



PERMIT

PERMIT NUMBER:
BC-WNDR-25-0123
PERMIT TYPE:
Commercial Windows
Doors

ISSUED: 07/01/2025

ADDRESS: 3806 GULF OF MEXICO Dr C203, Longboat Key, FL 34228

USE: Commercial

WORK DESCRIPTION: REPLACEMENT WINDOWS SIZE FOR SIZE

OWNER: SHTEYMAN DMITRY

CONTRACTOR: Dale Lewis

CONTRACTOR PHONE: **LICENSE:** CGC034201

STIPULATIONS:

Note: Contractors/owners please contact your community association prior to start of any work.

IT IS THE RESPONSIBILITY OF PERMIT HOLDERS OF EACH PHASE OF WORK TO PROCURE INSPECTIONS AS REQUESTED AND TO VERIFY APPROVALS PRIOR TO PROCEEDING TO NEXT PHASE.

NOTICE (Fla. Statute 553.79(10): In addition to the requirements of this permit, there may be additional restrictions applicable to this property that may be found in the public records of the county, and there may be additional permits required from this or other governmental entities such as water management districts, state or federal agencies.

PERMITS FOR DEMOLITIONS OR RENOVATIONS OF AN EXISTING STRUCTURE: This is notification of the owners or owner's representative's responsibility to comply with provisions of s. 469.003 Florida Statutes printed below, regarding Asbestos Abatement and to notify the Department of Environmental Protection of your intentions to remove asbestos, when applicable, in accordance with the state and federal law.

F.S. 469, Asbestos Abatement. 469.003 License Required

(1) No person may conduct an asbestos survey, develop an operation and maintenance plan, or monitor and evaluate asbestos abatement unless trained and licensed as an asbestos consultant as required by this chapter.

(2) No person may prepare asbestos abatement specifications unless trained and licensed as an asbestos consultant as required by this chapter.

(3) No person may contact the department under this chapter as an asbestos contractor, except as otherwise provided in this chapter.

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.

130.02(C) Unreasonable Sound Prohibited

(2)(f) Construction and demolition. Engaging in construction or demolition on Sunday, on any holiday, or between the hours of 5:00 p.m. and 8:00 a.m. Monday through Saturday except for emergency work by a public service utility or by other permit approved by the town This sub section shall not apply to the use of domestic power tools as specified in subsection (i) of this section.

PARKING INFORMATION

For properties along Gulf of Mexico Drive:

Parking along the entire length of Gulf of Mexico Drive is prohibited. Vehicles that are parked along either side of Gulf of Mexico Drive are subject to a \$75 parking citation.

For properties in the Village:

Service Vehicles (a "vehicle with a business sign or logo owned and operated by a person, firm or corporation actively engaged in a service or business activity at the home of Resident within the Resident-Only Parking Permit area") can park on Village streets that allow Resident-Only Parking. Service vehicles are encouraged to use Resident-Only spaces rather than parking in the limited publicly available parking spaces.

**PERMIT MUST BE POSTED IN A CONSPICUOUS LOCATION VIEWABLE FROM ROAD.
INSPECTION REQUESTS REQUIRED AT LEAST 24 HOURS IN ADVANCE.
REQUESTS: 41-316-1966**

Town of Longboat Key - Planning, Zoning & Building - 501 Bay Isles Road, Longboat Key, FL 34228 - 941-316-1966 F: 941-316-1970

NOTICE OF COMMENCEMENT

Permit Number _____ Tax Folio # 0002141060

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).

3806 GULF OF MEXICO DR #C203 LONGBOAT KEY, FL, 34228

2. GENERAL DESCRIPTION OF IMPROVEMENT:

Replacement of windows/doors using existing openings. Size for size.

3. OWNER INFORMATION OR LESSEE INFORMATION IF THE LESSEE CONTRACTED FOR THE IMPROVEMENT:

Name & Address: DMITRY SHITEYMAN 3806 GULF OF MEXICO DR #C203 LONGBOAT KEY, FL, 34228

Interest in Property: Owner

Fee Simple Title Holder (if different from owner listed above): _____

4. CONTRACTOR: Name: RSC Business Ventures Inc dba Wilson Window Glass & Mirror **Phone Number:** 941-921-1113

Contractors Address: 5330 Ashton Ct, Sarasota, FL 34233

5. SURETY (if applicable, a copy of the payment bond is attached): Amount of bond: \$ _____

Name: _____ **Phone Number:** _____

Address: _____

6. LENDER'S NAME: _____ **Phone Number:** _____

Lender's address: _____

7. Person's within the State of Florida Designated by Owner upon whom notice or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes.

Name: _____ **Phone Number:** _____

Address: _____

8. In addition, Owner designates _____ of _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

Phone number of person or entity designated by Owner: _____

9. Expiration of notice commencement (the expiration date will be 1 year from date of recording unless a different date is specified. _____ 20, _____.

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

Signed by: DMITRY SHITEYMAN
(Signature of Owner or Lessee, or Owner's or Lessee's
Authorized Officer/Director/Partner/Manager)

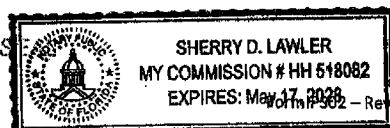
DMITRY SHITEYMAN
(Print Name and Provide Signatory's Title/Office)

State of FL County of Sarasota

The foregoing instrument was acknowledged before me this 28 day of May, 2025 by Dmitry Shiteyman for _____
(type of authority, ...e.g., officer, trustee, attorney in fact) (name of party on behalf of whom instrument was executed)

Personally Known or Produced Identification

Sherry D. Lawler
(Signature of Notary Public - State of Florida)



RECORDED IN OFFICIAL RECORDS
INSTRUMENT # 2025081575 1 PG(S)

5/28/2025 1:50 PM

KAREN E. RUSHING

CLERK OF THE CIRCUIT COURT
SARASOTA COUNTY, FLORIDA

CSC

Receipt # 3347267

This space reserved for recording



Town of Longboat Key
Planning, Zoning and Building Department

501 Bay Isles Road
Longboat Key, Florida 34228
941-316-1966
941-316-1970 FAX

BUILDING PERMIT APPLICATION

Application must be completed in ink or typed. Please submit one copy of application and three copies of supporting documentation. License holder or owner signatures must be notarized. All sections of the application must be accurately completed including the Work Description with a thorough description of all work proposed by this application. All required supporting documents, engineering, plans, etc., must be submitted for the application to be valid for review.

OFFICE USE ONLY:

Permit No. _____ Fees Due _____ Receipt No. _____

REVIEWED UNDER CURRENT FLORIDA BUILDING CODES AND STATE STATUTES
IF PAYING BY CREDIT CARD, PLEASE COMPLETE A CREDIT CARD AUTHORIZATION FORM

Amount of contract: \$ 17,000 If contract, or price, is \$5,000 or more, a recorded Notice of Commencement is required to be submitted prior to the issuance of the permit.

JOB SITE

PROJECT/COMPLEX NAME (IF ANY): Beach Harbor Club

STREET ADDRESS: 3806 Gulf of Mexico UNIT # 203
0002141060

COUNTY: ☐ MANATEE ☒ SARASOTA LOT(S) # _____ PARCEL ID #: _____

OWNER OF RECORD Shitkeyman Hmtry

BUILDING PERMIT CONTRACTOR/APPLICANT OR OWNER AS CONTRACTOR

☐ If Property Owner is applicant, please skip to Property Owner Information

LICENSES: STATE # C GC 034201

MANATEE CO: _____ SARASOTA CO: ☒

APPLICANT/QUALIFIER NAME: Hale Kulis

COMPANY NAME: Wilson Window Glass

STREET/MAILING ADDRESS: 5330 Ashton Ct.

CITY: Sarasota STATE: FL ZIP: 34233

PHONE #: 941 921 1113 CELL #: _____ FAX: # _____

EMAIL ADDRESS: Sherrey@Wilsonwindowglass.com

PROPERTY OWNER (Required)

NAME AS ON PROPERTY RECORDS: Shitkeyman Hmtry

COMPANY NAME:

Wilson Window Glass

STREET/MAILING ADDRESS:

5330 Whym Ct

CITY:

Narasota

STATE:

FL

ZIP:

34233

PHONE #:

941 921 1113

CELL #:

FAX: #

EMAIL ADDRESS:

cherry@wilsonwindowglass.com

Scope of Work (describe what you are doing):

Utilizing the categories below, please check one type of work associated with this building permit application. Building Permit Applications that include multiple categories may be best described as an "Other" under miscellaneous.

Building Project: Is this permit to repair damage due to a storm event: Yes ☐ No ☒

Carport

☐

Concrete Repair

☐

Garage

☐

Total Area of new work or affected area _____ (square feet)

Entry Doors

☐

Replacement Sliding Glass Doors

☐

Garage Door

☐

Replacement Windows

☒

Shutters

☐

Deck

☐

Demolition

☐

Lana/Screen Enclosure/Pool Cage

☐

(must provide Owner's Authorization Form)

Pre-Construction/Pre-Engineered Shed

☐

Structures Over Water:

Residential Dock

☐

Lift (including davit or hoist)

☐

Seawall (Provide EOR)

☐

Pilings

☐

Miscellaneous

Generator

☐

Gutter, Soffits, Siding and Facia

☐

Handrail

☐

Solar Energy Systems

☐

Permanent Free-Standing Sign

☐

Wall Sign

☐

Stairs

☐

Other Miscellaneous Not Listed:

Pools:

New/Replacement Pool/Spa

☐

Pool Safety Barrier

☐

Pool Repair

☐

Resurface Pool

☐

Other Trades Involved:

Electrical ☐ Mechanical ☐ Plumbing ☐ Low Voltage Wiring ☐ Fire Sprinklers ☐
Gas ☐ Alarm Wiring ☐ Other ☐ _____

DESIGN PROFESSIONAL(s)- Florida Licensed (must be completed for all associated design professionals)

Licensed Architect ☐ Licensed Engineer ☐ Licensed Interior Designer ☐

Florida License No. _____

NAME OF PROFESSIONAL _____

COMPANY NAME: _____

STREET/MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

PHONE #: _____ CELL #: _____ FAX: # _____

EMAIL ADDRESS: _____

NEW CONSTRUCTION ☐ ACCESSORY USE ☐ Addition ☐ Alteration ☐

Type of Construction: I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☐ V-B ☐

Single-Family ☐ Duplex ☐ Multifamily ☐ Number of Units: _____

Commercial ☐ Number of Units: _____ Other: _____

Total Stories from grade: _____ Fire Sprinklered: Yes ☐ No ☐

Flood Zone for Proposed Building: _____

Total Area of new work or affected area _____ (square feet)

EXISTING PRINCIPAL STRUCTURE – DESCRIPTION OF STRUCTURE (Additions or Alterations Only)

Type of Construction: I-A ☐ I-B ☐ II-A ☐ II-B ☐ III-A ☐ III-B ☐ IV ☐ V-A ☐ V-B ☐

Building is Flood Code: Conforming ☐ Non-conforming ☐ Year Built: _____

Fire Sprinklered: Yes ☐ No ☐

Flood Zone Designation for Building: _____ Total Stories from grade: _____

Building Occupancy: Single-Family ☐ Duplex ☐ Multifamily ☐ Commercial ☐

Other : _____

Note: If owner is applying for this permit as a contractor under F.S. 489.103 (and applicable Florida Building Code), said owner must personally appear at the Town Planning, Zoning and Building Department to sign this application form and submit a completed Homeowner Affidavit Form.

I hereby acknowledge that I have read and understood the above affidavit on this 9 day of

Signature [Signature]

Print Name Dale Lewis

NOTARIZATION OF SIGNATURE

State of FL

County of Sarasota

The foregoing instrument was acknowledged before me by means of physical presence ☒ or online notarization

☐ this 9 day of June 2025 By Dale Lewis

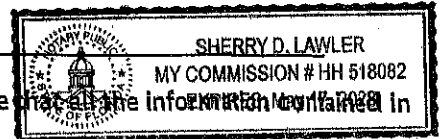
as (type of authority) Contractor for (name of party on behalf) _____

Signature of Notary Public [Signature]

Printed/Stamped Name of Notary Public Sherry D. Lawler

Personally known ☒ OR produced identification ☐ Type of ID. _____

OWNER'S SUBMISSION STATEMENT: Under penalty of perjury, I declare that all the information contained in this permit application is true and correct.



CONTRACTOR/AGENT/OWNER AFFIDAVIT:

Application is hereby made to obtain a permit to the work and installation as indicated. I certify that all the information is accurate and complete. I certify that where required, all plans have been prepared by, or under the direct supervision of, an engineer registered and licensed by the state. I certify that no work or installation has commenced prior to the issuance of a permit and that all work will be performed to meet the standards of all laws regulating construction in this jurisdiction. I further certify that I have entered into a contract with the owner/agent of the subject property to make the specified improvements to, or perform the contracting at, the real property specified in this application. I have also made the owner/agent aware of the provisions of the Homebuyers Protection Act. I certify that all the foregoing information is accurate and that the work will be done in compliance with all applicable laws regulating construction and zoning. I acknowledge and accept responsibility for compliance with the correct Florida Building Code, regulations, and ordinances, as well as the payment of all legally constituted fees regarding this development application including but not limited to ALL REVIEW FEES AND PERMIT FEES. I understand that a separate permit must be secured for applicable independent trade work associated with the building permit. **NOTICE:** In addition to the requirements for this permit, there may be additional restrictions to this property that may be found in the public records of the county or that may be required from other governmental entities such as water management district, state agencies or federal agencies.

Note: If owner is applying for this permit as a contractor under F.S. 489.103 (and applicable Florida Building Code), said owner must personally appear at the Town Planning, Zoning and Building Department to sign this application form and submit a completed Owner Affidavit Form.

OWNERS AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning. I agree to allow any authorized employee of the Town of Longboat Key to enter upon the premises associated with this project for the purpose of ascertaining compliance with the terms and conditions of the application, or permit, and/or permit stipulations.

WARNING TO OWNERS: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENT TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED

Note: If owner is applying for this permit as a contractor under F.S. 489.103 (and applicable Florida Building Code), said owner must personally appear at the Town Planning, Zoning and Building Department to sign this application form and submit a completed Owner Affidavit Form.

OWNERS AFFIDAVIT: I certify that all the foregoing information is accurate and that all work will be done in compliance with all applicable laws regulating construction and zoning. I agree to allow any authorized employee of the Town of Longboat Key to enter upon the premises associated with this project for the purpose of ascertaining compliance with the terms and conditions of the application, or permit, and/or permit stipulations.

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The applicant by signature on this application certifies that he or she will deliver this statement to the person whose property is subject to attachment in accordance with the provisions of F.S. 713. The Right, Title and Interest of the person who has contracted for the improvement may be subject to attachment under the Construction Lien Law.

Revised 01/11/2024

SEE YOUR WORLD THROUGH A WILSON WINDOW
Ashton Court • Sarasota, FL 34233 • CGC 034201

Buyer(s) Name(s)	DMITRY SHITEYMAN	Contract Date	05-27-2025
Buyer(s) Street Address ,City, State and Zip Code	3806 GULF OF MEXICO DR #C203 LONGBOAT KEY, FL, 34228		
Buyer 1 Main Phone	516-817-3650	Buyer 2 Main Phone	
Buyer 1 Email		Buyer 2 Email	

[illegible]

Date _____



APPROVED

6/25/25 9:34 AM

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

APPROVED
FIRE MARSHAL'S OFFICE

7/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin



DIRECT
Window & Door

Last Modified Date: 06/04/2025 13:21:03

PO#:

Job Name: Shteyman, Dmitry

Job Address:

Quote # 8413694

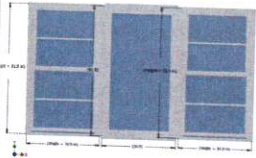
Customer Report

Sales Person: Wilson User 1 - Wilson Windows

Customer Wilson Window-2025

Account #

Phone# Fax#

Line #	Item Description	Quantity	Line Pricing	
0001 (1.00)	MULTI-PART MULTI-PART UNITS	Ordered: 1.00	Sell Price	Ext Price
 BEGIN MODEL SET 001: ::::::::::::::: Combo Config: TR - Triple Unit 1 (Bottom Left Unit): DH5560 Unit 3: DH5560 Assembly Options: MTCHCOL Send Mull(s): Y Size Selection: ACTUAL Height: 61.7500 Vertical Mull (2): 1.25X3.25X.100 Glass Color: CL - Clear		Series: 5500.0000 Factory Mull: N Unit 2: PW5540 Frame Type: .625FLANGE Width Equal or Width: EQUAL Mull Part Selection: MULL/CVR/CLPS Width: 107.2500 Vertical Mull: 1.25X3.25X.100 Frame Color: W - White Boxing Options: BS - Box Screen		
Location:		Notes:		

0001 (2.00)	DH5560 VINYL DOUBLE HUNG 5560	Ordered: 1.00	Sell Price	Ext Price
Certification Type: MIAMI Frame Type: .625FLANGE Size Selection: CUSTOM Actual Size: 34 15/16 X 61 3/4 Wood Frame Opening: 35 3/16 X 62 Frame Color: W - White Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: U.COL.BARS Summary Top: 1A2D LITES (0V1H BARS) Reinf. Upgrade: NONE - None Screen Frame Type: EXTRUDED Vent Latch: N Lock Type: SWEEP - Sweep Latch Top Sash Comfort Lift: CONTPULLRAIL Lift Rail: N Anchor Group: C.HU54.55.1 Acc Glass Breakage: N Vent Ht: 30.1094 PositiveDesignPressure: 50.0000 PANumber: FL14705 CondensationResistance: 58.0000 SolarHeatGainCoeff: 0.1800 VTCOG: 0.6200		NOA Selection: 23-0816.18 Vent Configuration: EQUAL Size Ref: ACTUAL Rough Masonry: 36 11/16 X 62 3/4 Egress Opening: 30 X 25 15/16 SQFT (5.3931 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN Grid Location: UNIT Summary Bottom: 1A2D LITES (0V1H BARS) Screen Type: 1816K - 1816 Charcoal Screen Configuration: FULL WOOD: Y Upgrade Hardware Finish: N Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen Decralite: N CAR#: 23-0816.18 NegativeDesignPressure: 50.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.3900 CPD: PGT-K-204-03844-00002		



APPROVED

7/25/2025 9:34 AM

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7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella



7/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

Location:		Notes:					
0001 (3.00)	PW5540 PW5540 VINYL PICTURE WINDOW	Ordered: 1.00	<table border="1"><tr><th>Sell Price</th><th>Ext Price</th></tr><tr><td></td><td></td></tr></table>	Sell Price	Ext Price		
Sell Price	Ext Price						
Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Rough Masonry Opening: 36 11/16 X 62 3/4 Frame Color: W - White Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Acc Glass Breakage: N PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 62.0000 SolarHeatGainCoeff: 0.2000 VTCOG: 0.6200		NOA Selection: 23-0816.04 Size Selection: CUSTOM Actual Size: 34 15/16 X 61 3/4 Wood Frame Opening: 35 3/16 X 62 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Boxing Options: BS - CAR#: 23-0816.04 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2500 VT: 0.4700 CPD: PGT-K-207-04394-00004					
Location:		Notes:					

0001 (4.00)	DH5560 VINYL DOUBLE HUNG 5560	Ordered: 1.00	<table border="1"><tr><th>Sell Price</th><th>Ext Price</th></tr><tr><td></td><td></td></tr></table>	Sell Price	Ext Price		
Sell Price	Ext Price						
Certification Type: MIAMI Frame Type: .625FLANGE Size Selection: CUSTOM Actual Size: 34 15/16 X 61 3/4 Wood Frame Opening: 35 3/16 X 62 Frame Color: W - White Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: U.COL.BARS Summary Top: 1A2D LITES (0V1H BARS) Reinf. Upgrade: NONE - None Screen Frame Type: EXTRUDED Vent Latch: N Lock Type: SWEEP - Sweep Latch Top Sash Comfort Lift: CONTPULLRAIL Lift Rail: N Anchor Group: C.HU54.55.1 Acc Glass Breakage: N Vent Ht: 30.1094 PositiveDesignPressure: 50.0000 PANumber: FL14705 CondensationResistance: 58.0000 SolarHeatGainCoeff: 0.1800 VTCOG: 0.6200		NOA Selection: 23-0816.18 Vent Configuration: EQUAL Size Ref: ACTUAL Rough Masonry: 36 11/16 X 62 3/4 Egress Opening: 30 X 25 15/16 SQFT (5.3931 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN Grid Location: UNIT Summary Bottom: 1A2D LITES (0V1H BARS) Screen Type: 1816K - 1816 Charcoal Screen Configuration: FULL WOCD: Y Upgrade Hardware Finish: N Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen Decralite: N CAR#: 23-0816.18 NegativeDesignPressure: 50.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.3900 CPD: PGT-K-204-03844-00002					
Location:		Notes:					

0001 (5.00)	MULL MULL BARS	Ordered: 1.00	<table border="1"><tr><th>Sell Price</th><th>Ext Price</th></tr><tr><td></td><td></td></tr></table>	Sell Price	Ext Price		
Sell Price	Ext Price						
Product Family Series: 5500.0000 NOA Selection: 23-0913.05 Frame Type: .625FLANGE Mull Clip Type: STDCLP/STDCLP Frame Color: W - White Boxing Options: BS - Box Screen		Certification Type: MIAMI Part Selection: MULL/CVR/CLPS - Mull, Ext/Int Mull Bar Type: 1.25X3.25X.100 Size Selection: CUSTOM Assembly Options: MTCHCOL					
Location:		Notes:					

0001 (6.00)	MULL MULL BARS	Ordered: 1.00	<table border="1"><tr><th>Sell Price</th><th>Ext Price</th></tr><tr><td></td><td></td></tr></table>	Sell Price	Ext Price		
Sell Price	Ext Price						
Product Family Series: 5500.0000 NOA Selection: 23-0913.05 Frame Type: .625FLANGE Mull Clip Type: STDCLP/STDCLP		Certification Type: MIAMI Part Selection: MULL/CVR/CLPS - Mull, Ext/Int Mull Bar Type: 1.25X3.25X.100 Size Selection: CUSTOM					

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Frame Color: W - White
Boxing Options: BS - Box Screen

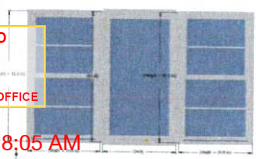
Assembly Options: MTCHCOL
END MODEL SET 001:

Location:

Notes:

C-WNDR-25-0123
Dylan Calella

7/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

0002 (7.00)	MULTI-PART MULTI-PART UNITS	Ordered: 1.00	Sell Price	Ext Price
		BEGIN MODEL SET 007: Combo Config: TR - Triple Unit 1 (Bottom Left Unit): DH5560 Unit 3: DH5560 Frame Type: .625FLANGE Width Equal or Width: EQUAL Mull Part Selection: MULL/CVR/CLPS Width: 107.2500 Vertical Mull: 1.25X3.25X.100 Frame Color: W - White Boxing Options: BS - Box Screen		
		Series: 5500.0000 Factory Mull: N Unit 2: PW5540 Continuous Shape Multi-Part: N Assembly Options: MTCHCOL Send Mull(s): Y Size Selection: ACTUAL Height: 61.7500 Vertical Mull (2): 1.25X3.25X.100 Glass Color: CL - Clear		
Location:		Notes:		

0002 (8.00)	DH5560 VINYL DOUBLE HUNG 5560	Ordered: 1.00	Sell Price	Ext Price
		Certification Type: MIAMI Frame Type: .625FLANGE Size Selection: CUSTOM Actual Size: 34 15/16 X 61 3/4 Wood Frame Opening: 35 3/16 X 62 Frame Color: W - White Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: U.COL.BARS Summary Top: 1A2D LITES (0V1H BARS) Reinf. Upgrade: NONE - None Screen Frame Type: EXTRUDED Vent Latch: N Lock Type: SWEEP - Sweep Latch Top Sash Comfort Lift: CONTPULLRAIL Lift Rail: N Anchor Group: C.HU54.55.1 Acc Glass Breakage: N Vent Ht: 30.1094 PositiveDesignPressure: 50.0000 PANumber: FL14705 CondensationResistance: 58.0000 SolarHeatGainCoeff: 0.1800 VTCOG: 0.6200		
		NOA Selection: 23-0816.18 Vent Configuration: EQUAL Size Ref: ACTUAL Rough Masonry: 36 11/16 X 62 3/4 Egress Opening: 30 X 25 15/16 SQFT (5.3931 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN Grid Location: UNIT Summary Bottom: 1A2D LITES (0V1H BARS) Screen Type: 1816K - 1816 Charcoal Screen Configuration: FULL WOCD: Y Upgrade Hardware Finish: N Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen Decralite: N CAR#: 23-0816.18 NegativeDesignPressure: 50.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.3900 CPD: PGT-K-204-03844-00002		
Location:		Notes:		

0002 (9.00)	PW5540 PW5540 VINYL PICTURE WINDOW	Ordered: 1.00	Sell Price	Ext Price
		Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Rough Masonry Opening: 36 11/16 X 62 3/4 Frame Color: W - White Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Acc Glass Breakage: N PositiveDesignPressure: 50.0000 PANumber: FL243 CondensationResistance: 62.0000 SolarHeatGainCoeff: 0.2000 VTCOG: 0.6200		
		NOA Selection: 23-0816.04 Size Selection: CUSTOM Actual Size: 34 15/16 X 61 3/4 Wood Frame Opening: 35 3/16 X 62 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Boxing Options: BS - CAR#: 23-0816.04 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000 UF: 0.2500 VT: 0.4700 CPD: PGT-K-207-04394-00004		
Location:		Notes:		



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Dylan Calella

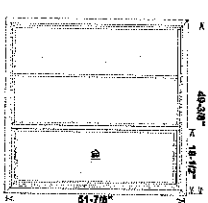


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BC-WNDR-25-0123
Jane Herrin

0002 (16.00)	DH5560 VINYL DOUBLE HUNG 5560	Ordered: 1.00	Sell Price	Ext Price
Certification Type: MIAMI Frame Type: .625FLANGE Size Selection: CUSTOM Actual Size: 34 15/16 X 61 3/4 Wood Frame Opening: 35 3/16 X 62 Frame Color: W - White Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: U.COL.BARS Summary Top: 1A2D LITES (0V1H BARS) Reinf. Upgrade: NONE - None Screen Frame Type: EXTRUDED Vent Latch: N Lock Type: SWEEP - Sweep Latch Top Sash Comfort Lift: CONTPULLRAIL Lift Rail: N Anchor Group: C.HU54.55.1 Acc Glass Breakage: N Vent Ht: 30.1094 PositiveDesignPressure: 50.0000 PANumber: FL14705 CondensationResistance: 58.0000 SolarHeatGainCoeff: 0.1800 VTCOG: 0.6200		NOA Selection: 23-0816.18 Vent Configuration: EQUAL Size Ref: ACTUAL Rough Masonry: 36 11/16 X 62 3/4 Egress Opening: 30 X 25 15/16 SQFT (5.3931 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN) Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN Grid Location: UNIT Summary Bottom: 1A2D LITES (0V1H BARS) Screen Type: 1816K - 1816 Charcoal Screen Configuration: FULL WOCD: Y Upgrade Hardware Finish: N Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen Decralite: N CAR#: 23-0816.18 NegativeDesignPressure: 50.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.3900 CPD: PGT-K-204-03844-00002		
Location:		Notes:		

0002 (11.00)	MULL MULL BARS	Ordered: 1.00	Sell Price	Ext Price
Product Family Series: 5500.0000 NOA Selection: 23-0913.05 Frame Type: .625FLANGE Mull Clip Qty: 2.0000 Size Selection: CUSTOM Assembly Options: MTCHCOL		Certification Type: MIAMI Part Selection: MULL/CVR/CLPS - Mull, Ext/Int Mull Bar Type: 1.25X3.25X.100 Mull Clip Type: STDCLP/STDCLP Frame Color: W - White Boxing Options: BS - Box Screen		
Location:		Notes:		

0002 (12.00)	MULL MULL BARS	Ordered: 1.00	Sell Price	Ext Price
Product Family Series: 5500.0000 NOA Selection: 23-0913.05 Frame Type: .625FLANGE Mull Clip Qty: 2.0000 Size Selection: CUSTOM Assembly Options: MTCHCOL END MODEL SET 007:		Certification Type: MIAMI Part Selection: MULL/CVR/CLPS - Mull, Ext/Int Mull Bar Type: 1.25X3.25X.100 Mull Clip Type: STDCLP/STDCLP Frame Color: W - White Boxing Options: BS - Box Screen		
Location:		Notes:		

0003 (13.00)	SH5500 VINYL SINGLE HUNG 5500	Ordered: 1.00	Sell Price	Ext Price
 Certification Type: MIAMI Frame Type: .625FLANGE Window Style: STD Size Ref: ACTUAL Height: 49 3/8 Rough Masonry: 53 5/8 X 50 3/8 Egress Opening: 47 5/8 X 13 1/2 (4.4506 SQFT) Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN) Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN Grid Location: UNIT Summary Bottom: 1A1D LITES (0V0H BARS) Screen Type: 1816K - 1816 Charcoal Vent Latch: N Lock Type: SWEEP - Sweep Latch		NOA Selection: 23-0707.12 Vent Configuration: CSTM.MRL.BTM 18 7/16 Size Selection: CUSTOM Width: 51 7/8 Actual Size: 51 7/8 X 49 3/8 Wood Frame Opening: 52 1/8 X 49 5/8 Frame Color: W - White Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: U.COL.BARS Summary Top: 1A2D LITES (0V1H BARS) Reinf. Upgrade: MIAMIMAXIMP1 - Reinforcement Screen Frame Type: ROLLFORM WOCD: Y Upgrade Hardware Finish: N		
Location:		Notes:		



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Dylan Calella

Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
Decralite: N
CAR#: 23-0707.12
NegativeDesignPressure: 70.0000
EnergyStar: 1.0000
UF: 0.2900
VT: 0.4200
CPD: PGT-K-208-03848-00002

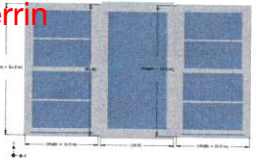
Lift Rail: Y
Anchor Group: C.HU54.55.1
Acc Glass Breakage: N
Vent Ht: 17.5000
PositiveDesignPressure: 65.0000
PANumber: FL239
CondensationResistance: 59.0000
SolarHeatGainCoeff: 0.1900
VTCOG: 0.6200



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BC-WNDR-25-0123

Jane Herrin

0004 (14.00)	MULTI-PART MULTI-PART UNITS	Ordered: 1.00	<u>Sell Price</u>	<u>Ext Price</u>
		BEGIN MODEL SET 014: Combo Config: TR - Triple Unit 1 (Bottom Left Unit): DH5560 Unit 3: DH5560 Frame Type: .625FLANGE Width Equal or Width: EQUAL Mull Part Selection: MULL/CVR/CLPS Width: 107.1250 Vertical Mull: 1.25X3.25X.100 Frame Color: W - White Boxing Options: BS - Box Screen		
Location:		Notes:		
Series: 5500.0000 Factory Mull: N Unit 2: PW5540 Continuous Shape Multi-Part: N Assembly Options: MTCHCOL Send Mull(s): Y Size Selection: ACTUAL Height: 61.7500 Vertical Mull (2): 1.25X3.25X.100 Glass Color: CL - Clear				

0004 (15.00)	DH5560 VINYL DOUBLE HUNG 5560	Ordered: 1.00	<u>Sell Price</u>	<u>Ext Price</u>
Certification Type: MIAMI Frame Type: .625FLANGE Size Selection: CUSTOM Actual Size: 34 7/8 X 61 3/4 Wood Frame Opening: 35 1/8 X 62 Frame Color: W - White Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Grid Style: U.COL.BARS Summary Top: 1A2D LITES (0V1H BARS) Reinf. Upgrade: NONE - None Screen Frame Type: EXTRUDED Vent Latch: N Lock Type: SWEEP - Sweep Latch Top Sash Comfort Lift: CONTPULLRAIL Lift Rail: N Anchor Group: C.HU54.55.1 Acc Glass Breakage: N Vent Ht: 30.1094 PositiveDesignPressure: 50.0000 PANumber: FL14705 CondensationResistance: 58.0000 SolarHeatGainCoeff: 0.1800 VTCOG: 0.6200		NOA Selection: 23-0816.18 Vent Configuration: EQUAL Size Ref: ACTUAL Rough Masonry: 36 5/8 X 62 3/4 Egress Opening: 29 15/16 X 25 15/16 SQFT (5.3856 Balance Type: CONSTANT Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN Grid Location: UNIT Summary Bottom: 1A2D LITES (0V1H BARS) Screen Type: 1816K - 1816 Charcoal Screen Configuration: FULL WOCD: Y Upgrade Hardware Finish: N Comfort Lift: Y Lock Quantity: 2.0000 Boxing Options: BS - Box Screen Decralite: N CAR#: 23-0816.18 NegativeDesignPressure: 50.0000 EnergyStar: 1.0000 UF: 0.3100 VT: 0.3900 CPD: PGT-K-204-03844-00002		
Location:		Notes:		

0004 (16.00)	PW5540 PW5540 VINYL PICTURE WINDOW	Ordered: 1.00	<u>Sell Price</u>	<u>Ext Price</u>
Certification Type: MIAMI Frame Type: .625FLANGE Size Ref: ACTUAL Rough Masonry Opening: 36 5/8 X 62 3/4 Frame Color: W - White Interlayer Type: PVB090 Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN Glass Color: CL - CLEAR Argon Gas: ARGON Grid Type: NONE - NO Grid Acc Glass Breakage: N PositiveDesignPressure: 50.0000 PANumber: FL243		NOA Selection: 23-0816.04 Size Selection: CUSTOM Actual Size: 34 7/8 X 61 3/4 Wood Frame Opening: 35 1/8 X 62 Glass Family: LI - Laminated Insulating Glass Makeup: LIA207AA5 Does unit need to meet Turtle Code: NO Low E: ENERGY SHIELD MAX Privacy Glass: NONE - NONE Boxing Options: BS - BS CAR#: 23-0816.04 NegativeDesignPressure: 50.0000 EnergyStar: 123.0000		



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Dylan Calella

CondensationResistance: 62.0000
SolarHeatGainCoeff: 0.2000
VTCOG: 0.6200

UF: 0.2500
VT: 0.4700
CPD: PGT-K-207-04394-00004

Location:

Notes:

0004 (17.00)	DH5560 VINYL DOUBLE HUNG 5560	Ordered: 1.00	Sell Price	Ext Price
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BC-WNDR-25-0123

Jane Herrin

Certification Type: MIAMI
Frame Type: .625FLANGE
Size Selection: CUSTOM
Actual Size: 34 7/8 X 61 3/4
Wood Frame Opening: 35 1/8 X 62
Frame Color: W - White
Glass Family: LI - Laminated Insulating
Glass Makeup: LIA207AA5
Does unit need to meet Turtle Code: NO
Low E: ENERGY SHIELD MAX
Privacy Glass: NONE - NONE
Grid Style: U.COL.BARS
Summary Top: 1A2D LITES (0V1H BARS)
Reinf. Upgrade: NONE - None
Screen Frame Type: EXTRUDED
Vent Latch: N
Lock Type: SWEEP - Sweep Latch
Top Sash Comfort Lift: CONTPULLRAIL
Lift Rail: N
Anchor Group: C.HU54.55.1
Acc Glass Breakage: N
Vent Ht: 30.1094
PositiveDesignPressure: 50.0000
PANumber: FL14705
CondensationResistance: 58.0000
SolarHeatGainCoeff: 0.1800
VTCOG: 0.6200

NOA Selection: 23-0816.18
Vent Configuration: EQUAL
Size Ref: ACTUAL
Rough Masonry: 36 5/8 X 62 3/4
Egress Opening: 29 15/16 X 25 15/16 SQFT (5.3856
Balance Type: CONSTANT
Interlayer Type: PVB090
Glass: 7/8" LIG (1/8 AN - 7/16 ARG -5/16 AN/AN
Glass Color: CL - CLEAR
Argon Gas: ARGON
Grid Type: GBGF0563 - 9/16" Flat GridBETWEEN
Grid Location: UNIT
Summary Bottom: 1A2D LITES (0V1H BARS)
Screen Type: 1816K - 1816 Charcoal
Screen Configuration: FULL
WOCD: Y
Upgrade Hardware Finish: N
Comfort Lift: Y
Lock Quantity: 2.0000
Boxing Options: BS - Box Screen
Decralite: N
CAR#: 23-0816.18
NegativeDesignPressure: 50.0000
EnergyStar: 1.0000
UF: 0.3100
VT: 0.3900
CPD: PGT-K-204-03844-00002

Location:

Notes:

0004 (18.00)	MULL MULL BARS	Ordered: 1.00	Sell Price	Ext Price
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Product Family Series: 5500.0000
NOA Selection: 23-0913.05
Frame Type: .625FLANGE
Mull Clip Type: STDCLP/STDCLP
Frame Color: W - White
Boxing Options: BS - BS

Certification Type: MIAMI
Part Selection: MULL/CVR/CLPS - Mull, Ext/Int
Mull Bar Type: 1.25X3.25X.100
Size Selection: CUSTOM
Assembly Options: MTCHCOL

Location:

Notes:

0004 (19.00)	MULL MULL BARS	Ordered: 1.00	Sell Price	Ext Price
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Product Family Series: 5500.0000
NOA Selection: 23-0913.05
Frame Type: .625FLANGE
Mull Clip Type: STDCLP/STDCLP
Frame Color: W - White
Boxing Options: BS - BS

Certification Type: MIAMI
Part Selection: MULL/CVR/CLPS - Mull, Ext/Int
Mull Bar Type: 1.25X3.25X.100
Size Selection: CUSTOM
Assembly Options: MTCHCOL
END MODEL SET 014:

Location:

Notes:

Products Ordered	Total Quantity
MULTI-PART	3
DH5560	6
PW5540	3
MULL	6
SH5500	1



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Dylan Calella

UPON FINAL APPROVAL CUSTOMER WILL BE RESPONSIBLE FOR ANY ERRORS. NO MATERIALS SHALL BE ORDERED WITH VERBAL APPROVAL. MATERIALS NOT DELIVERED WITHIN 2 WEEKS OF ORIGINAL SCHEDULED DATE WILL BE INVOICED.
*****ALL QUOTES ARE VALID FOR 14 DAYS AFTER CREATION/REVISION DATE. ALL ORDERS ARE SUBJECT TO SURCHARGE AT TIME OF INVOICING.



