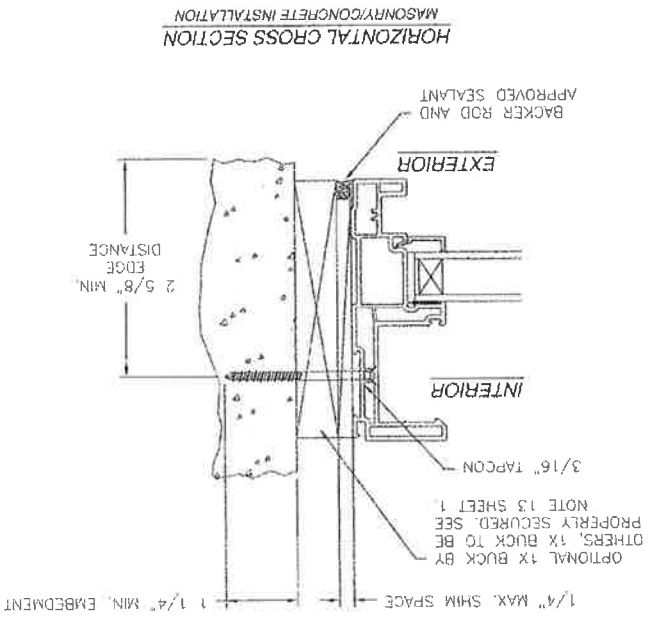
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER 2007 FBC	10/07/08	R.L.
B	ADDED FRAME INSTALLATION	6/14/11	R.L.

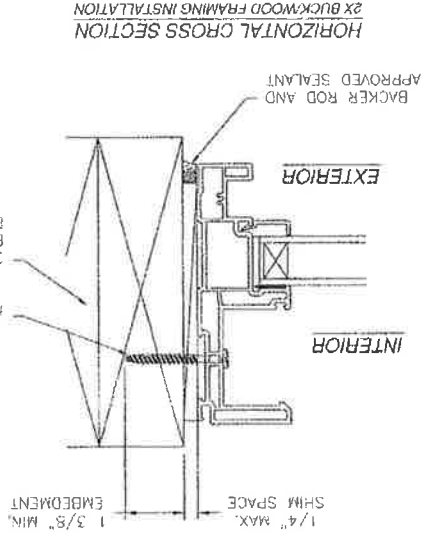
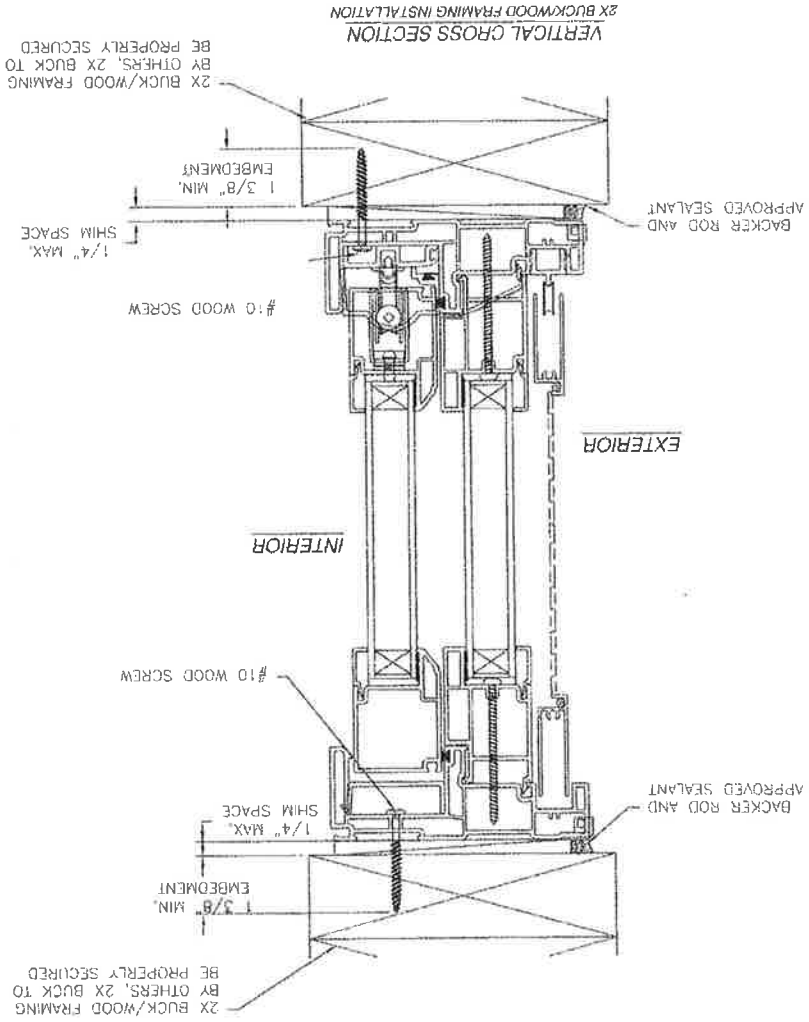




SCALE: NTS	DATE: 9/05/06	SHEET: 4 OF 5
DRWING NO.: 08-00019	REV: A	R.L.
THERMOPLAST OPERA PATIO DOOR 96 X 80 INSTALLATION DETAILS		
3035 BOUL. LE CORBUSIER LAVAL (QUEBEC) CANADA H7L4C3		

REV	DATE	DESCRIPTION	APPROVED
A	10/07/08	R.L.	REVISED PER 2007 FBC
B	6/13/11	R.L.	ADDED FRAME INSTALLATION





DRAWN: R.L.		DATE: 9/05/06	SCALE: NTS
REV: A		DWG NO.: 08-00019	SHEET 5 OF 5
THERMOPLAST			
3035 BOUL. LE CORBUSIER L'AYAL (QUEBEC) CANADA H7L4C3			
OPERA PATIO DOOR 96 X 80			
INSTALLATION DETAILS			



REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER 2007 FBC	10/07/08	R.L.
B	ADDED FRAME INSTALLATION	6/15/11	R.L.

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
336-945-9695
rlomas@rlomaspe.com

Engineering Evaluation Report

Report No.: 510020

Manufacturer: Thermoplast
3035 Boul. Le Curbosier
Laval (Quebec) Canada H7L4C3

Product Line: Opera Patio Door SGD

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Community Affairs for Statewide Acceptance per Rule 9N-3.005 method 1(a). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-00019, Revision B, titled Opera Patio Door SGD, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: CTLA 1144-W signed and sealed by Ramesh Patel P.E.
Certified Testing Laboratories, Orlando, FL
AAMA/NWWDA 101 I.S.2-97
Design pressure: ±50.0psf
Water penetration resistance 7.5psf
3. Anchor calculations, report number 510020, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ±50psf
- Maximum unit size: 96 x 80
- Units must be glazed per ASTM E1300-04.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material to be rigid PVC.

Installation: Units must be installed in accordance with approval document, 08-00019, Revision B.

Certification of Independence: Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).



Luis R. Lomas, P.E.
FL No.: 62514
12/28/2011

Non impact
DH



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

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

FL #
Application Type
Code Version
Application Status

FL11413-RZ
Revision
2010
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

Regency Plus Incorporated
1024 Locust Gap Highway
Mount Carmel, PA 17851
(570) 339-3374
joek@window-pros.info

Authorized Signature

Joe Korzeniecki
joek@window-pros.info

Technical Representative
Address/Phone/Email

Joe Korzeniecki
2000 Locust Gap Hwy.
Mount Carmel, SD 17851
(570) 339-3374
joek@window-pros.info

Quality Assurance Representative
Address/Phone/Email

Joe Korzeniecki
2000 Locust Gap Hwy.
Mount Carmel, PA 17851
(570) 339-3374
joek@window-pros.info

Category
Subcategory

Windows
Double Hung

Compliance Method

Certification Mark or Listing

Certification Agency
Validated By

National Accreditation & Management Institute,
National Accreditation & Management Institute,

Referenced Standard and Year (of Standard)

Standard
AAMA/NWDA101/I.S.2-97
TAS 201
TAS 202
TAS 203

Year
1997
1994
1994
1994

Equivalence of Product Standards
Certified By

Florida Licensed Professional Engineer or Architect
FL11413_RZ_Equv_CofE_1964_Double_Hung.pdf

Product Approval Method

Method 1 Option A

Date Submitted

12/15/2011

Date Validated

04/02/2012

Date Pending FBC Approval

04/10/2012

Date Approved

Summary of Products	
FL #	Model, Number or Name
11413.1	Series 2000 Description Series 2000 Non-Impact Double Hung Window Certification Agency Certificate FL11413 R2 C CAC 2000 DH NAMI certification .pdf Quality Assurance Contract Expiration Date 12/31/2015 Installation Instructions FL11413 R2 II RPLS0049_RevA_2000DH.pdf Verified By: Robert J. Amoroso, P.E. FL License No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11413 R2 AE PER.1964 Double Hung.pdf Created by Independent Third Party: Yes
11413.2	Series 5305 Description Series 5305 Impact Double Hung Window Certification Agency Certificate FL11413 R2 C CAC 5305 DH NAMI certification.pdf Quality Assurance Contract Expiration Date 11/30/2015 Installation Instructions FL11413 R2 II RPLS0050_RevB_5305DH.pdf Verified By: Robert J. Amoroso, P.E. FL License No. 49752 Created by Independent Third Party: Yes Evaluation Reports FL11413 R2 AE PER.1964 Double Hung.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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Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850-487-1395. Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licenses issued under Chapter 455, F.S. must provide the Department with a personal email address if they have one. The email provided may be used for official communication with the licensee. However, email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click here.

Product Approval Accepted



NOTICE OF PRODUCT CERTIFICATION



CERTIFICATION NO: NI006136-R5
DATE: 08/02/05
CERTIFICATION PROGRAM: Structural
COMPANY: Regency Plus
CODE: R-750-1
REVISION DATE: 09/14/2011

The "Notice of Product Certification" is valid only when Administrator's Seal is applied to the upper left hand portion of this form and a certification label is applied to the product. This certification seal represents product conformity to the applicable specification and that all certification criteria has been satisfied.

