



# City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811  
 Tel 407-581-8161 \* Fax 407-581-0313 \* [www.universalengineering.com](http://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:** WINDOWS: 16 windows and 3 doors size-for-size  
**Comments:** None  
**Project Information**  
 Address: 5224 Hawford Circle, Belle Isle, FL 32809  
 Parcel ID: 20-23-30-9375-00-620  
 Property Owner: Sturgis, John  
 Phone Number: none  
 \*\*\*\*\*  
 Company Name: Window World  
 Contractor Name: Tillman, Michael  
 License Number: CGC1514205  
 Address: 3882 Center Loop, Orlando, FL 32808  
 Phone Number: 407 389 1400

**Permit Number: 2015-08-005**  
**Date of Application: 07/31/2015**  
**Date Permit Issued: 08/07/2015**  
**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)/Doors \$163.50  
 \$  
 PrePower \$  
 Electrical \$  
 Temp Pole \$  
 Plumbing \$  
 Mechanical \$  
 Gas \$  
 Roofing \$  
 Boat Dock \$  
 Screen Encl \$  
 Swimming Pool \$  
 Sign \$

#### SURCHARGE FEES

Surcharge Fee \$2.45  
 Surcharge Fee \$2.45

**TOTAL FEES \$168.40**

Date Paid 8-26-15  
 CC or Check # 6820  
 Amount Paid 168.40

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).

#### 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

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

#### ROOFING

1<sup>ST</sup> ROOFING Deck Nailing/Dry-in/Flashing \_\_\_\_\_  
 2<sup>nd</sup> ROOFING Covering In-Progress \_\_\_\_\_  
 3<sup>rd</sup> ROOFING Covering Final \_\_\_\_\_

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

1<sup>ST</sup> \_\_\_\_\_ (Underground) 2<sup>nd</sup> \_\_\_\_\_ (Sewer)  
 3<sup>rd</sup> \_\_\_\_\_ (Rough-In/Tub Set) 4<sup>th</sup> \_\_\_\_\_ (Final)

#### CHECK APPROPRIATE BOX

GAS  Natural  LP  MECHANICAL  ELECTRICAL  LOW VOLTAGE

1<sup>st</sup> \_\_\_\_\_ (Rough-In) 2<sup>nd</sup> \_\_\_\_\_ (Final)

Inspection requests are to be emailed to [BidScheduling@UniversalEngineering.com](mailto: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/fo94edc4-832d-44bd-9809-ecf32f9e2e63>

login ID = [cobi@universalengineering.com](mailto: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.universaleengineering.com](http://www.universaleengineering.com)



## Building Permit (Land Use) Application

DATE: 7-31-15

PERMIT # 2015-08-005

PROJECT ADDRESS 5224 Hartford Circle, Belle Isle, FL 32809 32812

PROPERTY OWNER Sturgis John PHONE \_\_\_\_\_ VALUE OF WORK (labor & material) \$ 21,823

### PLEASE LIST THE NATURE OF YOUR PROPOSED IMPROVEMENTS

Replace all double windows size for size 16 windows  
3 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

Please Complete for the City of Belle Isle Zoning Review: **Parcel Id Number:** 20-23-30-9375-00-620  
To obtain this information, please visit <http://www.ocpafll.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 sq DATE 8-5-15  
 VERIFIED CONTRACTOR'S LICENSE & INSURANCE ARE ON FILE [Signature] DATE 7-31-15

### 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	
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)	<u>Y</u>	N	\$ <u>16350</u>
DOOR(S)	<u>Y</u>	N	\$ _____
FENCE	Y	N	\$ _____
SHED	Y	N	\$ _____
DRIVEWAY	Y	N	\$ _____
OTHER	Y	N	\$ _____
3% FL SURCHARGE			<u>2454.90</u>
TOTAL			<u>168.40</u>
By Owner Form	Y	<u>NA</u>	
Notice of Commencement	<u>Y</u>	NA	
Power of Attorney	<u>Y</u>	NA	
Contractor Packet Included?	Y	N	
<b>OTHER PERMITS REQUIRED:</b>			
ELECTRICAL	Y	NA	
PREPOWER	Y	NA	
MECHANICAL	Y	NA	
PLUMBING	Y	NA	
ROOFING	Y	NA	
GAS	Y	NA	



City of Belle Isle  
 1600 Nela Avenue, Belle Isle, FL 32809  
 Tel 407-851-7730 \* Fax 407-240-2222 \* [www.cityofbelleisle.org](http://www.cityofbelleisle.org)

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



PERMIT # 2015-08-065

Owner's Name John Sturno  
 Owner's Address 5224 Hawford Cir Orlando FL 32812  
 Fee Simple Titleholder's Name (If other than owner's) \_\_\_\_\_  
 Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Contractor's Name	<u>Window World</u>	Architect/Engineer's Name	
Contractor's Address	<u>3882 Center Loop</u>	Architect/Engineer's Address	
City, State, ZIP	<u>Orlando FL 32808</u>	City, State, ZIP	
License #	<u>CG1514205</u>	License #	
Contact Phone/Cell	<u>407-389-1400</u>	Contact Phone/Cell	
Contact Email	<u>perm@windowworldorlando.com</u>	Contact Email	

**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.

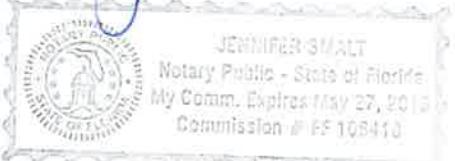
I hereby make Application for Permit as outlined above, and if same is granted I agree to conform to all Division of Building Safety Regulations ([www.floridabuilding.org](http://www.floridabuilding.org)) and City Ordinances ([www.municode.com](http://www.municode.com)) regulating same and in accordance 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 ELECTRICAL, MECHANICAL, PLUMBING, GAS, SIGNS, POOLS, 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 7/28/15  
 by John Sturno who is personally known to me  
 and who produced [Signature]  
 as identification and who did not take an oath.  
 Notary as to Owner \_\_\_\_\_  
 State of Florida \_\_\_\_\_  
 County of Orange \_\_\_\_\_



Contractor Signature [Signature]  
 COMPANY NAME \_\_\_\_\_  
 The foregoing instrument was acknowledged before me this 7/28/15  
 by Michael M 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  
 Section 50-74 Impervious Surface Ratio of the City Code

- 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



**DIVISION OF BUILDING SAFETY**

201 S. Rosalind Avenue, 1<sup>st</sup> Floor  
Reply To: Post Office Box 2687 • Orlando, Florida 32802-2687  
Phone: 407-836-5550  
www.orangecountyfl.net

**POWER OF ATTORNEY**

Date: 7-28-15

I hereby name and appoint Alice Robitaille

of Window World to be my lawful attorney-in-fact to

act for me and apply to the Division of Building Safety for a \_\_\_\_\_ permit

for work to be performed at a location described as:

Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_

Subdivision \_\_\_\_\_

Stumo

(Owner of Property)

5224 Hawford Cir

(Street Address)

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

Michael Tillman  
(Contractor Name) (Type or Print)

CGC1514205  
(Contractor's License Number)

(Contractor Signature)

The foregoing instrument was acknowledged before me this 28 day of July of 2015.

by Michael Tillman

who is personally known to me or who produced \_\_\_\_\_  
as identification and who did not take an oath.

J Smat  
Notary Public (Print name)

[Signature]  
Notary Public (Signature)



Permit Number: \_\_\_\_\_  
Folio/Parcel ID #: 20-23-30-9375-00-620  
Prepared by: Lindsey Datzel

DOCH 20150396453 B: 10959 P: 6523  
07/30/2015 08:35:02 AM Page 1 of 1  
Rec Fee: \$10.00  
Martha O. Haynie, Comptroller  
Orange County, FL  
MB - Ret To: WINDOW WORLD OF CENTRAL F

Return to: \_\_\_\_\_  
Window World Inc.  
3882 Center Loop  
Orlando, FL 32808



**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)  
Windsor Place Phase 2 30/31 Lot 62
2. **General description of improvement**  
Window Replacement
3. **Owner information or Lessee information if the Lessee contracted for the improvement**  
Name John Sturno  
Address 5224 Hawford Cir Orlando FL 32812  
Interest in Property owner  
**Name and address of fee simple titleholder** (if different from Owner listed above)  
Name \_\_\_\_\_  
Address \_\_\_\_\_
4. **Contractor**  
Name Window World Telephone Number 407-389-1400  
Address 3882 Center Lp Orlando FL 32808
5. **Surety** (if applicable, a copy of the payment bond is attached)  
Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_ Amount of Bond \$ \_\_\_\_\_
6. **Lender**  
Name \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_
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 \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_
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 \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Address \_\_\_\_\_
9. **Expiration date of notice of commencement** (the expiration date will be 1 year from the date of recording unless a different date is specified) \_\_\_\_\_



By: \_\_\_\_\_  
Deputy Comptroller  
Dated: JUL 30 2015

**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.**

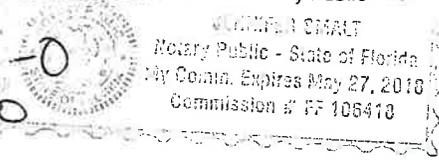
[Signature]  
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager \_\_\_\_\_  
Signatory's Title/Office \_\_\_\_\_

The foregoing instrument was acknowledged before me this 28 day of July 2015 by John Sturno  
month/year name of person

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

[Signature]  
Signature of Notary Public - State of Florida \_\_\_\_\_  
Smart  
Print, type, or stamp commissioned name of Notary Public

Personally Known OR Produced ID  
Type of ID Produced DL#: 5365-467-59-380-0  
John Sturno



# WINDOW MEASUREMENTS

Sturno, John

# OF STORIES 1

MEASURED BY Jeff Kuske

TYPE OF WINDOWS: Aluminum

# OF WINDOWS

16 + 1sgd

TYPE OF CONSTRUCTION: Block

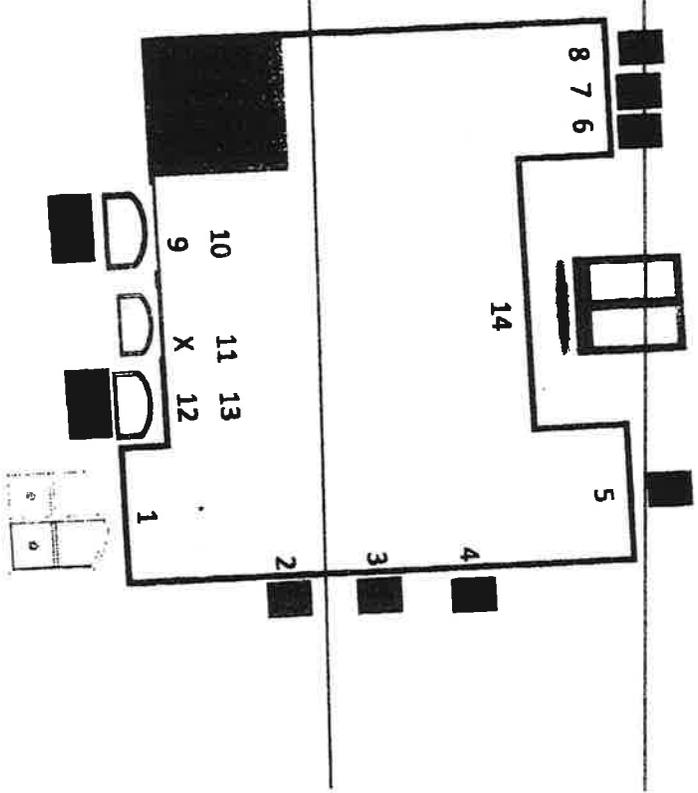
DRAWING

SCREWED IN \_\_\_\_\_ STUCCO no \_\_\_\_\_

BRICK \_\_\_\_\_

OTHER \_\_\_\_\_

SIZE (WXH)	MDL	LEG	LE	OB	TP	GD	ML	FS	RM LOC
1 73 X 74	Q70	68	XX			XX	X		bed 1
2 35 1/2 X 25	ST3001		XX	XX	TB				bathrm
3 52 X 61 3/4	ST3001		XX						bed 2
4 52 X 61 3/4	ST3001		XX						bed 3
5 25 X 37	ST3001		XX	XX	XX				bathrm
6 36 X 70 3/4	ST3001		XX						master
7 36 X 70 3/4	ST3001		XX						master closet
8 25 1/2 X 37 1/4	ST3001		XX				X		dining rm
9 73 X 61 3/4	ST3001		XX			XX			dining rm
10 73 X 25 5/8	Q70	11 1/4	XX			XX			above front door
11 63 3/4 X 35	Q70	27 1/4	XX			XX		X	office
12 73 X 61 3/4	ST3001		XX			XX			office
13 73 X 23	Q70		11 XX						living rm
14 12/0 8/0	stackable	OXX	XX	3 PANEL					
15									
16									
17									
18									
19									
20									



INSTALLERS NOTES:

Searches
Sales Search
Results
Property Record Card
My Favorites

Sign up for e-Notify

## 5224 Hawford Cir < 20-23-30-9375-00-620 >

**Names:**  
Sturno John G  
Sturno Athena

**Mailing Address On File:**  
5224 Hawford Cir  
Belle Isle, FL 32812-2217  
Incorrect Mailing Address?

**Physical Street Address:**  
5224 Hawford Cir

**Postal City and Zipcode:**  
Orlando, FL 32812

**Property Use:**  
0103 - Single Fam Class III

**Municipality:**  
Belle Isle



302320937500620 08/24/2006

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

Update Information

### Property Description View Plat

WINDSOR PLACE PHASE 2 30/81 LOT 62

**Total Land Area** 11,602 sqft (+/-) | 0.27 acres (+/-) GIS Calculated Notice

**Land (includes working values)**

Land Use Code	Zoning	Land Units	Unit Price	Land Value	Class Unit Price	Class Value
0100 - Single Family	R-1-AA	1 LOT(S)	\$65,000.00	\$65,000	\$0.00	\$65,000

Page 1 of 1 (1 total records)

**Buildings (includes working values)**

Important Information		Structure				
	<b>Model Code:</b>	01 - Single Fam Residence	<b>Actual Year Built:</b>	1993	<b>Gross Area:</b>	3288 sqft
	<b>Type Code:</b>	0103 - Single Fam Class III	<b>Beds:</b>	4	<b>Living Area:</b>	2360 sqft
	<b>Building Value:</b>	\$183,381	<b>Baths:</b>	3.0	<b>Exterior Wall:</b>	Concrete Block Stucco
	<b>Estimated New Cost:</b>	\$214,984	<b>Floors:</b>	1	<b>Interior Wall:</b>	Drywall

Page 1 of 1 (1 total records)

**Extra Features (includes working values)**

Description	Date Built	Units	XFOB Value
FPL3 - Good Fireplace	01/01/1993	1 Unit(s)	\$6,000
PL2 - Above Average Pool	12/31/1994	1 Unit(s)	\$15,000
SCR2 - Scr Enc 2	12/31/1994	1 Unit(s)	\$5,000

Page 1 of 1 (3 total records)

This Data Printed on 07/24/2015 and System Data Last Refreshed on 07/23/2015

Site Notice • About Us • Contact Us • OCPAFL Home • Property Search • Exemption **FRAUD** Hotline

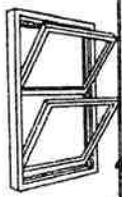
Orange County Property Appraiser • 200 S. Orange Avenue, Suite 1700 • Orlando, FL 32801

Office Hours: 8:00 a.m. to 5:00 p.m. Monday - Friday • Phone: 407.836.5044

Copyright © 2010 Orange County Property Appraiser. All rights reserved.

http://www.ocpafil.org/searches/ParcelSearch.aspx

1/1



INSERT ONLY

# Window World

"Simply the Best for Less"

3882 Center Loop, Orlando, FL 32808  
(407) 389-1400 • 1-800-NEXT-WINDOW • (407) 389-1402 Fax  
windowworldorlando.com / CGC 1514205

Name: John Sturno Phone (H): 321-303-1845  
 Install Address: 5224 Hawford Circle Phone (W): \_\_\_\_\_  
 City, State, Zip: Belle Isle, FL 32812 Phone (other): \_\_\_\_\_

FIBERGLASS ENTRY DOORS				DOUBLE INSULATED GLASS					
Single 6' 8" Smooth	\$ 599.00	Single Panel	Clear	Blinds	Grids	Low-E			
Single 6' 8" Woodgrain	\$ 759.00	1/4 Glass	\$ 175	\$ 109	\$ 65	\$ 65			
Single 8' 0" Smooth	\$ 879.00	3/4 Glass	\$ 225	\$ 125	\$ 65	\$ 65			
Single 8' 0" Woodgrain	\$ 959.00	6' 8" Full Glass	\$ 245	\$ 155	\$ 65	\$ 65		<u>400</u>	
		8' 0" Full Glass	\$ 275	\$ 185	\$ 65	\$ 65			
FIBERGLASS FRENCH ENTRY DOORS		SIDELITE							
Double 6' 8" Smooth	\$ 989.00	6' 8" Glass	\$ 125	\$ 195	\$ 65	\$ 65			
Double 6' 8" Woodgrain	\$ 1279.00	8' 0" Glass	\$ 185	N/A	\$ 65	\$ 65			
Double 8' 0" Smooth	\$ 1239.00	IMPACT GLASS X2							
Double 8' 0" Woodgrain	\$ 1419.00	DECORATIVE GLASS							
		Full	Oval	1/2"	Sidelite				
		Arcadia	\$ 2289	\$ 1659	\$ 1539	\$ 1369			
		Bella	\$ 1959	\$ 1329	\$ 1289	\$ 1159			
		Ashursa	\$ 1959	\$ 1329	\$ 1289	\$ 1159			
		LongFord	\$ 1739	\$ 1139	\$ 1259	\$ 1089			
		Cambridge	\$ 1739	\$ 1139	\$ 1259	\$ 1089			
		Augustine			\$ 2739				
		Blackstone	\$ 979	\$ 689	\$ 729	\$ 429			
		Saratoga	\$ 759	\$ 529	\$ 589	\$ 389			
		Wellesley	\$ 629	\$ 469	\$ 499	\$ 359			
		Crystal	\$ 729	\$ 529	\$ 559	\$ 369			
		Concorde	\$ 759	\$ 529	\$ 589	\$ 389			
		ODL Insert							
HARDWARE & ACCESSORIES		INSTALLATION							
<b>Cooper Creek/Security</b>		Single 6' 8" Door Removal/Install						\$ 335	
Handle Set with Interior Pack	\$ 159.00	Single 8' 0" Door Removal/Install						\$ 405	
Keyed Entry Lever/Knob Deadbolt	\$ 59	Double 6' 8" Door Removal/Install						\$ 485	
Peephole	\$ 39	Double 8' 0" Door Removal/Install						\$ 545	
Knocker	\$ 59	Sidelite 6' 8" Door Removal/Install						\$ 225/\$ 295	
		Exterior/Interior Trim (Type)						\$ 129	
		Stain 6' 8"/8' 0" Type						\$ 599/\$ 789	
		Paint 6' 8"/8' 0" Color						\$ 359/\$ 489	
DECORATIVE HANDLE SET									
Colonial/Heritage	\$ 119								
Morgan/Ashton	\$ 159								
Laurin/ Chandler	\$ 259								
Electronic Key Pad	\$ 159								
Client will supply Lockset									

NO EXTRA WORK IF NOT IN WRITING  
\$50 - installation  
20 x 64  
 \*Received plywood code (Volusia) \_\_\_\_\_  
 Please see reverse for additional terms & conditions

Customer agrees to the terms of Payment as follows:

Extra Labor \$ 50  
 Setup & Disposal Fee \$ \$100.00  
 Permit & Fees \$ \$250.00  
 Total Amount \$ 450  
 Custom Order Deposit 50% \$ WWF CK# \_\_\_\_\_  
 Balance Paid to Installer upon Completion \$ WWF

**CHECK RETURN FEE \$59**  
 Buyer agrees that he has read and understands all terms and conditions on front and back of this contract and agrees to every term and condition.

Jeff Kushe 7/23/15 Salesman Date White Copy - Original  
[Signature] 7/22/15 Owner Date Yellow Copy - Customer





Jeff Kuske

407-702-4354

MUSTY - FRENCH - DOORS



3882 Center Loop, Orlando, FL 32808  
(407) 389-1400 • 1-800-NEXT-WINDOW • (407) 389-1402 Fax  
windowworldorlando.com / CGC 1514205

Name: John Sturno Phone (H): 321-303-1845  
Install Address: 5224 Hawford Circle Phone (W): \_\_\_\_\_  
City, State, Zip: Belle Isle, FL 32812 Phone (other): \_\_\_\_\_

FIBERGLASS ENTRY DOORS		DOUBLE INSULATED GLASS				
Single 6' 8" Smooth	\$ 649.00	Single Panel	Clear	Blinds	Grids	Low-E
Woodgrain	\$ 809.00	1/2 Glass	\$ 200	\$ 109	\$ 65	\$ 65
Single 8' 0" Smooth	\$ 929.00	3/4 Glass	\$ 250	\$ 125	\$ 65	\$ 65
Woodgrain	\$ 1009.00	6' 8" Full Glass	\$ 270	\$ 155	\$ 65	\$ 65
<b>FIBERGLASS FRENCH ENTRY DOORS</b>		<u>2</u> 8' 0" Full Glass	<u>\$ 300</u>	<u>\$ 185</u>	\$ 65	\$ 65 <u>970</u>
Double 6' 8" Smooth	\$ 1039.00	<b>SIDELITE</b>				
Woodgrain	\$ 1329.00	6' 8" Glass	\$ 175	\$ 195	\$ 65	\$ 65
<u>I</u> Double 8' 0" Smooth	\$ 1289.00 <u>1299</u>	8' 0" Glass	\$ 225	N/A	\$ 65	\$ 65
Woodgrain	\$ 1469.00	<b>IMPACT GLASS X2</b>				
<b>SIDELITE</b>		<b>DECORATIVE GLASS</b>				
Single 6' 8" Smooth	\$ 350.00	Full	Oval	1/2"	Sidelite	
Woodgrain	\$ 474.00	Arcadia	\$ 2289	\$ 1659	\$ 1539	\$ 1369
Single 8' 0" Smooth	\$ 514.00	Bella	\$ 1959	\$ 1329	\$ 1289	\$ 1159
Woodgrain	\$ 594.00	Ashursa	\$ 1959	\$ 1329	\$ 1289	\$ 1159
<b>HARDWARE &amp; ACCESSORIES</b>		LongFord	\$ 1739	\$ 1139	\$ 1259	\$ 1089
<b>Cooper Creek/Security</b>		Cambridge	\$ 1739	\$ 1139	\$ 1259	\$ 1089
Handle Set with Interior Pack	\$ 169.00	Augustine			\$ 2739	
<u>I</u> Keyed Entry Lever/Knob Deadbolt	\$ 69 <u>N/A</u>	Blackstone	\$ 979	\$ 689	\$ 729	\$ 429
Peephole	\$ 39	Saratoga	\$ 759	\$ 529	\$ 589	\$ 389
Knocker	\$ 59	Wellesley	\$ 629	\$ 469	\$ 499	\$ 359
<b>DECORATIVE HANDLE SET</b>		Crystal	\$ 729	\$ 529	\$ 559	\$ 369
Colonial/Heritage	\$ 119	Concorde	\$ 759	\$ 529	\$ 589	\$ 389
Morgan/Ashton	\$ 159	ODL Insert				
Laurin/ Chandler	\$ 259	<b>INSTALLATION</b>				
Electronic Key Pad	\$ 159	Single 6' 8" Door Removal/Install	\$ 385			
Client will supply Lockset		Single 8' 0" Door Removal/Install	\$ 455			
		Double 6' 8" Door Removal/Install	\$ 535			
		<u>I</u> Double 8' 0" Door Removal/Install	\$ 595 <u>595</u>			
		Sidelite 6' 8" Door Removal/Install	\$ 250/\$ 320			
		<u>I</u> Exterior/Interior Trim (Type)	\$ 129	<u>129</u>		
		Stain 6' 8"/8' 0" Type	\$ 599/\$ 789			
		Paint 6' 8"/8' 0" Color	\$ 359/\$ 489			

NO EXTRA WORK IF NOT IN WRITING  
center hinge  
RHS  
\*Received plywood code (Volusia) \_\_\_\_\_  
Please see reverse for additional terms & conditions

Customer agrees to the terms of Payment as follows:  
Extra Labor \$ \_\_\_\_\_  
Setup & Disposal Fee \$ \$ 100.00  
Permit & Fees \$ \$ 250.00  
Total Amount \$ ~~3,052,298.3~~  
Custom Order Deposit 50% \$ \_\_\_\_\_ CK# \_\_\_\_\_  
Balance Paid to Installer upon Completion \$ \_\_\_\_\_

**CHECK RETURN FEE \$59**  
Buyer agrees that he has read and understands all terms and conditions on front and back of this contract and agrees to every term and condition.

Jeff Kuske 7/21/15 Salesman Date White Copy - Original  
[Signature] 7/22/15 Owner Date Yellow Copy - Customer



"Simply the Best for Less"

3882 Center Loop  
Orlando, FL 32808  
(407) 389-1400 • Fax (407) 389-1402

To Whom it May Concern,

We recognize the new Florida Codes in place and the windows and/or doors that are being installed for this job site are in compliance with the new code requirements. Fifth edition (the 5th edition) FBC Energy. Table R402.1.1 climate zone 2

**U-VALUE .4 AND SHGC.25**

If you should have any questions or concerns please feel free to contact us.

Sincerely,

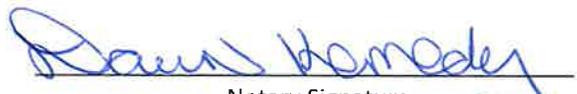
Brian Tillman  
Contractor

  
State of FL

County of Orange

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ by Michael Tillman Who is personally known to me  OR who has produced identification  type of identification produced \_\_\_\_\_



  
Notary Signature

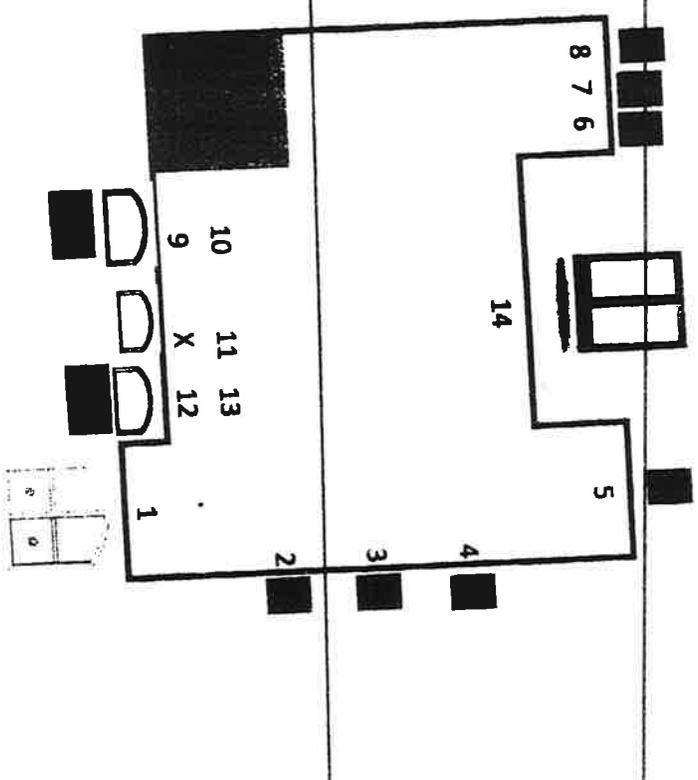
# WINDOW MEASUREMENTS

Sturmo, John      # OF STORIES 1      MEASURED BY Jeff Kuake      # OF WINDOWS 16 + 1sgd

TYPE OF CONSTRUCTION: Block      TYPE OF WINDOWS: Aluminum      DRAWING

SIZE (WxH)	MDL	LEG	LE	OB	TP	GDD	ML	FS	RM LOC
1 73 X 74	970	68	XX			XX	X		bed 1
2 35 1/2 X 25	ST3001		XX	XX	TB				bed 2
3 52 X 61 3/4	ST3001		XX						bed 3
4 52 X 61 3/4	ST3001		XX	XX	XX				bathrm
5 25 X 37	ST3001		XX						master
6 36 X 70 3/4	ST3001		XX						master
7 36 X 70 3/4	ST3001		XX						master closet
8 25 1/2 X 37 1/4	ST3001		XX						dining rm
9 73 X 61 3/4	ST3001		XX			XX	X		dining rm
10 73 X 25 5/8	970	11 1/4	XX			XX			above front door
11 63 3/4 X 35	970	27 1/4	XX			XX	X		office
12 73 X 61 3/4	ST3001		XX			XX			office
13 73 X 23	970	11	XX						living rm
14 12/08/0	stackable	OXX	XX	3 PANEL					
15									
16									
17									
18									
19									
20									

SCREWED IN \_\_\_\_\_ STUCCO no \_\_\_\_\_ BRICK \_\_\_\_\_  
OTHER \_\_\_\_\_



INSTALLERS NOTES:



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**Product Approval**  
USER: Public User

License efficiently. Regulate fairly.

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



FL #	FL14752-R4
Application Type	Revision
Code Version	2014
Application Status	Validated

Comments  
Archived

Product Manufacturer	Nan Ya Plastics Corporation USA
Address/Phone/Email	8989 North Loop East Houston, TX 77029 (713) 674-7822 Ext 105 ajen96@yahoo.com.tw

Authorized Signature	RUSKIN WU ajen96@yahoo.com.tw
----------------------	----------------------------------

Technical Representative	Ruskin Wu
Address/Phone/Email	8989 North Loop East Houston, TX 77029-1217 (713) 674-7822 Ext 105 ajen96@yahoo.com.tw

Quality Assurance Representative  
Address/Phone/Email

Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies

Compliance Method	Certification Mark or Listing
-------------------	-------------------------------

Certification Agency	National Accreditation & Management Institute
Validated By	National Accreditation & Management Institute,

Referenced Standard and Year (of Standard)	Standard	Year
	AAMA/NWWDA 101/I.S.2	1997
	AAMA/WDMA 101/I.S.2/NAFS	2002
	AAMA/WDMA/CSA 101/I.S.2/A440	2008
	AAMA/WDMA/CSA 101/I.S.2/A440	2005
	ASTM E1886	2005
	ASTM E1886	2002
	ASTM E1996	2002
	ASTM E1996	2005
	ASTM E1996	2006
	ASTM E330	2002
	TAS 201	1994
	TAS 202	1994
	TAS 203	1994

Equivalence of Product Standards  
 Certified By

Product Approval Method

Method 1 Option A

Date Submitted

06/10/2015

Date Validated

06/24/2015

**Summary of Products**

Go to Page



FL #	Model, Number or Name	Description
14752.1	12080 SLPS Outswing Patio Door	12080 SLPS Outswing Patio Door - Impact
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +50/-50 Other:		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI011029.01-R1.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 03/31/2016 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-02135B.pdf</a> Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_512849B.pdf</a> Created by Independent Third Party: Yes
14752.2	8' Distinction Inswing Fiberglass Glazed Patio Door	8' Distinction Inswing Fiberglass Glazed Patio Door w/ & w/o Sidelites - Impact
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: REFER TO INSTALLATION INSTRUCTIONS FOR DESIGN PRESSURE RATINGS.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI010022-R1.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 12/31/2016 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00977B.pdf</a> Verified By: Luis R. Lomas 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511538A.pdf</a> Created by Independent Third Party: Yes
14752.3	8' Distinction Inswing Fiberglass Opaque Patio Door	8' Distinction Inswing Fiberglass Opaque Patio Door w/ & w/o Sidelites - Impact
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: REFER TO INSTALLATION INSTRUCTIONS FOR DESIGN PRESSURE RATINGS.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI010022-R1.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 12/31/2016 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00978B.pdf</a> Verified By: Luis R Lomas 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511539B.pdf</a> Created by Independent Third Party: Yes
14752.4	IN-SWING ENTRANCE DOOR	IN-SWING ENTRANCE DOOR WITH SIDELITES - SLPS
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +50/-50 Other:		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI011075.02-R1.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/30/2016 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-01887B.pdf</a> Verified By: Luis Roberto Lomas 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_512579C.pdf</a> Created by Independent Third Party: Yes
14752.5	IN-SWING ENTRANCE DOOR	IN-SWING ENTRANCE DOOR WITH AND WITHOUT SIDELITES - SLPS NON-IMPACT, FIBERGLASS CLAD
<b>Limits of Use</b> Approved for use in HVHZ: No		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI011058.01-R1.pdf</a>

	<p><b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> +60/-60  <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.</p>	<p><b>Quality Assurance Contract Expiration Date</b>                  04/30/2021  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01889B.pdf</a>                  Verified By: Luis Roberto Lomas 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512581C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.6	In-swing Entrance Door with Sidelites	NEUMA IMPACT IN-SWING 12'0 X 6'11 GLAZED, 4 PANEL
	<p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> Yes  <b>Design Pressure:</b> +50/-50  <b>Other:</b></p>	<p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011075.01.pdf</a>  <a href="#">FL14752_R4_C_CAC_NI011075.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  04/30/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01549B.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512195C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.7	In-Swing Fiberglass Clad Entrance Door w/ and w/o Sidelites	NEUMA NON-IMPACT INSWING- 12'0"x6'11", GLAZED, 4 PANEL
	<p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> N/A  <b>Other:</b> REFER TO APPROVAL DOCUMENT FOR DESIGN PRESSURES. UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.</p>	<p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011057.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  01/31/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01530B.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512171C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.8	OUT-SWING ENTRANCE DOOR	OUT-SWING ENTRANCE DOOR WITH AND WITHOUT SIDELITES - SLPS, FIBERGLASS CLAD
	<p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> Yes  <b>Design Pressure:</b> +70/-70  <b>Other:</b></p>	<p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI010690.02-R1.pdf</a>  <a href="#">FL14752_R4_C_CAC_NI011031.01.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  03/31/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01888B.pdf</a>                  Verified By: Luis Roberto Lomas 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512580C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.9	OUT-SWING ENTRANCE DOOR	OUT-SWING ENTRANCE DOOR WITH AND WITHOUT SIDELITES - SLPS NON-IMPACT, FIBERGLASS CLAD
	<p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> +70/-70  <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.</p>	<p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011031.01.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  03/31/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01891B.pdf</a>                  Verified By: Luis Roberto Lomas 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512583C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.10	Out-Swing Entrance Door with and without Sidelites	NEUMA NON-IMPACT OUT-SWING 12'0 X 6'11 GLAZED, 4 PANEL
	<p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> +70/-70  <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.</p>	<p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011074.01.pdf</a>  <a href="#">FL14752_R4_C_CAC_NI011074.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  04/30/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01550B.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes</p>

		<p><b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512196C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.11	Out-Swing Fiberglass Clad Entrance Door w/ and w/o Sidelites	<p>NEUMA NON-IMPACT OUTSWING- 12'0"x6'11", GLAZED, 4 PANEL</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> +70/-70  <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.</p> <p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011031.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  03/31/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01532C.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512173D.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.12	Out-Swing Patio Door with Sidelites	<p>NEUMA NON-IMPACT OUT-SWING 12'0 X 8'0 GLAZED, 4 PANEL</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> +70/-70  <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.</p> <p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011076.01.pdf</a>  <a href="#">FL14752_R4_C_CAC_NI011076.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  04/30/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01551B.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_512197C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.13	Outswing Entrance Door w/ & w/out Sidelites	<p>Outswing Entrance Door w/ &amp; w/out Sidelites - Fiberglass clad</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> Yes  <b>Design Pressure:</b> +50/-50  <b>Other:</b></p> <p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI011687-R3.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  01/31/2016  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-02313B.pdf</a>                  Verified By: Luis Roberto Lomas 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_513070B.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.14	Series " 9'0" x 8'0" Fiberglass I/S Glazed Double Door"	<p>NEUMA IMPACT INSWING - 9'0" X 8'0" , GLAZED, 3 PANEL, DP50</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> Yes  <b>Design Pressure:</b> N/A  <b>Other:</b> REFER TO APPROVAL DOCUMENT FOR DESIGN PRESSURES.</p> <p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI006487A-R7.pdf</a>  <a href="#">FL14752_R4_C_CAC_NI006487-R5.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  02/28/2018  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01165B.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_511736C.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.15	Series " 9'0" x 8'0" Fiberglass O/S Glazed Double Door"	<p>NEUMA IMPACT OUTSWING - 9'0" X 8'0" GLAZED, 3 PANEL DP50</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> Yes  <b>Design Pressure:</b> +50/-50  <b>Other:</b></p> <p><b>Certification Agency Certificate</b>  <a href="#">FL14752_R4_C_CAC_NI006486A-R4.pdf</a>  <a href="#">FL14752_R4_C_CAC_NI006486-R4.pdf</a>  <b>Quality Assurance Contract Expiration Date</b>                  02/28/2018  <b>Installation Instructions</b>  <a href="#">FL14752_R4_II_08-01166C.pdf</a>                  Verified By: Luis R. Lomas, P.E. 62514                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL14752_R4_AE_511737D.pdf</a>                  Created by Independent Third Party: Yes</p>
14752.16	Series "Distinction Door" I/S	<p>NEUMA NON-IMPACT INSWING - 12'0" X 8'0" , GLAZED, 4</p>

	Fiberglass Clad Entry Door	PANEL
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +30/-30 <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI006629A-R3.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/30/2018 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00768C.pdf</a> Verified By: Luis R. Lomas, P.E. 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511303C.pdf</a> Created by Independent Third Party: Yes
14752.17	Series "Distinction Door" O/S Fiberglass Clad Entry Door	NEUMA NON-IMPACT OUTSWING - 12'0" X 8'0" , GLAZED, 4 PANEL
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +70/-70 <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI006629-R3.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/30/2018 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00769D.pdf</a> Verified By: Luis R. Lomas, P.E. 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511304D.pdf</a> Created by Independent Third Party: Yes
14752.18	Series "Nan Ya" 8' I/S Hinged 3/4 Lite Fiberglass Patio Door	NEUMA IMPACT INSWING - 9'0" X 8'0" , 3/4 GLAZED, 3 PANEL
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> REFER TO APPROVAL DOCUMENT FOR DESIGN PRESSURES.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI009842-R3.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/30/2017 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00766D.pdf</a> Verified By: Luis R. Lomas, P.E. 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511301D.pdf</a> Created by Independent Third Party: Yes
14752.19	Series "Nan Ya" 8' O/S Hinged 3/4 Lite Fiberglass Patio Door	NEUMA NON-IMPACT OUTSWING - 9'0" X 8'0" , 3/4 GLAZED, 3 PANEL DP50
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> +50/-50 <b>Other:</b> UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI009842A-R3.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 01/31/2017 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00767E.pdf</a> Verified By: Luis R. Lomas, P.E. 62514 Created by Independent Thlrd Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511302D.pdf</a> Created by Independent Third Party: Yes
14752.20	Series "Neuma Classic" I/S & O/S Center Hinged Patio Door	NEUMA CLASSIC INSWING/OUTSWING CENTER HINGED - 6'0" X 6'11" , GLAZED, 2 PANEL
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> REFER TO APPROVAL DOCUMENT FOR DESIGN PRESSURES. UNITS GLAZED WITH SAFETY GLASS PER ASTM E1300-04.		<b>Certification Agency Certificate</b> <a href="#">FL14752_R4_C_CAC_NI09950B-R3.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/30/2017 <b>Installation Instructions</b> <a href="#">FL14752_R4_II_08-00872C.pdf</a> Verified By: Luis Roberto Lomas, P.E 62514 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL14752_R4_AE_511419E.pdf</a> Created by Independent Third Party: Yes

Go to Page

Back Next

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**Product Approval Accepts:**



# NOTICE OF PRODUCT CERTIFICATION



**CERTIFICATION NO:** NI011029.01-R1  
**DATE:** 03/29/2012  
**CERTIFICATION PROGRAM:** Structural  
**COMPANY:** Nan Ya Plastics  
**CODE:** 661-1  
**REVISION DATE:** 04/16/2014

To verify that the "Notice of Product Certification" is valid, please visit [www.NAMICertification.com](http://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. A NAMI approved certification label must be applied to the product to claim certification status. Please review and advise NAMI if any corrections are required to this document.