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BC-WNDR-25-0123

Jane Herrin

APPROVED BY: _____ DATE: _____
DELIVERY ADDRESS: _____
REQUESTED DELIVERY DATE: _____



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C-WNDR-25-0123

Dylan Calella



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.

1070 Technology Drive

North Venice, FL 34275

SCOPE:

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

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

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

DESCRIPTION: Series "DH-5560" PVC Double Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. MD-DH5560-01 titled "Double Hung Install (LM)", sheets 1 through 14 of 14, dated 05/15/15, with revision D on 08/10/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

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

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

This NOA revises NOA No. 20-0401.06 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
9/5/23

NOA No. 23-0816.18
Expiration Date: September 17, 2025
Approval Date: September 14, 2023
Page 1

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FIRE MARSHAL'S OFFICE

7/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin



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C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

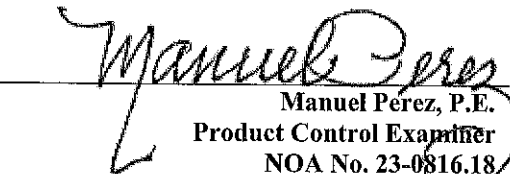
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's
A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 15-0812.04)
2. Drawing No. **MD-DH5560-01** titled "Double Hung Window Installation - LM", sheets 1 through 14 of 14, dated 05/15/15, with revision **C** dated 03/11/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.06)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per ASTM F588 and TAS 202-94
along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal) dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0401.06)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 16-0714.09)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.18
Expiration Date: September 17, 2025
Approval Date: September 14, 2023



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C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



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BC-WNDR-25-0123

Jane Herrin

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of series 5460 and series 5560 PVC double hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8006**, dated 04/27/15, signed and sealed by Idalmis Ortega, P.E. *(Submitted under NOA No. 15-0812.04)*
4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5560 PVC double hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8007**, dated 04/28/15, signed and sealed by Idalmis Ortega, P.E. *(Submitted under NOA No. 15-0812.04)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)** and **FBC 7th Edition (2020)**, dated 03/13/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. *(Submitted under NOA No. 20-0401.06)*
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.18
Expiration Date: September 17, 2025
Approval Date: September 14, 2023



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C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



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Jane Herrin

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

E. MATERIAL CERTIFICATIONS

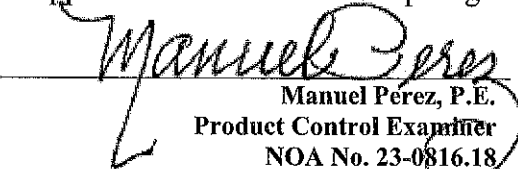
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.
3. Notice of Acceptance No. **18-0122.02**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/08/18, expiring on 02/28/23.
4. Notice of Acceptance No. **20-0203.03** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.
5. Notice of Acceptance No. **20-0203.04** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and **FBC 7th Edition (2020)**, dated March 11, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.06)
2. Statement letter of no financial interest, dated March 11, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.06)
3. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 20-0401.06)
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 16-0714.09)
5. Proposal issued by Product Control, dated 6/26/14 and revised on 8/19/14, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.
(Submitted under NOA No. 15-0812.04)

G. OTHERS

1. Notice of Acceptance No. **17-0630.10**, issued to **PGT Industries, Inc.** for their Series "**DH-5560**" PVC Double Hung Window - L.M.I. approved on 11/02/17 and expiring on 09/17/20.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.18
Expiration Date: September 17, 2025
Approval Date: September 14, 2023



7/2025, 12:14:49 PM

C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-DH5560-01** titled "Double Hung Install (LM)", sheets 1 through 14 of 14, dated 05/15/15, with revision **D** dated 08/10/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

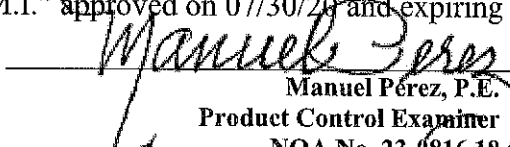
1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/15/22, expiring on 07/04/28.
3. Notice of Acceptance No. **21-1109.04**, issued to **Vision Extrusions Group Limited**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/31/22, expiring on 09/30/24.
4. Notice of Acceptance No. **22-0104.04**, issued to **Vision Extrusions Group Limited**, for their **Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 04/14/22, expiring on 12/29/26.
5. Notice of Acceptance No. **22-0621.01**, issued to **Vision Extrusions Group Limited**, for their **Black and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 07/28/22, expiring on 07/28/27.

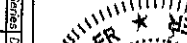
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated August 11, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated August 11, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0401.06**, issued to PGT Industries, Inc. for their Series "**DH-5560**" PVC Double Hung Window – L.M.I." approved on 07/30/20 and expiring on 09/17/25.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0816.18
Expiration Date: September 17, 2025
Approval Date: September 14, 2023

PRODUCT REVISED As complying with the Florida Building Code NOA-No. 23-0816.18 Expiration Date: 09/17/2025 By: <i>Mamuk Jaba</i> Miami-Dade Product Control		D) UPDATED TO FBC 2023.			
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		CUSTOM WINDOWS AND DOORS 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		DOUBLE HUNG INSTALL (LM) Date: 05/15/15 Drawn by: A. MORLESIN Sheet No. 1 OF 14 DWG No. MD-DH5560-01 Revision: D	



APPROVED

7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

1/25/2025, 11:28:05 AM

BC-WNDR-25-0123

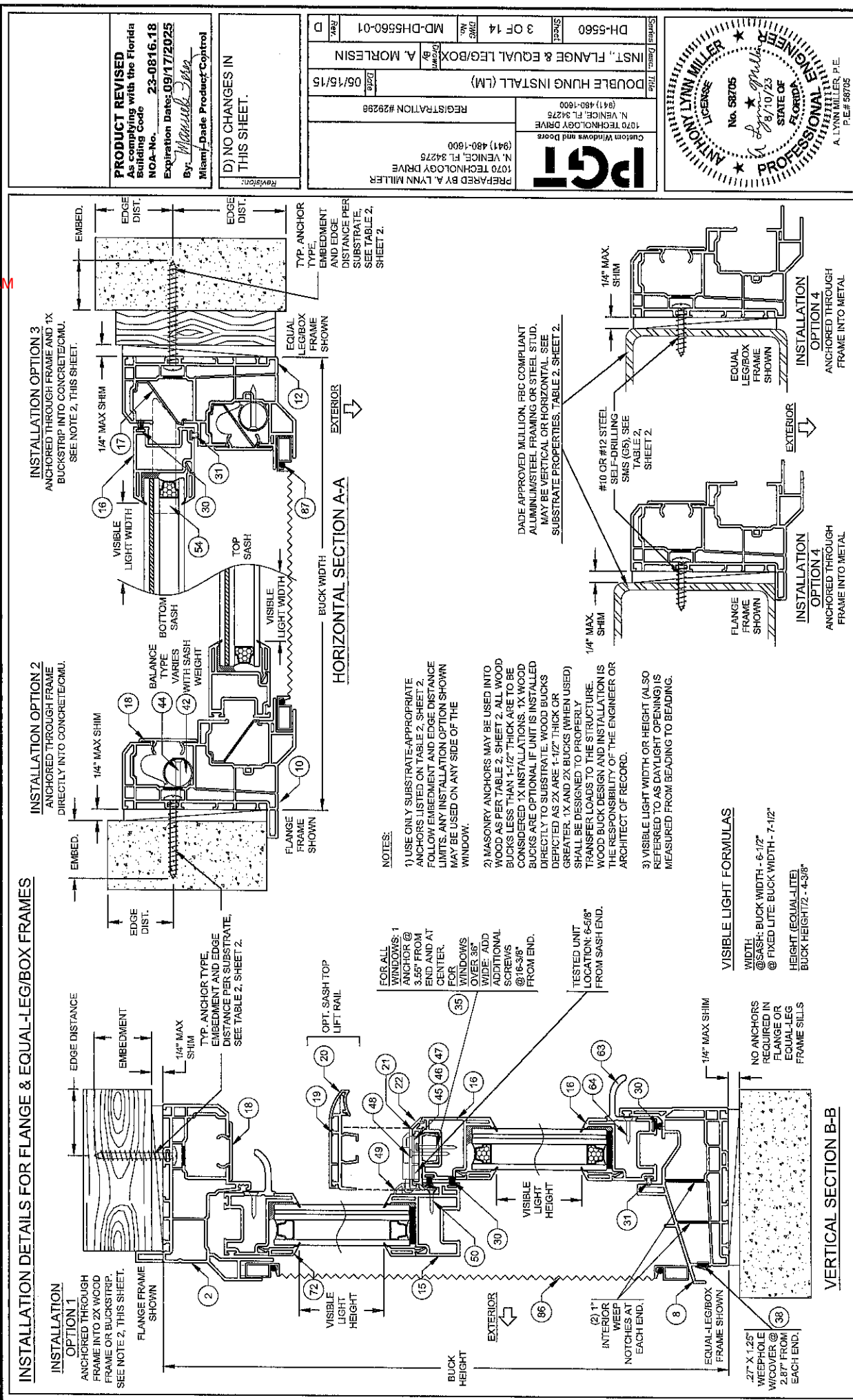
Jane Herrin

[illegible]

ANCHOR NOTES:
1) * MIN OF 3 THREADS BEYOND THE METAL SUBSTRATE FOR STEEL STUDS. MIN $F_{UT} = 45$ KSI & $E = 33$ KSI

- 1) - MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE, FOR STEEL STUDS, MIN.
- 2) "UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.

3) ALL ANCHOR HEAD TYPES ACCEPTABLE.





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7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

APPROVED

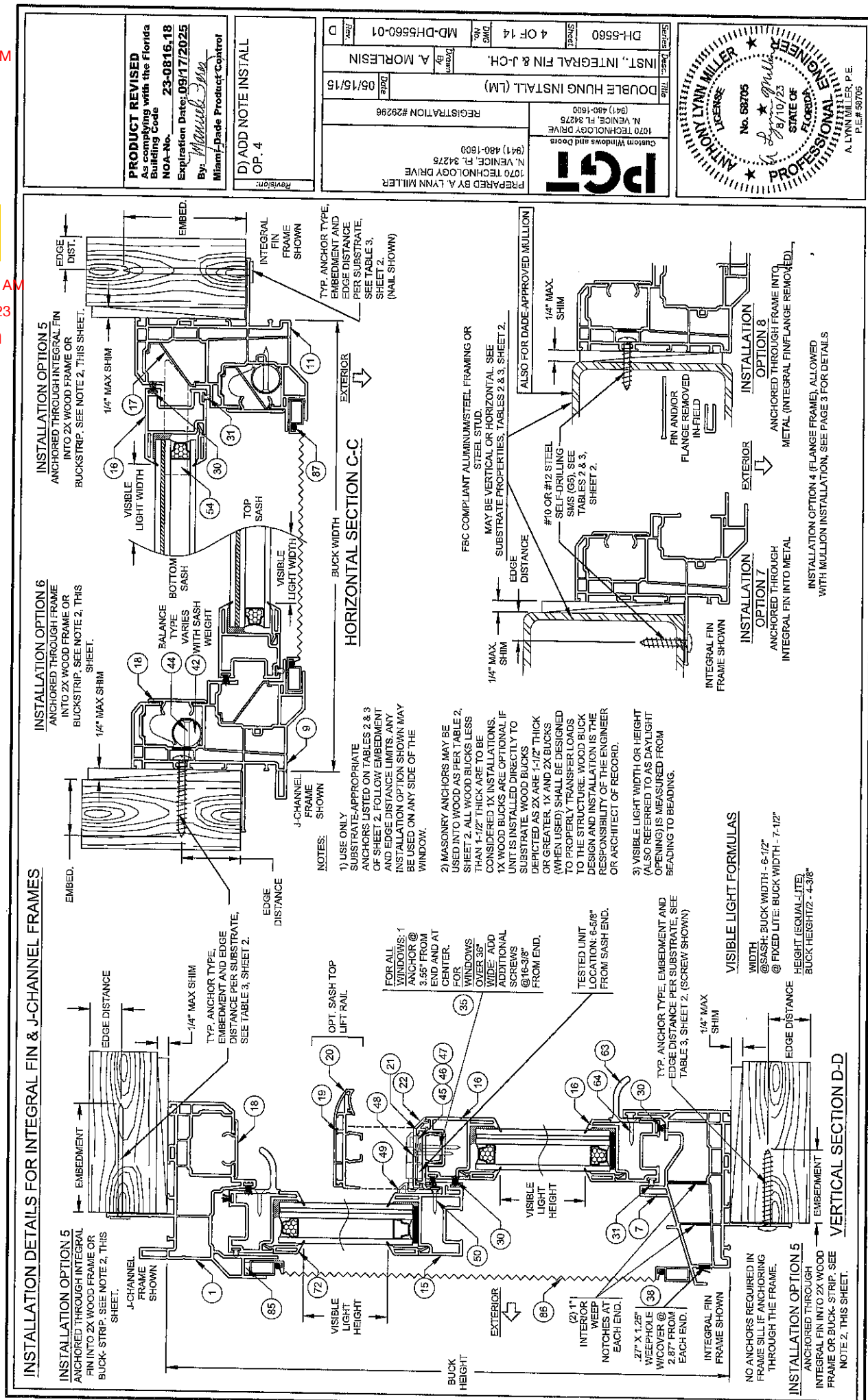


FIRE MARSHAL'S OFFICE

1/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin





7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

2/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.18
Expiration Date: 09/17/2025
By: *Manuel J. Perez*
Miami-Dade Product Control

D) NO CHANGES IN THIS SHEET.

REGISTRATION #29296

DATE: 05/15/15

GLAZING DETAILS

DOUBLE HUNG INSTALL (LM)

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

Client: Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

Sheet: 5 OF 14

MD-DH5560-01

ANTHONY LYNN MILLER
No. 58705
8/8/10/23
PROFESSIONAL ENGINEER
STATE OF FLORIDA
A. LYNN MILLER, P.E.
P.E.# 58705

GLASS TYPE 5

GLASS TYPE 6

GLASS TYPE 7

GLASS TYPE 8

GLASS TYPE 9

GLASS TYPE 10

GLASS TYPE 11

GLASS TYPE 12

GLASS TYPE 13

GLASS TYPE 14

GLASS TYPE 15

GLASS TYPE 16

TYP. GLAZING DETAIL

GLAZING NOTES:
 "A" = ANNEALED
 "H" = HEAT STRENGTHENED
 "I" = TEMPERED
 "PVB" = 50" TROSIFOL® PVB BY KURARAY AMERICA, INC.
 "SG" = .060" SENTRYGLASS® INTERLAYER BY KURARAY AMERICA, INC.
 FOR LAMINATED GLAZING COMPONENTS, SEE TABLE 1, SHEET 2.

GLASS TYPES 9 THROUGH 16 MAY NOT BE USED WITH JOHNNEL OR INTEGRAL FIN FRAMES

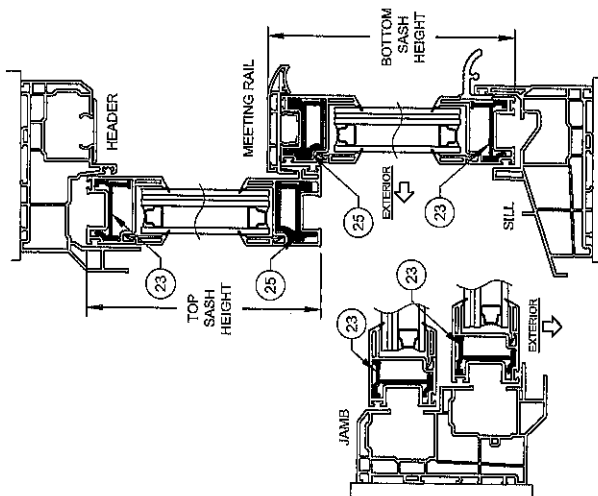
GLASS TYPES 5, 7, 9, 11, 13 & 15 MAY NOT BE USED IN THE HVHZ ABOVE 30°.



Reinforcement Level: R2	Glass Types: 5, 6, 7 & 8	Design Pressure, lbs/sq ft
	+65.0 / -70.0	

For all window & sash sizes per Table 9

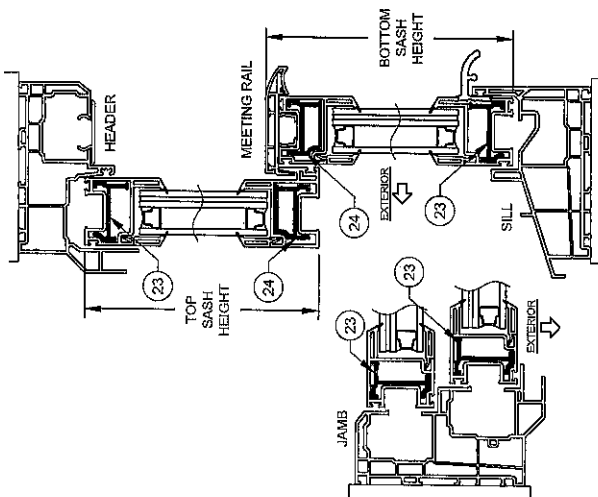
SEE TABLE 9, SHEET 9 FOR ANCHOR GROUP AND QUANTITY.



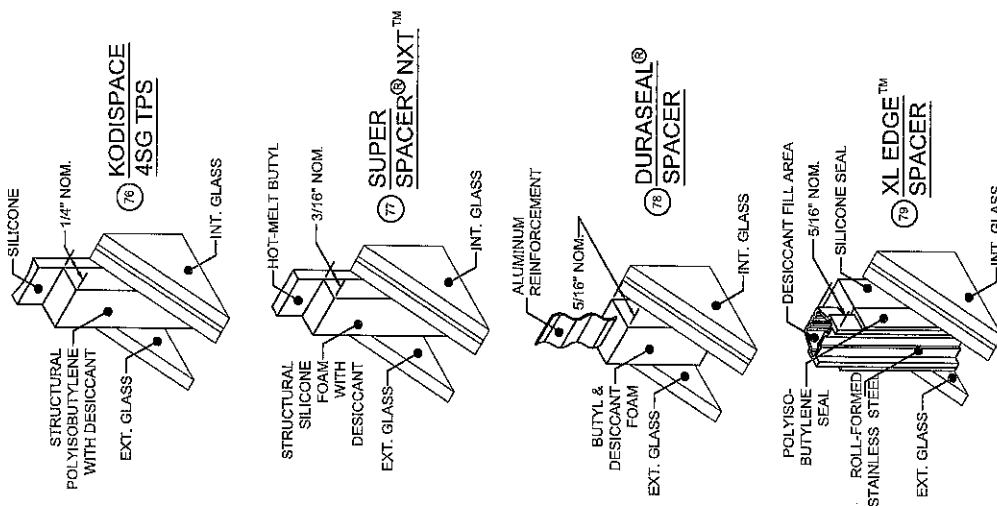
**SECTION DETAIL FOR WINDOWS WITH
LEVEL R2 REINFORCEMENT & GLASS TYPES 5-8**
(REINFORCEMENTS SHOWN IN FIGURES
ABOVE APPLY TO ALL FRAME TYPES &
CONFIGURATIONS)

TABLE 4:	Glass Types: 5, 6, 7 & 8	Design Pressure, lbs/ft ²
	Reinforcement Level: R1	+50.0 / -50.0
For all window & sash sizes per Table 8		

SEE TABLE 8, SHEET 8 FOR ANCHOR GROUP AND QUANTITY.



**SECTION DETAIL FOR WINDOWS WITH
LEVEL R1 REINFORCEMENT & GLASS TYPES 5-8**
(REINFORCEMENTS SHOWN IN FIGURES
ABOVE APPLY TO ALL FRAME TYPES &
CONFIGURATIONS)



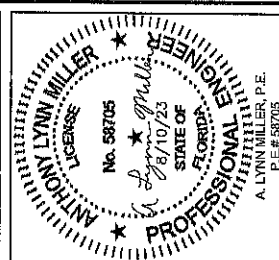
Part #	Description	Material
76	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
77	Quanex Super Spacer iXT with Hot Melt Butyl	
78	Quanex Duraseal Spacer	
79	Cardinal XL Edoine Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

NOTES:

- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
- 2) FRAME DIMENSIONS ARE BUCK SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

DATE	TIME	OFFICE	SPACERS & DP TABLES	Drawn By	MD-DH5560-01	Rev.	D
DOUBLE HUNG INSTALL (LM)		05/15/15					
CUSTOMER INFORMATION		REGISTRATION #292256					
 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1800		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1800					



PRODUCT REVISED

As complying with the Florida Building Code

NOA-No. 23-0816.18

Expiration Date: 09/17/2025

Wentworth, 3.060

By: James J. [Signature]

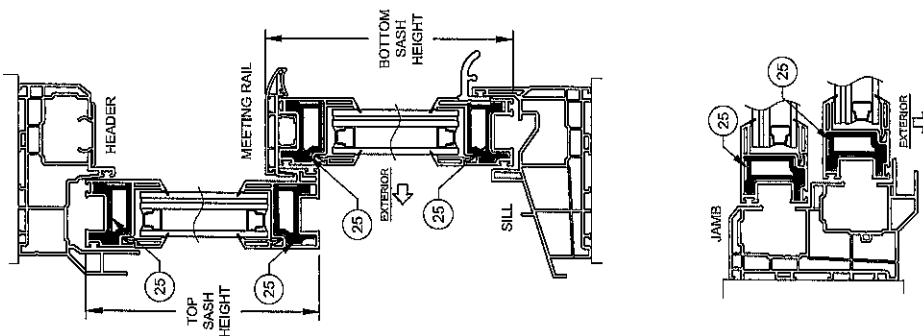
D) NO CHANGES IN THIS SHEET.

212



PRODUCT REVISED As complying with the Florida Building Code NOA No. 23-0816-18 Expiration Date: 09/17/2025 By: <i>Myra Webb</i> Miami-Dade Product Control	D) NO CHANGES IN THIS SHEET.	Revision:	DOUBLE HUNG INSTALL (LM) 05/15/15 Drawn By A. MORLESIN DWG. No. MD-DHS560-01 Rev. D		Series: DH-5560 Sheet: 7 OF 14 Description: ANCHOR QUANTITY TABLE	Title:
		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600 REGISTRATION #29296 Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600				

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



SECTION DETAIL FOR
WINDOWS WITH
LEVEL R3 REINFORCEMENT
& GLASS TYPES 9-16
(REINFORCEMENTS SHOWN IN
FIGURES ABOVE APPLY TO
FLANGE & BOX/EQUAL-LEG
FRAME TYPES ONLY. ALL
CONFIGURATIONS APPLICABLE.)

GLASS TYPES 9 THROUGH
16 MAY NOT BE USED
WITH J-CHANNEL OR
INTEGRAL FIN FRAMES

[illegible]

SEE TABLE 11, SHEET 11 FOR ANCHOR GROUP AND QUANTITY.
MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT - 50.484
APPLIES TO ANY HEIGHT 84" OR LESS).

SEE TABLE 10, SHEET 10 FOR ANCHOR GROUP AND QUANTITY
MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT - 50.484
(APPLIES TO ANY HEIGHT 84" OR LESS).

NOTES:

- 1) USE THESE TABLES FOR WINDOWS INSTALLED THROUGH THE FRAME.
- 2) FRAME DIMENSIONS ARE BUCK, SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

TABLE 8: Anchor Quantities Required for "Through-Frame" Installation									
Group	Anchor Type	Bottom Sash Description for Given Height	Bottom Sash Height (in)	Top Sash Height (in)	18" Wide	24" Wide	32" Wide	40" Wide	48" Wide
24	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
28	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
32	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
36	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
40	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1

TABLE 9: ANCHOR GROUP D, TABLE 9 MAY BE USED.									
Anchor Group D									
Group	Anchor Type	Bottom Sash Description for Given Height	Bottom Sash Height (in)	Top Sash Height (in)	18" Wide	24" Wide	32" Wide	40" Wide	48" Wide
24	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
28	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
32	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
36	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1
	Standard	Standard	31.605	31.605	1	1	1	1	1
40	Standard	Standard	11.256	11.256	1	1	1	1	1
	Standard	Standard	13.517	13.517	1	1	1	1	1
	Standard	Standard	15.778	15.778	1	1	1	1	1
	Standard	Standard	18.039	18.039	1	1	1	1	1
	Standard	Standard	20.300	20.300	1	1	1	1	1
	Standard	Standard	22.561	22.561	1	1	1	1	1
	Standard	Standard	24.822	24.822	1	1	1	1	1
	Standard	Standard	27.083	27.083	1	1	1	1	1
	Standard	Standard	29.344	29.344	1	1	1	1	1

ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
(841) 480-1600

Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(841) 480-1600

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(841) 480-1600

ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
(841) 480-1600

Custom Windows and Doors
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ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
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ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
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ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
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ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
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Custom Windows and Doors
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ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
(841) 480-1600

Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(841) 480-1600

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(841) 480-1600

ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

REGISTRATION #29298

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34275
(841) 480-1600

Custom Windows and Doors
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ANCHOR QUANTITIES TABLE

DOUBLE HUNG INSTALL (LM)

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. 23-0816.18
Expiration Dates 09/17/2025
By: *Michael J. Jara*
Miami-Dade Product Control

**NO CHANGES IN
THIS SHEET.**

Prepared by A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34215
(941) 480-1600

ANCHOR QUANTITIES TABLE

Drawn by: A. MORLESIN
Date: 05/15/15

REGISTRATION #28296

DOUBLE HUNG INSTALL (LM)