The product described below is approved for listing in the Directory of Certified Products at www.NAMICertification.com. Please review, and advise NAMI immediately if data, as shown, requires corrections.

COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
Regency Plus, Inc. 1024 Locust Gap Highway Mount Carmel, PA 17961	Model "Tech 2000" Double Hung Vinyl Prime Window Configuration: X/X Glazing: 1/8" Tempered Glass <u>STP PSF</u> Frame: W-4'5" Sash: W-4'1" Pos+60.0 H-6'5" H-3'0" Neg-60.0

SPECIFICATION	PRODUCT RATING
ANSI/AAMA/NWDA 101/I.S.2-97 ASTM F588-97	H-LC40 FER-Level 10 Passed

Product Tested By: National Certified Testing Laboratories
Report No: NCTI-210-2661-1 (Structural/FER)
Expiration Date: December 31, 2015

Administrator's Signature: _____

A handwritten signature in black ink, appearing to be "M.D.", written over a horizontal line.

NATIONAL ACCREDITATION AND MANAGEMENT INSTITUTE, INC.

4794 George Washington Memorial Highway
Hayes, VA 23072
Tel: (804) 684-5124
Fax: (804) 684-5122

REGENCY PLUS, INC.

TECH 2000 NON-IMPACT DOUBLE HUNG WINDOW INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

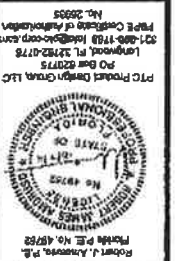
1. THE PRODUCT ANCHORAGE SHOWN HEREIN IS DESIGNED TO COMPLY WITH THE 2010 FLORIDA BUILDING CODE (FBC) REQUIREMENTS AT THE DESIGN PRESSURES STATED HEREIN. NOT INTENDED FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HNZ).
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SHOWN AND SEALED TEST REPORT # NCT-210-2881, AND ASSOCIATED LABORATORY STAMPED DRAWINGS. THE PRODUCT HAS BEEN EVALUATED FOR COMPLIANCE TO THE STANDARDS LISTED IN THE 2010 FLORIDA BUILDING CODE (FBC) AND IS IN COMPLIANCE WITH SAID STANDARDS.
3. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. 1X AND 2X BRICK (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BRICK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
5. SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING ANALYSIS BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.
6. THIS PRODUCT REQUIRES THE USE ON AN FBC APPROVED WIND BORNE DEBRIS REGION (WDR) IMPACT PROTECTIVE SYSTEM.
7. WINDOW FRAME MATERIAL: VINYL.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1996-04a.1. SEE SHEET 3 FOR GLAZING DETAIL.
9. DESIGNATIONS 'X' AND 'O' STAND FOR THE FOLLOWING:
O: FIXED PANEL
X: OPERABLE PANEL

DESIGN PRESSURE RATING (PSF)	+40.0/-40.0
IMPACT RATING	NONE

SHEET	DESCRIPTION
1	GENERAL AND INSTALLATION NOTES
2	ELEVATIONS AND ANCHORING LAYOUTS
3	CONCRETE SECTIONS
4	WOOD SECTIONS AND GLAZING DETAIL

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM SIZE IS 1/4 INCH SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
4. FOR INSTALLATION INTO WOOD FRAMING, USE #12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1 3/8 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 7/8 INCH.
5. FOR INSTALLATION THROUGH 1X BRICK TO CONCRETE OR MASONRY OR DIRECTLY INTO CONCRETE OR MASONRY, USE 3/16 INCH 1/4" ATT TAPCONS:
 a. FOR CONCRETE: OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 1 1/8 INCHES.
 b. FOR MASONRY: OF SUFFICIENT LENGTH TO ACHIEVE 1 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 2 INCHES.
6. ALTERNATE CONCRETE/MASONRY/WOOD INSTALLATION ANCHORS OF EQUIVALENT PERFORMANCE CHARACTERISTICS CAN BE USED UPON APPROVAL OF THE ARCHITECT OR ENGINEER OF RECORD FOR THE PROJECT.
7. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND GROUT.
8. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
9. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO MORTAR JOINTS.
10. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
11. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 11.1. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
 11.2. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
 11.3. MASONRY - STRENGTH PERFORMANCE TO ASTM C-90, MEDIUM WEIGHT.
12. SWAP-ON FLANGE USED FOR GASSETS PURPOSES ONLY. THE SWAP-ON FLANGE IS OPTIONAL. SWAP-ON FLANGE SHOWN ON CONCRETE/MASONRY INSTALLATION AND NOT SHOWN ON WOOD INSTALLATION FOR ILLUSTRATION OF USAGE. IT MAY BE USED FOR OTHER INSTALLATION TYPE.



REGENCY PLUS, INC.
 1024 LOCUST GAP HIGHWAY
 MT. CARROLL, PA 17081

TECH 2000 NON-IMPACT DOUBLE HUNG WINDOW
 GENERAL AND INSTALLATION NOTES

DATE: 09/15/09
 DRAWING NO: 210-2881
 SHEET: 1 OF 4

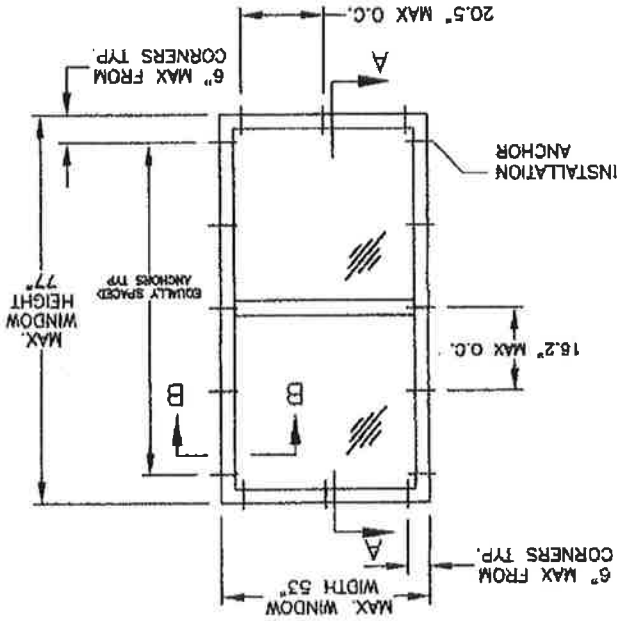
PROJECT #411-1003

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 CHECKED BY: JTB

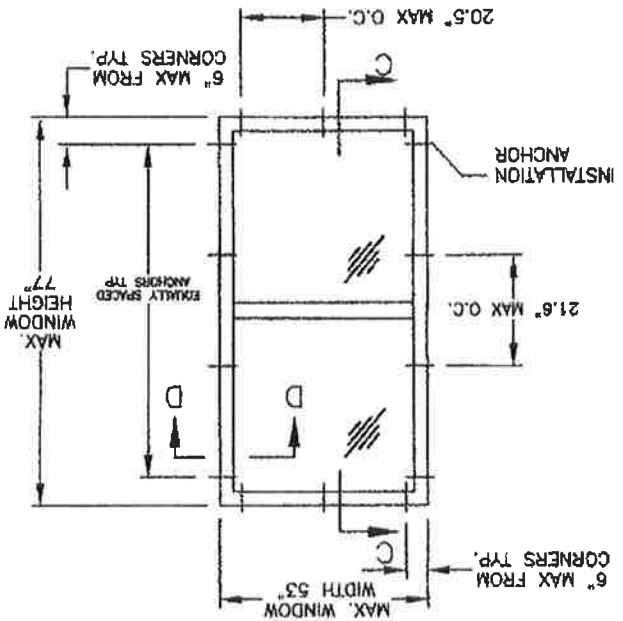
UPDATE TO: 2010 FBC

PTC Product Design Group, LLC
 No. 08-02775
 Langholtz, FL 32728-0775
 321-488-1749 langh@pc-corp.com
 PAPER Certificate of Authorization No. 25555

ELEVATION & ANCHOR LAYOUT
CONCRETE INSTALLATION
VIEWED FROM EXTERIOR



ELEVATION & ANCHOR LAYOUT
WOOD INSTALLATION
VIEWED FROM EXTERIOR



PROJECT 0411-1002	
DATE	1/22/11 TLM
DESCRIPTION	UPGRADE TO 2010 IBC
REV	A
SHEET	2 OF 4
SCALE	AS SHOWN
DATE	09/15/08
COMPILED BY	PC/2009S
DESIGNED BY	OB
SCALE	N.T.S.
REV	A

