



**City of Belle Isle Job Site Card Window/Door PERMIT 2018- 04 - 057**

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

Permit Number: 2018- 04-057  
Site Address: 3564 Country Lakes Dr. 32812  
Class:  Residential  
Description of Work: Replace (6) six windows size for size

Issue Date:4/23/2018  
Parcel 20-23-30-1678-00-100  
Subdivision:

Issued To: Pella Window and Doors  
Name: ROWLAND, JAMES SAMUEL

Business Phone: 407 831-0600  
Contractor License # CBC046712

Payment Date & Method: 4 / 23 / 2018  
 Visa  Master Card  Amex  Discover  Check / Money Order # 6176

Schedule Inspections via Email at: [BI scheduling@universalengineering.com](mailto:BI scheduling@universalengineering.com)  
**SCHEDULE INSPECTIONS BY 4PM CUT OFF TIME**  
**Inspection Results Will Be Sent Out the Following Business Day**

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

Window/Door	INSPECTOR	DATE	COMMENTS
900 In-Progress			
910 Final			

Inspection requests are to be emailed to [BI scheduling@UniversalEngineering.com](mailto:BI scheduling@UniversalEngineering.com); a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 4pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.



RECEIVED  
APR 19 2018  
BY:

City of Belle Isle

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

APPLICATION FOR SIZE-FOR-SIZE  
WINDOW / DOOR PERMIT

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

DATE OF APPLICATION: \_\_\_\_\_

PERMIT NUMBER: 2018-04-057

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

Project Address 3564 Country Lakes Dr Belle Isle, FL 32909 X 32812

Property Owner Richard Faucez Phone 407-716-2172

Property Owner's Mailing Address 3564 Country Lakes Dr City Belle Isle

State FL Zip Code 32812 Parcel ID Number 20-23-30-1673-00-100

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

Type of Building: Residential  Commercial  Other

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

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

Number of Size-for-Size Windows: 6 Number of Size-for-Size Doors: \_\_\_\_\_ Job Valuation: 5720

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances. By signing below, I recognize Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-6000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

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

LICENSE HOLDER SIGNATURE \_\_\_\_\_ LICENSE # CBCC04671C

LICENSE HOLDER NAME James Rowland COMPANY NAME Pella Windows and Doors

Street Address 350 W SR 434

City Longwood State FL Zip Code 32750 Phone Number 407-831-0600

Email Address jonathon.thomas@expeditepermit.com

Zoning Fee	\$ <u>0</u>
Permit Fee	\$ <u>45.-</u>
Review Fee	\$ <u>22.50</u>
1% BCAB Fee	\$ <u>2.- min</u>
1.5% DCA Fee	\$ <u>2.- min</u>
Total Permit Fee	\$ <u>71.50</u>

Building Official: SM Date: 4-23-18  
Verified Contractor's Licenses & Insurance are on file [Signature] Date: 4-19-2018

PENDING STATE NOCC ✓  
LOCAL LIC ✓  
NIA ✓  
LST LIC 25  
5x4 20  
45 ÷ 2  
22.50  
67.50

PAID  
4-23-2018  
URSA 6176



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

**CONSTRUCTION INDUSTRY LICENSING BOARD  
2601 BLAIR STONE ROAD  
TALLAHASSEE FL 32399-0783**

(850) 487-1395

ROWLAND, JAMES SAMUEL  
PELLA WINDOWS AND DOORS  
8326 CREEDMOOR LANE  
NEW PORT RICHEY FL 34654

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

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

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



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

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

<b>LICENSE NUMBER</b>	
CBC046712	

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



ROWLAND, JAMES SAMUEL  
PELLA WINDOWS AND DOORS  
8326 CREEDMOOR LANE  
NEW PORT RICHEY FL 34654



ISSUED: 07/06/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L160706000783



# CERTIFICATE OF LIABILITY INSURANCE

9/1/2018

DATE (MM/DD/YYYY)

8/16/2017

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

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

PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME:	
	PHONE (A/C, No., Ext):	FAX (A/C, No):
INSURED 1381272 PWD-ORLANDO, INC. (DBA PELLA WINDOWS AND DOORS) 350 WEST STATE ROAD 434 LONGWOOD, FL 32750	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Steadfast Insurance Company	NAIC # 26387
	INSURER B: Old Republic Insurance Company	24147
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES \* CERTIFICATE NUMBER: 12959679 REVISION NUMBER: XXXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input checked="" type="checkbox"/> OTHER: SIR Applies Per Policy Terms & Conditions	N	N	MWZY-310973	1/19/2018	9/1/2018	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ Excluded MED EXP (Any one person) \$ Excluded PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMPIOP AGG \$ 7,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	N	N	MWTB-310972	1/19/2018	9/1/2018	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE  DED RETENTION \$	N	N	IPR346040108	1/19/2018	9/1/2019	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$ XXXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	NOT APPLICABLE			PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX

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

<b>CERTIFICATE HOLDER</b> 12959679 CITY OF BELLE ISLE 1600 NELA AVENUE ORLANDO, FL 32809	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE <i>Joseph M. Agnello</i>
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
08/31/2017

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

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

PRODUCER Holmes Murphy & Assoc - WDM PO Box 9207 Des Moines, IA 50306-9207	1-800-247-7756	CONTACT NAME: PHONE: (A/C, No, Ext): E-MAIL: ADDRESS:	FAX: (A/C, No):
INSURED PWD-Orlando, Inc. dba Pella Windows and Doors 350 West State Road 434 Longwood, FL 32750		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: SENTRY CAS CO	28460
		INSURER B:	
		INSURER C:	
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES      CERTIFICATE NUMBER: 50698274      REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJ <input type="checkbox"/> LOC					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COM/OP AGG \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE  DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		9003379	09/01/17	09/01/18	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

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

<b>CERTIFICATE HOLDER</b> City of Belle Isle  1600 Nela Ave  Orlando, FL 32809  USA	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# BUSINESS TAX RECEIPT

CITY OF LONGWOOD  
175 W. WARREN AVENUE  
LONGWOOD, FL 32750

2017-2018

Phone: (407)260-3440  
<http://www.longwoodfl.org>

Receipt #: 18-00770

Issued Date: 09/21/17

Effective Date: 10/01/17

Expiration Date: 09/30/18

License Type: RETAIL MERCHANTS/1 TO 5 EMP

Business Name: PELLA WINDOWS AND DOORS

Business Location: 350 W SR 434

DORMAN, JOEL H  
350 W SR 434  
LONGWOOD, FL 32750



RECEIPT MUST BE CONSPICUOUSLY DISPLAYED AT BUSINESS LOCATION.

PELLA WINDOWS AND DOORS  
DORMAN, JOEL H  
350 W SR 434  
LONGWOOD, FL 32750

20604-057

DOC # 20180231333  
04/18/2018 09:51 AM Page 1 of 1  
Rec Fee \$10.00  
Deed Doc Tax \$0.00  
Mortgage Doc Tax \$0.00  
Intangible Tax \$0.00  
Phil Diamond, Comptroller  
Orange County FL  
Ret To: SIMPLIFILE LC

Permit Number: \_\_\_\_\_  
Folio/Parcel ID #: 26-23-50-1678-00-100  
Prepared by: B. Stevens

Return to: Pella Windows & Doors  
350 W. State Road 434  
Longwood FL 32750

**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):  
Country Lakes 813 Lake 30 FT Vac ST on 3 AS PER 09 3409/0073
2. General description of improvement:  
Window 3564 Country Lakes Dr Belle Is. FL 32812
3. Owner information or Lessee information if the Lessee contracted for the improvement:  
Name Richard R. Keri Fournier  
Address 3564 Country Lakes Dr Belle Is. FL 32812  
Interest in Property OWNER  
Name and address of fee simple titleholder (if different from Owner listed above):  
Name \_\_\_\_\_  
Address \_\_\_\_\_
4. Contractor:  
Name Pella Windows & Doors Telephone Number 4079372848  
Address 350 W. State Road 434 Longwood FL 32750
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):  
\_\_\_\_\_

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 1, 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.

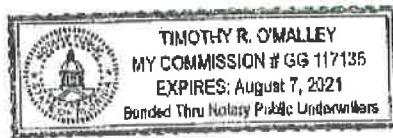
Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager: [Signature]  
Signature's Title/Office: Herri Fournier

The foregoing instrument was acknowledged before me this 30 day of Mar, 18 by Herri Fournier  
month/year name of person

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

Signature of Notary Public - State of Florida: [Signature]  
Print, type, or stamp commissioned name of Notary Public: Tim Omalley

Personally Known OR Produced ID X  
Type of ID Produced DL





WINDOWS & DOORS

350 State Road 434 W  
Longwood, Florida 32750  
407 831 0600  
FAX: 407 339 7742

**Authorization Letter / Power of Attorney**


I, James Samuel Rowland, do hereby authorize the following persons to act as agents on behalf of myself and Pella Windows & Doors to pull and sign for any permits submitted under my Florida State contractor License number CBC046712.

Authorized Persons:

Brian Kirby  
Tim O'Malley  
Christine O'Malley  
Erick DeDios  
Aaron Hallich  
David Weed

Owner: Richard & Kerr, Faucez  
3564 Country Lakes Dr  
~~Orlando~~ FL 32812  
Belle Isle

Regards,

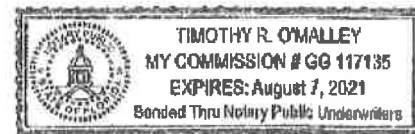
  
James Samuel Rowland  
Qualifier CBC046712  
Pella Windows & Doors

STATE OF FLORIDA  
COUNTY OF LAKE

The foregoing instrument was acknowledged before me this 16<sup>th</sup> day of April, 2018  
by JAMES SAMUEL ROWLAND, who is personally known to me.

  
Notary Public

(Seal)

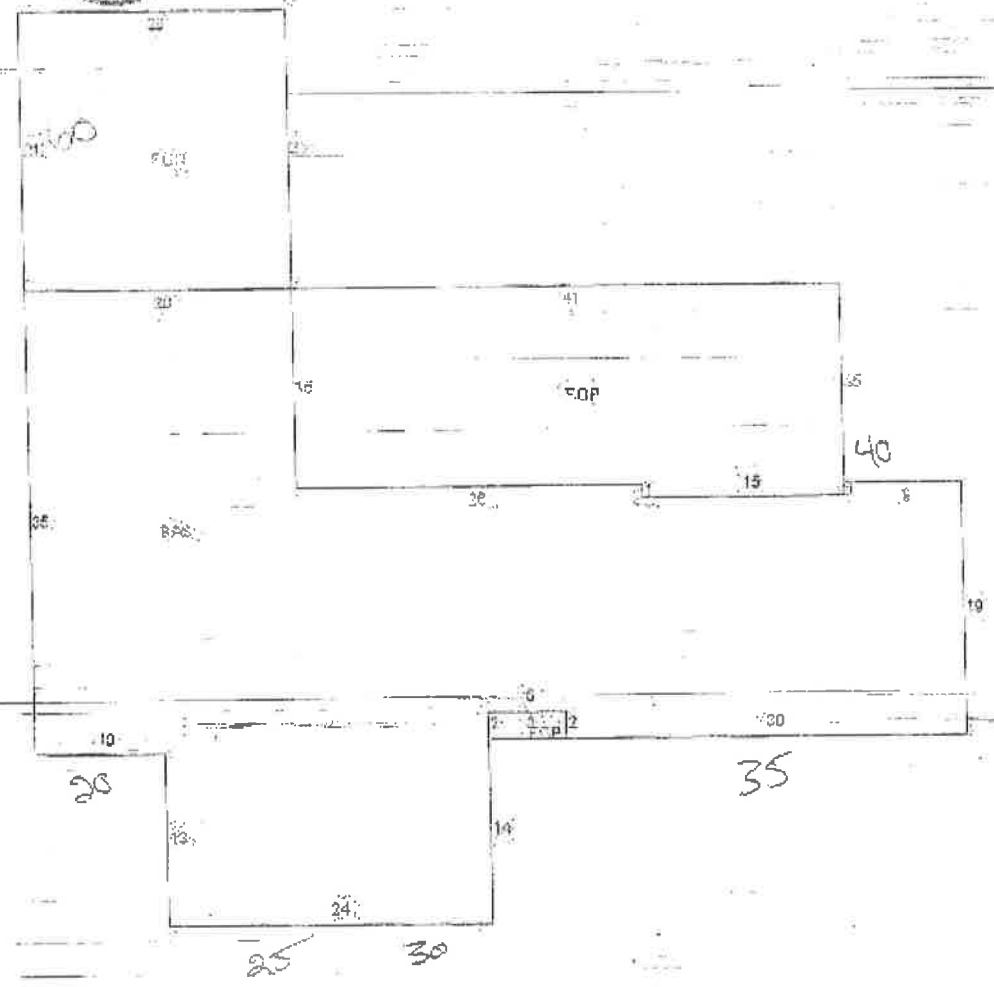


Print Name

My commission expires: \_\_\_\_\_

VIEWED TO BE THE BEST







**RICK SINGH, CFA - ORANGE COUNTY PROPERTY APPRAISER**

Searches

Sales Search

Results

Property Record Card

My Favorites

Sign up for e-Notify...

**3564 Country Lakes Dr** < 20-23-30-1678-00-100 >

Name(s)

Fourez Richard J  
Fourez Kerri L

Physical Street Address

3564 Country Lakes Dr  
Orlando, FL 32812

Mailing Address On File

3564 Country Lakes Dr  
Belle Isle, FL 32812-3505

Property Use

0103 - Single Fam Class III  
Municipality  
Belle Isle



**View 2017 Property Record Card**

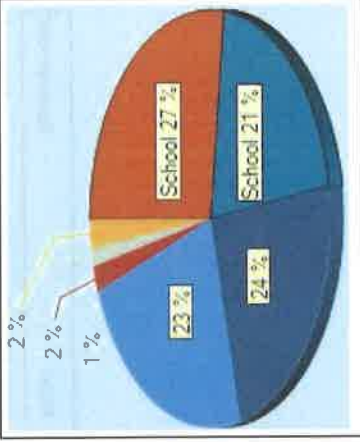
Property Features | Values, Exemptions and Taxes | Sales Analysis | Location Info | Market Stats | Update Information

**Historical Value and Tax Benefits**

Has Homestead in 2018

Tax Year Values	Land	Building(s)	Feature(s)	Market Value	Assessed Value
2017	\$60,000	+	\$156,123	+	\$175,025 (2.1%)
2016	\$55,000	+	\$151,592	+	\$171,425 (.70%)
2015	\$55,000	+	\$140,979	+	\$170,233 (.80%)
2014	\$50,000	+	\$113,841	+	\$168,882
Tax Year Benefits	Original Homestead	Additional Hx	Other Exemptions	SOH Cap	Tax Savings
2017	\$25,000	\$25,000	\$0	\$55,098	\$1,638
2016	\$25,000	\$25,000	\$0	\$49,667	\$1,571
2015	\$25,000	\$25,000	\$0	\$40,746	\$1,441
2014	\$25,000	\$25,000	\$0	\$3,459	\$772

**2017 Tax Breakdown**



**2017 Taxable Value and Certified Taxes**

TAX YEAR | 2017 • 2016 • 2015 • 2014

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

4/23/2018



**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)

**Product Approval Form**

DATE: \_\_\_\_\_

PERMIT # 2018-04-057

PROJECT ADDRESS 3564 Country Lakes Dr, Belle Isle, FL 32809 ~~X~~ 32812

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

**NOTE: The Installation Instructions must be posted on-site before your first inspection!!**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
<b>EXTerior DOORS</b>				<b>W/In DOORS</b>			
Swinging				Sliding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
<b>WINDOWS</b>				<b>ROOFING PRODUCTS</b>			
Single/Dbt Hung	Pella Corp	250 ✓	16811-2	Asphalt Shingles			
Horizontal Slider			17464.1	Non Struct Metal			
Casement				Roofing Tiles			
Fixed	Pella Corp	250	16811-2	Single Ply Roof			
Mullion	Pella Corp	250 w/11	17464.1	Underlayment			
Skylights				Other			
Other							
<b>STRUCTURAL COMPONENTS</b>				<b>OTHER</b>			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

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

Applicant Signature \_\_\_\_\_

Date \_\_\_\_\_

FLORIDA DEPARTMENT OF  
**Business & Professional Regulation**



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**Product Approval**  
USER: Public User

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

OFFICE OF THE SECRETARY

FL #	FL16812-R3						
Application Type	Affirmation						
Code Version	2017						
Application Status	Approved						
Comments							
Archived							
Product Manufacturer	Pella Corporation						
Address/Phone/Email	102 Main St. Pella, IA 50219 (641) 621-6096 pellaproductapproval@pella.com						
Authorized Signature	Beth Phelps phelpsba@pella.com						
Technical Representative	TROY FARR						
Address/Phone/Email	18600 NE WILKES ROAD PORTLAND, OR 97230 (503) 405-9176 tfarr@pella.com						
Quality Assurance Representative	Pat Bortscheller						
Address/Phone/Email	102 Main Street Pella, IA 50219 (641) 621-1000 PJBortscheller@pella.com						
Category	Windows						
Subcategory	Single Hung						
Compliance Method	Certification Mark or Listing						
Certification Agency	Window and Door Manufacturers Association						
Validated By	Terrence E. Lunn, PE <input type="checkbox"/> Validation Checklist - Hardcopy Received						
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/CSA 101/I.S.2/A440-08</td> <td>2008</td> </tr> <tr> <td>AAMA/WDMA/CSA 101/I.S.2/A440-11</td> <td>2011</td> </tr> </tbody> </table>	<b>Standard</b>	<b>Year</b>	AAMA/WDMA/CSA 101/I.S.2/A440-08	2008	AAMA/WDMA/CSA 101/I.S.2/A440-11	2011
<b>Standard</b>	<b>Year</b>						
AAMA/WDMA/CSA 101/I.S.2/A440-08	2008						
AAMA/WDMA/CSA 101/I.S.2/A440-11	2011						
Equivalence of Product Standards Certified By							

I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.

Documentation from approved Evaluation or Validation Entity  Yes  No  N/A

Product Approval Method Method 1 Option A

Date Submitted 12/05/2017  
 Date Validated 12/05/2017  
 Date Pending FBC Approval  
 Date Approved 12/06/2017

**Summary of Products**

FL #	Model, Number or Name	Description
16812.1	250 Series Single Hung Window	36" x 63" vinyl non-impact single window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.06_07.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/06/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.2	250 Series Single Hung Window	48" x 84" vinyl non-impact single window with fully reinforced stiles & rails
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.08_09.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/06/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.3	250 Series Single Hung Window	54" x 66" vinyl non-impact single window with fully reinforced stiles & rails & HP package
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.14_15.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/13/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.4	250 Series Single Hung Window	48" x 72" vinyl non-impact single window with fully reinforced stiles & rails & HP package
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.16_17.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/13/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.5	250 Series Single Hung Window	72 1/2" x 63" vinyl non-impact double window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.00_01.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/14/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b>

		<a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.6	250 Series Single Hung Window	96" x 72" vinyl non-impact double window with fully reinforced stiles & rails
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.18_19.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/09/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.7	250 Series Single Hung Window	72" x 65 1/2" vinyl non-impact double window with fully reinforced stiles & rails & HP package
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.20_21.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/09/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.8	250 Series Single Hung Window	108" x 63" vinyl non-impact triple window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.00_01.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 06/14/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.9	250 Series Single Hung Window	48" x 84" vinyl non-impact single window with transom with fully reinforced stiles & rails
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +35/-35 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL_411-H-1462.04_05.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 08/09/2021 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes
16812.10	250 Series Single Hung Window	42" x 83.5" vinyl non-impact single window with fully reinforced stiles & rails & HP package
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: Configurations of glass shall conform to the current ASTM E1300 standard.		<b>Certification Agency Certificate</b> <a href="#">FL16812_R3_C_CAC_CCL-PEL-H-1462.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 11/04/2025 <b>Installation Instructions</b> <a href="#">FL16812_R3_II_Drawing_1867.pdf</a> Verified By: Warren W. Schaefer 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL16812_R3_AE_Drawing_1867.pdf</a> Created by Independent Third Party: Yes

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

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**GENERAL NOTES:**

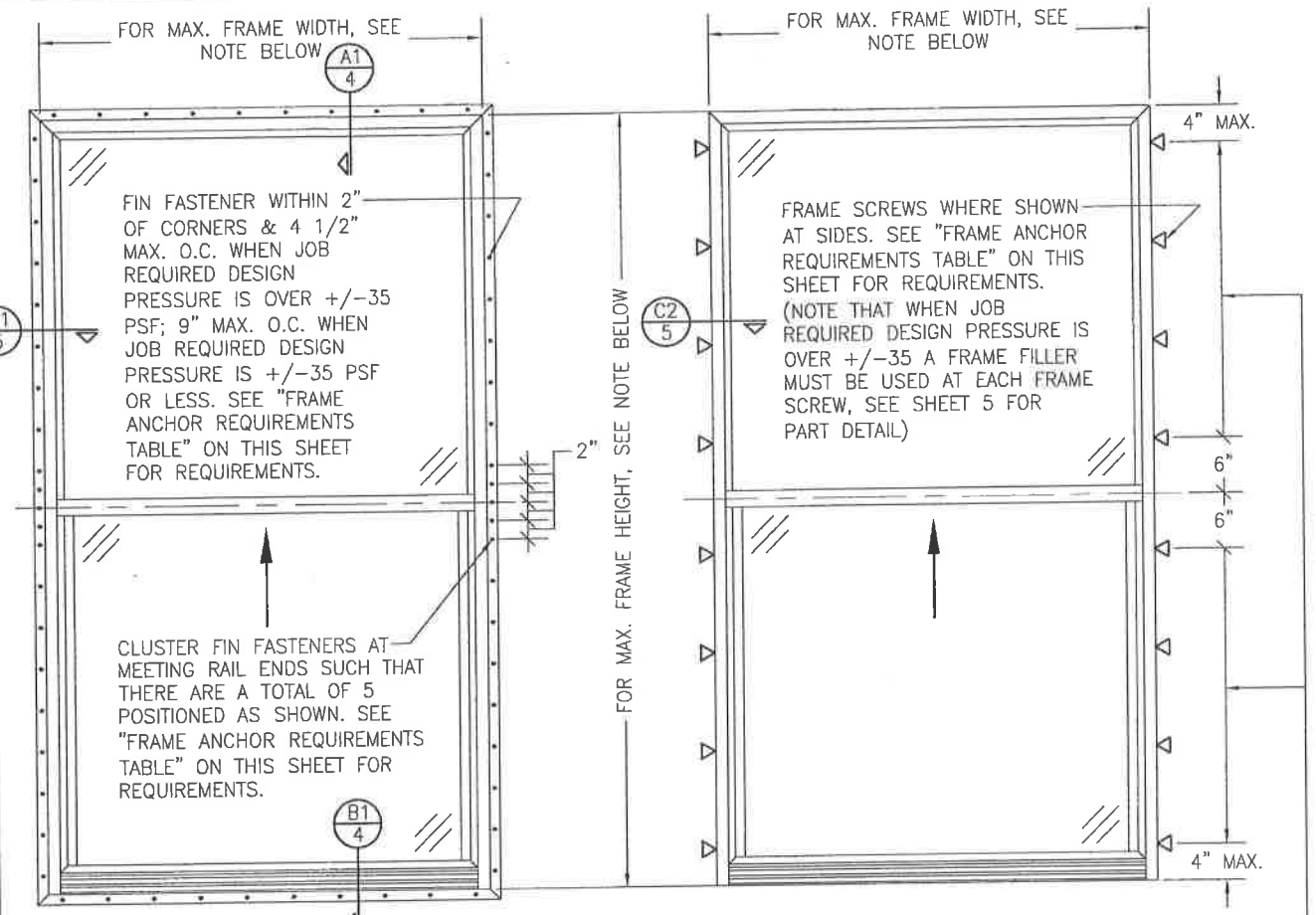
1. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
5. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
6. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/OA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
7. CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
8. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
9. THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(3) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- (1) FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW.
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).
- (3) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A PAN HEAD OR WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