9 OF 14

Sheet

DLH-5560

Gas Type: 5, 6, 7 & 8 Refer to Table 1	Bottom Sash Height (Range)	Bottom Sash Height (Range)	Architect Group B				Architect Group C				Architect Group D				Anchor Group F	Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
			18" Wide	24" Wide	32" Wide	40" Wide	48" Wide	56" Wide	64" Wide	72" Wide	80" Wide	88" Wide	96" Wide	104" Wide			112" Wide	120" Wide	128" Wide	136" Wide	144" Wide	152" Wide	160" Wide	168" Wide	176" Wide	184" Wide	192" Wide	200" Wide	208" Wide	216" Wide	224" Wide	232" Wide	240" Wide	248" Wide	256" Wide	264" Wide	272" Wide	280" Wide	288" Wide	296" Wide	304" Wide	312" Wide	320" Wide	328" Wide	336" Wide	344" Wide	352" Wide	360" Wide	368" Wide	376" Wide	384" Wide	392" Wide	400" Wide	408" Wide	416" Wide	424" Wide	432" Wide	440" Wide	448" Wide	456" Wide	464" Wide	472" Wide	480" Wide	488" Wide	496" Wide	504" Wide	512" Wide	520" Wide	528" Wide	536" Wide	544" Wide	552" Wide	560" Wide	568" Wide	576" Wide	584" Wide	592" Wide	600" Wide	608" Wide	616" Wide	624" Wide	632" Wide	640" Wide	648" Wide	656" Wide	664" Wide	672" Wide	680" Wide	688" Wide	696" Wide	704" Wide	712" Wide	720" Wide	728" Wide	736" Wide	744" Wide	752" Wide	760" Wide	768" Wide	776" Wide	784" Wide	792" Wide	800" Wide	808" Wide	816" Wide	824" Wide	832" Wide	840" Wide	848" Wide	856" Wide	864" Wide	872" Wide	880" Wide	888" Wide	896" Wide	904" Wide	912" Wide	920" Wide	928" Wide	936" Wide	944" Wide	952" Wide	960" Wide	968" Wide	976" Wide	984" Wide	992" Wide	1000" Wide	1008" Wide	1016" Wide	1024" Wide	1032" Wide	1040" Wide	1048" Wide	1056" Wide	1064" Wide	1072" Wide	1080" Wide	1088" Wide	1096" Wide	1104" Wide	1112" Wide	1120" Wide	1128" Wide	1136" Wide	1144" Wide	1152" Wide	1160" Wide	1168" Wide	1176" Wide	1184" Wide	1192" Wide	1200" Wide	1208" Wide	1216" Wide	1224" Wide	1232" Wide	1240" Wide	1248" Wide	1256" Wide	1264" Wide	1272" Wide	1280" Wide	1288" Wide	1296" Wide	1304" Wide	1312" Wide	1320" Wide	1328" Wide	1336" Wide	1344" Wide	1352" Wide	1360" Wide	1368" Wide	1376" Wide	1384" Wide	1392" Wide	1400" Wide	1408" Wide	1416" Wide	1424" Wide	1432" Wide	1440" Wide	1448" Wide	1456" Wide	1464" Wide	1472" Wide	1480" Wide	1488" Wide	1496" Wide	1504" Wide	1512" Wide	1520" Wide	1528" Wide	1536" Wide	1544" Wide	1552" Wide	1560" Wide	1568" Wide	1576" Wide	1584" Wide	1592" Wide	1600" Wide	1608" Wide	1616" Wide	1624" Wide	1632" Wide	1640" Wide	1648" Wide	1656" Wide	1664" Wide	1672" Wide	1680" Wide	1688" Wide	1696" Wide	1704" Wide	1712" Wide	1720" Wide	1728" Wide	1736" Wide	1744" Wide	1752" Wide	1760" Wide	1768" Wide	1776" Wide	1784" Wide	1792" Wide	1800" Wide	1808" Wide	1816" Wide	1824" Wide	1832" Wide	1840" Wide	1848" Wide	1856" Wide	1864" Wide	1872" Wide	1880" Wide	1888" Wide	1896" Wide	1904" Wide	1912" Wide	1920" Wide	1928" Wide	1936" Wide	1944" Wide	1952" Wide	1960" Wide	1968" Wide	1976" Wide	1984" Wide	1992" Wide	2000" Wide	2008" Wide	2016" Wide	2024" Wide	2032" Wide	2040" Wide	2048" Wide	2056" Wide	2064" Wide	2072" Wide	2080" Wide	2088" Wide	2096" Wide	2104" Wide	2112" Wide	2120" Wide	2128" Wide	2136" Wide	2144" Wide	2152" Wide	2160" Wide	2168" Wide	2176" Wide	2184" Wide	2192" Wide	2200" Wide	2208" Wide	2216" Wide	2224" Wide	2232" Wide	2240" Wide	2248" Wide	2256" Wide	2264" Wide	2272" Wide	2280" Wide	2288" Wide	2296" Wide	2304" Wide	2312" Wide	2320" Wide	2328" Wide	2336" Wide	2344" Wide	2352" Wide	2360" Wide	2368" Wide	2376" Wide	2384" Wide	2392" Wide	2400" Wide	2408" Wide	2416" Wide	2424" Wide	2432" Wide	2440" Wide	2448" Wide	2456" Wide	2464" Wide	2472" Wide	2480" Wide	2488" Wide	2496" Wide	2504" Wide	2512" Wide	2520" Wide	2528" Wide	2536" Wide	2544" Wide	2552" Wide	2560" Wide	2568" Wide	2576" Wide	2584" Wide	2592" Wide	2600" Wide	2608" Wide	2616" Wide	2624" Wide	2632" Wide	2640" Wide	2648" Wide	2656" Wide	2664" Wide	2672" Wide	2680" Wide	2688" Wide	2696" Wide	2704" Wide	2712" Wide	2720" Wide	2728" Wide	2736" Wide	2744" Wide	2752" Wide	2760" Wide	2768" Wide	2776" Wide	2784" Wide	2792" Wide	2800" Wide	2808" Wide	2816" Wide	2824" Wide	2832" Wide	2840" Wide	2848" Wide	2856" Wide	2864" Wide	2872" Wide	2880" Wide	2888" Wide	2896" Wide	2904" Wide	2912" Wide	2920" Wide	2928" Wide	2936" Wide	2944" Wide	2952" Wide	2960" Wide	2968" Wide	2976" Wide	2984" Wide	2992" Wide	3000" Wide	3008" Wide	3016" Wide	3024" Wide	3032" Wide	3040" Wide	3048" Wide	3056" Wide	3064" Wide	3072" Wide	3080" Wide	3088" Wide	3096" Wide	3104" Wide	3112" Wide	3120" Wide	3128" Wide	3136" Wide	3144" Wide	3152" Wide	3160" Wide	3168" Wide	3176" Wide	3184" Wide	3192" Wide	3200" Wide	3208" Wide	3216" Wide	3224" Wide	3232" Wide	3240" Wide	3248" Wide	3256" Wide	3264" Wide	3272" Wide	3280" Wide	3288" Wide	3296" Wide	3304" Wide	3312" Wide	3320" Wide	3328" Wide	3336" Wide	3344" Wide	3352" Wide	3360" Wide	3368" Wide	3376" Wide	3384" Wide	3392" Wide	3400" Wide	3408" Wide	3416" Wide	3424" Wide	3432" Wide	3440" Wide	3448" Wide	3456" Wide	3464" Wide	3472" Wide	3480" Wide	3488" Wide	3496" Wide	3504" Wide	3512" Wide	3520" Wide	3528" Wide	3536" Wide	3544" Wide	3552" Wide	3560" Wide	3568" Wide	3576" Wide	3584" Wide	3592" Wide	3600" Wide	3608" Wide	3616" Wide	3624" Wide	3632" Wide	3640" Wide	3648" Wide	3656" Wide	3664" Wide	3672" Wide	3680" Wide	3688" Wide	3696" Wide	3704" Wide	3712" Wide	3720" Wide	3728" Wide	3736" Wide	3744" Wide	3752" Wide	3760" Wide	3768" Wide	3776" Wide	3784" Wide	3792" Wide	3800" Wide	3808" Wide	3816" Wide	3824" Wide	3832" Wide	3840" Wide	3848" Wide	3856" Wide	3864" Wide	3872" Wide	3880" Wide	3888" Wide	3896" Wide	3904" Wide	3912" Wide	3920" Wide	3928" Wide	3936" Wide	3944" Wide	3952" Wide	3960" Wide	3968" Wide	3976" Wide	3984" Wide	3992" Wide	4000" Wide	4008" Wide	4016" Wide	4024" Wide	4032" Wide	4040" Wide	4048" Wide	4056" Wide	4064" Wide	4072" Wide	4080" Wide	4088" Wide	4096" Wide	4104" Wide	4112" Wide	4120" Wide	4128" Wide	4136" Wide	4144" Wide	4152" Wide	4160" Wide	4168" Wide	4176" Wide	4184" Wide	4192" Wide	4200" Wide	4208" Wide	4216" Wide	4224" Wide	4232" Wide	4240" Wide	4248" Wide	4256" Wide	4264" Wide	4272" Wide	4280" Wide	4288" Wide	4296" Wide	4304" Wide	4312" Wide	4320" Wide	4328" Wide	4336" Wide	4344" Wide	4352" Wide	4360" Wide	4368" Wide	4376" Wide	4384" Wide	4392" Wide	4400" Wide	4408" Wide	4416" Wide	4424" Wide	4432" Wide	4440" Wide	4448" Wide	4456" Wide	4464" Wide	4472" Wide	4480" Wide	4488" Wide	4496" Wide	4504" Wide	4512" Wide	4520" Wide	4528" Wide	4536" Wide	4544" Wide	4552" Wide	4560" Wide	4568" Wide	4576" Wide	4584" Wide	4592" Wide	4600" Wide	4608" Wide	4616" Wide	4624" Wide	4632" Wide	4640" Wide	4648" Wide	4656" Wide	4664" Wide	4672" Wide	4680" Wide	4688" Wide	4696" Wide	4704" Wide	4712" Wide	4720" Wide	4728" Wide	4736" Wide	4744" Wide	4752" Wide	4760" Wide	4768" Wide	4776" Wide	4784" Wide	4792" Wide	4800" Wide	4808" Wide	4816" Wide	4824" Wide	4832" Wide	4840" Wide	4848" Wide	4856" Wide	4864" Wide	4872" Wide	4880" Wide	4888" Wide	4896" Wide	4904" Wide	4912" Wide	4920" Wide	4928" Wide	4936" Wide	4944" Wide	4952" Wide	4960" Wide	4968" Wide	4976" Wide	4984" Wide	4992" Wide	5000" Wide	5008" Wide	5016" Wide	5024" Wide	5032" Wide	5040" Wide	5048" Wide	5056" Wide	5064" Wide	5072" Wide	5080" Wide	5088" Wide	5096" Wide	5104" Wide	5112" Wide	5120" Wide	5128" Wide	5136" Wide	5144" Wide	5152" Wide	5160" Wide	5168" Wide	5176" Wide	5184" Wide	5192" Wide	5200" Wide	5208" Wide	5216" Wide	5224" Wide	5232" Wide	5240" Wide	5248" Wide	5256" Wide	5264" Wide	5272" Wide	5280" Wide	5288" Wide	5296" Wide	5304" Wide	5312" Wide	5320" Wide	5328" Wide	5336" Wide	5344" Wide	5352" Wide	5360" Wide	5368" Wide	5376" Wide	5384" Wide	5392" Wide	5400" Wide	5408" Wide	5416" Wide	5424" Wide	5432" Wide	5440" Wide	5448" Wide	5456" Wide	5464" Wide	5472" Wide	5480" Wide	5488" Wide	5496" Wide	5504" Wide	5512" Wide	5520" Wide	5528" Wide	5536" Wide	5544" Wide	5552" Wide	5560" Wide	5568" Wide	5576" Wide	5584" Wide	5592" Wide	5600" Wide	5608" Wide	5616" Wide	5624" Wide	5632" Wide	5640" Wide	5648" Wide	5656" Wide	5664" Wide	5672" Wide	5680" Wide	5688" Wide	5696" Wide	5704" Wide	5712" Wide	5720" Wide	5728" Wide	5736" Wide	5744" Wide	5752" Wide	5760" Wide	5768" Wide	5776" Wide	5784" Wide	5792" Wide	5800" Wide	5808" Wide	5816" Wide	5824" Wide	5832" Wide	5840" Wide	5848" Wide	5856" Wide	5864" Wide	5872" Wide	5880" Wide	5888" Wide	5896" Wide	5904" Wide	5912" Wide	5920" Wide	5928" Wide	5936" Wide	5944" Wide	5952" Wide	5960" Wide	5968" Wide	5976" Wide	5984" Wide	5992" Wide	6000" Wide	6008" Wide	6016" Wide	6024" Wide	6032" Wide	6040" Wide	6048" Wide	6056" Wide	6064" Wide	6072" Wide	6080" Wide	6088" Wide	6096" Wide	6104" Wide	6112" Wide	6120" Wide	6128" Wide	6136" Wide	6144" Wide	6152" Wide	6160" Wide	6168" Wide	6176" Wide	6184" Wide	6192" Wide	6200" Wide	6208" Wide	6216" Wide	6224" Wide	6232" Wide	6240" Wide	6248" Wide	6256" Wide	6264" Wide	6272" Wide	6280" Wide	6288" Wide	6296" Wide	6304" Wide	6312" Wide	6320" Wide	6328" Wide	6336" Wide	6344" Wide	6352" Wide	6360" Wide	6368" Wide	6376" Wide	6384" Wide	6392" Wide	6400" Wide	6408" Wide	6416" Wide	6424" Wide	6432" Wide	6440" Wide	6448" Wide	6456" Wide	6464" Wide	6472" Wide	6480" Wide	6488" Wide	6496" Wide	6504" Wide	6512" Wide	6520" Wide	6528" Wide	6536" Wide	6544" Wide	6552" Wide	6560" Wide	6568" Wide	6576" Wide	6584" Wide	6592" Wide	6600" Wide	6608" Wide	6616" Wide	6624" Wide	6632" Wide	6640" Wide	6648" Wide	6656" Wide	6664" Wide	6672" Wide	6680" Wide	6688" Wide	6696" Wide	6704" Wide	6712" Wide	6720" Wide	6728" Wide	6736" Wide	6744" Wide	6752" Wide	6760" Wide	6768" Wide	6776" Wide	6784" Wide	6792" Wide	6800" Wide	6808" Wide	6816" Wide	6824" Wide	6832" Wide	6840" Wide	6848" Wide	6856" Wide	6864" Wide	6872" Wide	6880" Wide	6888" Wide	6896" Wide	6904" Wide	6912" Wide	6920" Wide	6928" Wide	6936" Wide	6944" Wide	6952" Wide	6960" Wide	6968" Wide	6976" Wide	6984" Wide	6992" Wide	7000" Wide	7008" Wide	7016" Wide	7024" Wide	7032" Wide	7040" Wide	7048" Wide	7056" Wide	7064" Wide	7072" Wide	7080" Wide	7088" Wide	7096" Wide	7104" Wide	7112" Wide	7120" Wide	7128" Wide	7136" Wide	7144" Wide	7152" Wide	7160" Wide	7168" Wide	7176" Wide	7184" Wide	7192" Wide	7200" Wide	7208" Wide	7216" Wide	7224" Wide	7232" Wide	7240" Wide	7248" Wide	7256" Wide	7264" Wide	7272" Wide	7280" Wide	7288" Wide	7296" Wide	7304" Wide	7312" Wide	7320" Wide	7328" Wide	7336" Wide	7344" Wide	7352" Wide	7360" Wide	7368" Wide	7376" Wide	7384" Wide	7392" Wide	7400" Wide	7408" Wide	7416" Wide	7424" Wide	7432" Wide	7440" Wide	7448" Wide	7456" Wide	7464" Wide	7472" Wide	7480" Wide	7488" Wide	7496" Wide	7504" Wide	7512" Wide	7520" Wide	7528" Wide	7536" Wide	7544" Wide	7552" Wide	7560" Wide	7568" Wide	7576" Wide	7584" Wide	7592" Wide	7600" Wide	7608" Wide	7616" Wide	7624" Wide	7632" Wide	7640" Wide	7648" Wide	7656" Wide	7664" Wide	7672" Wide	7680" Wide	7688" Wide	7696" Wide	7704" Wide	7712" Wide	7720" Wide	7728" Wide	7736" Wide	7744" Wide	7752" Wide	7760" Wide	7768" Wide	7776" Wide	7784" Wide	7792" Wide	7800" Wide	7808" Wide	7816" Wide	7824" Wide	7832" Wide	7840" Wide	7848" Wide	7856" Wide	7864" Wide	7872" Wide	7880" Wide	7888" Wide	7896" Wide	7904" Wide	7912" Wide	7920" Wide	7928" Wide	7936" Wide	7944" Wide	7952" Wide	7960" Wide	7968" Wide	7976" Wide	7984" Wide	7992" Wide	8000" Wide	8008" Wide	8016" Wide	8024" Wide	8032" Wide	8040" Wide	8048" Wide	8056" Wide	8064" Wide	8072" Wide	8080" Wide	8088" Wide	8096" Wide	8104" Wide	8112" Wide	8120" Wide	8128" Wide	8136" Wide	8144" Wide	8152" Wide	8160" Wide	8168" Wide	8176" Wide	8184" Wide	8192" Wide	8200" Wide	8208" Wide	8216" Wide	8224" Wide	8232" Wide	8240" Wide	8248" Wide	8256" Wide	8264" Wide	8272" Wide	8280" Wide	8288" Wide	8296" Wide	8304" Wide	8312" Wide	8320" Wide	8328" Wide	8336" Wide	8344" Wide	8352" Wide	8360" Wide	8368" Wide	8376" Wide	8384" Wide	8392" Wide	8400" Wide	8408" Wide	8416" Wide	8424" Wide	8432" Wide	8440" Wide	8448" Wide	8456" Wide	8464" Wide	8472" Wide	8480" Wide	8488" Wide	8496" Wide	8504" Wide	8512" Wide	8520" Wide	8528" Wide	8536" Wide	8544" Wide	8552" Wide	8560" Wide	8568" Wide	8576" Wide	8584" Wide	8592" Wide	8600" Wide	8608" Wide	8616" Wide	8624" Wide	8632" Wide	8640" Wide	8648" Wide	8656" Wide	8664" Wide	8672" Wide	8680" Wide

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

1/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

TABLE 10:

Anchor Quantities Required for "Through-Framing" Installation										Anchor Group A										Anchor Group B										Anchor Group C										Anchor Group D										Anchor Group E										Anchor Group F										Anchor Group G										Anchor Group H										Anchor Group I										Anchor Group J										Anchor Group K										Anchor Group L										Anchor Group M										Anchor Group N										Anchor Group O										Anchor Group P										Anchor Group Q										Anchor Group R										Anchor Group S										Anchor Group T										Anchor Group U										Anchor Group V										Anchor Group W										Anchor Group X										Anchor Group Y										Anchor Group Z										Anchor Group AA										Anchor Group AB										Anchor Group AC										Anchor Group AD										Anchor Group AE										Anchor Group AF										Anchor Group AG										Anchor Group AH										Anchor Group AI										Anchor Group AJ										Anchor Group AK										Anchor Group AL										Anchor Group AM										Anchor Group AN										Anchor Group AO										Anchor Group AP										Anchor Group AQ										Anchor Group AR										Anchor Group AS										Anchor Group AT										Anchor Group AU										Anchor Group AV										Anchor Group AW										Anchor Group AX										Anchor Group AY										Anchor Group AZ										Anchor Group BA										Anchor Group BB										Anchor Group BC										Anchor Group BD										Anchor Group BE										Anchor Group BF										Anchor Group BG										Anchor Group BH										Anchor Group BI										Anchor Group BJ										Anchor Group BK										Anchor Group BL										Anchor Group BM										Anchor Group BN										Anchor Group BO										Anchor Group BP										Anchor Group BQ										Anchor Group BR										Anchor Group BS										Anchor Group BT										Anchor Group BU										Anchor Group BV										Anchor Group BW										Anchor Group BX										Anchor Group BY										Anchor Group BZ										Anchor Group CA										Anchor Group CB										Anchor Group CC										Anchor Group CD										Anchor Group CE										Anchor Group CF										Anchor Group CG										Anchor Group CH										Anchor Group CI										Anchor Group CJ										Anchor Group CK										Anchor Group CL										Anchor Group CM										Anchor Group CN										Anchor Group CO										Anchor Group CP										Anchor Group CQ										Anchor Group CR										Anchor Group CS										Anchor Group CT										Anchor Group CU										Anchor Group CV										Anchor Group CW										Anchor Group CX										Anchor Group CY										Anchor Group CZ										Anchor Group DA										Anchor Group DB										Anchor Group DC										Anchor Group DD										Anchor Group DE										Anchor Group DF										Anchor Group DG										Anchor Group DH										Anchor Group DI										Anchor Group DJ										Anchor Group DK										Anchor Group DL										Anchor Group DM										Anchor Group DN										Anchor Group DO										Anchor Group DP										Anchor Group DQ										Anchor Group DR										Anchor Group DS										Anchor Group DT										Anchor Group DU										Anchor Group DV										Anchor Group DW										Anchor Group DX										Anchor Group DY										Anchor Group DZ										Anchor Group EA										Anchor Group EB										Anchor Group EC										Anchor Group ED										Anchor Group EE										Anchor Group EF										Anchor Group EG										Anchor Group EH										Anchor Group EI										Anchor Group EJ										Anchor Group EK										Anchor Group EL										Anchor Group EM										Anchor Group EN										Anchor Group EO										Anchor Group EP										Anchor Group EQ										Anchor Group ER										Anchor Group ES										Anchor Group ET										Anchor Group EU										Anchor Group EV										Anchor Group EW										Anchor Group EX										Anchor Group EY										Anchor Group EZ										Anchor Group FA										Anchor Group FB										Anchor Group FC										Anchor Group FD										Anchor Group FE										Anchor Group FF										Anchor Group FG										Anchor Group FH										Anchor Group FI										Anchor Group FJ										Anchor Group FK										Anchor Group FL										Anchor Group FM										Anchor Group FN										Anchor Group FO										Anchor Group FP										Anchor Group FQ										Anchor Group FR										Anchor Group FS										Anchor Group FT										Anchor Group FU										Anchor Group FV										Anchor Group FW										Anchor Group FX										Anchor Group FY										Anchor Group FZ										Anchor Group GA										Anchor Group GB										Anchor Group GC										Anchor Group GD										Anchor Group GE										Anchor Group GF										Anchor Group GG										Anchor Group GH										Anchor Group GI										Anchor Group GJ										Anchor Group GK										Anchor Group GL										Anchor Group GM										Anchor Group GN										Anchor Group GO										Anchor Group GP										Anchor Group GQ										Anchor Group GR										Anchor Group GS										Anchor Group GT										Anchor Group GU										Anchor Group GV										Anchor Group GW										Anchor Group GX										Anchor Group GY										Anchor Group GZ										Anchor Group HA										Anchor Group HB										Anchor Group HC										Anchor Group HD										Anchor Group HE										Anchor Group HF										Anchor Group HG										Anchor Group HH										Anchor Group HI										Anchor Group HJ										Anchor Group HK										Anchor Group HL										Anchor Group HM										Anchor Group HN										Anchor Group HO										Anchor Group HP										Anchor Group HQ										Anchor Group HR										Anchor Group HS										Anchor Group HT										Anchor Group HU										Anchor Group HV										Anchor Group HW										Anchor Group HX										Anchor Group HY										Anchor Group HZ										Anchor Group IA										Anchor Group IB										Anchor Group IC										Anchor Group ID										Anchor Group IE										Anchor Group IF										Anchor Group IG										Anchor Group IH										Anchor Group II										Anchor Group IJ										Anchor Group IK										Anchor Group IL										Anchor Group IM										Anchor Group IN										Anchor Group IO										Anchor Group IP										Anchor Group IQ										Anchor Group IR										Anchor Group IS										Anchor Group IT										Anchor Group IU										Anchor Group IV										Anchor Group IW										Anchor Group IX										Anchor Group IY										Anchor Group IZ										Anchor Group JA										Anchor Group JB										Anchor Group JC										Anchor Group JD										Anchor Group JE										Anchor Group JF										Anchor Group JG										Anchor Group JH										Anchor Group JI										Anchor Group JJ										Anchor Group JK										Anchor Group JL										Anchor Group JM										Anchor Group JN										Anchor Group JO										Anchor Group JP										Anchor Group JQ										Anchor Group JR										Anchor Group JS										Anchor Group JT										Anchor Group JU										Anchor Group JV										Anchor Group JW										Anchor Group JX										Anchor Group JY										Anchor Group JZ										Anchor Group KA										Anchor Group KB										Anchor Group KC										Anchor Group KD										Anchor Group KE										Anchor Group KF										Anchor Group KG										Anchor Group KH										Anchor Group KI										Anchor Group KJ										Anchor Group KK										Anchor Group KL										Anchor Group KM										Anchor Group KN										Anchor Group KO										Anchor Group KP										Anchor Group KQ										Anchor Group KR										Anchor Group KS										Anchor Group KT										Anchor Group KU										Anchor Group KV										Anchor Group KW										Anchor Group KX										Anchor Group KY										Anchor Group KZ										Anchor Group LA										Anchor Group LB										Anchor Group LC										Anchor Group LD										Anchor Group LE										Anchor Group LF										Anchor Group LG										Anchor Group LH										Anchor Group LI										Anchor Group LJ										Anchor Group LK										Anchor Group LL										Anchor Group LM										Anchor Group LN										Anchor Group LO										Anchor Group LP										Anchor Group LQ										Anchor Group LR										Anchor Group LS										Anchor Group LT										Anchor Group LU										Anchor Group LV										Anchor Group LW										Anchor Group LX										Anchor Group LY										Anchor Group LZ										Anchor Group MA										Anchor Group MB										Anchor Group MC										Anchor Group MD										Anchor Group ME										Anchor Group MF										Anchor Group MG										Anchor Group MH										Anchor Group MI										Anchor Group MJ										Anchor Group MK										Anchor Group ML										Anchor Group MM										Anchor Group MN										Anchor Group MO										Anchor Group MP										Anchor Group MQ										Anchor Group MR										Anchor Group MS										Anchor Group MT										Anchor Group MU										Anchor Group MV										Anchor Group MW										Anchor Group MX										Anchor Group MY										Anchor Group MZ										Anchor Group NA										Anchor Group NB										Anchor Group NC										Anchor Group ND										Anchor Group NE										Anchor Group NF										Anchor Group NG										Anchor Group NH										Anchor Group NI										Anchor Group NJ										Anchor Group NK										Anchor Group NL										Anchor Group NM										Anchor Group NN										Anchor Group NO										Anchor Group NP										Anchor Group NQ										Anchor Group NR										Anchor Group NS										Anchor Group NT										Anchor Group NU										Anchor Group NV										Anchor Group NW										Anchor Group NX										Anchor Group NY										Anchor Group NZ										Anchor Group OA										Anchor Group OB										Anchor Group OC										Anchor Group OD										Anchor Group OE										Anchor Group OF										Anchor Group OG										Anchor Group OH										Anchor Group OI										Anchor Group OJ										Anchor Group OK										Anchor Group OL										Anchor Group OM										Anchor Group ON										Anchor Group OO										Anchor Group OP										Anchor Group OQ										Anchor Group OR										Anchor Group OS										Anchor Group OT										Anchor Group OU										Anchor Group OV										Anchor Group OW										Anchor Group OX										Anchor Group OY										Anchor Group OZ										Anchor Group PA										Anchor Group PB										Anchor Group PC										Anchor Group PD										Anchor Group PE										Anchor Group PF										Anchor Group PG										Anchor Group PH										Anchor Group PI										Anchor Group PJ										Anchor Group PK										Anchor Group PL										Anchor Group PM										Anchor Group PN										Anchor Group PO										Anchor Group PP										Anchor Group PQ										Anchor Group PR										Anchor Group PS										Anchor Group PT										Anchor Group PU										Anchor Group 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RJ										Anchor Group RK										Anchor Group RL										Anchor Group RM										Anchor Group RN										Anchor Group RO										Anchor Group RP										Anchor Group RQ										Anchor Group RR										Anchor Group RS										Anchor Group RT										Anchor Group RU										Anchor Group RV										Anchor Group RW										Anchor Group RX										Anchor Group RY										Anchor Group RZ										Anchor Group SA										Anchor Group SB										Anchor Group SC										Anchor Group SD										Anchor Group SE										Anchor Group SF										Anchor Group SG										Anchor Group SH										Anchor Group SI										Anchor Group SJ										Anchor Group SK										Anchor Group SL										Anchor Group SM										Anchor Group SN										Anchor Group SO										Anchor Group SP										Anchor Group SQ										Anchor Group SR										Anchor Group SS										Anchor Group ST										Anchor Group SU										Anchor Group SV										Anchor Group SW										Anchor Group 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UL										Anchor Group UM										Anchor Group UN										Anchor Group UO										Anchor Group UP										Anchor Group UQ										Anchor Group UR										Anchor Group US										Anchor Group UT										Anchor Group UY										Anchor Group UZ										Anchor Group VA										Anchor Group VB										Anchor Group VC										Anchor Group VD										Anchor Group VE										Anchor Group VF										Anchor Group VG										Anchor Group VH										Anchor Group VI										Anchor Group VJ										Anchor Group VK										Anchor Group VL										Anchor Group VM										Anchor Group VN										Anchor Group VO										Anchor Group VP										Anchor Group VQ										Anchor Group VR										Anchor Group VS										Anchor Group VT										Anchor Group VY										Anchor Group VZ										Anchor Group WA										Anchor Group WB										Anchor Group WC										Anchor Group WD										Anchor Group WE										Anchor Group WF										Anchor Group WG										Anchor Group 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ANCHOR QUANTITIES TABLE

A. MORLESIN

05/15/15

ANCHOR QUANT

NOTES:

- 1) FRAME DIMENSIONS ARE BUCK. "MR"=MEETING RAIL.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
6) REFER TO TABLE 2, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.



APPROVED

7/2025, 12:14:49 PM
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Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

BC-WNDR-25-0123
Jane Herrin

TABLE 11:

Anchor Group A	Anchor Group B	Anchor Group C	Anchor Group D	Anchor Group E	Anchor Group F	Anchor Group G	Anchor Group H	Anchor Group I	Anchor Group J	Anchor Group K	Anchor Group L	Anchor Group M	Anchor Group N	Anchor Group O	Anchor Group P	Anchor Group Q	Anchor Group R	Anchor Group S	Anchor Group T	Anchor Group U	Anchor Group V	Anchor Group W	Anchor Group X	Anchor Group Y	Anchor Group Z	Anchor Group AA	Anchor Group AB	Anchor Group AC	Anchor Group AD	Anchor Group AE	Anchor Group AF	Anchor Group AG	Anchor Group AH	Anchor Group AI	Anchor Group AJ	Anchor Group AK	Anchor Group AL	Anchor Group AM	Anchor Group AN	Anchor Group AO	Anchor Group AP	Anchor Group AQ	Anchor Group AR	Anchor Group AS	Anchor Group AT	Anchor Group AU	Anchor Group AV	Anchor Group AW	Anchor Group AX	Anchor Group AY	Anchor Group AZ	Anchor Group BA	Anchor Group BB	Anchor Group BC	Anchor Group BD	Anchor Group BE	Anchor Group BF	Anchor Group BG	Anchor Group BH	Anchor Group BI	Anchor Group BJ	Anchor Group BK	Anchor Group BL	Anchor Group BM	Anchor Group BN	Anchor Group BO	Anchor Group BP	Anchor Group BQ	Anchor Group BR	Anchor Group BS	Anchor Group BT	Anchor Group BU	Anchor Group BV	Anchor Group BW	Anchor Group BX	Anchor Group BY	Anchor Group BZ	Anchor Group CA	Anchor Group CB	Anchor Group CC	Anchor Group CD	Anchor Group CE	Anchor Group CF	Anchor Group CG	Anchor Group CH	Anchor Group CI	Anchor Group CJ	Anchor Group CK	Anchor Group CL	Anchor Group CM	Anchor Group CN	Anchor Group CO	Anchor Group CP	Anchor Group CQ	Anchor Group CR	Anchor Group CS	Anchor Group CT	Anchor Group CU	Anchor Group CV	Anchor Group CW	Anchor Group CX	Anchor Group CY	Anchor Group CZ	Anchor Group DA	Anchor Group DB	Anchor Group DC	Anchor Group DD	Anchor Group DE	Anchor Group DF	Anchor Group DG	Anchor Group DH	Anchor Group DI	Anchor Group DJ	Anchor Group DK	Anchor Group DL	Anchor Group DM	Anchor Group DN	Anchor Group DO	Anchor Group DP	Anchor Group DQ	Anchor Group DR	Anchor Group DS	Anchor Group DT	Anchor Group DU	Anchor Group DV	Anchor Group DW	Anchor Group DX	Anchor Group DY	Anchor Group DZ	Anchor Group EA	Anchor Group EB	Anchor Group EC	Anchor Group ED	Anchor Group EE	Anchor Group EF	Anchor Group EG	Anchor Group EH	Anchor Group EI	Anchor Group EJ	Anchor Group EK	Anchor Group EL	Anchor Group EM	Anchor Group EN	Anchor Group EO	Anchor Group EP	Anchor Group EQ	Anchor Group ER	Anchor Group ES	Anchor Group ET	Anchor Group EU	Anchor Group EV	Anchor Group EW	Anchor Group EX	Anchor Group EY	Anchor Group EZ	Anchor Group FA	Anchor Group FB	Anchor Group FC	Anchor Group FD	Anchor Group FE	Anchor Group FF	Anchor Group FG	Anchor Group FH	Anchor Group FI	Anchor Group FJ	Anchor Group FK	Anchor Group FL	Anchor Group FM	Anchor Group FN	Anchor Group FO	Anchor Group FP	Anchor Group FQ	Anchor Group FR	Anchor Group FS	Anchor Group FT	Anchor Group FU	Anchor Group FV	Anchor Group FW	Anchor Group FX	Anchor Group FY	Anchor Group FZ	Anchor Group GA	Anchor Group GB	Anchor Group GC	Anchor Group GD	Anchor Group GE	Anchor Group GF	Anchor Group GG	Anchor Group GH	Anchor Group GI	Anchor Group GJ	Anchor Group GK	Anchor Group GL	Anchor Group GM	Anchor Group GN	Anchor Group GO	Anchor Group GP	Anchor Group GQ	Anchor Group GR	Anchor Group GS	Anchor Group GT	Anchor Group GU	Anchor Group GV	Anchor Group GW	Anchor Group GX	Anchor Group GY	Anchor Group GZ	Anchor Group HA	Anchor Group HB	Anchor Group HC	Anchor Group HD	Anchor Group HE	Anchor Group HF	Anchor Group HG	Anchor Group HH	Anchor Group HI	Anchor Group HJ	Anchor Group HK	Anchor Group HL	Anchor Group HM	Anchor Group HN	Anchor Group HO	Anchor Group HP	Anchor Group HQ	Anchor Group HR	Anchor Group HS	Anchor Group HT	Anchor Group HU	Anchor Group HV	Anchor Group HW	Anchor Group HX	Anchor Group HY	Anchor Group HZ	Anchor Group IA	Anchor Group IB	Anchor Group IC	Anchor Group ID	Anchor Group IE	Anchor Group IF	Anchor Group IG	Anchor Group IH	Anchor Group II	Anchor Group IJ	Anchor Group IK	Anchor Group IL	Anchor Group IM	Anchor Group IN	Anchor Group IO	Anchor Group IP	Anchor Group IQ	Anchor Group IR	Anchor Group IS	Anchor Group IT	Anchor Group IU	Anchor Group IV	Anchor Group IW	Anchor Group IX	Anchor Group IY	Anchor Group IZ	Anchor Group JA	Anchor Group JB	Anchor Group JC	Anchor Group JD	Anchor Group JE	Anchor Group JF	Anchor Group JG	Anchor Group JH	Anchor Group JI	Anchor Group JJ	Anchor Group JK	Anchor Group JL	Anchor Group JM	Anchor Group JN	Anchor Group JO	Anchor Group JP	Anchor Group JQ	Anchor Group JR	Anchor Group JS	Anchor Group JT	Anchor Group JU	Anchor Group JV	Anchor Group JW	Anchor Group JX	Anchor Group JY	Anchor Group JZ	Anchor Group KA	Anchor Group KB	Anchor Group KC	Anchor Group KD	Anchor Group KE	Anchor Group KF	Anchor Group KG	Anchor Group KH	Anchor Group KI	Anchor Group KJ	Anchor Group KK	Anchor Group KL	Anchor Group KM	Anchor Group KN	Anchor Group KO	Anchor Group KP	Anchor Group KQ	Anchor Group KR	Anchor Group KS	Anchor Group KT	Anchor Group KU	Anchor Group KV	Anchor Group KW	Anchor Group KX	Anchor Group KY	Anchor Group KZ	Anchor Group LA	Anchor Group LB	Anchor Group LC	Anchor Group LD	Anchor Group LE	Anchor Group LF	Anchor Group LG	Anchor Group LH	Anchor Group LI	Anchor Group LJ	Anchor Group LK	Anchor Group LL	Anchor Group LM	Anchor Group LN	Anchor Group LO	Anchor Group LP	Anchor Group LQ	Anchor Group LR	Anchor Group LS	Anchor Group LT	Anchor Group LU	Anchor Group LV	Anchor Group LW	Anchor Group LX	Anchor Group LY	Anchor Group LZ	Anchor Group MA	Anchor Group MB	Anchor Group MC	Anchor Group MD	Anchor Group ME	Anchor Group MF	Anchor Group MG	Anchor Group MH	Anchor Group MI	Anchor Group MJ	Anchor Group MK	Anchor Group ML	Anchor Group MM	Anchor Group MN	Anchor Group MO	Anchor Group MP	Anchor Group MQ	Anchor Group MR	Anchor Group MS	Anchor Group MT	Anchor Group MU	Anchor Group MV	Anchor Group MW	Anchor Group MX	Anchor Group MY	Anchor Group MZ	Anchor Group NA	Anchor Group NB	Anchor Group NC	Anchor Group ND	Anchor Group NE	Anchor Group NF	Anchor Group NG	Anchor Group NH	Anchor Group NI	Anchor Group NJ	Anchor Group NK	Anchor Group NL	Anchor Group NM	Anchor Group NO	Anchor Group NP	Anchor Group NQ	Anchor Group NR	Anchor Group NS	Anchor Group NT	Anchor Group NU	Anchor Group NV	Anchor Group VW	Anchor Group VY	Anchor Group VZ	Anchor Group WA	Anchor Group WB	Anchor Group WC	Anchor Group WD	Anchor Group WE	Anchor Group WF	Anchor Group WG	Anchor Group WH	Anchor Group WI	Anchor Group WJ	Anchor Group WK	Anchor Group WL	Anchor Group WM	Anchor Group WN	Anchor Group WO	Anchor Group WP	Anchor Group WQ	Anchor Group WR	Anchor Group WS	Anchor Group WT	Anchor Group WU	Anchor Group WV	Anchor Group WW	Anchor Group WX	Anchor Group WY	Anchor Group WZ	Anchor Group XA	Anchor Group XB	Anchor Group XC	Anchor Group XD	Anchor Group XE	Anchor Group XF	Anchor Group XG	Anchor Group XH	Anchor Group XI	Anchor Group XJ	Anchor Group XK	Anchor Group XL	Anchor Group XM	Anchor Group XN	Anchor Group XO	Anchor Group XP	Anchor Group XQ	Anchor Group XR	Anchor Group XS	Anchor Group XT	Anchor Group XU	Anchor Group XV	Anchor Group XW	Anchor Group XX	Anchor Group XY	Anchor Group XZ	Anchor Group YA	Anchor Group YB	Anchor Group YC	Anchor Group YD	Anchor Group YE	Anchor Group YF	Anchor Group YG	Anchor Group YH	Anchor Group YI	Anchor Group YJ	Anchor Group YK	Anchor Group YL	Anchor Group YM	Anchor Group YN	Anchor Group YO	Anchor Group YP	Anchor Group YQ	Anchor Group YR	Anchor Group YS	Anchor Group YT	Anchor Group YU	Anchor Group YV	Anchor Group YW	Anchor Group YX	Anchor Group YY	Anchor Group YZ	Anchor Group ZA	Anchor Group ZB	Anchor Group ZC	Anchor Group ZD	Anchor Group ZE	Anchor Group ZF	Anchor Group ZG	Anchor Group ZH	Anchor Group ZI	Anchor Group ZJ	Anchor Group ZK	Anchor Group ZL	Anchor Group ZM	Anchor Group ZN	Anchor Group ZO	Anchor Group ZP	Anchor Group ZQ	Anchor Group ZR	Anchor Group ZS	Anchor Group ZT	Anchor Group ZU	Anchor Group ZV	Anchor Group ZW	Anchor Group ZX	Anchor Group ZY	Anchor Group ZZ
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SEE TABLE 7, SHEET 7 FOR DESIGN PRESSURES WHEN USING THIS TABLE.
MIN. BOTTOM SASH HEIGHT = WINDOW BUCK HEIGHT" - 50.484
(APPLIES TO ANY HEIGHT 84" OR LESS).