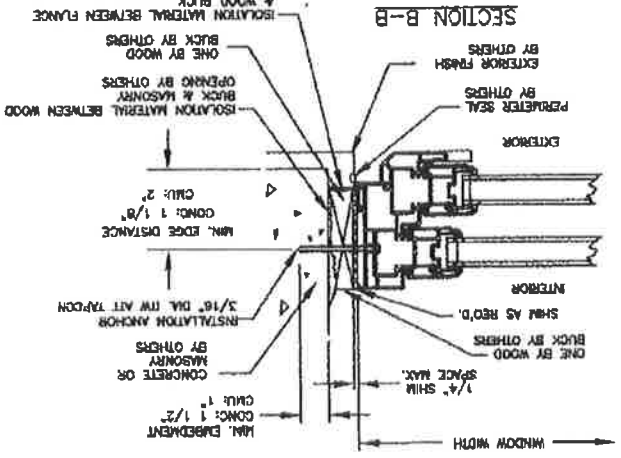
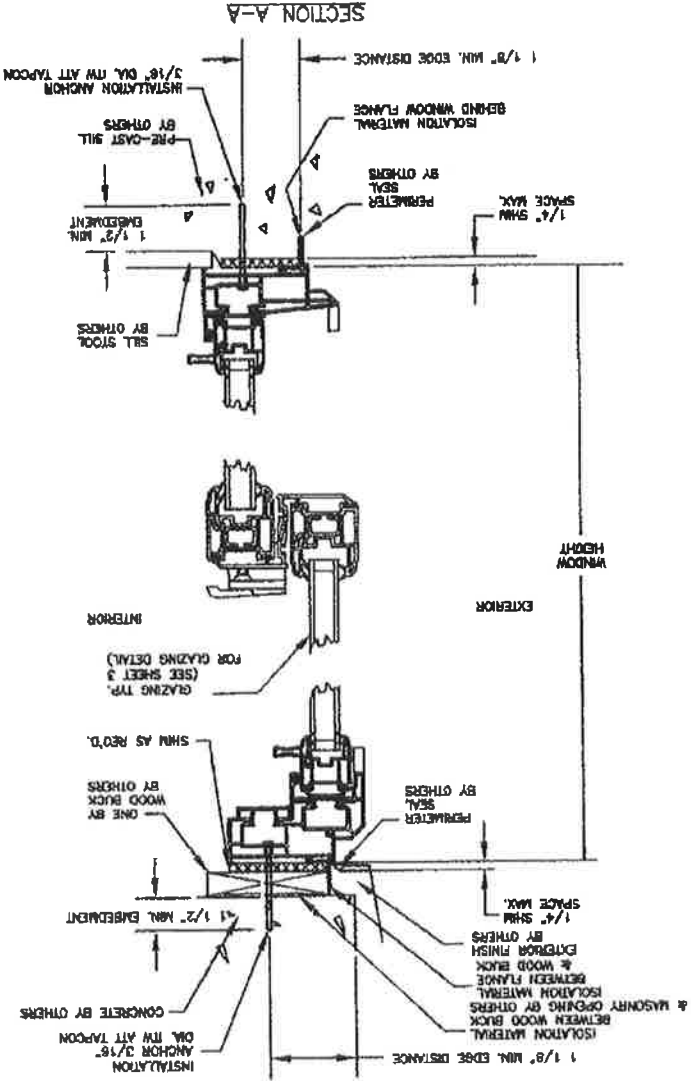
REGENT PLUS, INC.
104 LOCUST GAP HIGHWAY
MT. CARROLL, PA 17851

TECH 2000 NON-IMPACT DOUBLE HUNG WINDOW
ELEVATIONS & ANCHOR LAYOUTS

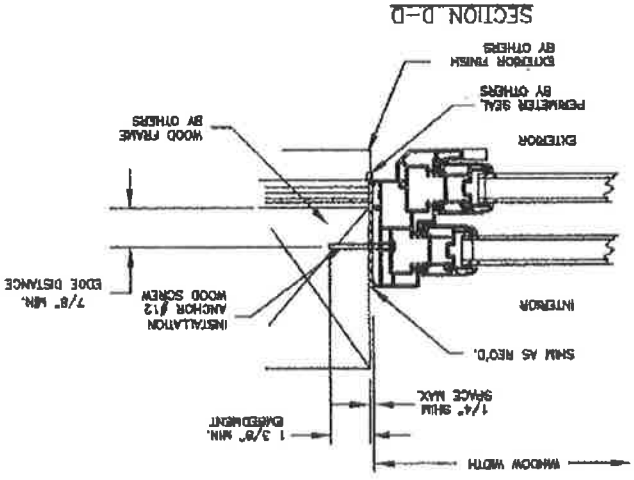
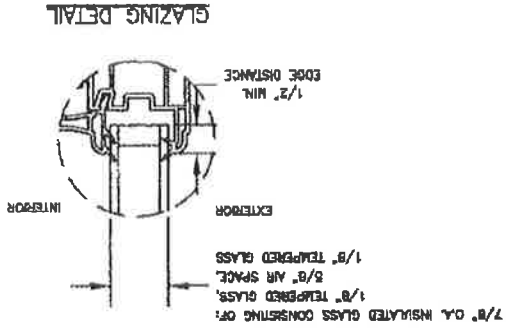
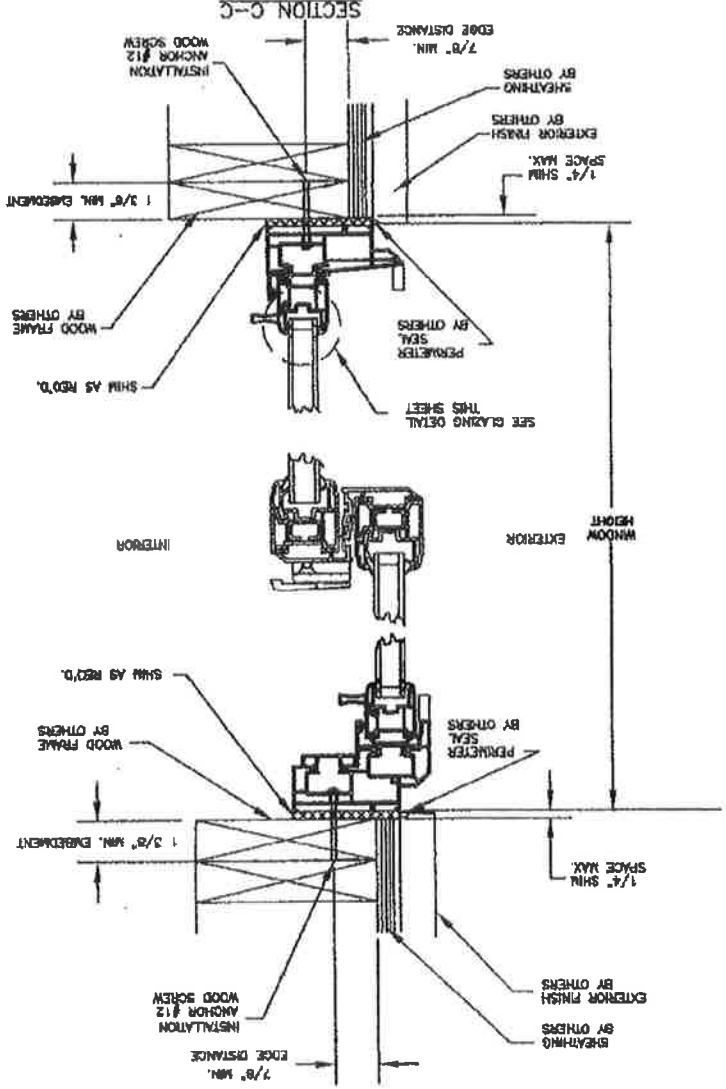
PROJECT: J. ANTONIO, P.E.
FOUNDER, P.E. NO. 43752

REGISTERED PROFESSIONAL ENGINEER
STATE OF PENNSYLVANIA
NO. 43752

PTC Product Design Group, LLC
PO Box 328775
Kingsport, TN 37638-0775
423-990-1798 info@pdc.com
PTC is a Division of Autotech, Inc.
No. 28905



		PFC Product Design Group, LLC 100 SW 22 ND ST LONGWOOD, FL 32753-0773 407-480-1788 info@pfc-usa.com PFC Division of Autostar No. 2900	
REGISTRY SLUB, INC. 1024 LOCUST GAP HIGHWAY MT. CARMEL, PA 17041			
TECH 2003 NON-IMPACT DOUBLE HUNG WINDOW CONCRETE SECTIONS			
PROJECT NO: 441-1002	DATE: 09/15/08	DRAWN BY: RLS/2008	CHECKED BY: RLS/2008
PROJECT: 2010 RLC	DATE: 11/29/11	DRAWN BY: JAS/2010	CHECKED BY: JAS/2010
SHEET: 3 OF 4	SCALE: A	TITLE:	PROJECT:



GLAZING DETAIL

SECTION D-D

SECTION C-C

		PROJECT BA11-1002 REGENCY PLUS, INC. 1024 LOCUST GOLF HIGHWAY MT. CARMEL, PA. 17851 TECH-2000 NON-IMPACT DOUBLE HUNG WINDOW WOOD SECTIONS & GLAZING DETAIL DATE: 03/1/00 DRAWN BY: RJA/BJD CHECKED BY: N.J.S. SCALE: A SHEET: 4 OF 4	
REV	DESCRIPTION	DATE	BY
A	UPDATE TO 2010 FBC	11/28/11	JH

PFO Product Design Group, LLC
 30 Oak Street
 Langhorne, PA 19048-0075
 281-808-1700 info@pfo.com
 PFO is a Member of Autodesk
 No. 8395



Product Evaluation Report

Date: December 7, 2011

Report #: 1964

Report Revision No.: 0

Project #: 411-1002

Product Mfg.: Regency Plus, Inc.
1024 Locust Gap Highway
Mt. Carmel, PA 17851

Product Description: Series 2000 Vinyl Non-Impact Double Hung
Series 5305 Vinyl Impact Double Hung

Product Category: Windows

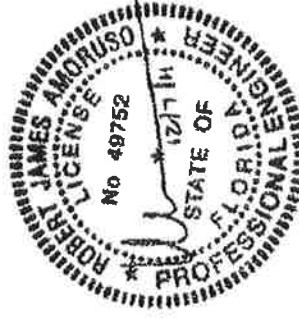
Product Sub-Category: Double Hung

Compliance Method: Product Approval Rule 9N-3.005(1)(a) – Certification Method

Prepared By: Robert J. Amoruso, P.E.
Florida P.E. No. 49752
PTC Product Design Group, LLC, PO Box 520775, Longwood, FL 32752-0775
Florida C of A No. 25935

CERTIFICATED OF INDEPENDENCE

PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire, any financial interest in the company manufacturing or distributing product(s) covered by the aforementioned Product Evaluation Report. PTC Product Design Group, LLC and Robert J. Amoruso, P.E. do not have, nor will acquire any financial interest in any other entity involved in the approval process or testing of the product(s) covered by the aforementioned Product Evaluation Report.



Robert J. Amoruso, P.E.
Florida P.E. License Number 49752



SCOPE

PTC Product Design Group, LLC was contracted by Regency Plus, Inc. to perform (a) substrate anchor engineering, (b) preparation of the manufacturer's Installation Drawings, and (c) preparation of a Product Evaluation Report for their Series 2000 Vinyl Non-Impact Double Hung and Series 5305 Vinyl Impact Double Hung to the 2010 FBC excluding those sections of the code pertaining to the High Velocity Hurricane Zone.

The engineering analysis (Reference 3) determines the anchorage of the product to the supporting substrate and the product evaluation report (this document) summarizes 2010 FBC compliance verification and appropriate Limitations and Conditions of Use.

DESCRIPTION OF PRODUCT – INSTALLATION REQUIREMENTS

See Reference 1 for a description of the product, its installation and other pertinent data related to its approved use.