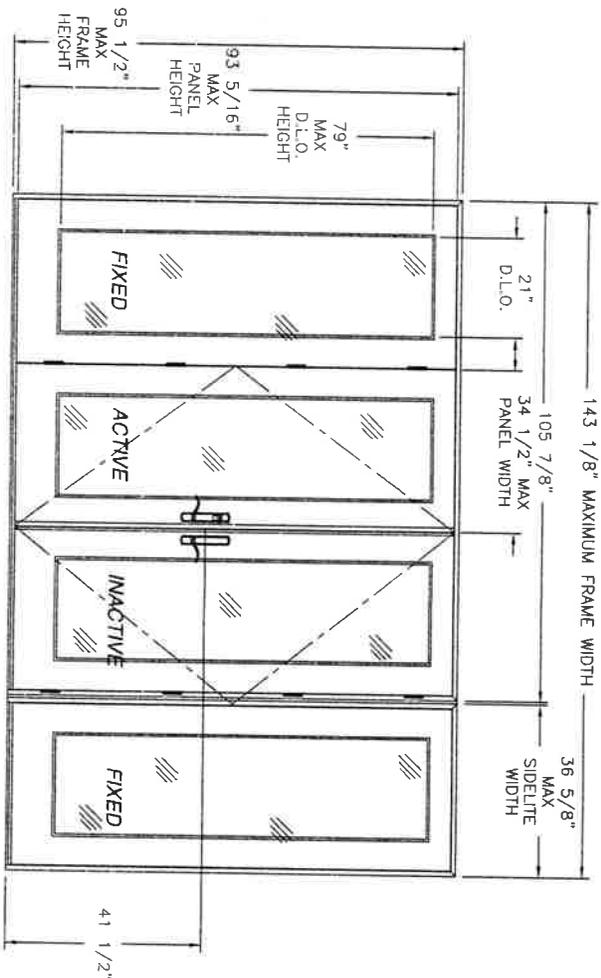
COMPANY NAME AND ADDRESS	PRODUCT DESCRIPTION
<b>Nan Ya Plastics Corp. USA/Neuma Doors</b> <b>8989 North Loop East</b> <b>Houston, TX 77029</b>	<p align="center"><b>Series "SLPS 8'0" Height</b></p> <p align="center"><b>Out-Swing Patio Door" Fiberglass</b></p> <p align="center"><b>Side-Hinged Door with Sidelites</b></p> <p align="center">Configuration: OXXO                      Glazing: IG-1/8" Tempered Glass/Laminate-1/8"                      Tempered Glass/0.090" DuPont PVB Interlayer/1/8"                      Tempered Glass</p> <p>Frame: W-3635mm(143.13") H-2426mm(95.50")                      Panel: W-876mm(34.50") H-2370mm(93.32")                      DLO: W-533mm(21.00") H-2007mm(79.00")</p>

SPECIFICATION	PRODUCT RATING
<b>AAMA/WDMA/CSA 101/I.S.2/A440-08</b> <b>ASTM E1886-02/04/05/E1996-04/06/09</b>	<p align="center"><b>Class R-PG50 3635 x 2426 (144 x 96)-SHD</b></p> <p align="center"><b>Design Pressure: +50/-50 psf</b></p> <p align="center"><b>Wind Zone 4 - Missile Level D</b></p> <p align="center"><small>Qualifies Configurations O/X/OX/XO/OXO/XX/OXX/XXO/OXXO</small></p>

**Product Tested By:** National Certified Testing Laboratories  
**Report No:** NCTL-210-3798-2  
**Expiration Date:** March 31, 2016

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**



**SERIES SLPs 80 HEIGHT OUT-SWING PATIO DOOR W/ SIDELITES**  
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	RL
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	RL

- 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. 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.
  4. UNITS MUST BE GLAZED PER ASTM E1300-04. SEE SHEET 5 FOR GLASS DETAILS.
  5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
  6. FRAME JAMB AND HEAD MATERIAL: CO-EXTRUDED PVC FOAM 2" THICK WITH ALUMINUM CLADDING 0.63" THICK.
  7. FRAME SILL MATERIAL: CO-EXTRUDED PVC FOAM 1 1/2" THICK.
  8. DOOR PANEL AND SIDELITE MATERIAL: .075" THICK FIBERGLASS SKIN WITH PVC FOAM TOP AND BOTTOM RAILS, AND PVC FOAM VERTICAL STILES WITH PINE REINFORCEMENTS AND POLYURETHANE FOAM CORE.
  9. APPROVED CONFIGURATIONS: O, X, OX, XO, XX, OXX, XXX, OXXO, OXX AND OXXX. SEE SHEET 2.
  10. HINGES LOCATED AT 8", 33 1/2", 59" AND 84 1/2" FROM BOTTOM OF PANEL.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1, 2	ELEVATION AND NOTES
3, 4	ANCHORING LAYOUTS
5 - 9	INSTALLATION DETAILS

**NAN YA PLASTICS CORP. USA**  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

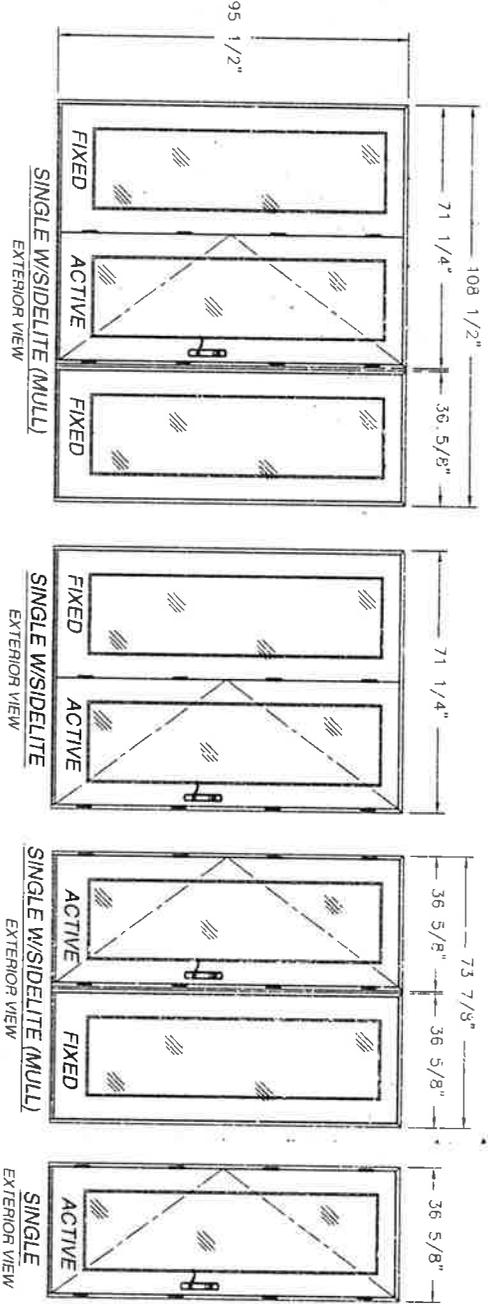
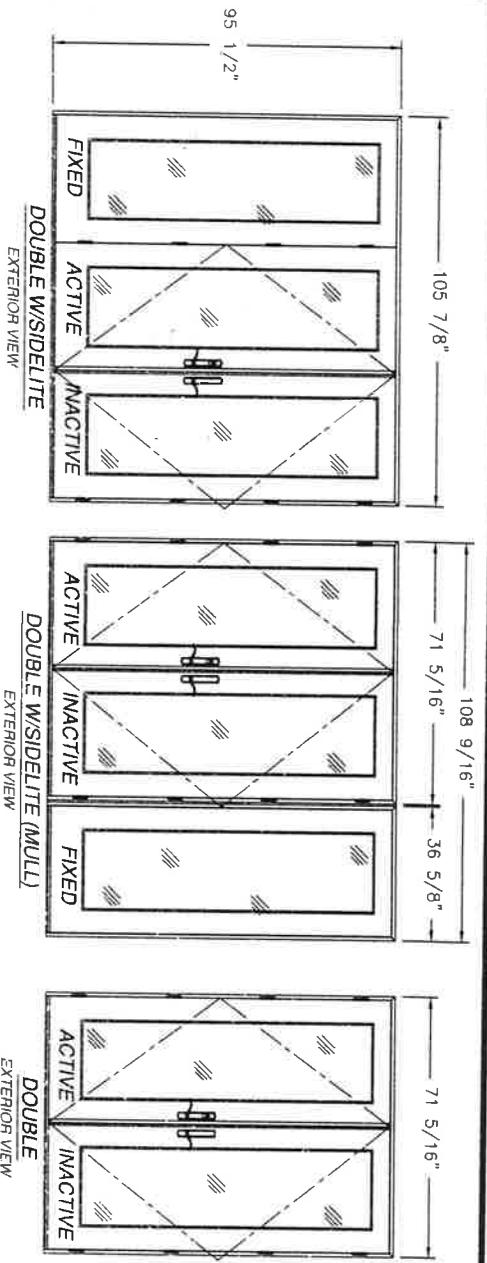
SERIES SLPs 80" HEIGHT OS PATIO DOOR  
FIBERGLASS SIDE HINGED DOOR W/ SIDELITES  
ELEVATION AND NOTES

DRAWN: V.L.	DWG NO. 08-02135	REV B
SCALE NTS	DATE 07/11/13	SHEET 1 OF 9



SIGNED: 05/12/2015

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	RL
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	RL

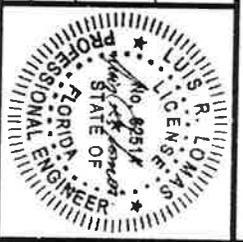


NOTE:  
ALL APPROVED CONFIGURATIONS ARE SHOWN AS LEFT  
HAND ACTIVE. RIGHT HAND ACTIVE IS ALSO APPROVED.

**NAN YA PLASTICS CORP. USA**  
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HOUSTON, TX 77029

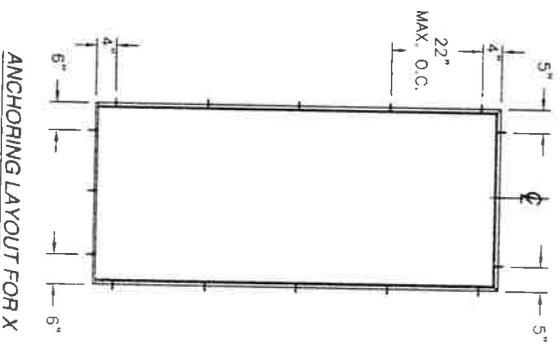
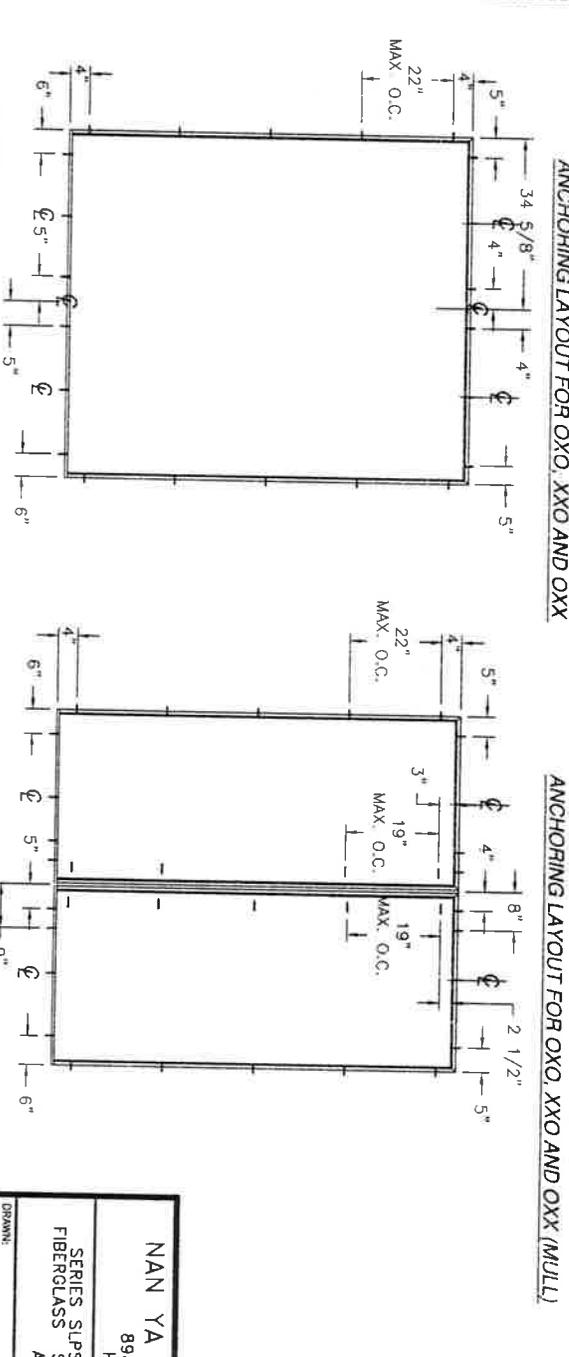
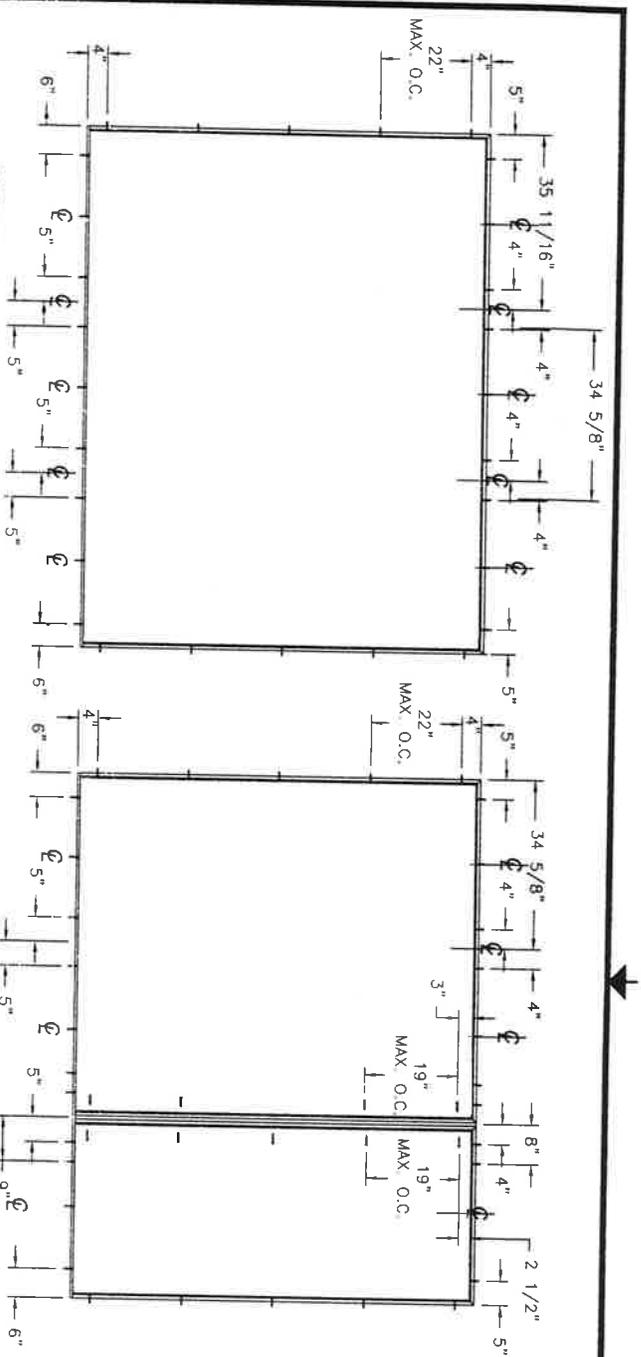
SERIES SLPS 8'0" HEIGHT OS PATIO DOOR  
FIBERGLASS SIDE HINGED DOOR W/ SIDELITES  
APPROVED ELEVATIONS

DRAWN: V.L.	DWG NO 08-02135	REV B
SCALE NTS	DATE 07/11/13	SHEET 2 OF 9





REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	RL
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	RL



SIGNED: 05/12/2015

**NAN YA PLASTICS CORP. USA**  
 8989 NORTH LOOP EAST  
 HOUSTON, TX 77029

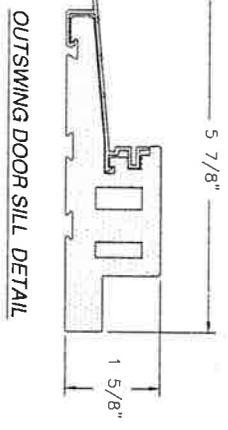
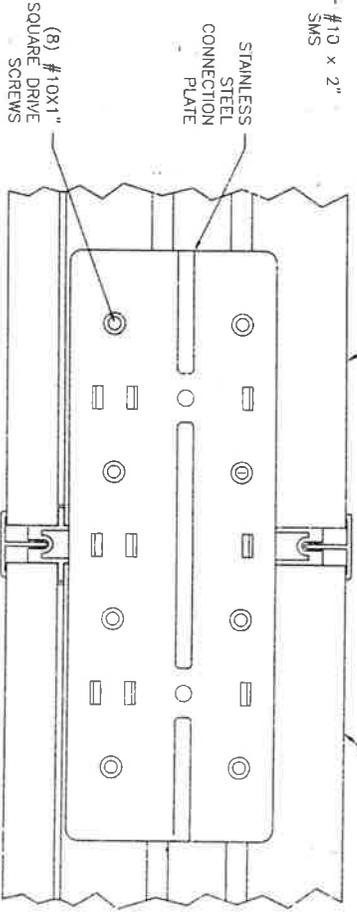
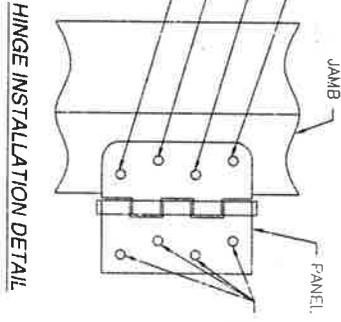
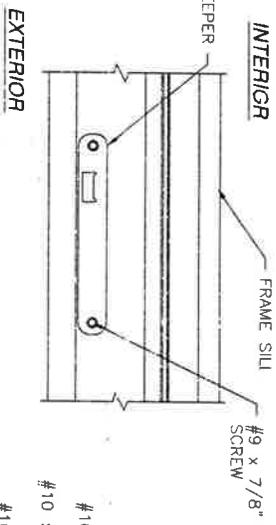
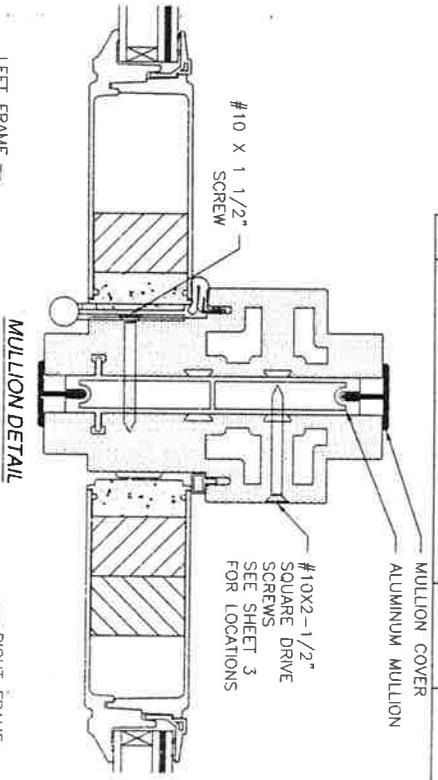
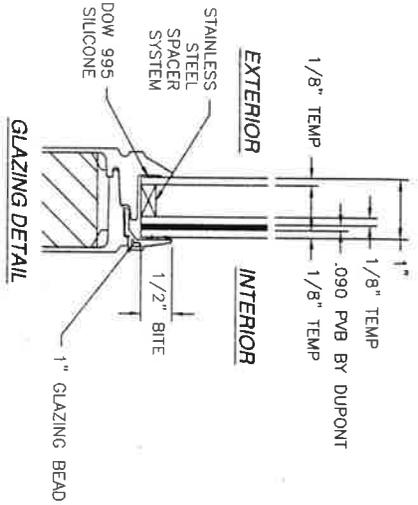
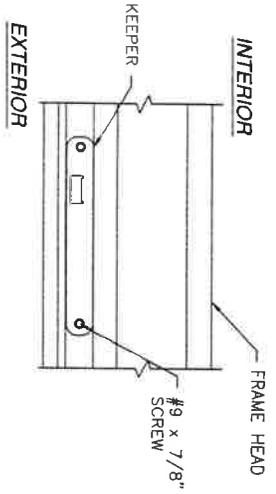
SERIES SLPS 8'0" HEIGHT OS PATIO DOOR  
 FIBERGLASS SIDE HINGED DOOR W/ SIDELITES  
 ANCHORING LAYOUTS

DRWNR	DWG NO.	REV
V.L.	08-02135	B

SCALE: NTS DATE: 07/11/13 SHEET 4 OF 9

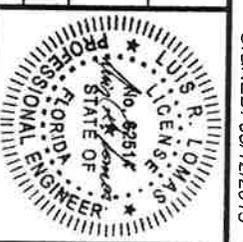


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	RL

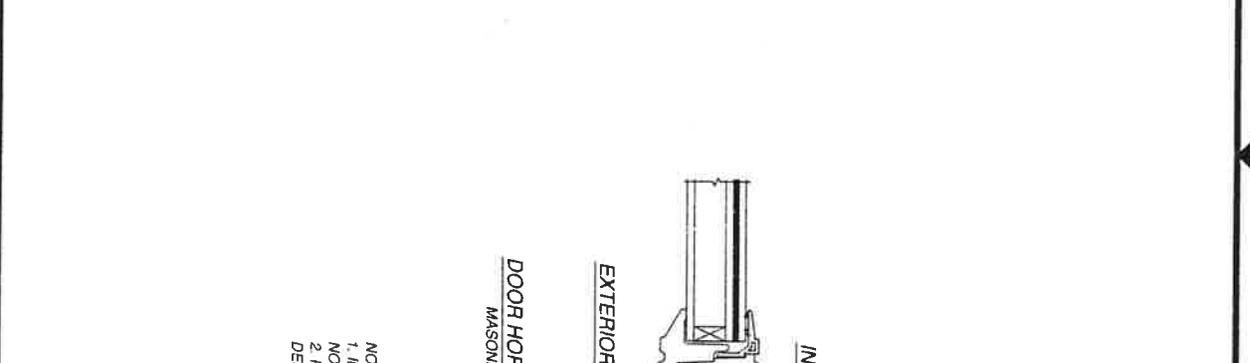
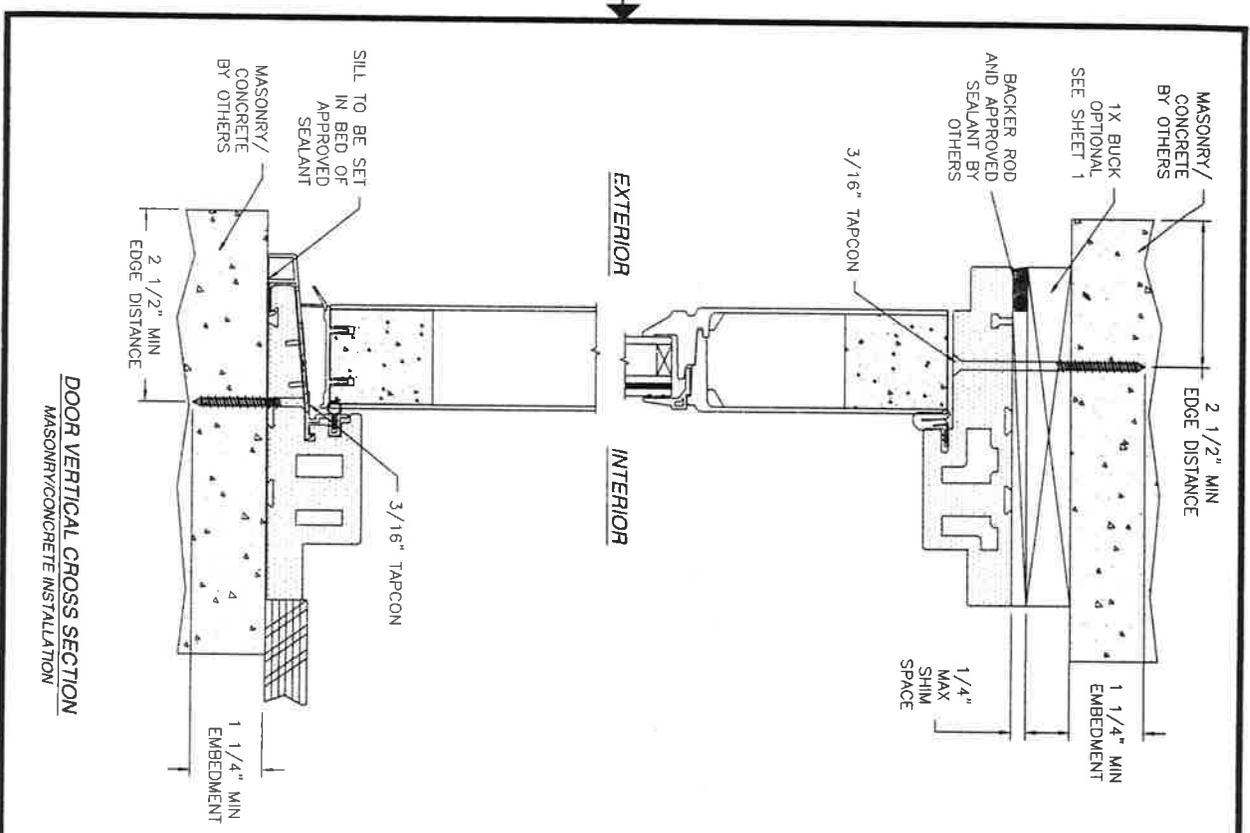


HARDWARE SCHEDULE	
A. (3) 4" BUTT HINGE	
B. 2 POINT LOCK SYSTEM	
C. RIGID PVC ASTRAGAL WITH ALUMINUM REINFORCEMENT	

<b>NAN YA PLASTICS CORP. USA</b> 8989 NORTH LOOP EAST HOUSTON, TX 77029			
SERIES SLPs 8'0" HEIGHT OS PATIO DOOR FIBERGLASS SIDE HINGED DOOR W/ SIDELITES INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02135	DATE 07/11/13	REV B
SCALE NTS	SHEET 5 OF 9		



SIGNED: 05/12/2015



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	R.L.
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	R.L.

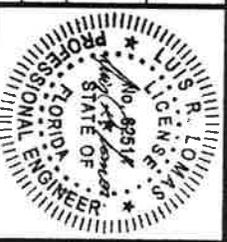
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 05/12/2015

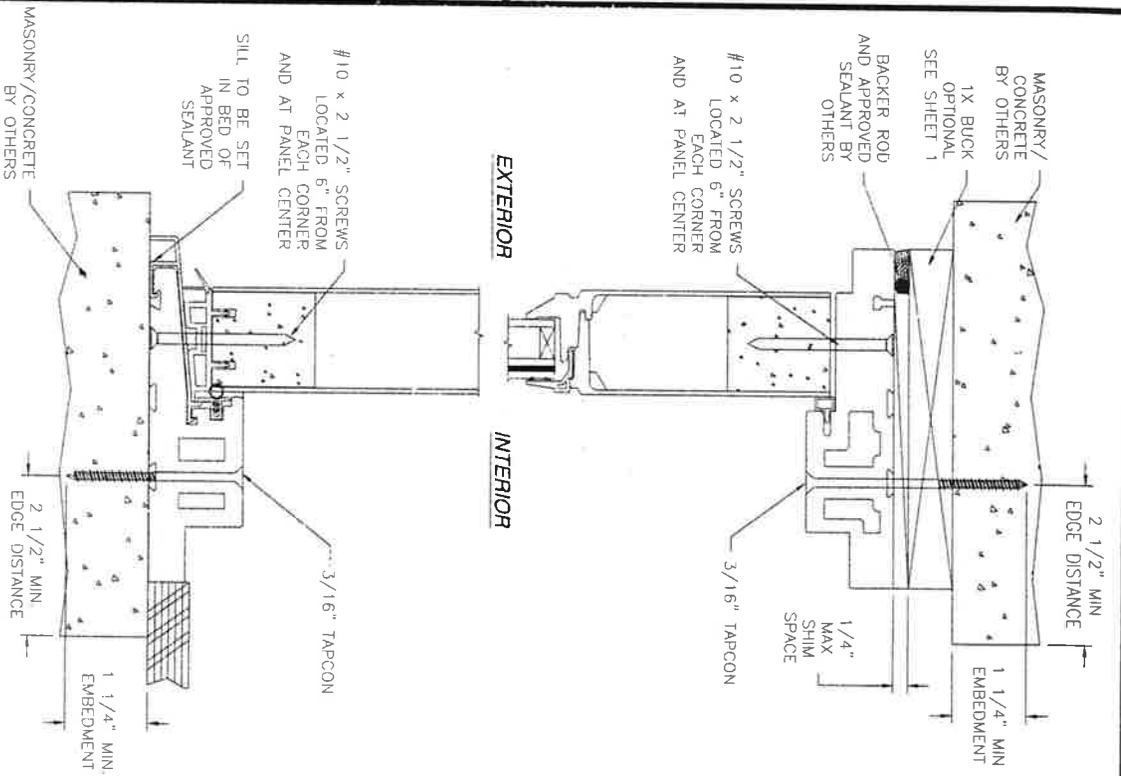
**NAN YA PLASTICS CORP. USA**  
 8989 NORTH LOOP EAST  
 HOUSTON, TX 77029

SERIES SLPS 8'0" HEIGHT OS PATIO DOOR  
 FIBERGLASS SIDE HINGED DOOR W/ SIDELITES  
 INSTALLATION DETAILS

DRAWN: V.L.	DWG NO. 08-02135	REV B
SCALE NTS	DATE 07/11/13	SHEET 6 OF 9

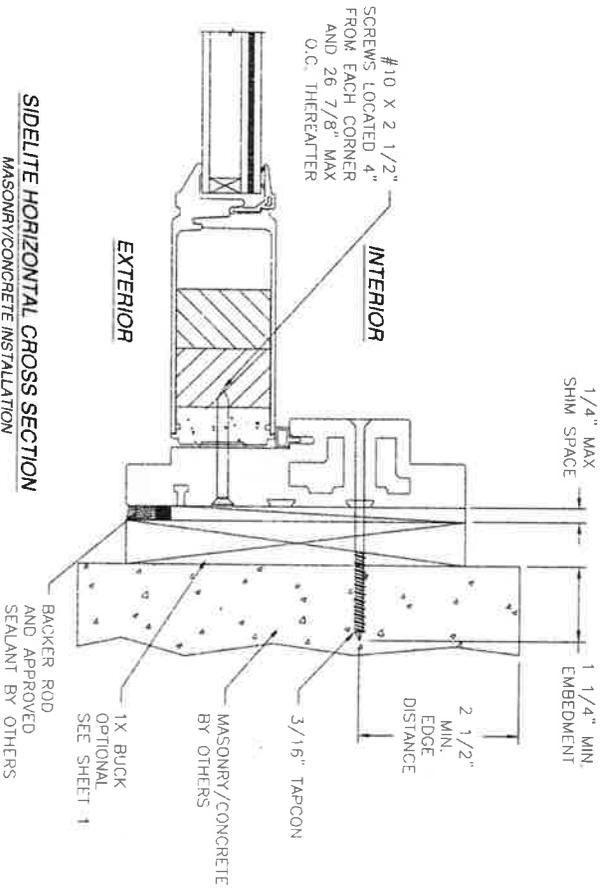


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	RL
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	RL



**SIDELITE VERTICAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION

**SIDELITE HORIZONTAL CROSS SECTION**  
MASONRY/CONCRETE INSTALLATION

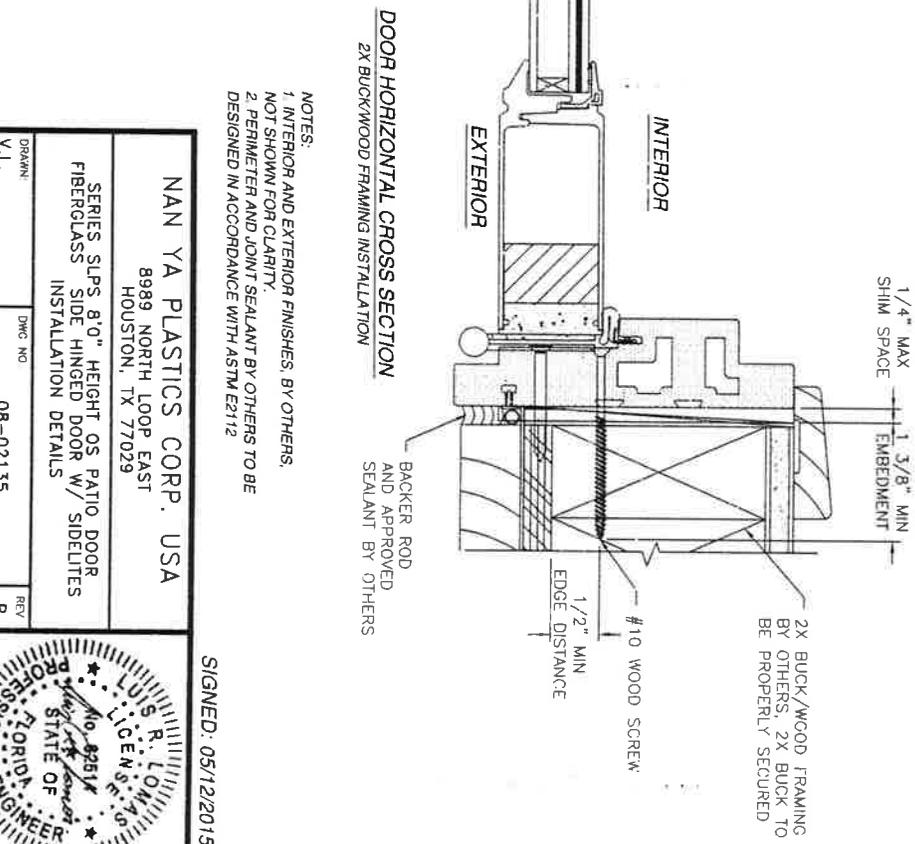
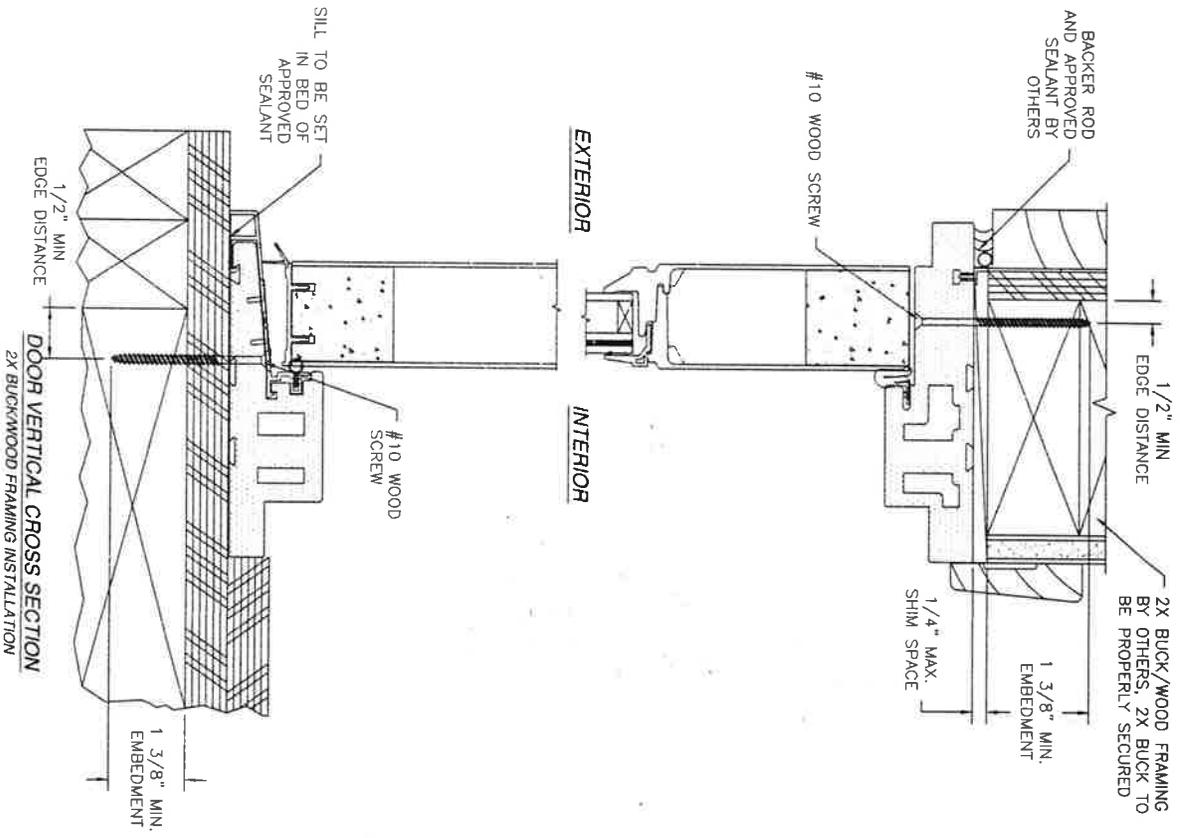


- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 05/12/2015

<b>NAN YA PLASTICS CORP. USA</b> 8989 NORTH LOOP EAST HOUSTON, TX 77029	
SERIES SLP'S 8'0" HEIGHT OS PATIO DOOR FIBERGLASS SIDE HINGED DOOR W/ SIDELITES INSTALLATION DETAILS	
DRAWN: V.L.	DWG NO 08-02135
SCALE NTS DATE 07/11/13	SHEET 7 OF 9
REV B	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	R.L.
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	R.L.