ANCHOR QUANTITIES REQUIRED FOR "Through-Frame" Installation

Bottom Sash
Description to given
Height Shown
Equivalent

12.286

Standard Profile

15.877 - 19.316

11.917 - 15.356

Standard Profile

22.517 - 24.891

Standard Profile

25.877 - 28.251

Standard Profile

29.237 - 31.611

Standard Profile

32.597 - 34.971

Standard Profile

35.957 - 38.331

Standard Profile

39.317 - 41.691

Standard Profile

42.677 - 45.051

Standard Profile

46.037 - 48.411

Standard Profile

49.397 - 51.771

Standard Profile

52.757 - 55.131

Standard Profile

56.117 - 58.491

Standard Profile

59.477 - 61.851

Standard Profile

62.837 - 65.211

Standard Profile

66.197 - 68.571

Standard Profile

69.557 - 71.931

Standard Profile

72.917 - 75.291

Standard Profile

76.277 - 78.651

Standard Profile

79.637 - 82.011

Standard Profile

82.997 - 85.371

Standard Profile

86.357 - 88.731

Standard Profile

89.717 - 92.091

Standard Profile

93.077 - 95.451

Standard Profile

96.437 - 98.811

Standard Profile

99.797 - 102.171

Standard Profile

103.157 - 105.531

Standard Profile

106.517 - 108.891

Standard Profile

109.877 - 112.251

Standard Profile

113.237 - 115.611

Standard Profile

116.597 - 118.971

Standard Profile

119.957 - 122.331

Standard Profile

123.317 - 125.691

Standard Profile

126.677 - 129.051

Standard Profile

130.037 - 132.411

Standard Profile

133.397 - 135.771

Standard Profile

136.757 - 139.131

Standard Profile

140.117 - 142.491

Standard Profile

143.477 - 145.851

Standard Profile

146.837 - 149.211

Standard Profile

150.197 - 152.571

Standard Profile

153.557 - 155.931

Standard Profile

156.917 - 159.291

Standard Profile

160.277 - 162.651

Standard Profile

163.637 - 166.011

Standard Profile

166.997 - 169.371

Standard Profile

170.357 - 172.731

Standard Profile

173.717 - 176.091

Standard Profile

177.077 - 179.451

Standard Profile

180.437 - 182.811

Standard Profile

183.797 - 186.171

Standard Profile

187.157 - 189.531

Standard Profile

190.517 - 192.891

Standard Profile

193.877 - 196.251

Standard Profile

197.237 - 199.611

Standard Profile

200.597 - 203.971

Standard Profile

203.957 - 207.331

Standard Profile

207.317 - 210.691

Standard Profile

210.677 - 214.051

Standard Profile

214.037 - 217.411

Standard Profile

217.397 - 220.771

Standard Profile

220.757 - 224.131

Standard Profile

224.117 - 227.491

Standard Profile

227.477 - 230.851

Standard Profile

230.837 - 234.211

Standard Profile

234.197 - 237.571

Standard Profile

237.557 - 240.931

Standard Profile

240.917 - 244.291

Standard Profile

244.277 - 247.651

Standard Profile

247.637 - 251.011

Standard Profile

250.997 - 254.371

Standard Profile

254.357 - 257.731

Standard Profile

257.717 - 261.091

Standard Profile

261.077 - 264.451

Standard Profile

264.437 - 267.811

Standard Profile

267.797 - 271.171

Standard Profile

271.157 - 274.531

Standard Profile

274.517 - 277.891

Standard Profile

277.877 - 281.251

Standard Profile

281.237 - 284.611

Standard Profile

284.597 - 287.971

Standard Profile

287.957 - 291.331

Standard Profile

291.317 - 294.691

Standard Profile

294.677 - 298.051

Standard Profile

298.037 - 301.411

Standard Profile

301.397 - 304.771

Standard Profile

304.757 - 308.131

Standard Profile

308.117 - 311.491

Standard Profile

311.477 - 314.851

Standard Profile

314.837 - 318.211

Standard Profile

318.197 - 321.571

Standard Profile

321.557 - 324.931

Standard Profile

324.917 - 328.291

Standard Profile

328.277 - 331.651

Standard Profile

331.637 - 335.011

Standard Profile

334.997 - 338.371

Standard Profile

338.357 - 341.731

Standard Profile

341.717 - 345.091

Standard Profile

345.077 - 348.451

Standard Profile

348.437 - 351.811

Standard Profile

351.797 - 355.171

Standard Profile

355.157 - 358.531

Standard Profile

358.517 - 361.891

Standard Profile

361.877 - 365.251

Standard Profile

365.237 - 368.611

Standard Profile

368.597 - 371.971

Standard Profile

371.957 - 375.331

Standard Profile

375.317 - 378.691

Standard Profile

378.677 - 382.051

Standard Profile

382.037 - 385.411

Standard Profile

385.397 - 388.771

Standard Profile

388.757 - 392.131

Standard Profile

392.117 - 395.491

Standard Profile

395.477 - 398.851

Standard Profile

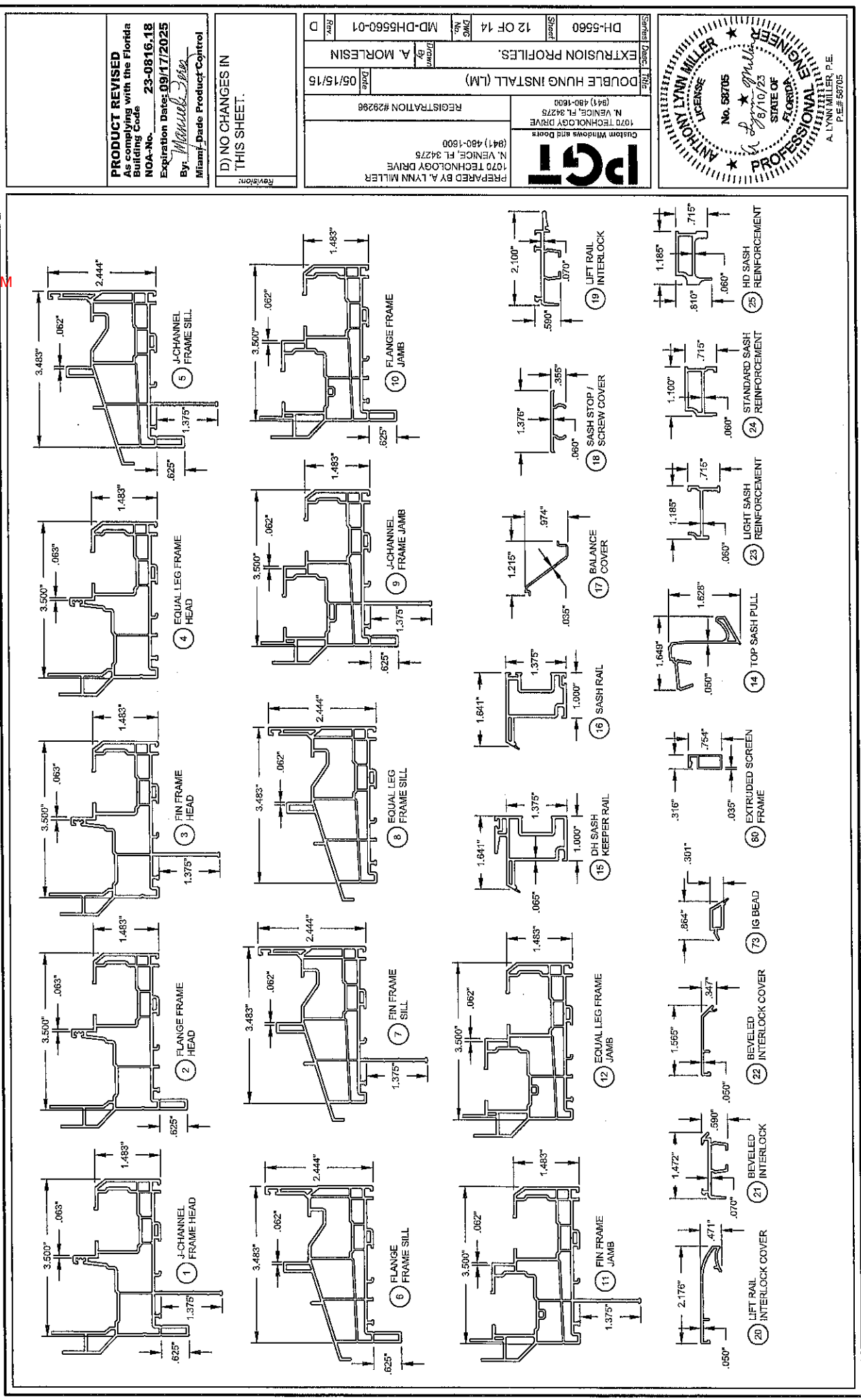
398.837 - 402.211

Standard Profile

402.197 - 405.571

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

7/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin





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7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

2/25/2025, 11:28:05 AM

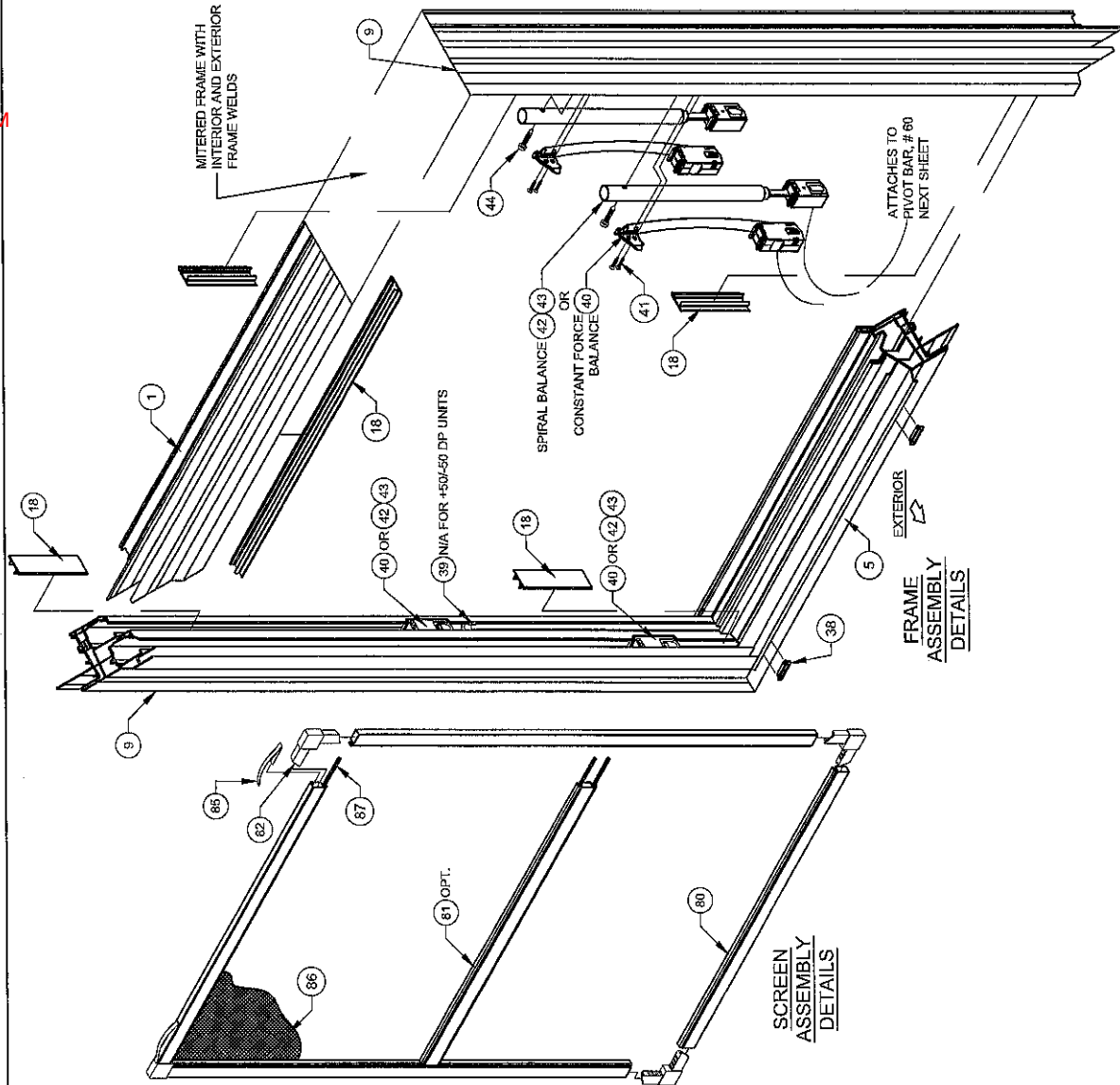
BC-WNDR-25-0123

Jane Herrin

TABLE 12:			Bill of Material	
#	Part #	Description	Material	
1	620113	Frame Head - J-Channel	PVC	
2	620114	Frame Head - Flange	PVC	
3	620115	Frame Head - Fin	PVC	
4	620116	Frame Head - Equal Leg/Box	PVC	
5	620105	Frame Sill - J-Channel	PVC	
6	620106	Frame Sill - Flange	PVC	
7	620107	Frame Sill - Fin	PVC	
8	620108	Frame Sill - Equal Leg/Box	PVC	
9	620109	Frame Jamb - J-Channel	PVC	
10	620110	Frame Jamb - Flange	PVC	
11	620111	Frame Jamb - Fin	PVC	
12	620112	Frame Jamb - Equal Leg/Box	PVC	
13	620171	Top Sash Pull (opt.)	PVC	
14	620140	Keeper Rail	PVC	
15	620129	Sash Rail (Slides, Top & Bottom)	PVC	
16	620134	Balance Cover	PVC	
17	620133	Sash Stop/Screw Cover	PVC	
18	620156	Lift Rail Interlock	6005 TS AI	
19	620144	Lift Rail Interlock Cover	PVC	
20	620144	Lift Rail Interlock Cover	6005 TS AI	
21	620157	Beveled Interlock	PVC	
22	620145	Beveled Interlock Cover	6063 T6 AI	
23	620150	Light Sash Reinforcement	6063 T6 AI	
24	620151	Standard Sash Reinforcement	6063 T6 AI	
25	620152	HD Sash Reinforcement	6063 T6 AI	
30	61644	Weatherstrip, .167" x .270" Fin Flt		
31	60300	Weatherstrip, .190" x .300" Foam Bulb		
32	61719	Weatherstrip, .197" x .220" Poly/Pile		
33	61825	Weatherstrip Plug, 220° Finseal		
35	7801MTT	#6 x 1" Ph. PH SDS (Interlock Mounting Screw)	SS	
36	720210	Weep Hole Cover	PVC	
37	720210	Tilt Latch Reinforcement Clip	PVC	
40	720XXXX	Constant Force Balance		
41	783GPPAX	#6 x 3/4" Ph. FH SMS (Con. Force Balance Screw)	SS	
42		Spiral Balance		
43	78314E1AX	Spiral Balance Shoe	Nylon	
44	78X14E1AX	#6 x 1-1/4" Ph. FH SMS (Spiral Balance Screw)	SS	

NOTES:

- 1) GLASS AND SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
- 2) J-CHANNEL FRAME SHOWN, PARTS # 1, 5 & 9. OTHER FRAME TYPES APPLY.
- 3) PVC BY ENERGY WINDOW AND DOOR PROFILES, LTD., TO BE LABELED FOR AAMA EXTRUDER CODE.
- 4) FOR REINFORCEMENT TYPES, SEE DETAILS ON SHEETS 6 & 7.
- 5) ITEMS # 13, 26-29, 34, 36, 37, 65-71, 73 & 84 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.



PRODUCT REVISED As complying with the Florida Building Code NOA-No. 23-0816.18 Expiration Date: 09/17/2025 By: <i>Manuel Jada</i> Miami Dade Product Control		D) NO CHANGES IN THIS SHEET. REVISION:	
PREPARED BY A LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		REGISTRATION #29296	
P&GT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		DOUBLE HUNG INSTALL (LM) Date 05/15/15	
ASSEMBLY & PART LIST Drawn By A MORLESIN		DWG No. 13 OF 14 MD-DH5560-01 Rev. D	
Sheet DH-5560		Section	

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

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

7/2025, 11:28:05 AM
C-WNDR-25-0123
Jane Herrin

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-0816.18**
Expiration Date: **09/17/2025**
By: *Manuel J. Pina*
Miami-Dade Product Control

D) NO CHANGES IN THIS SHEET.

PREPARED BY A. LYNN MILLER
1670 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 490-1600

PGT
Custom Windows and Doors
1670 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 490-1600

REGISTRATION #29296
Date: 05/15/15
Inspector: A. MORLESIN
14 OF 14
MD-DH5560-01

DOUBLE HUNG INSTALL (LM)
ASSEMBLY & PARTS LIST.
Sheet: 14 OF 14
DH-5560

ANTHONY LYNN MILLER
No. 58705
8/10/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

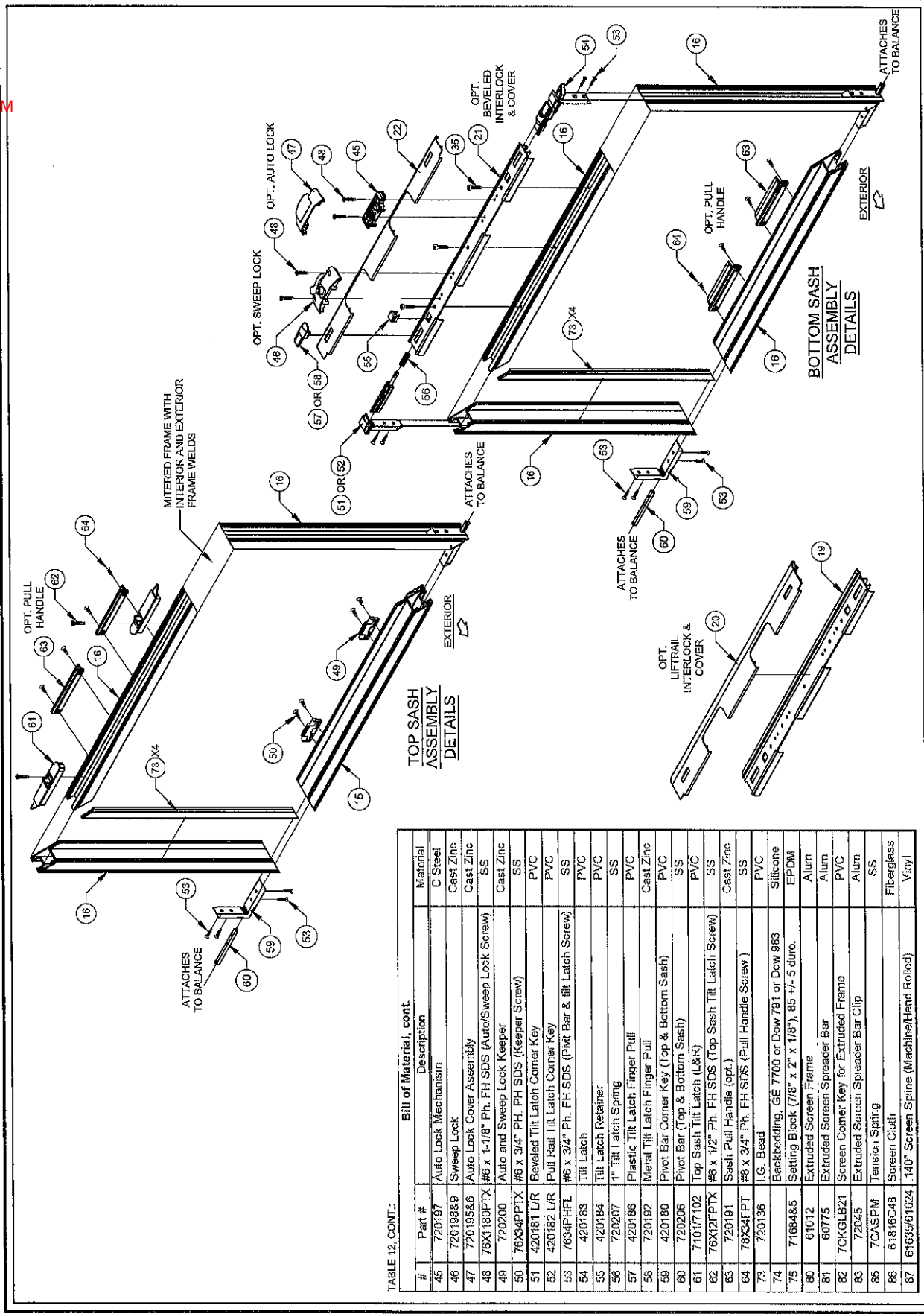


TABLE 12. CONT.:

Bill of Material, cont.		
#	Part #	Description
45	720197	Auto Lock Mechanism
46	720193&9	C Steel
47	720193&6	Sweep Lock
48	720193&6	Auto Lock Cover Assembly
49	76X1180P/TX	#6 x 1-1/8" Ph. FH SDS (Auto/Sweep Lock Screw)
50	720200	Auto and Sweep Lock Keeper
51	76X34P/TX	#6 x 3/4" Ph. PH SDS (Keeper Screw)
52	420182 L/R	Beveled Tilt Latch Corner Key
53	7634P/HFL	Pull Rail Tilt Latch Corner Key
54	420183	Tilt Latch
55	420184	Tilt Latch Retainer
56	720207	1" Tilt Latch Spring
57	420186	Plastic Tilt Latch Finger Pull
58	720192	Metal Tilt Latch Finger Pull
59	420180	Pivot Bar Corner Key (Top & Bottom Sash)
60	720206	Pivot Bar (Top & Bottom Sash)
61	71017102	Top Sash Tilt Latch (L&R)
62	76X12P/TX	#6 x 1/2" Ph. FH SDS (Top Sash Tilt Latch Screw)
63	720191	Sash Pull Handle (opt.)
64	78X24FPT	#8 x 3/4" Ph. FH SDS (Pull Handle Screw)
73	720196	I.G. Bead
74	71884&5	Backbedding, GE 7700 or Dow 791 or Dow 983
75	71884&5	Setting Block (7/8" x 2" x 1/8"), 85 +/- 5 duro.
80	61012	Extruded Screen Frame
81	60775	Extruded Screen Spreader Bar
82	70KGLB21	Screen Corner Key for Extruded Frame
83	72045	Extruded Screen Spreader Bar Clip
85	7CASP/M	Tension Spring
86	61816C48	Screen Cloth
87	61635/61624	1.140" Screen Spine (Machine/Hand Rolled)



APPROVED

7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.

1070 Technology Drive

North Venice, FL 34275

SCOPE:

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

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

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

DESCRIPTION: Series "PW-5540" PVC Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-5540.0** titled "Vinyl Fixed Casement Window NOA (LM)", sheets 1 through 13 of 13, dated 09/09/14, with revision **D** dated 07/31/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

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

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

This NOA revises **NOA No. 20-0401.07** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



[Signature]
9/7/23

NOA No. 23-0816.04

Expiration Date: September 24, 2025

Approval Date: September 14, 2023

Page 1



25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin



7/2025, 12:14:49 PM

C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



7/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's
A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 15-0415.01)
2. Drawing No. **MD-5540.0** titled "Vinyl Fixed Casement Window NOA (LM)", sheets 1 through 13 of 13, dated 09/09/14, with revision **C** dated 03/19/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.07)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per ASTM F588 and TAS 202-94
along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)
dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 20-0401.07)
2. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispac 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 16-0714.19)


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
Approval Date: September 14, 2023



7/2025, 12:14:49 PM

C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



7/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of a PVC fixed window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7897**, dated 08/01/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0415.01)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5540/5440 PVC casement picture windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8128**, dated 02/10/15, signed and sealed by Idalmis Ortega, P.E. and with marked-up drawings and installation diagram of a series 5540/5440 vinyl fixed windows w/tube mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8174**, dated 03/31/15, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0415.01)
5. Additional, Reference test report **FTL-8183** per TAS 201, 202 & 203-94, issued by Fenestration Testing Laboratory, Inc.
(Submitted under NOA No. 15-0415.01)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)** and **FBC 7th (2020)** dated 03/19/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.07)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
Approval Date: September 14, 2023



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C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
E. MATERIAL CERTIFICATIONS

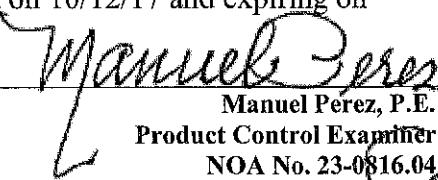
1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.
3. Notice of Acceptance No. **18-0122.02**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/08/18, expiring on 02/28/23.
4. Notice of Acceptance No. **20-0203.03** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.
5. Notice of Acceptance No. **20-0203.04** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 12, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.07)
2. Statement letter of no financial interest, dated March 12, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 20-0401.07)
3. Proposal No. **19-1155TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 20-0401.07)
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 17-0614.06)
5. Proposal issued by Product Control Section, dated 06/26/14, signed by Jaime Gascon, P.E. Supervisor, Product Control Section.
(Submitted under NOA No. 15-0415.01)

G. OTHERS

1. Notice of Acceptance No. **17-0614.06**, issued to **PGT Industries, Inc.** for their Series "**PW-5540**" PVC Fixed Window – LM.I., approved on 10/12/17 and expiring on 09/24/20.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
Approval Date: September 14, 2023



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C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **MD-5540.0** titled "Vinyl Fixed Casement Window NOA (LM)", sheets 1 through 13 of 13, dated 09/09/14, with revision **D** dated 07/31/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

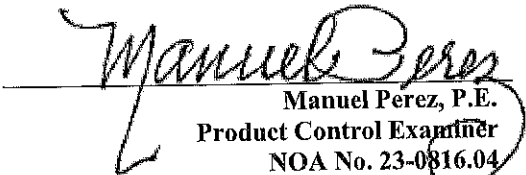
1. Test reports on: 1) 400 ft-lb Drop Test, per ANSI Z97.1-15 Class A and FBC Sections 2406.2 and 2406.4.3. along with marked-up drawings and installation diagram of CGI Windows & Doors, Inc. and PGT Industries, Inc. representative units listed below and tested to qualify ANSI Z97.1 Safety Glazing on corresponding lites of CGI and PGT lines of fixed window products, prepared by QAI Laboratories, Test Reports No.: **NOK-0049**, test specimen: CGI Windows & Doors, Inc. Series "PW238" Aluminum Fixed Window – L.M.I. (unit 1 in proposal No. **23-0441R** dated 06/12/23). **NOK-0050**, test specimen: PGT Industries, Inc. Series "PW5520 Vinyl Fixed Window – L.M.I. (unit 2 in proposal No. **23-0441R** dated 06/12/23), each dated 08/02/23, and signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
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C-WNDR-25-0123

PGT Industries, Inc.

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED (CONTINUED)
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **20-0915.22** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers"** dated 11/19/20, expiring on 07/08/24.
2. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 12/15/22, expiring on 07/04/28.
3. Notice of Acceptance No. **21-1109.04**, issued to **Vision Extrusions Group Limited**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/31/22, expiring on 09/30/24.
4. Notice of Acceptance No. **22-0104.04**, issued to **Vision Extrusions Group Limited**, for their **Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 04/14/22, expiring on 12/29/26.
5. Notice of Acceptance No. **22-0621.01**, issued to **Vision Extrusions Group Limited**, for their **Black and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 07/28/22, expiring on 07/28/27.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated July 31, 2023, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **23-0441R** issued by the Product Control Section, dated 06/06/23 and revised on 06/12/23, signed by Manuel Perez, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0401.07**, issued to **PGT Industries, Inc.** for their Series **"PW-5540"** PVC Fixed Window – L.M.I. approved on 08/06/20 and expiring on 09/24/25.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0816.04
Expiration Date: September 24, 2025
Approval Date: September 14, 2023

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C-WNDR-25-0123
Dylan Calella

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BC-WNDR-25-0123
Jane Herrin

GENERAL NOTES: SERIES 5540
IMPACT RESISTANT, VINYL FIXED CASEMENT WINDOW

THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS. FOR INSULATED GLASS INSTALLATIONS ABOVE 30" IN THE HVHZ, THE OUTBOARD GLASS (CAP) MUST BE TEMPERED.

FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C30 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI COMPRESSIVE STRENGTH.

ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X JOISTS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR).

ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR FLUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. OVERALL FLASHING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT FLUSH TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS. WOOD BUCKS, BY OTHERS, MUST BE SUFFICIENTLY ANCHORED TO RESIST LOADS IMPOSED ON THEM BY THE WINDOW.

DESIGN PRESSURES:
NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED AND SECURED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% PRESSURE INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD FACTOR WAS USED FOR THE EVALUATION OF ANCHORS TO WOOD.

ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

REFERENCES: TEST REPORTS FTL-7897, 8128, 8174; DEWALT ULTRACON+ NOA; COIDEWALT CRETE-LEX NOA; ELCOIDEWALT AGGRE-GATOR NOA; VISION EXTRUSIONS TO BLACK, WHITE, BRONZE & LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/APA NDS & ALUMINUM DESIGN MANUAL.

PVB AND SG INTERLAYERS MANUFACTURED BY KURARAY AMERICA, INC.

FRAME FLANGES OR INTEGRAL FIN MAY BE TRIMMED IN-FIELD TO CREATE AN EQUAL-LEG FRAME.