**EXTERIOR ELEVATION:  
SINGLE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

**EXTERIOR ELEVATION:  
SINGLE WINDOW**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

**NOTE: FOR MAX. SINGLE WINDOW FRAME DIMENSIONS AND ALLOWABLE DESIGN PRESSURE, SEE APPLICABLE FLORIDA APPROVAL**

**ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:**  
ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

**SIDE JAMB ANCHOR SPACING TABLE**

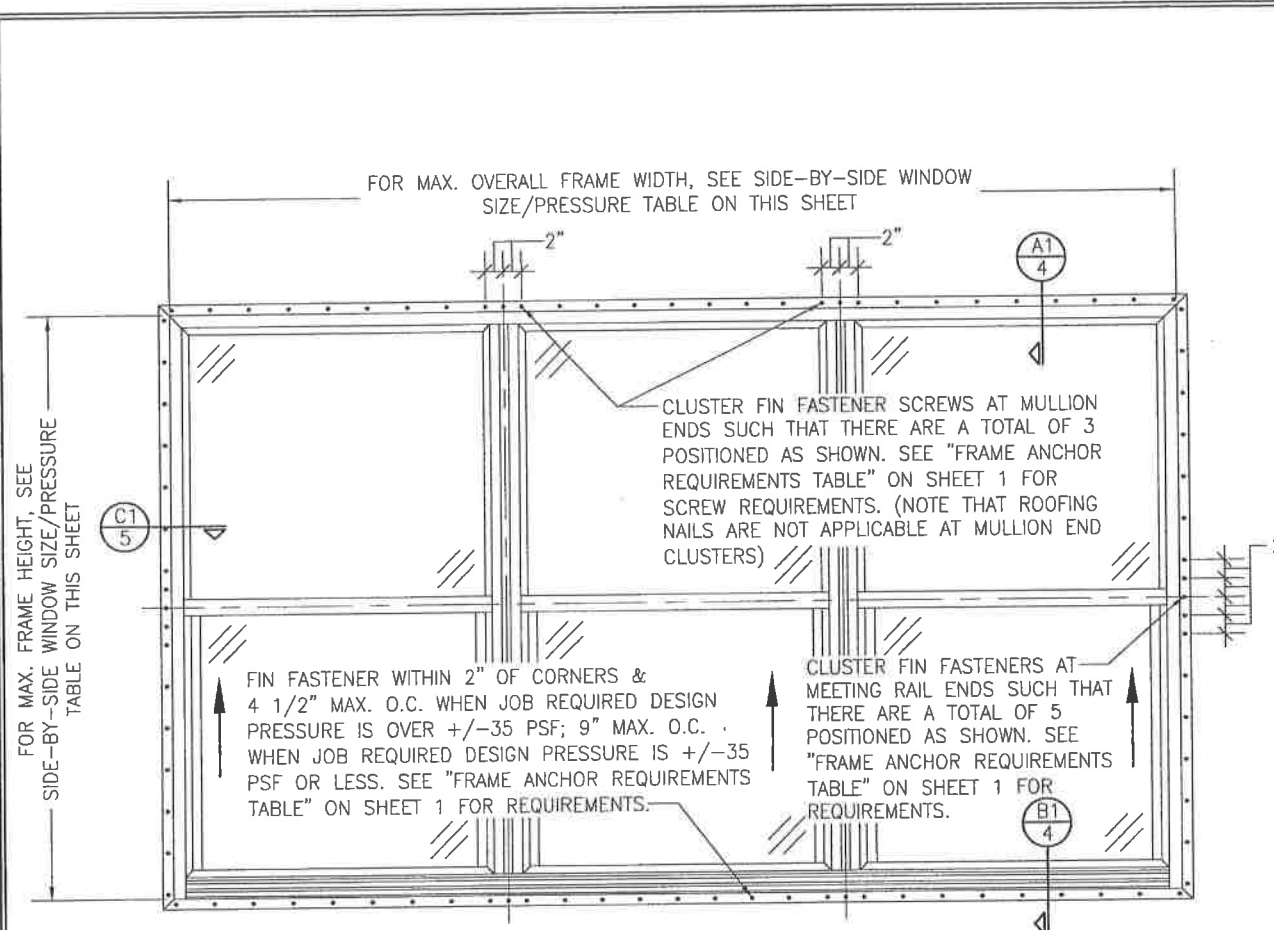
MAXIMUM FRAME WIDTH (IN.)	MAXIMUM O.C. SPACING (IN.)
54	12
48	13
36	17



THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

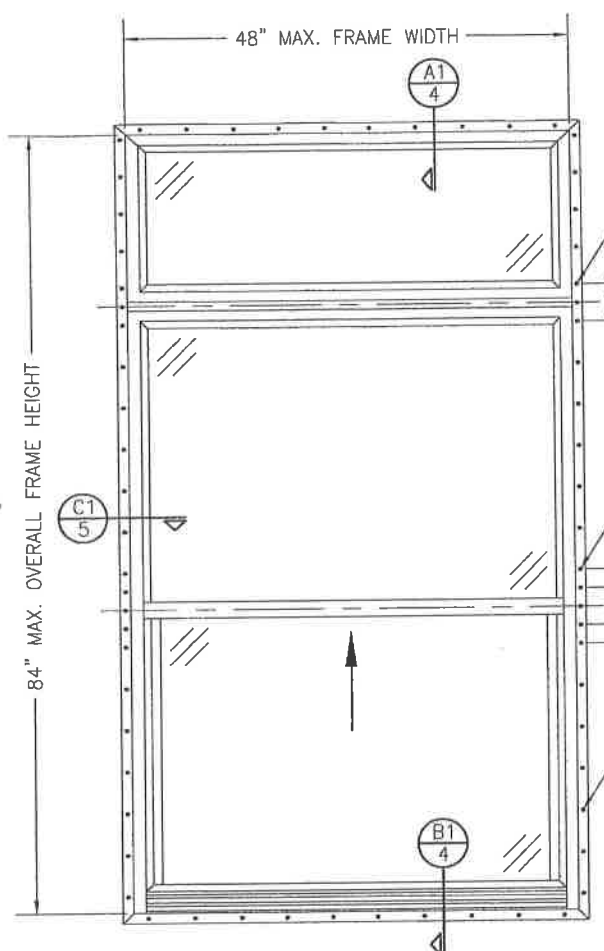
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 02/05/14
DATE: 03/08/16	BY: W.R.M.
NO. REVISION DESCRIPTION	DATE
1) UPDATE FOR NEW TESTING	
<b>PELLA CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000	
<b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b> MANUFACTURER <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL PHONE: 561-744-3424	
CERTIFICATE OF PROFESSIONAL ENGINEERING WARREN W. SCHAEFER, P.E. NO. 44135 STATE OF FLORIDA MAR 08 2016	
DRAWING NO. 1867	REV. A
SHEET NO. 1	OF 5





**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50



**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

<b>ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS ONLY)</b>
+/-35 PSF

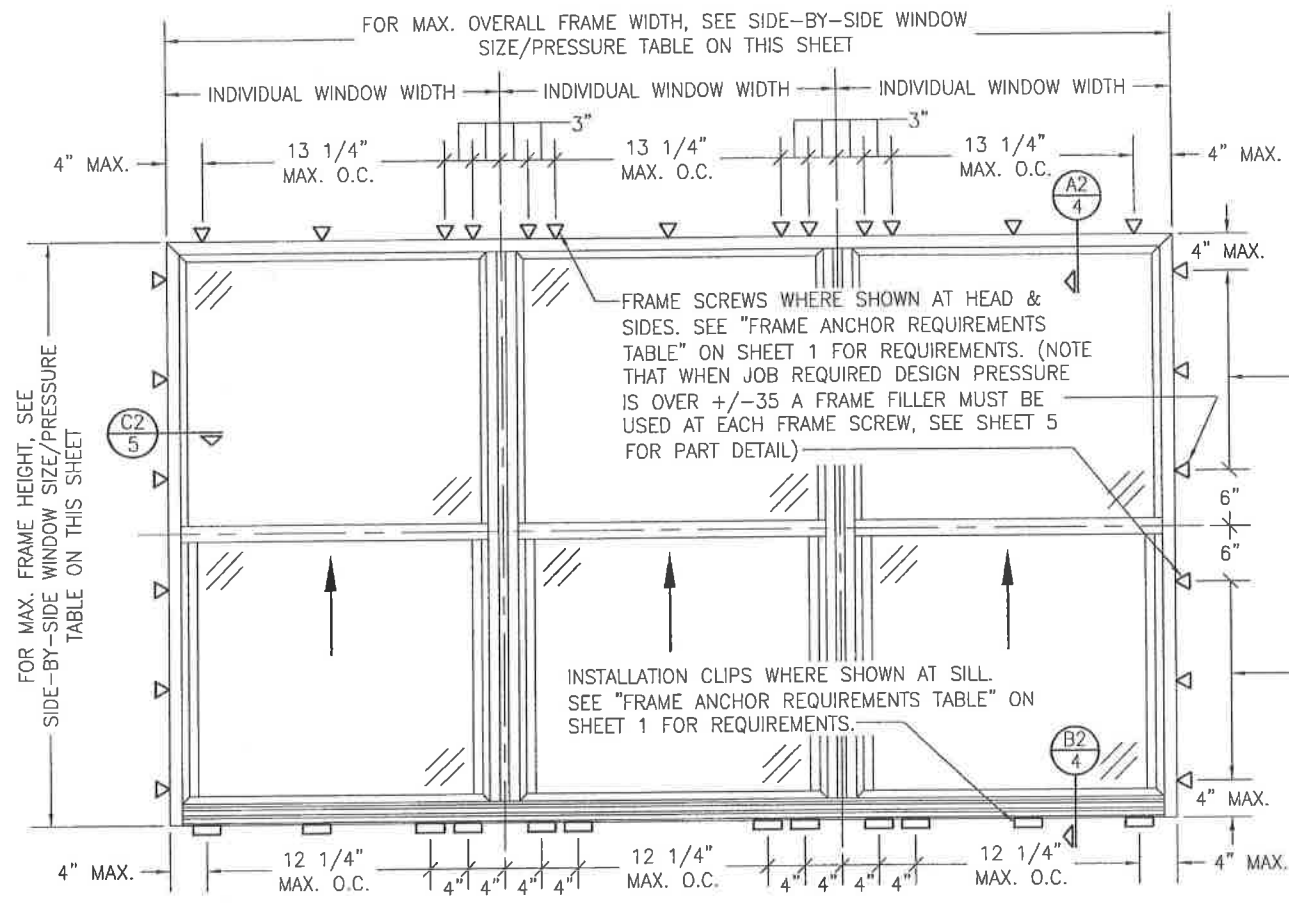
CLUSTER FIN FASTENER SCREWS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 3 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS. (NOTE THAT ROOFING NAILS ARE NOT APPLICABLE AT MULLION END CLUSTERS)

CLUSTER FIN FASTENERS AT MEETING RAIL ENDS SUCH THAT THERE ARE A TOTAL OF 5 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FIN FASTENER WITHIN 2" OF CORNERS & 9" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.



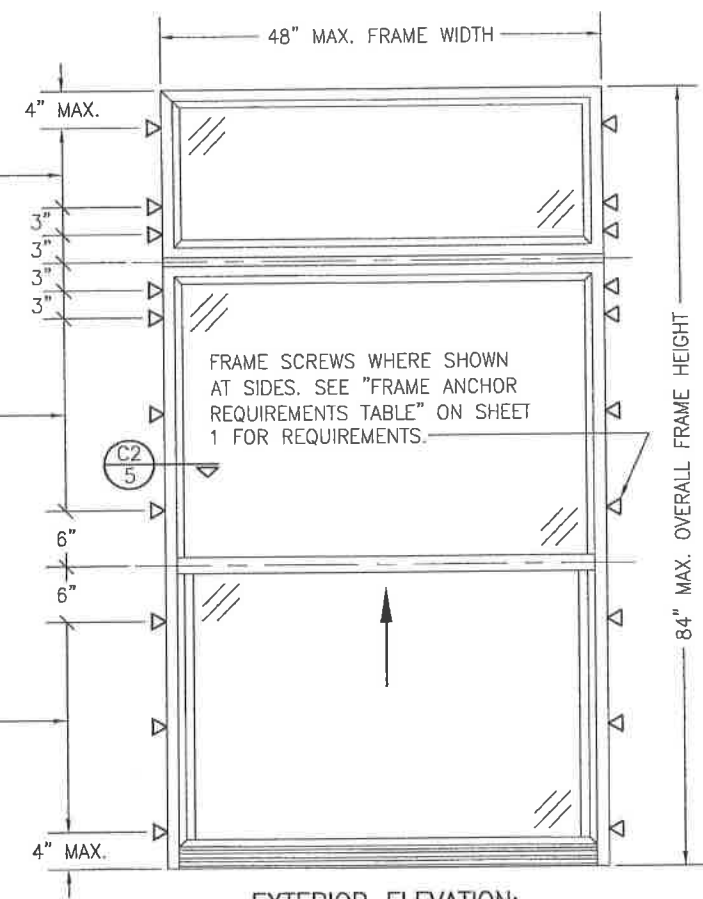
DRAWN BY: W.R.M.	CHECKED BY: W.M.S.	PLOT: 1=16	DATE: 02/05/14
DATE	BY	REVISION DESCRIPTION	NO.
<b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b> MANUFACTURER:  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION MAR 08 2016 WARREN W. SCHAEFER P.E. P.E. NO. 44135		DRAWING NO. <b>1867</b>	REV. <b>A</b>
SHEET NO. <b>2</b> OF <b>5</b>			



**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW AND CLIP MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50

SIDE JAMB ANCHOR SPACING TABLE	
MAXIMUM INDIVIDUAL WINDOW WIDTH (IN.)	MAXIMUM O.C. SPACING (IN.)
48	13
36	17

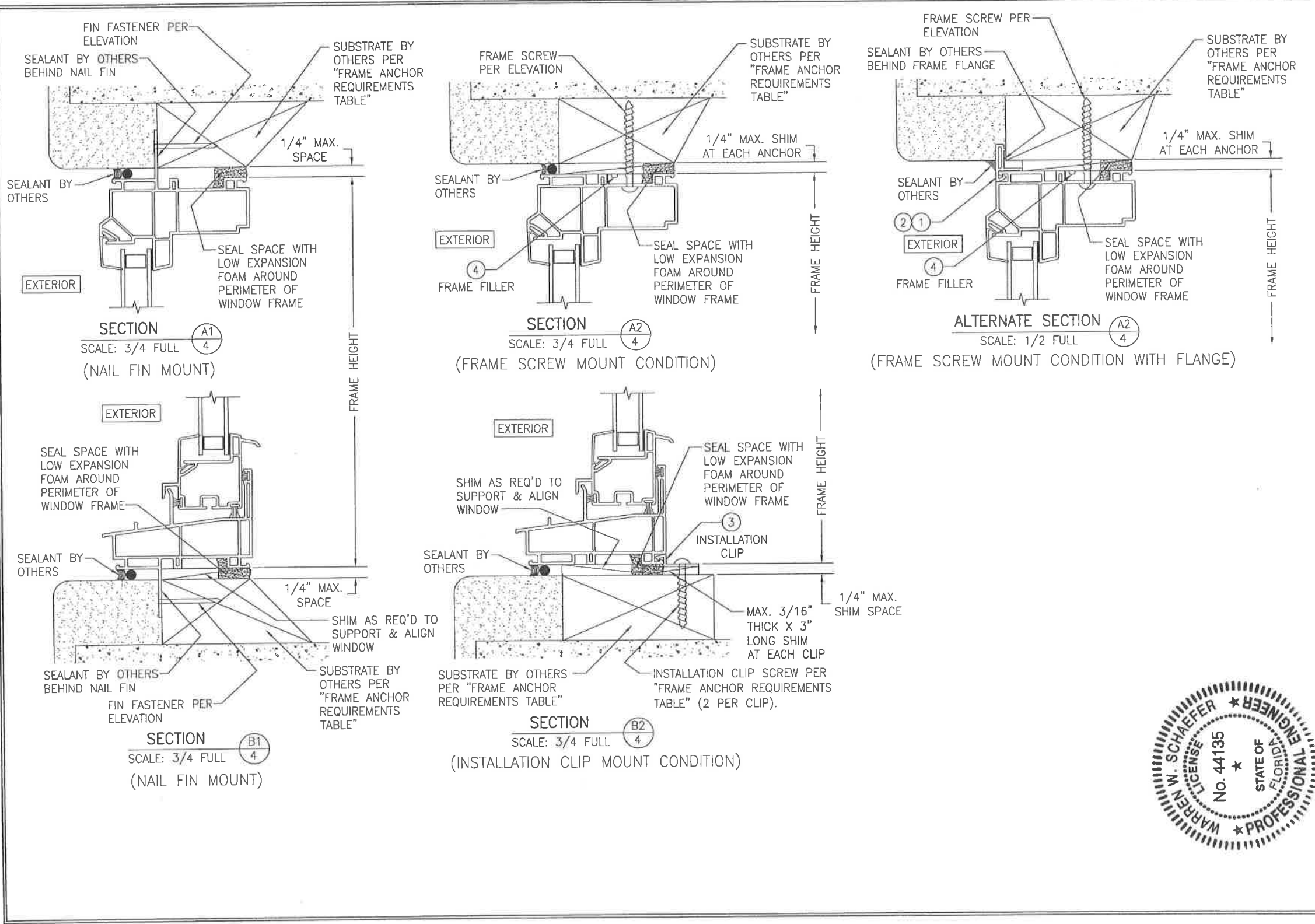


**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS ONLY)
+/- 35 PSF

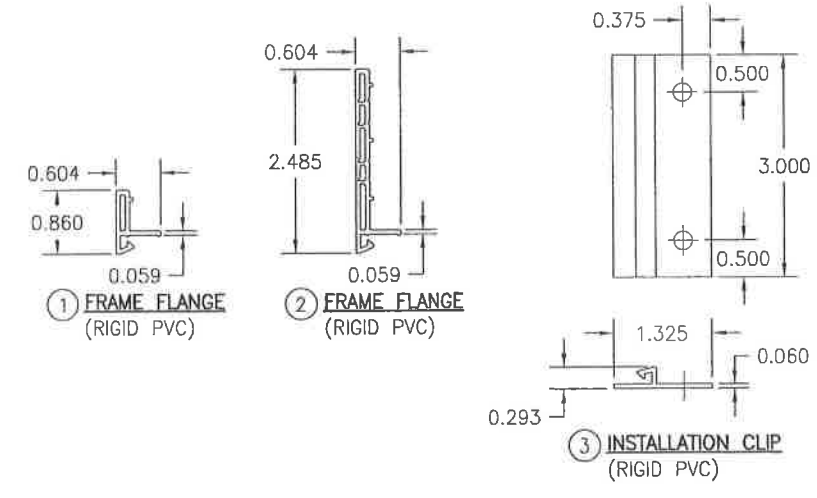
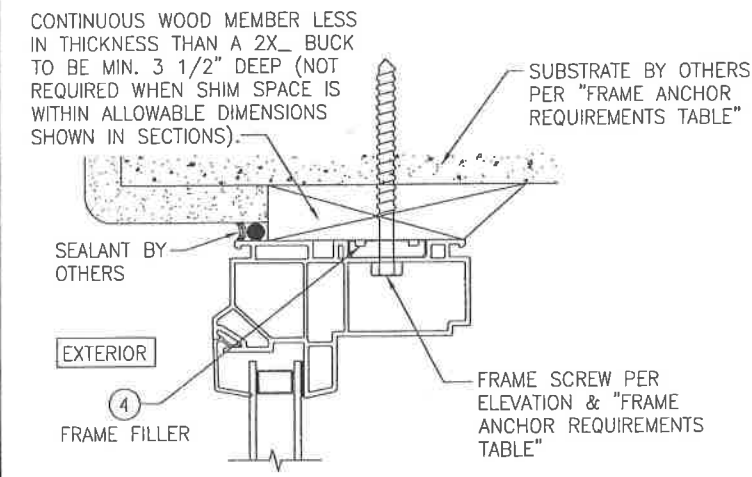
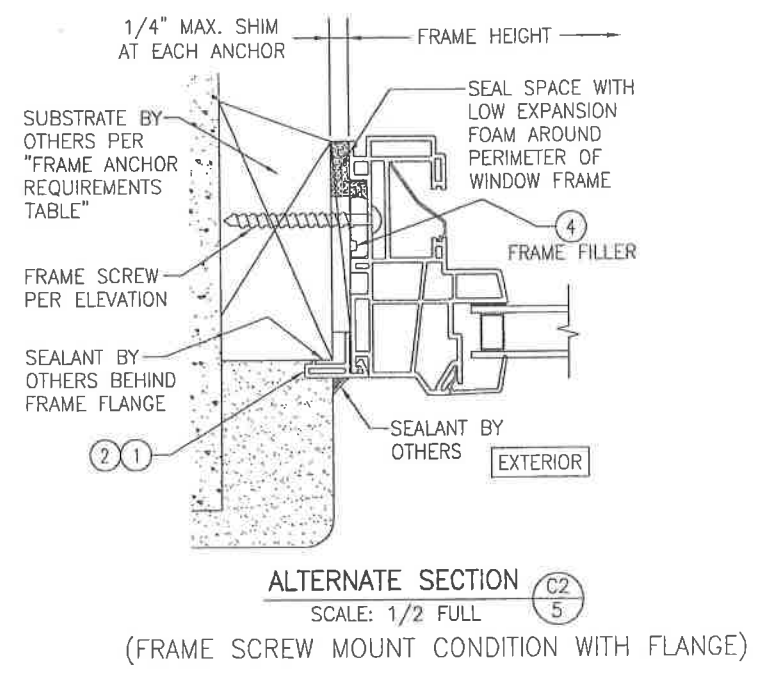
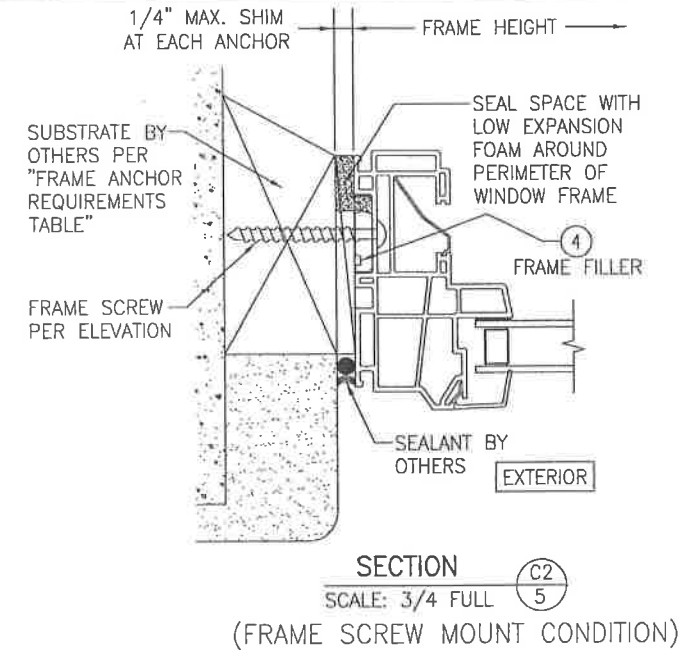
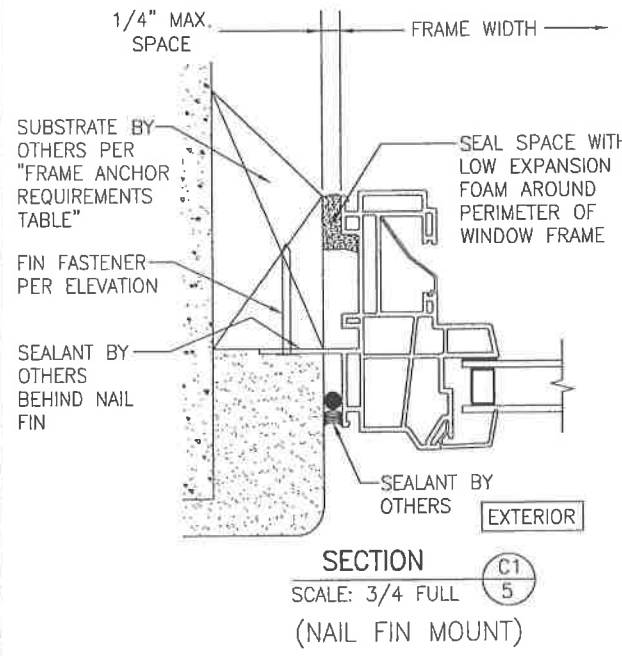


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.	PLOT: 1=16	DATE: 02/05/14
DATE	BY	REVISION DESCRIPTION	NO.
<b>DRAWING TITLE</b> 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
<b>CONSULTANTS</b> W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL PHONE: 561-744-3424		<b>MANUFACTURER</b>  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
<b>CERTIFICATION</b> MAR 08 2018 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO.	REV.	SHEET NO.	
1867	A	3 OF 5	



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/05/16	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		PELLA CORPORATION	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		102 MAIN STREET PELLA, IA 50219 641-621-1000	
CERTIFICATION		 MAR 08 2016 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1867		REV. A	
SHEET NO. 4		OF 5	