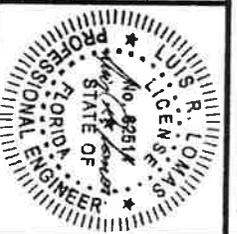
- NOTES:  
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS.  
 NOT SHOWN FOR CLARITY.  
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE  
 DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 05/12/2015

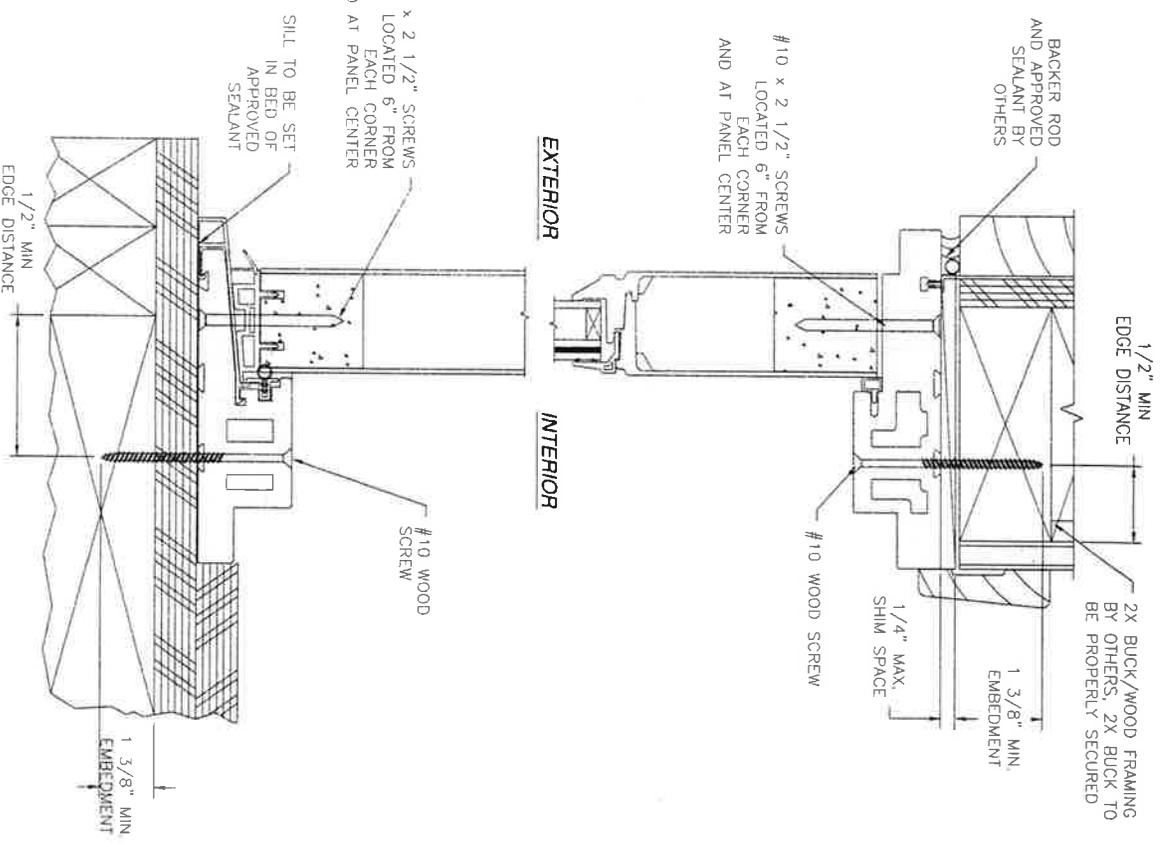
**NAN YA PLASTICS CORP. USA**  
 8989 NORTH LOOP EAST  
 HOUSTON, TX 77029

SERIES SLPS 8'0" HEIGHT OS PATIO DOOR  
 FIBERGLASS SIDE HINGED DOOR W/ SIDELITES  
 INSTALLATION DETAILS

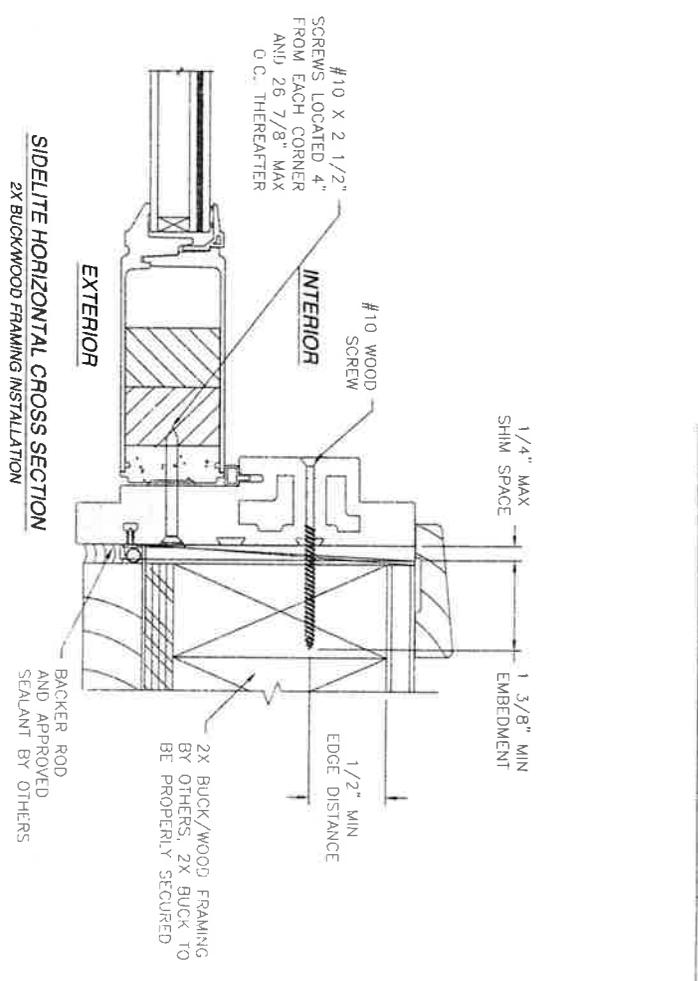
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SCALE NTS	DATE 07/11/13	SHEET 8 OF 9



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED EDGE DISTANCES	11/05/14	R.L.
B	REVISED SIDELITE INSTALLATION DETAILS	05/12/15	R.L.



**SIDELITE VERTICAL CROSS SECTION**  
2X BUCKWOOD FRAMING INSTALLATION



**SIDELITE HORIZONTAL CROSS SECTION**  
2X BUCKWOOD FRAMING INSTALLATION

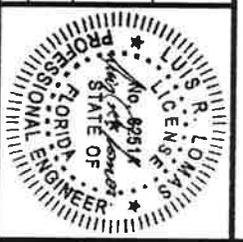
- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E812

SIGNED: 05/12/2015

**NAN YA PLASTICS CORP. USA**  
8989 NORTH LOOP EAST  
HOUSTON, TX 77029

SERIES SLPs 8'0" HEIGHT OS PATIO DOOR  
SIDE HINGED DOOR w/ SIDELITES  
INSTALLATION DETAILS

SCALE	DATE	DWG NO	REV
NTS	07/11/13	08-02135	B





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**Product Approval**  
USER: Public User



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

FL #	FL12078-R4
Application Type	Revision
Code Version	2014
Application Status	Approved
Comments	
Archived	
Product Manufacturer	Associated Materials Inc.
Address/Phone/Email	3773 State Road Cuyahoga Falls, OH 44223 (330) 922-2108 mfernbaugh@alside.com
Authorized Signature	Vivian Wright rickw@rwbldgconsultants.com
Technical Representative	
Address/Phone/Email	
Quality Assurance Representative	
Address/Phone/Email	
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	Lyndon F. Schmidt, P.E.
Florida License	PE-43409
Quality Assurance Entity	Architectural Testing, Inc.
Quality Assurance Contract Expiration Date	12/31/2016
Validated By	Ryan J. King, P.E. Validation Checklist - Hardcopy Received
Certificate of Independence	<a href="#">FL12078_R4_COI_CERTIFICATE OF INDEPENDENCE.pdf</a>
Referenced Standard and Year (of Standard)	
Equivalence of Product Standards Certified By	
Sections from the Code	1710.5.3

Product Approval Method

Method 2 Option B

Date Submitted 03/04/2015  
 Date Validated 03/16/2015  
 Date Pending FBC Approval 03/18/2015  
 Date Approved 06/22/2015

**Summary of Products**

FL #	Model, Number or Name	Description
12078.1	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
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mulled window size. Refer to EVAL 12078.1 and INST 12078.1 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.1.pdf</a> Created by Independent Third Party: Yes
12078.2	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
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mulled window size. Refer to EVAL 12078.2 and INST 12078.2 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.2.pdf</a> Created by Independent Third Party: Yes
12078.3	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
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mulled window size. Refer to EVAL 12078.3 and INST 12078.3 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.3.pdf</a> Created by Independent Third Party: Yes
12078.4	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
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mulled window size. Refer to EVAL 12078.4 and INST 12078.4 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.4.pdf</a> Created by Independent Third Party: Yes
12078.5	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
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mulled window size. Refer to EVAL 12078.5 and INST 12078.5 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.5.pdf</a> Created by Independent Third Party: Yes

12078.6	f. "i" Series Structural Transom Mullion	Extruded Aluminum Clipped Mullion for use on Wood and Masonry Openings utilizing the Goal Post Style Mounting Brackets
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mullion window size. Refer to EVAL 12078.6 and INST 12078.6 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.6.pdf</a> Created by Independent Third Party: Yes
12078.7	g. "C-Class" Series Structural Mullion	Clipped Steel 2.0", 2.25" and 2.5" Bar Mullion for use on Wood and Masonry Openings
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Mullion Design Pressure varies according to mullion window size. Refer to EVAL 12078.7 and INST 12078.7 for Mullion Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL12078_R4_II_Inst_12078.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL12078_R4_AE_Eval_12078.7.pdf</a> Created by Independent Third Party: Yes

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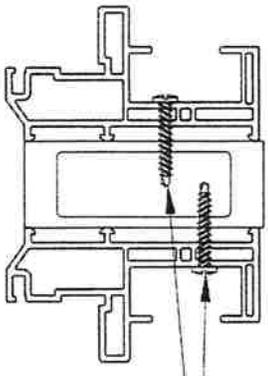
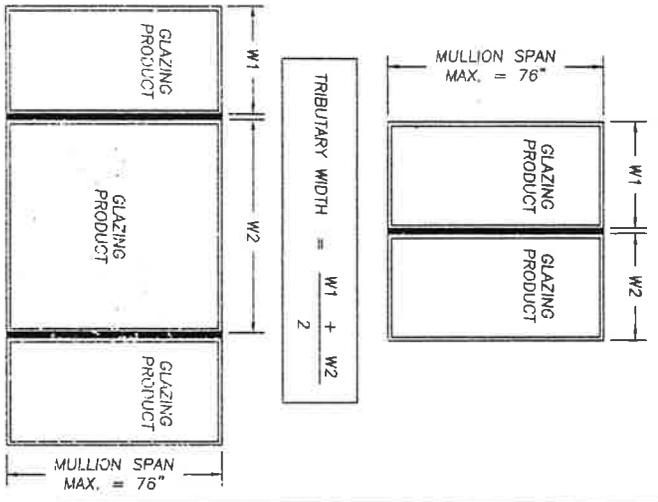
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**Product Approval Accepts:**









SECTION THRU MULLION & FRAME

CONCRETE SCREW ANCHORS	3100 STRUCTURAL MULLION LOAD TABLE (PSF)												
	TRIBUTARY WIDTH												
	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	
7/8"	64.43	60.82	57.29	54.30	51.77	49.46	47.35	45.42	43.65	42.00	40.48	39.08	38.51
1"	70.94	67.37	64.29	61.80	59.28	57.14	55.17	53.33	51.61	49.95	48.24	46.78	45.20
1 1/8"	73.47	69.82	66.67	63.93	61.52	59.31	57.24	55.32	53.52	51.83	50.26	48.78	46.03
1 1/4"	78.18	72.45	69.23	66.44	63.93	61.50	59.44	57.43	55.54	53.76	52.13	50.57	47.72
1 1/2"	79.12	75.29	72.00	69.13	66.49	64.05	61.78	59.67	57.70	55.85	54.12	52.49	49.52
1 3/4"	82.29	78.37	75.00	72.00	69.23	66.67	64.29	62.00	60.00	58.06	56.26	54.55	51.43
2"	85.71	81.70	78.23	75.07	72.16	69.46	66.96	64.63	62.46	60.42	58.52	56.73	53.47
2 1/8"	88.44	85.33	82.43	79.57	76.87	74.29	71.82	69.47	67.24	65.06	62.96	60.90	57.86
2 1/4"	93.51	89.27	85.43	81.91	78.66	75.67	72.89	70.31	67.90	65.66	63.59	61.59	57.89
2 3/8"	97.96	93.51	89.44	85.71	82.29	79.12	76.19	73.47	70.94	68.57	66.39	64.29	60.50
2 1/2"	102.81	98.05	93.66	89.62	85.77	82.85	79.75	76.88	74.20	71.71	69.39	67.19	63.21
2 5/8"	107.07	103.04	98.46	94.27	90.42	86.86	83.60	80.56	77.73	75.10	72.64	70.33	66.13
3"	113.78	108.42	103.55	99.10	95.01	91.25	87.77	84.56	81.58	78.77	76.17	73.73	69.29
3 1/8"	120.00	120.00	114.29	109.08	104.35	100.00	96.00	92.31	88.89	85.71	82.76	80.00	76.47
3 1/4"	120.00	120.00	116.14	110.00	105.45	101.19	97.29	93.62	90.25	87.11	84.16	81.44	78.47
3 1/2"	120.00	120.00	116.56	110.56	105.45	101.19	97.29	93.62	90.25	87.11	84.16	81.44	78.47
3 3/4"	120.00	120.00	117.97	111.97	106.85	102.67	98.50	94.51	90.71	87.09	83.77	80.57	76.05
4"	120.00	120.00	120.00	120.00	115.20	110.77	106.67	102.85	99.31	96.00	92.85	89.87	85.00
4 1/8"	120.00	120.00	120.00	120.00	120.00	120.00	117.73	113.33	108.25	105.45	101.90	98.48	95.48
4 1/4"	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	116.13
4 1/2"	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
4 3/4"	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
5"	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
5 1/8"	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
5 1/4"	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
5 1/2"	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
5 3/4"	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
6"	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

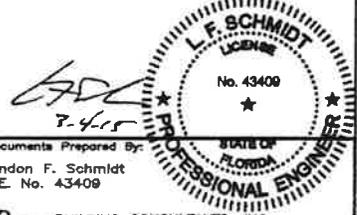
INSTRUCTIONS FOR USE OF THE MULLION LOAD TABLE:

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 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.

FOR ANCHORING GLAZING PRODUCTS TO THE MULLION, 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 PANHEAD SELF-DRILLING SCREWS FOR THE FASTENERS SHOWN IN THE INDIVIDUAL GLAZING PRODUCT APPROVAL. MAXIMUM FASTENER SPACING ALLOWED IS 6" FROM EACH END AND AT 15" O.C. MAX. SPACING.

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 ALSIDE WINDOWS CAN BE USED IN THIS FASHION.



DATE: 12/11/08	SCALE: NTS	DWG. BY: DWS	CHEK. BY: LFS	DRAWING NO.: FL-12078.1	SHEET: 3 OF 4
REVISIONS 2 3/03/15 UPDATE TO 5TH ED. (2014) FBC JK 1 11/08/11 UPDATE TO 2010 FBC KV NO. DATE		PRODUCT: 3100 STRUCTURAL MULLION		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PART OR ASSEMBLY: MULLION LOAD TABLE FOR CONCRETE SCREW ANCHORS		BUILDING CONSULTANTS, INC. P.O. Box 230, Vero, FL 33506 Phone No.: 813.656.9197 FBPE C.A. No. 9813			





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FL #	FL11720-R13								
Application Type	Revision								
Code Version	2014								
Application Status	Approved								
Comments	Archived								
Product Manufacturer Address/Phone/Email	Associated Materials Inc. 3773 State Road Cuyahoga Falls, OH 44223 (330) 922-2108 mfernbaugh@alside.com								
Authorized Signature	Vivian Wright rickw@rwbldgconsultants.com								
Technical Representative Address/Phone/Email									
Quality Assurance Representative Address/Phone/Email									
Category Subcategory	Windows Double Hung								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer ✓ Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	Lyndon F. Schmidt, P.E.								
Florida License	PE-43409								
Quality Assurance Entity	Architectural Testing, Inc.								
Quality Assurance Contract Expiration Date	12/31/2016								
Validated By	Ryan J. King, P.E. ✓ Validation Checklist - Hardcopy Received								
Certificate of Independence	<a href="#">FL11720_R13_COI_CERTIFICATE_of_INDEPENDENCE.pdf</a>								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ANSI/AAMA/NWWDA 101/I.S.2/A440</td> <td>2008</td> </tr> <tr> <td>ASTM E1886</td> <td>2005</td> </tr> <tr> <td>ASTM E1996</td> <td>2005</td> </tr> </tbody> </table>	<u>Standard</u>	<u>Year</u>	ANSI/AAMA/NWWDA 101/I.S.2/A440	2008	ASTM E1886	2005	ASTM E1996	2005
<u>Standard</u>	<u>Year</u>								
ANSI/AAMA/NWWDA 101/I.S.2/A440	2008								
ASTM E1886	2005								
ASTM E1996	2005								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method

Method 1 Option D

Date Submitted

04/14/2015

Date Validated

04/26/2015

Date Pending FBC Approval

04/29/2015

Date Approved

06/22/2015

**Summary of Products**

FL #	Model, Number or Name	Description
11720.1	a. Model 0201	Extruded Vinyl Double Hung Window "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.1.pdf</a> Created by Independent Third Party: Yes
11720.2	b. Model 0301	Extruded Vinyl Double Hung Window with Nail Fin - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.2.pdf</a> Created by Independent Third Party: Yes
11720.3	c. Model 0401	Extruded Vinyl Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_Product Offering .pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_Product Offering .pdf</a> Created by Independent Third Party: Yes
11720.4	d. Model 0501	Extruded Vinyl Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.4.pdf</a> Created by Independent Third Party: Yes
11720.5	e. Model 0501 HP	Extruded Vinyl Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.5.pdf</a> Created by Independent Third Party: Yes
11720.6	f. Model O601/O601HP	Extruded Vinyl Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.6 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.6.pdf</a> Created by Independent Third Party: Yes

11720.7	g. Model 8001	Extruded Vinyl Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.7 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.7.pdf</a> Created by Independent Third Party: Yes
11720.8	h. Model 9001	Extruded Vinyl Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.8 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.8.pdf</a> Created by Independent Third Party: Yes
11720.9	i. Model "i" 201 / "i" 201HP	Extruded Vinyl "Tilt" Double Hung Window - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.9.pdf</a> Created by Independent Third Party: Yes
11720.10	j. Model "i" 201	Extruded Vinyl "Tilt" Double Hung Window - "Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.10.pdf</a> Created by Independent Third Party: Yes
11720.11	k. Model V101	Extruded Vinyl Double Hung Window with Nail Fin - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.11.pdf</a> Created by Independent Third Party: Yes
11720.12	l. Model V121 / V131	Extruded Vinyl Triple Double Hung Window with Integral Mullion and Nail Fin - "Non-Impact"
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.12 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.12.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.12.pdf</a> Created by Independent Third Party: Yes
11720.13	m. Model 3001 / 3B01 / 3A01 / 3AB1	Extruded Vinyl Double Hung Window - "Non-Impact" utilizing the "Sm-Sm" Sash
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 11720.13 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL11720_R13_II_INST_11720.13.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL11720_R13_AE_EVAL_11720.13.pdf</a> Created by Independent Third Party: Yes
11720.14	n. Model 3001 / 3B01 / 3A01 / 3AB1	Extruded Vinyl Double Hung Window - "Non-Impact" utilizing the "Sm-Med" Sash
<b>Limits of Use</b>		<b>Installation Instructions</b>

	<p><b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> N/A  <b>Other:</b> See INST 11720.14 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p>	<p><a href="#">FL11720_R13_II_INST_11720.14.pdf</a>                  Verified By: Lyndon F. Schmidt, P.E. 43409                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL11720_R13_AE_EVAL_11720.14.pdf</a>                  Created by Independent Third Party: Yes</p>
<p>11720.15</p>	<p>o. Model "i" 301 / "j" 301HP</p>	<p>Extruded Vinyl "Tilt" Double Hung Window - "Non-Impact"</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> N/A  <b>Other:</b> See INST 11720.15 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p> <p><b>Installation Instructions</b>  <a href="#">FL11720_R13_II_INST_11720.15.pdf</a>                  Verified By: Lyndon F. Schmidt, P.E. 43409                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL11720_R13_AE_EVAL_11720.15.pdf</a>                  Created by Independent Third Party: Yes</p>
<p>11720.16</p>	<p>p. Model "i" 301</p>	<p>Extruded Vinyl Double Hung Window with Nail Fin - "Impact"</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> Yes  <b>Design Pressure:</b> N/A  <b>Other:</b> See INST 11720.16 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p> <p><b>Installation Instructions</b>  <a href="#">FL11720_R13_II_INST_11720.16.pdf</a>                  Verified By: Lyndon F. Schmidt, P.E. 43409                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL11720_R13_AE_EVAL_11720.16.pdf</a>                  Created by Independent Third Party: Yes</p>
<p>11720.17</p>	<p>q. Model 0601 HP</p>	<p>Extruded Vinyl Double Hung Window - "Non-Impact"</p> <p><b>Limits of Use</b>  <b>Approved for use in HVHZ:</b> No  <b>Approved for use outside HVHZ:</b> Yes  <b>Impact Resistant:</b> No  <b>Design Pressure:</b> N/A  <b>Other:</b> See INST 11720.17 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.</p> <p><b>Installation Instructions</b>  <a href="#">FL11720_R13_II_INST_11720.17.pdf</a>                  Verified By: Lyndon F. Schmidt, P.E. 43409                  Created by Independent Third Party: Yes  <b>Evaluation Reports</b>  <a href="#">FL11720_R13_AE_EVAL_11720.17.pdf</a>                  Created by Independent Third Party: Yes</p>

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

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Product Approval Accepts:



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

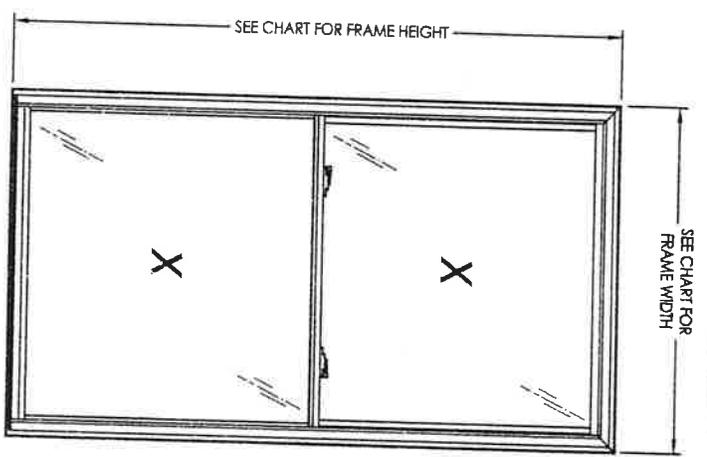
**MODEL 3001/3B01/3A01/3AB1**  
**EXTRUDED VINYL**  
**DOUBLE HUNG WINDOW**  
**"Sm-Sm" Sash**  
**"NON-IMPACT"**

**GENERAL NOTES**

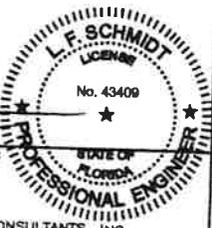
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

**TABLE OF CONTENTS**

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



OVERALL FRAME DIMENSION	MAX. D.L.O. (TOP)	MAX. D.L.O. (BOTTOM)	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
36.0" X 60.0"	29.12" X 25.75"	30.12" X 26.75"	G1	+50.0	-60.0
36.0" X 72.0"	29.12" X 31.75"	30.12" X 32.75"	G1	+50.0	-55.0
36.0" X 78.0"	29.12" X 34.75"	30.12" X 35.75"	G1	+45.0	-45.0
44.0" X 75.0"	37.12" X 33.25"	38.12" X 34.25"	G1	+35.0	-35.0
52.0" X 62.0"	45.12" X 26.75"	46.12" X 27.75"	G1	+35.0	-35.0
48.0" X 64.0"	41.12" X 37.75"	42.12" X 38.75"	G1	+30.0	-30.0
44.0" X 96.0"	37.12" X 43.75"	38.12" X 44.75"	G1	+25.0	-25.0
52.0" X 96.0"	45.12" X 43.75"	46.12" X 44.75"	G1	+20.0	-20.0

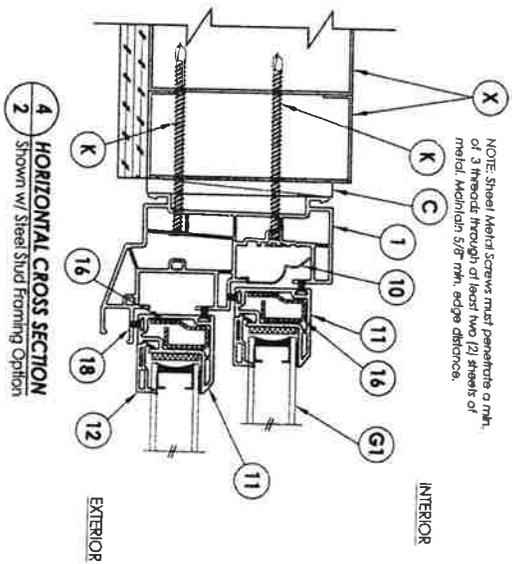
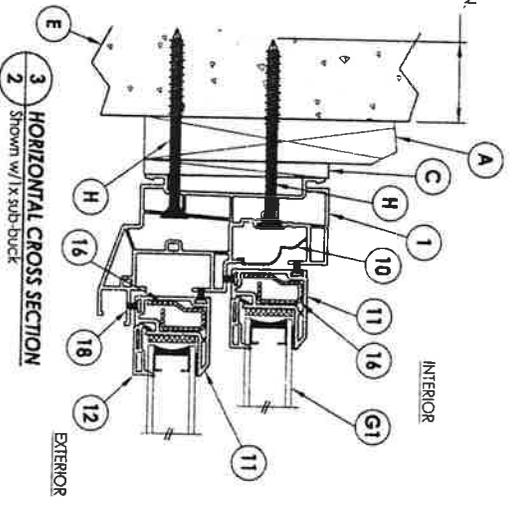
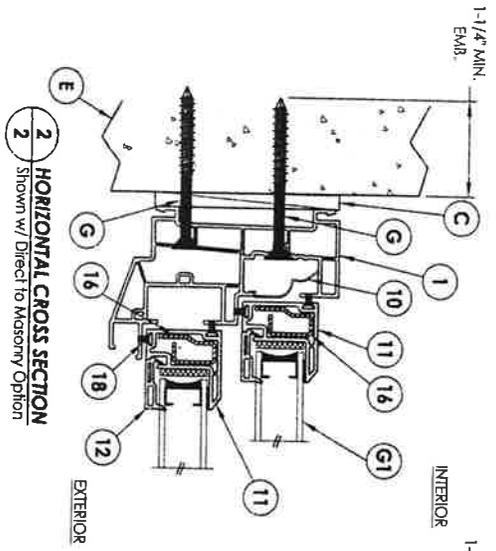
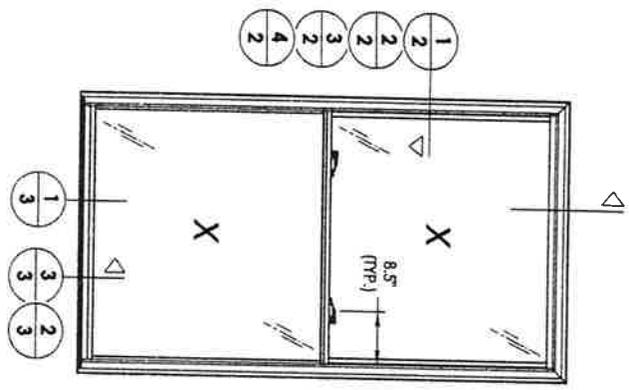


Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409  
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 Phone No.: 813.659.0197  
 FBPE C.A. No. 9813

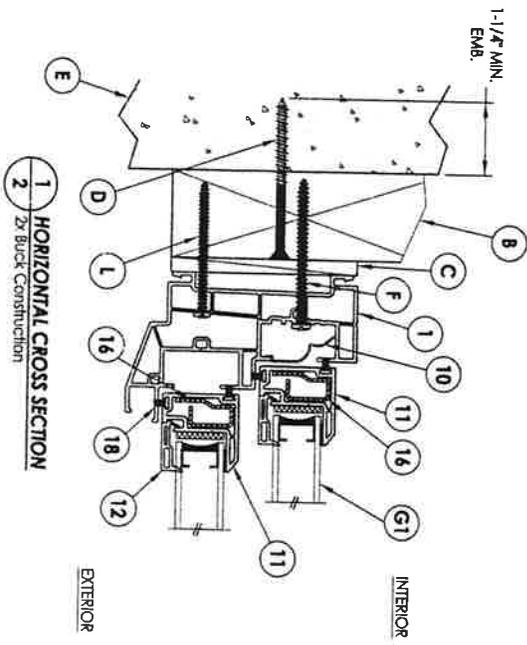
PRODUCT: DOUBLE HUNG WINDOW  
 PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
4	2/25/15	UPDATE TO 5TH ED. (2014) FBC
3	7/3/14	UPDATED DESIGN PRESSURES
2	4/21/14	UPDATED DESIGN PRESSURES
1	1/23/14	ADD FRAME SIZES

DATE: 11/12/13  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-11720.13  
 SHEET 1 OF 5



NOTE: Steel Metal Screws must penetrate a min. of 3 inches from edge of best two (2) sheets of metal. Minimum 5/8 inch edge distance.