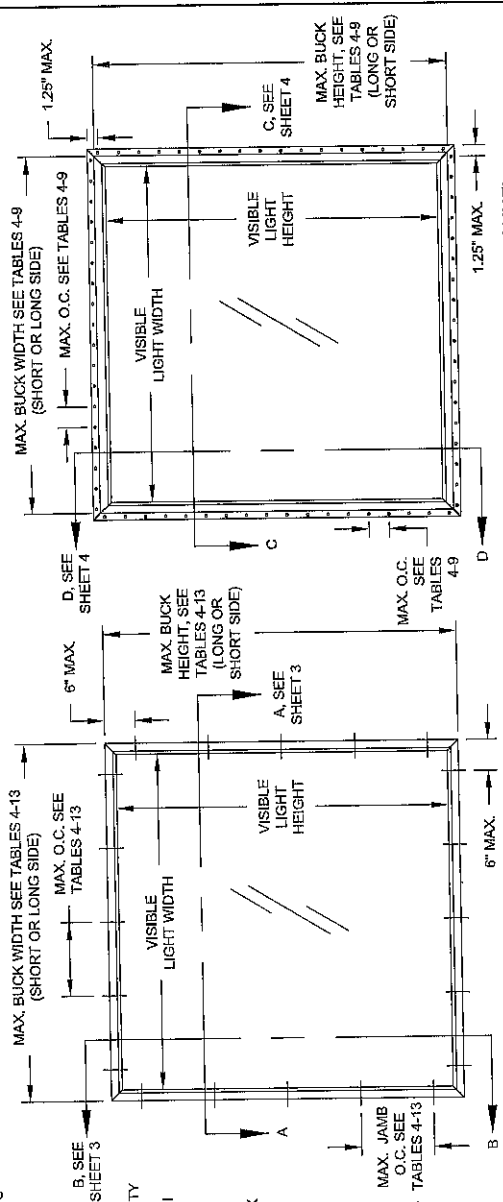
VISIBLE LIGHT FORMULAS
WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

CODES / STANDARDS USED:

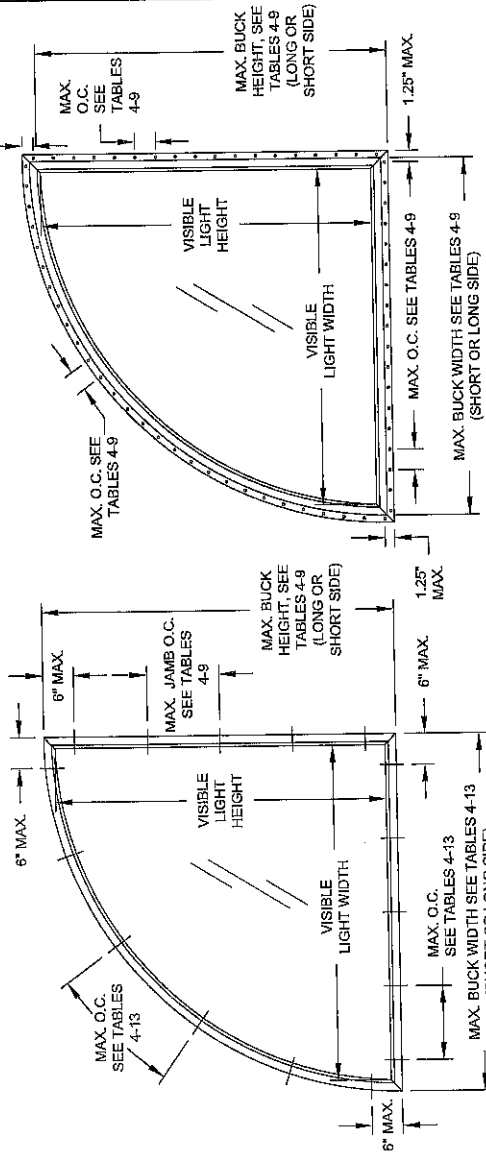
- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ASTM E1300-08
- ANSI/APA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2020
- AISI S100-16
- AISI 360-16

GENERAL NOTES	1
ELEVATIONS	1
FRAME GLASS & ANCHOR	1
OPTIONS	2
INSTALLATION, FLANGE & EQUAL LEG	3
INSTALLATION, INTEGRAL FIN & J-CHANNEL	4
FRAME ASSEMBLY TUBE	5-6
GLAZING DETAILS	7
DESIGN PRESSURES	8-12
BOM & ASSEMBLY	13

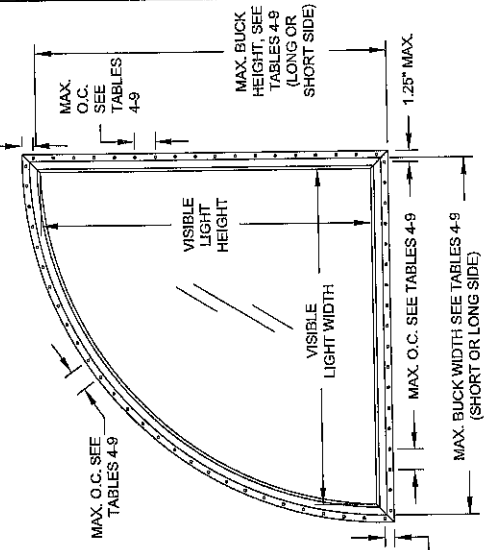
IMPACT RATING	DESIGN PRESSURE RATING
LARGE & SMALL MISSILE IMPACT RESISTANT	VARIES PER OPTIONS, SEE TABLES 4-13, SHEETS 8-12



TYP. INTEGRAL FIN & J-CHANNEL FRAME (90° CORNERS) (ANCHORED THROUGH NAIL FIN)



TYP. EQUAL-LEG/BOX & FLANGE FRAME (90° CORNERS)



TYP. INTEGRAL FIN & J-CHANNEL FRAME (CURVED OR ANGLED CORNERS) (ANCHORED THROUGH NAIL FIN)

PREPARED BY A. LYNN MILLER
N. VENICE, FL 34276
(941) 480-1600

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

REGISTRATION #29286

09/9/14

J. ROSOWSKI

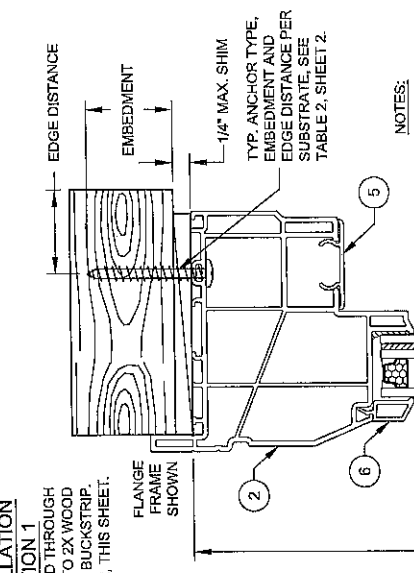
GENERAL NOTES & ELEVATION

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/31/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

INSTALLATION
OPTION 1

ANCHORED THROUGH
FRAME INTO 2X WOOD
FRAME OR BUCKSTRIP.
SEE NOTE 2, THIS SHEET.



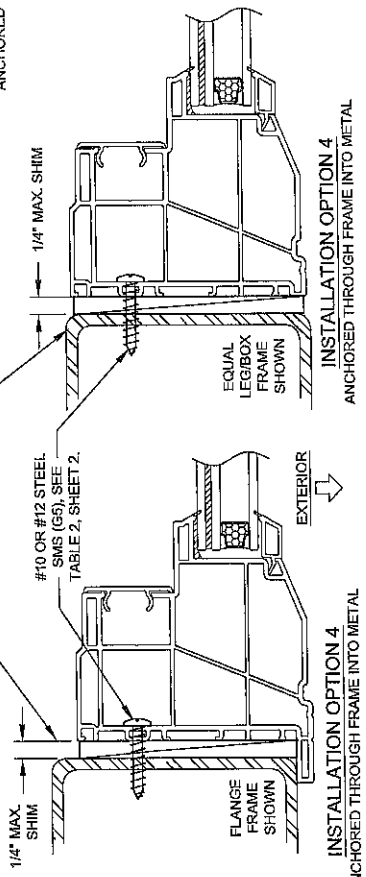
NOTES:

- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
- 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
- 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

HORIZONTAL SECTION A-A

DADE APPROVED MULLION, FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD, MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE 3, SHEET 2.

INSTALLATION
ANCHORED THROUGH



INSTALLATION OPTION 4

ANCHORED THROUGH FRAME INTO METAL

INSTALLATION OPTION 4

ANCHORED THROUGH FRAME INTO METAL

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/31/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

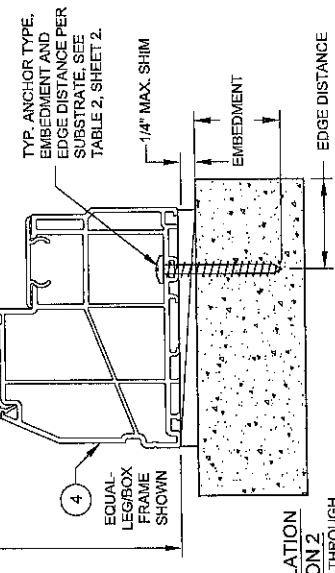
PGT Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1800		REGISTRATION #29295	
PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275		DATE 9/9/14	
VINYL FIXED CASEMENT WINDOW NOA (LM)		DATE 07/31/23	
ACCESSORY INSTALLATION		BY J. ROSOWSKI	
D) NO CHANGES, THIS SHEET, SB		REV 07/31/23	
PW-5540		MD-5540.0	
3 OF 13		D	

VISIBLE LIGHT FORMULAS	
WIDTH: BUCK WIDTH - 6-3/4"	
HEIGHT: BUCK HEIGHT - 6-3/4"	

INSTALLATION
OPTION 2

ANCHORED THROUGH
FRAME DIRECTLY INTO
CONCRETE/CMU.

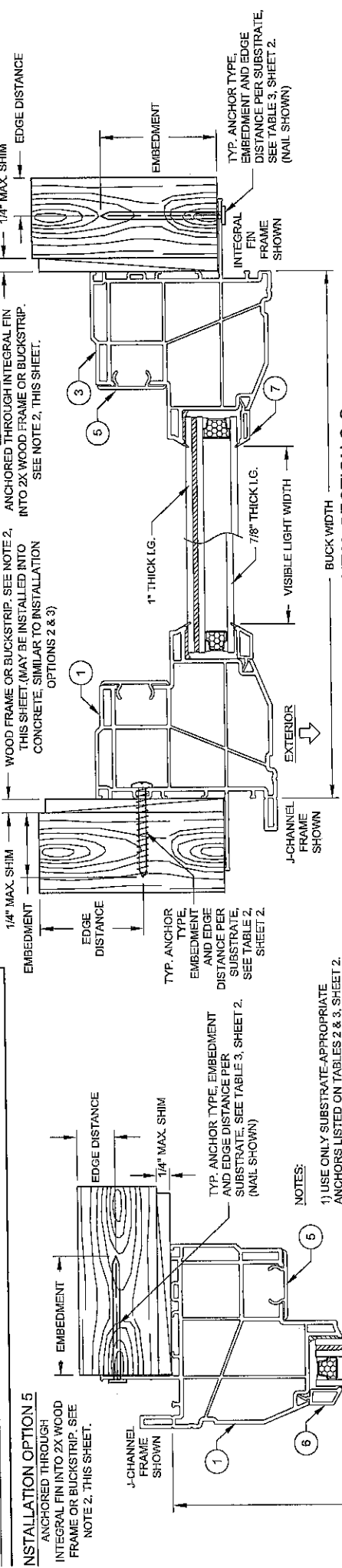
VERTICAL SECTION B-B



INSTALLATION DETAILS FOR INTEGRAL FIN & J-CHANNEL FRAMES

INSTALLATION OPTION 5

ANCHORED THROUGH
INTEGRAL FIN INTO 2X WOOD
FRAME OR BUCKSTRIP. SEE
NOTE 2, THIS SHEET.



HORIZONTAL SECTION C-C

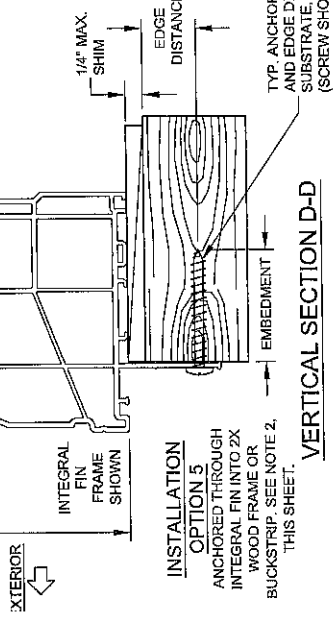
FBC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD.
MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLES 2 & 3, SHEET 2.

- NOTES:
- 1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLES 2 & 3, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.
 - 2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNITS IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
 - 3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

INSTALLATION OPTION 7

INSTALLATION THROUGH THE
INTEGRAL FIN INTO METAL. SEE
TABLE 3, SHEET 2.

INSTALLATION OPTION 4 (FLANGE
FRAME) ALLOWED WITH MULLION
INSTALLATION. SEE SHEET 3.



INSTALLATION
OPTION 5

ANCHORED THROUGH
INTEGRAL FIN INTO 2X
WOOD FRAME OR
BUCKSTRIP. SEE NOTE 2,
THIS SHEET.

VERTICAL SECTION D-D

INSTALLATION OPTION 8

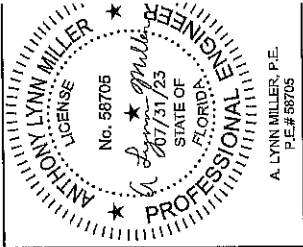
INSTALLATION THROUGH THE FRAME,
INTO METAL. SEE TABLE 2, SHEET 2.

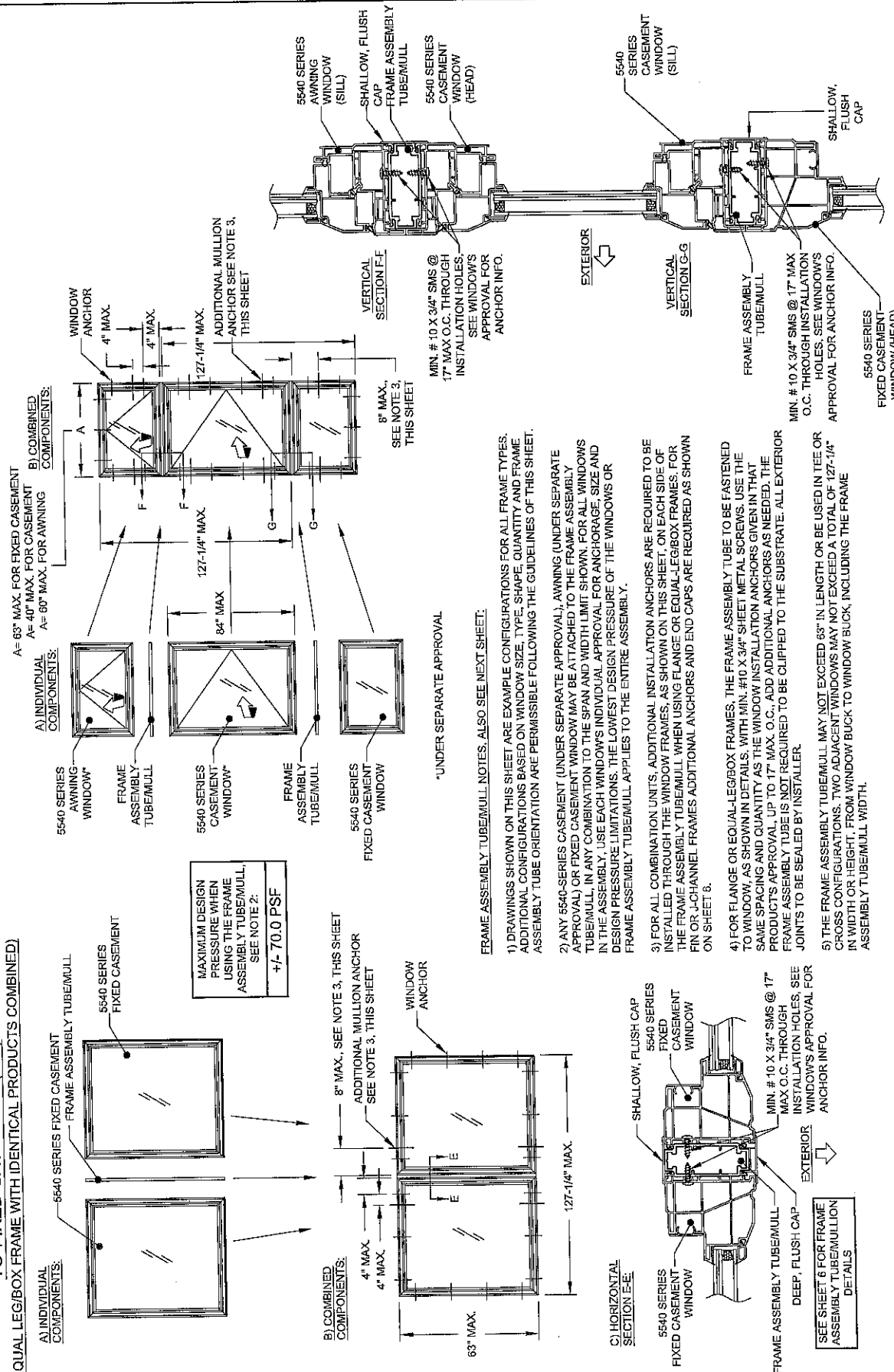


PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

Custom Windows and Doors	REGISTRATION #25296	DATE	9/9/14
1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	VINYL FIXED CASEMENT WINDOW NOA (LM)	DATE	07/31/23
ACCESSORY INSTALLATION	J. ROSOWSKI	DATE	07/31/23
D) ADD NOTES: FLANGE FRAME CAN BE USED WITH FIN AT MULL (OPT 7), SB	PW-5540	DATE	MD-5540.0
Rev	4 OF 13	Rev	D

PRODUCT REVISED
As complying with the Florida
Building Code
NOA No. 23-0816.04
Expiration Date: 09/24/2025
By: *Matthew J. Jern*
Miami-Dade Product Control

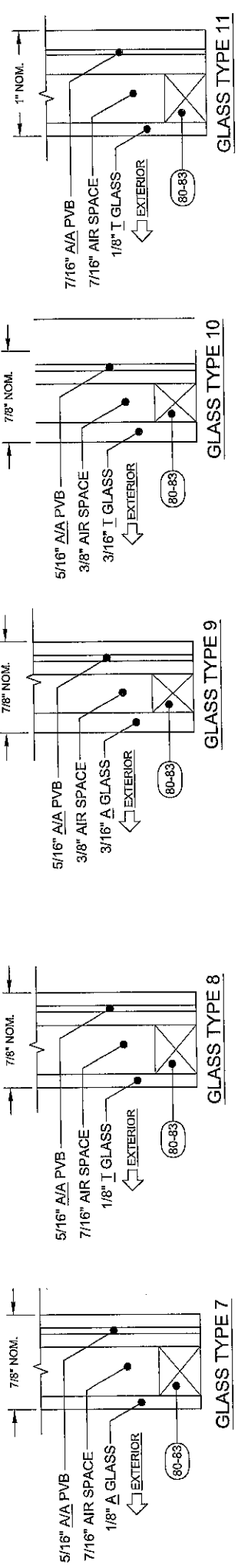




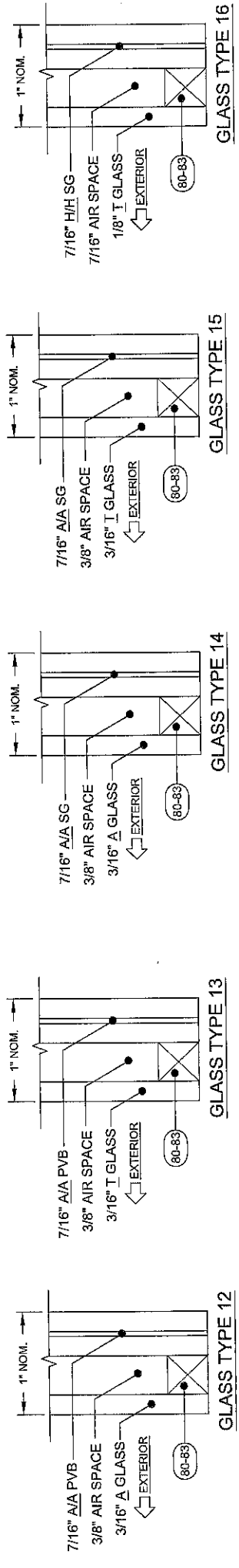
2 OR MORE WINDOWS (4 WINDOWS MAX.) WITH
HORIZONTAL FRAME ASSEMBLY TUBE/MULL
VARIOUS WINDOW TYPES AND SIZES.

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

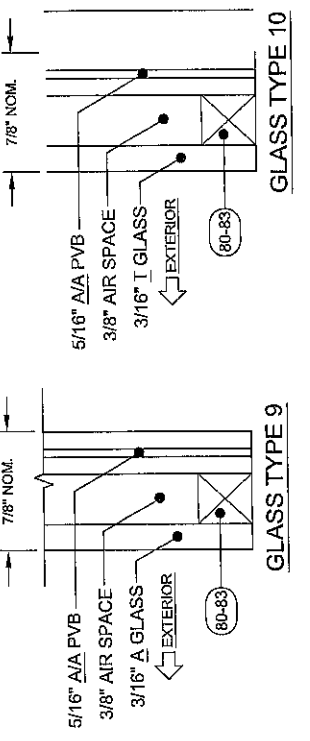
7/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin



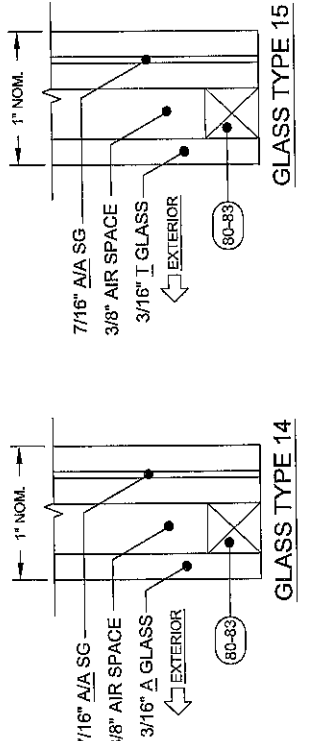
GLASS TYPE 7



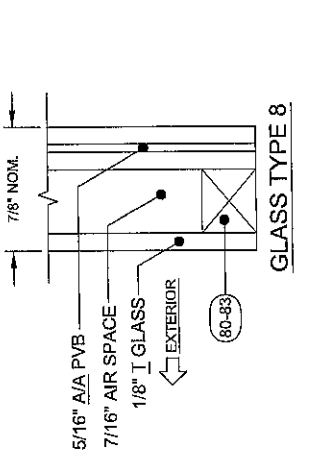
GLASS TYPE 12



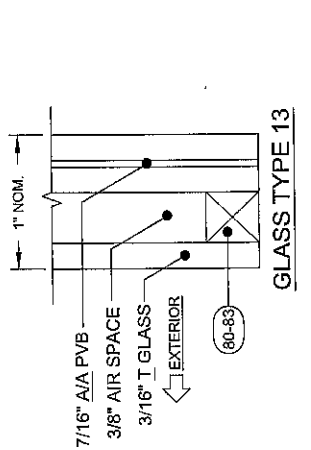
GLASS TYPE 9



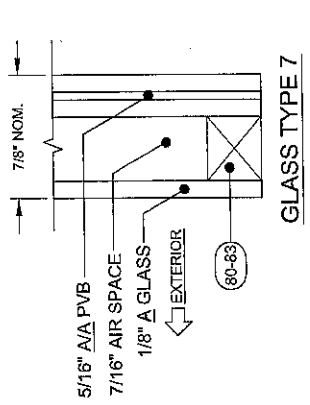
GLASS TYPE 15



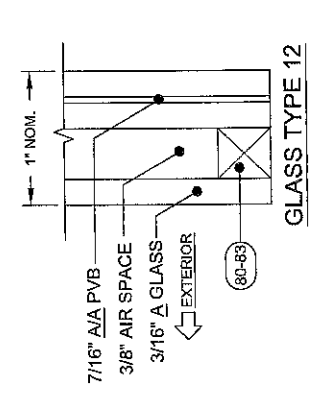
GLASS TYPE 8



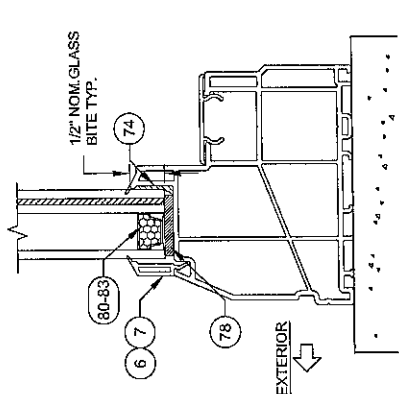
GLASS TYPE 13



GLASS TYPE 11



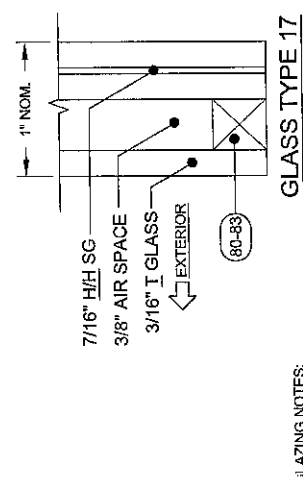
GLASS TYPE 16



TYP. GLAZING DETAIL

GLASS TYPES 7, 9, 12, & 14
MAY NOT BE USED IN THE
HVHZ ABOVE 30".

GLASS TYPES 14 THROUGH
17 MAY NOT BE USED WITH
J-CHANNEL OR INTEGRAL
FIN FRAMES



GLASS TYPE 17

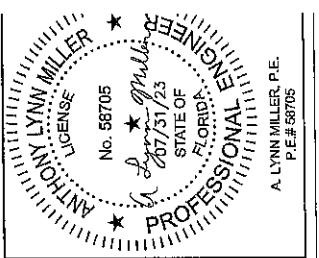
GLAZING NOTES:
A = ANNEALED
H = HEAT STRENGTHENED
T = TEMPERED
PVB = 0.060" TROSIFOL® PVB
BY KURARAY AMERICA, INC.
SG = 0.060" SENTRYGLASS® INTERLAYER BY KURARAY
AMERICA, INC.
FOR LAMINATED GLAZING COMPONENTS, SEE
TABLE 1, SHEET 2.



Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1800

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1800	REGISTRATION #29296	DATE 9/9/14
DRWN J. ROSOWSKI	REV 07/31/23	REV D
VINYL FIXED CASEMENT WINDOW NOA (LM)		
GLAZING DETAILS		
D) NO CHANGES THIS SHEET. - SB		
SHEET PW-5540	7 OF 13	MD-6540.0

PRODUCT REVISED
As complying with the Florida
Building Code
NOA No. 23-0816.04
Expiration Date: 09/24/2025
By: *Manuel J. Jara*
Miami-Dade Product Control



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

Window Design Pressure, (+/- psf)														7	
1/8" A Cap - Airspace - 5/16" A/A with PVB														Type:	
Window Dimensions	Long Side (in)													Use this table for Glass Type:	
	51.05	54	56	58	62	64	68	72	76	80	84	87			
18	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
20	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
22	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
24	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
26	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
28	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
30	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
32	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
46	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
48	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
51.05	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
Short Side (in)															
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4														MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4	
APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)														APPLIES TO E OR F ANCHORS (SEE TABLE 3)	
15"														4"	

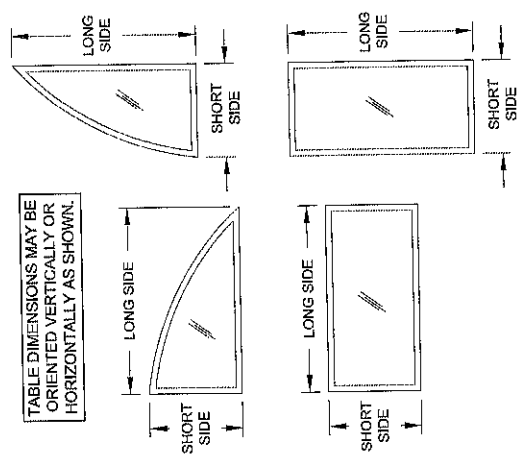


TABLE 5:

Window Design Pressure, (+/- psf)														8	
1/8" T Cap - Airspace - 5/16" A/A with PVB														Type:	
Window Dimensions	Long Side (in)													Use this table for Glass Type:	
	60.926	64	66	68	70	74	77	80	84	87	92	97	99		
32	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
46	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
48	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
52	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
54	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
56	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
58	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
60.926	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50		
Short Side (in)															
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4															
APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)															
15"															
MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4															
APPLIES TO E OR F ANCHORS (SEE TABLE 3)															
3.5" FOR E ANCHORS, 4" FOR F ANCHORS															

NOTES:

1) BUCK DIMENSIONS SHOWN.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

DESIGN PRESSURE TABLES A

VINYL FIXED CASEMENT WINDOW NOA (LM)

REGISTRATION #29296

PREPARED BY A. LYNN MILLER

1070 TECHNOLOGY DRIVE
N. VENICE FL 34276
(941) 480-1600

Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE FL 34276
(941) 480-1600

DATE: 09/9/14

DESIGNED BY: J. ROSOWSKI

ANTHONY LYNN MILLER

PROFESSIONAL ENGINEER

FLORIDA

STATE OF

09/17/21/23

No. 58705

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

PRODUCT REVISED

As complying with the Florida Building Code

NOA-No. 23-0816.04

Expiration Date: 09/24/2025

By: *Manuel J. Jara*

Miami-Jade Product Control

NO CHANGES, THIS SHEET.

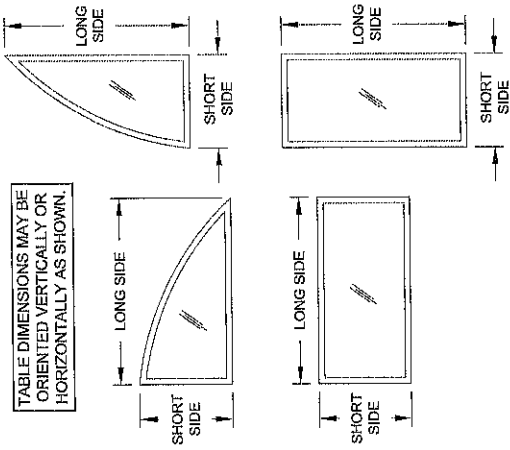
SB - 7/31/23

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

TABLE 6:

Window Design Pressure, (+/- psf)														Use this table for Glass Types:		9 & 10	
3/16" A Cap - Airspace - 5/16" A/A with PVB																	
3/16" T Cap - Airspace - 5/16" A/A with PVB																	
Window Dimensions	Long Side (in)																
	60, 926	64	66	68	70	74	77	80	84	87	92	97	99				
32	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
34	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
36	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
38	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
40	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
42	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
44	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
46	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
48	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
52	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
54	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
56	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
58	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
60, 926	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50	+/-50				
Short Side (in)																	
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4																	
APPLIES TO A, B, C OR D ANCHORS (SEE TABLE 2)																	
15"																	
MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																	
APPLIES TO E OR F ANCHORS (SEE TABLE 3)																	
3.5" FOR E ANCHORS, 4" FOR F ANCHORS																	



DI NO CHANGES, THIS SHEET. SB - 7/31/23

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.04
Expiration Date: 09/24/2025
By: *Manuel J. Jara*
Miami-Dade Product Control

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

REGISTRATION #29296

DATE 09/9/14

DESIGN PRESSURE TABLES B
J. ROSOWSKI

PGT
Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

ANTHONY LYNN MILLER
No. 58705
07/31/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

TABLE 7:

Window Design Pressure, (+/- psf)														Use this table for Glass Types:		11	
1/8" T Cap - Airspace - 7/16" A/A with PVB																	
Window Dimensions	Long Side (in)																
	60, 926	64	66	68	70	74	77	80	84	87	92	97	99				
32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
52	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
54	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
56	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
58	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
60, 926	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70				
Short Side (in)																	
MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4																	
APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)																	
15.5"																	
MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4																	
APPLIES TO F ANCHORS (SEE TABLE 3)																	
4"																	

- NOTES:
- 1) BUCK DIMENSIONS SHOWN.
 - 2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
 - 3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

Window Design Pressure, (+/- psf)															Use this table for Glass Types:	12
3/16" A Cap - Airspace - 7/16" A/A with PVB																
Window Dimensions	Long Side (in)														96	99
	69.649	71	73	75	78	80	85	86	89	92	96	99				
32	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
52	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
54	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
56	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
57	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
60	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
62	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
64	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
66	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
68	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
69.649	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70		
Short Side (in)																

Window Design Pressure, (+/- psf)													Use this table for Glass Type:		13
3/16" T Cap - Airspace - 7/16" A/A with PVB															
Window Dimensions	Long Side (in)												96	99	
	71	73	75	76	80	85	86	89	92	96	99				
32	69.649	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
34	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
36	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
38	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
40	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
42	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
44	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
46	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
48	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
50	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
52	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
54	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
56	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
57	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
60	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
62	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
64	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
66	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
68	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	
69.649	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	+/-70	

Short Side (in)

7173757680858689929699

MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4		MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4	
APPLIES TO 5, 6 CORD ANCHORS (SEE TABLE 2)		APPLIES TO 6 ANCHORS (SEE TABLE 3)	
15.5"		3.9"	

DESIGN PRESSURE TABLES C

VINYL FIXED CASEMENT WINDOW NOA (L.M.)