CODE CONFORMANCE, LIMITATIONS AND CONDITIONS OF USE

1. This product has been evaluated and is in compliance with the 2010 Florida Building Code, excluding the High Velocity Hurricane Zone (HVHZ).
2. Product anchors shall be as designated and located as shown on the installation drawings. Anchor embedment and edge distance exclude wall finishes including, but not limited to sheathing, underlayment and shingles.
3. When installed in locations where impact protection requirements exist, use of an impact protective system complying with the FBC requirements for windborne debris regions is required for the Series 2000 Vinyl Non-Impact Double Hung and not required for the Series 5305 Vinyl Impact Double Hung products herein.
4. The installation details described in the referenced installation drawings are generic and may not reflect actual conditions for a specific site. If site conditions cause installation to deviate from the requirements detailed in the referenced installation drawings, site specific documents shall be prepared for use with this document by a licensed professional engineer or registered architect.
5. See Reference 1 installation instructions for maximum fenestration sizes, design pressure limitations and installation specific details.

QUALITY ASSURANCE

This product is manufactured under a quality assurance program audited by an approved Certification Entity and Quality Assurance Entity **National Accreditation & Management Institute (NAMI)**. See FBC Organization No. CER1773 and QUA1789 respectively for approval under Rule 9N-3.



APPLICATIONS/INSTALLATIONS OUTSIDE THE LIMITATIONS AND CONDITIONS OF USE

Rule 9N-3.005(1)(e) states "Rational engineering analysis cannot be used in lieu of a standard test required by the Code for approval of products within the scope of the standard, except that project specific approval by the local authorities having jurisdiction in accordance with alternate methods and materials authorized in the Code." Any modification to this product as evaluated in this report and approved by the Florida Building Commission is outside the scope of this evaluation and will be the responsibility of others. As allowed in Rule 9N-3.005(1)(e), a project specific approval by the local authorities having jurisdiction may be used given an appropriate rational analysis is conducted and deemed acceptable to the local authorities having jurisdiction.

PERFORMANCE AND TESTING STANDARDS

Reference 2 conducted testing to the following standard(s).

1. AAMA/NWDA 101/I.S-97 *Standard/Specification for Windows, Doors, and Unit Skylights*.
2. TAS 201-94 - *Impact Test Procedures*
3. TAS 202-94 - *Criteria for Testing Impact & Nonimpact Resistant Building Envelope Components Using Uniform Static Air Pressure*
4. TAS 203-94 - *Criteria for Testing Products Subject to Cyclic Wind Pressure Loading*

REFERENCES & SUPPORTING DOCUMENTS

1. Drawings
 - a. Drawing No. RPLS0049, Rev. A, Dated 11/29/11, signed and sealed on 12/7/11 by Robert J. Amoruso, P.E., *Regency Plus, Inc. Series 2000 Vinyl Non-Impact Double Hung Installation Anchorage Details*.
 - b. Drawing No. RPLS0050, Rev. B, Dated 11/29/11, signed and sealed on 12/7/11 by Robert J. Amoruso, P.E., *Regency Plus, Inc. Series 5305 Vinyl Impact Double Hung Installation Anchorage Details*.
2. Test Reports
 - a. National Certified Testing Laboratories, Inc., 8350 Parkline BLVD, Suite 12, Orlando, FL 32809 testing conducted to AAMA/NWDA 101/I.S-97 and listed below in the following test reports:
 - i. NCTL-210-2661-1, Series 2000 Vinyl Non-Impact Double Hung
 - b. National Certified Testing Laboratories (PA), 5 Leigh Drive, York, PA 17406 testing conducted to TAS201-94, TAS202-94 and TAS203-94 and listed below in the following test reports:
 - i. NCTL-110-9867-1, Series 5305 Vinyl Impact Double Hung
3. Calculations
 - a. PTC Report No. 1963, *Regency Plus, Inc. Series 2000 Vinyl Non-Impact Double Hung and Series 5305 Vinyl Impact Double Hung, Anchorage Engineering*, Dated 12/7/11, signed and sealed by Robert J. Amoruso.
4. 2010 Florida Building Code
 - a. R612.6 Testing and Labeling
 - b. R612.10 Anchorage methods
 - c. 1715.5.2 Exterior windows, sliding and patio glass doors
 - d. 1715.5.4 Anchorage methods

MULLBAR



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

FL #
Application Type
Code Version
Application Status
Comments
Archived

FL6362-R5
Revision
2010
Approved

Product Manufacturer
Address/Phone/Email

Alside Window Company
3773 State Road
Cuyahoga Falls, OH 44223
(330) 922-2108
rickw@rwbldgconsultants.com

Authorized Signature

Marsh Fernbaugh
rickw@rwbldgconsultants.com

Technical Representative
Address/Phone/Email

Quality Assurance Representative
Address/Phone/Email

Category
Subcategory

Windows
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
Florida License
Quality Assurance Entity
Quality Assurance Contract Expiration Date
Validated By

Lyndon F. Schmidt, P.E.
PE-43409
Architectural Testing, Inc.
12/31/2014
Ryan J. King, P.E.

Validation Checklist - Hardcopy Received

Certificate of Independence

FL6362_R5_COI_Certificate_of_Independence.pdf

Referenced Standard and Year (of Standard)

Equivalence of Product Standards
Certified By

Sections from the Code

1715.5.5

Product Approval Method Method 2 Option B

Date Submitted 11/21/2011
 Date Validated 11/28/2011
 Date Pending FBC Approval 12/09/2011
 Date Approved 01/31/2012

Summary of Products		FL #	Model, Number or Name	Description
		6362.1	a. 3100 Structural Mullion	Extruded Aluminum Clipped Mullion for use on Masonry or Wood Openings utilizing the Goal Post (at head and sill) Style Mounting Bracket
Limits of Use	Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A			Installation Instructions FL6362_RS_IL_INST_6362.1.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes
Other:	Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.1 and INST 6362.1 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.			Evaluation Reports FL6362_RS_AE_EVAL_6362.1.pdf Created by Independent Third Party: Yes
		6362.2	b. 3100 Structural Mullion	Extruded Aluminum Clipped Mullion for use on Wood Openings utilizing the Goal Post (at Sill) and the Bull Nose (at head) Style Mounting Brackets
Limits of Use	Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A			Installation Instructions FL6362_RS_IL_INST_6362.2.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes
Other:	Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.2 and INST 6362.2 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.			Evaluation Reports FL6362_RS_AE_EVAL_6362.2.pdf Created by Independent Third Party: Yes
		6362.3	c. 3100 Structural Transom Mullion	Extruded Aluminum Clipped Mullion for use on Masonry or Wood Openings utilizing the Goal Post (at head and sill) Style Mounting Bracket
Limits of Use	Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A			Installation Instructions FL6362_RS_IL_INST_6362.3.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes
Other:	Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.3 and INST 6362.3 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.			Evaluation Reports FL6362_RS_AE_EVAL_6362.3.pdf Created by Independent Third Party: Yes
		6362.4	d. 3100 Structural Transom Mullion	Extruded Aluminum Clipped Mullion for use on Wood Openings utilizing the Goal Post (at Sill) and the Bull Nose (at head) Style Mounting Brackets
Limits of Use	Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A			Installation Instructions FL6362_RS_IL_INST_6362.4.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes
Other:	Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.4 and INST 6362.4 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.			Evaluation Reports FL6362_RS_AE_EVAL_6362.4.pdf Created by Independent Third Party: Yes
		6362.5	e. "I" Series Structural Mullion	Extruded Aluminum Clipped Mullion for use on Wood and Masonry Openings utilizing the Goal Post (at head and Sill) Style Mounting Brackets
Limits of Use	Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A			Installation Instructions FL6362_RS_IL_INST_6362.5.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes
Other:	Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.5 and INST 6362.5 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.			Evaluation Reports FL6362_RS_AE_EVAL_6362.5.pdf Created by Independent Third Party: Yes

<p>Other: Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.5 and INST 6362.5 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p>	<p>FL6362_R5_AE_EVAL_6362.5.pdf Created by Independent Third Party: Yes</p>
<p>6362.6 f. "I" Series Structural Transom Mullion</p> <p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.6 and INST 6362.6 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p>	<p>Extruded Aluminum Clipped Mullion for use on Wood and Masonry Openings utilizing the Goal Post Style Mounting Brackets</p> <p>Installation Instructions FL6362_R5_IL_INST_6362.6.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL6362_R5_AE_EVAL_6362.6.pdf Created by Independent Third Party: Yes</p>
<p>6362.7 g. "C-Class" Series Structural Mullion</p> <p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Mullion Design Pressure varies according to mullied window size. Refer to EVAL 6362.7 and INST 6362.7 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p>	<p>Clipped Steel 2.0" and 2.5" Bar Mullion for use on Wood and Masonry Openings</p> <p>Installation Instructions FL6362_R5_IL_INST_6362.7.pdf Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes</p> <p>Evaluation Reports FL6362_R5_AE_EVAL_6362.7.pdf Created by Independent Third Party: Yes</p>

[Back](#)

[Next](#)

Contact Us :: 1940 North Monroe Street, Tallahassee, FL 32399, Phone: 850-487-1824

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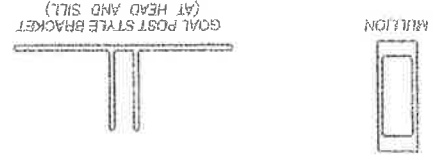
Product Approval Accepts:





6728 STATE ROAD
DUYANOGA FALLS, OH 44223

3100 STRUCTURAL MULLION

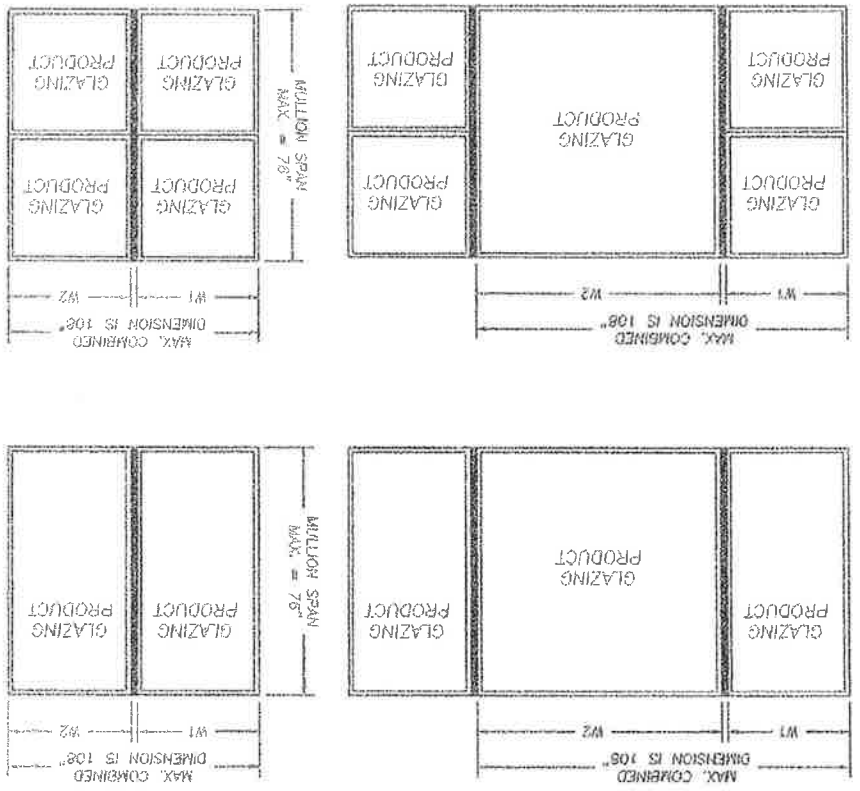


GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE 2007 & 2010 FLORIDA BUILDING CODES (FBC) EXCLUDING THE "HIGH VELOCITY HURRICANE ZONE". WOOD BRACKETS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE AND BE REVIEWED BY THE BUILDING OFFICIAL.
 2. MULLION ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUD.
 3. WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION, THIS PRODUCT DOES NOT REQUIRE PROTECTION WITH AN IMPACT RESISTANT COVERING WHEN USED IN WIND ZONES 1, 2 AND 3 AS DEFINED BY ASTM E 1996; IN WIND ZONE 4 AS DEFINED BY ASTM E 1998, THIS PRODUCT MUST BE PROTECTED WITH AN IMPACT RESISTANT COVERING COMPLYING WITH SECTION 1809.1.2 OF THE FBC.
 5. SEPARATE PRODUCT APPROVALS FOR EACH GLAZING PRODUCT USED WITH THESE MULLIONS MUST BE SUBMITTED ALONG WITH THIS MULLION PRODUCT APPROVAL.
 6. ANCHORING OF EACH GLAZING PRODUCT TO THE MULLION SHALL BE AS SHOWN IN EACH INDIVIDUAL GLAZING PRODUCT APPROVAL.
 7. ANY CONDITIONS NOT COVERED IN THIS EVALUATION ARE SUBJECT TO SEPARATE ENGINEERING EVALUATION.
 8. MULLION DESIGN PRESSURE RATING, SEE LOAD RATING TABLE SHEETS 2 AND 3 OF THIS DRAWING.
 9. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE THE LESSER OF THE LOAD CAPACITY OF THE MULLION AS DETERMINED USING THIS APPROVAL OR THE DESIGN PRESSURE RATING OF THE INDIVIDUAL GLAZING PRODUCTS USED.
 10. ROUNDING BOX DIMENSIONS FOR GEOMETRIC SHAPES MUST BE EQUAL TO OR LESS THAN THE RECTANGULAR DIMENSIONS SHOWN HEREIN.
- SUPPORTING DOCUMENTS & EVIDENCE
 1. THIS PRODUCT HAS BEEN ENGINEERED FOLLOWING ACCEPTED ENGINEERING PRACTICE CONFORMING TO THE REQUIREMENTS OF CHAPTER 17 OF THE FBC.

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	MULLION LOAD TABLE FOR WOOD SCREW ANCHORS
3	MULLION LOAD TABLE FOR CONCRETE SCREW ANCHORS
4	MULLION SECTION AND ANCHORING DETAILS

TYPICAL MULLION CONFIGURATIONS



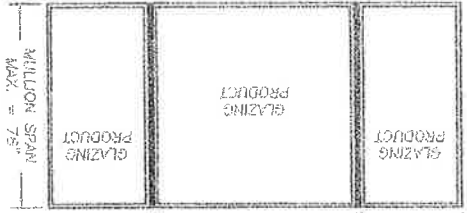
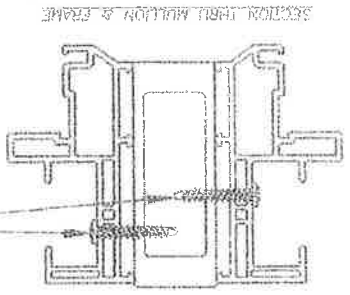
Sheet 1 of 4
 27-6322.1
 Date: 12/11/08
 Scale: NTS
 DWG: DWS

DATE: 12/11/08
 DRAWN BY: DWS
 CHECKED BY: [Signature]
 REVISIONS:

PROJECT: STEEL STRUCTURAL MULLION
 PART OR ASSEMBLY: TYPICAL ELEVATION AND GENERAL NOTES

Document Required By:
 BUILDING CONSULTANTS, INC.
 P.O. Box 220 Venice, FL 33588
 Phone No. 813.569.3197
 Florida State of Professional Engineers
 Certificate # Administration No. 59115
 License No. 7172
 Division, Seminole, P.E. No. 42419

NOTE: A MINIMUM OF 3 THREADS OF THE SELF-DRILLING SCREWS MUST PROTRUDE THROUGH THE WALL OF THE MULLION. THIS SECTION IS SHOWN FOR ILLUSTRATIVE PURPOSES. OTHER FRAME SECTIONS OF FLORIDA APPROVED WINDOWS BY ALSIDE WINDOWS CAN BE USED IN THIS FASHION.



1. SUBSTITUTE #8-18 PANHEAD SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL.
2. SUBSTITUTE #8-18 PANHEAD SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL.
3. IN THE FIRST COLUMN OF THE TABLE, LOCATE THE MULLION SPAN. IN THE FIRST ROW OF THE TABLE, LOCATE THE TRIBUTARY WIDTH. AT THE INTERSECTION OF THE ROW CONTAINING THE MULLION SPAN AND THE COLUMN CONTAINING THE TRIBUTARY WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1 ABOVE.

1. DETERMINE THE DESIGN LOAD REQUIREMENT FOR THE PARTICULAR OPENING AS SPECIFIED BY THE BUILDING DESIGNER (ARCHITECT OR ENGINEER OR RECORD).
2. FOR THE PARTICULAR OPENING, DETERMINE THE TRIBUTARY WIDTH AND MULLION SPAN. REFERENCE THE SKETCHES ON THIS SHEET FOR MULLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN OF THE TABLE, LOCATE THE MULLION SPAN. IN THE FIRST ROW OF THE TABLE, LOCATE THE TRIBUTARY WIDTH. AT THE INTERSECTION OF THE ROW CONTAINING THE MULLION SPAN AND THE COLUMN CONTAINING THE TRIBUTARY WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1 ABOVE.

INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE.

MULLION SPAN (MAX.)	TRIBUTARY WIDTH	42"	44"	46"	48"	50"	52"	54"	56"	58"	60"	62"	64"	66"	68"	70"	72"	74"	76"	WOOD ANCHORS
24"	42"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	42"
24"	44"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	44"
24"	46"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	46"
24"	48"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	48"
24"	50"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	50"
24"	52"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	52"
24"	54"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	54"
24"	56"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	56"
24"	58"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	58"
24"	60"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	60"
24"	62"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	62"
24"	64"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	64"
24"	66"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	66"
24"	68"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	68"
24"	70"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	70"
24"	72"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	72"
24"	74"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	74"
24"	76"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	76"

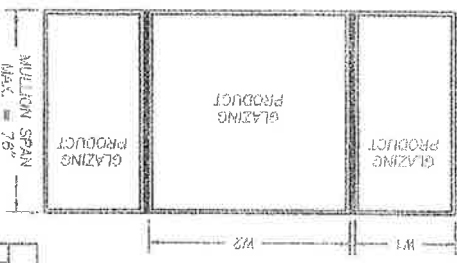
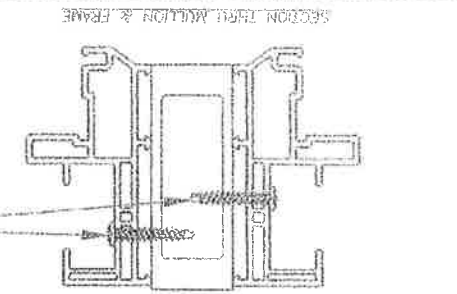
3700 STRUCTURAL MULLION
PART OF ASSEMBLY
MULLION LOAD TABLE FOR
WOOD SCREW ANCHORS

Prepared by:
ADKINS CONSULTANTS, INC.
200 S. Box 230, Orlando, FL 32806
Phone No. 407-455-9197
FAX No. 407-455-9197
Professional Engineer
Catherine G. Anderson, P.E., No. 5242

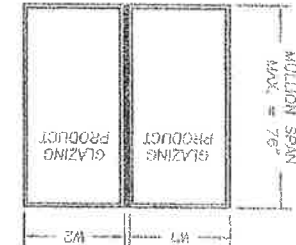
DATE: 12/1/98	SCALE: NTS	DWG. NO: FLS	OWNER NO: FLS
REV. 1: 12/17/98	NO DATE	NO DATE	NO DATE
REV. 2: 11/28/98	ATTENDANT TO 2010 REG		
REV. 3: 12/7/98	UPDATES TO 2010 REG		
REV. 4: 12/7/98	REVISED TO 2010 REG		
REV. 5: 12/7/98	REVISED TO 2010 REG		

3700 STRUCTURAL MULLION LOAD TABLE (PSF)

FLORIDA REGISTERED PROFESSIONAL ENGINEER 1901 S. Orange Blossom Street, Ocala, Florida 34670-2100 P.E. No. 67823, Exp. 1/2



$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$



NOTE: A MINIMUM OF 3 THREADS OF THE SELF-DRILLING SCREWS MUST PROTRUDE THROUGH THE WALL OF THE MULLION. THIS SECTION VIEW IS SHOWN FOR ILLUSTRATIVE PURPOSES; OTHER FRAME SECTIONS OF FLORIDA APPROVED WINDOWS BY ALIASE WINDOWS CAN BE USED IN THIS FASHION.