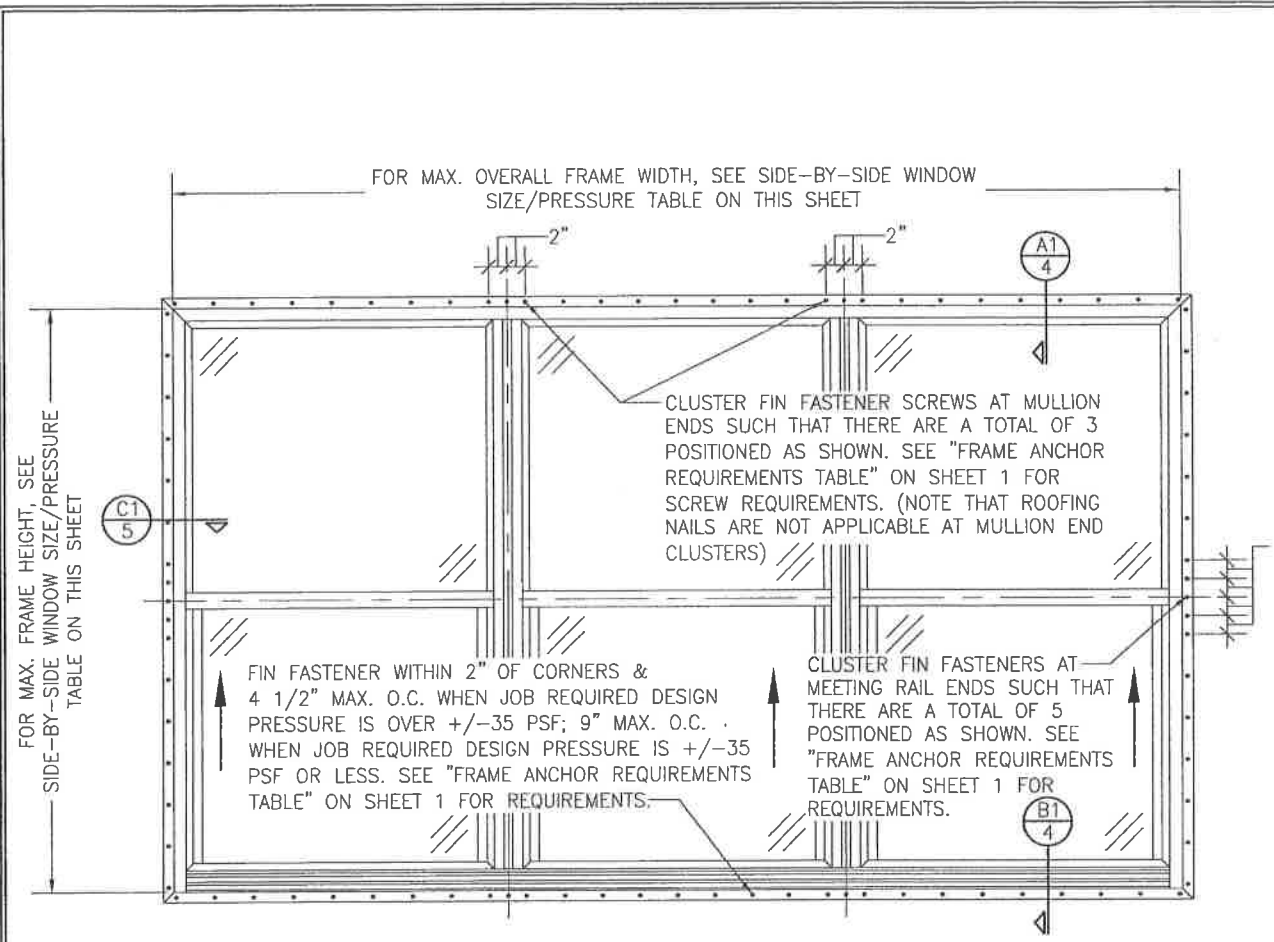


④ **FRAME FILLER**  
(RIGID PVC)  
(NOTE THAT WHEN JOB REQUIRED DESIGN PRESSURE IS OVER +/-35 A FRAME FILLER MUST BE USED AT EACH FRAME SCREW)



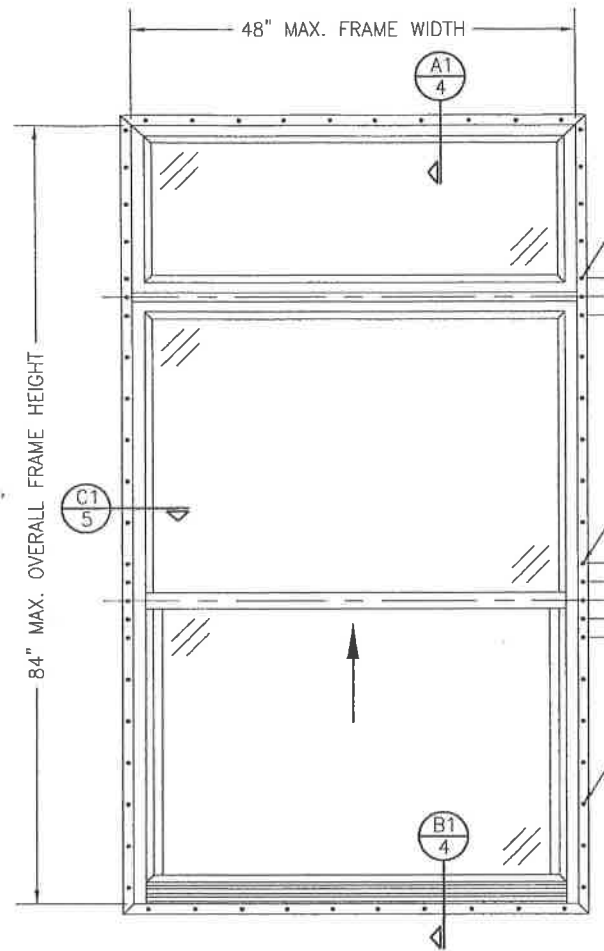
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PLOT: 1=2	DATE: 02/05/14
DATE:	
BY:	
REVISION DESCRIPTION:	
NO.	
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW	
MANUFACTURER: Pella CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION:	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO.:	REV.:
1867	A
SHEET NO.:	
5	OF 5





**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50



**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

<b>ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS ONLY)</b>
+/-35 PSF

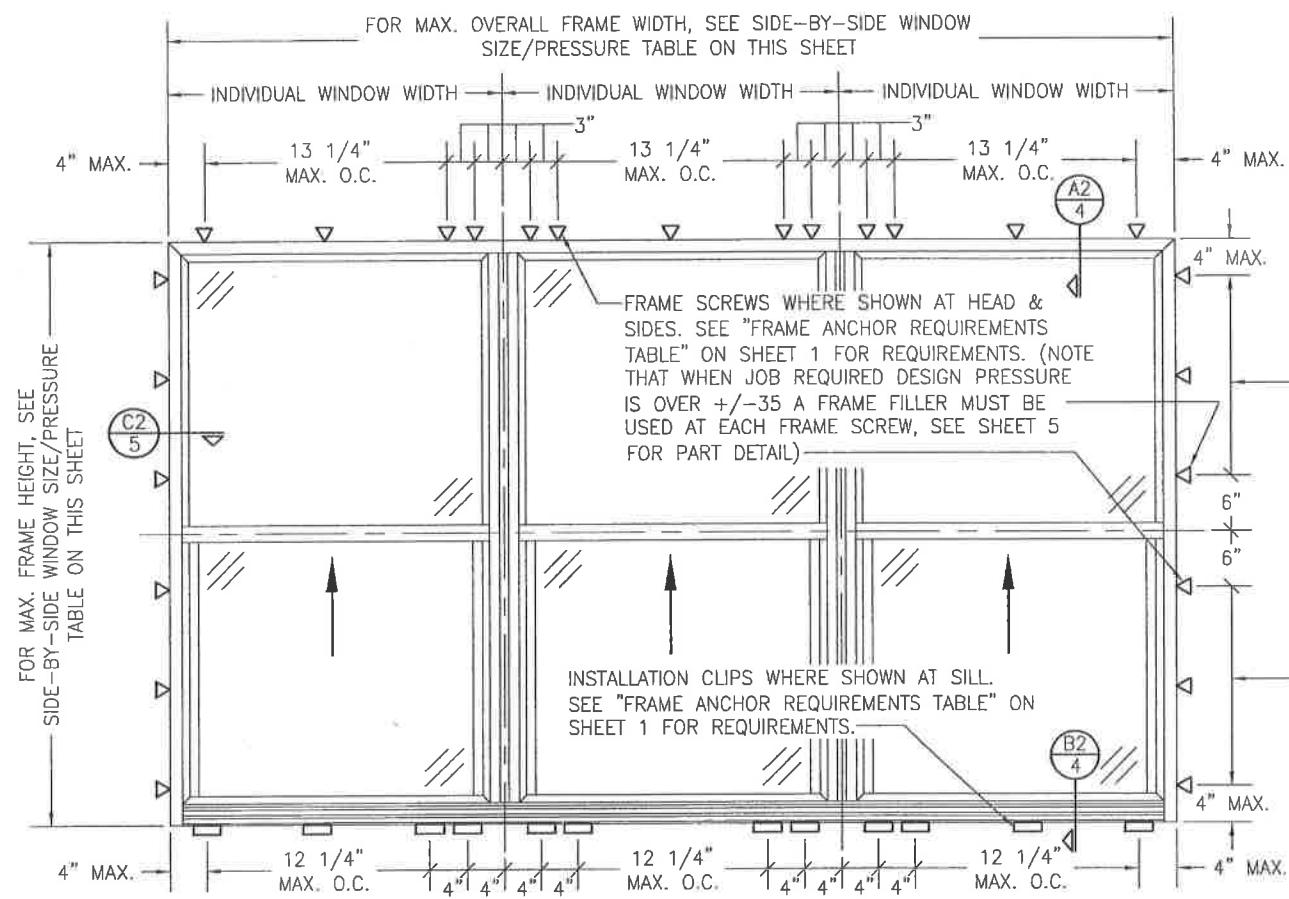


CLUSTER FIN FASTENER SCREWS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 3 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS. (NOTE THAT ROOFING NAILS ARE NOT APPLICABLE AT MULLION END CLUSTERS)

CLUSTER FIN FASTENERS AT MEETING RAIL ENDS SUCH THAT THERE ARE A TOTAL OF 5 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FIN FASTENER WITHIN 2" OF CORNERS & 9" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

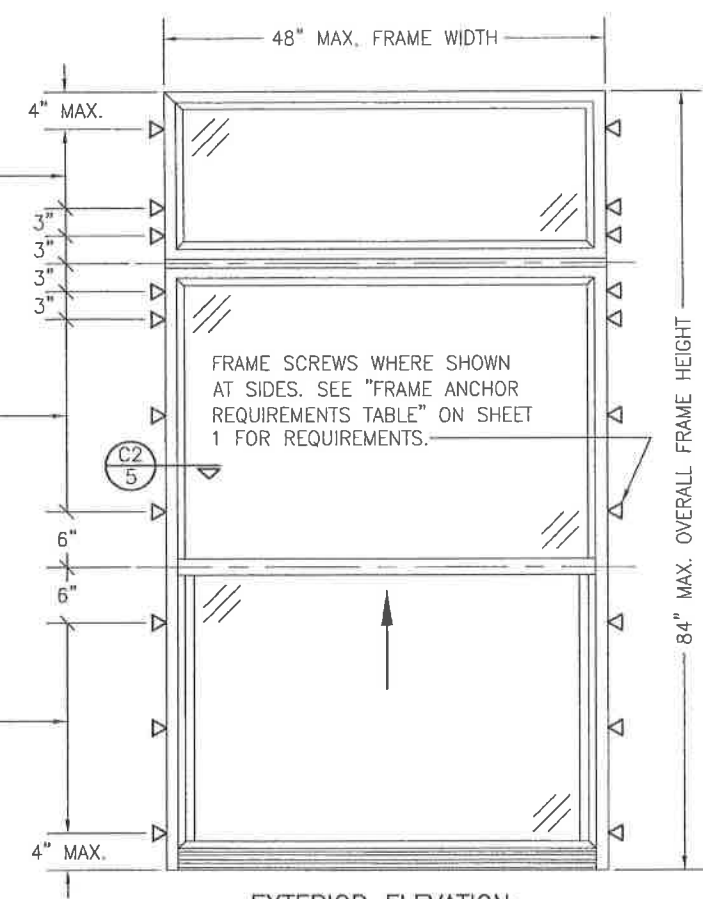
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NO.	REVISION DESCRIPTION	DATE	BY																
<b>DRAWING TITLE</b> 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW		<b>MANUFACTURER</b> PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000																	
<b>CONSULTANTS</b> W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		<b>CERTIFICATION</b> MAR 08 2018 WARREN W. SCHAEFER, P.E. P.E. NO. 44135																	
<b>DRAWING NO.</b> 1867		<b>REV.</b> A																	
<b>SHEET NO.</b> 2 OF 5																			



**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW AND CLIP MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50

SIDE JAMB ANCHOR SPACING TABLE	
MAXIMUM INDIVIDUAL WINDOW WIDTH (IN.)	MAXIMUM O.C. SPACING (IN.)
48	13
36	17

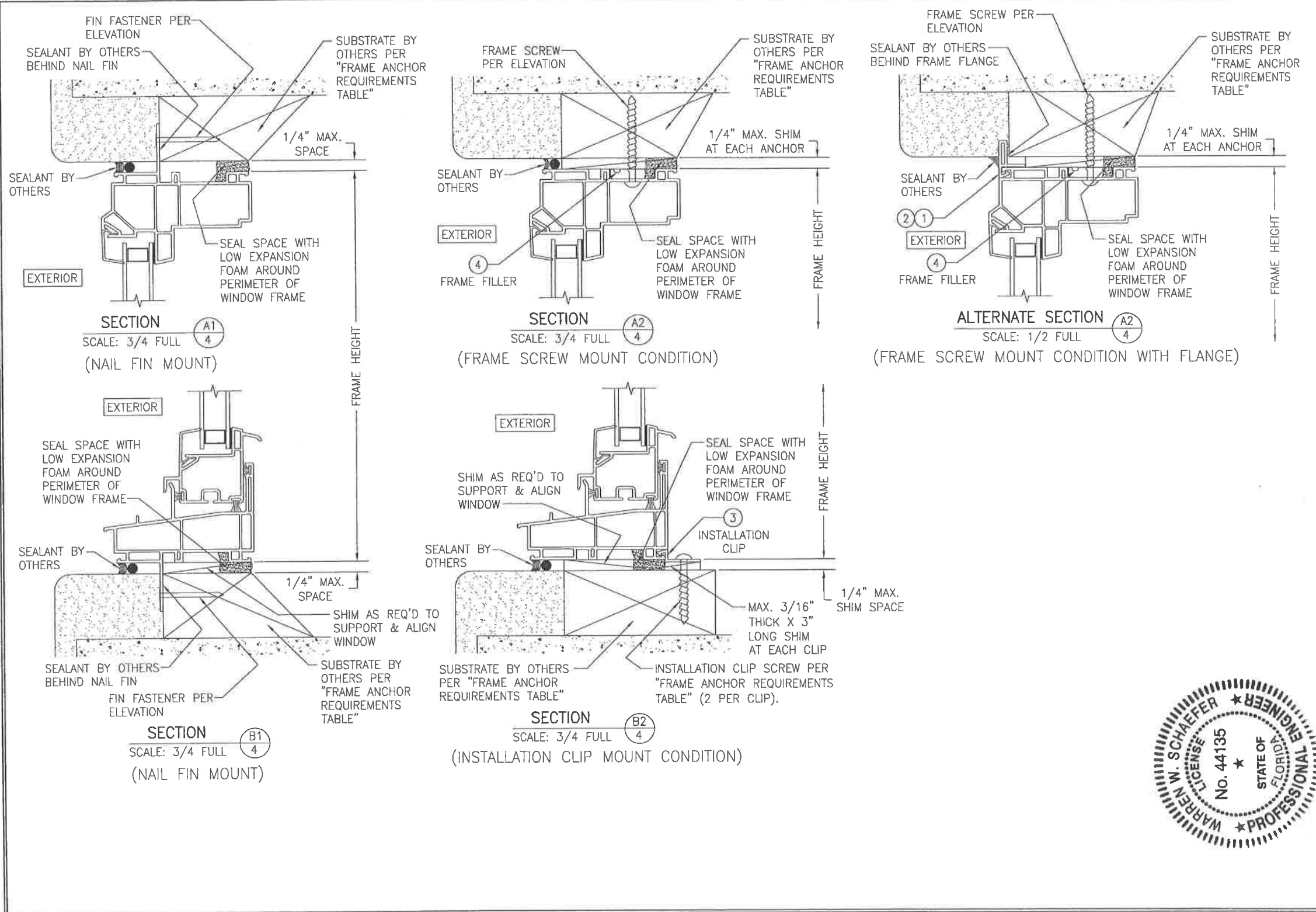


**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS ONLY)
+/-35 PSF



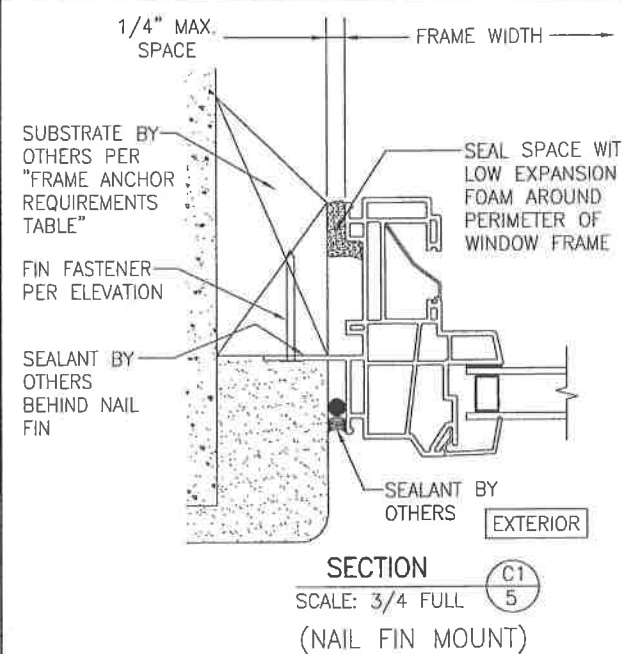
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PLDT: 1-16	DATE: 02/05/14
NO.	REVISION DESCRIPTION
DRAWING TITLE <b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7460, 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER <b>Pella CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000
DRAWING NO. <b>1867</b>	
REV. <b>A</b>	
SHEET NO. <b>3 OF 5</b>	



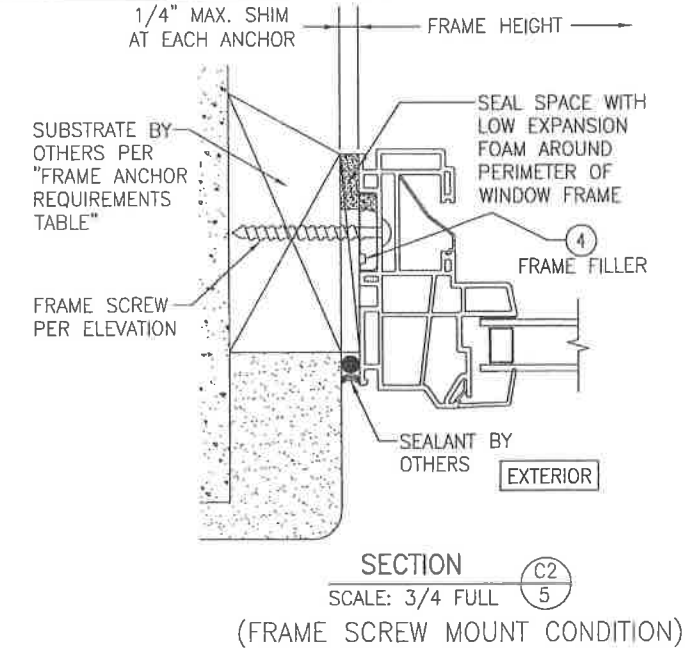
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PLOT: 1-2		DATE: 02/05/14	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
MANUFACTURER  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION		MAR 08 2018 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1867		REV. A	
SHEET NO. 4 OF 5			



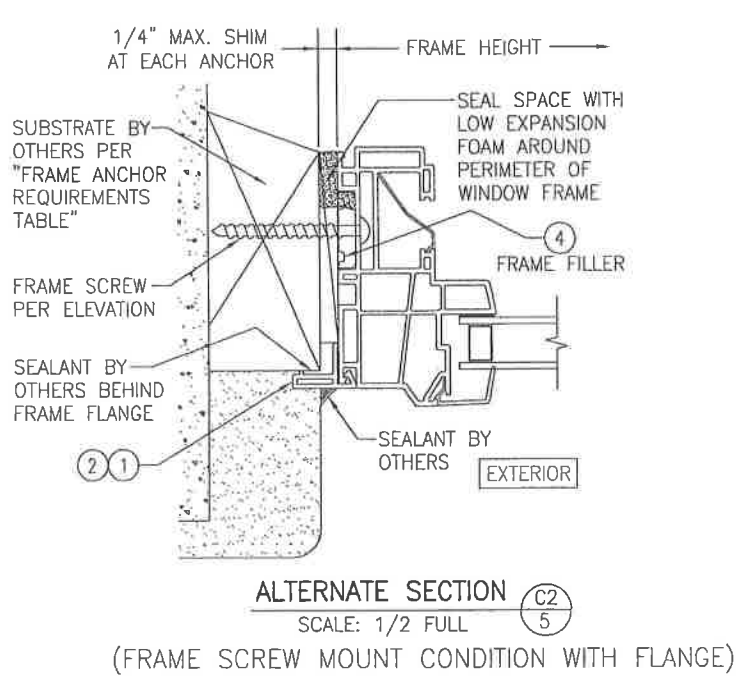




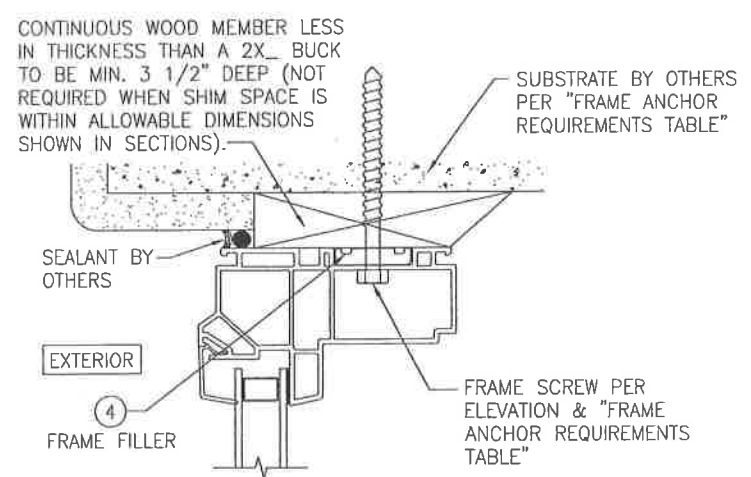
**SECTION C1**  
SCALE: 3/4 FULL  
(NAIL FIN MOUNT)



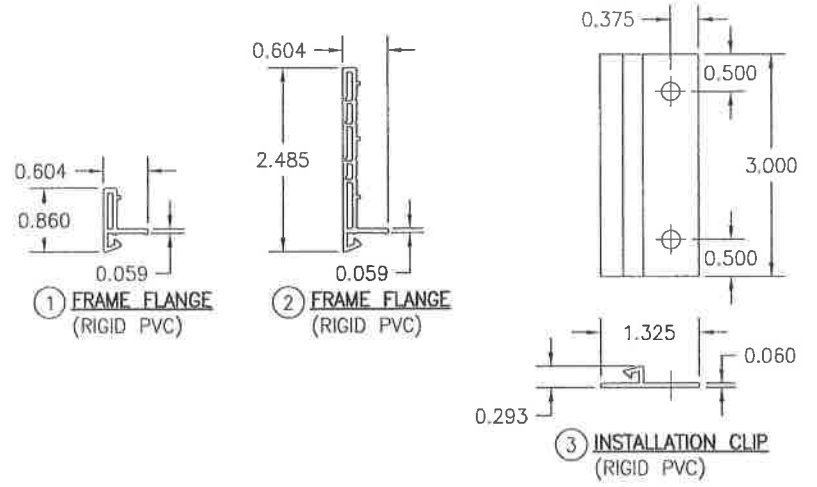
**SECTION C2**  
SCALE: 3/4 FULL  
(FRAME SCREW MOUNT CONDITION)



**ALTERNATE SECTION C2**  
SCALE: 1/2 FULL  
(FRAME SCREW MOUNT CONDITION WITH FLANGE)



**OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER**  
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)  
(DIRECT MOUNT CONDITION IS NOT APPLICABLE AT SILL)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



**4 FRAME FILLER (RIGID PVC)**  
(NOTE THAT WHEN JOB REQUIRED DESIGN PRESSURE IS OVER +/-35 A FRAME FILLER MUST BE USED AT EACH FRAME SCREW)

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1-2	DATE:	02/05/14
NO.		REVISION DESCRIPTION	
BY		DATE	

DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW

MANUFACTURER: Pella Corporation  
102 MAIN STREET  
PELLA, IA 50219  
641-621-1000

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 8809)  
7480 150TH COURT NORTH, SUITE 18  
PALM BEACH GARDENS, FL 33418  
PHONE: 561-744-3424