REGISTRATION #29296

PREPARED BY A. LYNN MILLER

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

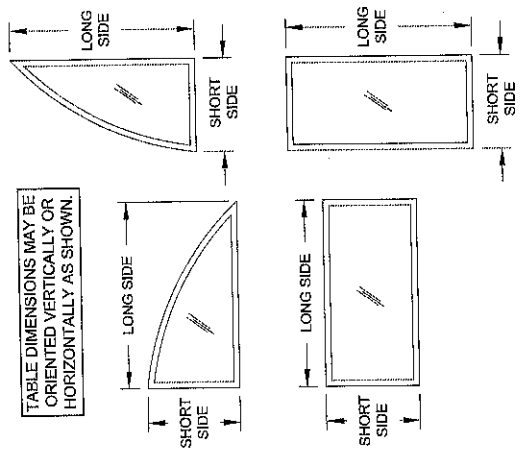
PGT

Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

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

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.04
Expiration Date: 09/24/2025
By: *Manuel J. Miller*
Miami-Dade Product Control

D) NO CHANGES,
THIS SHEET.
SB - 7/31/23



NOTES:

1) BUCK DIMENSIONS SHOWN.

2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.

3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

TABLE 10: Window Design Pressure, (+/- psf) 3/16" A Cap - Airspace - 7/16" A/A with SG

Window Dimensions		3/16" A Cap - Airspace - 7/16" A/A with SG											Type
		Long Side (in)											
		69.649	71	73	75	78	80	85	86	89	92	96	99
32		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
34		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-108.4	+80/-108.3	+80/-107.6
36		+80/-110	+80/-110	+80/-110	+80/-110	+80/-109.5	+80/-108.6	+80/-108.8	+80/-106.5	+80/-105.5	+80/-104.7	+80/-103.6	+80/-102.9
38		+80/-109.7	+80/-108.9	+80/-107.8	+80/-106.8	+80/-106.8	+80/-104.6	+80/-102.7	+80/-102.4	+80/-101.4	+80/-100.5	+80/-99.4	+80/-98.7
40		+80/-106.3	+80/-105.5	+80/-104.4	+80/-103.3	+80/-101.9	+80/-101	+80/-99.1	+80/-98.7	+80/-97.7	+80/-96.8	+80/-95.7	+80/-95
42		+80/-103.3	+80/-102.5	+80/-101.3	+80/-100.2	+80/-98.8	+80/-97.9	+80/-96.8	+80/-95.5	+80/-94.5	+80/-93.5	+80/-92.4	+80/-90.7
44		+80/-100.7	+80/-99.8	+80/-98.6	+80/-97.5	+80/-96	+80/-95	+80/-92.9	+80/-92.6	+80/-91.5	+80/-90.4	+80/-89.1	+80/-84.7
46		+80/-98.4	+80/-97.5	+80/-96.2	+80/-95	+80/-93.4	+80/-92.5	+80/-90.2	+80/-88	+80/-87.6	+80/-84.6	+80/-83.1	+80/-81.6
48		+80/-96.3	+80/-95.4	+80/-94.1	+80/-92.9	+80/-91.2	+80/-90.2	+80/-88.2	+80/-85.4	+80/-82.4	+80/-80.2	+80/-77.6	+78.6
50		+80/-94.6	+80/-93.6	+80/-92.2	+80/-90.9	+80/-89.2	+80/-88.2	+80/-85.4	+80/-82.4	+80/-80.2	+80/-78.1		
52		+80/-93	+80/-92	+80/-90.5	+80/-89.2	+80/-87.4	+80/-86.4	+80/-83.3	+80/-80.2				
54		+80/-91.7	+80/-90.6	+80/-89.1	+80/-87.7	+80/-85.8	+80/-84.7	+80/-81.3	+80/-80.4				
56		+80/-90.5	+80/-89.4	+80/-87.8	+80/-86.4	+80/-84.4	+80/-83.2	+80/-82					
57		+80/-90	+80/-88.8	+80/-87.2	+80/-85.8	+80/-83.4	+80/-82						
60		+80/-87.2	+80/-86	+80/-84	+80/-82.5	+80/-80.1							
62		+80/-84.6	+80/-83.8	+80/-82.1	+80/-80.4								
64		+80/-82.9	+80/-82	+80/-80.1	+80/-78.4								
66		+80/-81.1	+80/-80.1	+80/-78.3									
68		+80/-79.3	+80/-78.4										
69.649		+80/-77.7											
		Short Side (in)											
		69.649	71	73	75	78	80	85	86	89	92	96	99
32		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
34		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
36		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110
38		+80/-109.7	+80/-108.9	+80/-107.8	+80/-106.8	+80/-106.8	+80/-104.6	+80/-102.7	+80/-102.4	+80/-101.4	+80/-100.5	+80/-99.4	+80/-98.7
40		+80/-106.3	+80/-105.5	+80/-104.4	+80/-103.3	+80/-101.9	+80/-101	+80/-99.1	+80/-98.7	+80/-97.7	+80/-96.8	+80/-95.7	+80/-95
42		+80/-103.3	+80/-102.5	+80/-101.3	+80/-100.2	+80/-98.8	+80/-97.9	+80/-96.8	+80/-95.5	+80/-94.5	+80/-93.5	+80/-92.4	+80/-90.7
44		+80/-100.7	+80/-99.8	+80/-98.6	+80/-97.5	+80/-96	+80/-95	+80/-92.9	+80/-92.6	+80/-91.5	+80/-90.4	+80/-89.1	+80/-84.7
46		+80/-98.4	+80/-97.5	+80/-96.2	+80/-95	+80/-93.4	+80/-92.5	+80/-90.2	+80/-88	+80/-87.6	+80/-84.6	+80/-83.1	+80/-81.6
48		+80/-96.3	+80/-95.4	+80/-94.1	+80/-92.9	+80/-91.2	+80/-90.2	+80/-88.2	+80/-85.4	+80/-82.4	+80/-80.2	+80/-77.6	+78.6
50		+80/-94.6	+80/-93.6	+80/-92.2	+80/-90.9	+80/-89.2	+80/-88.2	+80/-85.4	+80/-82.4	+80/-80.2	+80/-78.1		
52		+80/-93	+80/-92	+80/-90.5	+80/-89.2	+80/-87.4	+80/-86.4	+80/-83.3	+80/-80.2				
54		+80/-91.7	+80/-90.6	+80/-89.1	+80/-87.7	+80/-85.8	+80/-84.7	+80/-81.3	+80/-80.4				
56		+80/-90.5	+80/-89.4	+80/-87.8	+80/-86.4	+80/-84.4	+80/-83.2	+80/-82					
57		+80/-90	+80/-88.8	+80/-87.2	+80/-85.8	+80/-83.4	+80/-82						
60		+80/-87.2	+80/-86	+80/-84	+80/-82.5	+80/-80.1							
62		+80/-84.6	+80/-83.8	+80/-82.1	+80/-80.4								
64		+80/-82.9	+80/-82	+80/-80.1	+80/-78.4								
66		+80/-81.1	+80/-80.1	+80/-78.3									
68		+80/-79.3	+80/-78.4										
69.649		+80/-77.7											
		MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4											
		MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4											
		APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)											
		NOT APPLICABLE											
		13.3"											

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:03 AM
BC-WNDR-25-0123
Jane Herrin

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.04
Expiration Date: 09/24/2025
By: *Manuel Jara*
Miami Jade Product Control

D) NO CHANGES,
THIS SHEET.
SB - 7/31/23

DESIGN PRESSURE TABLE E
J. ROSOWSKI
09/9/14

REGISTRATION #29286

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

PREPARED BY A. LYNN MILLER
VINYL FIXED CASEMENT WINDOW NOA (LM)
09/9/14

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/31/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

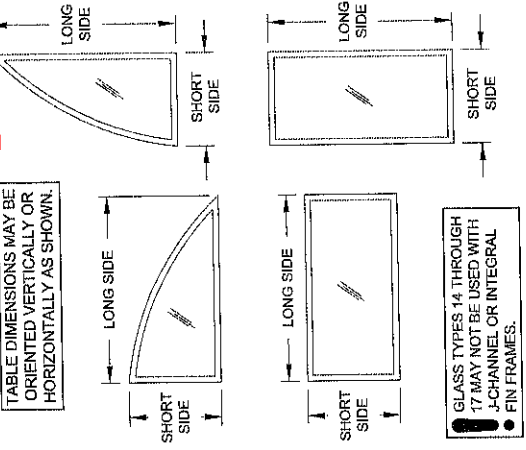


TABLE 12:		Window Design Pressure, (+/- psf)												16		
		1/8" T Cap - Airspace - 7/16" H/H with SG														
Window Dimensions	Short Side (in)	Long Side (in)												Use this table for Glass Type:		
		60.926	64	66	68	70	74	77	80	84	87	92	97			99
32		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
34		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
36		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
38		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
40		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
42		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
44		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
46		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
48		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
50		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
52		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
54		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
56		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
58		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
60.926		+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110			+80/-110
														MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4		
														MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4		
														APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)		
														11.8"		
														NOT APPLICABLE		

TABLE 13:		Window Design Pressure, (+/- psf)																						17	
		3/16" T Cap - Airspace - 7/16" H/H with SG																							
Window Dimensions	Short Side (in)	Long Side (in)																						Use this table for Glass Type:	
		77.76	79	81	83	86	87	91	94	96	99	104	107	111	116	120	125	136	144						
36	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
40	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
42	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
44	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
48	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
50	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
51	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
54	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
56	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
58	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
61	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
63	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
64	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
66	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
68	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
70	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
72	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
74	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
76	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
77.76	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110	+80/-110						
Short Side (in)																				MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4					
																				MAX. O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4					
																				APPLIES TO B, C OR D ANCHORS (SEE TABLE 2)					
																				9"					
																				NOT APPLICABLE					

NOTES:
1) BUCK DIMENSIONS SHOWN.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SHORT OR LONG DIMENSION.
3) FOR ARCHITECTURAL WINDOWS (SEE SHEET 2), FIND THE SMALLEST SQUARE WINDOW SIZE IN THE TABLE(S) ABOVE WHICH THE ARCHITECTURAL WINDOW WILL COMPLETELY FIT WITHIN.

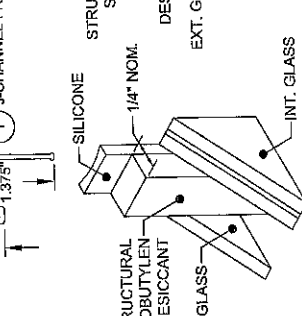
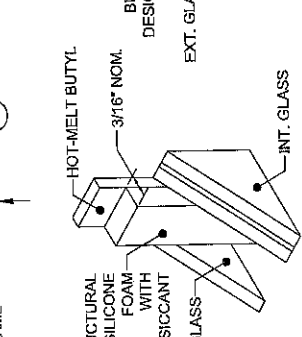
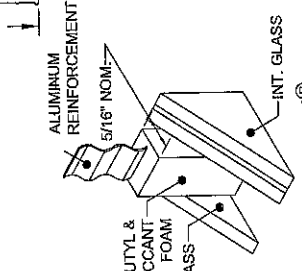
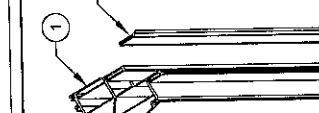
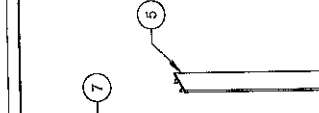
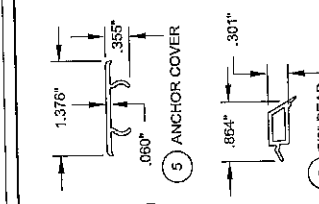
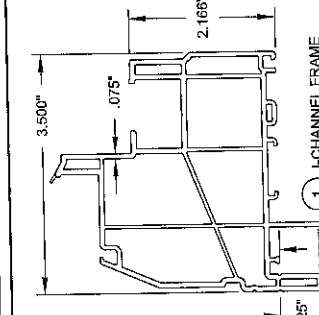
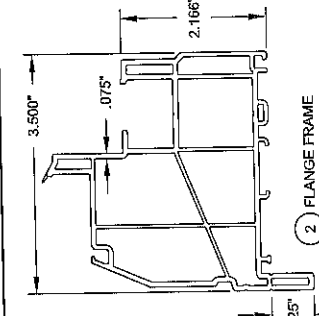
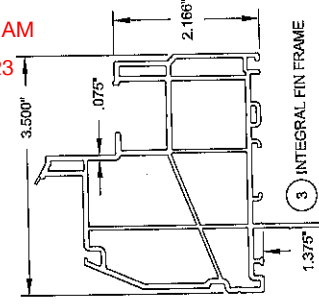
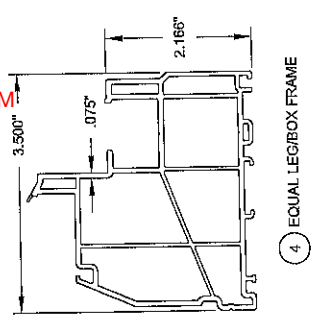
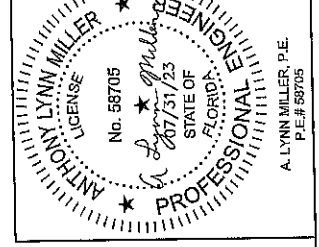
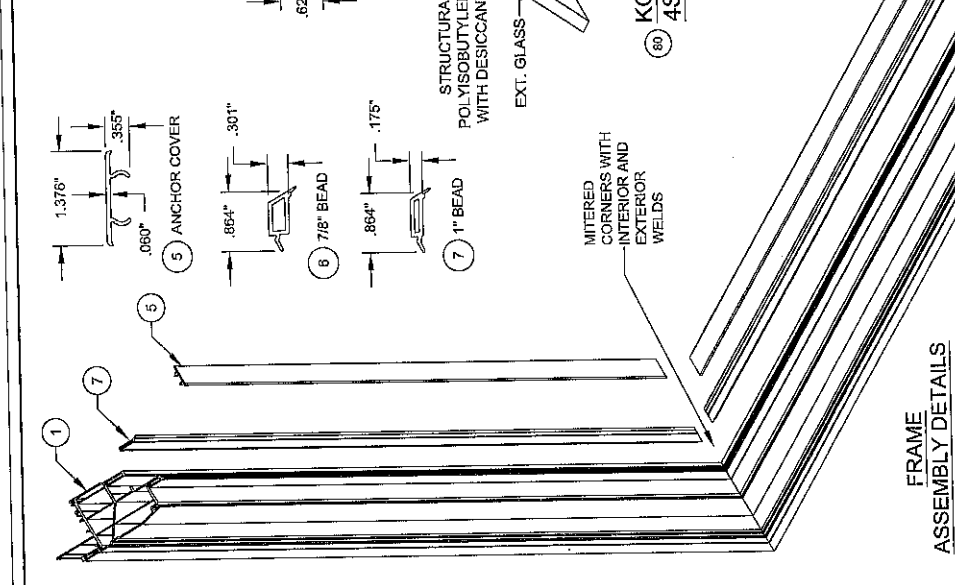
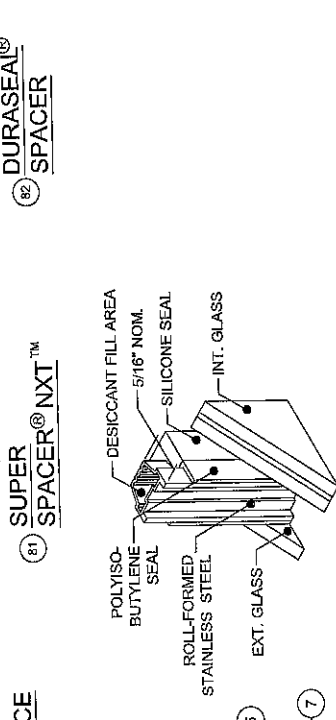


TABLE 14:

#	Part #	Description	Material
1	620139	J-channel Frame	PVC
2	620140	Flange Frame	PVC
3	620141	Integral Fin Frame	PVC
4	620142	Equal Leg/Box Frame	PVC
5	620133	Anchor Cover	PVC
6	720136	7/8" IG Glazing Bead	PVC
7	720135	1" IG Glazing Bead	PVC
74	71646N	Backbedding, GE 7/8" or Dow 791 or Dow 983	Silicone
78	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro.	PVC
90	20160A	Frame Assembly Tube	Alum. 6005-T5
91	20177	Shallow Flush Cap	PVC
92	20178	Deep Flush Cap	PVC
93	20132	Frame Assembly Tube End Cap	PVC



PGT Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 490-1600

REGISTRATION #29286

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

VINYL FIXED CASEMENT WINDOW NOA (LM) 9/9/14

BOM & ASSEMBLY J. ROSOWSKI

D) CHANGE EXTRUDER AT NOTE 4 07/31/23

TO VISION, SB

PW-5540 13 OF 13 MD-5540.0

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. 23-0816.04
Expiration Date: 09/24/2025
By: [Signature]
Miami-Dade Product Control

NOTES:
1) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
2) J-CHANNEL FRAME SHOWN, PART #1.
3) OTHER FRAME TYPES, PARTS #2 - 4, APPLY.
4) ITEMS # 8-73, 75-77 & 79 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL
5) PVC BY VISION EXTRUSION TO BE LABELED FOR AAMA EXTRUDER CODE.

Part #	Description	Material
80	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
81	Quarrex Super Spacer nXT with Hot Melt Butyl	
82	Quarrex Duraseal Spacer	
83	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8870



APPROVED

7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

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

APPROVED



FIRE MARSHAL'S OFFICE

25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

SCOPE:

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

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

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

DESCRIPTION: Series "PGT" Clipped Extruded Aluminum Tube Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. 6300JR, titled "Impact-Resistant Aluminum Tube Mullions", sheets 1 through 25 of 25, prepared by manufacturer, dated 08/29/11, with revision E dated 08/28/23, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

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

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

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

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

This NOA revises NOA20-0406.03 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.



S. Z.
10/26/2023

NOA No. 23-0913.05
Expiration Date: May 26, 2026
Approval Date: October 26, 2023
Page 1



7/2025, 12:14:49 PM

C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections. *(Submitted under NOA No. 10-0819.05)*
2. Drawing No. **6300JR**, titled "Impact-Resistant Aluminum Tube Mullions", sheets 1 through 25 of 25, dated 08/29/11, with revision **D** dated 06/26/2020, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of clipped aluminum mullions, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-6443** (samples A-1 thru E-1), dated 02/28/11, and addendum letter dated 05/05/11, signed and sealed by Marlin D. Brinson, P.E. *(Submitted under NOA No. 10-0819.05)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 6th Edition (2017)** and with **FBC 7th Edition (2020)**, prepared by manufacturer, dated 04/01/2020, signed and sealed by Anthony Lynn Miller, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

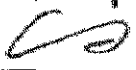
1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC-6th Edition (2017)** and **FBC-7th Edition (2020)**, dated 03/30/2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated 03/30/2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. **Notice of Acceptance No. 17-0630.01**, issued to PGT Industries, Inc. for their Series "PGT" Clipped Extruded Aluminum Tube Mullion – L.M.I., approved on 11/09/17 and expiring on 05/26/21.PGT Industries, Inc.


Sifang Zhao, P.E.

Product Control Examiner

NOA No. 23-0913.05

Expiration Date: May 26, 2026

Approval Date: October 26, 2023



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C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **6300JR**, titled "Impact-Resistant Aluminum Tube Mullions", sheets 1 through 25 of 25, dated 08/29/11, with revision **E** dated 08/28/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance to **FBC 7th Edition (2020)** and with **FBC 8th Edition (2023)**, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated 08/23/23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0406.03**, issued to PGT Industries, Inc. for their Series "**PGT**" **Clipped Extruded Aluminum Tube Mullion – L.M.I.**, approved on 08/20/20 and expiring on 05/26/26.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-0913.05
Expiration Date: May 26, 2026
Approval Date: October 26, 2023



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Dylan Calella



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Jane Herrin

GENERAL NOTES:

1) DETAILS SHOWN ARE FOR THE MULLION ONLY. ANCHORS SHOWN ARE IN ADDITION TO ANY ANCHORS REQUIRED FOR THE FENESTRATION PRODUCT INSTALLATION. TYPICAL APPLICATIONS ARE SHOWN. EACH SITUATION IS UNIQUE AND SHOULD BE EVALUATED BY AN EXPERIENCED INSTALLER FOR THE BEST INSTALLATION METHOD. OPTIONAL 1X OR 2X WOOD BUCKS IF USED, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS AND ARE TO BE DESIGNED BY OTHERS.

2) THE TYPE AND NUMBER OF ANCHORS IS CRITICAL TO THE STRUCTURAL PERFORMANCE OF THE MULLED UNITS. MULLIONS HAVE BEEN TESTED AS "FREE-FLOATING" AND DO NOT NEED TO BE DIRECTLY ATTACHED TO THE MULLION CLIPS, BUT SHALL NOT HAVE A GAP OF MORE THAN 1/4" FROM THE CLIP.

3) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. MULLIONS ARE CALCULATED TO DEFLECT NO MORE THAN L/180. THE 1/3 STRESS INCREASE WAS NOT USED IN THIS ANCHOR EVALUATION. THE 1.8 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF WOOD SCREWS.

4) PROPER SEALING OF ENTIRE ASSEMBLY IS THE RESPONSIBILITY OF OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) USE THE COMBINED WIDTH OR HEIGHT OF ONLY TWO ADJACENT FENESTRATION PRODUCTS TO DETERMINE PRESSURES AND ANCHORAGE FOR THE COMMON MULLION. SEE EXAMPLES ON THIS SHEET AND SHEET 21. FOR MULTIPLE UNITS, CONSIDER ONLY TWO ADJACENT UNITS AT A TIME WHEN USING THE DESIGN PRESSURE AND ANCHORAGE TABLES. THE LOWEST DESIGN PRESSURE OF MULTIPLE MULLIONS OR FENESTRATION PRODUCTS SHALL APPLY.

6) WHEN FINDING YOUR SIZE IN THE MULLION TABLES, ALWAYS ROUND UP TO THE NEXT SIZE SHOWN ON THE TABLE(S).

7) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE. ANCHORS SHALL BE COATED OR CORROSION RESISTANT AS APPROPRIATE FOR SUBSTRATE MATERIAL. DISSIMILAR MATERIALS SHALL BE PROTECTED AS REQUIRED TO PREVENT REACTIONS.

8) REFERENCE: TEST REPORTS: FTL-6443; DEWALT AGGRE-GATOR & ULTRACON+ NOA'S.

9) MULLIONS AND CLIPS HAVE BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, AND ARE APPROVED FOR IMPACT AND NON-IMPACT APPLICATIONS. MULLIONS ARE ONLY TO BE USED WITH PGT FENESTRATION PRODUCTS.

10) MULLIONS ARE IN COMPLIANCE FOR USE IN THE HVHZ.

11) QUANTITY OF UNITS WITHIN A MULTIPLE MULLED ASSEMBLY IS UNLIMITED PROVIDED THAT THE SPAN AND OPENING WIDTH/HEIGHT OF EACH INDIVIDUAL MULLION COMPLIES WITH THE REQUIREMENTS OF THIS NOA.

INSTRUCTIONS:

1) DETERMINE THE DESIGN PRESSURE REQUIREMENT (LBS/FT²) FOR THE OPENING USING THE ASCE-7 STANDARD.

2) CHOOSE A MULLION TYPE THAT WILL FIT THE DEPTH OF THE FENESTRATION PRODUCT'S FRAME DEPTH.

3) REFER TO SHEET 22 TO DETERMINE IF THE WIND LOADING IS "RECTANGULAR" OR "TRIANGULAR/TRAPEZOIDAL".

4) FIND THE CHOSEN MULLION'S MULLION CAPACITY (LBS/FT²) FROM TABLES 1A THROUGH 13A. ON SHEETS 5 THROUGH 17 RESPECTIVELY, USING THE MULLION TYPE, LENGTH AND OPENING WIDTH OR HEIGHT (DEPENDENT IF THE MULLION IS SPANNING VERTICALLY OR HORIZONTALLY). THE MULLION CAPACITY (LBS/FT²) OBTAINED SHALL MEET OR EXCEED THE DESIGN PRESSURE REQUIREMENT (LBS/FT²) FOR THE OPENING OBTAINED IN STEP 1).

5) FROM THE SAME TABLE USED IN STEP 4) ABOVE, FIND THE VALUE IN THE NEXT COLUMN ANCHOR CAPACITY REQUIRED (LBS). THIS VALUE REPRESENTS THE WINDLOAD TRANSFERRED TO THE SUBSTRATE BY THE ANCHORS AND MUST BE MET TO ATTAIN THE FULL MULLION CAPACITY.

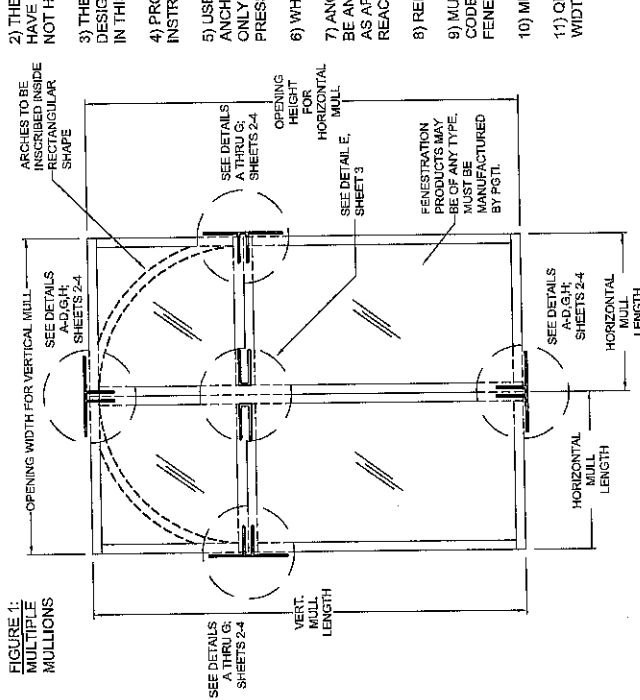
6) FROM THE ANCHOR CAPACITY (LBS) TABLE ON THE SAME SHEET AND USING YOUR ACTUAL SUBSTRATE CONDITION (MULTIPLE ANCHORS/SUBSTRATE/ANCHOR-CLIP PATTERN MAY APPLY) SELECT AN ANCHOR CLIP PATTERN AND VERIFY THAT THE REQUIRED ANCHOR CAPACITY IS MET.

7) IF THE MULLION CAPACITY (LBS/FT²) OBTAINED IN THE TABLE IS HIGHER THAN THE DESIGN PRESSURE REQUIREMENT (LBS/FT²) FOR THE OPENING, YOU MAY USE THE "ANCHOR CAPACITY ADJUSTMENT FORMULA" TO OBTAIN THE LOWER ANCHOR CAPACITY REQUIRED, WITH THIS VALUE A LOWER ANCHOR CAPACITY OPTION MAY BE SELECTED FOR THE SAME SUBSTRATE.

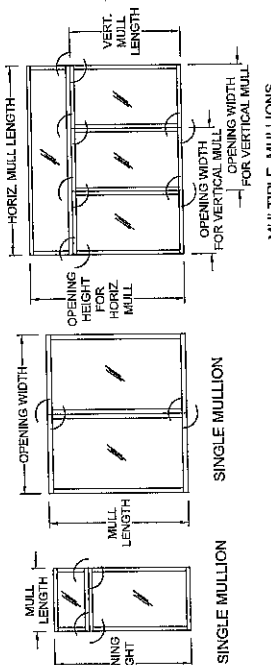
8) VERIFY THE DESIGN PRESSURE RATING (LBS/FT²) FOR THE FENESTRATION PRODUCT TO BE USED AND COMPARE WITH THE FINAL MULLION CAPACITY (LBS/FT²) OBTAINED FOR THE MULLION SYSTEM. THE LOWER OF THE TWO SHALL APPLY FOR THE ENTIRE MULLED FENESTRATION PRODUCT ASSEMBLY.

9) HIGHLIGHT OPTION USED AND TABLE VALUES USED IN A SPECIFIC APPLICATION WHEN USING THIS NOA TO APPLY FOR A PERMIT.

SUITABLE FOR ALL LOCATIONS REQUIRING NON-IMPACT OR LARGE AND SMALL MISSILE IMPACT-RESISTANT PRODUCTS



ADDITIONAL EXAMPLES OF MULL CONFIGURATIONS:



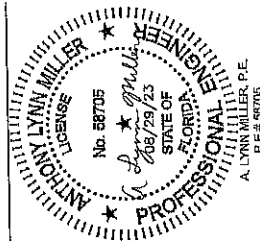
SEE CORRESPONDING DETAILS
FROM FIGURE 1 ABOVE.

CODES / STANDARDS USED:

- 2023 FLORIDA BUILDING CODE (FBC), 8TH EDITION
- 2020 FLORIDA BUILDING CODE (FBC), 7TH EDITION
- ANSI A634-8 PA NDS-2018 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2020
- AIISI S100-16
- AISC 360-16

PGT
IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
GENERAL NOTES AND ELEVATION
Drawing No. 6300JR
Checked By: J. ROSOWSKI
Date: 08/29/11
Scale: N/A
Revised: 08/28/23
Rev. By: J. ROSOWSKI
Date: 08/29/11
Description: IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
Sheet: 1 OF 22
Title: IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
Customer Windows and Doors
1070 TECHNOLOGY DRIVE
N. VINELAND, FL 34276
(941) 489-1600

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0913.05
Expiration Date 05/26/2026
By: Miami-Dade Product Control





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7/2025, 12:14:49 P

C-WNDR-25-0123

Dylan Calella

2/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

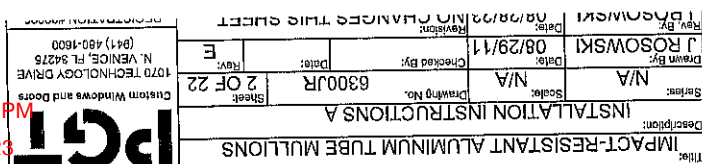
APPROVED



FIRE MARSHAL'S OFFICE

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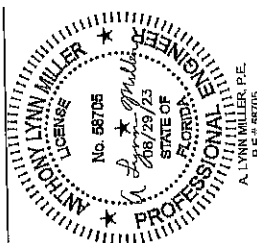
11



PRODUCT REVISED
as complying with the Florida
Building Code
23-0913.05
NQA-No.

Expiration Date 05/26/2026

By
Miami-Dade Product Control



MATERIAL PROPERTIES::		
Material	Min. F _y	Min. F _u
Steel Screw	92 ksi	120 ksi
18-8 Screw	60 ksi	95 ksi
1/4" Screw	90 ksi	110 ksi
DeWalt/Elco Aggre-Gator®	57 ksi	96 ksi
Elco UltraCon®	155 ksi	177 ksi
3/16" DeWalt UltraCon®	117 ksi	164 ksi
1/4" DeWalt UltraCon®	148 ksi	164 ksi
6063-15 Aluminum	18 ksi	22 ksi
A-36 Steel	36 ksi	58 ksi
A-36 Steel Stud	33 ksi	45 ksi

MATERIAL PROPERTIES::

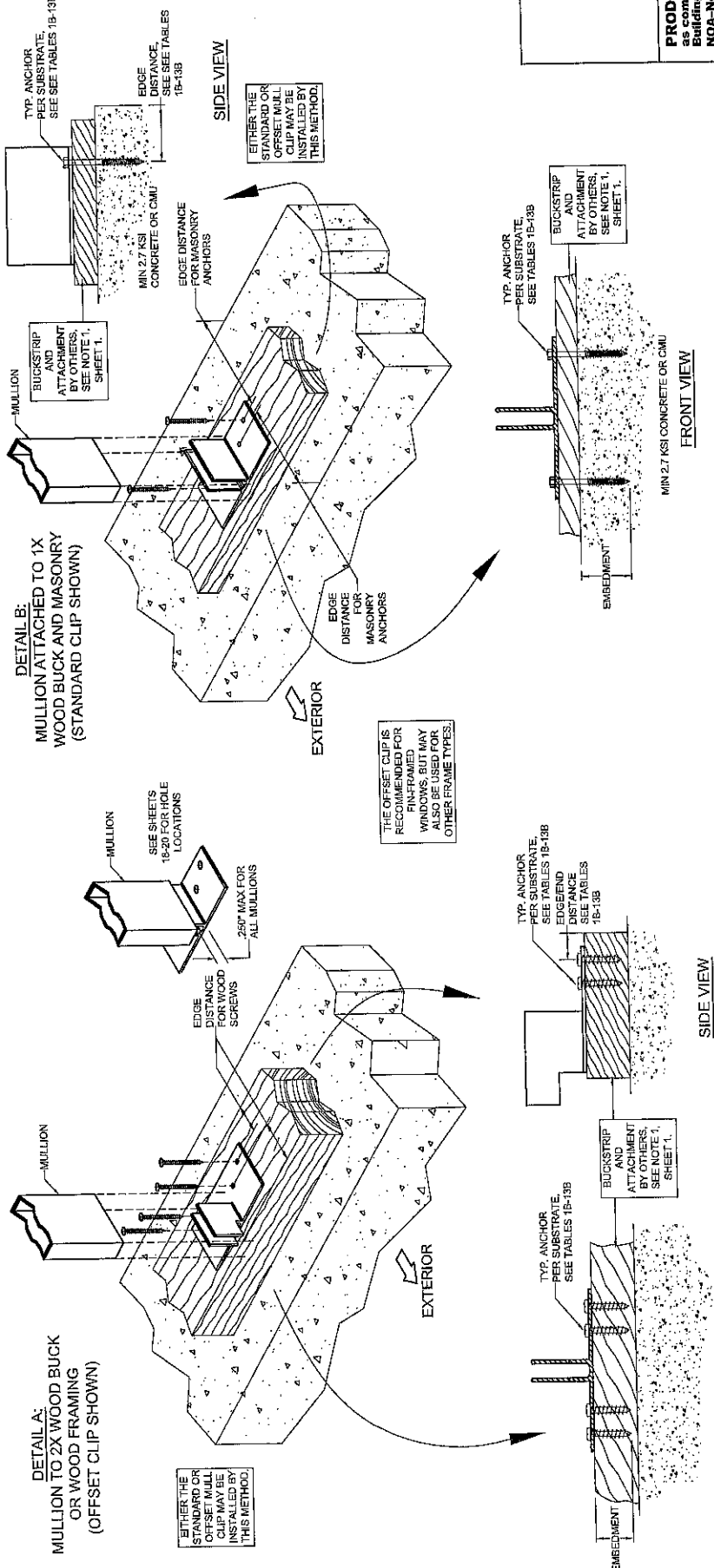
----- SUBSEQUENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

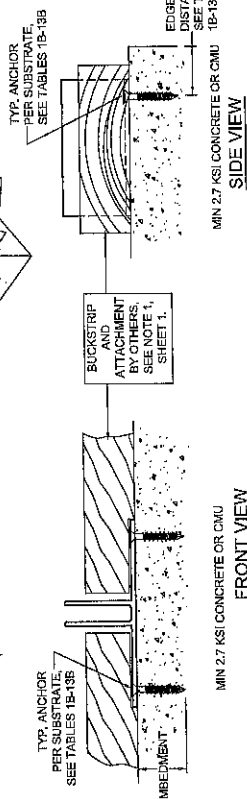
- 1) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR 3" MINIMUM.
- 2) QUANTITY OF ANCHORS AND MULLION SIZE SHOWN ABOVE ARE FOR PICTORIAL REPRESENTATION ONLY. BECAUSE THE ANCHOR CAPACITY IS BASED PARTLY ON THE ANCHOR TO ANCHOR DISTANCE, THE CORRECT QUANTITY AND LOCATION OF ANCHORS MUST BE FOLLOWED, REFER TO THE TABLES ON THE FOLLOWING SHEETS. FOR DETAILS A-D, SEE THE STANDARD OR OFFSET CLIP MAY BE USED.