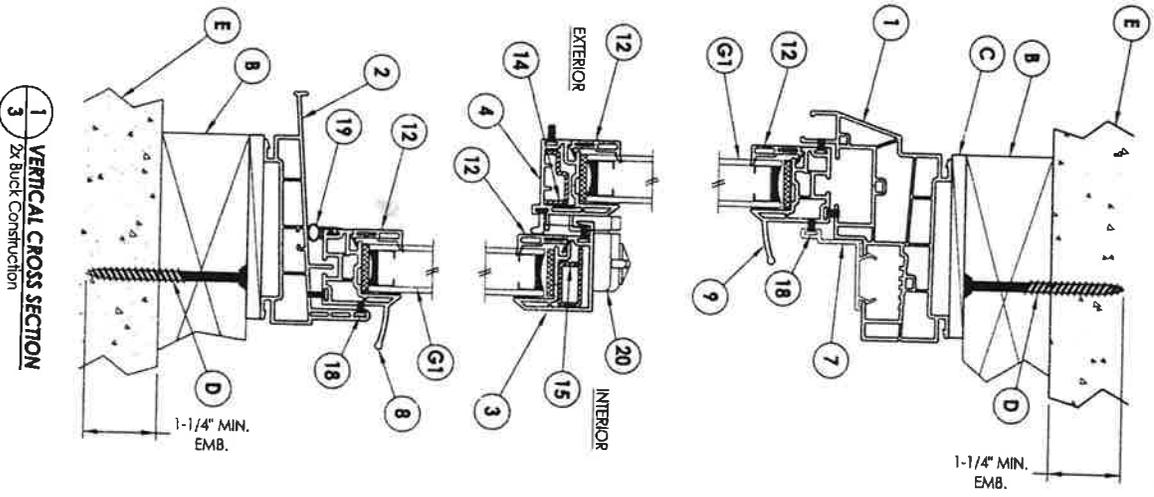
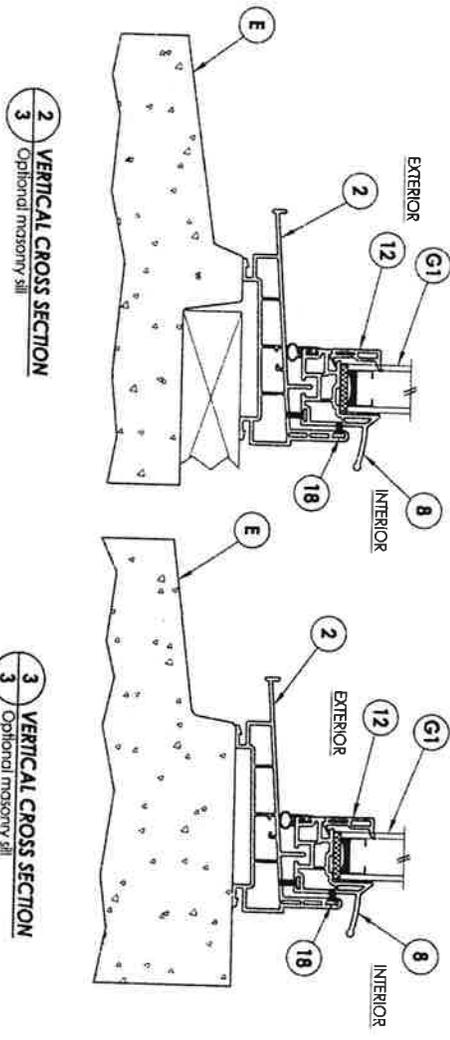


Documents Prepared By:  
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 P.E. No. 43409  
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 P.O. Box 230, Valrico, FL 33505  
 Phone No.: 813.859.9197  
 FBPE C.A. No. 9813

REVISIONS	
NO.	DATE
4	2/25/15
3	7/3/14
2	4/21/14
1	1/23/14

PRODUCT: DOUBLE HUNG WINDOW  
 PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

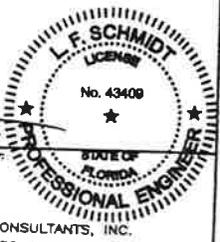
DATE: 11/12/13  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-11720.13  
 SHEET 2 OF 5



REVISIONS		NO.	DATE	BY
4	2/25/15	JK	UPDATE TO 5TH ED. (2014) FPC	JK
3	7/3/14	LFS	UPDATED DESIGN PRESSURES	LFS
2	4/21/14	LFS	UPDATED DESIGN PRESSURES	LFS
1	1/23/14	LFS	ADDED FRAME SIZES	LFS

PRODUCT: DOUBLE HUNG WINDOW  
 PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

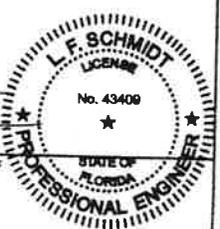
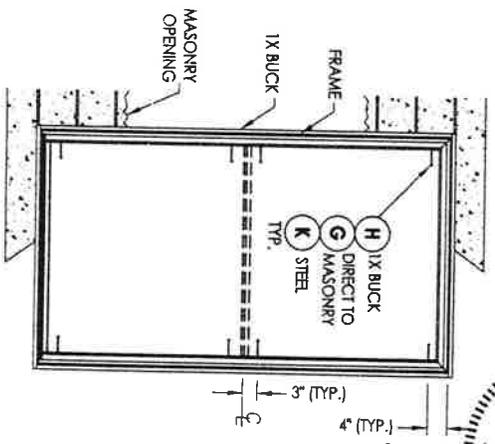
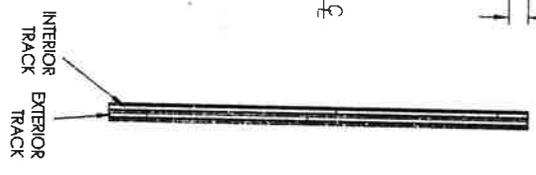
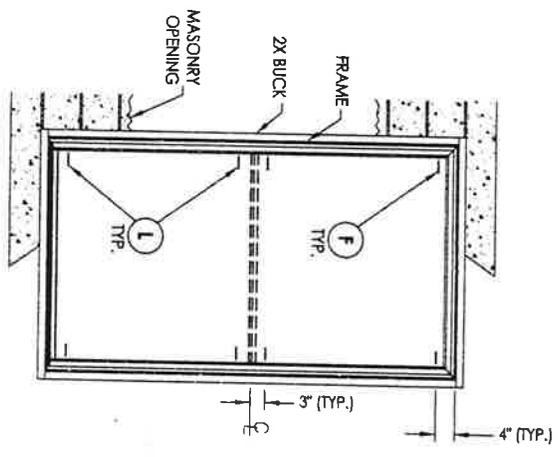
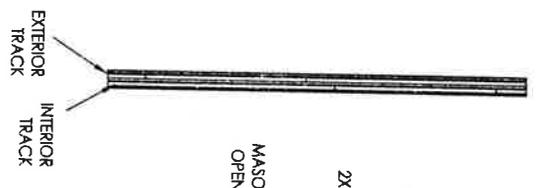
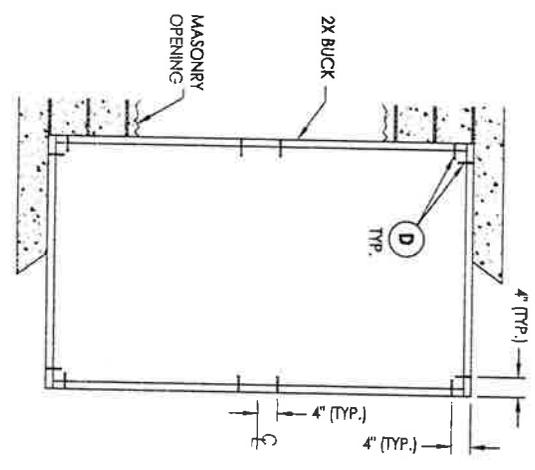
Documents Prepared By: Lyndon F. Schmidt  
 P.E. No. 43409  
 BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE C.A. No. 9813



- CONCRETE ANCHOR NOTES:**
- Concrete anchor locations of the corners may be adjusted to maintain the min. edge distance to mortar joints.
  - Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
  - Concrete anchor table:

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

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



NO.	DATE	REVISIONS	BY
4	2/25/15	UPDATE TO 5TH ED. (2014) FBC	JK
3	7/3/14	UPDATED DESIGN PRESSURES	LFS
2	4/21/14	UPDATED DESIGN PRESSURES	LFS
1	1/23/14	ADDED FRAME SIZES	LFS

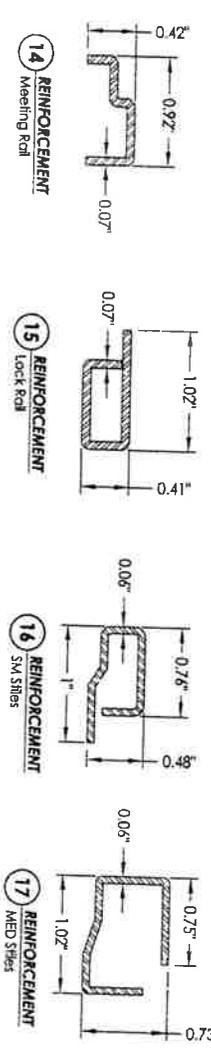
PRODUCT: DOUBLE HUNG WINDOW  
PART OR ASSEMBLY: BUCK & FRAME ANCHORING

Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409  
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Phone No.: 813.659.9197  
FBPE C.A. No. 9813

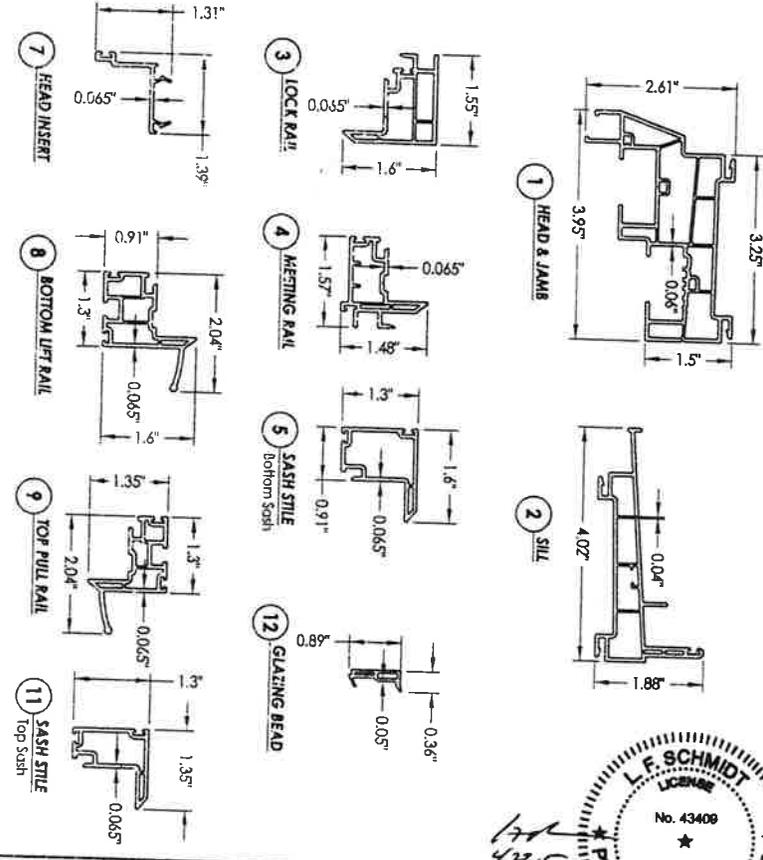
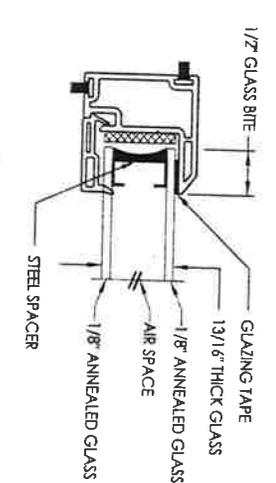
**BILL OF MATERIALS**

ITEM #	DESCRIPTION	MATERIAL
A	1X BLOCK SG >= 0.42	WOOD
B	2X BLOCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	WOOD
D	1/4" X 2-3/4" PPH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PPH WOOD SCREW	STEEL
G	1/4" X 2-3/4" PPH ELCO OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" PPH ELCO OR ITW CONCRETE SCREW	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
L	#10 X 2-1/4" PPH WOOD SCREW	STEEL
X	STEEL STUD Min. THK. .035" (ASTM A653 GRADE 33 Fy=33 KSI Min., Fu=45 KSI Min)	STEEL
1	EXTRUDED VINYL HEAD AND JAMB *	RIGID PVC
2	EXTRUDED VINYL SILL *	RIGID PVC
3	EXTRUDED VINYL LOCK RAIL *	RIGID PVC
4	EXTRUDED VINYL MEETING RAIL *	RIGID PVC
5	EXTRUDED VINYL SASH STILE* (BOTTOM SASH)	RIGID PVC
7	EXTRUDED VINYL HEAD INSERT *	RIGID PVC
8	EXTRUDED VINYL BOTTOM LIFT RAIL *	RIGID PVC
9	EXTRUDED VINYL TCF PULL RAIL *	RIGID PVC
10	BALANCE COVER	RIGID PVC
11	EXTRUDED VINYL SASH STILE* (TOP SASH)	RIGID PVC
12	GLAZING BEAD*	RIGID PVC
14	REINFORCEMENT - MEETING RAIL	STEEL
15	REINFORCEMENT - LOCK RAIL	STEEL
16	REINFORCEMENT - SM. STILE	STEEL
17	REINFORCEMENT - MED. STILE	STEEL
18	WEATHERSTRIP (FIN PILE)	STEEL
19	WEATHERSTRIP (VINYL BULB)	STEEL
20	CAM LOCK	STEEL

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



**G1** GLAZING DETAIL

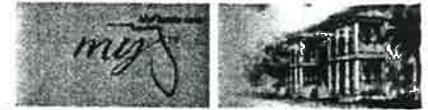


Documents Prepared By:  
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 P.E. No. 43409  
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 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.659.9197  
 FBPE C.A. No. 9813

NO.	DATE	REVISIONS	BY
4	2/25/15	UPDATE TO 5TH ED. (2014) FBC	JK
3	7/3/14	UPDATED DESIGN PRESSURES	LFS
2	4/21/14	UPDATED DESIGN PRESSURES	LFS
1	1/23/14	ADDED FRAME SIZES	LFS

PRODUCT: DOUBLE HUNG WINDOW  
 PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL

DATE: 11/12/13  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-11720.14  
 SHEET: 5 OF 5



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OFFICE OF THE SECRETARY

FL #	FL9909-R10										
Application Type	Revision										
Code Version	2014										
Application Status	Approved										
Comments											
Archived	<input type="checkbox"/>										
Product Manufacturer	Associated Materials Inc.										
Address/Phone/Email	3773 State Road Cuyahoga Falls, OH 44223 (330) 922-2108 mfernbaugh@alside.com										
Authorized Signature	Marsh Fernbaugh mfernbaugh@alside.com										
Technical Representative											
Address/Phone/Email											
Quality Assurance Representative											
Address/Phone/Email											
Category	Windows										
Subcategory	Fixed										
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input checked="" type="checkbox"/> Evaluation Report - Hardcopy Received										
Florida Engineer or Architect Name who developed the Evaluation Report	Lyndon F. Schmidt, P.E.										
Florida License	PE-43409										
Quality Assurance Entity	Architectural Testing, Inc.										
Quality Assurance Contract Expiration Date	12/31/2016										
Validated By	Ryan J. King, P.E. <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received										
Certificate of Independence	<a href="#">FL9909_R10_COI_Certificate Of Independence.pdf</a>										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><b>Standard</b></th> <th><b>Year</b></th> </tr> </thead> <tbody> <tr> <td>AAMA/WDMA/CSA101/I.S.2/A440</td> <td>2005</td> </tr> <tr> <td>AAMA/WDMA/CSA101/I.S.2/A440</td> <td>2008</td> </tr> <tr> <td>ASTM E1886</td> <td>2002</td> </tr> <tr> <td>ASTM E1996</td> <td>2002</td> </tr> </tbody> </table>	<b>Standard</b>	<b>Year</b>	AAMA/WDMA/CSA101/I.S.2/A440	2005	AAMA/WDMA/CSA101/I.S.2/A440	2008	ASTM E1886	2002	ASTM E1996	2002
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AAMA/WDMA/CSA101/I.S.2/A440	2005										
AAMA/WDMA/CSA101/I.S.2/A440	2008										
ASTM E1886	2002										
ASTM E1996	2002										
Equivalence of Product Standards Certified By											
Sections from the Code											

Product Approval Method

Method 1 Option D

Date Submitted

04/30/2015

Date Validated

04/30/2015

Date Pending FBC Approval

05/10/2015

Date Approved

06/23/2015

**Summary of Products**

Go to Page



Page 1 / 2

FL #	Model, Number or Name	Description
9909.1	a. Model 0104	Extruded PVC "Non-Impact" Fixed Window with Nailing Fin
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.1 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.1.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.1.pdf</a> Created by Independent Third Party: Yes
9909.2	b. Model 0170	Extruded PVC "Non-Impact" Fixed Window with Nailing Fin
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.2 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.2.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.2.pdf</a> Created by Independent Third Party: Yes
9909.3	c. Model 0204	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.3 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.3.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.3.pdf</a> Created by Independent Third Party: Yes
9909.4	d. Model 02A4	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.4 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.4.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.4.pdf</a> Created by Independent Third Party: Yes
9909.5	e. Model 0404	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.5 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.5.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.5.pdf</a> Created by Independent Third Party: Yes
9909.6	f. Model 0504	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.6 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.6.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.6.pdf</a> Created by Independent Third Party: Yes

9909.7	g. Model 0604	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.7 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.7.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.7.pdf</a> Created by Independent Third Party: Yes
9909.8	h. Model 0614	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.8 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.8.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.8.pdf</a> Created by Independent Third Party: Yes
9909.9	i. Model 0704	Extruded PVC "Non-Impact" Fixed Window with Nailing Fin
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.9 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.9.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.9.pdf</a> Created by Independent Third Party: Yes
9909.10	j. Model 0970	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.10 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.10.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.10.pdf</a> Created by Independent Third Party: Yes
9909.11	k. Model 8014	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.11 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.11.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.11.pdf</a> Created by Independent Third Party: Yes
9909.12	l. Model 9014	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.12 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.12.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.12.pdf</a> Created by Independent Third Party: Yes
9909.13	m. Model 3104	Extruded PVC "Non-Impact" Fixed Window
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.13 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.13.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.13.pdf</a> Created by Independent Third Party: Yes
9909.14	n. Model 3104	Extruded PVC "Non-Impact" Fixed Window with Nailing Fin
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No		<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.14.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes

	<b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.14 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.14.pdf</a> Created by Independent Third Party: Yes
9909.15	o. Model 3104	Extruded PVC "Impact" Fixed Window
	<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.15 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.15.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.15.pdf</a> Created by Independent Third Party: Yes
9909.16	p. Model 3104	Extruded PVC "Impact" Fixed Window with Nailing Fin
	<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.16 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.16.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.16.pdf</a> Created by Independent Third Party: Yes
9909.17	q. Model "i" 204	Extruded PVC "Non-Impact" Fixed Window
	<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.17 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.17.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.17.pdf</a> Created by Independent Third Party: Yes
9909.18	r. Model "i" 204	Extruded PVC "Impact" Fixed Window
	<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.18 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.18.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.18.pdf</a> Created by Independent Third Party: Yes
9909.19	s. Model "i" 970	Extruded PVC "Non-Impact" Fixed Window
	<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.19 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.19.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.19.pdf</a> Created by Independent Third Party: Yes
9909.20	t. Model "i" 970	Extruded PVC "Impact" Fixed Window
	<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> See INST 9909.20 for Design Pressure Ratings, any additional use limitations, installation instructions and product particulars.	<b>Installation Instructions</b> <a href="#">FL9909_R10_II_Inst_9909.20.pdf</a> Verified By: Lyndon F. Schmidt, P.E. 43409 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL9909_R10_AE_Eval_9909.20.pdf</a> Created by Independent Third Party: Yes

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personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

**Product Approval Accepts:**



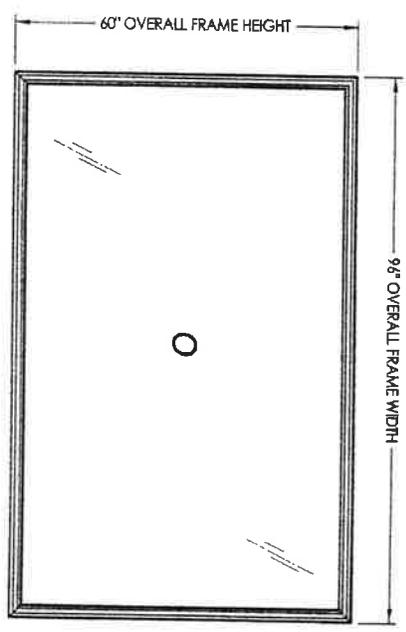
**ASSOCIATED MATERIALS**  
 I N C O R P O R A T E D  
 3773 STATE ROAD  
 CUYAHOGA FALLS, OH 44223

**MODEL 0970  
 PVC FIXED WINDOW  
 "NON-IMPACT"**

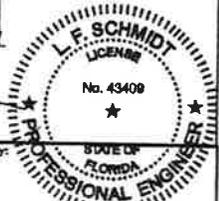
**GENERAL NOTES**

1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an Impact resistant covering that complies with Section 1609.1.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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



OVERALL FRAME DIMENSION	OVERALL DAY LIGHT DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POS.	NEG.
96.00" X 60.00"	90.45" X 54.45"	G1	+35.0	-35.0
84.00" X 72.00"	78.45" X 66.45"	G1	+25.0	-25.0
72.00" X 60.00"	66.45" X 54.45"		+30.0	-30.0
60.00" X 60.00"	54.45" X 54.45"	G2	+40.0	-40.0
72.00" X 48.00"	66.45" X 42.45"		+45.0	-45.0

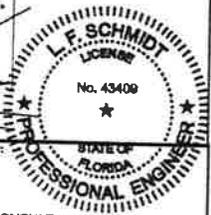
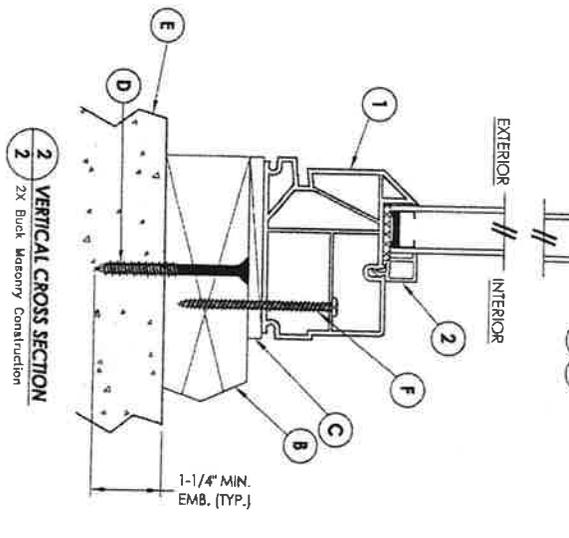
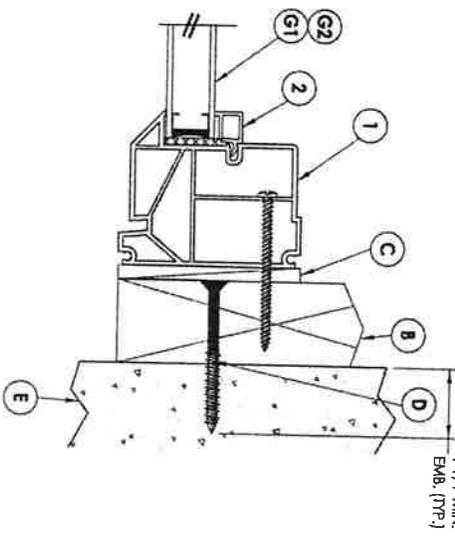
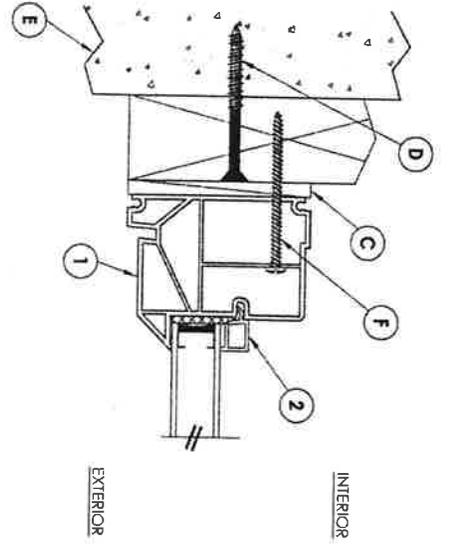
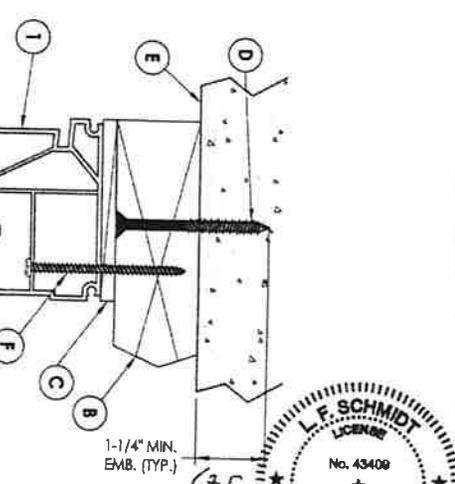
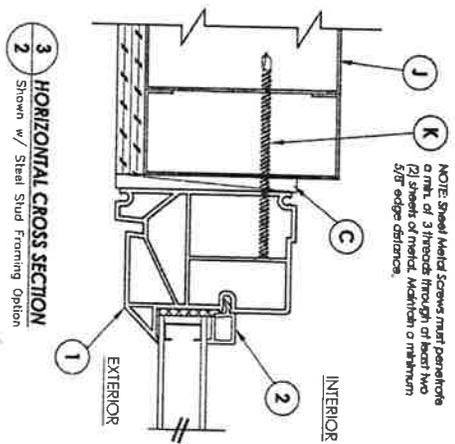
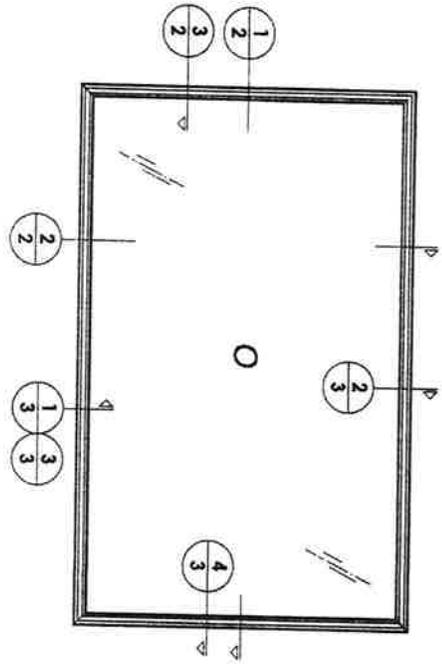


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 Phone No.: 813.659.9197  
 FBPE C.A. No. 9813

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

NO.	DATE	REVISIONS	BY
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
2	11/08/11	UPDATE TO 2010 FBC	KV
1	8/09/10	REVISED GLAZING AND D.P. TABLE	JK

DATE: 12/03/08  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-9909.10  
 SHEET 1 OF 5

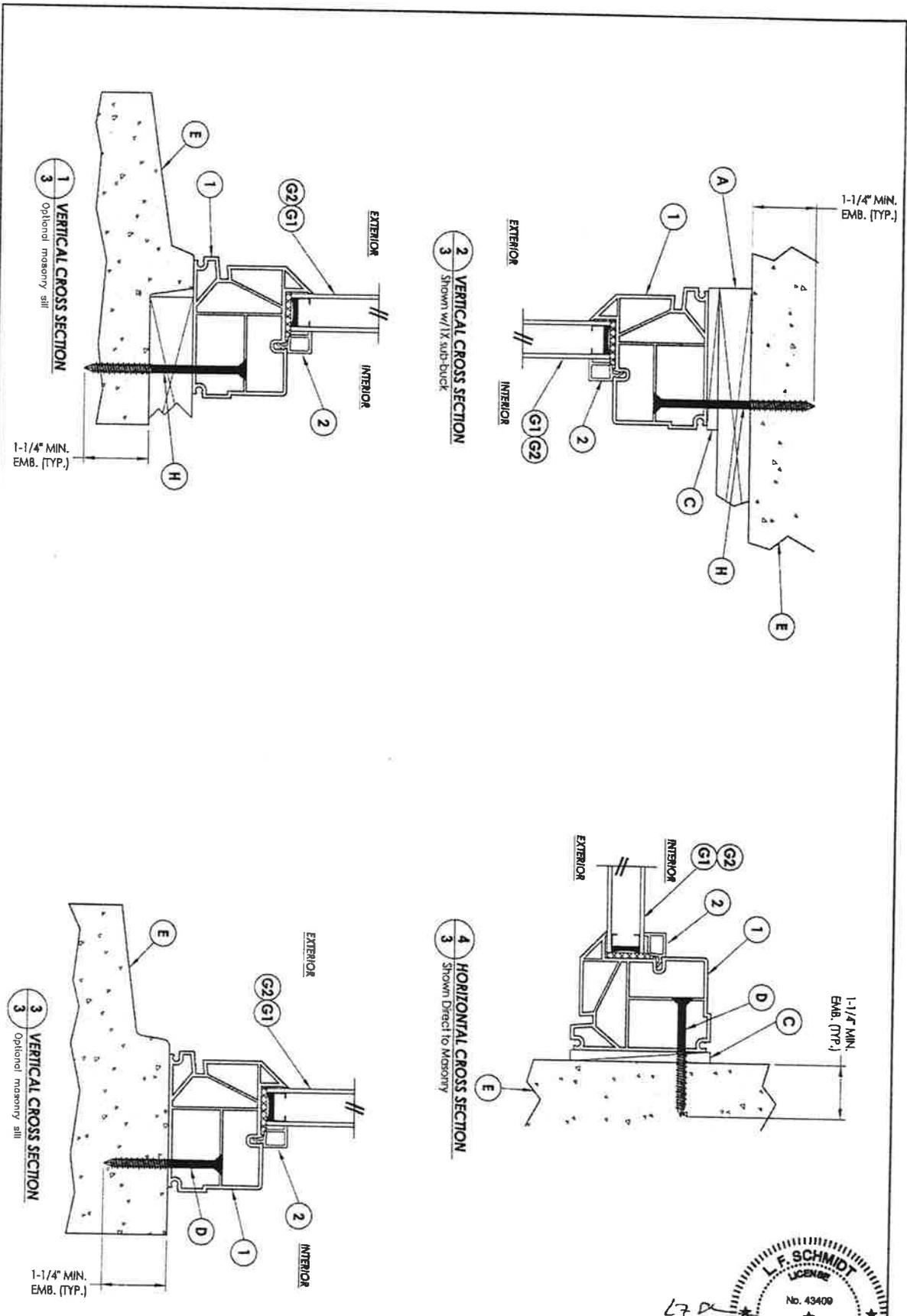


Documents Prepared by:  
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 Phone No.: 813.659.9197  
 FBPE C.A. No. 9813

PRODUCT:  
 FIXED WINDOW  
 PART OR ASSEMBLY:  
 VERTICAL & HORIZONTAL  
 CROSS SECTIONS

REVISIONS			
NO.	DATE	DESCRIPTION	BY
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
2	11/08/11	UPDATE TO 2010 FBC	KV
1	8/09/10	REVISED GLAZING AND D.P. TABLE	JK
NO.	DATE		

DATE: 12/03/08  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.: FL-9909.10  
 SHEET 2 OF 5



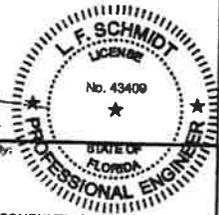
DATE:	12/03/08
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-9909.10
SHEET:	3 OF 5

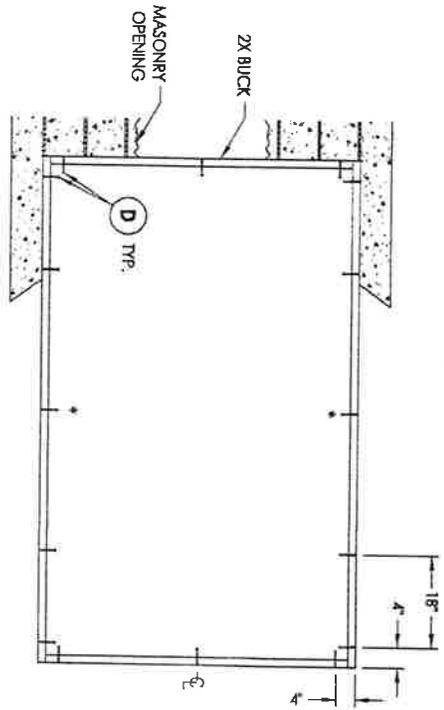
NO.	DATE	REVISIONS	BY
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
2	11/08/11	UPDATE TO 2010 FBC	KV
1	8/30/10	REVISED GLAZING AND U.P. TABLE	JK

PRODUCT:	FIXED WINDOW
PART OR ASSEMBLY:	VERTICAL & HORIZONTAL CROSS SECTIONS

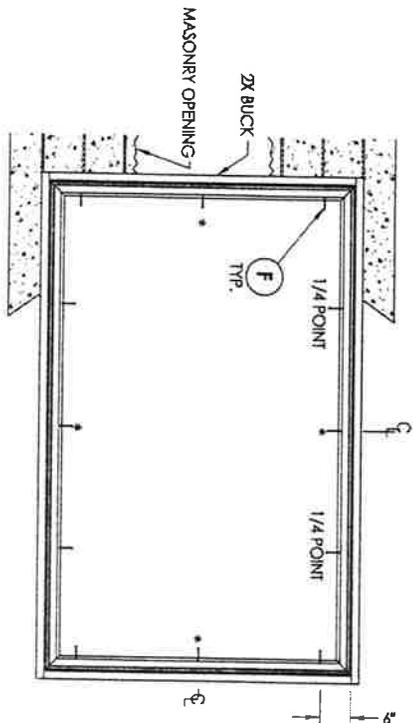
Documents Prepared By:  
 Lyndon F. Schmidt  
 P.E. No. 43409

*RW* BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.859.9197  
 FBPE C.A. No. 9813





**BUCK ANCHORING**  
(2X Buck)  
\* Add anchor for width > 58"

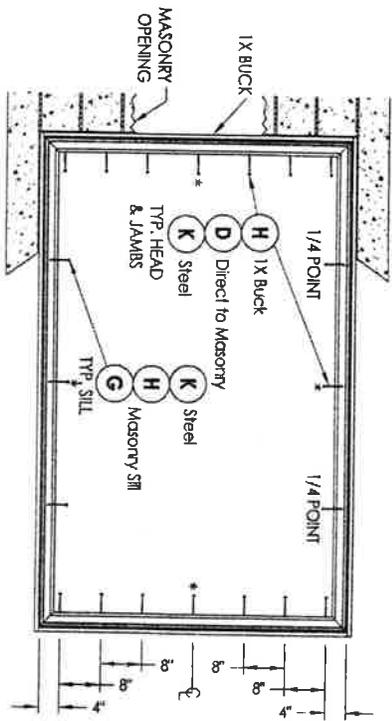


**FRAME ANCHORING**  
(2X Buck)  
\* Add anchor for height > 48" and for width > 60"

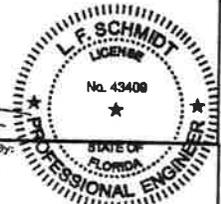
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW	1/4"	1-1/4"	2"	4"
TARCON®	1/4"	1-1/4"	2"	4"
ULTRACON®	1/4"	1-1/4"	1"	4"

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

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



**FRAME ANCHORING**  
(1X Buck Direct to Masonry, Steel Stud)  
\* Add anchor for height > 54" and for width > 60"



Documents Prepared By:  
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F&PE C.A. No. 9813

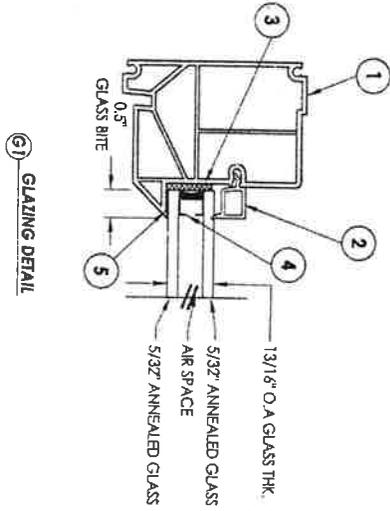
PRODUCT:  
FIXED WINDOW  
PART OR ASSEMBLY:  
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS	BY
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
2	11/08/11	UPDATE TO 2010 FBC	XV
1	8/09/10	REVISED GLAZING AND D.P. TABLE	JK

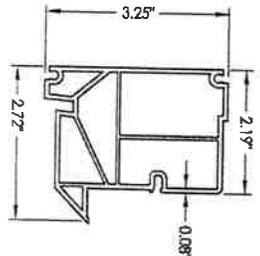
DATE: 12/03/08  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-9909.10  
SHEET 4 OF 5

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	STEEL
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	
D	1/4" X 2-3/4" PPH ELCO OR TIV CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-3/4" PPH SMS	STEEL
H	1/4" X 3-3/4" PPH ELCO OR TIV CONCRETE SCREW	STEEL
J	STEEL STUD MIN. THK. .033" (ASTM A653 GRADE 53 Fy=53 ksi min., Fu=45 ksi min.)	STEEL
K	#10 PPH SELF-DRILLING SMS	STEEL
1	EXTRUDED VINYL FRAME *	RIGID PVC
2	EXTRUDED VINYL GLAZING BEAD *	RIGID PVC
3	GLASS SETTING BLOCK	RIGID PVC
4	GLAZING SPACER	STEEL
5	GLAZING TAPE - DOUBLE SIDE ADHESIVE	

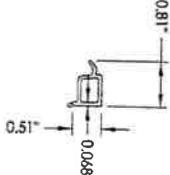
\* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



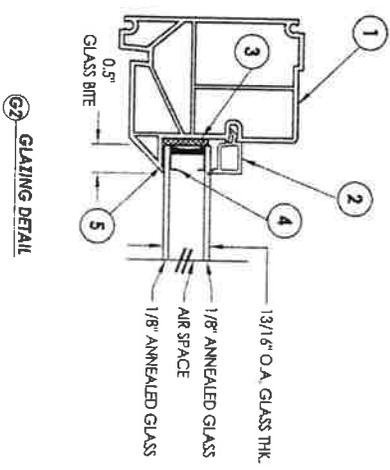
G1 GLAZING DETAIL



1 FRAME



2 GLAZING BEAD



G2 GLAZING DETAIL

PRODUCT:		FIXED WINDOW	
PART OR ASSEMBLY:		BILL OF MATERIALS, GLAZING DETAILS & COMPONENTS	
NO.	DATE	BY	
3	1/27/15	JK	UPDATE TO 5TH ED. (2014) FBC
2	11/08/11	KV	UPDATE TO 2010 FBC
1	8/09/10	JK	REVISED GLAZING AND O.P. TABLE
REVISIONS			

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

*RW* BUILDING CONSULTANTS, INC.  
 P.O. Box 230, Valrico, FL 33595  
 Phone No.: 813.869.9197  
 FBPE C.A. No. 9813





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**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 #	FL251-R25
Application Type	Revision
Code Version	2014
Application Status	Validated
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
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)	<b>Standard</b> TAS 201, 202, 203
	<b>Year</b> 1994
Equivalence of Product Standards Certified By	
Product Approval Method	Method 1 Option A

Date Submitted 08/03/2015  
 Date Validated 08/03/2015

Summary of Products		
FL #	Model, Number or Name	Description
251.1	SGD - 670 (Non-Impact)	Aluminum Sliding Glass Door
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_14-0123.11.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/07/2020 <b>Installation Instructions</b> <a href="#">FL251_R25_II_14-0123.11.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.2	SGD - 670HP (Non-Impact)	Aluminum Sliding Glass Door
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0106.07_HP.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 03/24/2020 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0106.07_HP.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.3	SGD - 770 (Large Missile Impact)	WinGuard Aluminum Sliding Glass Door
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_14-0128.11_Door.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 02/17/2020 <b>Installation Instructions</b> <a href="#">FL251_R25_II_14-0128.11_Door.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.4	SGD - 770HP (Large Missile Impact)	WinGuard Aluminum Sliding Glass Door
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0106.08_HP_LM.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 03/24/2020 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0106.08_HP_LM.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.5	SGD - 770HP (Small Missile Impact)	WinGuard Aluminum Sliding Glass Door
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0106.09_HP_SM.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 03/24/2020 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0106.09_HP_SM.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.6	SGD - 780 (Impact)	WinGuard Aluminum Sliding Glass Door
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: N/A Other: Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0609.12.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/02/2017 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0609.12.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b>

		Created by Independent Third Party:
251.7	SGD-2770 (Large Missile Impact)	Vinyl Sliding Glass Door
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0409.02.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/14/2016 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0409.02.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.8	SGD-5470 (Non-Impact)	Vinyl Sliding Glass Door
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> No <b>Design Pressure:</b> N/A <b>Other:</b> Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0409.04.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/21/2016 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0409.04.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
251.9	SGD-5570 (Large Missile Impact)	Vinyl Sliding Glass Door
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> Yes <b>Design Pressure:</b> N/A <b>Other:</b> Please see Miami-Dade County Notice of Acceptance (NOA) for product performance information, anchorage details, and anchor type, size, and spacing information.		<b>Certification Agency Certificate</b> <a href="#">FL251_R25_C_CAC_15-0409.02.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/14/2016 <b>Installation Instructions</b> <a href="#">FL251_R25_II_15-0409.02.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:

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

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 \*Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public.  
 To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

**Product Approval Accepts:**





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

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 "SGD-670" Aluminum Sliding Glass Doors w/ 90° & 135° corners -NI

**APPROVAL DOCUMENT:** Drawing No. PGT0128 (former PGT0001 Rev C), titled "Series 670 H.P. Alum SGD-Non-Impact", sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 01/30/15, 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. Max eight (8) panels configuration unit is allowed, having max nominal panel size not to exceed tested height & width per tables 1 thru 3. See sheets 6, 7 and 8 for Design Pressures (DP), glass types, Sill type for Positive DP limits, applicable Standard or Heavy Duty parts and anchorage requirements. See sheet 10 for straight configured units and sheet 11 for corner units. Pockets & Egress requirements to be reviewed by Building official.