CERTIFICATION: WARREN W. SCHAEFER, P.E. No. 44135, STATE OF FLORIDA, PROFESSIONAL ENGINEER

DATE: MAR 08 2016

DRAWING NO. 1867 REV. A  
SHEET NO. 5 OF 5



**GENERAL NOTES:**

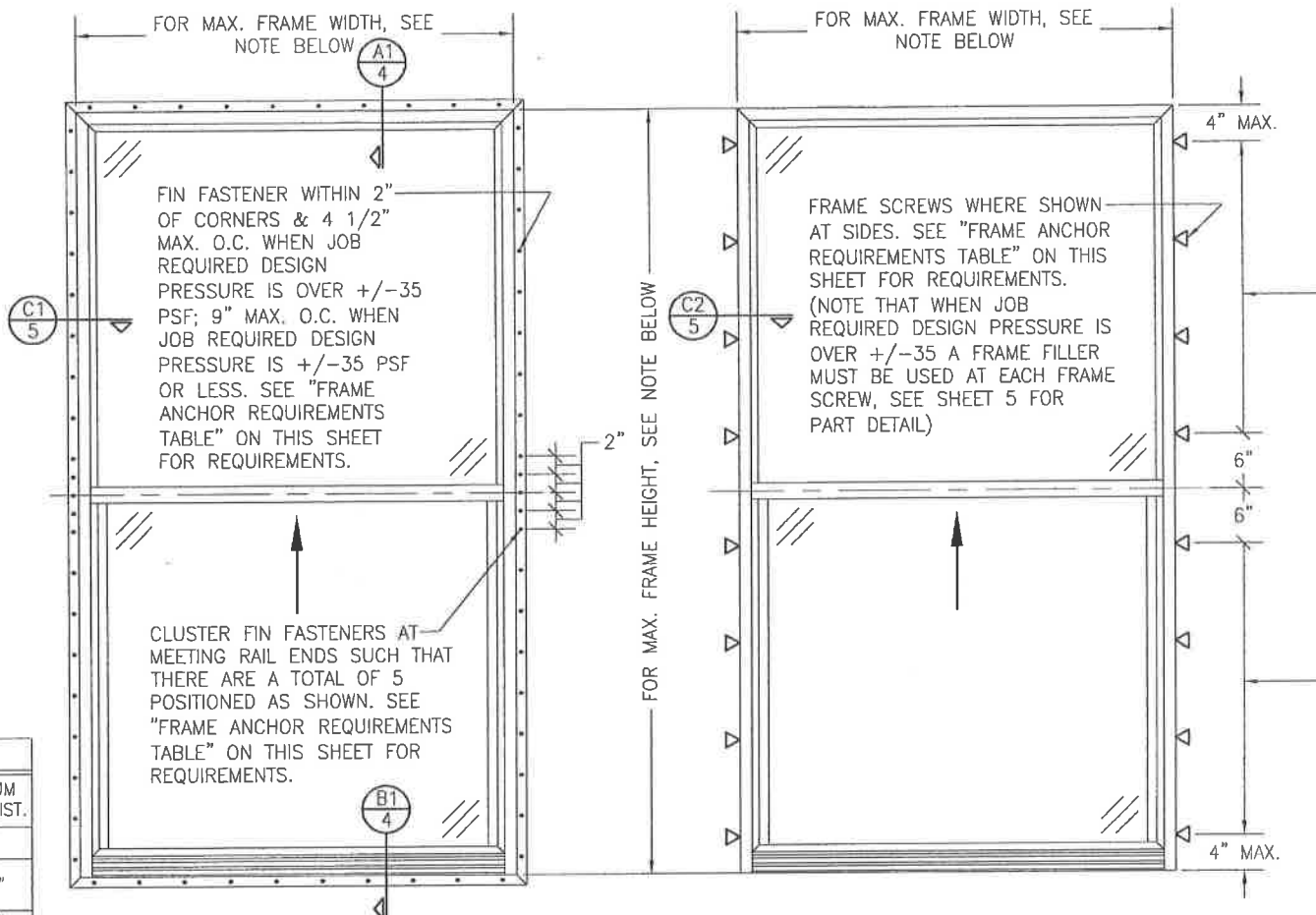
- ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
- ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/OA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
- CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
- THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
- THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(3) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW.
- CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).
- WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A PAN HEAD OR WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



**EXTERIOR ELEVATION:  
SINGLE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

**EXTERIOR ELEVATION:  
SINGLE WINDOW**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

**NOTE: FOR MAX. SINGLE WINDOW FRAME DIMENSIONS AND ALLOWABLE DESIGN PRESSURE, SEE APPLICABLE FLORIDA APPROVAL**

**ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:**  
ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

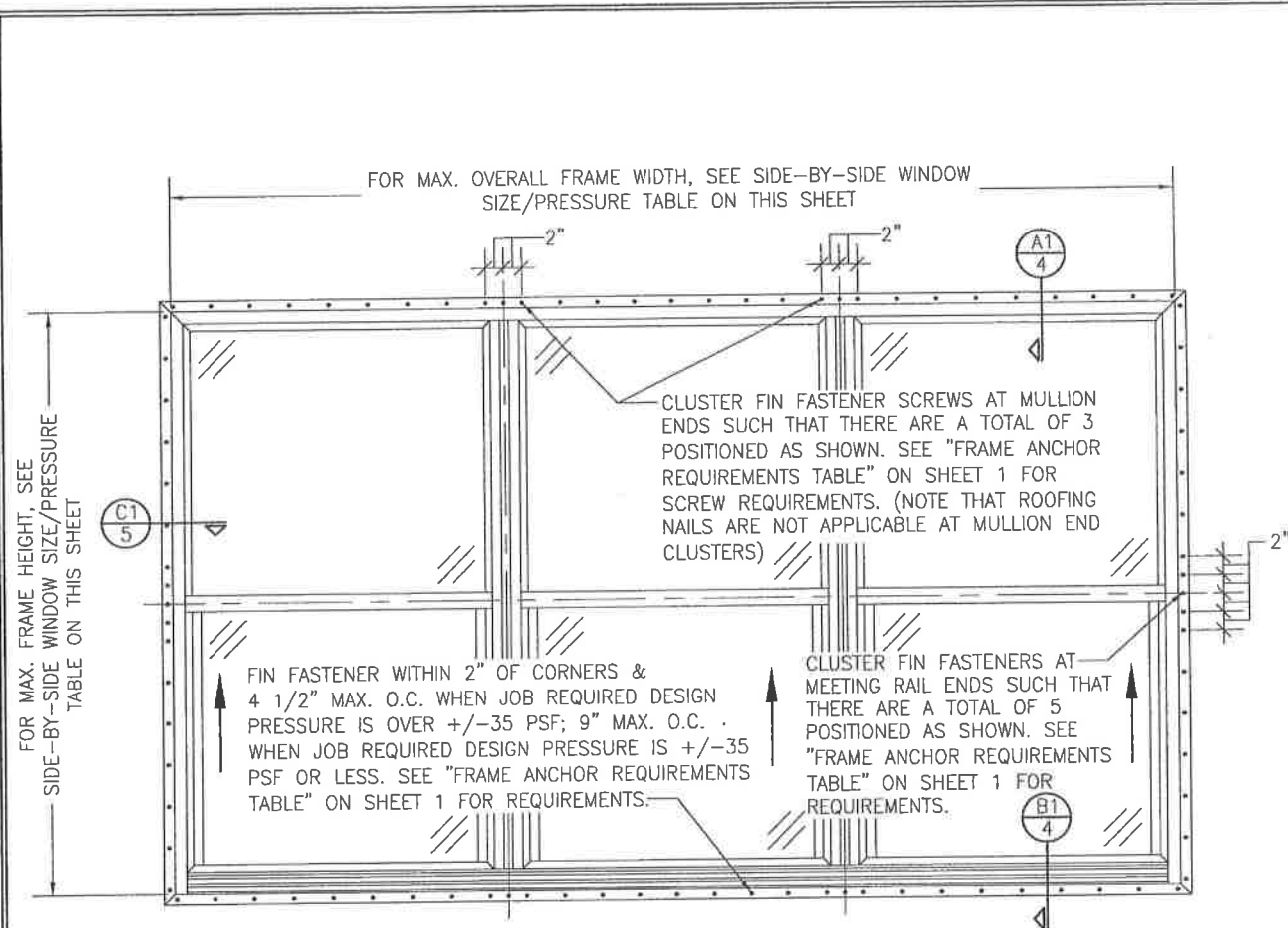
**SIDE JAMB ANCHOR SPACING TABLE**

MAXIMUM FRAME WIDTH (IN.)	MAXIMUM O.C. SPACING (IN.)
54	12
48	13
36	17



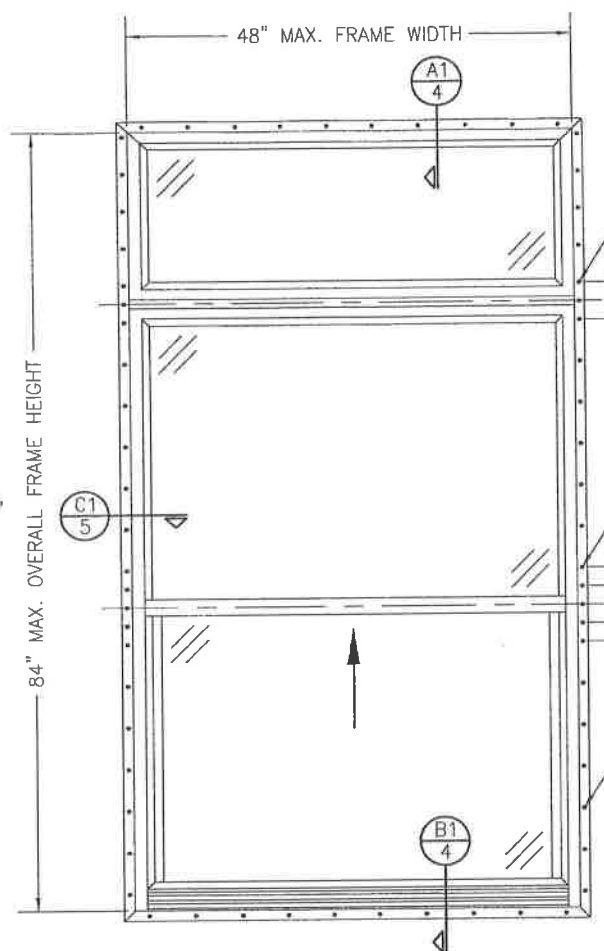
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 02/05/14
DATE: 02/09/16	
BY: W.W.S.	
REVISION DESCRIPTION	
NO. 1	UPDATE FOR NEW TESTING
<b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b> MANUFACTURER  <b>PELLA CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL PHONE: 561-744-3424	
DRAWING TITLE <b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b>	
CERTIFICATION <b>WARREN W. SCHAEFER, P.E.</b> P.E. NO. 44135 MAR 08 2016	
DRAWING NO. <b>1867</b>	REV. <b>A</b>
SHEET NO. <b>1 OF 5</b>	



**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50



**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

<b>ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS ONLY)</b>
+/-35 PSF

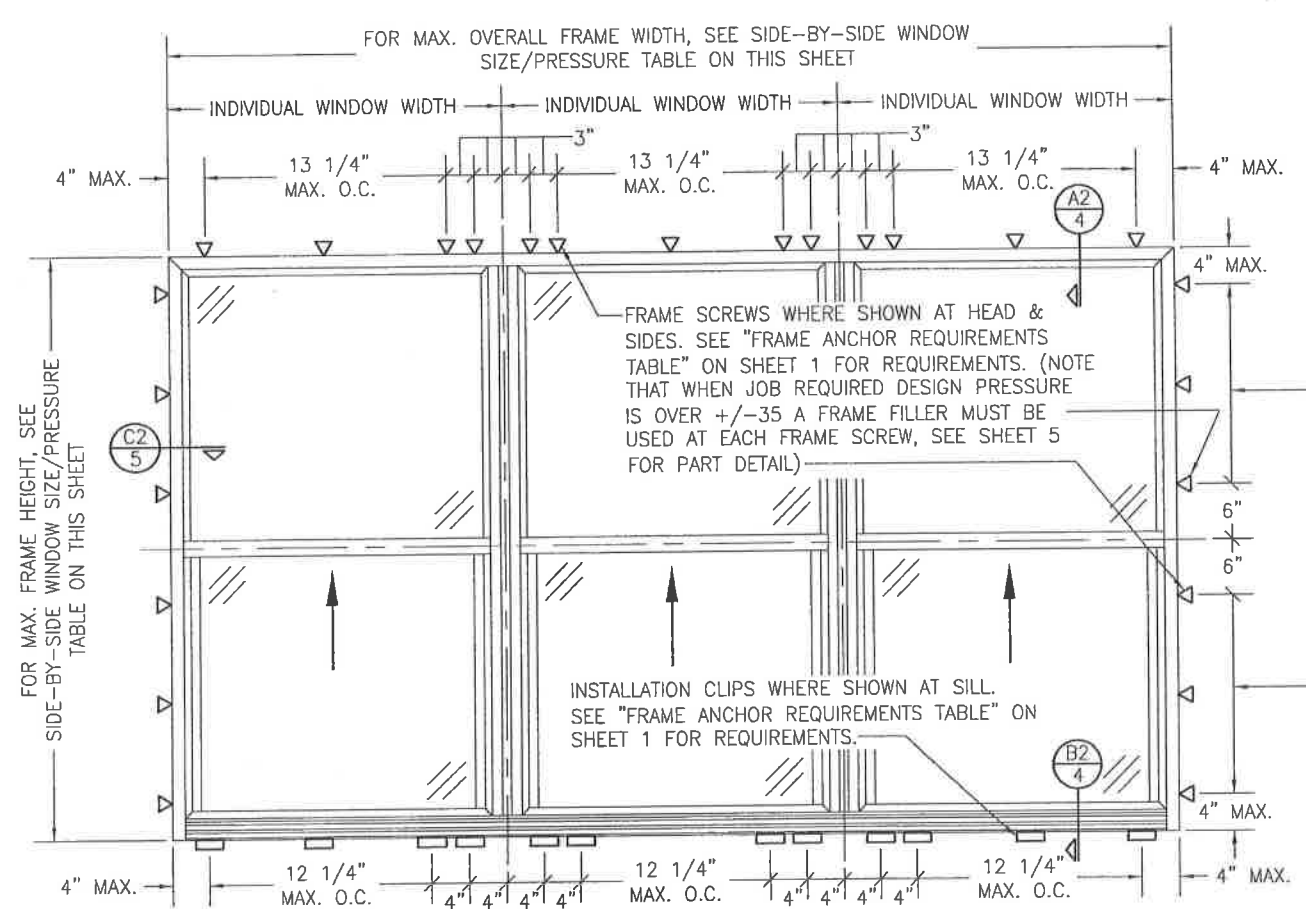


CLUSTER FIN FASTENER SCREWS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 3 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS. (NOTE THAT ROOFING NAILS ARE NOT APPLICABLE AT MULLION END CLUSTERS)

CLUSTER FIN FASTENERS AT MEETING RAIL ENDS SUCH THAT THERE ARE A TOTAL OF 5 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FIN FASTENER WITHIN 2" OF CORNERS & 9" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

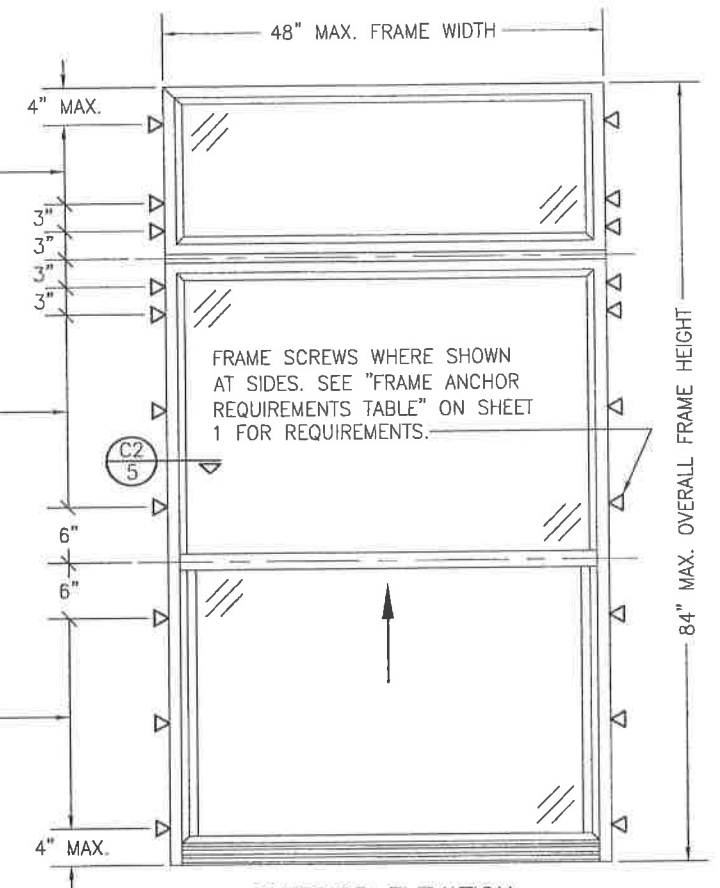
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PLDT: 1-16	DATE: 02/05/14
NO.	DATE
BY	
REVISION DESCRIPTION	
<b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b> MANUFACTURER <b>PELLA CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION <b>WARREN W. SCHAEFER</b> P.E. NO. 44135 MAR 08 2016	
DRAWING NO. <b>1867</b>	REV. <b>A</b>
SHEET NO. <b>2 of 5</b>	



**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW AND CLIP MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50

SIDE JAMB ANCHOR SPACING TABLE	
MAXIMUM INDIVIDUAL WINDOW WIDTH (IN.)	MAXIMUM O.C. SPACING (IN.)
48	13
36	17

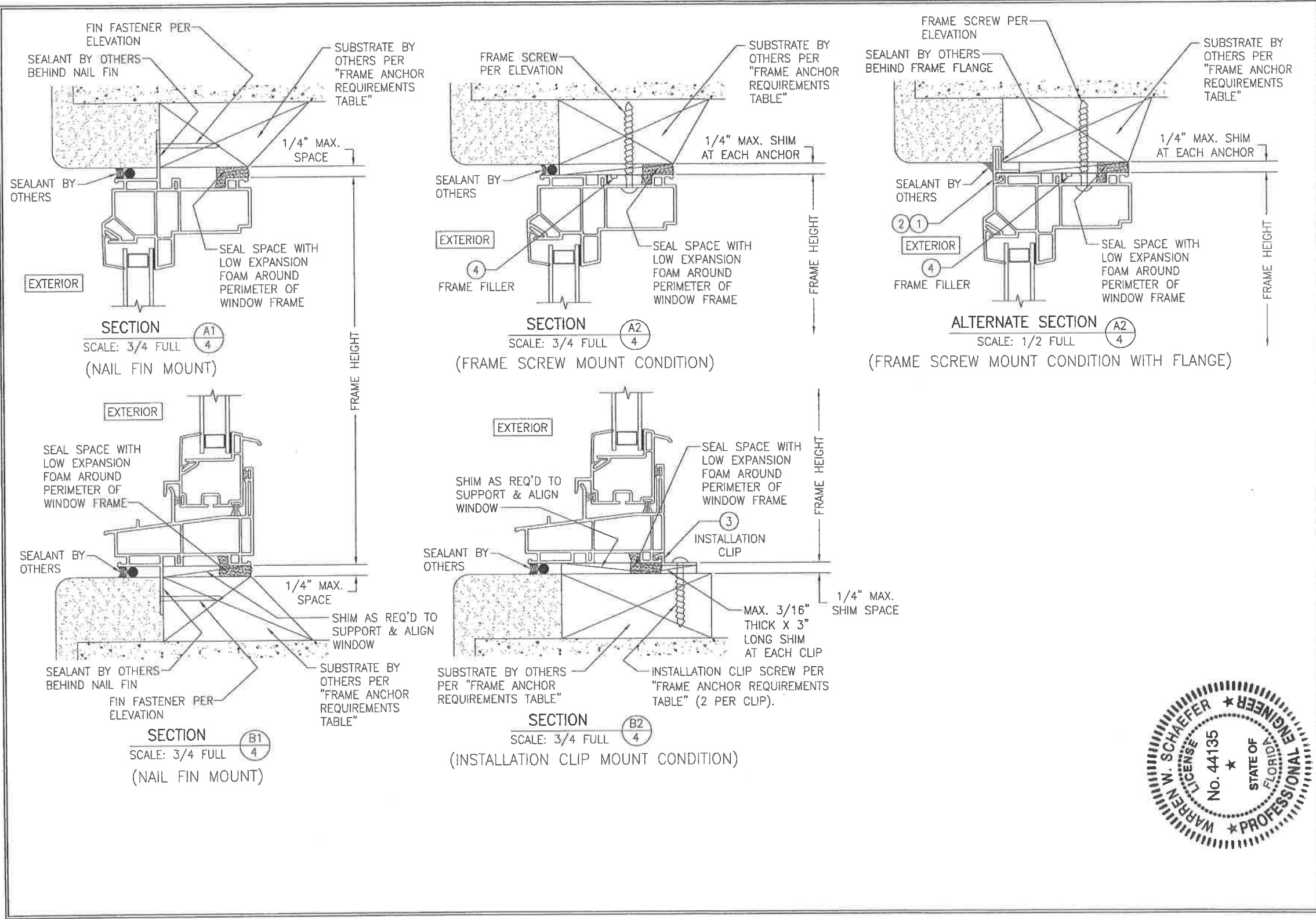


**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE  
(TRANSOM UNITS ONLY)  
+/- 35 PSF

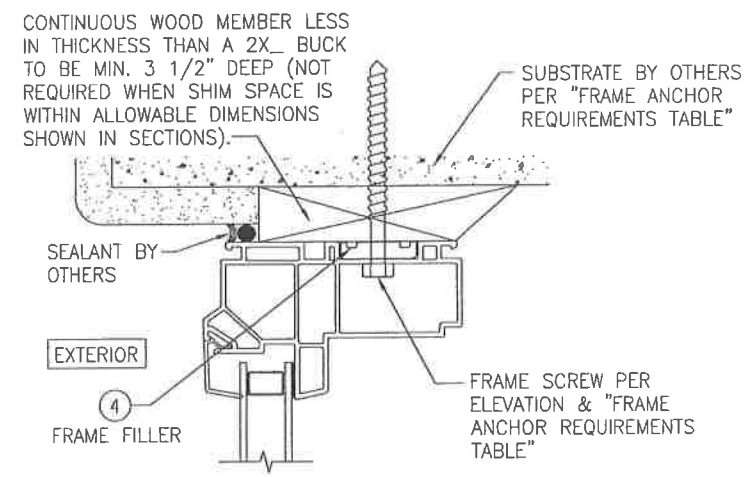
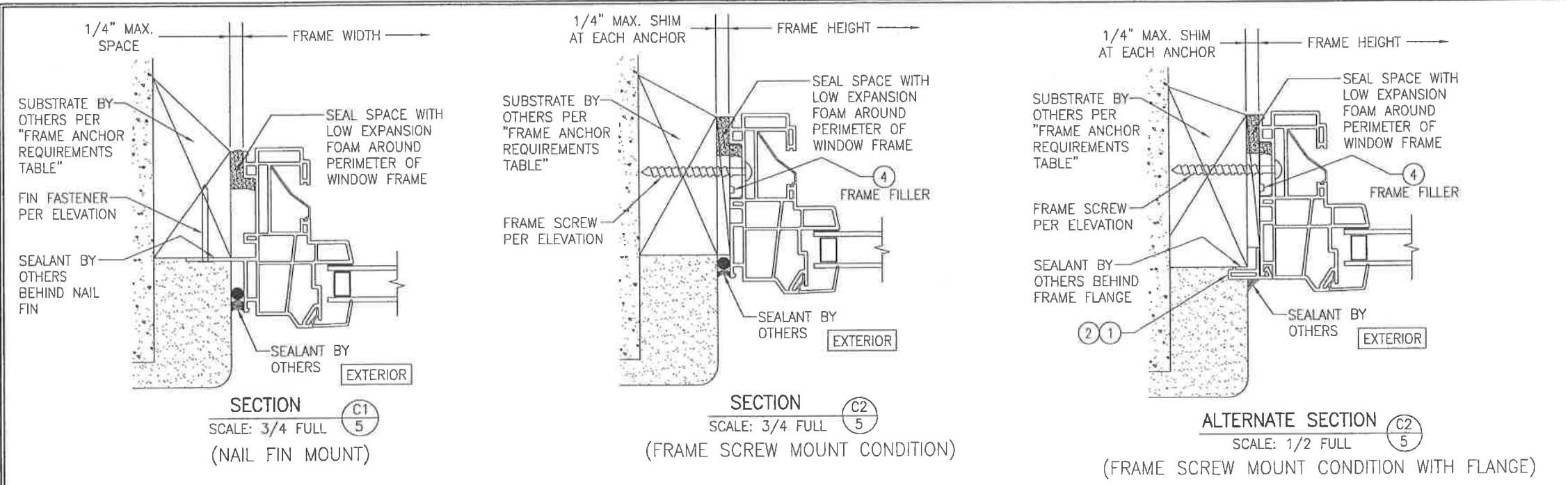