ANCHOR HEAD TYPE MAY BE PANHEAD, HEXHEAD OR FLATHEAD.

1) WOOD BLOCKS ARE OPTIONAL, SEE DETAIL C, SHEET 3.

4) WOOD BUCKS ARE OPTIONAL, SEE DETAIL C, SHEET 3.
5) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED DEWALT ULTRACON+ OR DEWALT 1/4" S.S. AGGREGATOR MASONRY ANCHORS.







7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

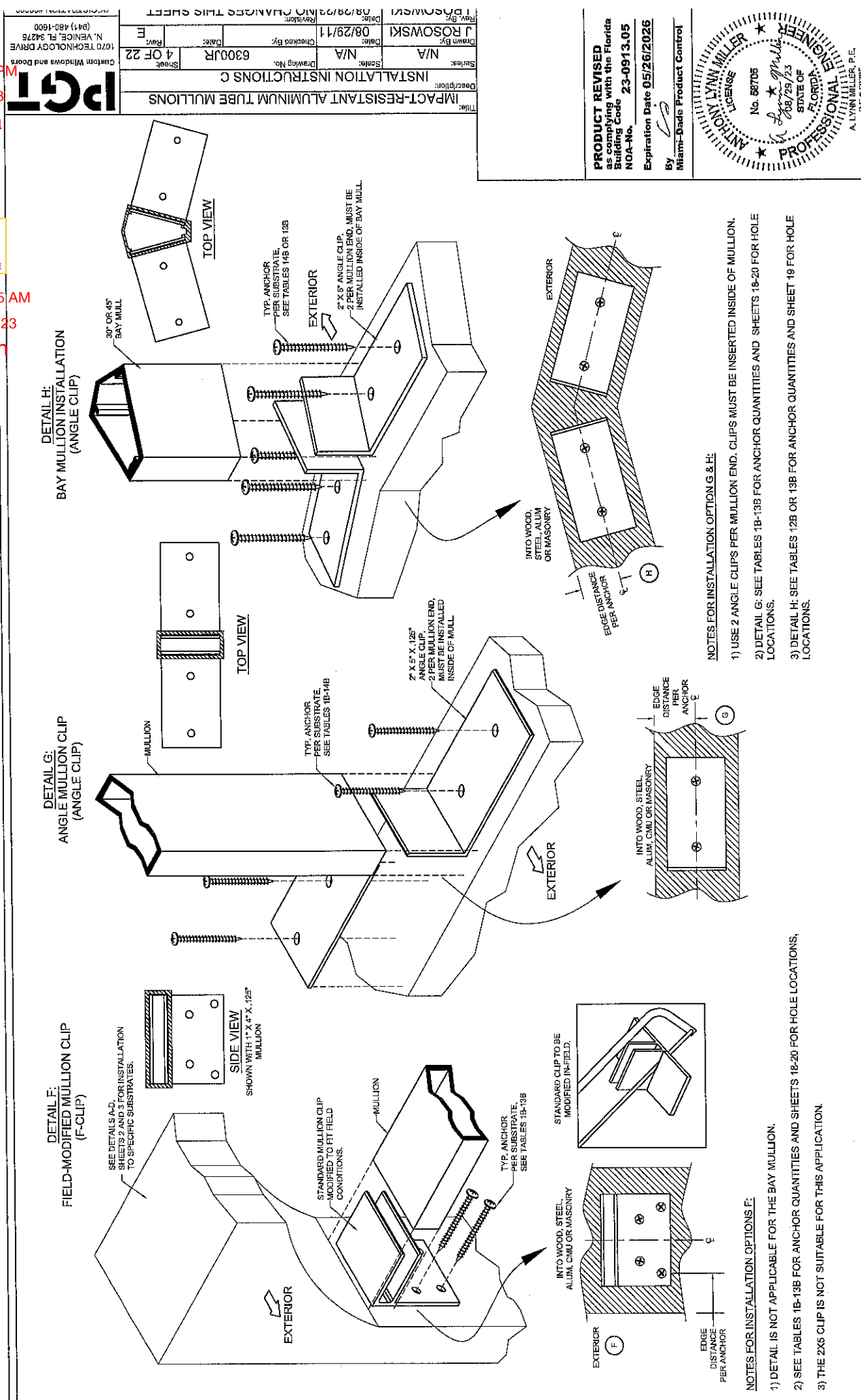
1/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

APPROVED



FIRE MARSHAL'S OFFICE

1/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

1070 TECHNOLOGY DRIVE
N. (941) 480-1800
CUSTOM WINDOW AND DOOR
PGT

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
1 X 2.75 X .375 MULL SPECS

Drawn By: J ROSOWSKI
Checked By: J ROSOWSKI
Date: 08/29/11
Scale: N/A
Drawing No: 6300JR
Sheet: 5 OF 22

**ANCHOR CAPACITY
ADJUSTMENT FORMULA:**

$(DP_{\text{req}}) \times (\text{ANCHOR CAP. FROM TABLE}) = \text{ANCHOR CAP.}_{\text{req}}$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY REQUIRED" CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE) OF THE SELECTED MULLION. IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR CAPACITY TABLE.

Mullion Length	Mullion Capacity Table (lb/ft²)																	
	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)																	
	90 in		60 in		70 in		80 in		90 in		100 in		120 in		140 in		160 in	
	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading	Rectangular Loading	Trap/Triang. Loading
42 in	170.0	620	170.0	435	170.0	478	170.0	568	170.0	519	170.0	521	170.0	521	170.0	521	170.0	521
46 in	170.0	708	170.0	524	170.0	584	170.0	692	170.0	630	170.0	631	170.0	631	170.0	631	170.0	631
50 in	170.0	747	170.0	563	170.0	631	170.0	725	170.0	664	170.0	664	170.0	664	170.0	664	170.0	664
54 in	170.0	787	170.0	612	170.0	691	170.0	797	170.0	736	170.0	736	170.0	736	170.0	736	170.0	736
58 in	170.0	827	170.0	652	170.0	735	170.0	851	170.0	780	170.0	780	170.0	780	170.0	780	170.0	780
62 in	170.0	867	170.0	692	170.0	779	170.0	897	170.0	820	170.0	820	170.0	820	170.0	820	170.0	820
66 in	170.0	907	170.0	732	170.0	819	170.0	939	170.0	862	170.0	862	170.0	862	170.0	862	170.0	862
70 in	170.0	947	170.0	772	170.0	860	170.0	981	170.0	904	170.0	904	170.0	904	170.0	904	170.0	904
74 in	170.0	987	170.0	812	170.0	901	170.0	1023	170.0	946	170.0	946	170.0	946	170.0	946	170.0	946
78 in	170.0	1027	170.0	852	170.0	942	170.0	1065	170.0	988	170.0	988	170.0	988	170.0	988	170.0	988
82 in	170.0	1067	170.0	892	170.0	983	170.0	1109	170.0	1029	170.0	1029	170.0	1029	170.0	1029	170.0	1029
86 in	170.0	1107	170.0	932	170.0	1024	170.0	1155	170.0	1070	170.0	1070	170.0	1070	170.0	1070	170.0	1070
90 in	170.0	1147	170.0	972	170.0	1065	170.0	1207	170.0	1110	170.0	1110	170.0	1110	170.0	1110	170.0	1110
94 in	170.0	1187	170.0	1012	170.0	1102	170.0	1259	170.0	1152	170.0	1152	170.0	1152	170.0	1152	170.0	1152
98 in	170.0	1227	170.0	1052	170.0	1143	170.0	1311	170.0	1194	170.0	1194	170.0	1194	170.0	1194	170.0	1194
102 in	170.0	1267	170.0	1092	170.0	1184	170.0	1363	170.0	1236	170.0	1236	170.0	1236	170.0	1236	170.0	1236
106 in	170.0	1307	170.0	1132	170.0	1225	170.0	1415	170.0	1278	170.0	1278	170.0	1278	170.0	1278	170.0	1278
110 in	170.0	1347	170.0	1172	170.0	1266	170.0	1467	170.0	1320	170.0	1320	170.0	1320	170.0	1320	170.0	1320
114 in	170.0	1387	170.0	1212	170.0	1307	170.0	1519	170.0	1362	170.0	1362	170.0	1362	170.0	1362	170.0	1362
118 in	170.0	1427	170.0	1252	170.0	1348	170.0	1571	170.0	1404	170.0	1404	170.0	1404	170.0	1404	170.0	1404
122 in	170.0	1467	170.0	1292	170.0	1389	170.0	1623	170.0	1446	170.0	1446	170.0	1446	170.0	1446	170.0	1446
126 in	170.0	1507	170.0	1332	170.0	1430	170.0	1675	170.0	1488	170.0	1488	170.0	1488	170.0	1488	170.0	1488
130 in	170.0	1547	170.0	1372	170.0	1471	170.0	1727	170.0	1530	170.0	1530	170.0	1530	170.0	1530	170.0	1530
134 in	170.0	1587	170.0	1412	170.0	1512	170.0	1779	170.0	1572	170.0	1572	170.0	1572	170.0	1572	170.0	1572
138 in	170.0	1627	170.0	1452	170.0	1553	170.0	1831	170.0	1614	170.0	1614	170.0	1614	170.0	1614	170.0	1614
142 in	170.0	1667	170.0	1492	170.0	1594	170.0	1883	170.0	1656	170.0	1656	170.0	1656	170.0	1656	170.0	1656
146 in	170.0	1707	170.0	1532	170.0	1635	170.0	1935	170.0	1698	170.0	1698	170.0	1698	170.0	1698	170.0	1698
150 in	170.0	1747	170.0	1572	170.0	1676	170.0	1987	170.0	1740	170.0	1740	170.0	1740	170.0	1740	170.0	1740
154 in	170.0	1787	170.0	1612	170.0	1717	170.0	2039	170.0	1782	170.0	1782	170.0	1782	170.0	1782	170.0	1782
158 in	170.0	1827	170.0	1652	170.0	1758	170.0	2091	170.0	1824	170.0	1824	170.0	1824	170.0	1824	170.0	1824
162 in	170.0	1867	170.0	1692	170.0	1799	170.0	2143	170.0	1866	170.0	1866	170.0	1866	170.0	1866	170.0	1866
166 in	170.0	1907	170.0	1732	170.0	1840	170.0	2195	170.0	1908	170.0	1908	170.0	1908	170.0	1908	170.0	1908
170 in	170.0	1947	170.0	1772	170.0	1881	170.0	2247	170.0	1950	170.0	1950	170.0	1950	170.0	1950	170.0	1950
174 in	170.0	1987	170.0	1812	170.0	1922	170.0	2299	170.0	1992	170.0	1992	170.0	1992	170.0	1992	170.0	1992
178 in	170.0	2027	170.0	1852	170.0	1963	170.0	2351	170.0	2034	170.0	2034	170.0	2034	170.0	2034	170.0	2034
182 in	170.0	2067	170.0	1892	170.0	2004	170.0	2403	170.0	2076	170.0	2076	170.0	2076	170.0	2076	170.0	2076
186 in	170.0	2107	170.0	1932	170.0	2045	170.0	2455	170.0	2118	170.0	2118	170.0	2118	170.0	2118	170.0	2118
190 in	170.0	2147	170.0	1972	170.0	2086	170.0	2507	170.0	2160	170.0	2160	170.0	2160	170.0	2160	170.0	2160
194 in	170.0	2187	170.0	2012	170.0	2127	170.0	2559	170.0	2202	170.0	2202	170.0	2202	170.0	2202	170.0	2202
198 in	170.0	2227	170.0	2052	170.0	2168	170.0	2611	170.0	2244	170.0	2244	170.0	2244	170.0	2244	170.0	2244
202 in	170.0	2267	170.0	2092	170.0	2209	170.0	2663	170.0	2286	170.0	2286	170.0	2286	170.0	2286	170.0	2286
206 in	170.0	2307	170.0	2132	170.0	2250	170.0	2715	170.0	2328	170.0	2328	170.0	2328	170.0	2328	170.0	2328
210 in	170.0	2347	170.0	2172	170.0	2291	170.0	2767	170.0	2370	170.0	2370	170.0	2370	170.0	2370	170.0	2370
214 in	170.0	2387	170.0	2212	170.0	2332	170.0	2819	170.0	2412	170.0	2412	170.0	2412	170.0	2412	170.0	2412
218 in	170.0	2427	170.0	2252	170.0	2373	170.0	2871	170.0	2454	170.0	2454	170.0	2454	170.0	2454	170.0	2454
222 in	170.0	2467	170.0	2292	170.0	2414	170.0	2923	170.0	2496	170.0	2496	170.0	2496	170.0	2496	170.0	2496
226 in	170.0	2507	170.0	2332	170.0	2455	170.0	2975	170.0	2538	170.0	2538	170.0	2538	170.0	2538	170.0	2538
230 in	170.0	2547	170.0	2372	170.0	2496	170.0	3027	170.0	2580	170.0	2580	170.0	2580	170.0	2580	170.0	2580
234 in	170.0	2587	170.0	2412	170.0	2537	170.0	3079	170.0	2622	170.0	2622	170.0	2622	170.0	2622	170.0	2622
238 in	170.0	2627	170.0	2452	170.0	2578	170.0	3131	170.0	2664	170.0	2664	170.0	2664	170.0	2664	170.0	2664
242 in	170.0	2667	170.0	2492	170.0	2619	170.0	3183	170.0	2706	170.0	2706	170.0	2706	170.0	2706	170.0	2706
246 in	170.0	2707	170.0	2532	170.0	2660	170.0	3235	170.0	2748	170.0	2748	170.0	2748	170.0	2748	170.0	2748
250 in	170.0	2747	170.0	2572	170.0	2701	170.0	3287	170.0	2790	170.0	2790	170.0	2790	170.0	2790	170.0	2790
254 in	170.0	2787	170.0	2612	170.0	2742	170.0	3339	170.0	2832	170.0	2832	170.0	2832	170.0	2832	170.0	2832
258 in	170.0	2827	170.0	2652	170.0	2783	170.0	3391	170.0	2874	170.0	2874	170.0	2874	170.0	2874	170.0	2874
262 in	170.0	2867	170.0	2692	170.0	2824	170.0	3443	170.0	2916	170.0	2916	170.0	2916	170.0	2916	170.0	2916
266 in	170.0	2907	170.0	2732	170.0	2865	170.0	3495	170.0	2958	170.0	2958	170.0	2958	170.0	2958	170.0	2958
270 in	170.0	2947	170.0	2772	170.0	2906	170.0	3547	170.0	3000	170.0	3000	170.0	3000	170.0	3000	170.0	3000
274 in	170.0	2987	170.0	2812	170.0	2947	170.0	3599	170.0	3042	170.0	3042	170.0	3042	170.0	3042	170.0	3042
278 in	170.0	3027	170.0	2852	170.0	2988	170.0	3651	170.0	3084	170.0	3084	170.0	3084	170.0	3084	170.0	3084
282 in	170.0	3067	170.0	2892	170.0	3029	170.0	3703	170.0	3126	170.0	3126	170.0	3126	170.0	3126	170.0	3126
286 in	170.0	3107	170.0	2932	170.0	3070	170.0	3755	170.0	3168	170.0	3168	170.0	3168	170.0	3168	170.0	3168
290 in	170.0	3147	170.0	2972	170.0	3111	170.0	3807	170.0	3210	170.0	3210	170.0	3210	170.0	3210	170.0	3210
294 in	170.0	3187	170.0	3012	170.0	3152	170.0	3859	170.0	3252	170.0							



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7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella



2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

1 X 2.75 X .650 MULL. SPECS
IMPACT-RESISTANT ALUMINUM TUBE MULLIONS

Drawn By: J. ROSOWSKI
Date: 08/29/11
Checked By: N/A
Scale: N/A
Drawing No. 6300JR
Sheet: 6 OF 22
Customer: Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENUS, FL 34275
(841) 380-1600

ANCHOR CAPACITY
ADJUSTMENT FORMULA:

$$(DP_{adj}) \times \left(\frac{\text{ANCHOR CAP. (MINIMUM)}}{\text{ANCHOR CAP. (MAXIMUM)}} \right) = \text{ANCHOR CAP. (ADJUSTED)}$$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY REQUIRED" CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING. WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE), IT WILL SELECTED MULLION. IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

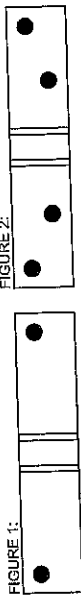
TABLE 2A
Mullion Capacity Table (for horizontally-spacing mullions)

Mullion Length	Opening Width (for vertically-spacing mullions) or Opening Height (for horizontally-spacing mullions)											
	50 in	60 in	70 in	80 in	90 in	100 in	110 in	120 in	130 in	140 in	150 in	160 in
1 x 2.75 x .650 Alum. Tube Mullion	Rectangular Loading	Trap/Flang. Loading	Rectangular Loading	Trap/Flang. Loading	Rectangular Loading	Trap/Flang. Loading	Rectangular Loading	Trap/Flang. Loading	Rectangular Loading	Trap/Flang. Loading	Rectangular Loading	Trap/Flang. Loading
	Anchor Capacity (lbs)	Mullion Capacity (lbs)	Anchor Capacity (lbs)	Mullion Capacity (lbs)	Anchor Capacity (lbs)	Mullion Capacity (lbs)	Anchor Capacity (lbs)	Mullion Capacity (lbs)	Anchor Capacity (lbs)	Mullion Capacity (lbs)	Anchor Capacity (lbs)	Mullion Capacity (lbs)
42 in	170.0	620	170.0	478	170.0	478	170.0	478	170.0	478	170.0	478
48 in	170.0	708	170.0	564	170.0	564	170.0	564	170.0	564	170.0	564
50.625 in	170.0	747	170.0	591	170.0	591	170.0	591	170.0	591	170.0	591
54 in	170.0	797	170.0	631	170.0	631	170.0	631	170.0	631	170.0	631
58 in	170.0	885	170.0	701	170.0	701	170.0	701	170.0	701	170.0	701
63 in	151.8	830	161.9	710	128.5	830	138.9	694	106.5	830	138.9	694
66 in	131.1	757	140.0	650	110.0	757	119.8	639	94.3	757	119.8	639
72 in	101.7	639	105.8	552	84.8	639	88.8	540	66.7	639	88.8	540
76 in	88.5	571	90.4	498	72.1	571	76.8	468	57.1	571	76.8	468
78 in	80.0	542	83.4	467	66.7	542	70.8	435	54.2	542	70.8	435
80 in	72.1	507	75.7	434	60.4	507	64.5	404	49.8	507	64.5	404
86 in	52.1	407	55.7	351	43.4	407	47.8	324	37.2	407	47.8	324
96 in	42.9	358	44.1	320	35.8	358	37.2	314	30.7	358	37.2	314
108 in	30.1	283	30.8	255	25.1	283	25.9	251	21.5	283	25.9	251
111 in	27.8	267	28.3	242	23.1	267	23.8	238	19.8	267	23.8	238
120 in	22.0	229	23.8	209	18.3	229	18.8	205	15.7	229	18.8	205

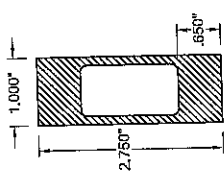
Anchor Capacity (lbs)	Substrate											
	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete	3x Concrete
Anchor Capacity (lbs)	3/16" DeWalt Ultracore	1/4" DeWalt Ultracore	3/16" DeWalt Ultracore	1/4" DeWalt Ultracore	3/16" DeWalt Ultracore	1/4" DeWalt Ultracore	3/16" DeWalt Ultracore	1/4" DeWalt Ultracore	3/16" DeWalt Ultracore	1/4" DeWalt Ultracore	3/16" DeWalt Ultracore	1/4" DeWalt Ultracore
	Edge Distance (in)	Embedment (in)	Edge Distance (in)	Embedment (in)	Edge Distance (in)	Embedment (in)	Edge Distance (in)	Embedment (in)	Edge Distance (in)	Embedment (in)	Edge Distance (in)	Embedment (in)
2 Anchors @ 4.75" Min. O.C. / Standard or Offset Clip (Fig. 1)	310 lbs	134"	310 lbs	134"	310 lbs	134"	310 lbs	134"	310 lbs	134"	310 lbs	134"
4 Anchors @ 1.15" Min. O.C. / Standard or Offset Clip (Fig. 2)	320 lbs	134"	320 lbs	134"	320 lbs	134"	320 lbs	134"	320 lbs	134"	320 lbs	134"
4 Anchors @ 3" Min. O.C. / 2x Angle Clips (Fig. 3)	620 lbs	1260 lbs	620 lbs	1260 lbs	620 lbs	1260 lbs	620 lbs	1260 lbs	620 lbs	1260 lbs	620 lbs	1260 lbs
2 Anchors @ 0.45" Min. O.C. / U-Clip into 125" Alum. (Fig. 4)	N/A	315 lbs	N/A	315 lbs	N/A	315 lbs	N/A	315 lbs	N/A	315 lbs	N/A	315 lbs
1 Anchor / F-Clip (Fig. 5)	155 lbs	110 lbs	155 lbs	110 lbs	155 lbs	110 lbs	155 lbs	110 lbs	155 lbs	110 lbs	155 lbs	110 lbs
2 Anchors @ 1.15" Min. O.C. / F-Clip (Fig. 6)	160 lbs	630 lbs	160 lbs	630 lbs	160 lbs	630 lbs	160 lbs	630 lbs	160 lbs	630 lbs	160 lbs	630 lbs

NOTE: FOR THE OFFSET CLIP, USE THE SAME ANCHOR PATTERN AND ANCHOR VALUES AS THE STANDARD CLIP.

TABLE 2B
Anchor Capacity (lbs)



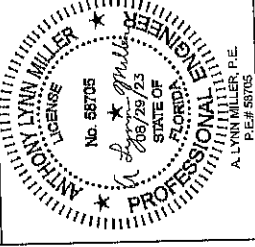
- TABLE NOTES:
- SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 24 FOR GENERAL INSTALLATION METHODS.
 - LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.
 - MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.
 - SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T6 AND BE A MINIMUM OF .125" THICK. STEEL STUDS TO BE A MINIMUM GRADE 33 AND .045" THICK (18 GAUGE). STRUCTURAL STEEL TO BE AT LEAST .125" THICK AND A36. ALL ANCHORS INTO METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BEYOND THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-8 S.S. OR 410 S.S.



1" X 2.75" X .650" MULLION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0913.05
Expiration Date 05/26/2026

By: [Signature]
Miami-Dade Product Control



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1600

Custom Windows and Doors

Sheet: 7 OF 22
Drawing No.: 6300JR
Checked By: [Signature]
Date: 08/29/11
Revised: 08/29/11
Revised: 08/29/11

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
1" X 3.125" X .5" MULL SPECS

Scale: N/A
Series: N/A
Description: 1" X 3.125" X .5" MULL SPECS

Drawn By: J ROSOWSKI
Date: 08/29/11
Revised: 08/29/11
Revised: 08/29/11

**ANCHOR CAPACITY
ADJUSTMENT FORMULA:**

$(DP_{min}) \times \left(\frac{ANCHOR CAP_{(max)}}{ANCHOR CAP_{(min)}} \right)$

= ANCHOR CAP_{min}

USE THIS FORMULA TO OBTAIN
THE ANCHOR CAPACITY
REQUIRED CORRESPONDING
TO AN ACTUAL PRESSURE
REQUIRING, WHEN IT IS LOWER
THAN THE MULLION CAPACITY
(FROM THE TABLE) OF THE
SELECTED MULLION. IT WILL
YIELD A MINIMUM ANCHOR
CAPACITY WHICH MAY BE
USED TO QUALIFY ADDITIONAL
ANCHOR OPTIONS FROM THE
ANCHOR CAPACITY TABLE.

Mullion Length	Opening Width for vertically-spanning mullions or Opening Height for horizontally-spanning mullions											
	50 in			60 in			70 in			80 in		
	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading
42 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
44 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
46 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
48 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
50 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
52 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
54 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
56 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
58 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
60 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
62 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
64 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
66 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
68 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
70 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
72 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
74 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
76 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
78 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
80 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
82 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
84 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
86 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
88 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
90 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
92 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
94 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
96 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
98 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
100 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
102 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
104 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
106 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
108 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
110 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
112 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
114 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
116 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
118 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
120 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 460-1600

Custom Windows and Doors

Sheet: 7 OF 22
Drawing No.: 6300JR
Checked By: [Signature]
Date: 08/29/11
Revised: 08/29/11
Revised: 08/29/11

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
1" X 3.125" X .5" MULL SPECS

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Drawn By: J ROSOWSKI
Date: 08/29/11
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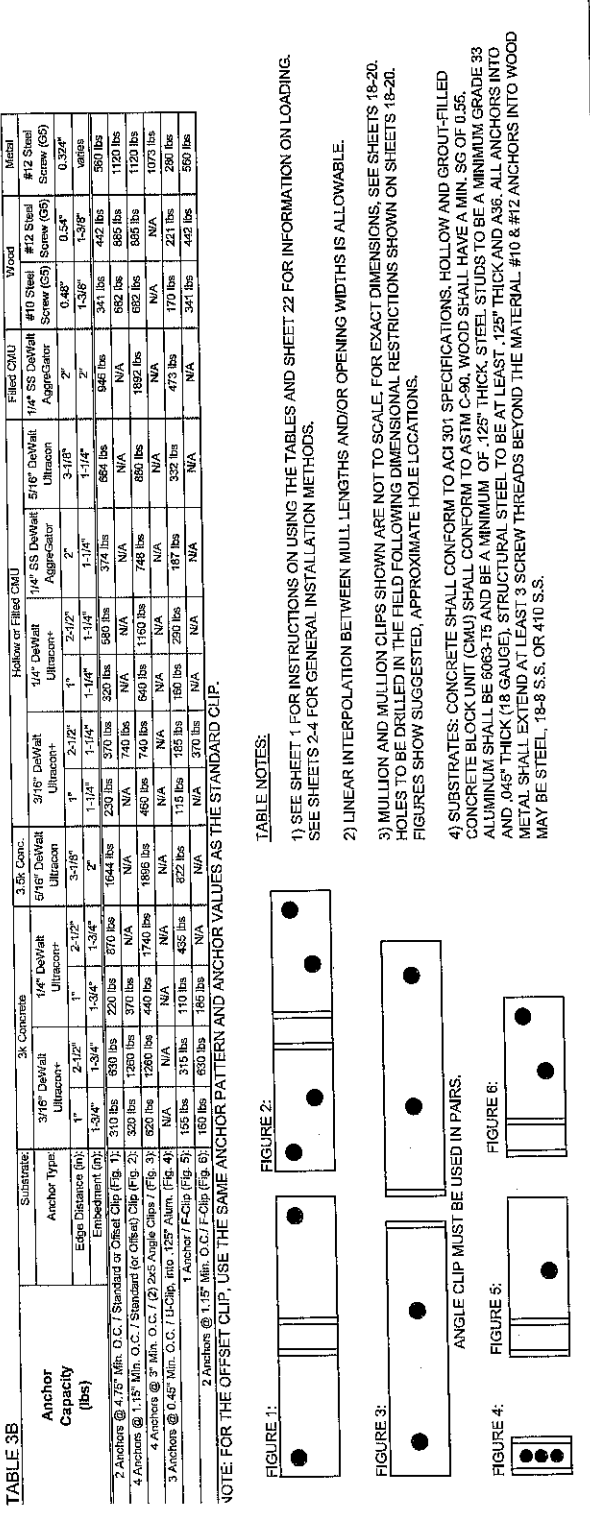
PRODUCT REVISED
as complying with the Florida
Building Code 23-0913.05
NOA-No.

Expiration Date 05/26/2026

By [Signature]
Miami-Base Product Control

ANTHONY LYNN MILLER
No. 58705
08/29/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 88705

Anchor Capacity (lbs)	Opening Width for vertically-spanning mullions or Opening Height for horizontally-spanning mullions											
	50 in			60 in			70 in			80 in		
	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading
42 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
44 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
46 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
48 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
50 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
52 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
54 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
56 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
58 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
60 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
62 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
64 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
66 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
68 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
70 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
72 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
74 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
76 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
78 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
80 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
82 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
84 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
86 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
88 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
90 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
92 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
94 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
96 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
98 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
100 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
102 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
104 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
106 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
108 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
110 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
112 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
114 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
116 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
118 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519
120 in	170.0	520	170.0	435	170.0	478	170.0	586	170.0	682	170.0	519



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

TABLE 4A

Opening Width (for vertically-spacing mullions) or Opening Height (for horizontally-spacing mullions)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1 x 4 x .125 Alum. Tube Mullion	50 in		60 in		70 in		80 in		90 in		100 in		120 in		140 in		160 in																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading	Rectangular Loading	Triparting Loading																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
42 in	170.0	650	170.0	435	170.0	744	170.0	506	170.0	992	170.0	519	170.0	1116	170.0	821	170.0	1240	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170.0	521	170.0	1488	170

TABLE 4B

Anchor Capacity (lbs)	Substrate		3K Concrete		5/8" DeWalt Ultracon		Hollow or Filled CMU		Filled CMU		Wood		Metal	
	Anchor Type	Embedment (in)	3/16" DeWalt Ultracon	1/4" DeWalt Ultracon	5/16" DeWalt Ultracon	5/8" DeWalt Ultracon	1/4" DeWalt Ultracon	5/16" DeWalt Ultracon	5/8" DeWalt Ultracon	1/4" DeWalt Ultracon	5/16" DeWalt Ultracon	5/8" DeWalt Ultracon	1/4" DeWalt Ultracon	5/8" DeWalt Ultracon
2 Anchors @ 4.75" Min. O.C. / Standard or Offset Clip (Fig. 12)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 2.25" Min. O.C. / Standard or Offset Clip (Fig. 12)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 1.15" Min. O.C. / Standard or Offset Clip (Fig. 12)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 3" Min. O.C. / (2) 2x5 Angle Clips / (Fig. 5)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 3" Min. O.C. / (2) 2x5 Angle Clips / (Fig. 5)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 0.45" Min. O.C. / (2) 2x5 Angle Clips / (Fig. 5)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 2.25" Min. O.C. / F-Clip (Fig. 6)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"
4 Anchors @ 1.15" Min. O.C. / F-Clip (Fig. 6)	Edge Distance (in)	Embedment (in)	1"	1-1/4"	1-1/2"	1-3/4"	1"	1-1/4"	1-1/2"	1"	1-1/4"	1-1/2"	1"	1-1/4"
			134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"	134"

NOTE: FOR THE OFFSET CLIP, USE THE SAME ANCHOR PATTERN AND ANCHOR VALUES AS THE STANDARD CLIP.

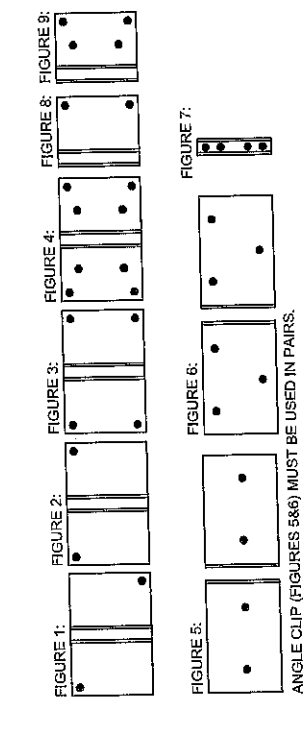


TABLE NOTES:

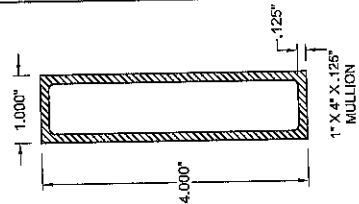
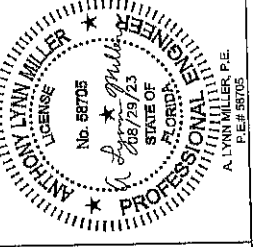
- SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.
- LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.
- MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.
- SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T5 AND BE A MINIMUM OF .125" THICK. STEEL STUDS TO BE A MINIMUM GRADE 33 AND .045" THICK (18 GAUGE). STRUCTURAL STEEL TO BE AT LEAST .125" THICK AND A36. ALL ANCHORS INTO METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BELOW THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-8 S.S. OR 410 S.S.