2. SUBSTITUTE #8-18 PANHEAD SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL. MAXIMUM FASTENER SPACING ALLOWED IS 8" FROM EACH END AND AT 18" O.C. MAX. SPACING.

1. SUBSTITUTE (1) FOR (1) 1/4"-16 SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL.

FOR ANCHORING GLAZING PRODUCTS TO THE MULLION, ANCHOR SIZE AND SPACING SHALL BE AS SPECIFIED IN ONE OF THE FOLLOWING:

1. DETERMINE THE DESIGN LOAD REQUIREMENT FOR THE PARTICULAR OPENING AS SPECIFIED BY THE BUILDING DESIGNER (ARCHITECT OR ENGINEER OR RECORD).
2. FOR THE PARTICULAR OPENING, DETERMINE THE TRIBUTARY WIDTH AND MULLION SPAN. REFER TO THE SHEETS ON THIS SHEET FOR MULLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN OF THE TABLE, LOCATE THE MULLION SPAN. IN THE FIRST ROW OF THE TABLE, LOCATE THE TRIBUTARY WIDTH. AT THE INTERSECTION OF THE ROW CONTAINING THE MULLION SPAN AND THE COLUMN CONTAINING THE TRIBUTARY WIDTH, READ THE MULLION LOAD RATING GIVEN IN PSF. THE MULLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1 ABOVE.

INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE:

MULLION SPAN MAX. = 76"	MULLION SPAN										MULLION SPAN MAX. = 76"
	28"	30"	32"	34"	36"	38"	40"	42"	44"	46"	
28"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
32"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
34"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
38"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
40"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
44"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
46"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
50"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
52"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
56"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
58"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
60"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
62"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
64"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
66"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
68"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
70"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
72"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
74"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
76"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
78"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
80"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
82"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
84"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
86"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
88"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
90"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
92"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
94"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
96"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
98"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
100"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00

3100 STRUCTURAL MULLION LOAD TABLE (PSF)

REVISIONS

NO.	DATE	BY	DESCRIPTION
1	11/08/11	UPDATE TO 2010 FBC	
2	12/11/09	UPDATE TO 2007 FBC	

DATE: 12/11/08

CONTR: HTS

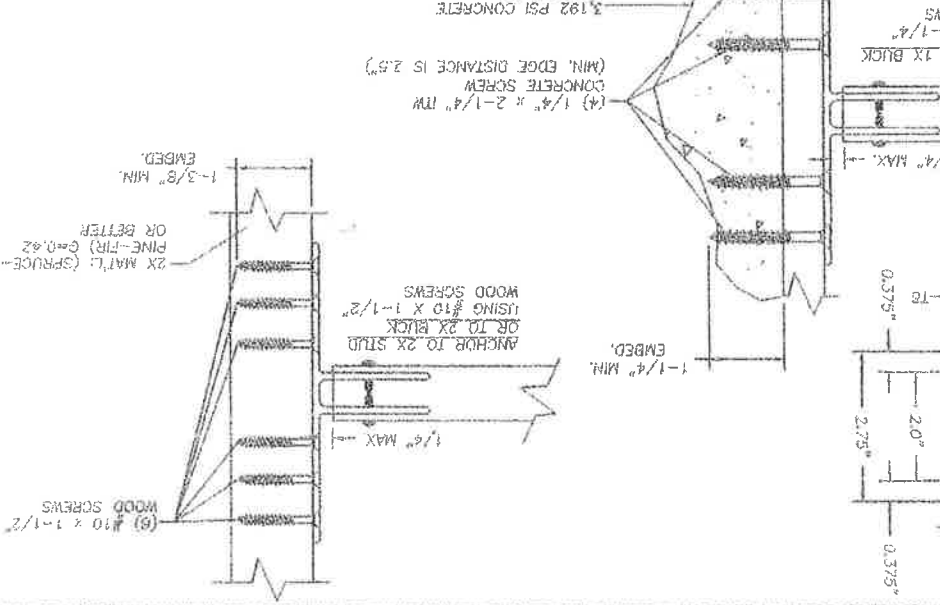
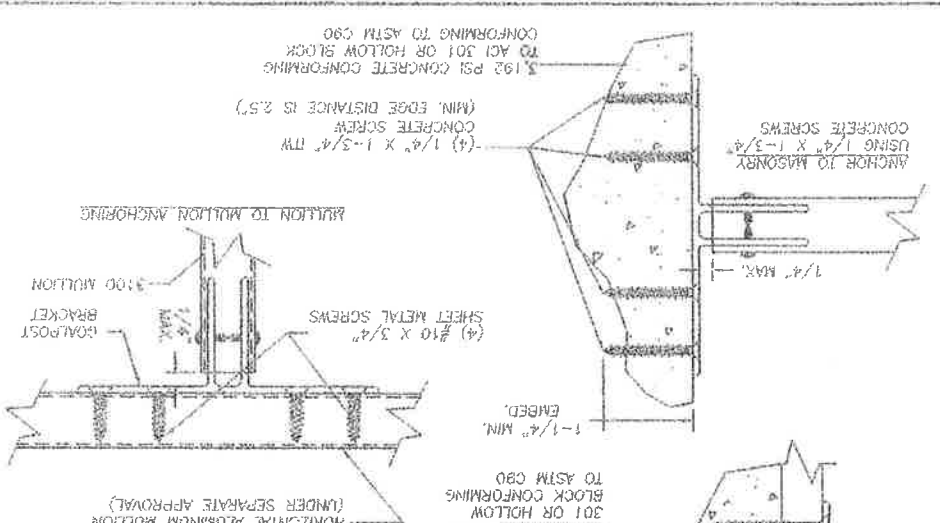
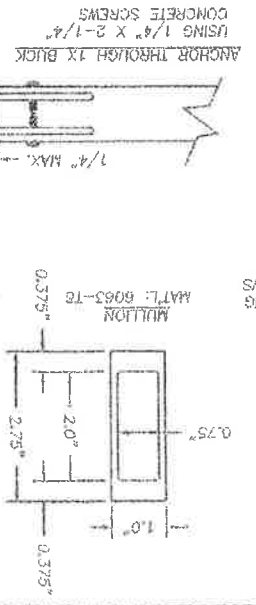
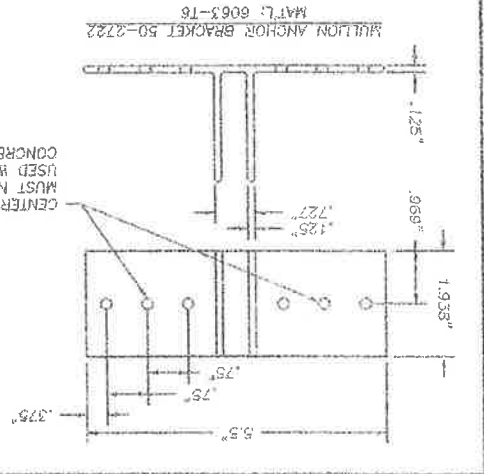
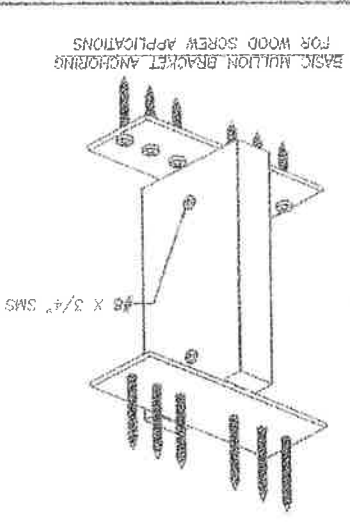
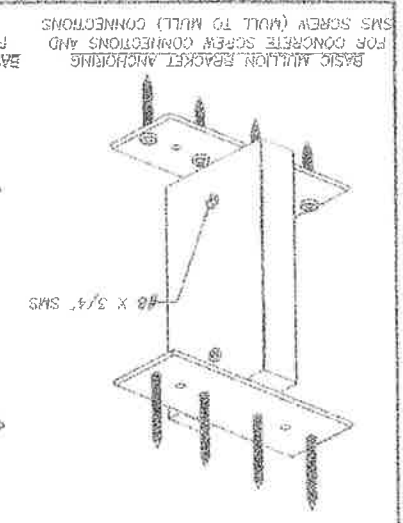
DWG. NO: DWS

FL-6362.1

3100 STRUCTURAL MULLION

PART OR ASSEMBLY: MULLION LOAD TABLE FOR CONCRETE SCREEN WINDOWS

Drawings Prepared By: *[Signature]* BALDWIN CONSULTANTS, INC.
 P.O. Box 250 Vero Beach, FL 32980
 Phone No.: 888.999.9187
 Florida Record as Professional Sealholder
 Certificate of Authorization No. 8815
 Conduct: F. 3000000 P.E. No. 42000