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DATE	BY	REVISION DESCRIPTION	NO.
<b>DRAWING TITLE</b> 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
<b>CONSULTANTS</b> W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH, #3418 PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		<b>MANUFACTURER</b>  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
<b>DATE</b> MAR 08 2016		<b>PROFESSIONAL ENGINEER</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
<b>DRAWING NO.</b> 1867		<b>REV.</b> A	
<b>SHEET NO.</b> 3 OF 5			

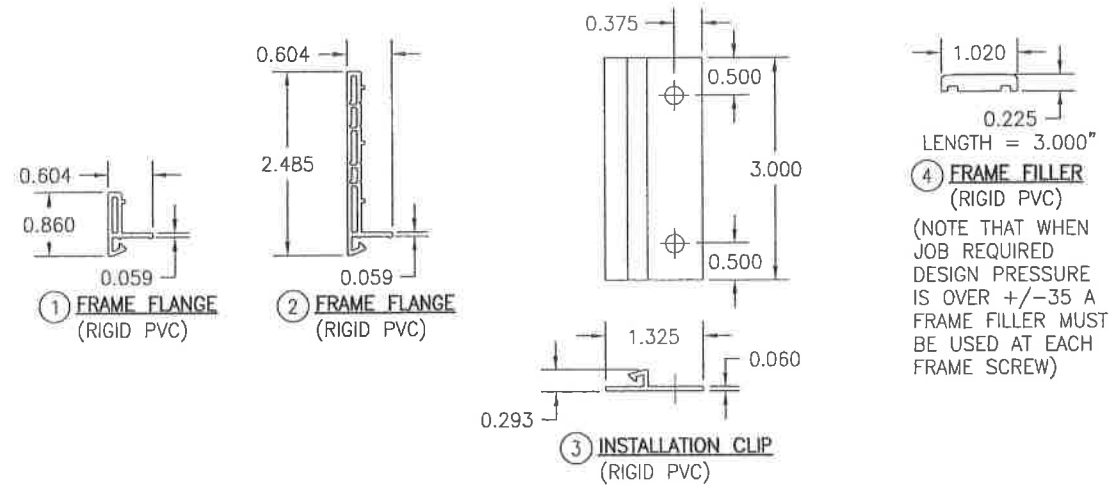


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLDT: 1-2		DATE: 02/05/14	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: Pella CORPORATION	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		102 MAIN STREET PELLA, IA 50219 641-621-1000	
CERTIFICATION: MAR 08 2016		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.	SHEET NO.	
1867	A	4 OF 5	





**OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER**  
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)  
(DIRECT MOUNT CONDITION IS NOT APPLICABLE AT SILL)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/05/14
NO.	DATE
BY	
REVISION DESCRIPTION	
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW	
MANUFACTURER: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1867 SHEET NO. 5 OF 5	



CERTIFICATION  
MAR 08 2016  
WARREN W. SCHAEFER, P.E.  
P.E. NO. 44135

**GENERAL NOTES:**

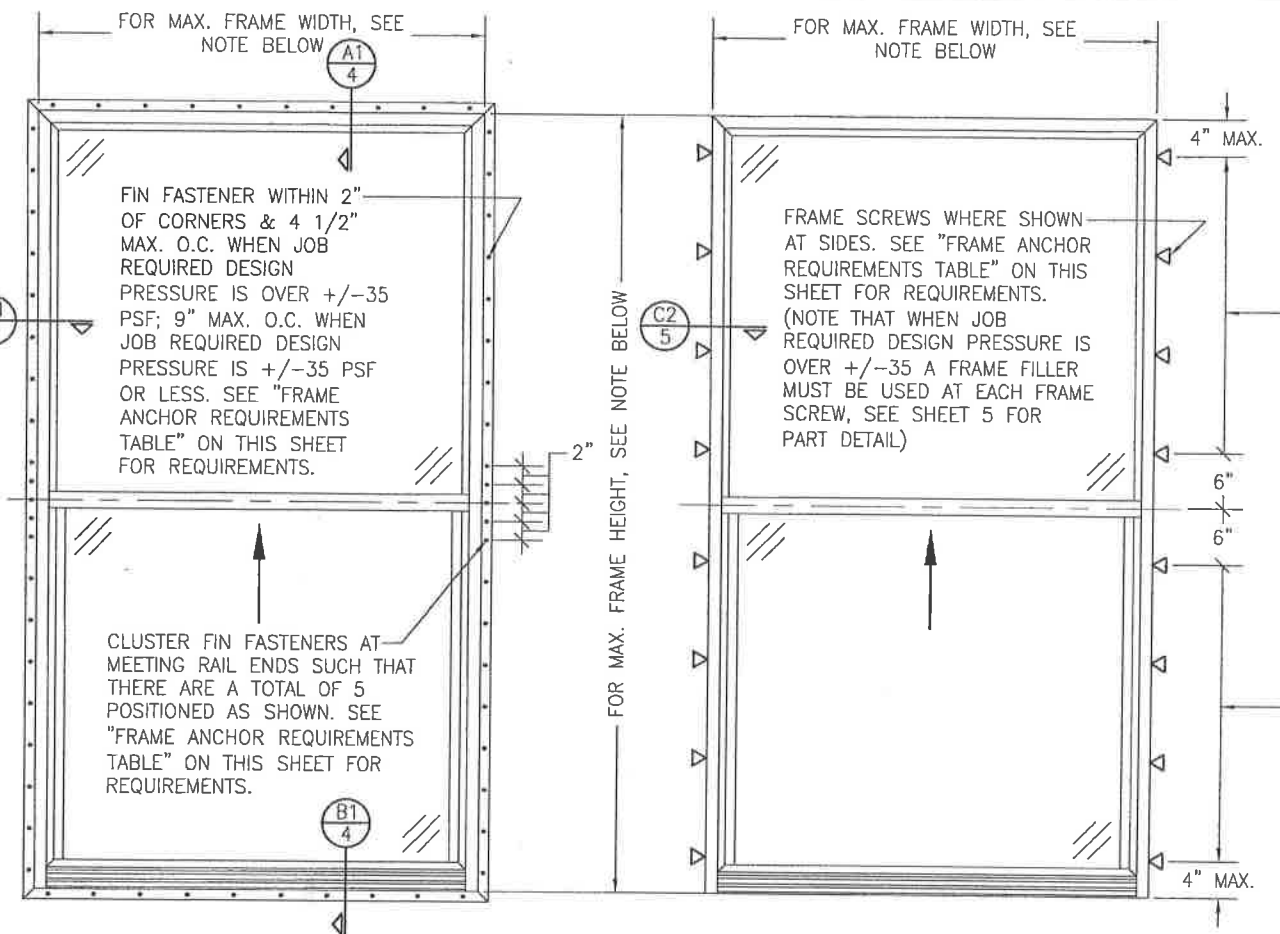
- ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
- ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
- TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
- CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
- THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
- THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(3) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW.
- CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).
- WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A PAN HEAD OR WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



**EXTERIOR ELEVATION:  
SINGLE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

**EXTERIOR ELEVATION:  
SINGLE WINDOW**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

**NOTE: FOR MAX. SINGLE WINDOW FRAME DIMENSIONS AND ALLOWABLE DESIGN PRESSURE, SEE APPLICABLE FLORIDA APPROVAL**

**ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:**  
ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

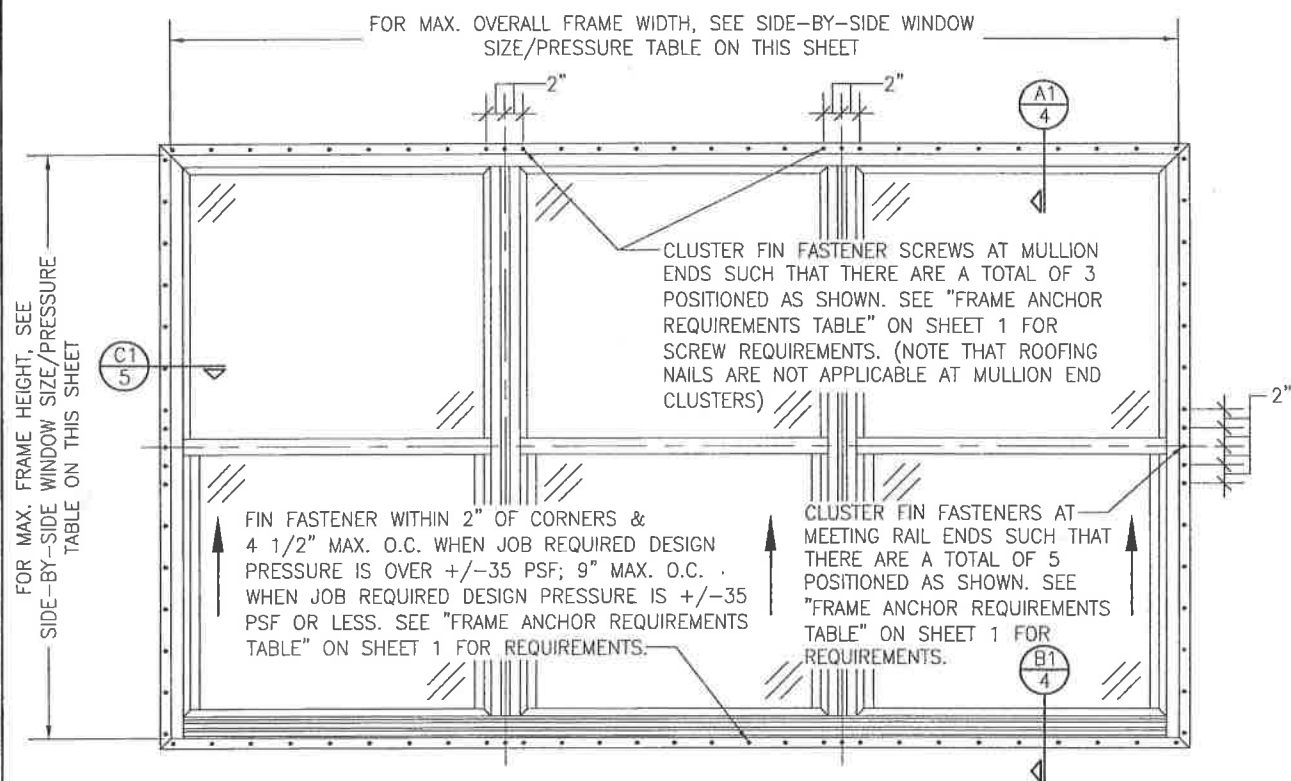
**SIDE JAMB ANCHOR SPACING TABLE**

MAXIMUM FRAME WIDTH (IN.)	MAXIMUM O.C. SPACING (IN.)
54	12
48	13
36	17



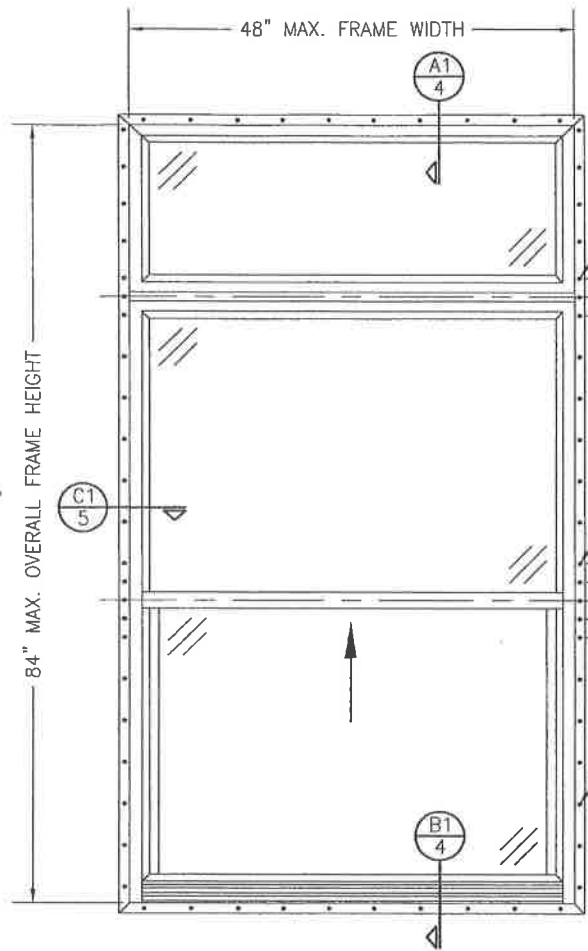
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 03/08/16	DATE: 02/05/14
BY: W.W.S.	
REVISION DESCRIPTION:	
NO. 1: UPDATE FOR NEW TESTING	
<b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b> MANUFACTURER: <b>PELLA CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING NO. 1867 SHEET NO. 1 OF 5	



**EXTERIOR ELEVATION:  
SIDE-BY-SIDE WINDOW**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

ALLOWABLE SIDE-BY-SIDE WINDOW SIZE/PRESSURE TABLE		
MAXIMUM OVERALL FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
<b>TRIPLE WINDOW</b>		
109	63	35
<b>DOUBLE WINDOW</b>		
96	72	35
72	65 1/2	50



**EXTERIOR ELEVATION:  
SINGLE WINDOW WITH TRANSOM**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE (TRANSOM UNITS ONLY)
+/-35 PSF



CLUSTER FIN FASTENER SCREWS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 3 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS. (NOTE THAT ROOFING NAILS ARE NOT APPLICABLE AT MULLION END CLUSTERS)

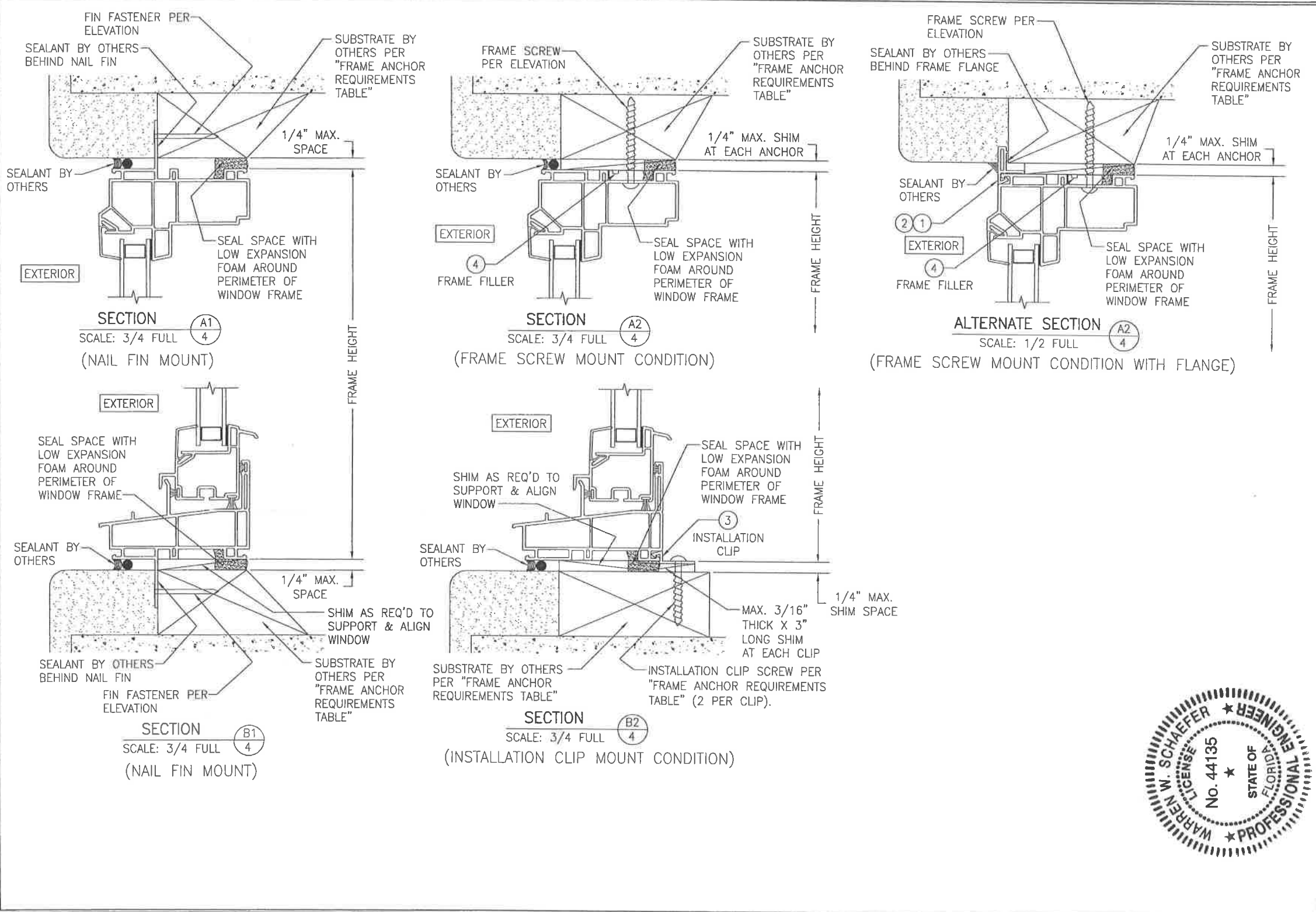
CLUSTER FIN FASTENERS AT MEETING RAIL ENDS SUCH THAT THERE ARE A TOTAL OF 5 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FIN FASTENER WITHIN 2" OF CORNERS & 9" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

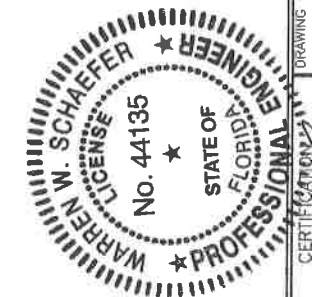
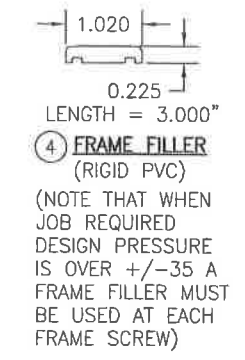
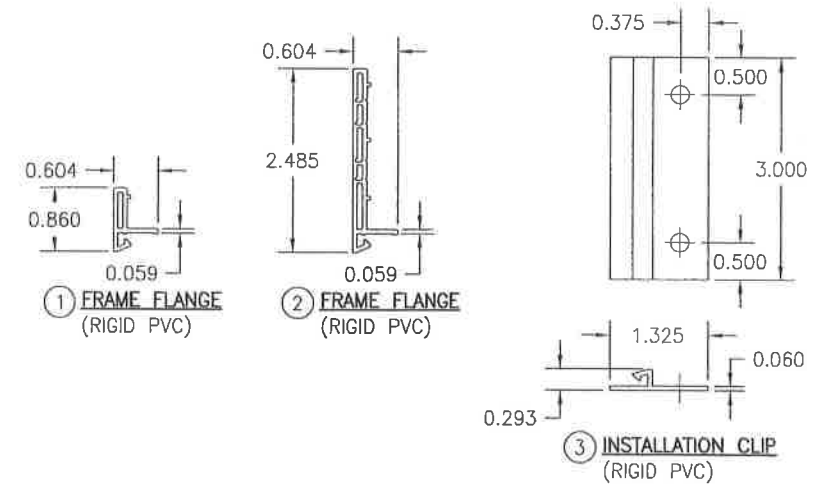
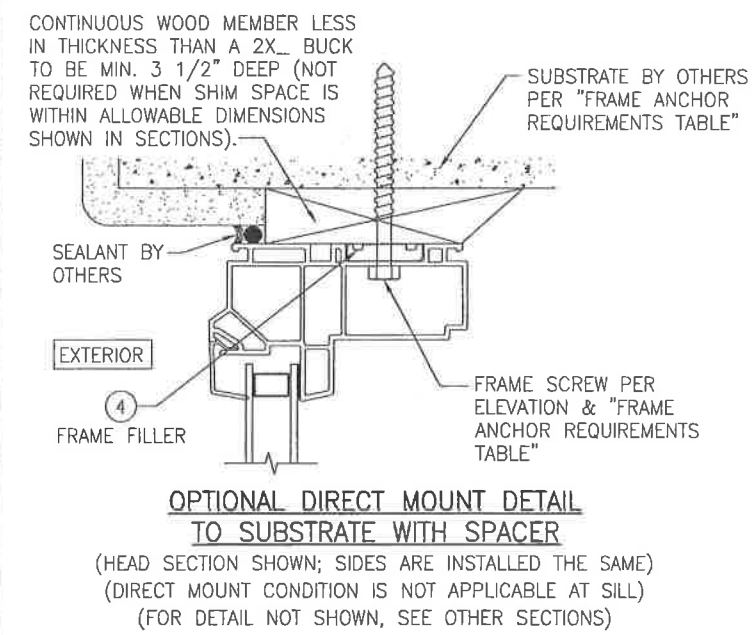
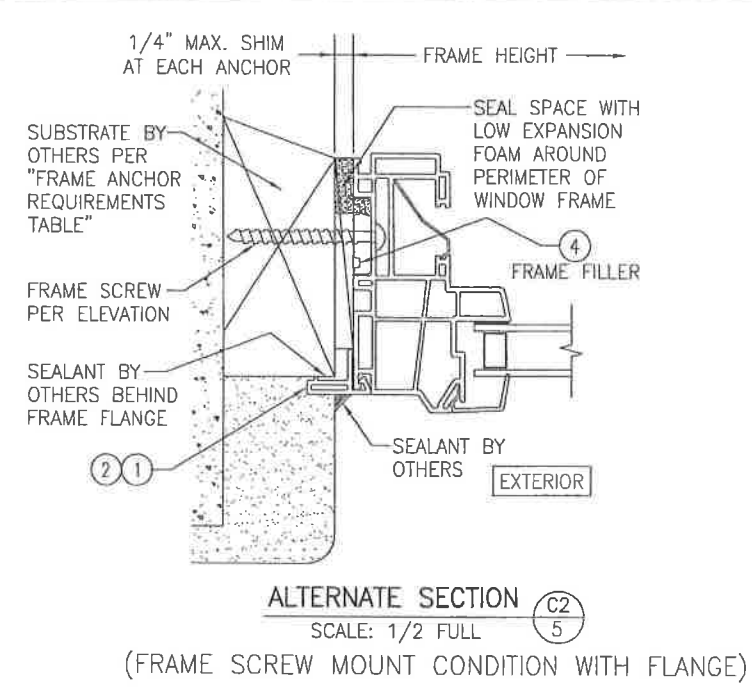
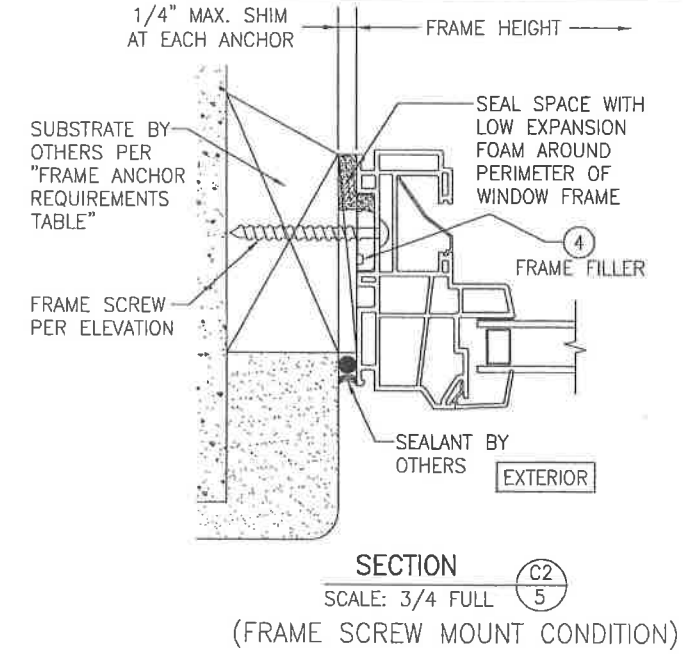
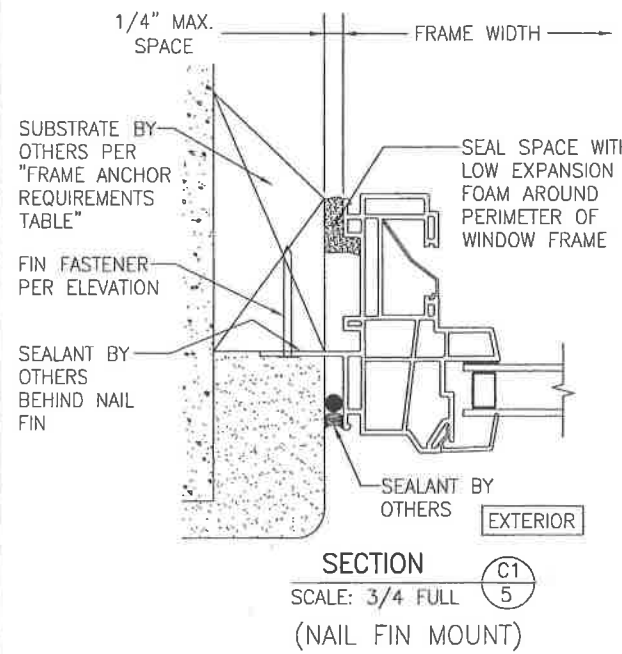
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 02/05/14
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE <b>250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW</b>	
MANUFACTURER <b>Pella CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000	CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3624
CERTIFICATION MAR 08 2018	P.E. WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1867</b>	REV. <b>A</b>
SHEET NO. <b>2 OF 5</b>	