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

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

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

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

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

This NOA revises & renews NOA # 11-1018.17 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



NOA No. 14-0123.11  
 Expiration Date: April 07, 2020  
 Approval Date: February 19, 2015  
 Page 1

5/12/15

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections
2. Drawing No. **PGT0128** (former **PGT0001 Rev C**), titled "Series 670 H.P. Alum SGD-Non-Impact", sheets 1 through 22 of 22, prepared by manufacturer, dated 02-02-14 and last revised on 01/30/15, signed and sealed by Lynn Miller, P.E.

**B. TESTS**

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 202-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) **FTL-5979, FTL-5980, FTL-5994, FTL-6002, FTL-6034 & FTL-6035**, dated 08/10/09, all signed & sealed by Julio Gonzales, P.E. (All above test reports submitted under files # **11-1018.17/#09-0826.13**)

2. Reference Test reports 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) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94

Along w/ marked-up drawings and installation diagram of Aluminum Sliding Glass Doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No**FTL-7554**, dated 11/01/13, signed & sealed by Marlin D. Brinson, P.E (This file has addendum letter dated 08/14/14 & marked-up drawings dated 08/19/14 and revised interior astragal marked-up Dwgs dated 11-11-13, all issued by Fenestration Testing lab.)

3. Additional reference supporting test # **FTL 5254, FTL 5980, FTL 5987** and **ATI72138.01-401-18**.

**C. CALCULATIONS**

1. Anchor verification and comparative analysis dated 03/18/14, 06/25/14 and last revised on 01/30/15, sheets 1 thru 67, prepared by PGT, signed and sealed by Lynn Miller, P. E.
2. Glazing complies with ASTM E-1300-02, -04 & -09.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

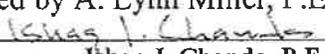
- 1 None.

**F. STATEMENTS**

1. Statement letter dated 06/25/14 of compliance to FBC 2014 (5<sup>th</sup> Edition) 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.

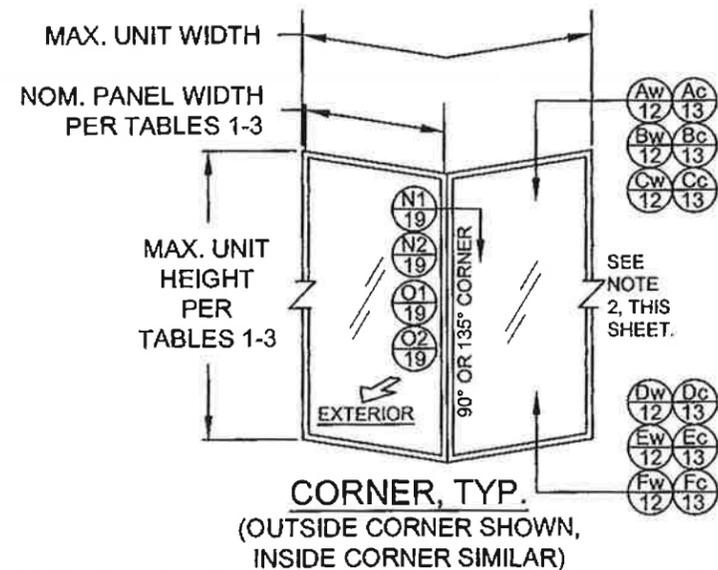
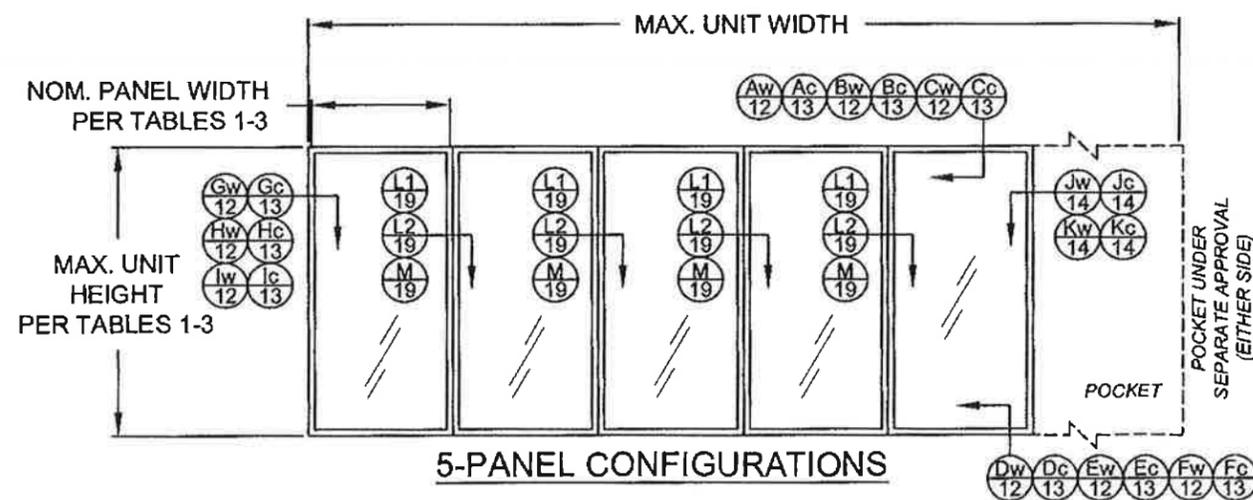
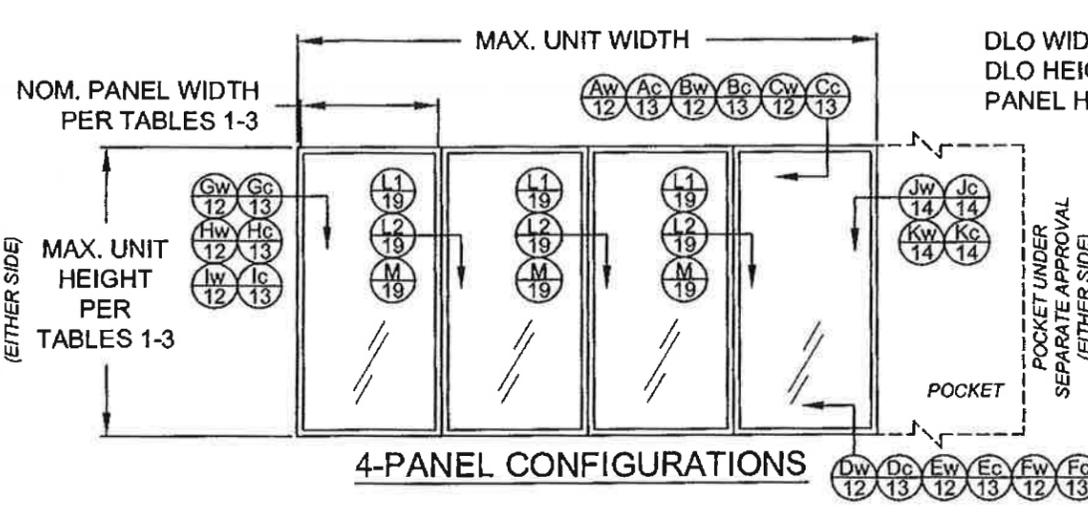
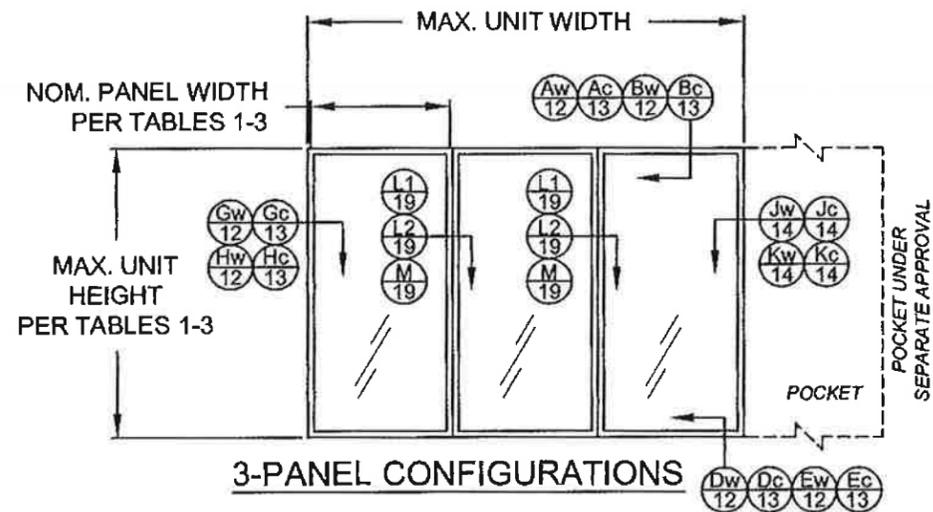
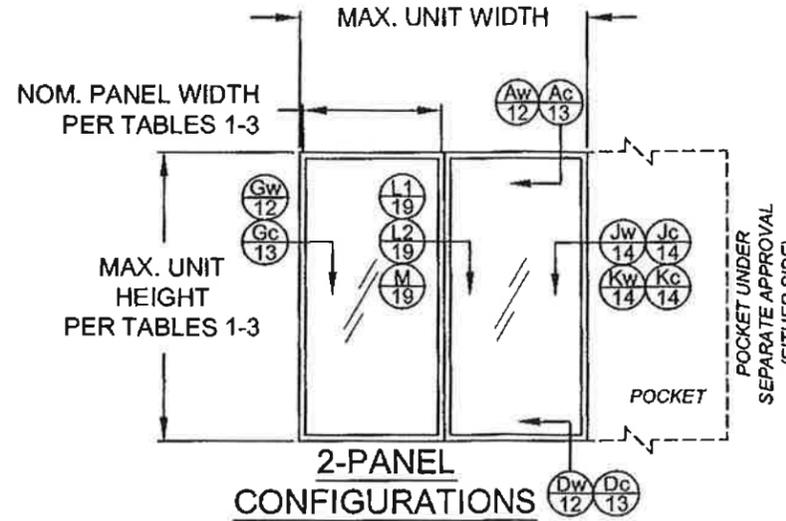
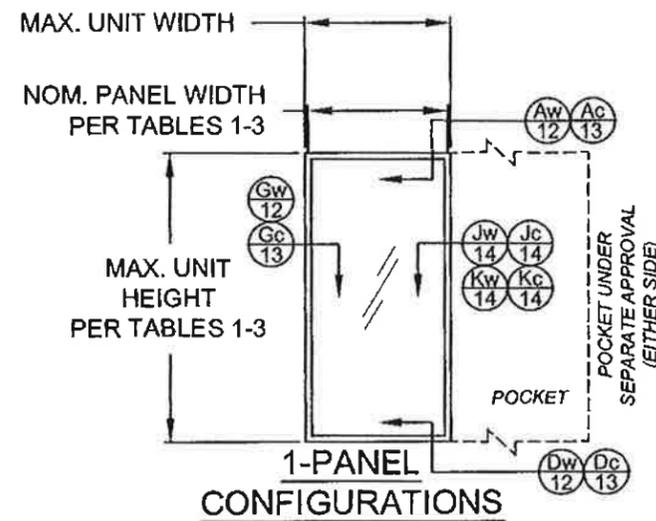
**G. OTHER**

1. This NOA revises & renews # **11-1018.17**, expiring April 07, 2015.
2. AAMA's Technical Paper for SGD & Bi-fold doors referenced to FBC 2014 (5<sup>th</sup> edition).
3. Test proposal dated 6/4/13 & 08/12/13 approved by Jaime Gascon, P.E.
4. Test proposals No(s) **09-0177, 0177-A, B & C** approved by BCCO.
4. Letter of commitment dated February 20, 2014, issued by PGT, signed by A. Lynn Miller, P.E.

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 14-0123.11  
Expiration Date: April 07, 2020  
Approval Date: February 19, 2015



# EXAMPLE CONFIGURATIONS



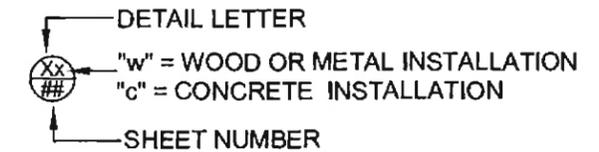
## CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION.  
EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL,  
"O" = INOPERABLE PANEL,  
"p" = POCKET



DLO WIDTH = NOM. PANEL WIDTH - 7"  
DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"  
PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600  
CERT. OF AUTH. #29296

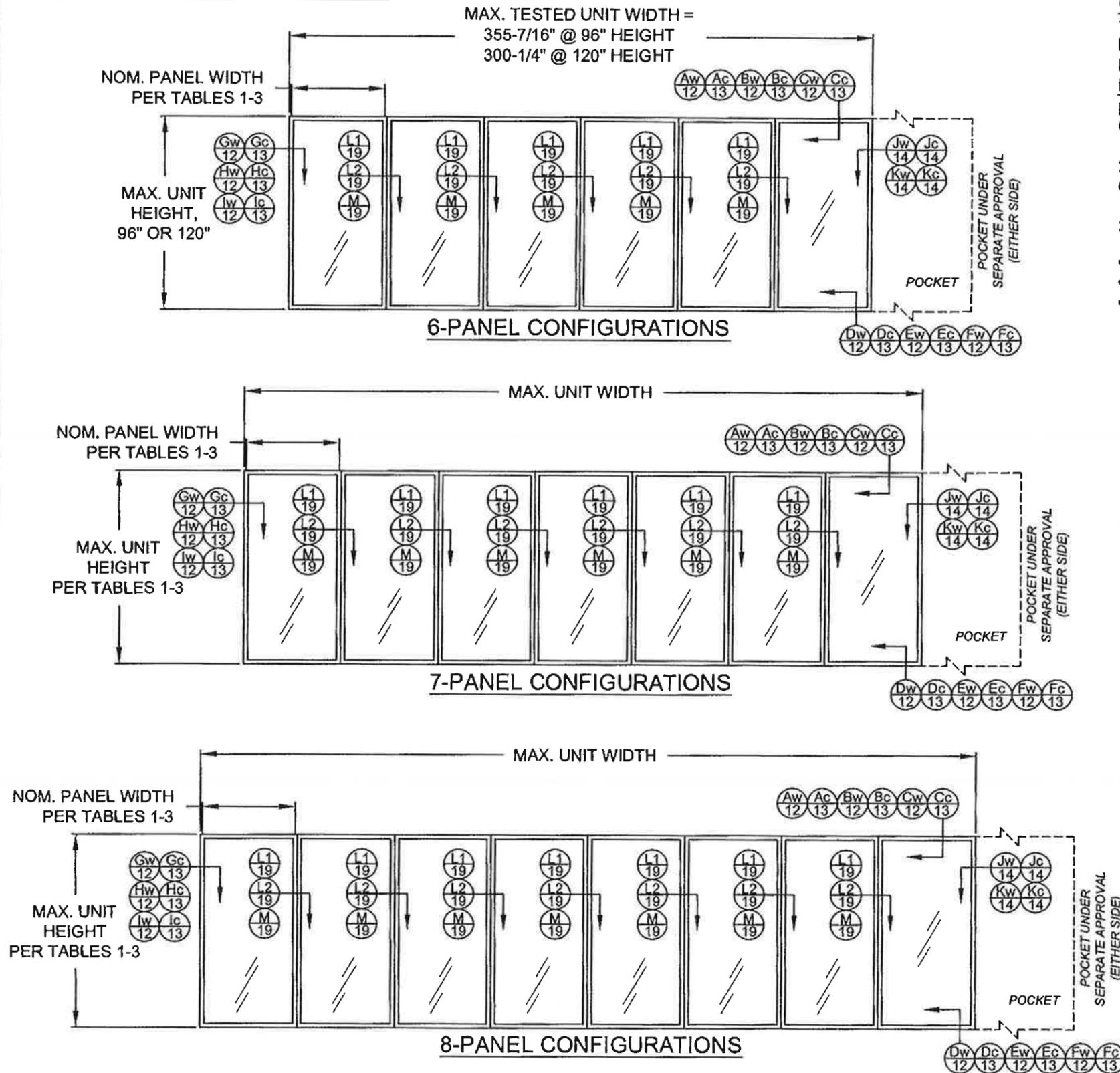


Description:			
EXAMPLE CONFIGURATIONS			
Title:			
SERIES 670 ALUM. SGD - NON-IMPACT			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-670	NTS	2 of 22	PGT0128
Rev:			

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0123.11  
Expiration Date 4/7/20  
By: *[Signature]*  
Miami Dade Product Control

ANTHONY LYNN MILLER  
LICENSE  
No. 58705  
13015  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER  
A. LYNN MILLER, P.E.  
P.E.# 58705

# EXAMPLE CONFIGURATIONS



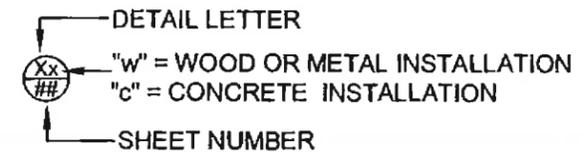
### CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS USING DETAIL "Jw", "Jc", "Kw" OR "Kc" INSTALLATION. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXXp, pXXXX OR XXXXp. OXXX IN POCKET CONFIGURATION CAN BE OXXXp.

2) 90° & 135° CORNER CONFIGURATIONS CAN BE A COMBINATION OF ANY 2 STRAIGHT CONFIGURATIONS.

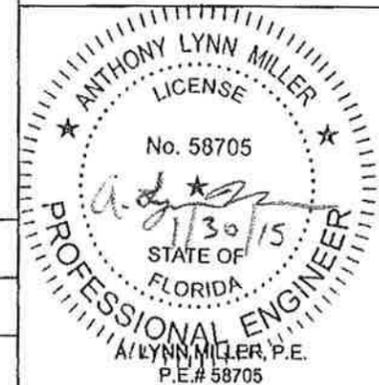
3) FOR NOM. PANEL WIDTH, SEE TABLES 1-3.

"X" = OPERABLE PANEL,  
 "O" = INOPERABLE PANEL,  
 "p" = POCKET



DLO WIDTH = NOM. PANEL WIDTH - 7"  
 DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"  
 PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-0123.11  
 Expiration Date 4/7/20  
 By *[Signature]*  
 Miami Dade Product Control



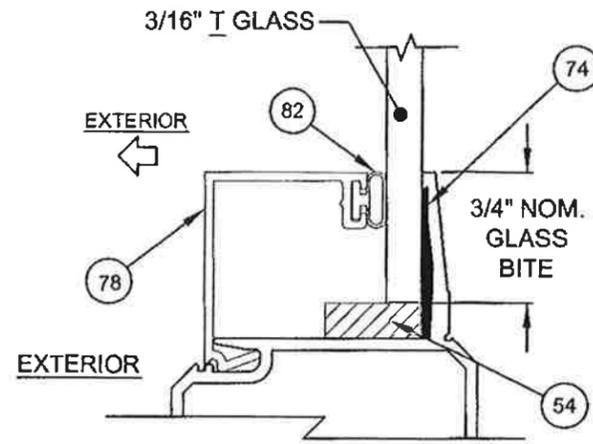
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941)-480-1800  
 CERT. OF AUTH. #29298

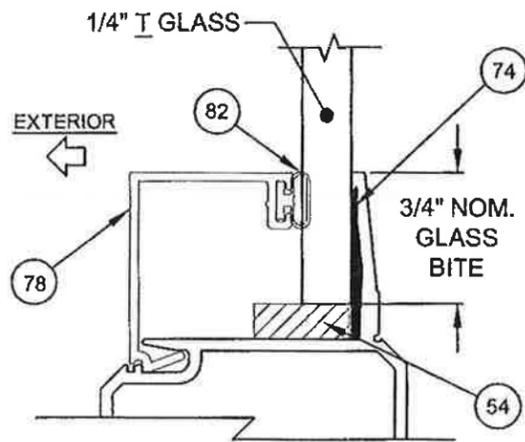


Description: <b>EXAMPLE CONFIGURATIONS</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model: SGD-670	Scale: NTS	Sheet: 3 of 22	Drawing No. PGT0128
			Rev:

**GLAZING DETAILS (G1 & G1A)**



**3/16" TEMPERED GLASS, TYPE G1**



**1/4" TEMPERED GLASS, TYPE G1A**

**GLAZING NOTES:**  
"T" = TEMPERED

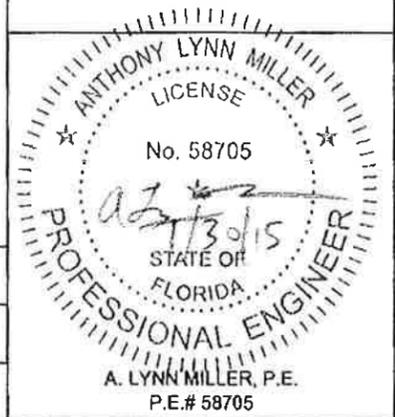
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600  
CERT. OF AUTH. #29298

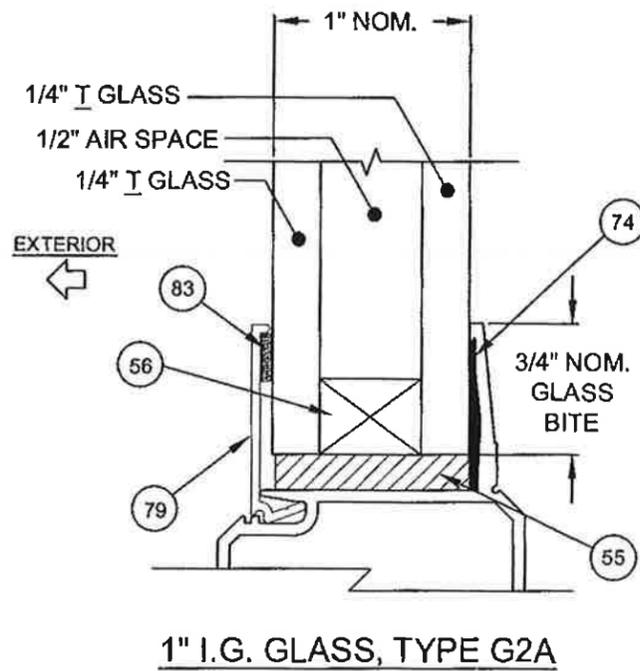
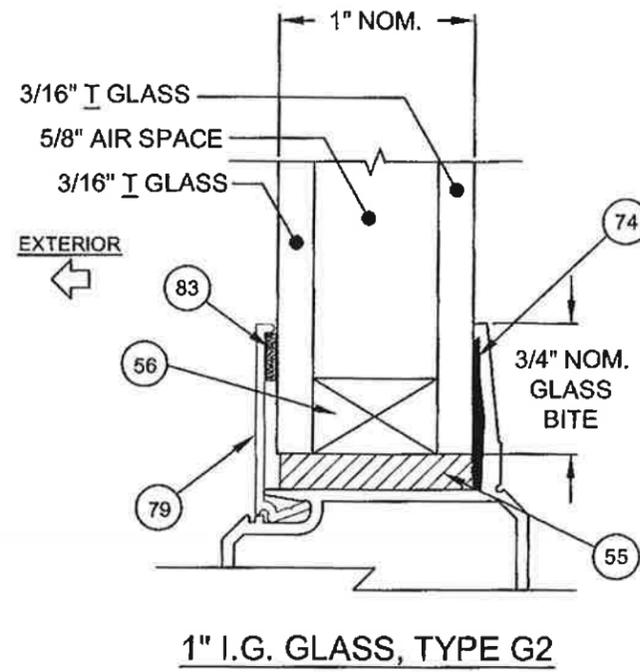


Description: <b>GLAZING DETAILS</b>				
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>				
Series/Model:	Scale:	Sheet:	Drawing No.:	Rev.:
SGD-670	NTS	4 of 22	PGT0128	

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 14-0123-11  
Expiration Date 4/7/20  
By [Signature]  
Minimal Date Product Covered

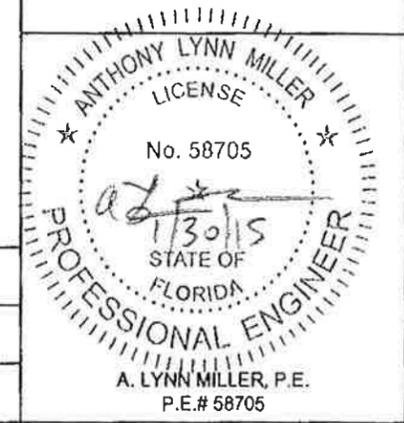


**GLAZING DETAILS (G2 & G2A)**



**GLAZING NOTES:**  
"T" = TEMPERED

PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0123-11  
Expiration Date 7/21/20  
By *Ishtar Khan*  
Miami Dade Product Control



Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941) 480-1600  
CERT. OF AUTH. #29298



Description: <b>GLAZING DETAILS</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-670	NTS	5 of 22	PGT0128
Rev:			

TABLE 1:

**Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)**  
For corner astragal anchorage on 90° or 135° corner units, see sheet 11

Table applies to all Glass types and the Stile/Astragal types shown below. Positive (+) DP may be limited by Table 1A.

Nominal Panel Width	Door Unit Height	Door Unit Height																
		80"				84"				90"				96"				
		69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO				
		Anchor Group				Anchor Group				Anchor Group				Anchor Group				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
24"	17" DLO	Design Pressure	+90.0 / -127.1				+90.0 / -120				+90.0 / -110.8				+90.0 / -102.9			
		Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
30"	23" DLO	Design Pressure	+90.0 / -108.3				+90.0 / -100.2				+90.0 / -92.2				+85.3 / -85.3			
		Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
36"	29" DLO	Design Pressure	+90.0 / -92.9				+87.3 / -87.3				+80.0 / -80				+73.8 / -73.8			
		Head/Sill	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
42"	35" DLO	Design Pressure	+83.7 / -83.7				+78.4 / -78.4				+71.6 / -71.6				+65.8 / -65.8			
		Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2	C4+1	C4+1	C4+2	C4+2
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
48"	41" DLO	Design Pressure	+77.1 / -77.1				+72.0 / -72				+65.5 / -65.5				+60.0 / -60			
		Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
54"	47" DLO	Design Pressure	+72.5 / -72.5				+67.4 / -67.4				+61.0 / -61				+54.7 / -54.7			
		Head/Sill	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
60"	53" DLO	Design Pressure	+69.1 / -69.1				+64.0 / -64				+57.6 / -57.6				+50.6 / -50.6			
		Head/Sill	C4+2	C4+2	C4+3	C4+3	C4+2	C4+2	C4+3	C4+3	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2	C4+2
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		P-hook	6+7	6+7	6+7	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8

FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

DLO WIDTH = NOM. PANEL WIDTH - 7"

DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"

PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 1, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

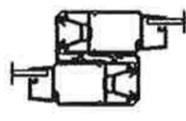
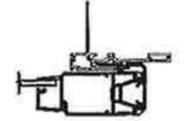
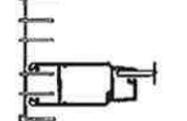
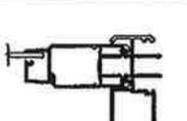
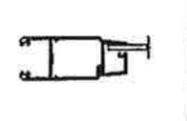
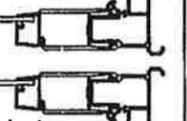
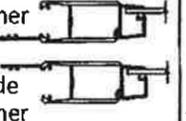
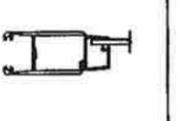
Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Standard Stiles	Standard Stile	Standard Stile	Standard Stile	Standard Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
								
Part #60 (x2)	Part #60	Part #60	Part #60 (Stile) Part #67 (Astragal)	Part #60	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

TABLE 1A:

**Sill Height to Max. (+) DP**  
(Water Infiltration Rating)

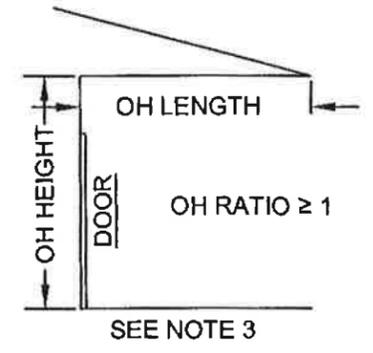
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 90.0

SEE NOTES 1-3

NOTES:

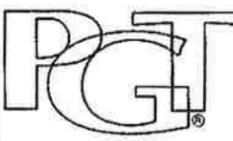
- 1) POSITIVE PRESSURES IN TABLE 1 ARE BASED ON THE USE OF THE 4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 1A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 1 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) DOOR SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.

$$OH\ RATIO = \frac{OH\ LENGTH}{OH\ HEIGHT}$$



Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600  
CERT. OF AUTH. #28298



Description:  
**DP AND ANCHORAGE**

Title:  
**SERIES 670 ALUM. SGD - NON-IMPACT**

Series/Model: SGD-870    Scale: NTS    Sheet: 6 of 22    Drawing No. PGT0128    Rev:

PRODUCT REVIEWED  
as complying with the Florida  
Building Code  
Acceptance No. 14-0123-11  
Expiration Date 9/7/20  
By: *Anthony L. Miller*  
Material Date Product Control

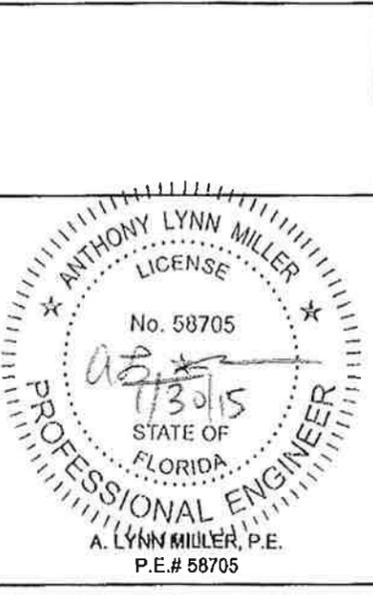


TABLE 2:

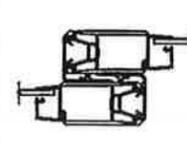
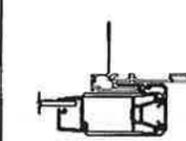
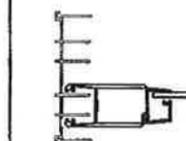
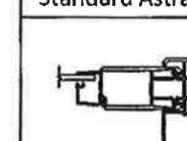
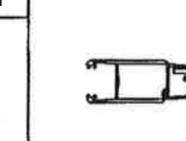
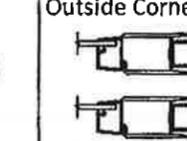
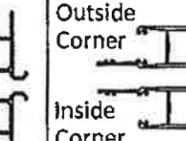
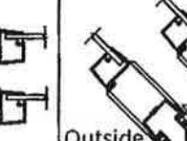
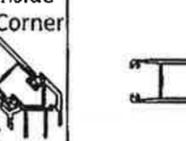
**Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)**  
For corner astragal anchorage on 90° or 135° corner units, see sheet 11

Table applies to all Glass types and the Sill/Astragal types shown below. Positive (+) DP may be limited by Table 2A.		Door Unit Height																																			
		80°				84°				90°				96°				102°				108°				114°				120°							
		69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO				91-7/8" DLO				97-7/8" DLO				103-7/8" DLO				109-7/8" DLO							
		Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group				Anchor Group											
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Nominal Panel Width	24" DLO	Design Pressure	+90.0 / -140.0				+90.0 / -133.0				+90.0 / -122.0				+90.0 / -114.0				+90.0 / -106.0				+90.0 / -99.0				+90.0 / -93.0				+88.0 / -88.0						
		Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1																			
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
	30" DLO	Design Pressure	+90.0 / -141.8				+90.0 / -133.6				+90.0 / -122.9				+90.0 / -113.8				+90.0 / -105.9				+90.0 / -99.1				+90.0 / -93.1				+87.8 / -87.8						
		Head/Sill	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2																			
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8			
	36" DLO	Design Pressure	+90.0 / -123.9				+90.0 / -116.4				+90.0 / -106.7				+90.0 / -98.5				+90.0 / -91.4				+85.3 / -85.3				+80.0 / -80.0				+75.3 / -75.3						
		Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2			
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8			
	42" DLO	Design Pressure	+90.0 / -111.6				+90.0 / -104.5				+90.0 / -95.4				+87.8 / -87.8				+81.3 / -81.3				+75.7 / -75.7				+70.8 / -70.8				+66.5 / -66.5						
		Head/Sill	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2	C5+1	C5+1	C5+2	C5+2																			
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8			
48" DLO	Design Pressure	+90.0 / -102.9				+90.0 / -96.0				+87.3 / -87.3				+80.0 / -80.0				+73.8 / -73.8				+68.6 / -68.6				+64.0 / -64.0				+60.0 / -60.0							
	Head/Sill	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3	C5+2	C5+2	C5+3	C5+3				
	Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8				
54" DLO	Design Pressure	+83.0 / -83.0				+77.2 / -77.2				+69.8 / -69.8				+63.8 / -63.8																							
	Head/Sill	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+2	C5+2	C4+2	C4+2	C5+2	C5+2	C4+2	C4+2	C5+2	C5+2	C4+2	C4+2	C5+2	C5+2																
	Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				
60" DLO	Design Pressure	+79.2 / -79.2				+73.3 / -73.3				+66.0 / -66.0				+60.0 / -60.0																							
	Head/Sill	C4+3	C4+3	C5+3	C5+3	C4+3	C4+3	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3				
	Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8				
		P-hook	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8			

Not available in these sizes

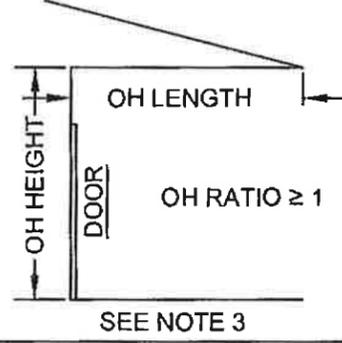
○ = EXAMPLE ON SHEET 9

THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 2, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
								
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #67 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

NOTES:

- 1) POSITIVE PRESSURES IN TABLE 2 ARE BASED ON THE USE OF THE 4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRES. UNCHANGED). SEE TABLE 2A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 2 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FBC (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) DOOR SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.



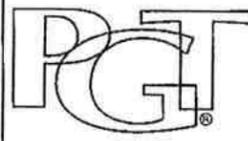
Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE N. VENICE, FL 34276 (941)-480-1600 CERT. OF AUTH. #28296		Description:	<b>DP AND ANCHORAGE</b>		
Revised By:	Date:	Revisions:				Title:	<b>SERIES 670 ALUM. SGD - NON-IMPACT</b>		
Revised By:	Date:	Revisions:				Series/Model:	SGD-670	Scale:	NTS
Drawn By:	Date:	Checked By:	Date:			Sheet:	7 of 22	Drawing No.:	PGT0128

TABLE 2A:

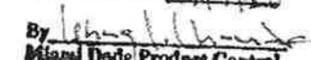
Sill Height to Max. (+) DP (Water Infiltration Rating)	
Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 90.0

SEE NOTES 1-3

DLO WIDTH =  
NOM. PANEL WIDTH - 7"

DLO HEIGHT =  
DOOR UNIT HEIGHT - 10.125"

PANEL HEIGHT =  
DOOR UNIT HEIGHT - 1.866"

PRODUCT REVISED  
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Building Code  
Acceptance No. 14-0123-11  
Expiration Date 4/7/16  
By:   
Miami Dade Product Control

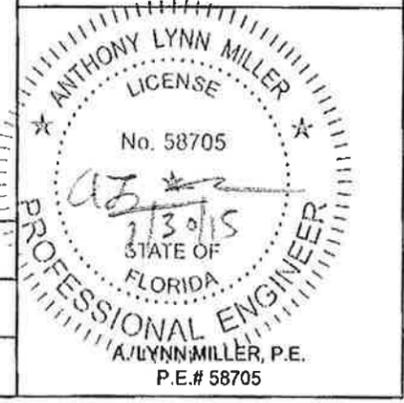


TABLE 3:

**Design Pressure (DP) and Anchor Quantities Required, (for all approved configurations on Sheets 2 & 3)**  
For corner astragal anchorage on 90° or 135° corner units, see sheet 11

Table applies to all Glass types and the Stile/Astragal types shown below. Positive (+) DP may be limited by Table 3A.

Nominal Panel Width	Door Unit Height	Door Unit Height																
		80"				84"				90"				96"				
		69-7/8" DLO				73-7/8" DLO				79-7/8" DLO				85-7/8" DLO				
		Anchor Type				Anchor Type				Anchor Type				Anchor Type				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
24"	17" DLO	Design Pressure	+90.0 / -140.0				+90.0 / -133.0				+90.0 / -122.0				+90.0 / -114.0			
		Head/Sill	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1	C4+1
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		P-hook	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
30"	23" DLO	Design Pressure	+90.0 / -159.5				+90.0 / -150.3				+90.0 / -138.2				+90.0 / -128			
		Head/Sill	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+1	C5+1	C6+2	C6+2	C5+1	C5+1	C6+2	C6+2
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8
		P-hook	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10
36"	28" DLO	Design Pressure	+90.0 / -139.4				+90.0 / -130.9				+90.0 / -120				+90.0 / -110.8			
		Head/Sill	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8
		P-hook	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10
42"	35" DLO	Design Pressure	+90.0 / -125.5				+90.0 / -117.6				+90.0 / -107.3				+90.0 / -98.7			
		Head/Sill	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8
		P-hook	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10
48"	41" DLO	Design Pressure	+90.0 / -115.7				+90.0 / -108				+90.0 / -98.2				+90.0 / -90			
		Head/Sill	C5+3	C5+3	C6+3	C6+3	C5+2	C5+2	C6+3	C6+3	C5+2	C5+2	C6+2	C6+2	C5+2	C5+2	C6+2	C6+2
		Jamb	8	8	10	8	8	8	10	8	8	8	10	8	8	8	10	8
		P-hook	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10	8+9	9+10	9+10	9+10
54"	47" DLO	Design Pressure	+83 / -83				+77.2 / -77.2				+69.8 / -69.8				+62.6 / -62.6			
		Head/Sill	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C5+2	C5+2	C4+2	C4+2	C5+2	C5+2	C4+2	C4+2	C4+2	C4+2
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		P-hook	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8
80"	53" DLO	Design Pressure	+79.2 / -79.2				+73.3 / -73.3				+66 / -66				+58 / -58			
		Head/Sill	C4+3	C4+3	C5+3	C5+3	C4+3	C4+3	C5+3	C5+3	C4+2	C4+2	C5+3	C5+3	C4+2	C4+2	C4+2	C4+2
		Jamb	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
		P-hook	6+7	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8	7+8

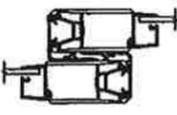
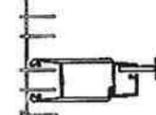
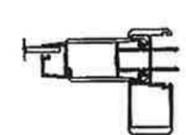
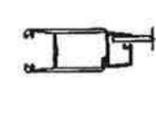
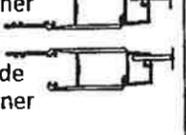
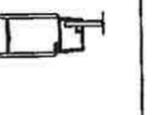
FOR EXAMPLE ON USING TABLE, SEE SHEET 7.