PROJECT NO.	PL-6362.1	DATE	12/11/08
DESIGNED BY	DWS	CHECKED BY	NTS
DATE	12/11/08	NO.	1
DATE	12/11/08	NO.	2
DATE	12/11/08	NO.	3
DATE	12/11/08	NO.	4
DATE	12/11/08	NO.	5
DATE	12/11/08	NO.	6
DATE	12/11/08	NO.	7
DATE	12/11/08	NO.	8
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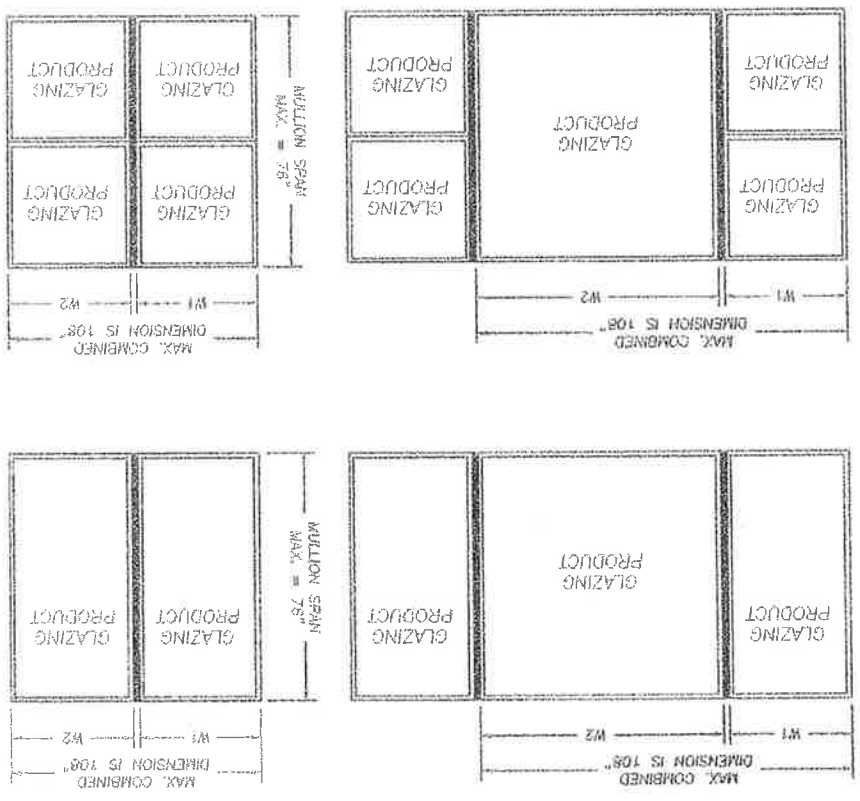
PRODUCT: 3100 STRUCTURAL MULLION
 PART OR ASSEMBLY: MULLION SECTION & ANCHORING DETAILS

Documents Prepared By: BUILDING CONSULTANTS, INC.
 P.O. Box 230 Venice, FL 33569
 Phone No. 813.689.9197
 Florida Board of Professional Engineers
 Certificate of Registration No. 9213
 12/17/07
 London F. Schmitt, P.E. No. 63499

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE 2007 & 2010 FLORIDA BUILDING CODES (FBC) EXCLUDING THE "HIGH VELOCITY HURRICANE ZONE". WOOD BRACKETS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE AND BE REVIEWED BY THE BUILDING OFFICIAL.
2. MULLION ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL CROSSING OR STUCCO.
3. WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION, THIS PRODUCT DOES NOT REQUIRE PROTECTION WITH AN IMPACT RESISTANT COVERING WHEN USED IN WIND ZONES 1, 2 AND 3 AS DEFINED BY ASTM E 1996; IN WIND ZONE 4 AS DEFINED BY ASTM E 1996, THIS PRODUCT MUST BE PROTECTED WITH AN IMPACT RESISTANT COVERING COMPLYING WITH SECTION 1609.1.2 OF THE FBC.
4. SEPARATE PRODUCT APPROVALS FOR EACH GLAZING PRODUCT USED WITH THESE MULLIONS MUST BE SUBMITTED ALONG WITH THIS MULLION PRODUCT APPROVAL.
5. ANCHORING OF EACH GLAZING PRODUCT TO THE MULLION SHALL BE AS SHOWN IN EACH INDIVIDUAL GLAZING PRODUCT APPROVAL.
6. ANY CONDITIONS NOT COVERED IN THIS EVALUATION ARE SUBJECT TO SEPARATE ENGINEERING EVALUATION.
7. MULLION DESIGN PRESSURE RATING, SEE LOAD RATING TABLE SHEETS 2 AND 3 OF THIS DRAWING.
8. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE THE LESSER OF THE LOAD CAPACITY OF THE MULLION AS DETERMINED USING THIS APPROVAL OR THE DESIGN PRESSURE RATING OF THE INDIVIDUAL GLAZING PRODUCTS USED.
9. BOUNDING BOX DIMENSIONS FOR GEOMETRIC SHAPES MUST BE EQUAL TO OR LESS THAN THE RECTANGULAR DIMENSIONS SHOWN HEREIN.
10. SUPPORTING DOCUMENTS & EVIDENCE
 1. THIS PRODUCT HAS BEEN ENGINEERED FOLLOWING ACCEPTED ENGINEERING PRACTICE CORRELATING TO THE REQUIREMENTS OF CHAPTER 17 OF THE FBC.

SHEET #	DESCRIPTION
1	SPECIAL ELEVATIONS & GENERAL NOTES
2	MULLION LOAD TABLE FOR WOOD SCREW ANCHORS
3	MULLION LOAD TABLE FOR CONCRETE SCREW ANCHORS
4	MULLION SECTION AND ANCHORING DETAILS



TYPICAL MULLION CONFIGURATIONS

3100 STRUCTURAL MULLION
 PART OR ASSEMBLY
 TYPICAL ELEVATION AND
 GENERAL NOTES
 DATE: 12/11/08
 BY: [Signature]
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 PROJECT: 3100 STRUCTURAL MULLION
 DRAWING NO.: 12/11/08
 SCALE: NTS
 DATE: 12/11/08
 PROJECT: 3100 STRUCTURAL MULLION
 DRAWING NO.: 12/11/08
 SCALE: NTS
 DATE: 12/11/08
 PROJECT: 3100 STRUCTURAL MULLION
 DRAWING NO.: 12/11/08
 SCALE: NTS
 DATE: 12/11/08

WOOD SCREEN ANCHORS	3100 STRUCTURAL MILLION LOAD TABLE (PSF)	TRIBUTARY WIDTH
24"	120.00	54"
25"	120.00	55"
26"	120.00	56"
27"	120.00	57"
28"	120.00	58"
29"	120.00	59"
30"	120.00	60"
31"	120.00	61"
32"	120.00	62"
33"	120.00	63"
34"	120.00	64"
35"	120.00	65"
36"	120.00	66"
37"	120.00	67"
38"	120.00	68"
39"	120.00	69"
40"	120.00	70"
41"	120.00	71"
42"	120.00	72"
43"	120.00	73"
44"	120.00	74"
45"	120.00	75"
46"	120.00	76"
47"	120.00	77"
48"	120.00	78"
49"	120.00	79"
50"	120.00	80"
51"	120.00	81"
52"	120.00	82"
53"	120.00	83"
54"	120.00	84"
55"	120.00	85"
56"	120.00	86"
57"	120.00	87"
58"	120.00	88"
59"	120.00	89"
60"	120.00	90"
61"	120.00	91"
62"	120.00	92"
63"	120.00	93"
64"	120.00	94"
65"	120.00	95"
66"	120.00	96"
67"	120.00	97"
68"	120.00	98"
69"	120.00	99"
70"	120.00	100"

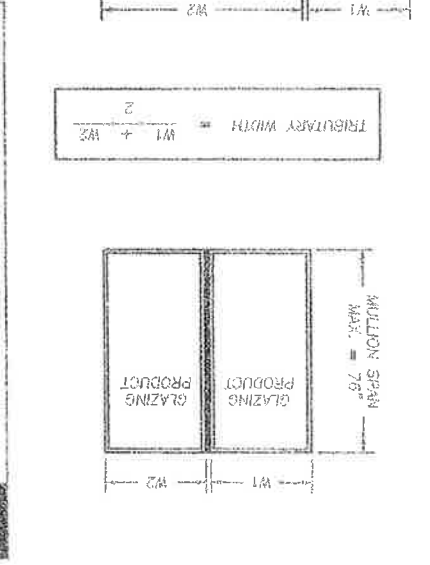
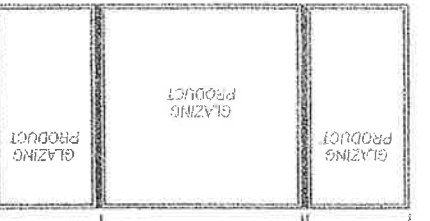
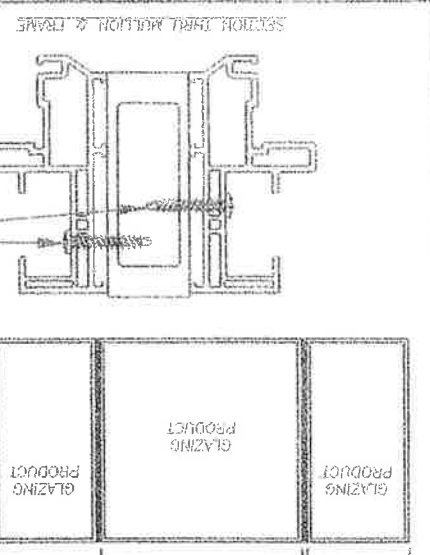
INSTRUCTIONS FOR USE OF THE MILLION LOAD TABLE:

1. DETERMINE THE DESIGN LOAD REQUIREMENT FOR THE PARTICULAR OPENING AS SPECIFIED BY THE BUILDING DESIGNER (ARCHITECT OR ENGINEER OR RECORD).
2. FOR THE PARTICULAR OPENING, DETERMINE THE TRIBUTARY WIDTH AND MILLION SPAN. REFER TO THE SKETCHES ON THIS SHEET FOR MILLION SPAN AND TRIBUTARY WIDTH DETERMINATION.
3. IN THE FIRST COLUMN OF THE TABLE, LOCATE THE MILLION SPAN. IN THE FIRST ROW OF THE TABLE, LOCATE THE TRIBUTARY WIDTH. AT THE INTERSECTION OF THE ROW CONTAINING THE MILLION SPAN AND THE COLUMN CONTAINING THE TRIBUTARY WIDTH, READ THE MILLION LOAD RATING GIVEN IN PSF. THE MILLION LOAD RATING MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD REQUIREMENT DETERMINED IN STEP 1 ABOVE.

FOR ANCHORING GLAZING PRODUCTS TO THE MILLION, ANCHOR SIZE AND SPACING SHALL BE AS SPECIFIED IN ONE OF THE FOLLOWING:

1. SUBSTITUTE (1) FOR (1) 1/4"-14 SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL.
2. SUBSTITUTE #8-18 HANKHEAD SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL. MAXIMUM FASTENER SPACING IS 6" FROM EACH END AND AT 15" O.C. MAX. SPACING.