DRAWN BY: W.R.M.		CHECKED BY: W.S.S.	
PLOT: 1=2		DATE: 02/05/14	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 8809) 7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
MANUFACTURER: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CERTIFICATION: WARREN W. SCHAEFER, P.E. P.E. NO. 44135 MAP 08 2016			
DRAWING NO. 1867		REV. A	
SHEET NO. 4 OF 5			



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/05/14	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 250 SERIES VINYL SINGLE HUNG NON-IMPACT WINDOW			
CONSULTANTS: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
MANUFACTURER:			
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING NO. 1867		REV. A	
SHEET NO. 5		OF 5	



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 **Application Detail**



FL #	FL16811-R2	
Application Type	Affirmation	
Code Version	2017	
Application Status	Approved	
Comments	Archived	
Product Manufacturer	Pella Corporation	
Address/Phone/Email	102 Main St. Pella, IA 50219 (641) 621-6096 pellaproductapproval@pella.com	
Authorized Signature	Beth Phelps phelpsba@pella.com	
Technical Representative	Address/Phone/Email	
Quality Assurance Representative	Address/Phone/Email	
Category	Windows	
Subcategory	Fixed	
Compliance Method	Certification Mark or Listing	
Certification Agency	Window and Door Manufacturers Association	
Validated By	Terrence E. Lunn, PE <input type="checkbox"/> Validation Checklist - Hardcopy Received	
Referenced Standard and Year (of Standard)	<b>Standard</b> AAMA/WDMA/CSA 101/I.S.2/A440-08	<b>Year</b> 2008
Equivalence of Product Standards	Certified By	
	<input checked="" type="checkbox"/> I affirm that there are no changes in the new Florida Building Code which affect my product(s) and my product(s) are in compliance with the new Florida Building Code.	
Documentation from approved Evaluation or Validation Entity	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Product Approval Method	Method 1 Option A	
Date Submitted	12/05/2017	
Date Validated	12/05/2017	

Date Pending FBC Approval  
Date Approved

12/06/2017

**Summary of Products**

FL #	Model, Number or Name	Description
16811.1	250 Series Fixed Window	108" x 60" vinyl non-impact single window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: Configurations of glass shall conform to the current ASTM E1300 standard and shall be safety glazed when required by FBC section 2406.		<b>Certification Agency Certificate</b> <a href="#">FL16811 R2 C CAC CCL 411-H-1460.08 .09.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/10/2021 <b>Installation Instructions</b> <a href="#">FL16811 R2 II 1866.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> Created by Independent Third Party:
16811.2	250 Series Fixed Window	72" x 72" vinyl non-impact single window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: Configurations of glass shall conform to the current ASTM E1300 standard and shall be safety glazed when required by FBC section 2406.		<b>Certification Agency Certificate</b> <a href="#">FL16811 R2 C CAC CCL 411-H-1460.02 .03.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/10/2021 <b>Installation Instructions</b> <a href="#">FL16811 R2 II 1866.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> Created by Independent Third Party:
16811.3	250 Series Fixed Window	60" x 60" vinyl non-impact single window
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +50/-50 Other: Configurations of glass shall conform to the current ASTM E1300 standard and shall be safety glazed when required by FBC section 2406.		<b>Certification Agency Certificate</b> <a href="#">FL16811 R2 C CAC CCL 411-H-1460.00 .01.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/10/2021 <b>Installation Instructions</b> <a href="#">FL16811 R2 II 1866.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> Created by Independent Third Party:
16811.4	250 Series Fixed Window	96" x 72" vinyl non-impact multiple window system
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +30/-30 Other: Configurations of glass shall conform to the current ASTM E1300 standard and shall be safety glazed when required by FBC section 2406.		<b>Certification Agency Certificate</b> <a href="#">FL16811 R2 C CAC CCL 411-H-1460.12 .13.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 04/10/2021 <b>Installation Instructions</b> <a href="#">FL16811 R2 II 1866.pdf</a> Verified By: Warren W. Schaefer P.E. 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> Created by Independent Third Party:

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**GENERAL NOTES:**

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- TO THE BEST OF OUR KNOWLEDGE, THE WINDOWS SHOWN HEREIN ARE CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE 9N-3 FLORIDA BUILDING COMMISSION SPECIFICATIONS. WINDOW ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
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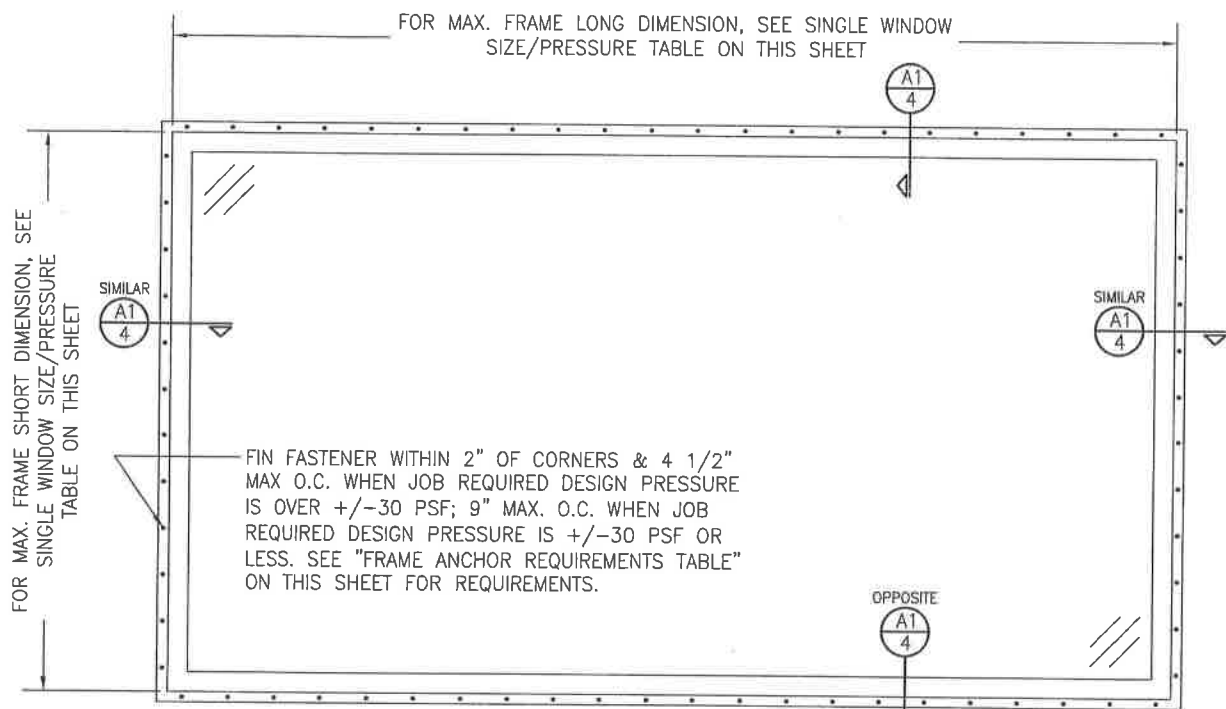
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(1) FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW. (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.). (3) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.			

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=16	DATE:	02/04/14
NO.	REVISION DESCRIPTION	DATE	BY



**EXTERIOR ELEVATION:**  
**SINGLE WINDOW**  
 SCALE: 3/4" = 1'-0"  
 (NAIL FIN MOUNT CONDITION)

**ALLOWABLE SINGLE WINDOW SIZE/PRESSURE TABLE**

MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
108	60	30
72	72	30
60	60	50

1. LONG DIMENSION MAY BE HORIZONTAL OR VERTICAL

**ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:**  
 ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

**250 SERIES VINYL FIXED DIRECT GLAZED NON-IMPACT WINDOW**

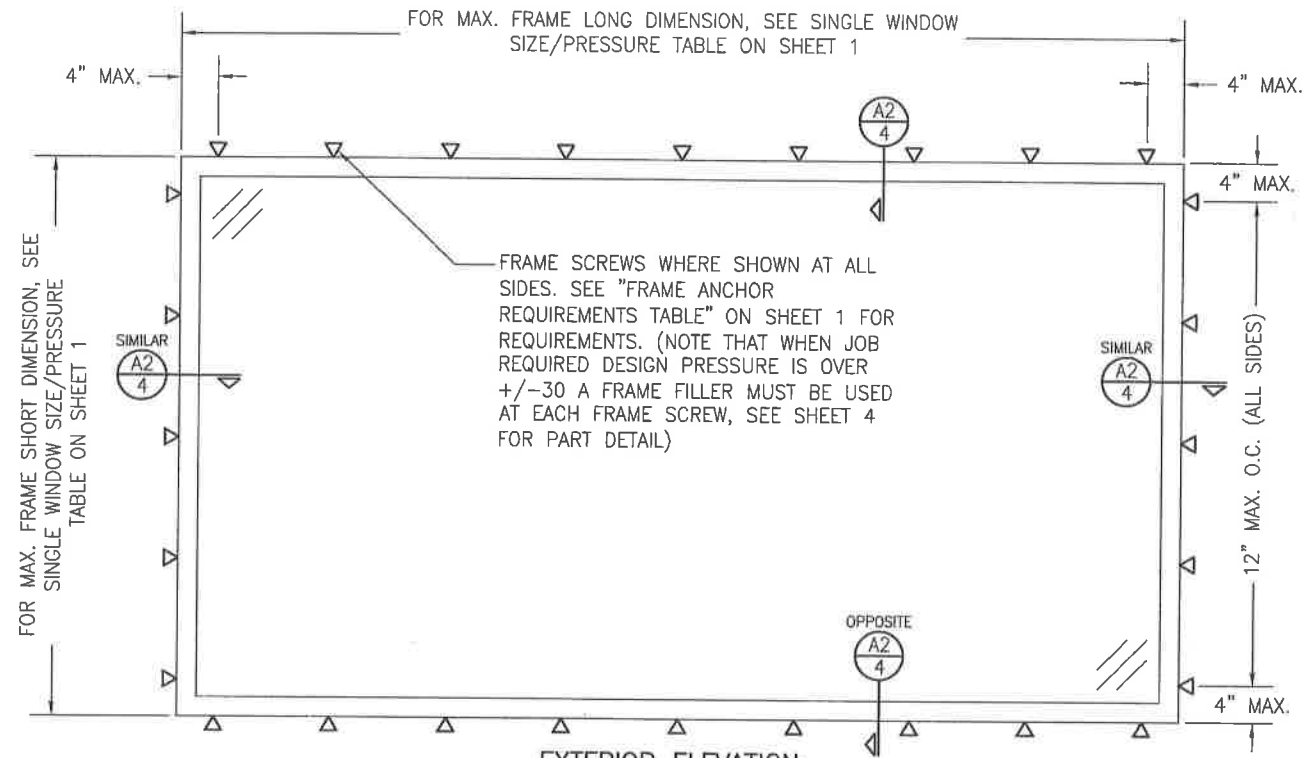
**MANUFACTURER:**  
**PELLA CORPORATION**  
 102 MAIN STREET  
 PELLA, IA 50219  
 641-621-1000

**CONSULTANTS:**  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)**  
 7480 150TH COURT NORTH  
 PALM BEACH GARDENS, FL 33418  
 PHONE: 561-744-3424

**CERTIFICATION:**  
 FEB 04 2014  
 WARREN W. SCHAEFER P.E.  
 P.E. NO. 44135

**DRAWING NO. 1866**  
**SHEET NO. 1 OF 4**

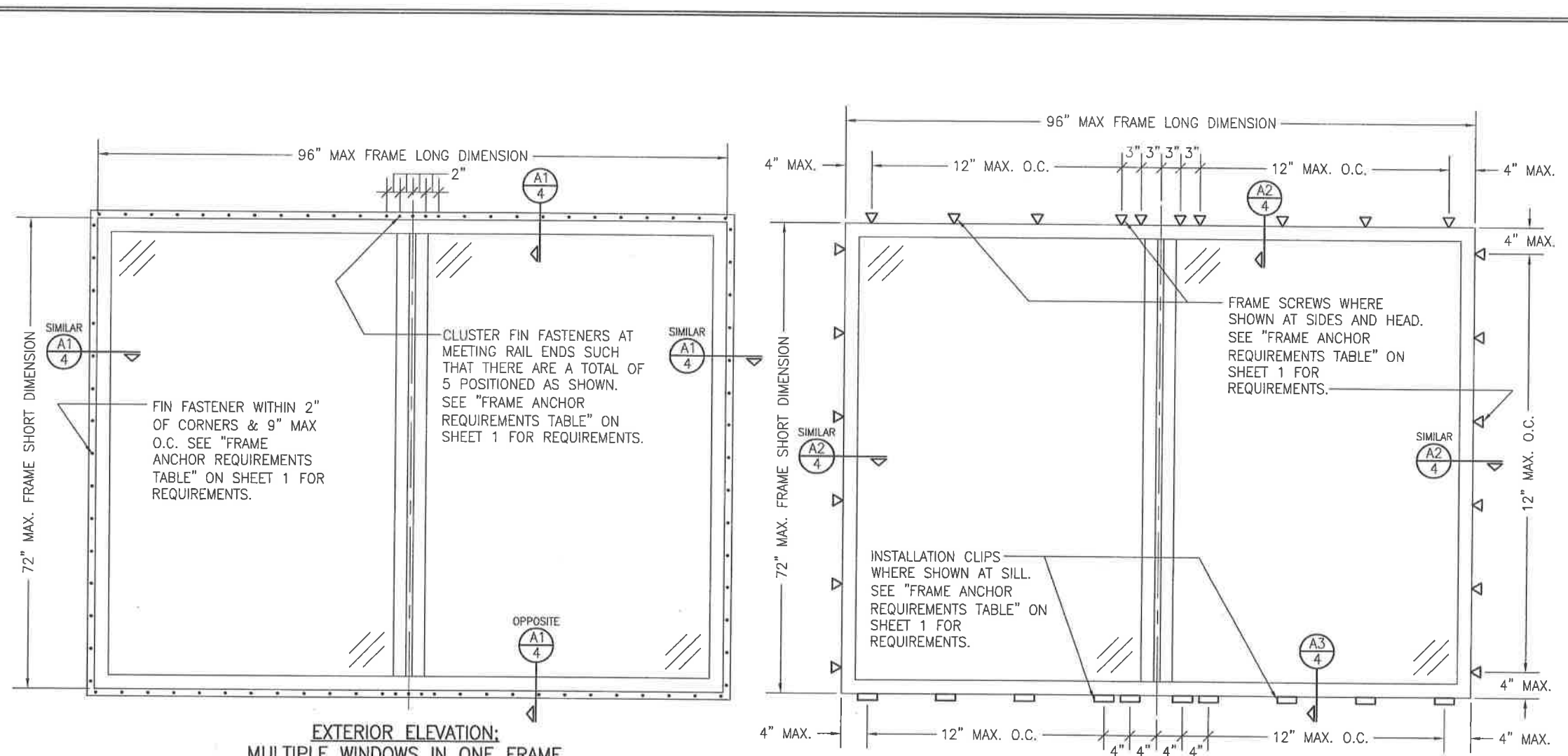




EXTERIOR ELEVATION:  
SINGLE WINDOW  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 02/04/14	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 250 SERIES VINYL FIXED DIRECT GLAZED NON-IMPACT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3624		MANUFACTURER  PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CERTIFICATION FEB 04 2014 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1866	
SHEET NO. 2 OF 4		REV.	





**EXTERIOR ELEVATION:  
MULTIPLE WINDOWS IN ONE FRAME**  
SCALE: 3/4" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

**ALLOWABLE DESIGN PRESSURE  
(MULTIPLE WINDOWS IN ONE FRAME)**  
+/-30 PSF

**EXTERIOR ELEVATION:  
MULTIPLE WINDOWS IN ONE FRAME**  
SCALE: 3/4" = 1'-0"  
(FRAME SCREW AND CLIP MOUNT CONDITION)

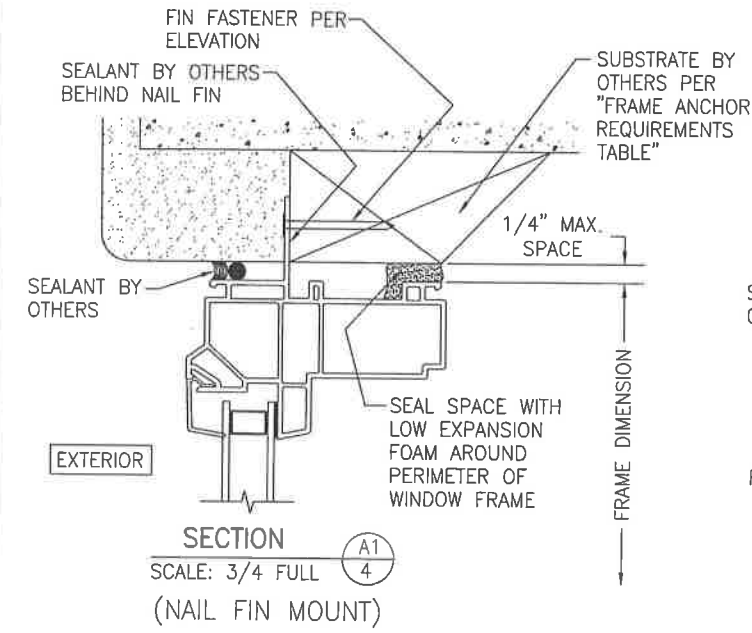
**MULTIPLE UNIT NOTES:**

1. MULLION MAY BE HORIZONTAL OR VERTICAL PROVIDING UNIT SIZES ARE RESTRICTED AS SHOWN IN THIS ELEVATION.
2. IF VERTICALLY STACKED, THE MANUFACTURER &/OR INSTALLER SHALL INSURE THAT THE DEAD LOAD WEIGHT OF THE ABOVE WINDOWS CAN NOT CAUSE UNDO FAILURE TO THE BELOW WINDOWS.
3. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.

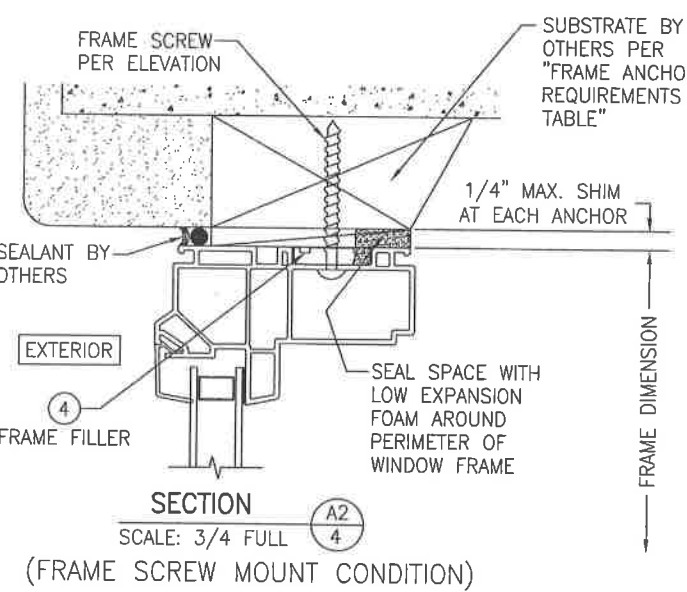


DRAWN BY: W.R.M.		CHECKED BY:	
PLOT: 1-16		DATE: 02/04/14	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 250 SERIES VINYL FIXED DIRECT GLAZED NON-IMPACT WINDOW			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: PELLA CORPORATION	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		102 MAIN STREET PELLA, IA 50219 641-621-1000	
CERTIFICATION: FEB 04 2014		P.E. WARREN W. SCHAEFER, P.E. NO. 44135	
DRAWING NO.	REV.		
1866			
SHEET NO.			
3 OF 4			

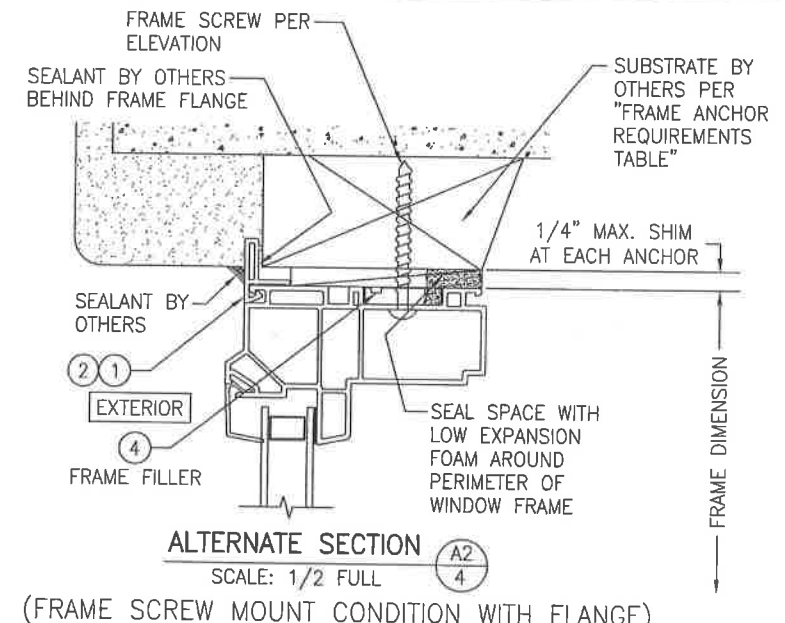




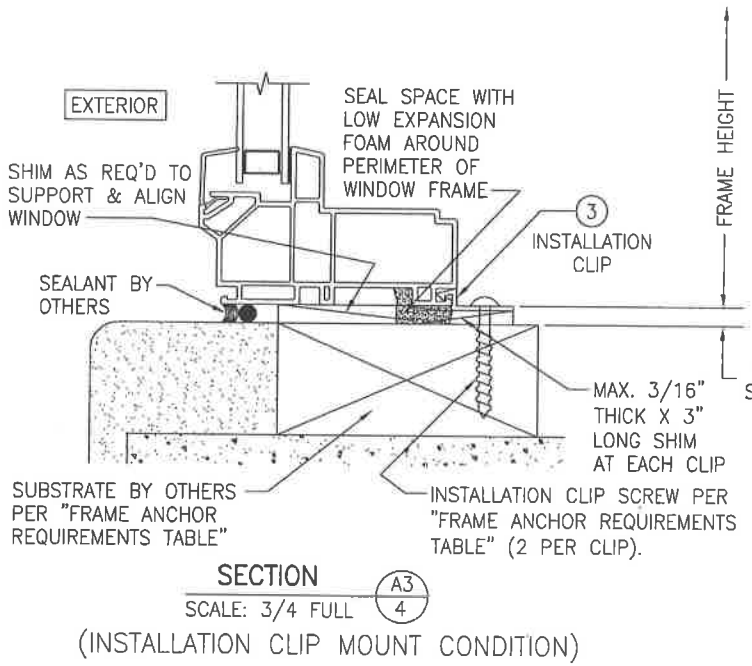
SECTION A1  
SCALE: 3/4 FULL  
(NAIL FIN MOUNT)



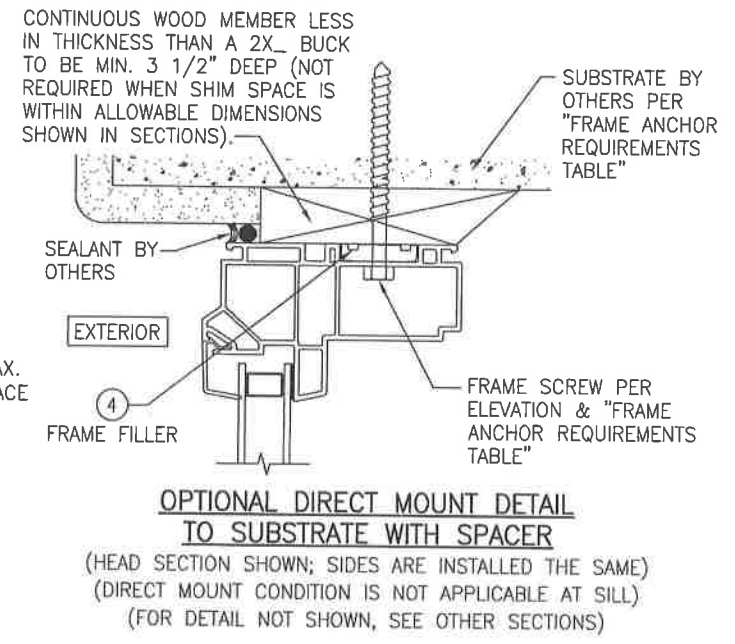
SECTION A2  
SCALE: 3/4 FULL  
(FRAME SCREW MOUNT CONDITION)