DLO WIDTH = NOM. PANEL WIDTH - 7"

DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"

PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

THE FOLLOWING STILE & ASTRAGAL TYPES SHALL BE USED FOR TABLE 3, SEE SHEETS 21 & 22 FOR PART DIMENSIONS AND SHEETS 18 & 19 FOR ASSEMBLY DETAILS.

Interlock	P-hook	Lockstile @ Jamb	Straight Astragal Assembly	Lockstile @ Straight Astragal	90° Astragal Assembly	Lockstile @ 90° Astragal	135° Astragal Assembly	Lockstile @ 135° Astragal
Heavy-duty Stiles	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile	Heavy-duty Stile
								
Part #61 (x2)	Part #61	Part #61	Part #61 (Stile) Part #68 (Astragal)	Part #61	Part #61 (Stile) Part #118 (Corner Receiver)	Part #119 (Out.) Part #120 (In.)	Part #61 (Stile) Parts #31 & #32 (Corn. & Fxd Mount)	Part #61

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Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600  
CERT. OF AUTH. #29296



Description:  
**DP AND ANCHORAGE**  
Title:  
**SERIES 670 ALUM. SGD - NON-IMPACT**  
Series/Model: SGD-670  
Scale: NTS  
Sheet: 8 of 22  
Drawing No.: PGT0128  
Rev:

TABLE 3A:

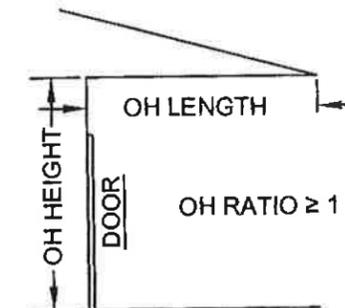
**Sill Height to Max. (+) DP**  
(Water Infiltration Rating)

Sill Riser Height (Flat or Box, see Sheet 17)	(+) Design Pressure, psf
Flush - 1-1/2"	see note 3
Low - 2-1/2"	+ 46.67
Medium - 3-1/4"	+ 60.0
High - 4"	+ 90.0

SEE NOTES 1-3

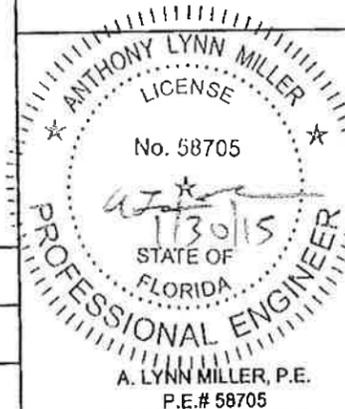
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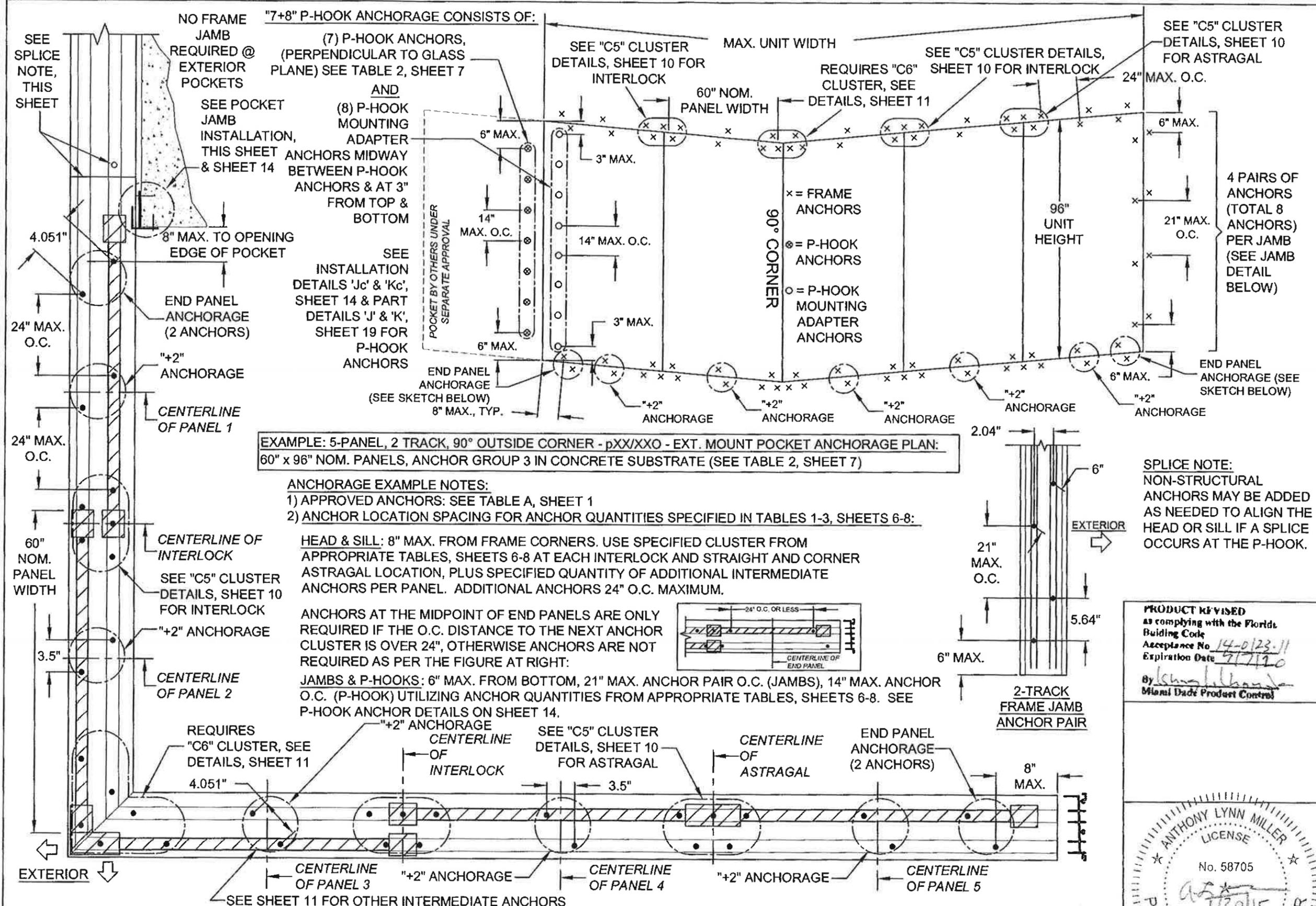
- 1) POSITIVE PRESSURES IN TABLE 3 ARE BASED ON THE USE OF THE 4" SILL.
- 2) WHEN USING THE 2-1/2" SILL, POSITIVE WATER DP IS 46.67 PSF MAX. WHEN USING THE 3-1/4" SILL, POSITIVE WATER DP IS 60.0 PSF MAX. WHEN USING THE 4" SILL, POSITIVE WATER DP IS 90.0 PSF MAX (NEGATIVE PRESSURES UNCHANGED). SEE TABLE 3A.
- 3) 4", 3-1/4" AND 2-1/2" SILL HEIGHTS ARE TESTED FOR WATER INFILTRATION WHEREAS THE 1-1/2" SILL IS NOT AND MUST ONLY BE USED WHERE WATER RESISTANCE IS NOT REQUIRED. MAX. POSITIVE DESIGN PRESSURES SHOWN IN TABLE 3 MAY BE USED WHEN THE DOOR IS PROTECTED BY AN OVERHANG COMPLYING WITH THE CURRENT FLORIDA BUILDING CODE (SEE ADJACENT DIAGRAM); THIS CONDITION IS NOT RATED FOR WATER INFILTRATION.
- 4) SEE SHEETS 10-14 FOR ANCHORAGE SPACING, EDGE DISTANCE AND EMBEDMENT INFORMATION.
- 5) DOOR SIZE TO COMPLY WITH CURRENT FBC EGRESS REQUIREMENTS WHEN REQUIRED.
- 6) JAMB ANCHORS ARE SPECIFIED AS THE TOTAL QUANTITY, DIVIDE BY 2 FOR PAIRS TO BE INSTALLED.



OH RATIO = OH LENGTH / OH HEIGHT

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Miami Dade Product Control



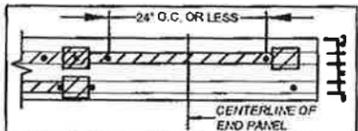


**EXAMPLE: 5-PANEL, 2 TRACK, 90° OUTSIDE CORNER - pXX/XXO - EXT. MOUNT POCKET ANCHORAGE PLAN:**  
 60" x 96" NOM. PANELS, ANCHOR GROUP 3 IN CONCRETE SUBSTRATE (SEE TABLE 2, SHEET 7)

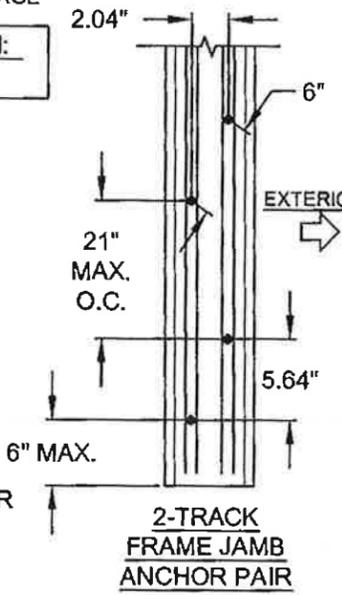
- ANCHORAGE EXAMPLE NOTES:**  
 1) APPROVED ANCHORS: SEE TABLE A, SHEET 1  
 2) ANCHOR LOCATION SPACING FOR ANCHOR QUANTITIES SPECIFIED IN TABLES 1-3, SHEETS 6-8:

**HEAD & SILL:** 8" MAX. FROM FRAME CORNERS. USE SPECIFIED CLUSTER FROM APPROPRIATE TABLES, SHEETS 6-8 AT EACH INTERLOCK AND STRAIGHT AND CORNER ASTRAGAL LOCATION, PLUS SPECIFIED QUANTITY OF ADDITIONAL INTERMEDIATE ANCHORS PER PANEL. ADDITIONAL ANCHORS 24" O.C. MAXIMUM.

ANCHORS AT THE MIDPOINT OF END PANELS ARE ONLY REQUIRED IF THE O.C. DISTANCE TO THE NEXT ANCHOR CLUSTER IS OVER 24", OTHERWISE ANCHORS ARE NOT REQUIRED AS PER THE FIGURE AT RIGHT:

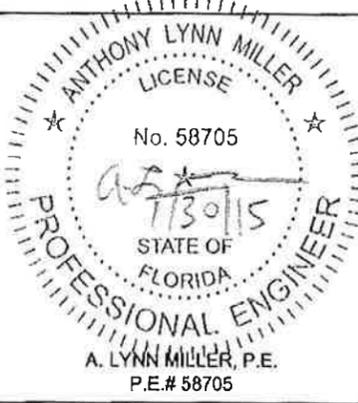


**JAMBS & P-HOOKS:** 6" MAX. FROM BOTTOM, 21" MAX. ANCHOR PAIR O.C. (JAMBS), 14" MAX. ANCHOR O.C. (P-HOOK) UTILIZING ANCHOR QUANTITIES FROM APPROPRIATE TABLES, SHEETS 6-8. SEE P-HOOK ANCHOR DETAILS ON SHEET 14.



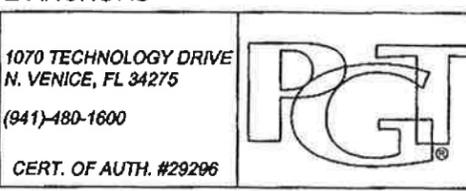
**SPLICE NOTE:**  
 NON-STRUCTURAL ANCHORS MAY BE ADDED AS NEEDED TO ALIGN THE HEAD OR SILL IF A SPLICE OCCURS AT THE P-HOOK.

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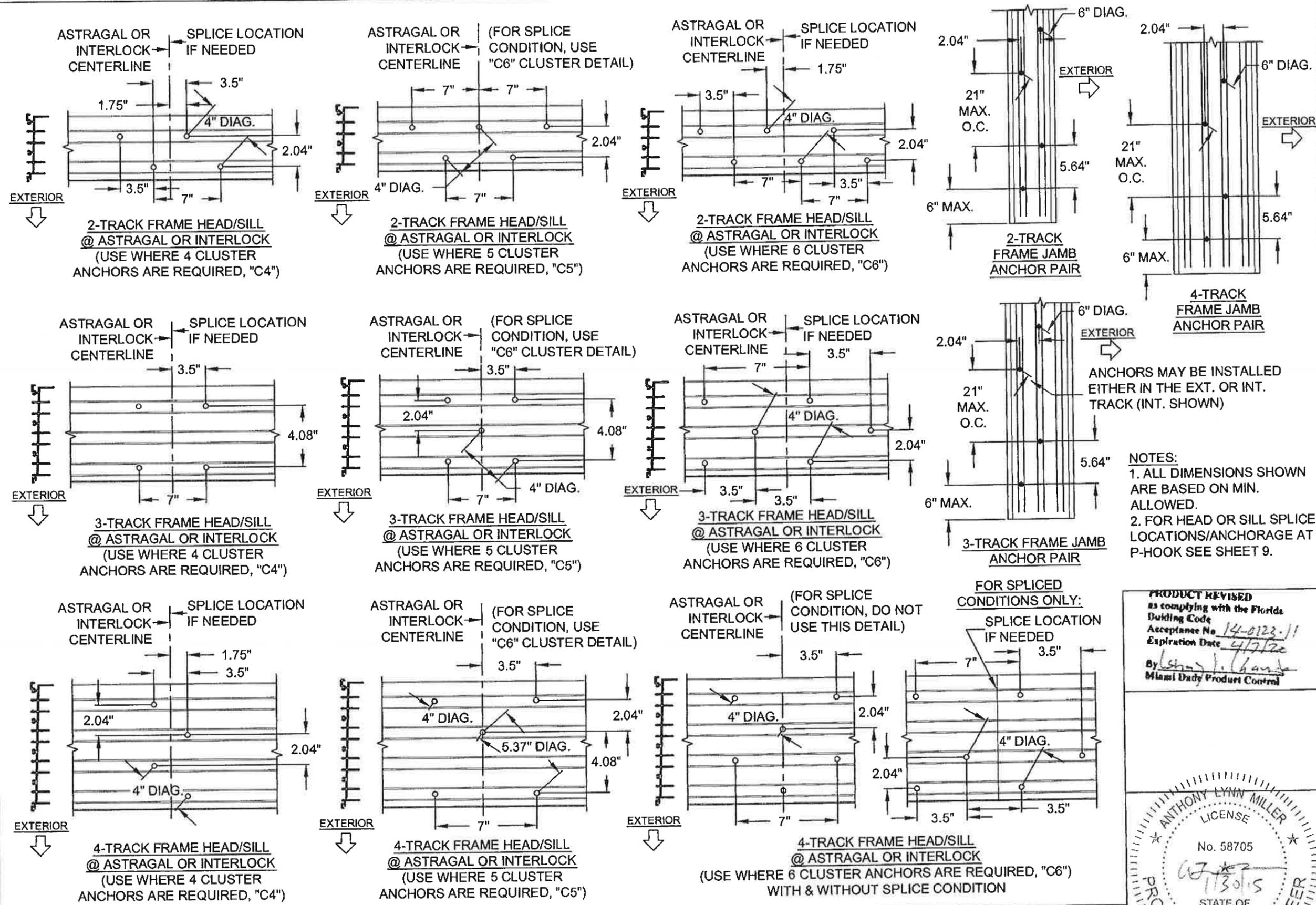


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Drawn By:	Date:	Checked By:
JR	02/20/14	

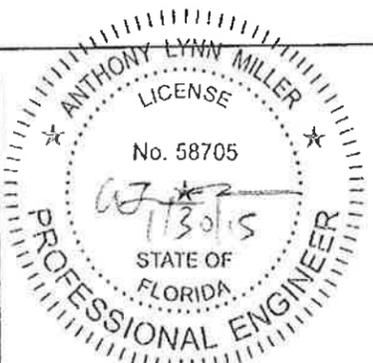
1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941) 480-1600  
 CERT. OF AUTH. #29296



Description: **ANCHORAGE SPACING & EXAMPLE PLANS**  
 Title: **SERIES 670 ALUM. SGD - NON-IMPACT**  
 Series/Model: SGD-670  
 Scale: NTS  
 Sheet: 9 of 22  
 Drawing No. PGT0128



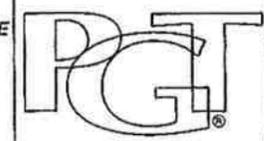
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-0123-11  
 Expiration Date 4/7/20  
 By *Anthony L. Miller*  
 Miami Dade Product Control



A. LYNN MILLER, P.E.  
 P.E. # 58705

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Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

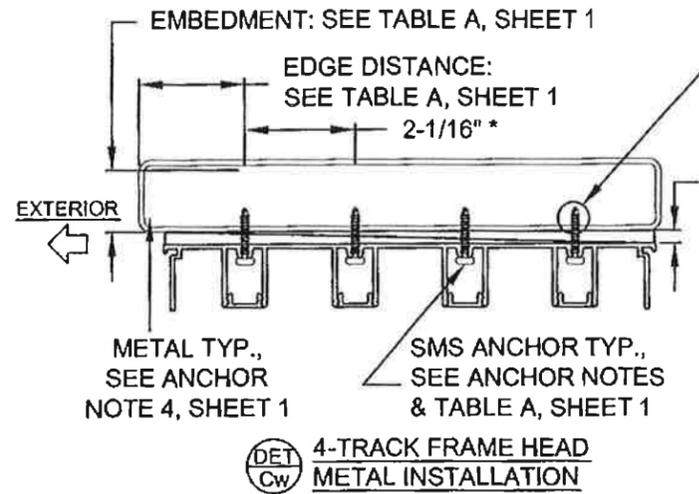
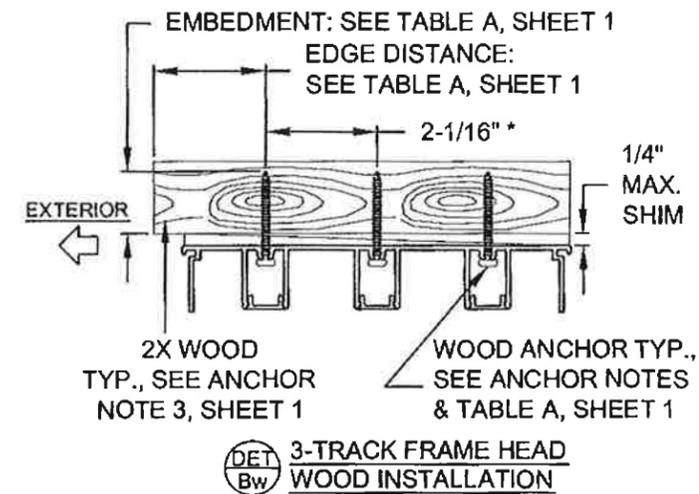
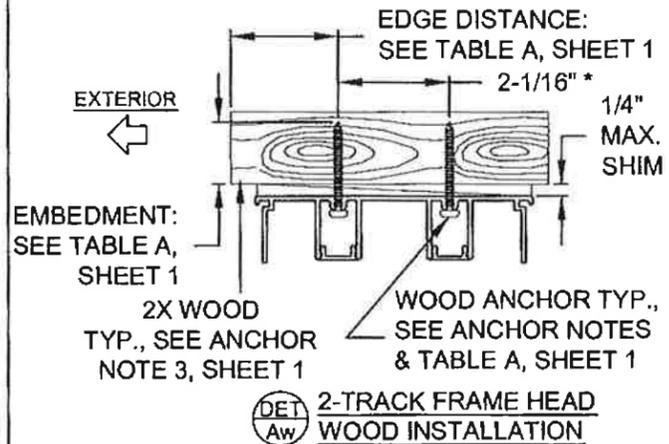
1070 TECHNOLOGY DRIVE  
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Description: **ANCHORAGE, EXAMPLE CLUSTERS**  
 Title: **SERIES 670 ALUM. SGD - NON-IMPACT**  
 Series/Model: **SGD-670** Scale: **NTS** Sheet: **10 of 22** Drawing No.: **PGT0128** Rev:



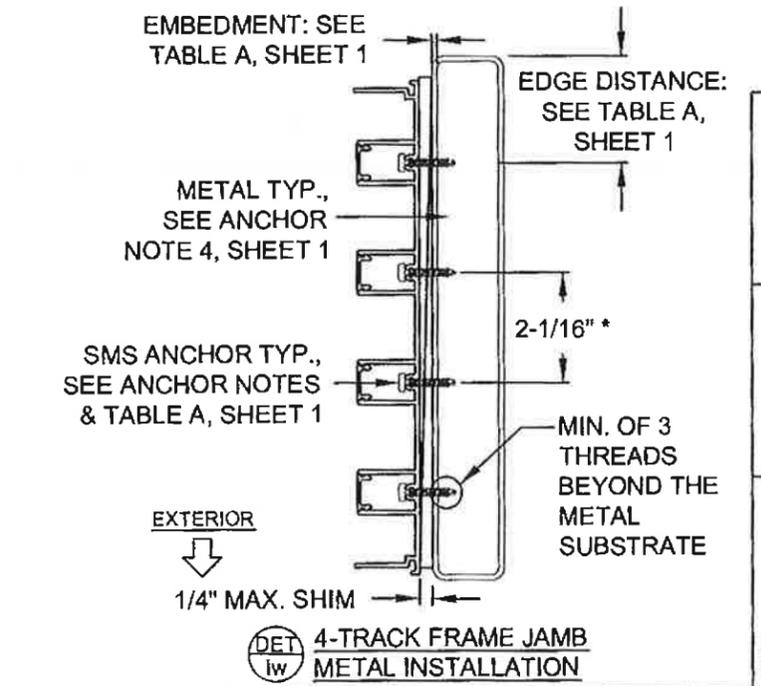
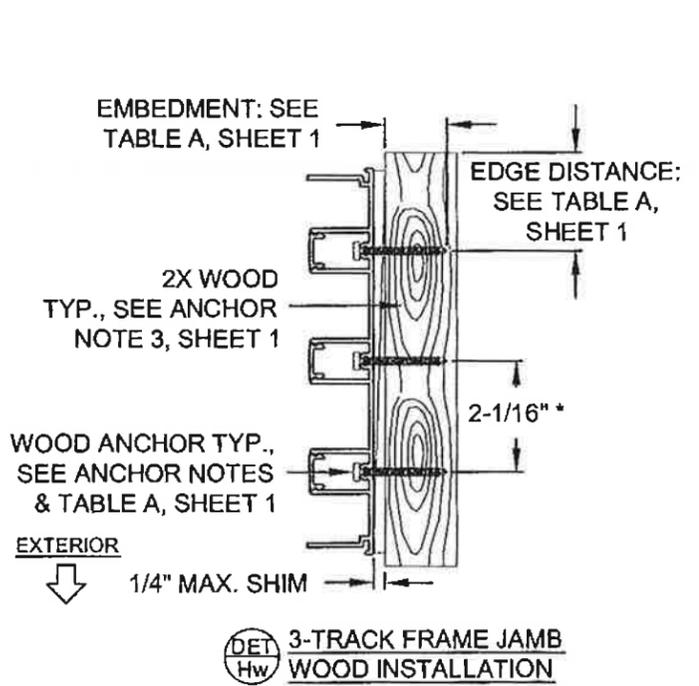
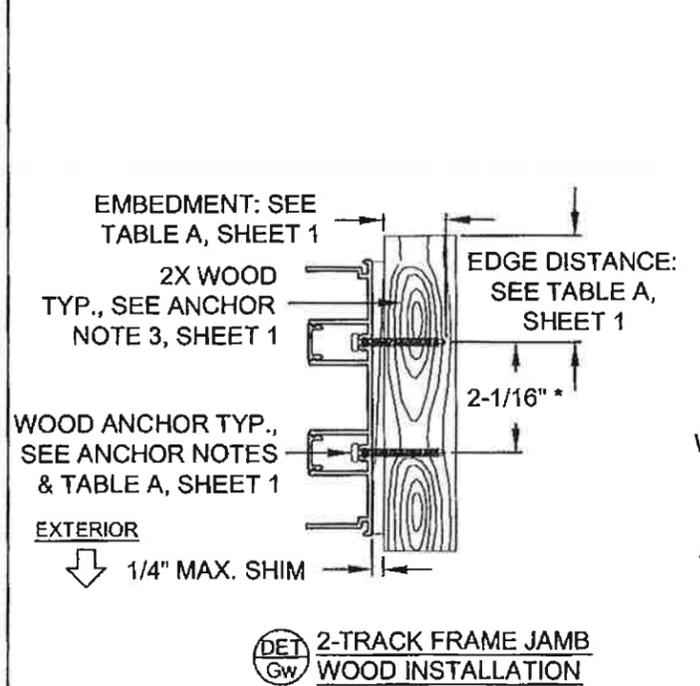
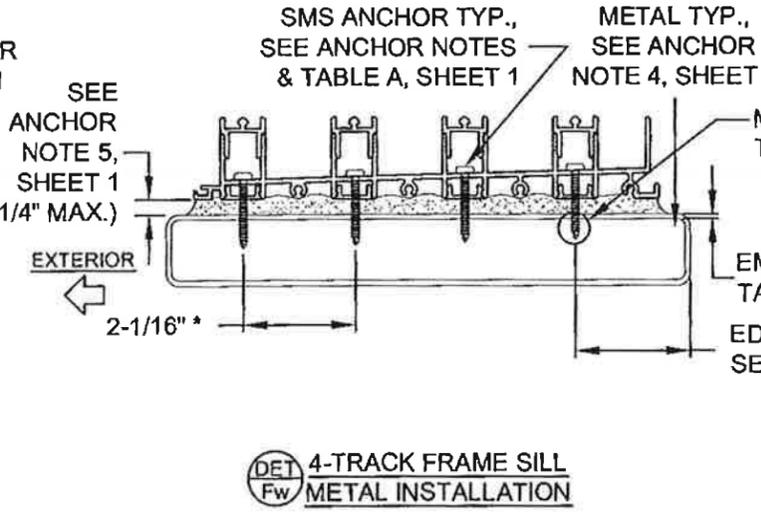
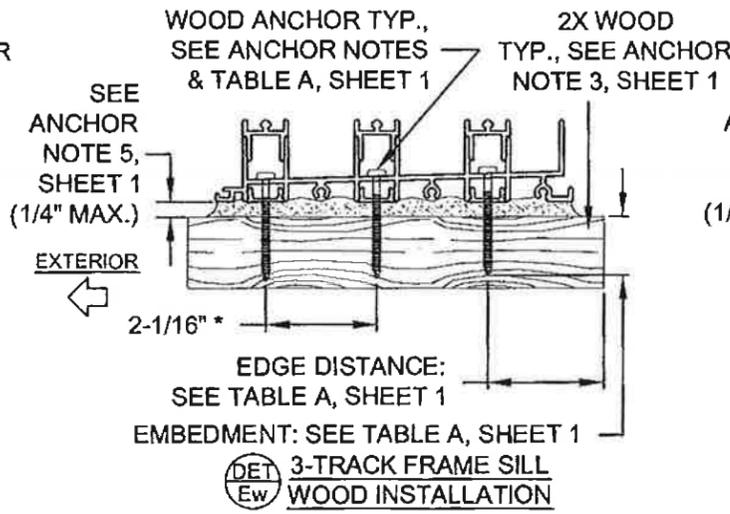
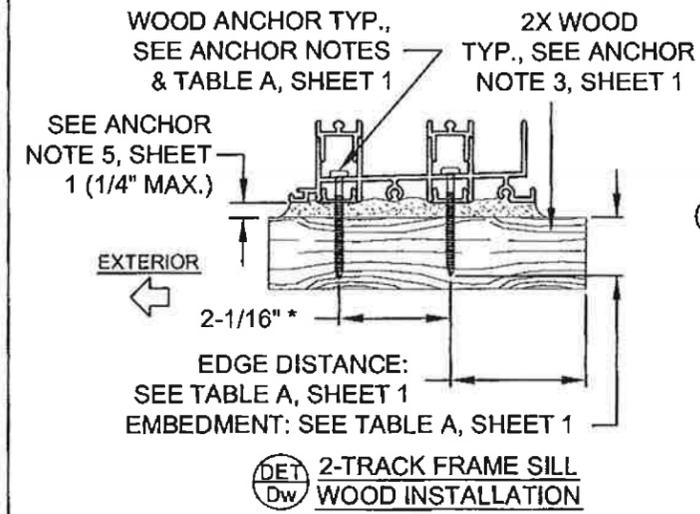
# INSTALLATION DETAILS



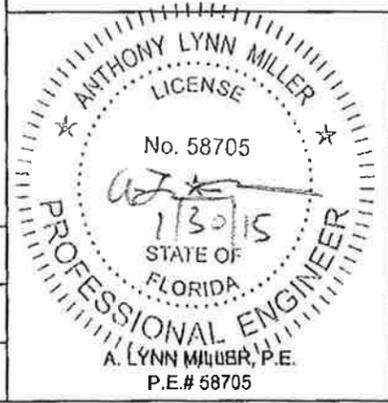
MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE

NOTES:  
 1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.  
 2. METAL OR WOOD SUBSTRATES MAY BE USED FOR ALL FRAME TYPES PER TABLE A, SHEET 1.

\* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 10 & 11.



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 Expiration Date 12/17/20  
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 Miami Dade Product Control



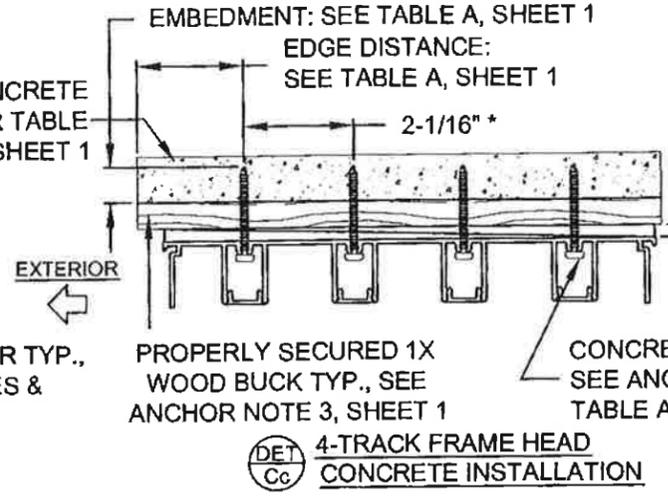
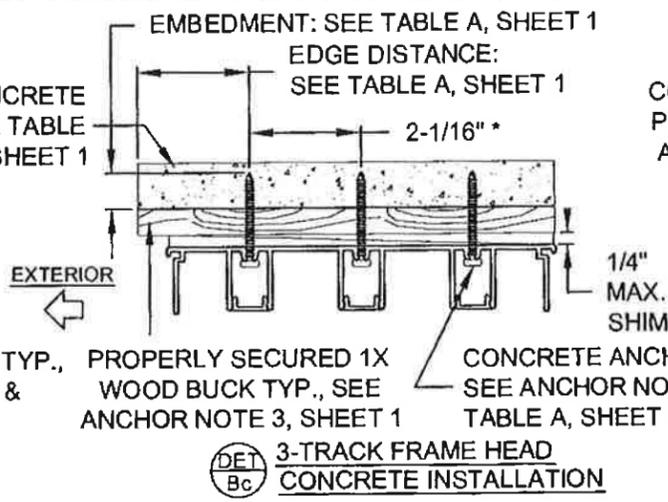
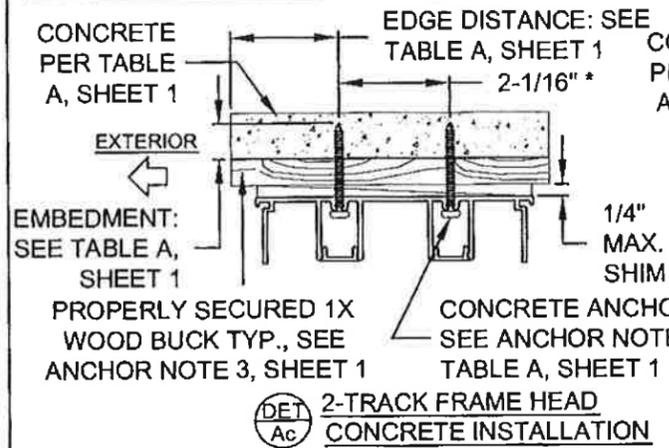
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By: JR	Date: 02/20/14	Checked By: Date:

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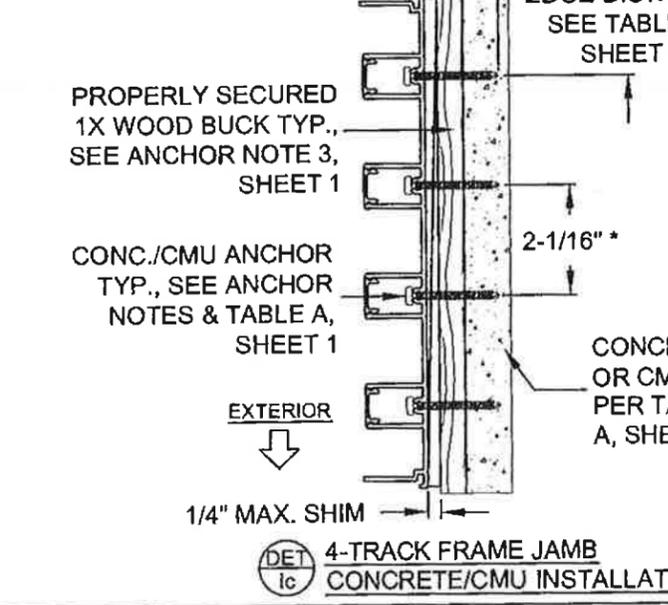
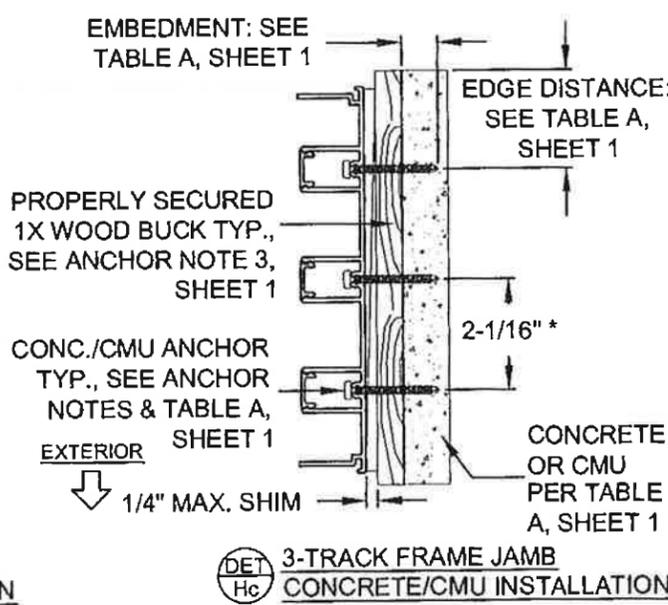
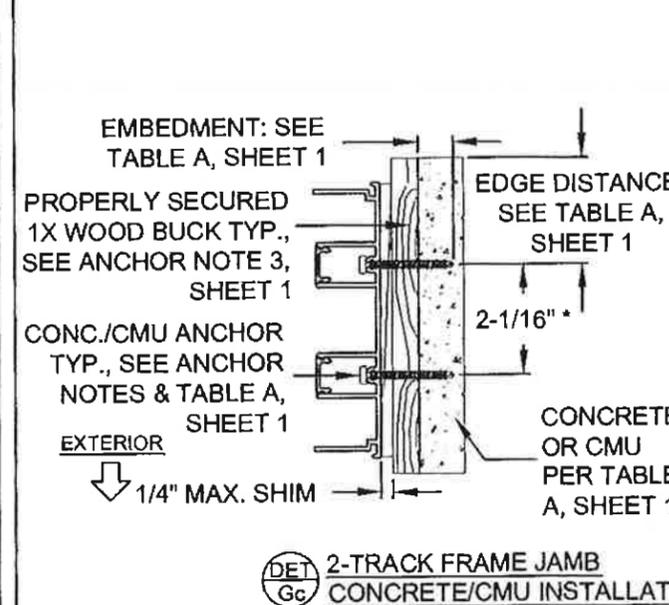
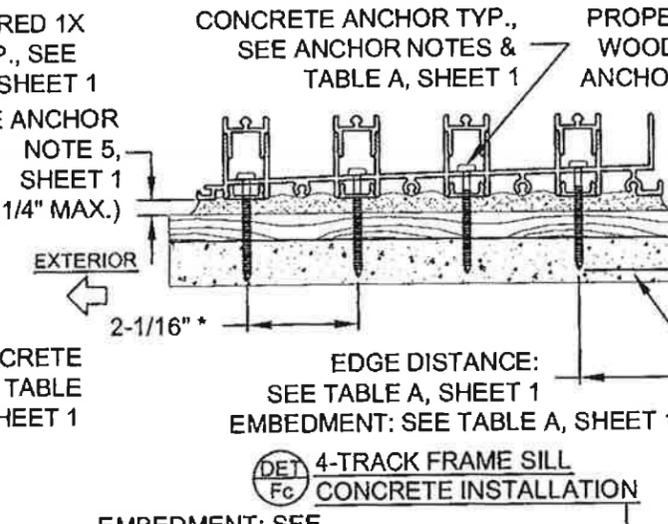
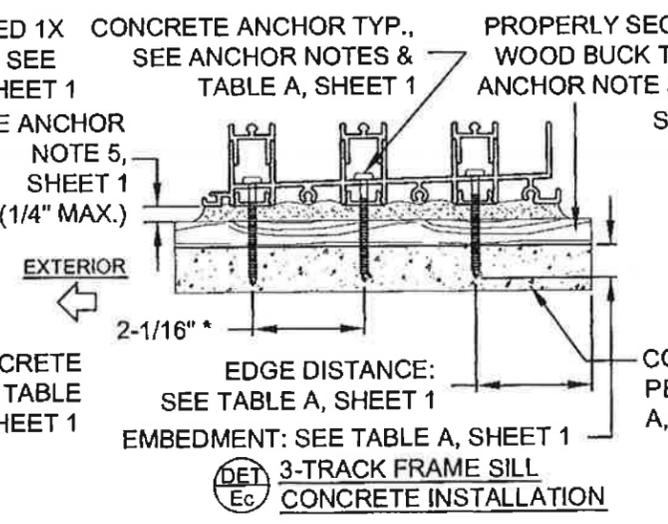
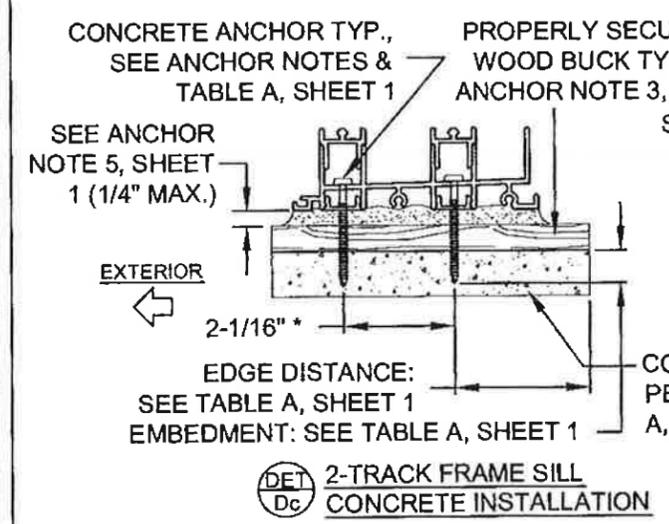