NOTE: A MINIMUM OF 3 THREADS OF THE SELF-DRILLING SCREWS MUST PROVIDE THROUGH THE WALL OF THE MILLION. THIS SECTION VIEW IS SHOWN FOR ILLUSTRATIVE PURPOSES; OTHER FRAME SECTIONS OF FLORIDA APPROVED WINDOWS BY ALIKE WINDOWS CAN BE USED IN THIS FASHION.



$$\text{TRIBUTARY WIDTH} = \frac{W1 + W2}{2}$$

Document prepared by:
B.T.M. BUILDING CONSULTANTS, INC.
 P.O. Box 250, Yalaha, FL 32355
 Division Head of Professional Engineering
 Certificate of Authorization No. 9813
 Yalaha, FL 32355
 Telephone: 352-329-9177
 Fax: 352-329-9178
 License No. 117741

3100 STRUCTURAL MILLION
 PART OF ASSEMBLY
 MILLION LOAD TABLE FOR
 WOOD SCREEN ANCHORS

REVISIONS

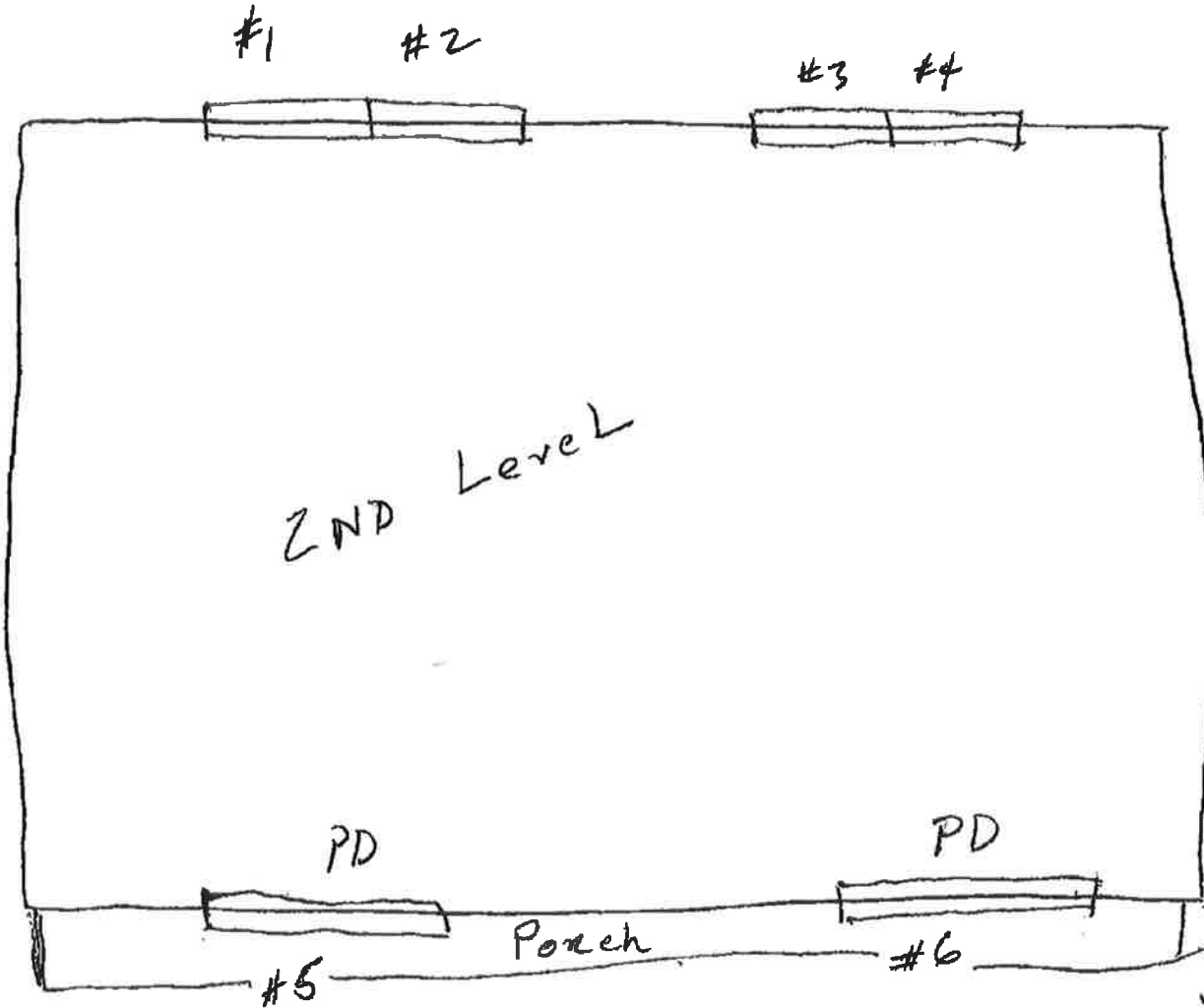
NO.	DATE	BY	REVISION
1	11/05/11	OWS	ISSUE TO 2010 EBC
2	12/11/11	OWS	UPDATE TO 2011 EBC
3	12/11/11	OWS	UPDATE TO 2012 EBC

SCALE: NTS
 DATE: 12/11/11

DESIGNED BY: LJS
 CHECKED BY: DMS
 DRAWN BY: LJS

SHEET 2 OF 4
 PROJECT NO. 11-03621

BACK



Front

X *[Signature]*



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
11/6/2013

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

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

PRODUCER Higginne Insurance The Landmark Building 115 South Centre Street Pottsville PA 17901		CONTACT NAME: Peggy Smith PHONE (A/C No. Ext): (570) 621-7752 FAX (A/C. No.): (570) 622-6327 E-MAIL: margaret.smith@nationalpenn.com ADDRESS: INSURER(S) AFFORDING COVERAGE	
INSURED Miracle Windows and Sun Rooms Inc 8933 Western Way Ste 11 Jacksonville FL 32256		INSURER A: Westfield Insurance Company MAIC # 24112 INSURER B: Commerce and Industry Ins Co 15172 INSURER C: INSURER D: INSURER E: INSURER F:	

COVERAGES CERTIFICATE NUMBER: Master 13-14 REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDR. SUBR INSR. LWD	POLICY NUMBER	POLICY EFF. DATE (MM/DD/YYYY)	POLICY EXP. DATE (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR		CWP4867072	8/1/2013	8/1/2014	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000
A	ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		CWP4867072	8/1/2013	8/1/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
A	UMBRELLA LIAB EXCESS LIAB		CWP4867072	8/1/2013	8/1/2014	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist combined \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/COMMISSIONER EXCLUDED (if necessary in title)		WC003-60-3508	8/1/2013	8/1/2014	WCS/STATUS/OTHER LIMITS E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

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

CERTIFICATE HOLDER

(407) 581-0313

City of Belle Isle Florida
Universal Engineering Services
3532 Maggie Blvd
Orlando, FL 32811

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

Margaret Smith/MSMS

ACORD 25 (2010/05)

INS025 (2/11/05) 04

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STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

**CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783**

(850) 487-1395

**LLOYD, THOMAS EDMUND
MIRACLE WINDOWS AND SUNROOMS, INC.
12782 ATTRILL RD
JACKSONVILLE FL 32258**



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND
PROFESSIONAL REGULATION**

AC# 6287234

CGC1514481 08/21/12 128045608

**CERTIFIED GENERAL CONTRACTOR
LLOYD, THOMAS EDMUND
MIRACLE WINDOWS AND SUNROOMS, IN**

**IS CERTIFIED under the provisions of Ch. 489 FS
Expiration date: AUG 31, 2014 L12082102060**

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

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

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

DETACH HERE

THIS DOCUMENT HAS A COLORED BACKGROUND - MICROPRINTING • LINE-MARK™ PATENTED PAPER

AC# 6287234

STATE OF FLORIDA

**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD**

SEQ# L12082102060

DATE	BATCH NUMBER	LICENSE NBR
08/21/2012	128045608	CGC1514481

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2014

**LLOYD, THOMAS EDMUND
MIRACLE WINDOWS AND SUNROOMS, INC.
12782 ATTRILL RD
JACKSONVILLE FL 32258**

**RICK SCOTT
GOVERNOR**

**KEN LAWSON
SECRETARY**

DISPLAY AS REQUIRED BY LAW



2013-2014 BUSINESS TAX RECEIPT

MICHAEL CORRIGAN, DUVAL COUNTY TAX COLLECTOR

231 E. FORSYTH STREET, SUITE130, JACKSONVILLE, FL 32202-3370
Phone: (904) 630-1916, option 3; Fax: (904) 630-1432
Website: www.coj.net/tc; Email: taxcollector@coj.net

Note - A penalty is imposed for failure to keep this receipt exhibited conspicuously at your place of business.
This renewal application is furnished pursuant to Municipal Ordinance Code Chapters 770-772, for the period
October 1, 2013 through September 30, 2014.

MIRACLE WINDOWS AND SUNROOMS INC
GARY FANELLI
8933 WESTERN WY
STE 11
JACKSONVILLE, FL 32256

ACCOUNT NUMBER: 999994965

LOCATION ADDRESS: 8933 WESTERN WY STE 11
JACKSONVILLE, FL 32256

DESCRIPTION: CONTRACTOR- ALL TYPES

COUNTY RECEIPT DESC: CONTRACTOR- ALL TYPES
MUNICIPAL RECEIPT DESC: MC 772.309

COUNTY TAX: 11.25
MUNICIPAL TAX: 66.25
TOTAL TAX PAID: 77.50

VALID UNTIL September 30, 2014

*****ATTENTION*****

**THIS RECEIPT IS FOR BUSINESS TAX RECEIPT ONLY.
CERTAIN BUSINESSES MAY REQUIRE ADDITIONAL STATE LICENSING.**

This is a business tax receipt only. It does not permit the receipt holder to violate any existing regulatory or zoning laws of the County or City. It does not exempt the receipt holder from any other license or permit required by law. This is not a certification of the receipt holder's qualifications.

TAX COLLECTOR

THIS BECOMES A RECEIPT AFTER VALIDATION.

PAID-2039373.0001-0001 M17 09/26/2013 77.50