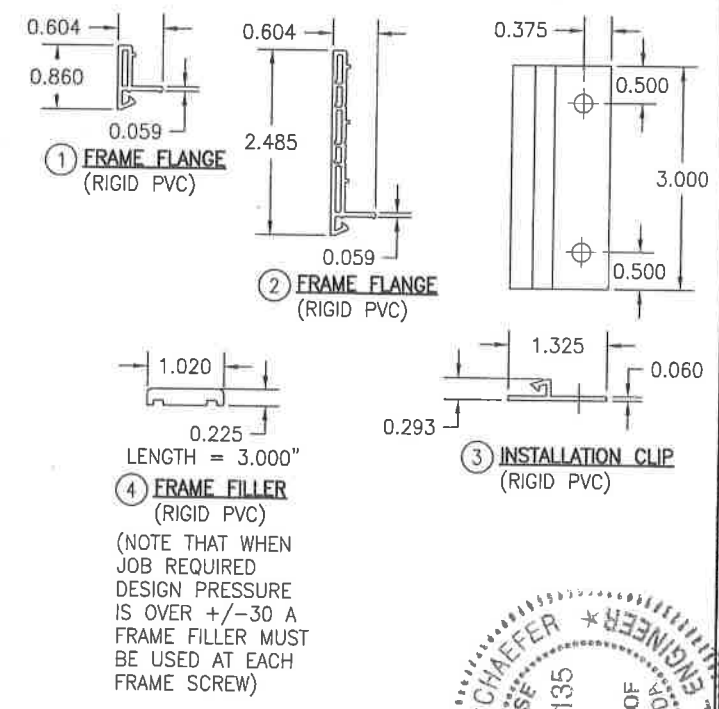
ALTERNATE SECTION A2  
SCALE: 1/2 FULL  
(FRAME SCREW MOUNT CONDITION WITH FLANGE)



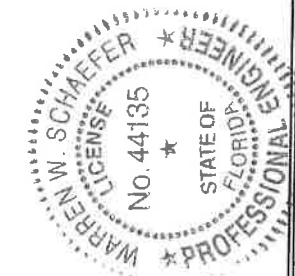
SECTION A3  
SCALE: 3/4 FULL  
(INSTALLATION CLIP MOUNT CONDITION)



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER  
(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)  
(DIRECT MOUNT CONDITION IS NOT APPLICABLE AT SILL)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



(NOTE THAT WHEN JOB REQUIRED DESIGN PRESSURE IS OVER +/-30 A FRAME FILLER MUST BE USED AT EACH FRAME SCREW)



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 02/04/14	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: 250 SERIES VINYL FIXED DIRECT GLAZED NON-IMPACT WINDOW			
MANUFACTURER: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING NO. 1866			
SHEET NO. 4 OF 4			



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**Product Approval**  
 USER: Public User

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 **Application Detail**



FL #	FL17464-R1
Application Type	Revision
Code Version	2017
Application Status	Approved
Comments	
Archived	
Product Manufacturer	Pella Corporation
Address/Phone/Email	102 Main St. Pella, IA 50219 (641) 621-6096 pellaproductapproval@pella.com
Authorized Signature	TROY FARR tbfarr@pella.com
Technical Representative	Joseph Hayden
Address/Phone/Email	102 Main Street Pella, IA 50219 (641) 621-6096 jahayden@pella.com
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 <input type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Warren W. Schaefer
Florida License	PE-44135
Quality Assurance Entity	Window and Door Manufacturers Association-QA
Quality Assurance Contract Expiration Date	03/08/2022
Validated By	Terrence E. Lunn, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
Certificate of Independence	<a href="#">FL17464 R1 COI Certification of Independence.pdf</a>
Referenced Standard and Year (of Standard)	
Equivalence of Product Standards Certified By	
Sections from the Code	1709.8

Product Approval Method                      Method 2 Option B

Date Submitted                                    09/06/2017

Date Validated                                    09/21/2017

Date Pending FBC Approval                    09/25/2017

Date Approved                                    12/12/2017

**Summary of Products**

FL #	Model, Number or Name	Description
17464.1	250 Vinyl Window Series Un-clipped Aluminum Mullion	Non-impact Mullion
<b>Limits of Use</b> Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: N/A Other: Mullion size, pressure, assembly, use, limitations and installation requirements are to be as specified in the attached drawing No. 1893 & evaluation report WWS-260. Job required design wind pressure shall be calculated in accordance with the Florida Building Code Chapter 16 and ASCE 7 Minimum Design Loads for Buildings and Other Structures.		<b>Installation Instructions</b> <a href="#">FL17464_R1_II_Drawing_1893.pdf</a> Verified By: Warren W. Schaefer PE 44135 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL17464_R1_AE_Evaluation_report_WWS-260.pdf</a> Created by Independent Third Party: Yes

[Back](#)   [Next](#)

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

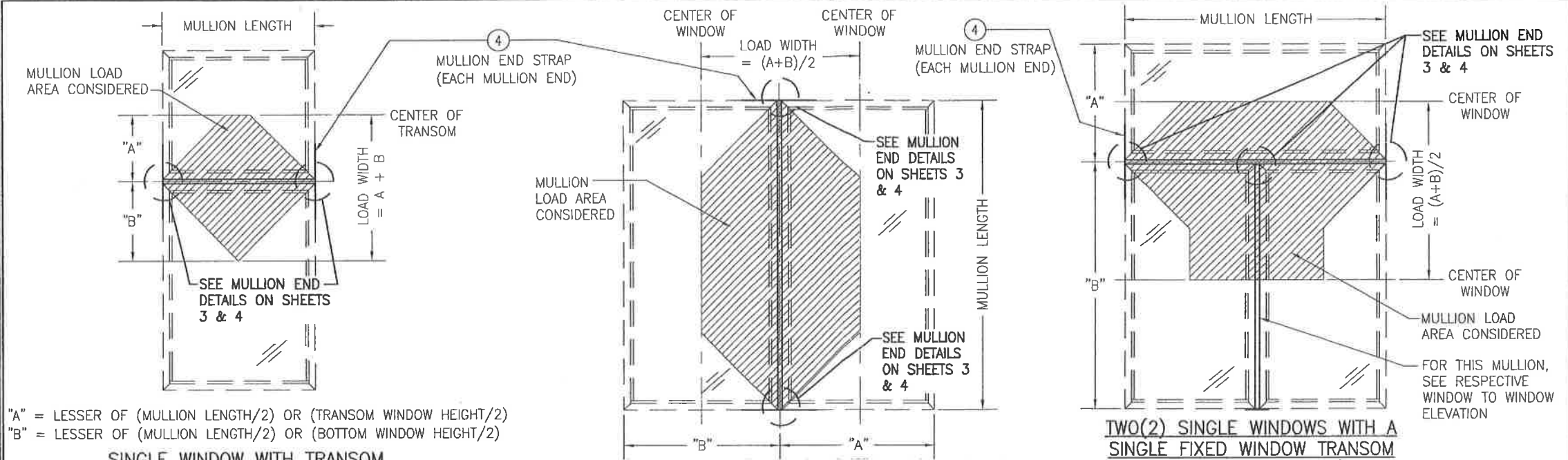
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"A" = LESSER OF (MULLION LENGTH/2) OR (TRANSOM WINDOW HEIGHT/2)  
 "B" = LESSER OF (MULLION LENGTH/2) OR (BOTTOM WINDOW HEIGHT/2)

**SINGLE WINDOW WITH TRANSOM**  
 (SEE LOAD TABLE 1.0)

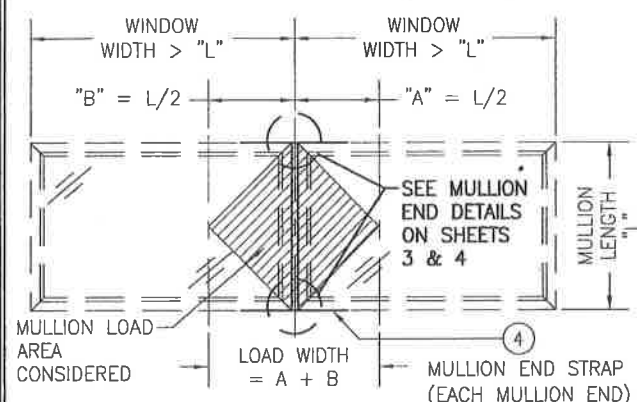
NOTE: BOTTOM WINDOW MAY BE A FIXED, SINGLE HUNG OR DOUBLE HUNG WINDOW. TOP WINDOW MAY BE A FIXED WINDOW.

**FIXED WINDOW TO FIXED WINDOW WHEN WINDOW WIDTHS ARE LESS THAN OR EQUAL TO THE MULLION LENGTH**  
 (SEE LOAD TABLE 1.0)

NOTE: WINDOWS MAY BE STACKED HORIZONTAL OR VERTICAL

**TWO(2) SINGLE WINDOWS WITH A SINGLE FIXED WINDOW TRANSOM**  
 (SEE LOAD TABLE 2.0)

NOTES:  
 \* BOTTOM WINDOWS MAY BE ANY FIXED, SINGLE HUNG OR DOUBLE HUNG WINDOW.  
 \* BOTTOM WINDOWS MAY BE MULLED TOGETHER PER THIS DRAWING OR PER THEIR INDIVIDUAL WINDOW APPROVAL.



**FIXED WINDOW TO FIXED WINDOW WHEN WINDOW WIDTHS ARE GREATER THAN THE MULLION LENGTH**  
 (SEE LOAD TABLE 1.0)

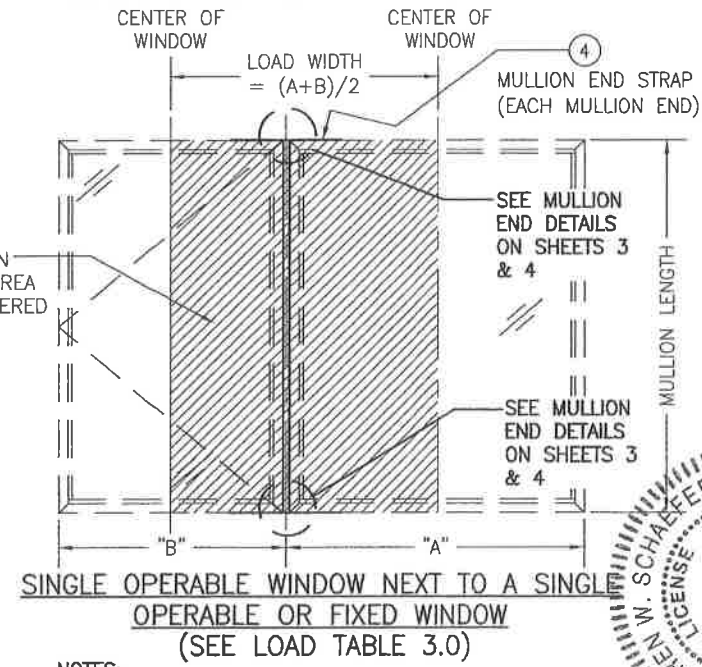
NOTE: WINDOWS MAY BE STACKED HORIZONTAL OR VERTICAL.

**GENERAL NOTES:**

1. THIS MULLION SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE & IS APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS FROM THE MULLIONS AND WINDOWS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS MULLION SYSTEM IS RATED FOR USE IN NON-HVHZ AREAS ONLY.
5. THIS MULLION SYSTEM IS NON-IMPACT RATED. ALL OPENINGS THAT INCLUDE THIS MULLION SYSTEM MUST BE SHUTTERED WITH A FLORIDA CODE APPROVED SHUTTER WHERE REQUIRED BY CODE.
6. ALL ANCHORS SECURING MULLION CLIPS TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
9. CERTIFICATION OF THIS MULLION SYSTEM SHALL BE CONSIDERED VOID IF INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH WINDOW INSTALLATIONS.
10. WINDOWS SHALL BE UNDER SEPERATE APPROVAL.
11. ALL PELLA 250 SERIES NON-IMPACT VINYL SINGLE HUNG, DOUBLE HUNG, FIXED OR SLIDING WINDOWS MAY BE SUPPORTED BY THIS MULLION SYSTEM PROVIDING THEY ARE PROPERLY ANCHORED TO THE MULLION.
12. ALLOWABLE PRESSURE ON THE MULLED UNITS SHALL BE CONTROLLED BY THE LESSER ALLOWABLE PRESSURE OF THE MULLION & ITS END CONNECTIONS OR THE WINDOWS IT SUPPORTS.
13. WINDOW SIZES SHALL BE RESTRICTED BY THEIR OWN INDIVIDUAL APPROVAL.
14. ANCHORING OF WINDOWS TO THE OPENING SHALL BE PER THEIR RESPECTIVE APPROVAL.
15. CONDITIONS NOT SHOWN OR COVERED IN THIS DRAWING SHALL BE SUBJECT TO SEPERATE REVIEW AND JOB SPECIFIC CERTIFICATION BY A FLORIDA LICENSED ENGINEER.
16. THE ALLOWABLE PRESSURES STATED IN THE LOAD TABLES CONSIDER THE WORSE CASE OF MULLION STRESS, DEFLECTION AND END REACTION.
17. MULLION TUBES SHALL BE CONTINUOUS FROM END TO END.
18. WHEN VERTICALLY STACKED, THE MANUFACTURER/INSTALLER SHALL INSURE THAT THE DEAD WEIGHT OF THE ABOVE WINDOW(S) WILL NOT CAUSE UNDO STRESS ON THE BELOW WINDOW(S). THIS MULLION SYSTEM IS DESIGNED FOR WIND LOAD RESISTANCE ONLY & IS NOT CONSIDERED TO SUPPORT THE WEIGHT OF THE WINDOWS.
19. THIS MULLION IS RESTRICTED TO MAXIMUM L/175 DEFLECTION PER FBC.

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

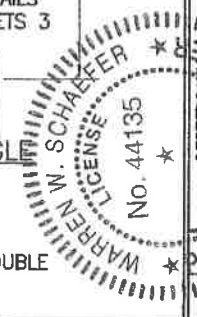
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

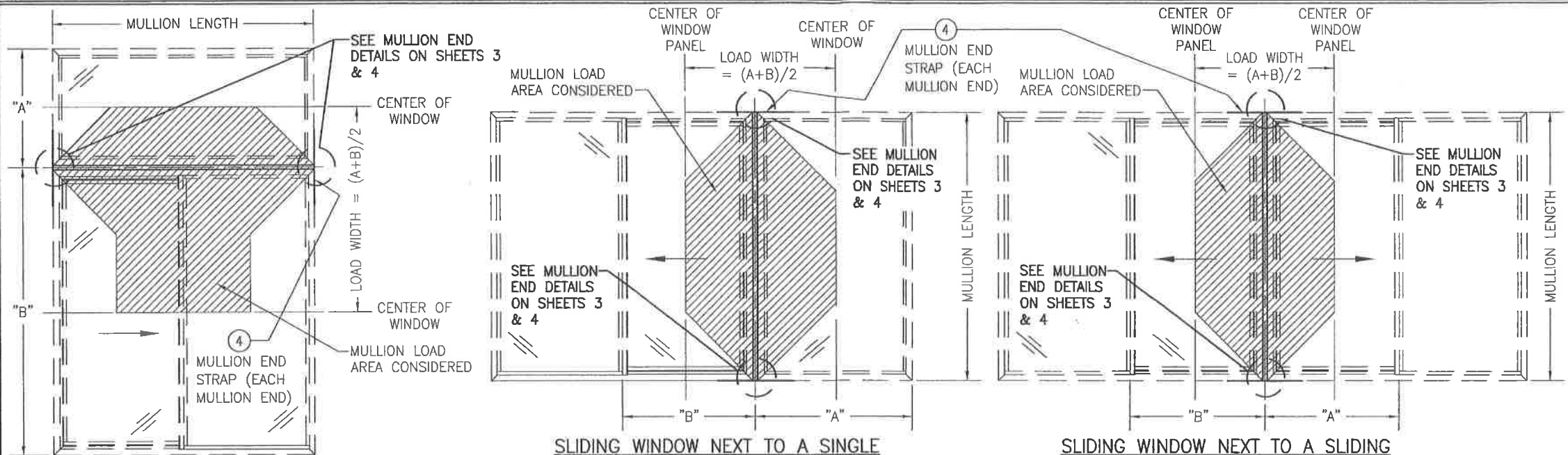


**SINGLE OPERABLE WINDOW NEXT TO A SINGLE OPERABLE OR FIXED WINDOW**  
 (SEE LOAD TABLE 3.0)

NOTES:  
 \* OPERABLE WINDOW(S) MAY BE SINGLE HUNG OR DOUBLE HUNG WINDOWS.

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 01/28/15	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 250 VINYL WINDOW SERIES UNCLIPPED ALUMINUM MULLION (NON-IMPACT)			
JOB INFORMATION: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DRAWING NO. 1893 SHEET NO. 1 OF 6			





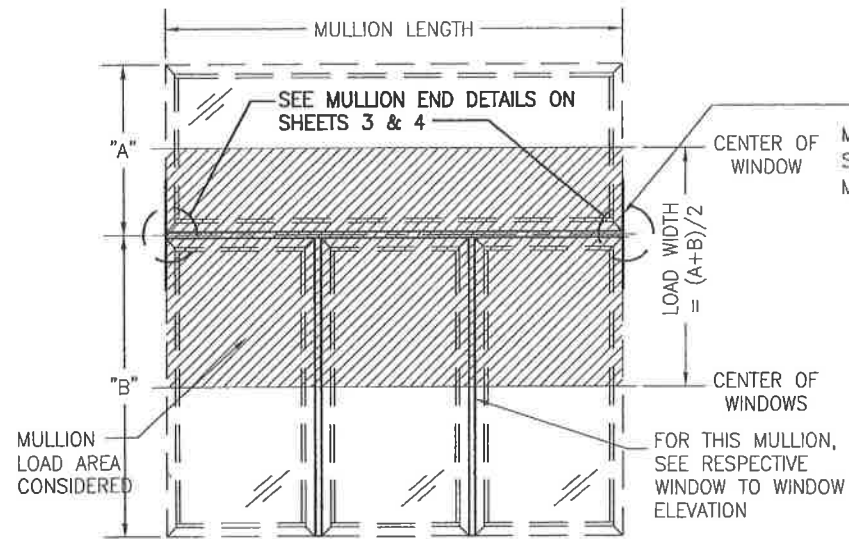
**TWO(2) PANEL SLIDING WINDOW WITH A SINGLE FIXED WINDOW TRANSOM**  
(SEE LOAD TABLE 2.0)

**SLIDING WINDOW NEXT TO A SINGLE FIXED WINDOW**  
(SEE LOAD TABLE 1.0)

**SLIDING WINDOW NEXT TO A SLIDING WINDOW**  
(SEE LOAD TABLE 1.0)

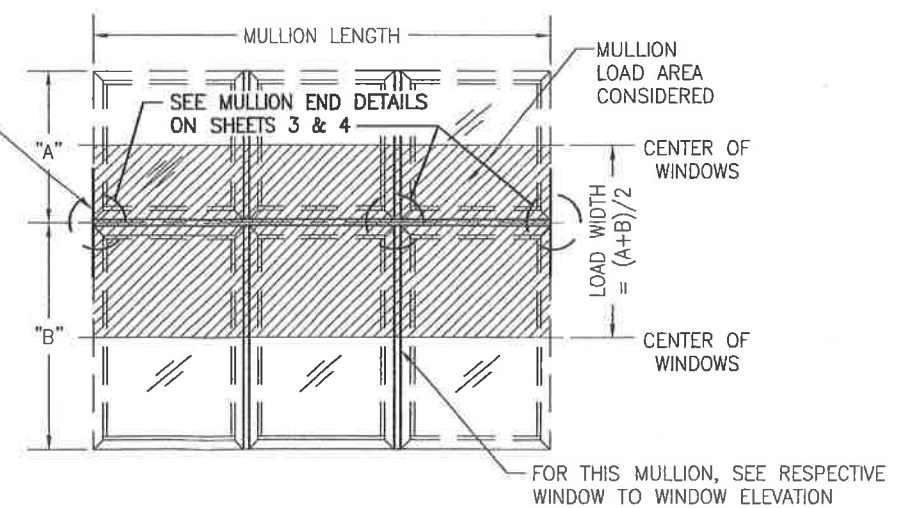
NOTE: 2-PANEL SLIDING WINDOW IS SHOWN. MORE THAN 2 PANELS MAY APPLY TO THE SLIDING WINDOW.

NOTE: 2-PANEL SLIDING WINDOWS ARE SHOWN. MORE THAN 2 PANELS MAY APPLY TO THE SLIDING WINDOWS.



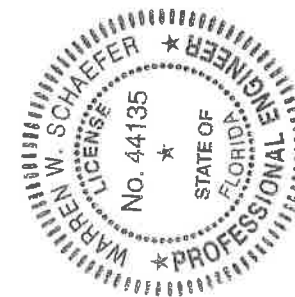
**MULTIPLE WINDOWS WITH SINGLE TRANSOM**  
(SEE LOAD TABLE 3.0)

NOTES:  
\* BOTTOM WINDOWS MAY CONSIST OF UP TO 3 FIXED, OR OPERABLE WINDOWS.