Description: ANCHORAGE DETAILS			
Title: SERIES 670 ALUM. SGD - NON-IMPACT			
Series/Model: SGD-670	Scale: NTS	Sheet: 12 of 22	Drawing No. PGT0128

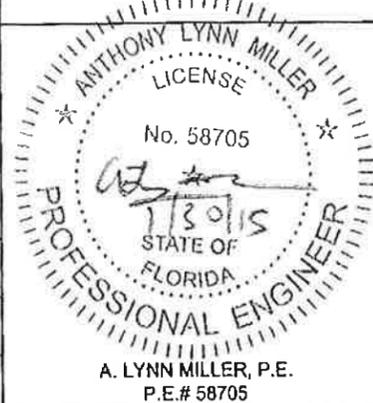
# INSTALLATION DETAILS



**NOTES:**  
 1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.  
 \* DIAGONAL O.C. IS MIN 4" (HEAD & SILL) OR 6" (JAMB) SEE DETAILS, SHEETS 0 & 11.  
 1/4" MAX. SHIM

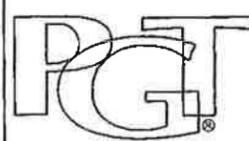


**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 140123.11  
 Expiration Date 4/7/20  
 By: [Signature]  
 Metal Buds Product Control



Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

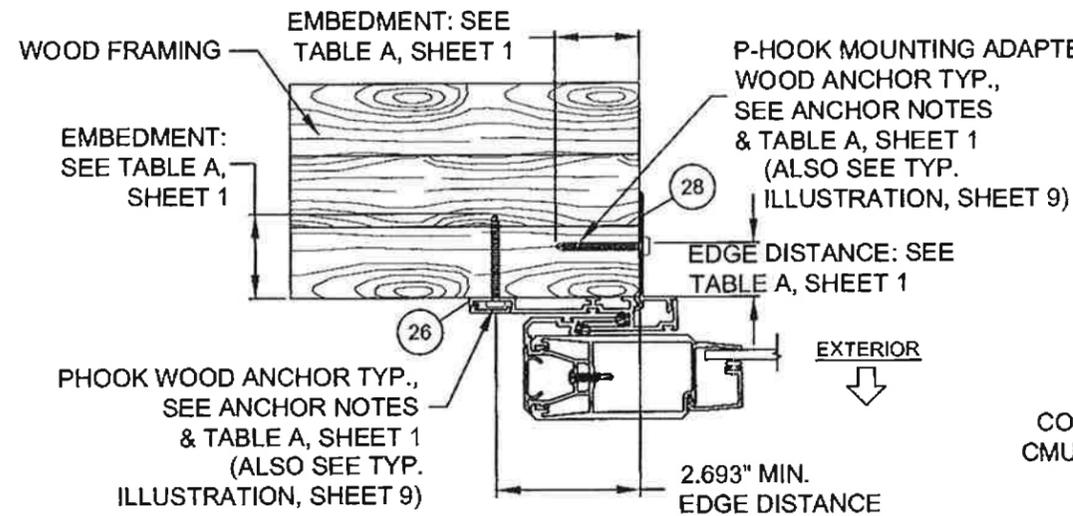
1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941) 480-1600  
 CERT. OF AUTH. #29286



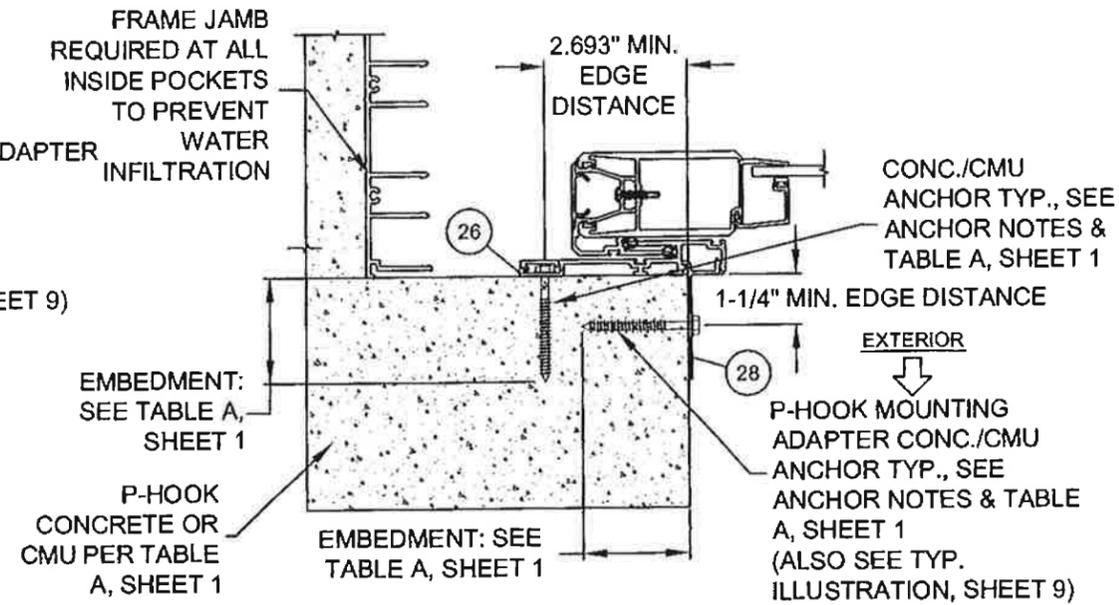
Description: ANCHORAGE DETAILS			
Title: SERIES 670 ALUM. SGD - NON-IMPACT			
Series/Model: SGD-670	Scale: NTS	Sheet: 13 of 22	Drawing No: PGT0128

A. LYNN MILLER, P.E.  
 P.E.# 58705

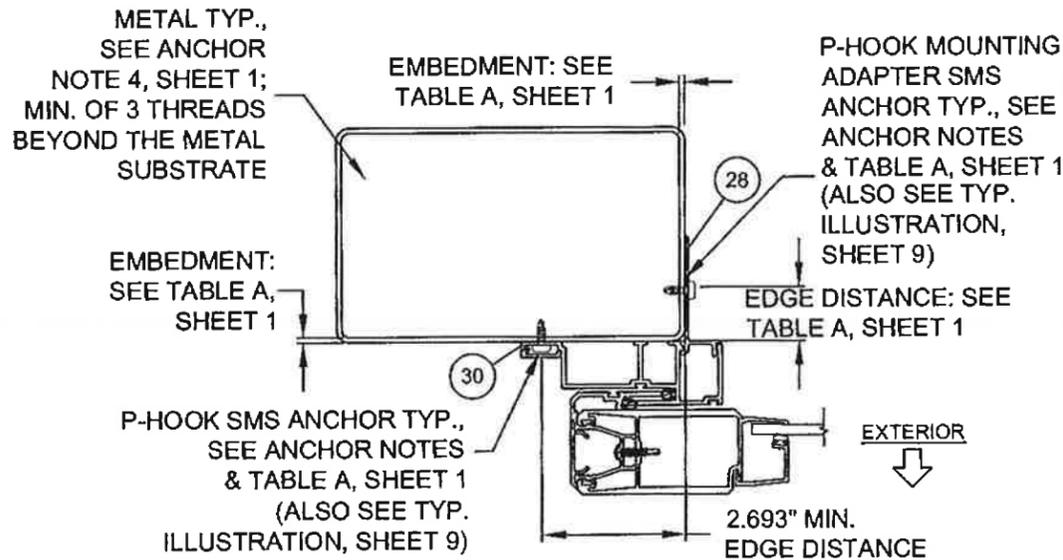
# INSTALLATION DETAILS



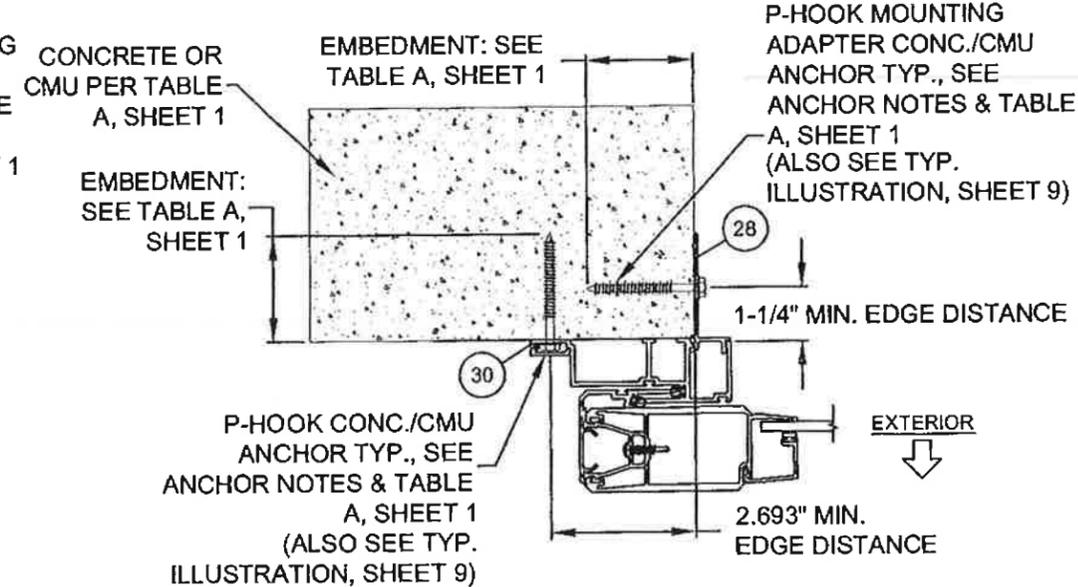
**DET Jw** P-HOOK FOR USE WITH FLAT SILL RISERS  
 PARTS #18, #20, #22 OR #24,  
 WOOD INSTALLATION  
 (SEE TABLES 1A, 2A & 3A  
 FOR WATER RATINGS) **EXTERIOR MOUNT SHOWN,  
 MAY ALSO BE INSTALLED IN  
 INTERIOR CONDITION**



**DET Jc** P-HOOK FOR USE WITH FLAT SILL RISERS  
 PARTS #18, #20, #22 OR #24,  
 CONCRETE/CMU INSTALLATION  
 (SEE TABLES 1A, 2A & 3A  
 FOR WATER RATINGS) **INTERIOR MOUNT SHOWN,  
 MAY ALSO BE INSTALLED IN  
 EXTERIOR CONDITION**



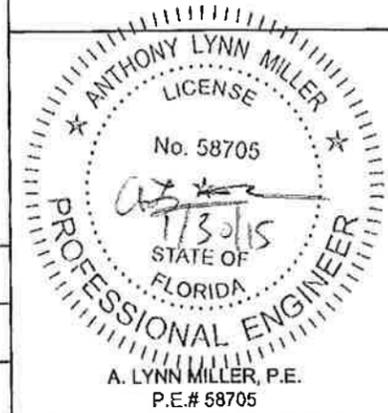
**DET Kw** P-HOOK FOR USE WITH BOX SILL RISERS  
 PARTS #19, #21, #23 OR #25,  
 METAL INSTALLATION  
 (SEE TABLES 1A, 2A & 3A  
 FOR WATER RATINGS) **EXTERIOR  
 MOUNT  
 ONLY**



**DET Kc** P-HOOK FOR USE WITH BOX SILL RISERS  
 PARTS #19, #21, #23 OR #25,  
 CONCRETE INSTALLATION  
 (SEE TABLES 1A, 2A & 3A  
 FOR WATER RATINGS) **EXTERIOR  
 MOUNT  
 ONLY**

- NOTES:**
1. ALL DIMENSIONS SHOWN ARE BASED ON MIN. ALLOWED.
  2. FIGURES ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. SEE TABLE A, SHEET 1 FOR ALL APPROVED SUBSTRATES.
  3. SEE TABES 1-3, SHEETS 6-8 FOR REQUIRED P-HOOK AND P-HOOK MOUNTING ADAPTER ANCHOR QUANTITIES. ALSO SEE EXAMPLE ON SHEET 9.

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 By *Isaac Chande*  
 Island Data Product Control



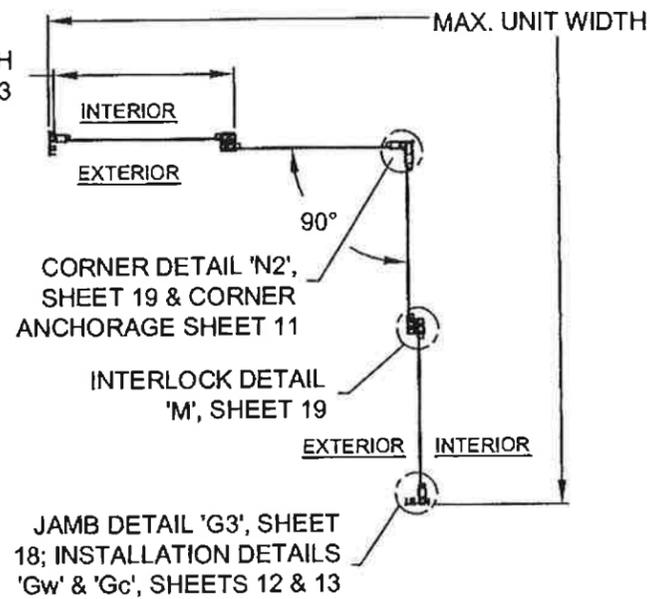
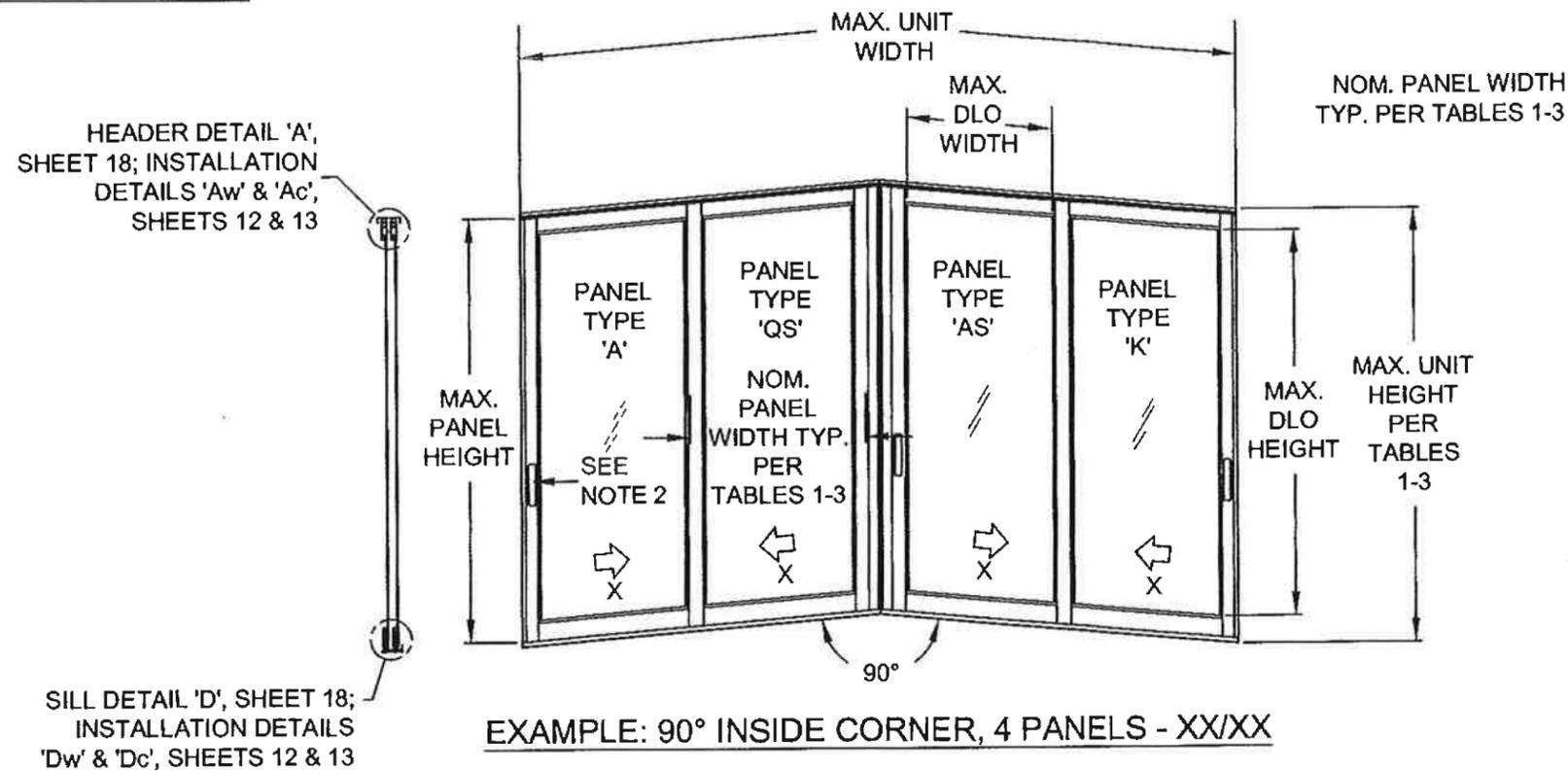
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941)-480-1600  
 CERT. OF AUTH. #29296

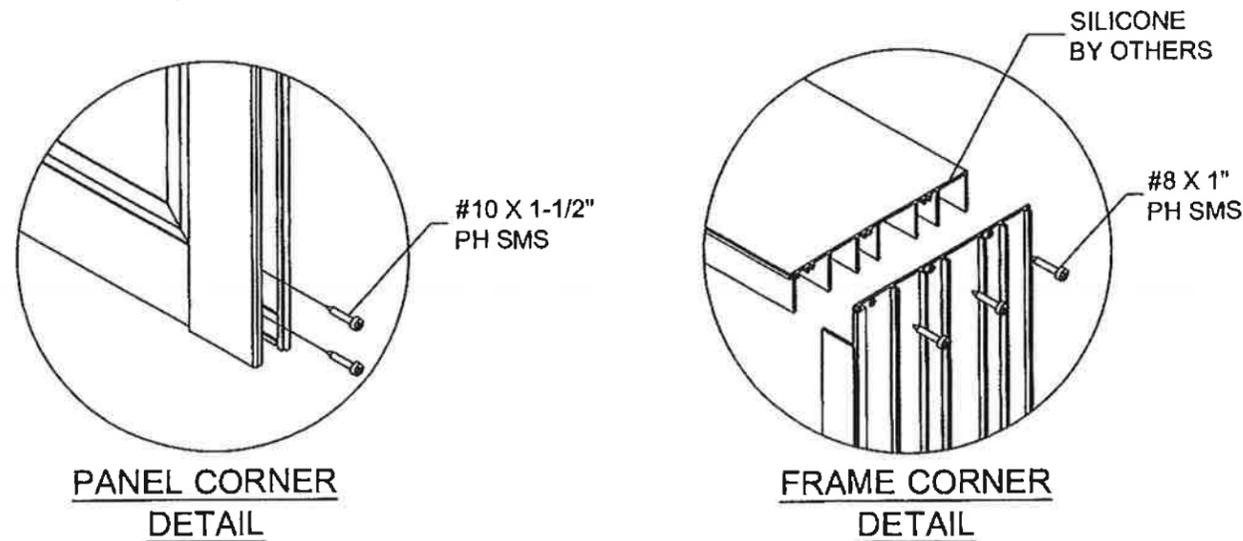


Description: <b>ANCHORAGE DETAILS</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model: SGD-670	Scale: NTS	Sheet: 14 of 22	Drawing No.: PGT0128

**CONFIG. EXAMPLES**



**EXAMPLE: 90° INSIDE CORNER, 4 PANELS - XX/XX**

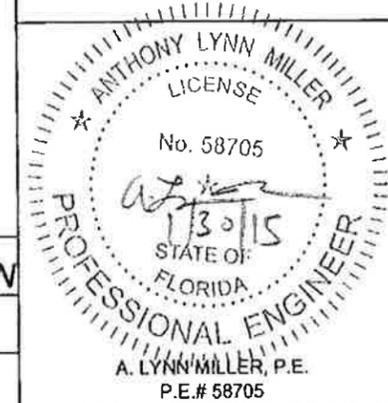


DLO WIDTH = NOM. PANEL WIDTH - 7"  
 DLO HEIGHT = DOOR UNIT HEIGHT - 10.125"  
 PANEL HEIGHT = DOOR UNIT HEIGHT - 1.866"

**NOTES:**

- 1) SEE SHEET 17 FOR INDIVIDUAL PANEL CONFIGURATIONS AS APPLICABLE. SEE DP/ANCHOR TABLES, SHEETS 6-8 FOR MAX. PANEL HEIGHT AND WIDTH. SEE SHEETS 18 & 19 FOR SECTION DETAILS AND SHEETS 12-14 FOR INSTALLATION DETAILS.
- 2) (1) LOCK (ITEMS 75 & 107-110) AT EACH LOCKSTILE, LOCKING INTO KEEPER (ITEM 103) AT FRAME JAMB OR ASTRAGAL.
- 3) PLEASE SEE APPLICABLE ASTRAGAL & INTERLOCK COMBINATIONS PER DP/ANCHOR TABLES.

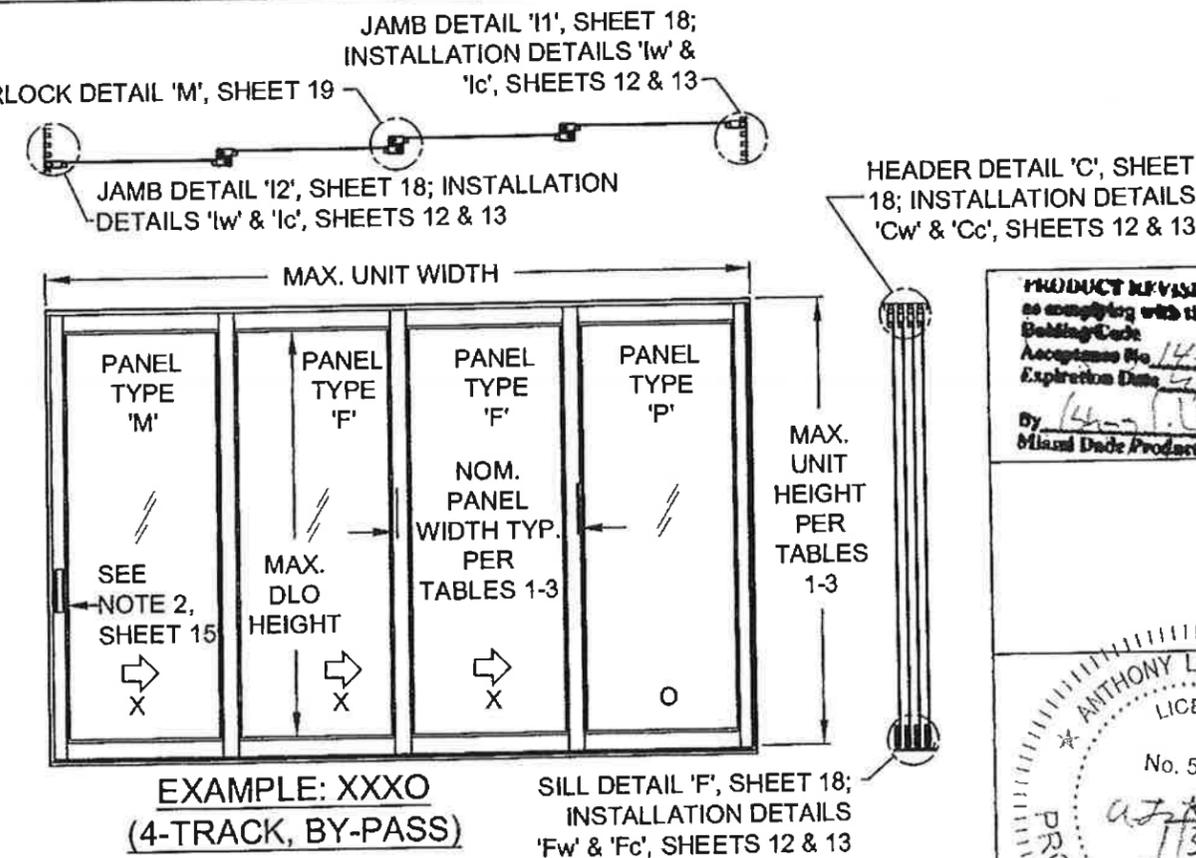
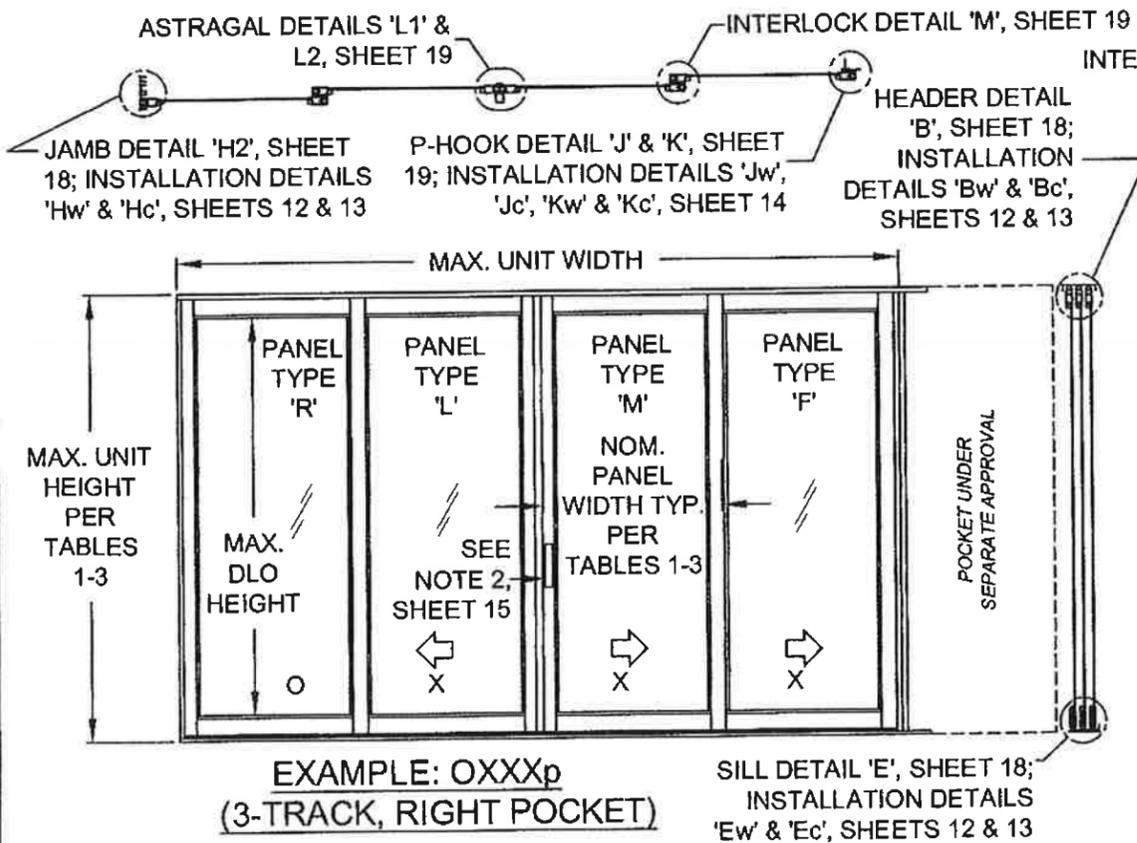
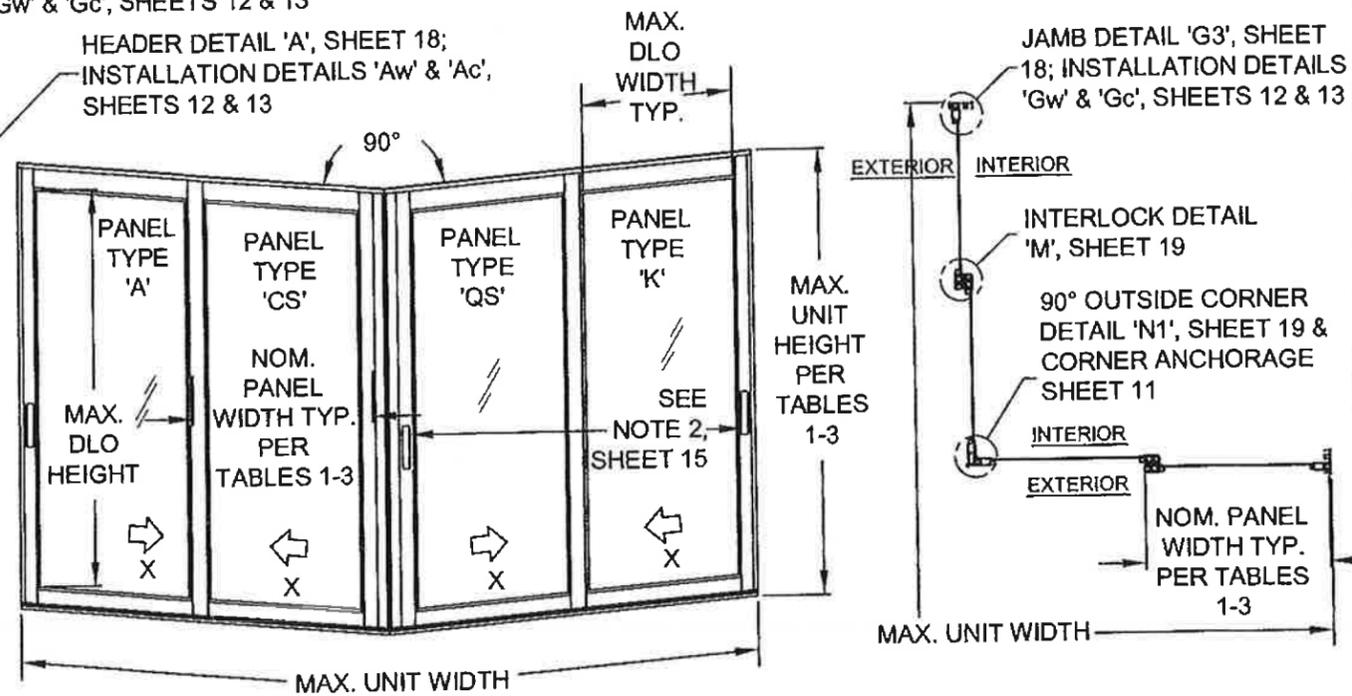
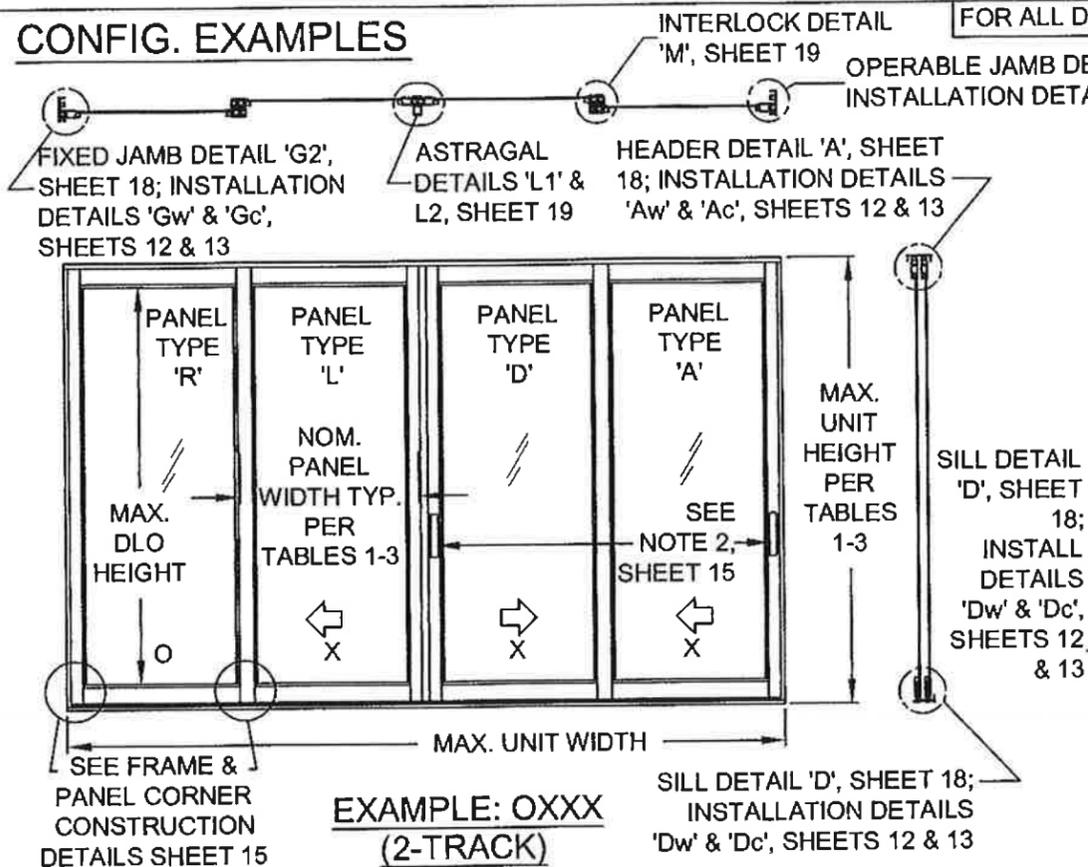
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 14-0123.11  
 Expiration Date 4/2/22  
 by *[Signature]*  
 Initial Code/Project Control



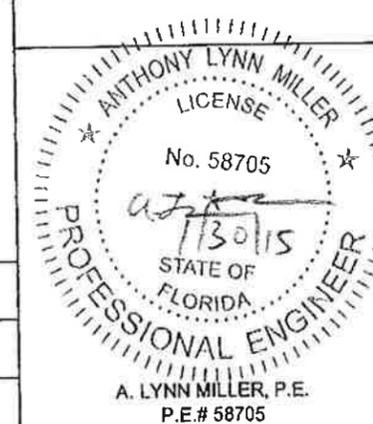
Revised By:	Date:	Revisions:		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941)-480-1600 CERT. OF AUTH. #29296		Description: ANCHORAGE DETAILS / EXAMPLE ELEVATION					
Revised By:	Date:	Revisions:				Title: SERIES 670 ALUM. SGD - NON-IMPACT					
Revised By:	Date:	Revisions:				Series/Model: SGD-670	Scale: NTS	Sheet: 15 of 22	Drawing No. PGT0128	Rev:	
Drawn By: JR	Date: 02/20/14	Checked By:	Date:								