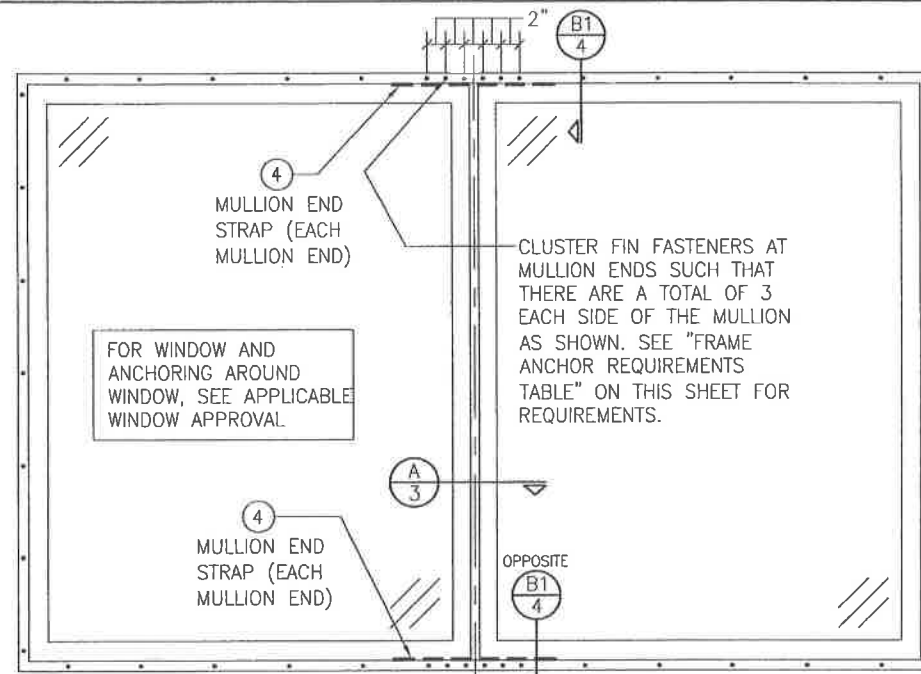


**MULTIPLE WINDOWS OVER MULTIPLE WINDOWS**  
(SEE LOAD TABLE 3.0)

NOTES:  
\* CONTINUOUS MULLIONS MAY BE HORIZONTAL OR VERTICAL (HORIZONTAL SHOWN).  
\* CONFIGURATIONS MAY CONSIST OF UP TO 3 WINDOWS WIDE X 2 WINDOWS HIGH (FIXED AND/OR OPERABLE)



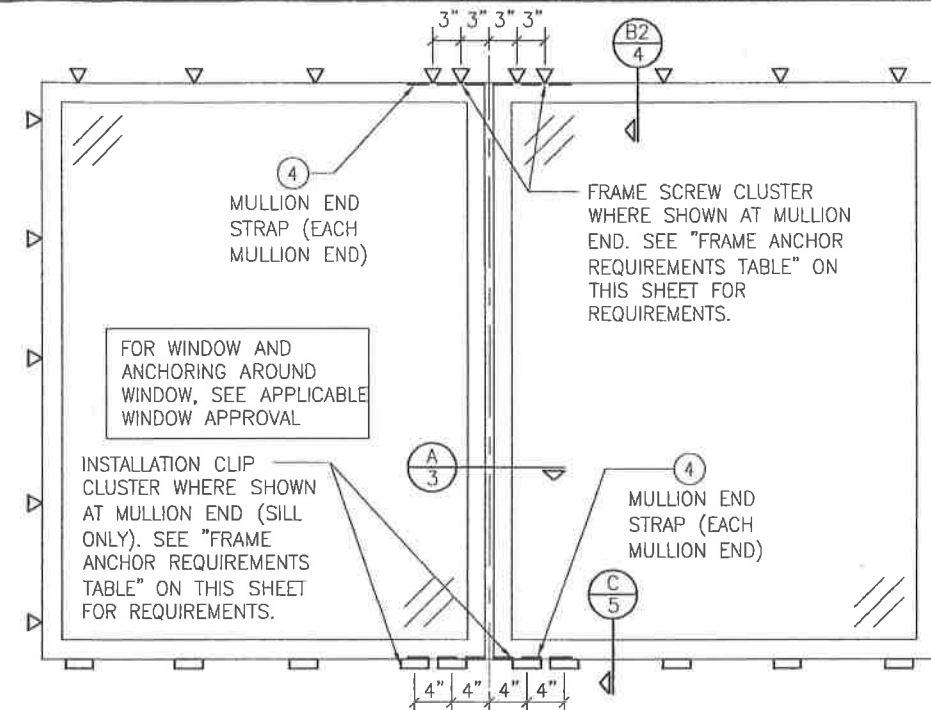
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 01/29/15
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE: <b>250 VINYL WINDOW SERIES UNCLIPPED ALUMINUM MULLION (NON-IMPACT)</b>	
JOB INFORMATION: <b>PELLA CORPORATION</b> 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS: <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION <b>FEB 24 2015</b>	P.E. <b>WARREN W. SCHAEFER, P.E.</b> P.E. NO. 44135
DRAWING NO. <b>1893</b>	REV.
SHEET NO. <b>2</b>	OF <b>6</b>



**EXTERIOR ELEVATION;  
TYPICAL MULLED UNIT**

SCALE: 3/4" = 1'-0"

(NAIL FIN MOUNT CONDITION)



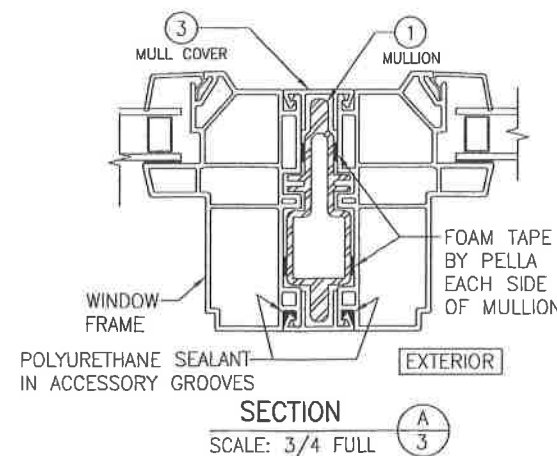
**EXTERIOR ELEVATION;  
TYPICAL MULLED UNIT**

SCALE: 3/4" = 1'-0"

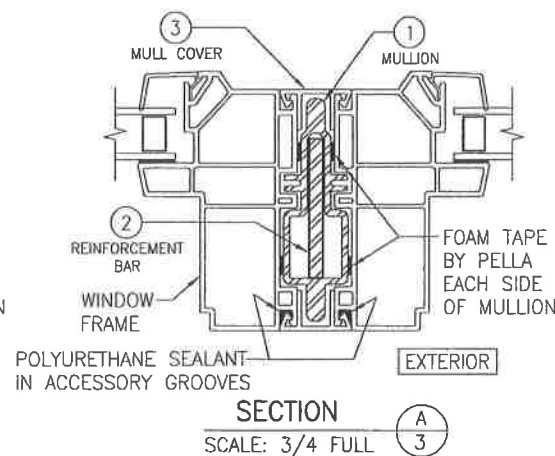
(FRAME SCREW AND CLIP MOUNT CONDITION)

FRAME ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	1/2"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(3) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- (1) FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW.  
 (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).  
 (3) NAIL FIN SCREWS MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



**SECTION A-3**  
SCALE: 3/4" FULL  
(STANDARD ALUMINUM MULLION)



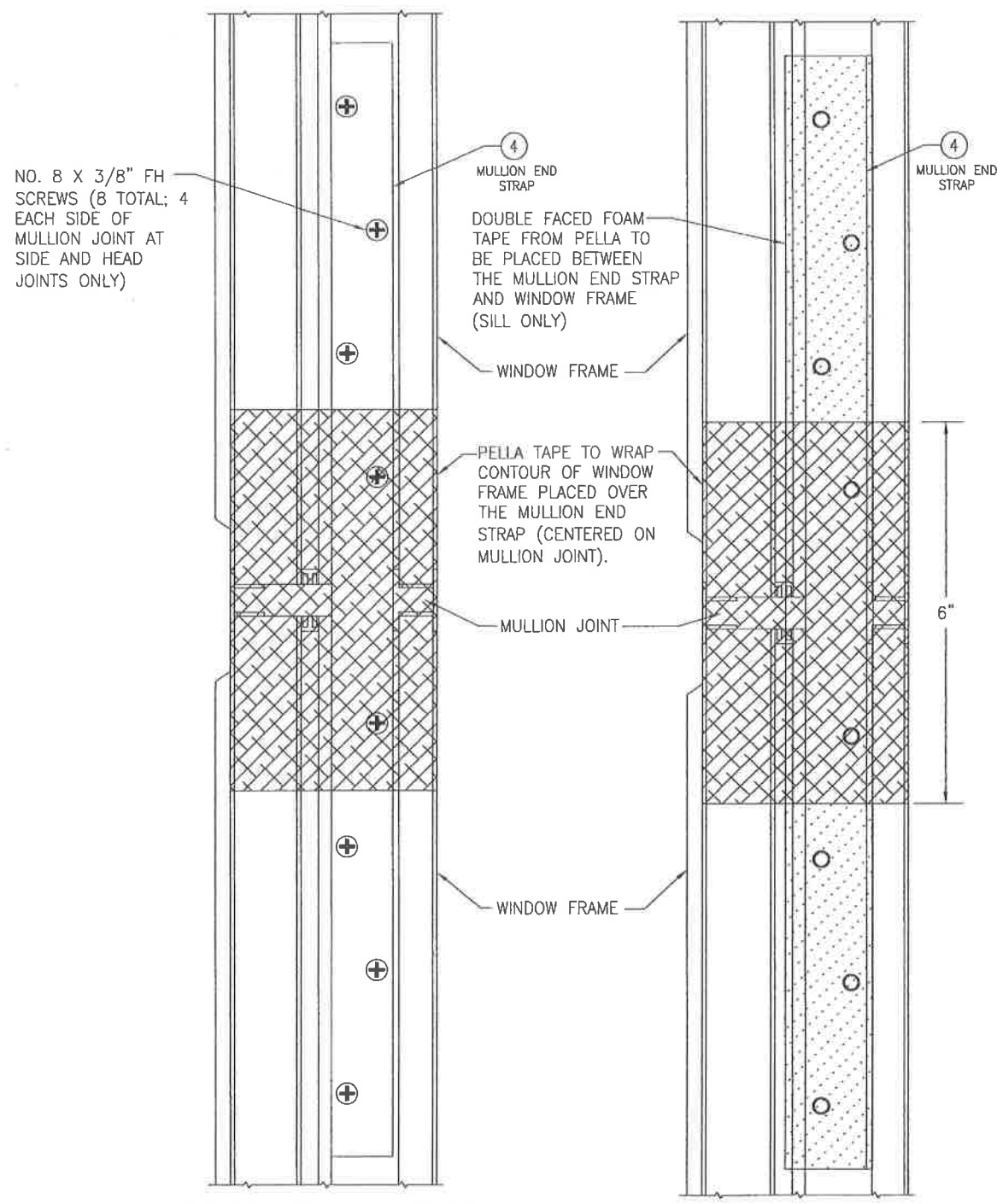
**SECTION A-3**  
SCALE: 3/4" FULL  
(STEEL REINFORCED ALUMINUM MULLION)

(FIXED WINDOW JAMBS SHOWN. JAMBS OF OTHER WINDOW TYPES ARE SECURED TO THE MULLION THE SAME.)

**MULLION END SEALANT NOTE:** THE MULLION ENDS ARE HELD BACK APPROXIMATELY 3/4". THE END 4 INCHES OF THE MULLION PART #1 ARE TO BE COMPLETELY SEALED TO THE WINDOW FRAMES WITH POLYURETHANE SEALANT. SEALANT IS THEN TO BE PLACED ALONG THE MULLION END CROSS SECTION, A FOAM PLUG SHALL BE PLACED INTO THE CAVITY AND THE PLUG EXPOSED EDGES ARE TO BE SEALED TO THE WINDOW FRAMES (PER PELLA INSTRUCTIONS).

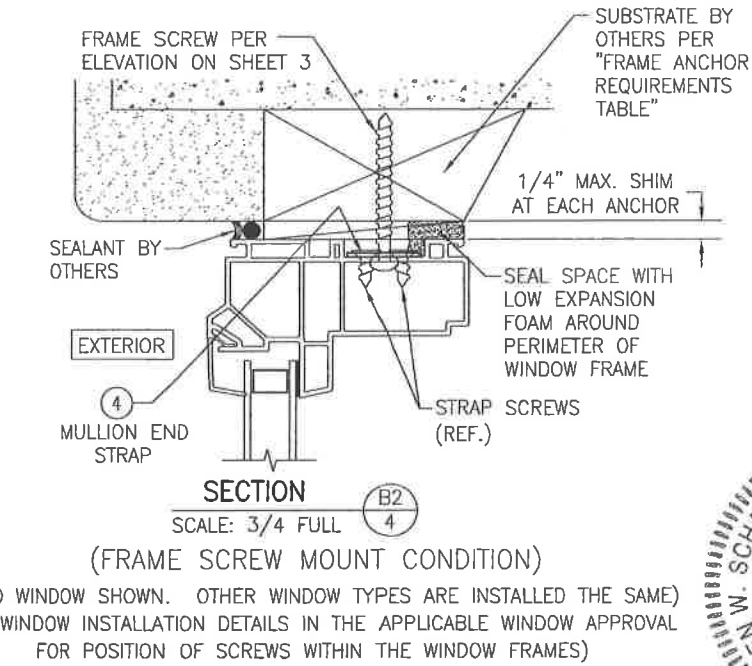
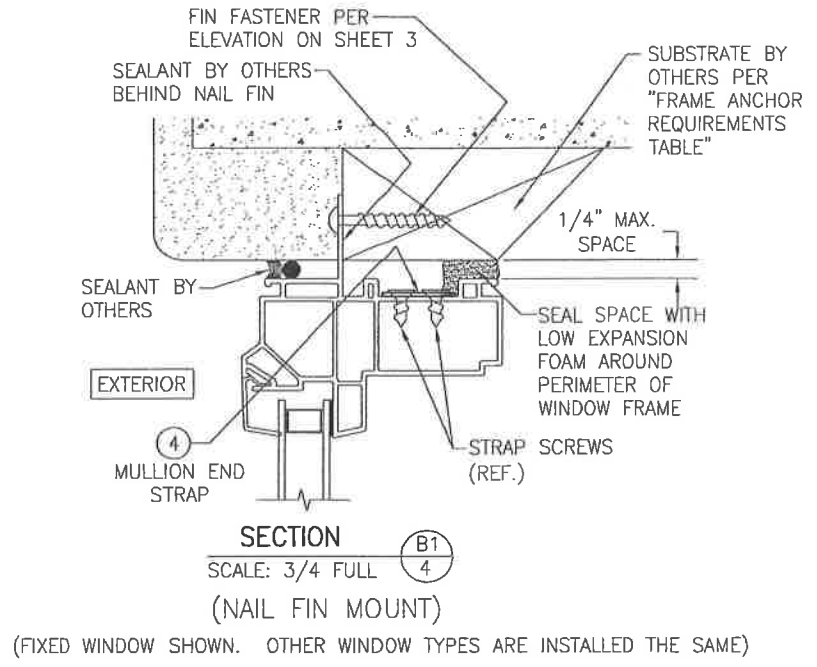
DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLLOT: 1-24	DATE: 01/29/15
NO.	REVISION DESCRIPTION
BY	DATE
JOB INFORMATION:	
550 VINYL WINDOW SERIES UNCLIPPED ALUMINUM MULLION (NON-IMPACT)	
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1893	REV.
SHEET NO. 3	OF 6



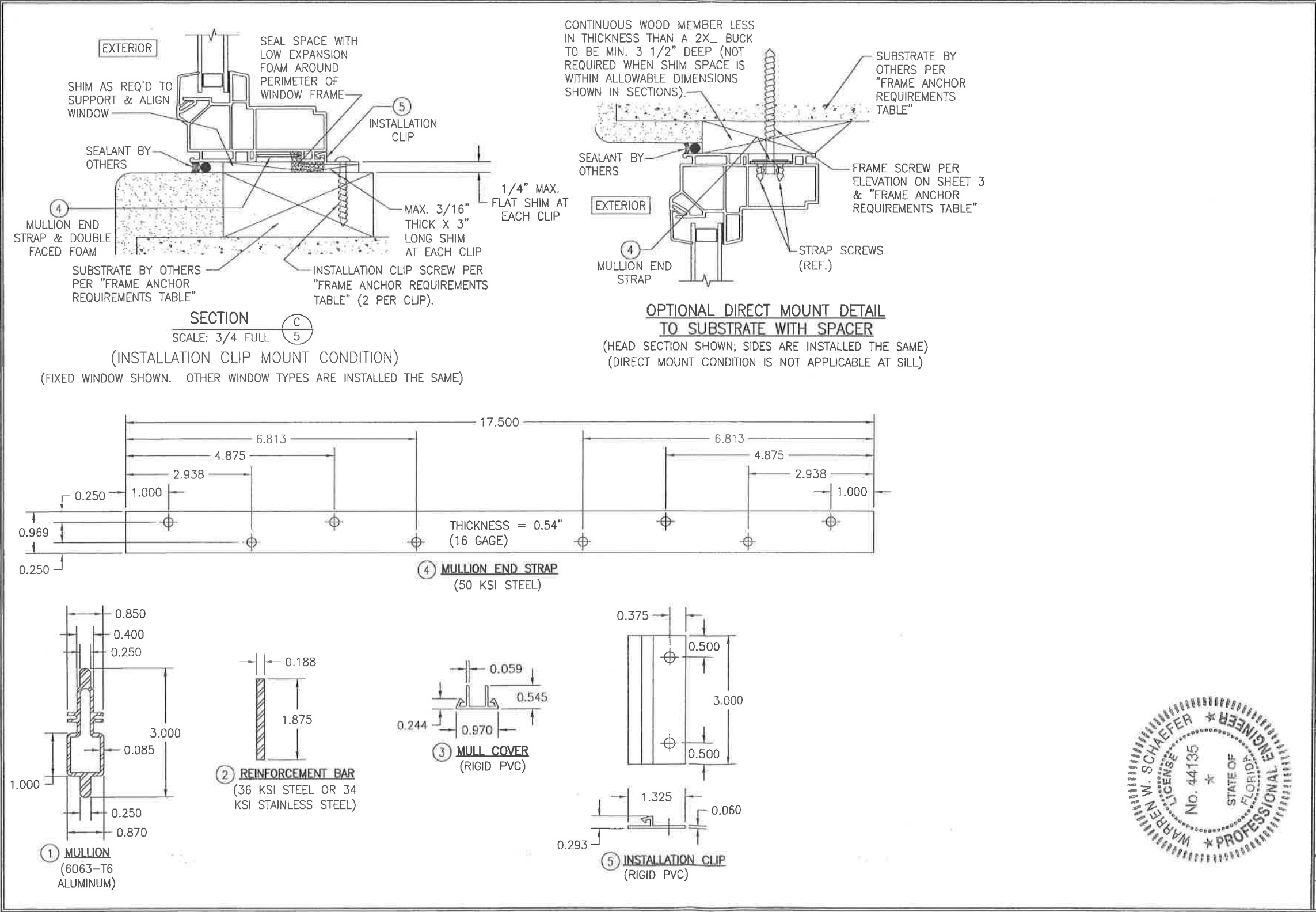


**MULLION END STRAP DETAIL**  
(APPLICABLE AT SIDES AND HEAD OF MULLED UNITS)

**MULLION END STRAP DETAIL**  
(APPLICABLE AT SILL OF MULLED UNITS)



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 01/28/15
NO.	REVISION DESCRIPTION
DRAWING TITLE: 250 VINYL WINDOW SERIES UNCLIPPED ALUMINUM MULLION (NON-IMPACT) MANUFACTURER: Pella CORPORATION CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 CERTIFICATION: FEB 24 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO.	REV.
1893	
SHEET NO.	4 OF 6



DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLDT: 1-2	DATE: 01/28/15
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE 250 VINYL WINDOW SERIES UNCLIPPED ALUMINUM MULLION (NON-IMPACT)	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000	
CERTIFICATION FEB 24 2015	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1893	REV.
SHEET NO. 5	OF 6





LOAD TABLE 1.0				LOAD TABLE 2.0				LOAD TABLE 3.0			
MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)		MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)		MAXIMUM MULLION LENGTH (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	
		STANDARD ALUMINUM MULL	STEEL REINFORCED ALUMINUM MULL			STANDARD ALUMINUM MULL	STEEL REINFORCED ALUMINUM MULL			STANDARD ALUMINUM MULL	STEEL REINFORCED ALUMINUM MULL
108	18	N/A	23.8	108	18	N/A	23.8	108	18	N/A	23.8
	24	N/A	21.2		24	N/A	21.2		24	N/A	21.2
102	18	N/A	28.3	102	18	N/A	28.3	102	18	N/A	28.3
	30	N/A	20.4		30	N/A	20.4		30	N/A	20.4
96	24	N/A	25.5	96	24	N/A	25.5	96	24	N/A	25.5
	18	22.0	33.9		18	22.0	33.9		18	22.0	33.9
	36	N/A	20.6		36	N/A	20.6		36	N/A	20.6
90	30	N/A	24.7	90	30	N/A	24.7	90	30	N/A	24.7
	24	20.1	30.9		24	20.1	30.9		24	20.1	30.9
	18	26.8	41.2		18	26.8	41.2		18	26.8	41.2
	42	N/A	21.7		42	N/A	21.7		42	N/A	21.7
84	36	N/A	25.3	84	36	N/A	25.3	84	36	N/A	25.3
	30	19.7	30.4		30	19.7	30.4		30	19.7	30.4
	24	24.7	38.0		24	24.7	38.0		24	24.7	38.0
	18	32.9	50.7		18	32.9	50.7		18	32.9	50.7
	54	N/A	21.1		54	N/A	21.1		54	N/A	21.1
78	48	N/A	23.7	78	48	N/A	23.7	78	48	N/A	23.7
	42	N/A	27.1		42	N/A	27.1		42	N/A	27.1
	36	20.5	31.6		36	20.5	31.6		36	20.5	31.6
	30	24.7	38.0		30	24.7	38.0		30	24.7	38.0
	24	30.8	47.5		24	30.8	47.5		24	30.8	47.5
	18	41.1	63.3		18	41.1	63.3		18	41.1	63.3
	66	N/A	21.9		66	N/A	21.9		66	N/A	21.9
72	60	N/A	24.1	72	60	N/A	24.1	72	60	N/A	24.1
	54	N/A	26.8		54	N/A	26.8		54	N/A	26.8
	48	19.6	30.2		48	19.6	30.2		48	19.6	30.2
	42	22.4	34.5		42	22.4	34.5		42	22.4	34.5
	36	26.1	40.2		36	26.1	40.2		36	26.1	40.2
	30	31.4	48.3		30	31.4	48.3		30	31.4	48.3
	24	39.2	60.4		24	39.2	60.4		24	39.2	60.4
	18	52.3	70.0		18	52.3	70.0		18	52.3	70.0
	66	N/A	28.5		66	N/A	28.5		66	N/A	28.5
66	60	20.4	31.3	66	60	20.4	31.3	66	60	20.4	31.3
	54	22.6	34.8		54	22.6	34.8		54	22.6	34.8
	48	25.4	39.2		48	25.4	39.2		48	25.4	39.2
	42	29.1	44.8		42	29.1	44.8		42	29.1	44.8
	36	33.9	52.2		36	33.9	52.2		36	33.9	52.2
	30	40.7	62.7		30	40.7	62.7		30	40.7	62.7
	24	50.9	70.0		24	50.9	70.0		24	50.9	70.0
	18	67.8	70.0		18	67.8	70.0		18	67.8	70.0
	60	27.1	41.7		60	27.1	41.7		60	27.1	41.7
	54	30.1	46.3		54	30.1	46.3		54	30.1	46.3
	48	33.9	52.1		48	33.9	52.1		48	33.9	52.1
	42	38.7	59.6		42	38.7	59.6		42	38.7	59.6
	36	45.1	69.5		36	45.1	69.5		36	45.1	69.5
	30	54.2	70.0		30	54.2	70.0		30	54.2	70.0
	24	67.7	70.0		24	67.7	70.0		24	67.7	70.0
	23	70.0	70.0		23	70.0	70.0		23	70.0	70.0
60	54	39.2	61.9	60	54	39.2	61.9	60	54	39.2	61.9
	48	44.1	69.6		48	44.1	69.6		48	44.1	69.6
	42	50.4	70.0		42	50.4	70.0		42	50.4	70.0
	36	58.8	70.0		36	58.8	70.0		36	58.8	70.0
	30	70.0	70.0		30	70.0	70.0		30	70.0	70.0
	54	39.2	61.9		54	39.2	61.9		54	39.2	61.9
	48	44.1	69.6		48	44.1	69.6		48	44.1	69.6
	42	50.4	70.0		42	50.4	70.0		42	50.4	70.0
	36	58.8	70.0		36	58.8	70.0		36	58.8	70.0
	30	70.0	70.0		30	70.0	70.0		30	70.0	70.0
	72	37.2	53.6		72	37.2	53.6		72	37.2	53.6
	66	40.6	58.4		66	40.6	58.4		66	40.6	58.4
	60	44.6	64.3		60	44.6	64.3		60	44.6	64.3
	54	49.6	70.0		54	49.6	70.0		54	49.6	70.0
	48	55.8	70.0		48	55.8	70.0		48	55.8	70.0
	42	63.8	70.0		42	63.8	70.0		42	63.8	70.0
	38	70.0	70.0		38	70.0	70.0		38	70.0	70.0
	72	48.6	61.2		72	48.6	61.2		72	48.6	61.2
	66	53.0	66.8		66	53.0	66.8		66	53.0	66.8
	60	58.3	70.0		60	58.3	70.0		60	58.3	70.0
	54	64.8	70.0		54	64.8	70.0		54	64.8	70.0
	49	70.0	70.0		49	70.0	70.0		49	70.0	70.0
	72	66.1	70.0		72	66.1	70.0		72	66.1	70.0
44	44	70.0	70.0	44	44	70.0	70.0	44	44	70.0	70.0

INSTRUCTIONS FOR TABLE USE:  
 1. DETERMINE JOB REQUIRED WIND PRESSURE FOR THE OPENING.  
 2. DETERMINE THE MULLION LENGTH & LOAD WIDTH FOR THE APPLICABLE MULLION USING THE APPLICABLE ELEVATION ON SHEETS 1 & 2.  
 3. FIND THE ALLOWABLE PRESSURE FOR THE MULLION CONDITIONS CONSIDERED AND VERIFY THAT IT IS LESS THAN THE REQUIRED PRESSURE.

TABLE NOTES:  
 1. FOR ALL CONNECTION TYPES, SEE SHEETS 3 & 4 FOR DETAIL.  
 2. IN ORDER TO SIMPLIFY TABLES, TABLE PRESSURES ARE LIMITED TO 70 PSF. USE OF THESE MULLIONS FOR PRESSURES HIGHER THAN 70 PSF SHALL BE REVIEWED UNDER SEPARATE APPROVAL.  
 3. THESE LOAD TABLES ARE CERTIFIED AS CORRECT IN CONTENT. HOWEVER, CHOOSING OF THE CORRECT MULLION & CONNECTION FROM THESE TABLES FOR ITS SPECIFIC USE IS THE RESPONSIBILITY OF THOSE USING THE TABLES AND SHOULD BE VERIFIED BY THE BUILDING OFFICIAL OR A FLORIDA CERTIFIED ENGINEER.  
 4. ALL LOADS IN THESE TABLES RESTRICT MULLION DEFLECTION TO L/175 PER THE FLORIDA BUILDING CODE.



DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 01/28/15	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE 250 VINYL WINDOW SERIES UNCLIPPED ALUMINUM MULLION (NON-IMPACT)			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
MANUFACTURER Pella CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CERTIFICATION FEB 24 2015 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1893		REV.	
SHEET NO. 6 OF 6			