**CONFIG. EXAMPLES**

FOR ALL DETAILS ON THIS SHEET, SEE NOTES ON SHEET 15



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Building Code  
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Expiration Date 12/31/20  
By: [Signature]  
Miami Dade Product Control



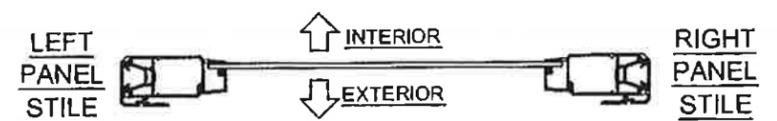
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-480-1600  
CERT. OF AUTH. #29296

Description: <b>EXAMPLE ELEVATIONS</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model:	Scale:	Sheet:	Drawing No.:
SGD-670	NTS	16 of 22	PGT0128

PANEL TYPES	PANEL'S RIGHT STILE TYPE														
	SINGLE INTERLOCK OUT	SINGLE INTERLOCK IN	FIXED STILE	LOCKSTILE W/ HANDLE	ASTRAGAL BOX OUT	ASTRAGAL BOX IN	ASTRAGAL BOX OUT W/ HANDLE	ASTRAGAL BOX IN W/ HANDLE	INT CORNER 90 LOCKSTILE W/ HANDLE #120	EXT CORNER 90 LOCKSTILE W/ HANDLE #119	EXT CORNER 90 RECEIVER W/ HANDLE #61 #118	INT CORNER 90 RECEIVER W/ HANDLE #61 #118	EXT CORNER 90 RECEIVER #118 #61	EXT CORNER 135 RECEIVER W/ HANDLE #61 #31	INT CORNER 135 RECEIVER W/ HANDLE #61 #31
SINGLE INTERLOCK OUT		F	PP	K			L (BOX OUT)		TR	TQ	TC	TA		TV	TW
SINGLE INTERLOCK IN	B	E	P	A			C (BOX OUT)	C (BOX IN)	IC	SQ	SC	SA		SV	SW
FIXED STILE	RR	R			S (BOX OUT)	S (BOX IN)						FD	FC	FV	FW
LOCKSTILE W/ HANDLE	D	M			J (BOX OUT)	J (BOX IN)									
ASTRAGAL BOX OUT W/ HANDLE	LR (BOX OUT)														
ASTRAGAL BOX IN W/ HANDLE		N (BOX IN)													
ASTRAGAL BOX OUT					T (BOX OUT)	U (BOX OUT)									
ASTRAGAL BOX IN					T (BOX IN)	U (BOX IN)									
INT CORNER 90 LOCKSTILE W/ HANDLE #120	RT	CI													
EXT CORNER 90 LOCKSTILE W/ HANDLE #119	QT	QS													
EXT CORNER 90 RECEIVER W/ HANDLE #118	CT	CS													
INT CORNER 90 RECEIVER W/ HANDLE #118	AT	AS	DF												
EXT CORNER 90 RECEIVER #118				CF											
EXT CORNER 135 RECEIVER W/ HANDLE #61	VT	VS	VF												
INT CORNER 135 RECEIVER W/ HANDLE #61	WT	WS	WF												

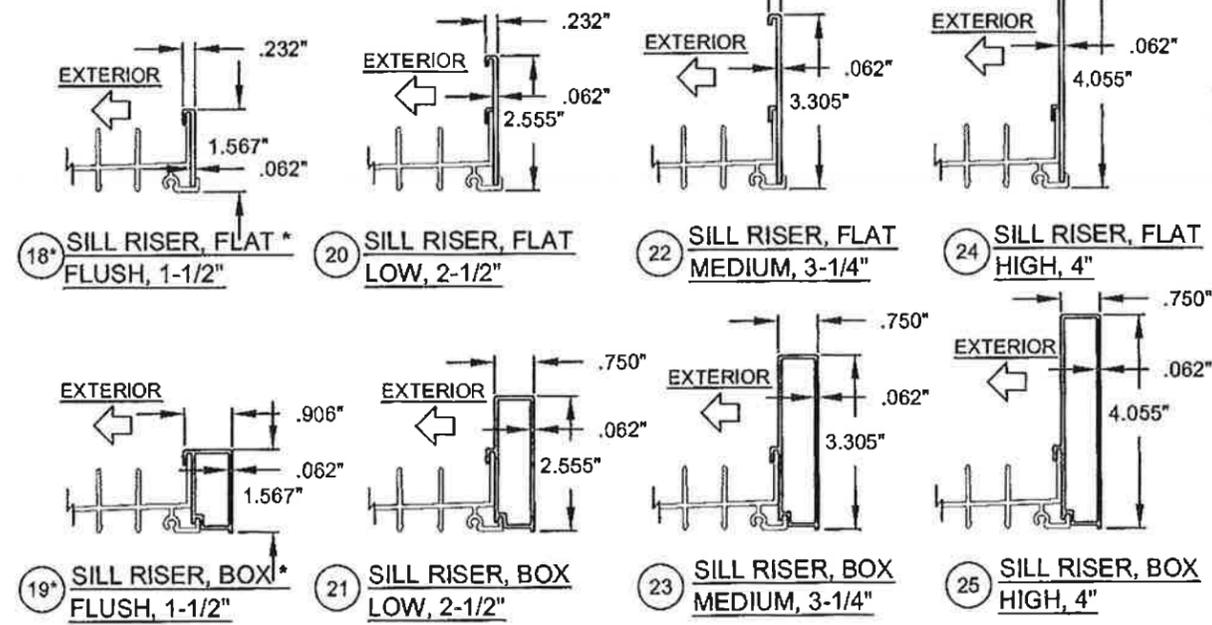
PANEL'S LEFT STILE TYPE



PANEL "E" SHOWN. SEE TABLE FOR OTHER PANEL TYPES AND APPLICABLE STILE/ASTRAGAL REQUIREMENTS.

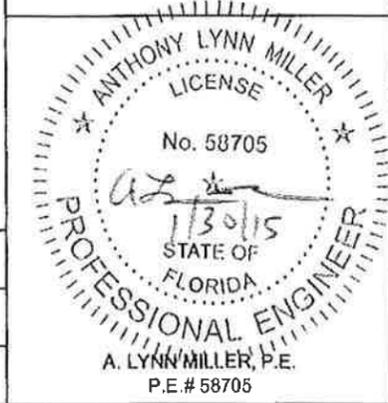
- PANEL NOTES:**
- SEE DP TABLES 1-3, SHEETS 6-8 FOR PANEL SIZES & DESIGN PRESSURE.
  - PANEL TYPES NOT SHOWN OR CROSSED OFF ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.
  - 90° ASTRAGALS TO USE HEAVY-DUTY STILES (#61), CORNER RECEIVER (#118) AND EITHER EXTERIOR (#119) OR INTERIOR (#120) CORNER ASTRAGALS.
  - 135° ASTRAGALS TO USE HEAVY-DUTY STILES (#61) AND CORNER ADDON (#31).

**SILL RISERS OPTIONS**



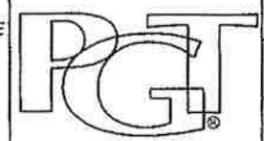
\* NOT VALID FOR WATER INFILTRATION RESISTANCE REQUIREMENTS, SEE SHEETS 6-8

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-0123.11  
 Expiration Date 5/17/20  
 By *[Signature]*  
 Misael Dade Product Control



Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

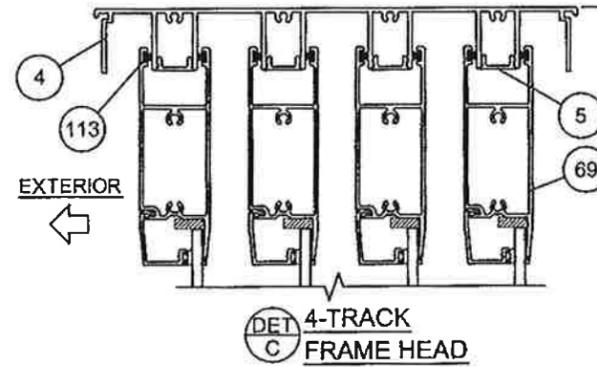
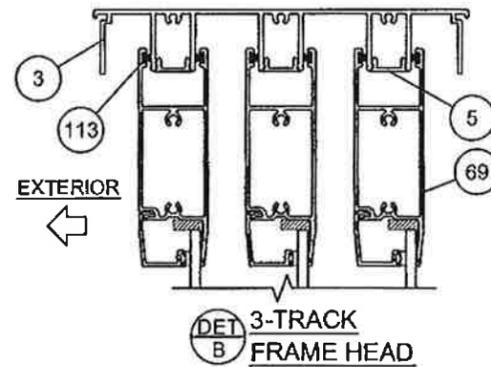
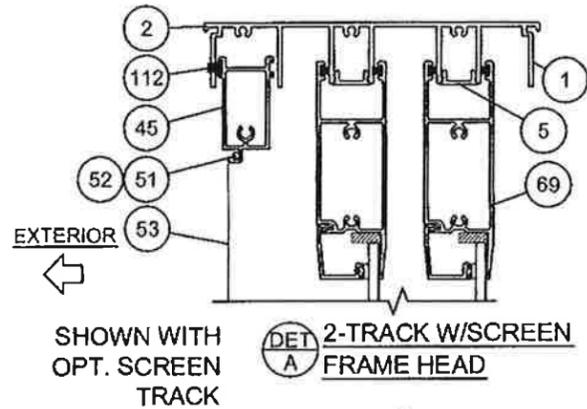
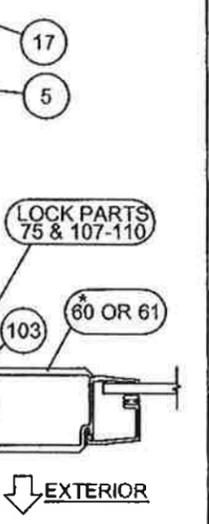
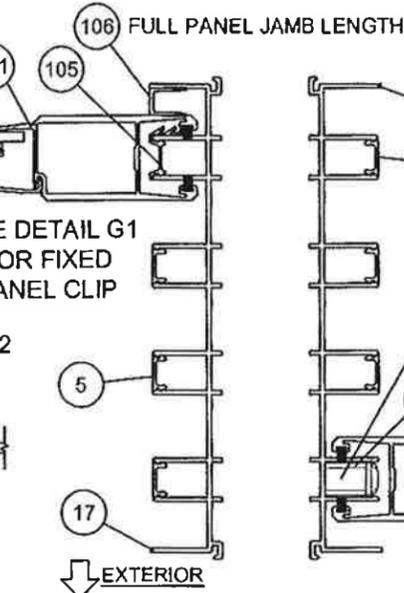
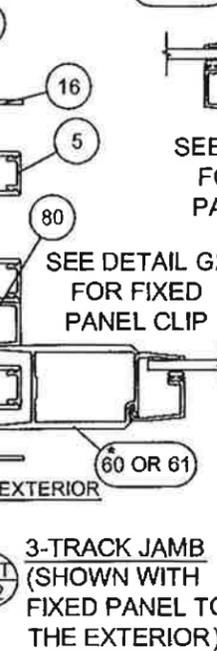
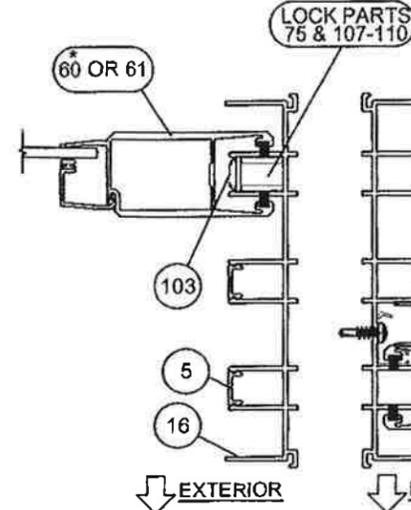
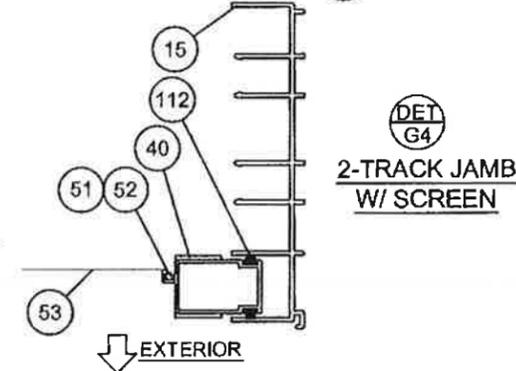
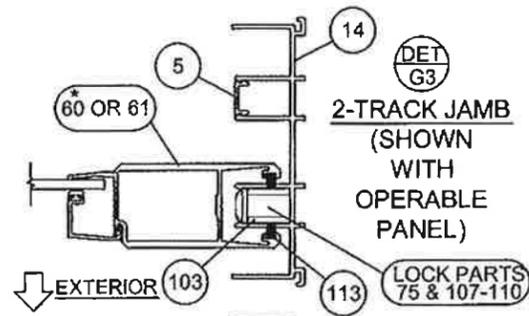
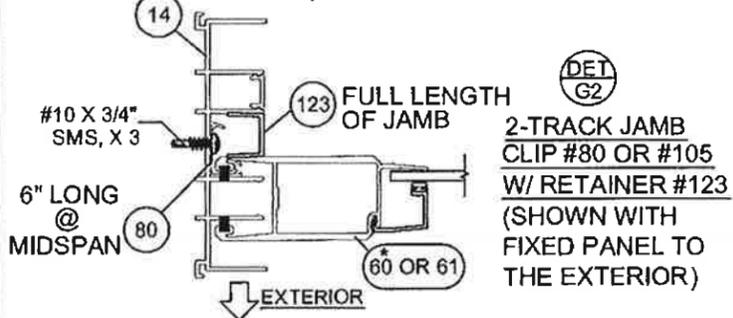
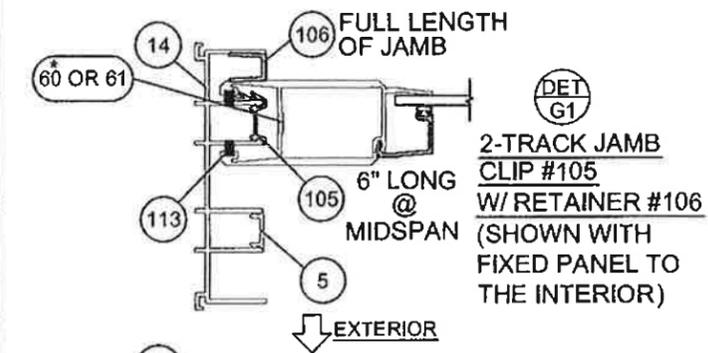
1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941)-480-1600  
 CERT. OF AUTH. #29296



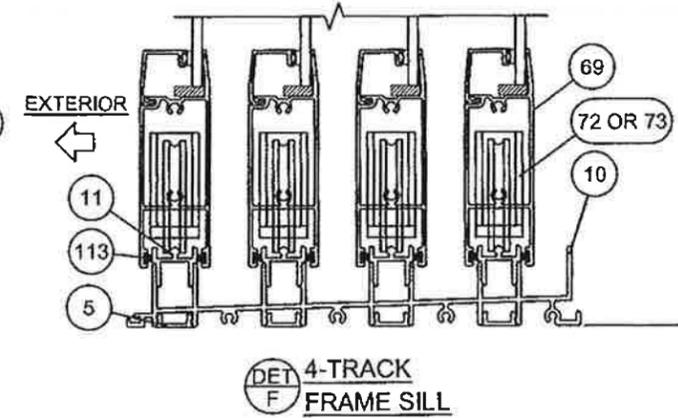
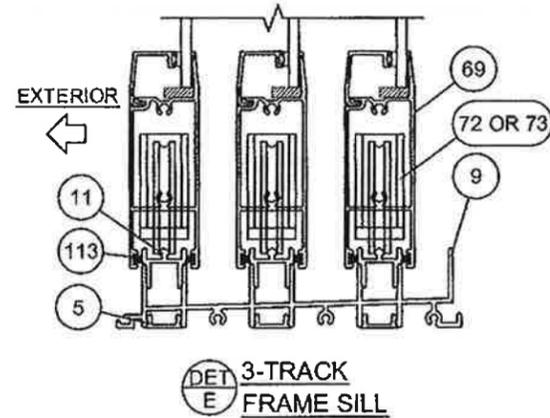
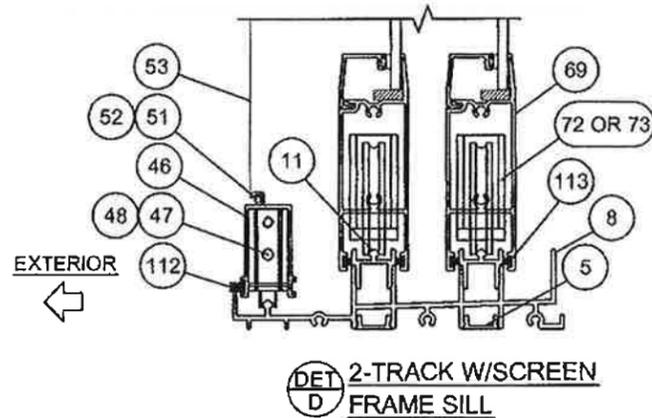
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Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-670	NTS	17 of 22	PGT0128
Rev:			

# ASSEMBLY DETAILS

(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



MAX. UNIT HEIGHT PER TABLES 1-3



\* ITEM 61 SHOWN, ITEM 60 ALSO APPLICABLE, SEE TABLES 1-3, SHEETS 6-8 FOR DP (PSF) ASSOCIATED WITH STILE.

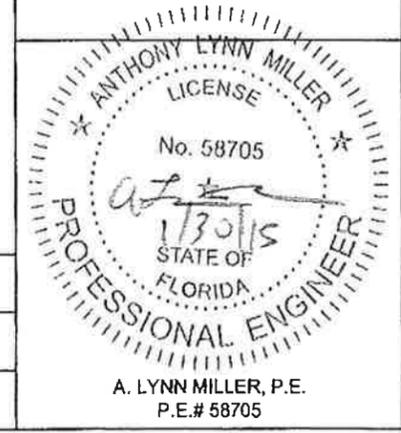
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE  
N. VENICE, FL 34275  
(941)-490-1600  
CERT. OF AUTH. #29298



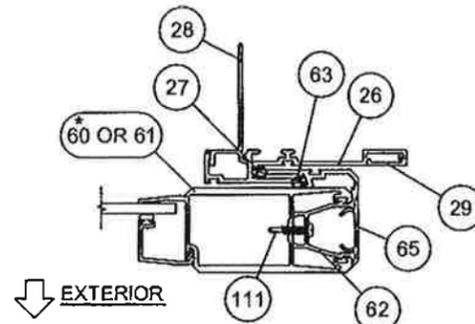
Description: <b>VERTICAL SECTION DETAILS</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model: SGD-670	Scale: NTS	Sheet: 18 of 22	Drawing No.: PGT0128
Rev:		Rev:	

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as complying with the Florida  
Building Code  
Acceptance No. 14-0123-11  
Expiration Date 4/7/20  
By: [Signature]  
Miami Dade Product Control

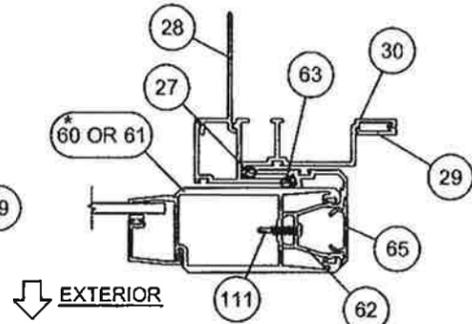


# ASSEMBLY DETAILS

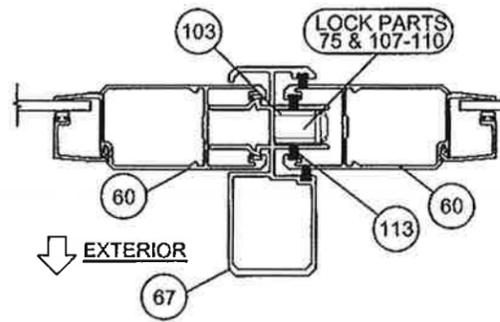
(SEE SHEETS 12-14 FOR FOR INSTALLATION DETAILS)



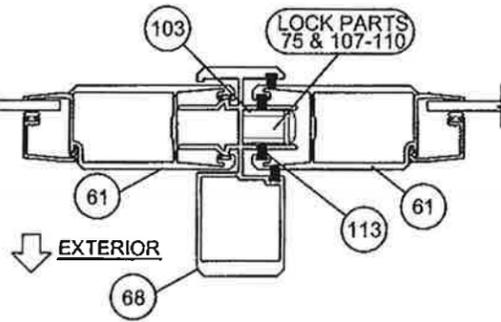
DET J P-HOOK FOR FLAT SILLS (EXT. OR INT. MOUNT)



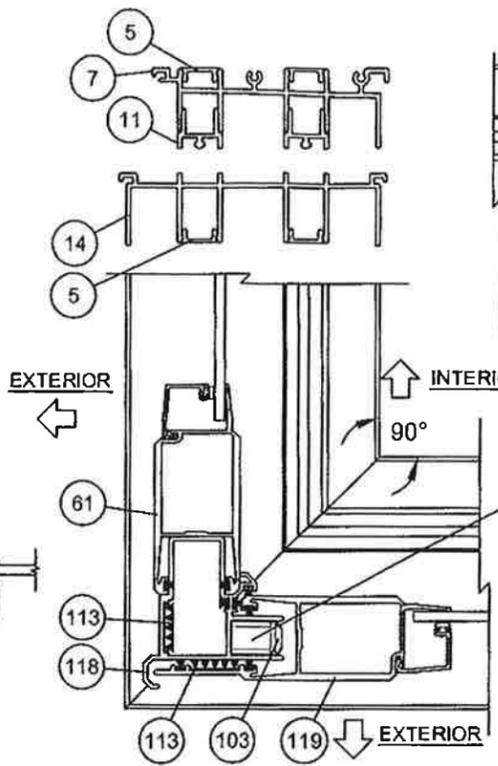
DET K P-HOOK FOR BOX SILLS EXT. MOUNT ONLY



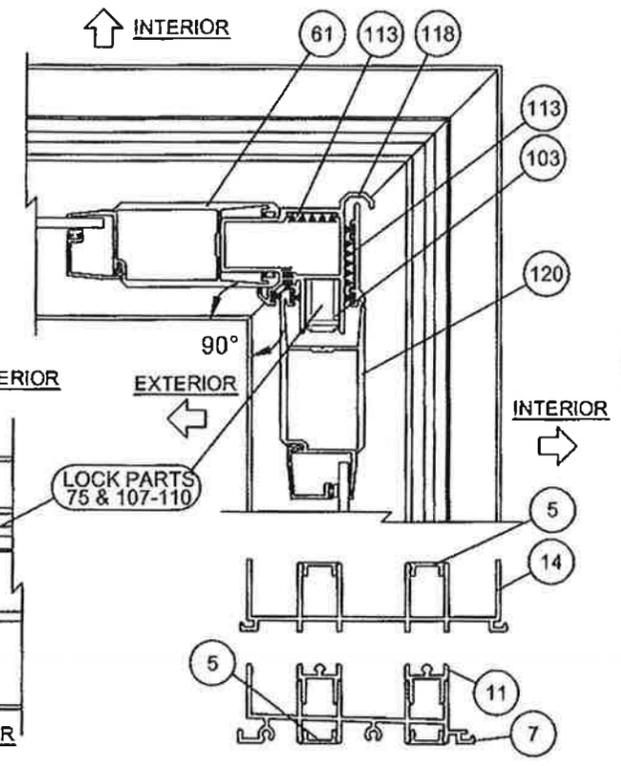
DET L1 STANDARD ASTRAGAL #67 WITH STANDARD STILES #60 EXTERIOR BOX ASTRAGAL SHOWN (BOX-OUT) MAY ALSO BE INSTALLED TOWARDS INTERIOR (BOX-IN)



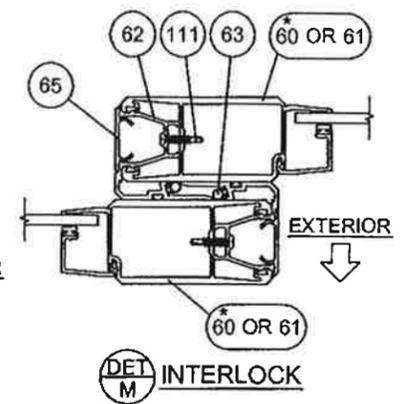
DET L2 HEAVY-DUTY ASTRAGAL #68 WITH HEAVY-DUTY STILES #61 EXTERIOR BOX ASTRAGAL SHOWN (BOX-OUT) MAY ALSO BE INSTALLED TOWARDS INTERIOR (BOX-IN)



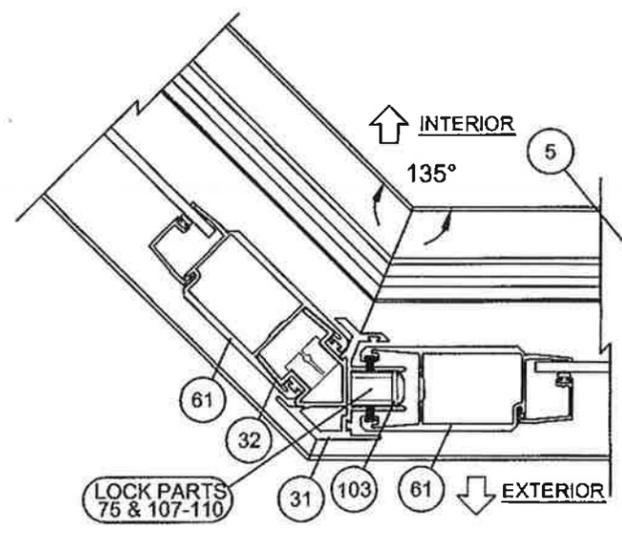
DET N1 90° OUTSIDE CORNER 2-TRACK SHOWN



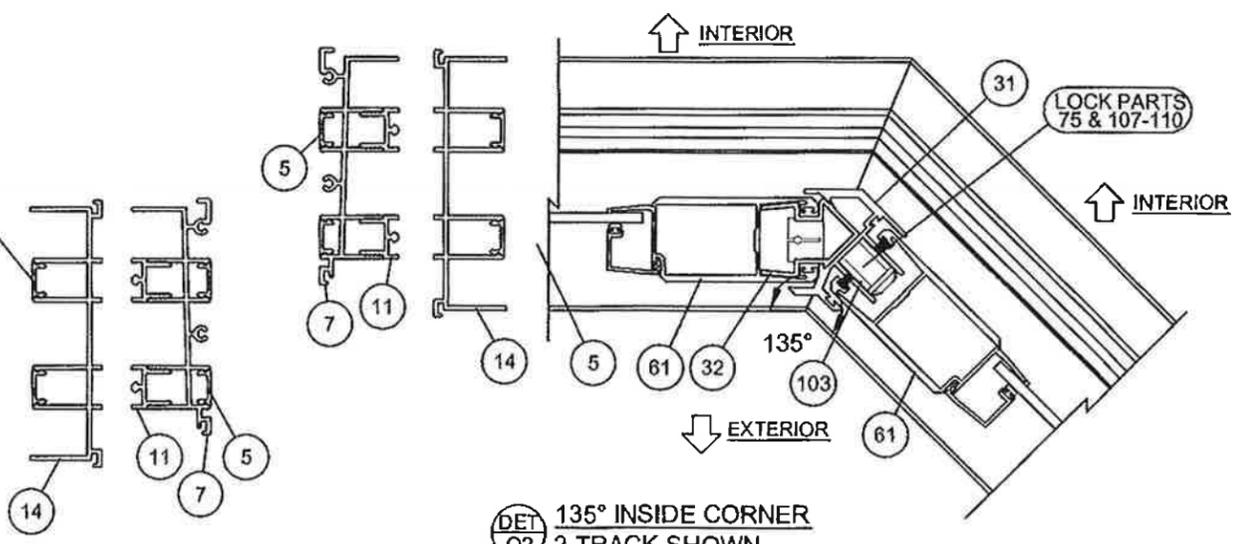
DET N2 90° INSIDE CORNER 2-TRACK SHOWN



DET M INTERLOCK



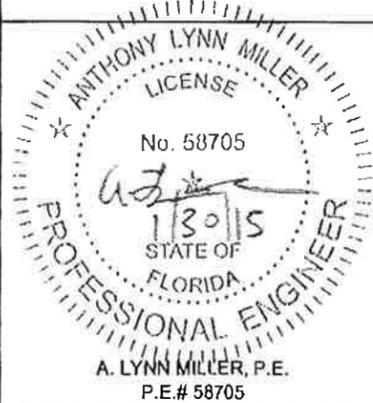
DET O1 135° OUTSIDE CORNER 2-TRACK SHOWN



DET O2 135° INSIDE CORNER 2-TRACK SHOWN

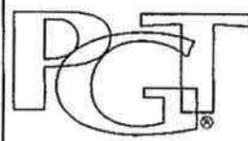
\* ITEM #61 (HEAVY-DUTY STILE) SHOWN, ITEM #60 (STANDARD STILE) ALSO APPLICABLE, SEE TABLES 1-3, SHEETS 6-8 FOR DP (PSF) ASSOCIATED WITH STILES.

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 14-0123-11  
 Expiration Date 4/7/20  
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 Material Data Product Control



Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Revised By:	Date:	Revisions:
Drawn By:	Date:	Checked By:
JR	02/20/14	

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941)-480-1600  
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Description: <b>HORIZONTAL SECTION DETAILS, CORNERS</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model:	Scale:	Sheet:	Drawing No.
SGD-670	NTS	19 of 22	PGT0128
Rev.			

Item #	PGT Dwg. #	PGT #	Description
1	17306	617306	2-TRACK HEAD
2	17303	617303	2-TRACK HEAD WITH SCREEN RAIL
3	17309	617309	3-TRACK HEAD
4	17312	617312	4-TRACK HEAD
5	17314	617314	FRAME SCREW COVER
6	17317	617317	FRAME HEAD/JAMB SCREEN ADD-ON
7	17304	617304	2-TRACK SILL
8	17301	617301	2-TRACK SILL WITH SCREEN RAIL
9	17307	617307	3-TRACK SILL
10	17310	617310	4-TRACK SILL
11	17313	617313	FRAME SILL TRACK INSERT
12	17315	617315	FRAME SILL SCREEN ADD-ON (SEE NOTE 3)
13	17316	617316	FRAME SILL SCREEN END ADD-ON (SEE NOTE 3)
14	17305	617305	2-TRACK JAMB
15	17302	617302	2-TRACK JAMB WITH SCREEN RAIL
16	17308	617308	3-TRACK JAMB
17	17311	617311	4-TRACK JAMB
18	17322	617322	SILL RISER - FLAT, FLUSH, 1-1/2"
19	17319	617319	SILL RISER - BOX, FLUSH, 1-1/2"
20	17321	617321	SILL RISER - FLAT, LOW, 2-1/2"
21	17318	617318	SILL RISER - BOX, LOW, 2-1/2"
22	17355	617355	SILL RISER - FLAT, MEDIUM, 3-1/4"
23	17354	617354	SILL RISER - BOX, MEDIUM, 3-1/4"
24	17323	617323	SILL RISER - FLAT, HIGH, 4"
25	17320	617320	SILL RISER - BOX, HIGH, 4"
26	17333	617333	POCKET P-HOOK
27	7070	67070	NEOPRENE BULB WSTP FOR P-HOOK
28	17334	617334	POCKET P-HOOK MOUNT
29	17335	617335	P-HOOK COVER
30	17348	617348	POCKET P-HOOK FOR BOX RISER
31	17376	617376	135 CORNER
32	17378	617378	135 FIXED MOUNT
ITEMS 40-53 ARE SCREEN PARTS:			
40	4319	612258	SCREEN SIDE RAIL - LOCKSTILE
41		7LOCKWGSK	SCREEN LOCKSET
42		41818	SCREEN KEEPER SPACER SET
43	8152	68152	SCREEN INTERLOCK ADAPTER
44	4428	64428	SCREEN DOUBLE INTERLOCK
45	4317	612258	SCREEN TOP RAIL
46	4318	612257	SCREEN BOTTOM RAIL
47	668	7SRAZ	STANDARD ROLLER
48	868	7SRAX	STANDARD ROLLER - ST. STL.
49	4344	64344	SCREEN ASTRAGAL
50	17349	617349	OXO SCREEN ASTRAGAL ADAPTER
51	1692	61692	SCREEN SPLINE - .165"
52	1694	61694	SCREEN SPLINE - .150"
53		61816C20	SCREEN CLOTH
54	1725		1/2" X 4" X 1/16" SET. BLOCK, NEOPRENE 85 +/-5
55	1726		1" X 4" X 1/16" SET. BLOCK, NEOPRENE 85 +/-5

Item #	PGT Dwg. #	PGT #	Description
56			QUANEX/TRUSEAL DURASEAL SPACER (COMPOSITE SEALANT/DESSICANT)
60	17325	617325	PANEL STILE
61	17326	617328	PANEL STILE (HEAVY DUTY)
62	17327	617327	INTERLOCK ADAPTOR
63	1225	8TP248	VINYL BULB WSTP. - THIN (INSIDE INTERLOCK)
64	1729	71729	SILL END WEATHERSTRIP PAD
65	17328	617328	INTERLOCK SCREW COVER
67	17329	617329	ASTRAGAL
68	17339	617339	HEAVY DUTY ASTRAGAL
69	17324	617324	TOP & BOTTOM RAIL
70	17350	417350	WEATHERSTRIP EXTENSION (INJECTION MOLDED)
71	1695	71695	1-1/2" X 1" X 3/4" HIGH FIN SEAL DUST PLUGS
72	8153	78153X	TANDEM ST. STL. ROLLER ASSY.
73	8153	78153N	TANDEM NYLON ROLLER ASSY.
74		SILICONE	DOW-899, DOW-995 OR GE-7700
75	8185	78185X	GEMINI MORTICE 3-PLY DUAL LOCK W/LONG TRIM PLATE
76		71032X1FPFX	#10-32 X 1" FL. SS SCREW W/ TYPE "F" TIP
77		7103239	10-32 STEEL ZINC U-NUT
78	17358	617358	3/16 & 1/4" BEAD
79	17357	617357	1" IG BEAD
80	17359	617359	7/16" BEAD / FIXED PANEL CLIP
82	1224	6TP247K	VINYL BULB WEATHERSTRIP
83	61745	1745	LOWE INC, 1/2" X 1/16" SGL. SIDE ADH. TAPE, POLYETH.
100	8052	48052	ROLLER ADJ. HOLE PLUG
101		72087	JAMB BUMPER
102	1696	71696	DUST PLUG
103	8186	78186X	1" KEEPER
104	653	7SDKEEP	SCREEN LOCK KEEPER
105	17344	617344	FIXED PANEL CLIP - 6" LONG
106	17352	617352	FIXED PANEL RETAINER - 9/16"
107	1739	71739	HANDLE KIT - INTERIOR RAISED WITH THUMB TURN, USED WITH #75
108	1740	71740	HANDLE KIT - RAISED EXTERIOR HANDLE, USED WITH #75
109	1731	78162SN	HANDLE KIT - RECESSED INT. WITH THUMB TURN, USED WITH #75
110	1732	78178	HANDLE KIT - RECESSED EXTERIOR PULL, USED WITH #75
111		710X34PPSDAX	#10 X 3/4" PH. PN. TEK - S.S.
112	1235	67S16	WSTP, .270 X .170 - FIN SEAL
113	1712	64066	.187" X .230" FINSEAL
114		710X115PPX	#10 X 1-1/2"
115		710XPPT	#10 X 1"
116		720X1X	#14-20 X 1" S.S.
117		720X112X	#14-20 X 1-1/2" S.S.
118	17336	617336	90 DEGREE CORNER RECEIVER
119	17337	617337	90 DEGREE OUTSIDE CORNER ASTRAGAL
120	17338	6117338	90 DEGREE INSIDE CORNER ASTRAGAL
123	17352	617352	FIXED PANEL RETAINER, 7/8"

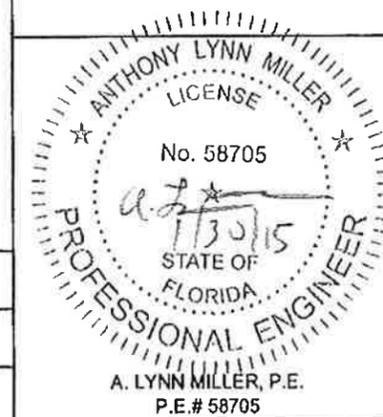
NOTES:

1) ALL ALUMINUM = 6063-T6

2) ITEMS # 33-39, 57-59, 66, 81, 84-99, 121 & 122 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

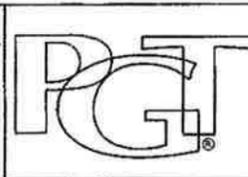
3) USE OF #12 OR #13 REQUIRES MIN. #10 SMS OR 3/16" MASONRY ANCHORS @ 24" MAX. O.C.

PRODUCT REVISIONS  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-0123-11  
 Expiration Date 4/7/20  
 By *[Signature]*  
 Miami Date Product Control



Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Revised By:	Date:	Revisions:	
Drawn By:	Date:	Checked By:	Date:
JR	02/20/14		

1070 TECHNOLOGY DRIVE  
 N. VENICE, FL 34275  
 (941)-480-1600  
 CERT. OF AUTH. #29298



Description: <b>PARTS LIST</b>			
Title: <b>SERIES 670 ALUM. SGD - NON-IMPACT</b>			
Series/Model: SGD-870	Scale: NTS	Sheet: 20 of 22	Drawing No.: PGT0128