ANCHOR CAPACITY ADJUSTMENT FORMULA:

$$(DP_{req}) \times (ANCHOR CAP_{req}) = ANCHOR CAP_{req}$$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY REQUIRED" CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE). IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0913.05
Expiration Date 05/26/2026
By Miami-Dade Product Control



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

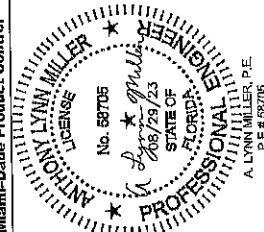
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Jane Herrin

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS Description: 1 X 4 X .375 MULT SPECS Order No: N/A Scale: N/A Drawing No: 6300JR Sheet: 9 OF 22 Custom Windows and Doors	J ROSOWSKI J ROSOWSKI Date: 08/29/11 Checked by: [blank] Date: [blank] Rev: E	10707 TECHNOLOGY DRIVE N. VINCE, PL 34278 (941) 480-1600
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PRODUCT REVISED
 is complying with the Florida
 Building Code **23-0913.05**
 NOA-No.

Expiration Date 05/26/2026

By [Signature]
Special Agent in Charge



**ANCHOR CAPACITY
ADJUSTMENT FORMULA:**

$$(D_p)_{\text{red}} \times \left(\frac{\text{ANCHOR CAP. FROM TENSILE}}{\text{MULLION CAP. FROM TENSILE}} \right) = \text{ANCHOR CAP.}$$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY REQUIRED" CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE) OF THE SELECTED MULLION. IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

Alum. Tube & "W" Multion	Multion Capacity Table (lbs/ft ²)																																		
	Opening Width (for vertically-spanning multions) or Opening Height (for horizontally-spanning multions)																																		
	50 in				60 in				70 in				80 in				90 in				100 in				120 in				140 in				160 in		
Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)	Rectangular Loading	Trap/Hang. Loading	Multion Capacity (lbs/ft ²)	Anchor Capacity (lbs/ft ²)				
42 in	170.0	620	170.0	470	170.0	588	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688	170.0	688			
48 in	170.0	708	170.0	584	170.0	892	170.0	1133	170.0	681	170.0	1275	170.0	677	170.0	1417	170.0	690	170.0	770	170.0	680	170.0	680	170.0	680	170.0	680	170.0	680	170.0	680			
50, 62.5 in	170.0	747	170.0	631	170.0	1046	170.0	884	170.0	723	170.0	1345	170.0	837	170.0	1484	170.0	756	170.0	793	170.0	759	170.0	759	170.0	755	170.0	755	170.0	755	170.0	755			
54 in	170.0	757	170.0	656	170.0	891	170.0	1116	170.0	754	170.0	1434	170.0	837	170.0	1594	170.0	855	170.0	769	170.0	861	170.0	861	170.0	861	170.0	861	170.0	861	170.0	861			
60 in	170.0	895	170.0	791	170.0	1240	170.0	878	170.0	944	170.0	1684	170.0	985	170.0	1895	170.0	1033	170.0	1033	170.0	1063	170.0	1063	170.0	1063	170.0	1063	170.0	1063	170.0	1063			
63 in	170.0	930	170.0	850	170.0	1302	170.0	940	170.0	1488	170.0	1055	170.0	1055	170.0	1942	170.0	1076	170.0	1122	170.0	1158	170.0	1158	170.0	1158	170.0	1158	170.0	1158	170.0	1158			
66 in	170.0	974	170.0	893	170.0	1394	170.0	1002	170.0	1682	170.0	1472	170.0	1085	170.0	2056	170.0	1168	170.0	1212	170.0	1242	170.0	1242	170.0	1242	170.0	1242	170.0	1242	170.0	1242			
72 in	170.0	1083	170.0	978	170.0	1520	170.0	1083	170.0	1852	170.0	1320	170.0	1184	170.0	2318	170.0	1255	170.0	1302	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330			
78 in	170.0	1122	170.0	937	170.0	1463	170.0	1184	170.0	1935	170.0	1394	170.0	1184	170.0	2458	170.0	1255	170.0	1302	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330			
78 in	170.0	1122	170.0	937	170.0	1463	170.0	1184	170.0	1935	170.0	1394	170.0	1184	170.0	2458	170.0	1255	170.0	1302	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330			
78 in	170.0	1122	170.0	937	170.0	1463	170.0	1184	170.0	1935	170.0	1394	170.0	1184	170.0	2458	170.0	1255	170.0	1302	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330			
78 in	170.0	1122	170.0	937	170.0	1463	170.0	1184	170.0	1935	170.0	1394	170.0	1184	170.0	2458	170.0	1255	170.0	1302	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330	170.0	1330			
80 in	108.1	844	111.5	730	90.1	84.3	735	77.2	84.1	72.4	67.8	84.4	73.3	69.1	84.4	66.5	70.0	54.0	84.4	61.4	693	45.0	54.2	678	38.6	944	30.8	944	30.8	944	30.8	944			
90 in	108.1	844	111.5	730	90.1	84.3	735	77.2	84.1	72.4	67.8	84.4	73.3	69.1	84.4	66.5	70.0	54.0	84.4	61.4	693	45.0	54.2	678	38.6	944	30.8	944	30.8	944	30.8	944			
96 in	88.1	742	91.5	663	74.2	77.2	662	63.6	74.2	67.2	61.4	55.7	74.2	59.8	63.1	49.5	54.1	62.2	44.5	74.2	43.8	614	37.1	74.2	43.8	614	37.1	74.2	43.8	614	37.1	74.2			
108 in	62.5	586	63.0	530	52.1	56.9	53.8	52.1	44.7	58.6	45.6	51.3	38.1	58.6	41.4	50.5	34.8	59.6	37.3	49.8	31.3	58.6	34.2	49.8	26.1	58.6	26.1	49.8	26.1	58.6	26.1	49.8			
111 in	57.6	555	58.8	503	43.0	55.5	48.5	48.5	41.2	55.5	42.9	48.7	36.0	55.5	38.0	48.0	32.0	55.5	34.2	47.3	28.8	55.5	31.3	46.7	24.0	55.5	24.0	55.5	24.0	55.5	24.0				
120 in	45.6	475	46.4	433	38.0	47.5	39.0	426	32.6	47.5	33.7	42.0	28.5	47.5	29.8	41.4	25.3	47.5	26.8	40.9	22.8	47.5	24.5	40.4	19.0	47.5	18.7	38.7	14.3	47.5	17.2				

TABLE 68											
Anchor Capacity (lbs)	Substrate	3K Concrete			Hollow or Filled CMU			Filled CMU		Wood	Metal
		3/16" DeWalt Ultracore+	1/4" DeWalt Ultracore+	5/16" Conc. Ultracore	3/16" DeWalt Ultracore+	1/4" DeWalt Ultracore+	5/16" SS DeWalt Aggr-Gator	1/4" SS DeWalt Aggr-Gator	#10 Steel Screw (55)		
2 Anchors @ 4.75" Min. O.C. / Standard or Offset Clip (Fig. 142)	Anchor Type: Edge Distance (in) Embedment (in)	1"	2-1/2"	2-1/2"	1"	2-1/2"	3-1/8"	2"	3-1/8"	0.48"	0.56"
		1-3/4"	1-3/4"	1-3/4"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-3/8"	1-3/8"	wires
4 Anchors @ 2.25" Min. O.C. / Standard or Offset Clip (Fig. 142)	Anchor Type: Edge Distance (in) Embedment (in)	310 lbs	650 lbs	220 lbs	870 lbs	1644 lbs	945 lbs	341 lbs	442 lbs	591 lbs	591 lbs
4 Anchors @ 2.25" Min. O.C. / Standard or Offset Clip (Fig. 142)		310 lbs	1260 lbs	420 lbs	1720 lbs	952 lbs	380 lbs	740 lbs	510 lbs	1050 lbs	1120 lbs
8 Anchors @ 1.15" Min. O.C. / Standard or Offset Clip (Fig. 4)	Anchor Type: Edge Distance (in) Embedment (in)	600 lbs	2620 lbs	740 lbs	N/A	N/A	N/A	N/A	N/A	662 lbs	662 lbs
8 Anchors @ 1.15" Min. O.C. / Standard or Offset Clip (Fig. 4)		600 lbs	1260 lbs	440 lbs	1740 lbs	1896 lbs	460 lbs	740 lbs	640 lbs	1770 lbs	2240 lbs
4 Anchors @ 3" Min. O.C. / (2) 2x Angle Clips / (Fig. 6)	Anchor Type: Edge Distance (in) Embedment (in)	980 lbs	1890 lbs	650 lbs	2510 lbs	2944 lbs	680 lbs	1110 lbs	1740 lbs	1922 lbs	885 lbs
6 Anchors @ 3" Min. O.C. / (2) 2x Angle Clips / (Fig. 6)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1022 lbs	1327 lbs
4 Anchors @ 0.45" Min. O.C. / U-Clip into 1/2" Alum. (Fig. 7)	Anchor Type: Edge Distance (in) Embedment (in)	310 lbs	630 lbs	210 lbs	850 lbs	475 lbs	370 lbs	255 lbs	530 lbs	341 lbs	442 lbs
2 Anchors @ 2.25" Min. O.C. / U-Clip into 1/2" Alum. (Fig. 7)		310 lbs	630 lbs	210 lbs	850 lbs	475 lbs	370 lbs	255 lbs	530 lbs	882 lbs	882 lbs

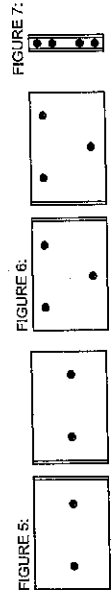
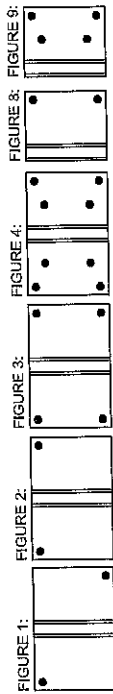
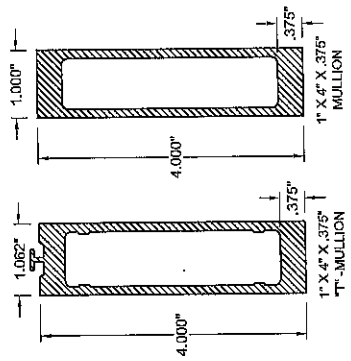
ANCHORS @ 1.15 WILL O.C.T 19.5; USE THE SAME ANCHOR PATTERN AND ANCHOR VALUES AS THE STANDARD CLIP.

TABLE NOTES:
1) SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON GENERAL INSTALLATION METHODS.

2) LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.

3) MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.

4) SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T5 WITH A MINIMUM OF 125" THICK. STEEL SHALL TO BE A MINIMUM GRADE 33 AND .045 THICK (18 GAUGE). STRUCTURAL STEEL TO BE AT LEAST 125" THICK AND A36. ALL ANCHORS INTO METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BEYOND THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-8 S.S. OR 410 S.S.



ANGLE CLIP (FIGURES 5&6) MUST BE USED IN PAIRS.



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella



25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

125" x 3.188" x 265" Alum Tube Mull

ANCHOR CAPACITY ADJUSTMENT FORMULA:
 $(D_{an}) \times (\text{ANCHOR CAP. FROM TABLE}) = \text{ANCHOR CAP. REQ.}$

USE THIS FORMULA TO OBTAIN THE ANCHOR CAPACITY REQUIRED CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE OF THE SELECTED MULLION, IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS

1.25" x 3.188" x 265" MULL SPEC

6300JR

10 OF 22

Check By: N/A

Date: 08/29/21

Revised By: J. ROSOWSKI

Date: 08/29/21

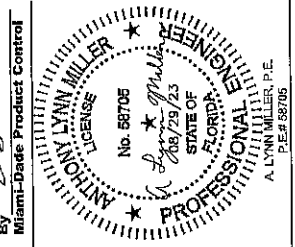
Revised By: J. ROSOWSKI

PRODUCT REVISED
as complying with the Florida
Building Code 23-0913.05
NOA-No.

Expiration Date 05/26/2026

By: [Signature]

Miami-Dade Product Control



Mull Length	Opening Width (for vertically-spawning mullions) or Opening Height (for horizontally-spawning mullions)											
	50 in			60 in			70 in			80 in		
	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading
125" x 3.188" x 265" Alum Tube Mull	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
48 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
50.825 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
54 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
60 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
63 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
66 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
72 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
78 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
84 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
90 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
96 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
108 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
111 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
120 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
144 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0

Anchor Capacity (lbs)	Opening Width (for vertically-spawning mullions) or Opening Height (for horizontally-spawning mullions)											
	50 in			60 in			70 in			80 in		
	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading	Rectangular Loading	Tripartite Loading	Tripartite Loading
125" x 3.188" x 265" Alum Tube Mull	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
48 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
50.825 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
54 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
60 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
63 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
66 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
72 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
78 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
84 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
90 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
96 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
108 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
111 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
120 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0
144 in	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0	170.0

NOTE: FOR THE OFFSET CLIP, USE THE SAME ANCHOR PATTERN AND ANCHOR VALUES AS THE STANDARD CLIP.

FIGURE 1: [Diagram showing anchor pattern for standard clip]

FIGURE 2: [Diagram showing anchor pattern for offset clip]

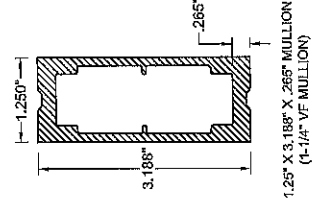
FIGURE 3: [Diagram showing anchor pattern for standard clip]

FIGURE 4: [Diagram showing anchor pattern for offset clip]

FIGURE 5: [Diagram showing anchor pattern for standard clip]

FIGURE 6: [Diagram showing anchor pattern for offset clip]

- TABLE NOTES:
- SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.
 - LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.
 - MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.
 - SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T5 AND BE A MINIMUM OF .125" THICK. STEEL STUDS TO BE A MINIMUM GRADE 33 AND .045" THICK (18 GAUGE). STRUCTURAL STEEL TO BE AT LEAST .125" THICK AND A36. ALL ANCHORS INTO METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BEYOND THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-S S.S. OR 410 S.S.



1.25" x 3.188" x 2.65" MULLION
(1-1/4" VF MULLION)

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

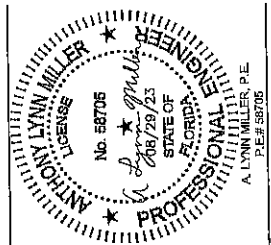
1/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

[illegible]

PRODUCT REVISED
as complying with the Florida
Building Code **23-0913.05**
NOA-No. **23-0913.05**
Expiration Date **05/26/2026**
By *SP*
Miami Trade Product Control



**ANCHOR CAPACITY
ADJUSTMENT FORMULA:**

$$DP_{RED} \times \left(\frac{\text{ANCHOR CAP. FROM TABLE}}{\text{MULLION CAP. FROM TABLE}} \right) = \text{ANCHOR CAP. REQ.}$$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY REQUIRED" CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE) OF THE SELECTED MULLION. IT WILL YIELD A MINIMUM ANCHOR CAPACITY, WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

[illegible]

TABLE 7B	Anchor Capacity (lbs)	Substrate:		3" Concrete			3.5K Conc.			Hollow or Filler CMU			Fillet CMU			Wood		Metal
		Anchor Type:	Anchor Distance (in)	3/16" DeWalt Ultra+ [®]	1/4" DeWalt Ultra+ [®]	8/16" DeWalt Ultra+ [®]	3/16" DeWalt Ultra+ [®]	1/4" DeWalt Ultra+ [®]	1/4" SS DeWalt Aggr+ [®]	5/16" DeWalt Ultra+ [®]	#10 SS DeWalt Screw (SS)	#12 Steel Screw (SS)	1/4" DeWalt Ultra+ [®]	1/2" DeWalt Ultra+ [®]	#10 Steel Screw (SS)	#12 Steel Screw (SS)		
			Edge Distance (in)	1" - 2-1/2"	1" - 1-3/4"	2"	1" - 1-1/4"	1" - 1-1/4"	2"	1" - 1/8"	1" - 1/8"	2"	1" - 1/8"	1" - 1/8"	1" - 1/8"	1" - 1/8"	varies	
			Embedment (in)	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	1-3/4"	varies	
			Overlap or Offset Clip (Fig. 1)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 2)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 3)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 4)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 5)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 6)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 7)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 8)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 9)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 10)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 11)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 12)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 13)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 14)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 15)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 16)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 17)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 18)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 19)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 20)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 21)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 22)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 23)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 24)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 25)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 26)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 27)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 28)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 29)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 30)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 31)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 32)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 33)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 34)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 35)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 36)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 37)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 38)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 39)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 40)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 41)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 42)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 43)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 44)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 45)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 46)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 47)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 48)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 49)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 50)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 51)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 52)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 53)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 54)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 55)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 56)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 57)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 58)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 59)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 60)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 61)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 62)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 63)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 64)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 65)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 66)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 67)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 68)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 69)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 70)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 71)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 72)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 73)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	
			Standard or Offset Clip (Fig. 74)	310 lbs	630 lbs	220 lbs	670 lbs	1844 lbs	370 lbs	550 lbs	341 lbs	564 lbs	946 lbs	442 lbs	341 lbs	442 lbs	500 lbs	

2 Anchors @ 1.15" Min. O.C./ F-Clip (Fig. 6):	160 lbs	530 lbs	185 lbs	N/A	N/A	N/A
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TABLE NOTES:

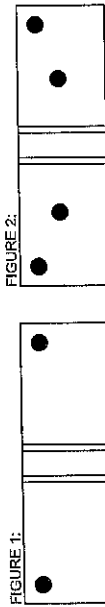


FIGURE 3:



FIGURE 4: FIGURE 5:



FIGURE 6:

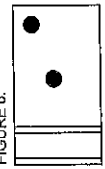


FIGURE 2:

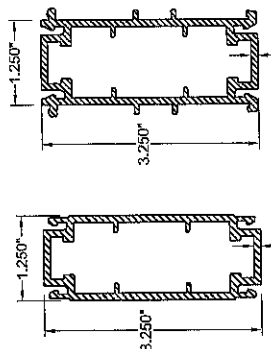


1) SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.

LINEAR INTERPOLATION BETWEEN MILL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.

3) MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.

4) SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T6 AND BE A MINIMUM OF 1/8" THICK. STEEL STUDS TO BE A MINIMUM GRADE 33 AND .045" THICK (1/8 GAUGE). STRUCTURAL STEEL TO BE AT LEAST 125F TENSILE AND A36. ALL ANCHORS INTO THE SHALE, EXTEND AT LEAST 3 SCS OR 4140 S.S. THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-8 S.S. OR 4140 S.S.



1.25" X 3.25" X .100"
MULLION FOR
FIELD-MULLED UNITS

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

7/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

1.25 X 3.94 X .624 ALUM. TUBE MULLIONS

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS

6300JR

13 OF 22

1070 TECHNOLOGY DRIVE
N. VALE N. 134275
(941) 460-1800

Custom Windows and Doors

Revision: 08/29/11

Checked By: N/A

Date: 08/29/11

Drawn By: J. ROSOWSKI

Date: 08/29/11

Scale: N/A

Series: N/A

Description: 1.25 X 3.94 X .624 ALUM. TUBE MULLIONS

Time: 1:25

ANCHOR CAPACITY ADJUSTMENT FORMULA:

$(DP_{\text{req}}) \times \left(\frac{\text{ANCHOR CAP}_{\text{FROM TABLE}}}{\text{ANCHOR CAP}_{\text{FROM TABLE}}} \right) = \text{ANCHOR CAP}_{\text{req}}$

USE THIS FORMULA TO OBTAIN THE ANCHOR CAPACITY REQUIRED CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING. WHEN IT IS LOWER THAN THE TABLE OF THE SELECTED MULLION, IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

Mullion Capacity Table (lbs/ft ²)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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	Rectangular Loading	Trap/Hang Loading	Mullion Capacity (lbs/ft ²)	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)	Trap/Hang Loading	Rectangular Loading	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)	Trap/Hang Loading	Rectangular Loading	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)	Trap/Hang Loading	Rectangular Loading	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)	Trap/Hang Loading	Rectangular Loading	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)	Trap/Hang Loading	Rectangular Loading	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)	Trap/Hang Loading	Rectangular Loading	Anchor Capacity Required (lbs)	Mullion Capacity (lbs/ft ²)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
42 in	170.0	520	170.0	435	170.0	744	170.0	478	170.0	568	170.0	506	170.0	582	170.0	519	170.0	1118	170.0	521	170.0	1240	170.0	521	170.0	1488	170.0	521	170.0	1735	170.0	521	170.0	1883	170.0	521	170.0	2031	170.0	521	170.0	2287	170.0	521	170.0	2543	170.0	521	170.0	2800	170.0	521	170.0	3056	170.0	521	170.0	3313	170.0	521	170.0	3569	170.0	521	170.0	3826	170.0	521	170.0	4082	170.0	521	170.0	4339	170.0	521	170.0	4595	170.0	521	170.0	4852	170.0	521	170.0	5108	170.0	521	170.0	5365	170.0	521	170.0	5621	170.0	521	170.0	5878	170.0	521	170.0	6134	170.0	521	170.0	6391	170.0	521	170.0	6647	170.0	521	170.0	6904	170.0	521	170.0	7160	170.0	521	170.0	7417	170.0	521	170.0	7673	170.0	521	170.0	7930	170.0	521	170.0	8186	170.0	521	170.0	8443	170.0	521	170.0	8699	170.0	521	170.0	8956	170.0	521	170.0	9212	170.0	521	170.0	9469	170.0	521	170.0	9725	170.0	521	170.0	9982	170.0	521	170.0	10238	170.0	521	170.0	10495	170.0	521	170.0	10751	170.0	521	170.0	11008	170.0	521	170.0	11264	170.0	521	170.0	11521	170.0	521	170.0	11777	170.0	521	170.0	12034	170.0	521	170.0	12290	170.0	521	170.0	12547	170.0	521	170.0	12803	170.0	521	170.0	13060	170.0	521	170.0	13316	170.0	521	170.0	13573	170.0	521	170.0	13829	170.0	521	170.0	14086	170.0	521	170.0	14342	170.0	521	170.0	14599	170.0	521	170.0	14855	170.0	521	170.0	15112	170.0	521	170.0	15368	170.0	521	170.0	15625	170.0	521	170.0	15881	170.0	521	170.0	16138	170.0	521	170.0	16394	170.0	521	170.0	16651	170.0	521	170.0	16907	170.0	521	170.0	17164	170.0	521	170.0	17420	170.0	521	170.0	17677	170.0	521	170.0	17933	170.0	521	170.0	18190	170.0	521	170.0	18446	170.0	521	170.0	18703	170.0	521	170.0	18959	170.0	521	170.0	19216	170.0	521	170.0	19472	170.0	521	170.0	19729	170.0	521	170.0	19985	170.0	521	170.0	20242	170.0	521	170.0	20498	170.0	521	170.0	20755	170.0	521	170.0	21011	170.0	521	170.0	21268	170.0	521	170.0	21524	170.0	521	170.0	21781	170.0	521	170.0	22037	170.0	521	170.0	22294	170.0	521	170.0	22550	170.0	521	170.0	22807	170.0	521	170.0	23063	170.0	521	170.0	23320	170.0	521	170.0	23576	170.0	521	170.0	23833	170.0	521	170.0	24089	170.0	521	170.0	24346	170.0	521	170.0	24602	170.0	521	170.0	24859	170.0	521	170.0	25115	170.0	521	170.0	25372	170.0	521	170.0	25628	170.0	521	170.0	25885	170.0	521	170.0	26141	170.0	521	170.0	26398	170.0	521	170.0	26654	170.0	521	170.0	26911	170.0	521	170.0	27167	170.0	521	170.0	27424	170.0	521	170.0	27680	170.0	521	170.0	27937	170.0	521	170.0	28193	170.0	521	170.0	28450	170.0	521	170.0	28706	170.0	521	170.0	28963	170.0	521	170.0	29219	170.0	521	170.0	29476	170.0	521	170.0	29732	170.0	521	170.0	29989	170.0	521	170.0	30245	170.0	521	170.0	30502	170.0	521	170.0	30758	170.0	521	170.0	31015	170.0	521	170.0	31271	170.0	521	170.0	31528	170.0	521	170.0	31784	170.0	521	170.0	32041	170.0	521	170.0	32297	170.0	521	170.0	32554	170.0	521	170.0	32810	170.0	521	170.0	33067	170.0	521	170.0	33323	170.0	521	170.0	33580	170.0	521	170.0	33836	170.0	521	170.0	34093	170.0	521	170.0	34349	170.0	521	170.0	34606	170.0	521	170.0	34862	170.0	521	170.0	35119	170.0	521	170.0	35375	170.0	521	170.0	35632	170.0	521	170.0	35888	170.0	521	170.0	36145	170.0	521	170.0	36401	170.0	521	170.0	36658	170.0	521	170.0	36914	170.0	521	170.0	37171	170.0	521	170.0	37427	170.0	521	170.0	37684	170.0	521	170.0	37940	170.0	521	170.0	38197	170.0	521	170.0	38453	170.0	521	170.0	38710	170.0	521	170.0	38966	170.0	521	170.0	39223	170.0	521	170.0	39479	170.0	521	170.0	39736	170.0	521	170.0	39992	170.0	521	170.0	40249	170.0	521	170.0	40505	170.0	521	170.0	40762	170.0	521	170.0	41018	170.0	521	170.0	41275	170.0	521	170.0	41531	170.0	521	170.0	41788	170.0	521	170.0	42044	170.0	521	170.0	42301	170.0	521	170.0	42557	170.0	521	170.0	42814	170.0	521	170.0	43070	170.0	521	170.0	43327	170.0	521	170.0	43583	170.0	521	170.0	43840	170.0	521	170.0	44096	170.0	521	170.0	44353	170.0	521	170.0	44609	170.0	521	170.0	44866	170.0	521	170.0	45122	170.0	521	170.0	45379	170.0	521	170.0	45635	170.0	521	170.0	45892	170.0	521	170.0	46148	170.0	521	170.0	46405	170.0	521	170.0	46661	170.0	521	170.0	46918	170.0	521	170.0	47174	170.0	521	170.0	47431	170.0	521	170.0	47687	170.0	521	170.0	47944	170.0	521	170.0	48200	170.0	521	170.0	48457	170.0	521	170.0	48713	170.0	521	170.0	48970	170.0	521	170.0	49226	170.0	521	170.0	49483	170.0	521	170.0	49739	170.0	521	170.0	49996	170.0	521	170.0	50252	170.0	521	170.0	50509	170.0	521	170.0	50765	170.0	521	170.0	51022	170.0	521	170.0	51278	170.0	521	170.0	51535	170.0	521	170.0	51791	170.0	521	170.0	52048	170.0	521	170.0	52304	170.0	521	170.0	52561	170.0	521	170.0	52817	170.0	521	170.0	53074	170.0	521	170.0	53330	170.0	521	170.0	53587	170.0	521	170.0	53843	170.0	521	170.0	54099	170.0	521	170.0	54356	170.0	521	170.0	54612	170.0	521	170.0	54869	170.0	521	170.0	55125	170.0	521	170.0	55382	170.0	521	170.0	55638	170.0	521	170.0	55895	170.0	521	170.0	56151	170.0	521	170.0	56408	170.0	521	170.0	56664	170.0	521	170.0	56921	170.0	521	170.0	57177	170.0	521	170.0	57434	170.0	521	170.0	57690	170.0	521	170.0	57947	170.0	521	170.0	58203	170.0	521	170.0	58460	170.0	521	170.0	58716	170.0	521	170.0	58973	170.0	521	170.0	59229	170.0	521	170.0	59486	170.0	521	170.0	59742	170.0	521	170.0	60000	170.0	521	170.0	60256	170.0	521	170.0	60513	170.0	521	170.0	60769	170.0	521	170.0	61026	170.0	521	170.0	61282	170.0	521	170.0	61539	170.0	521	170.0	61795	170.0	521	170.0	62052	170.0	521	170.0	62308	170.0	521	170.0	62565	170.0	521	170.0	62821	170.0	521	170.0	63078	170.0	521	170.0	63334	170.0	521	170.0	63591	170.0	521	170.0	63847	170.0	521	170.0	64104	170.0	521	170.0	64360	170.0	521	170.0	64617	170.0	521	170.0	64873	170.0	521	170.0	65130	170.0	521	170.0	65386	170.0	521	170.0	65643	170.0	521	170.0	65899	170.0	521	170.0	66156	170.0	521	170.0	66412	170.0	521	170.0	66669	170.0	521	170.0	66925	170.0	521	170.0	67182	170.0	521	170.0	67438	170.0	521	170.0	67695	170.0	521	170.0	67951	170.0	521	170.0	68208	170.0	521	170.0	68464	170.0	521	170.0	68721	170.0	521	170.0	68977	170.0	521	170.0	69234	170.0	521	170.0	69490	170.0	521	170.0	69747	170.0	521	170.0	70003	170.0	521	170.0	70260	170.0	521	170.0	70516	170.0	521	170.0	70773	170.0	521	170.0	71029	170.0	521	170.0	71286	170.0	521	170.0	71542	170.0	521	170.0	71799	170.0	521	170.0	72055	170.0	521	170.0	72312	170.0	521	170.0	72568	170.0	521	170.0	72825	170.0	521	170.0	73081	170.0	521	170.0	73338	170.0	521	170.0	73594	170.0	521	170.0	73851	170.0	521	170.0	74107	170.0	521	170.0	74364	170.0	521	170.0	74620	170.0	521	170.0	74877	170.0	521	170.0	75133	170.0	521	170.0	75390	170.0	521	170.0	75646	170.0	521	170.0	75903	170.0	521	170.0	76159	170.0	521	170.0	76416	170.0	521	170.0	76672	170.0	521	170.0	76929	170.0	521	170.0	77185	170.0	521	170.0

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C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

1070 TECHNOLOGY DRIVE
N. VINING PL 34275
(941) 450-1900

Custom Windows and Doors

Sheet 14 OF 22

6300JR

Date: 08/29/11

Checked By: N/A

Drawn By: J. ROSOWSKI

Scale: N/A

2 X 4 X 25 MULL SPEC

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS

ANCHOR CAPACITY ADJUSTMENT FORMULA:

$(DP_{adj}) \times (\text{ANCHOR CAP.}) = \text{ANCHOR CAP.}_{adj}$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY" REQUIRED CORRESPONDING TO AN ACTUAL PRESSURE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE) OF THE SELECTED MULLION. IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

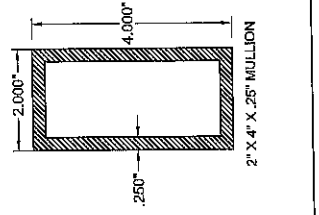
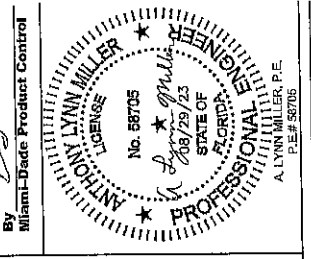
Mull Length	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)											
	50 in			60 in			70 in			80 in		
	Rectangular Loading	Tripartite Loading	Trap/Hang Loading	Rectangular Loading	Tripartite Loading	Trap/Hang Loading	Rectangular Loading	Tripartite Loading	Trap/Hang Loading	Rectangular Loading	Tripartite Loading	Trap/Hang Loading
42 in	170.0	650	170.0	456	170.0	650	170.0	888	170.0	508	170.0	650
48 in	170.0	703	170.0	584	170.0	650	170.0	962	170.0	530	170.0	650
50.625 in	170.0	747	170.0	583	170.0	650	170.0	1046	170.0	584	170.0	650
54 in	170.0	797	170.0	612	170.0	650	170.0	1095	170.0	691	170.0	650
60 in	170.0	885	170.0	704	170.0	650	170.0	1240	170.0	878	170.0	650
66 in	170.0	930	170.0	789	170.0	650	170.0	1352	170.0	940	170.0	650
72 in	170.0	1063	170.0	850	170.0	650	170.0	1488	170.0	1002	170.0	650
78 in	170.0	1151	170.0	967	170.0	650	170.0	1611	170.0	1092	170.0	650
84 in	170.0	1228	170.0	1068	170.0	650	170.0	1728	170.0	1188	170.0	650
90 in	170.0	1328	170.0	1144	170.0	650	170.0	1838	170.0	1298	170.0	650
96 in	170.0	1428	170.0	1228	170.0	650	170.0	1953	170.0	1408	170.0	650
102 in	170.0	1538	170.0	1312	170.0	650	170.0	2073	170.0	1518	170.0	650
108 in	170.0	1648	170.0	1408	170.0	650	170.0	2198	170.0	1628	170.0	650
114 in	170.0	1758	170.0	1508	170.0	650	170.0	2328	170.0	1738	170.0	650
120 in	170.0	1868	170.0	1608	170.0	650	170.0	2458	170.0	1848	170.0	650
144 in	170.0	2448	170.0	2108	170.0	650	170.0	3108	170.0	2398	170.0	650

Product Revised as complying with the Florida Building Code

NOA-No. 23-0913.05

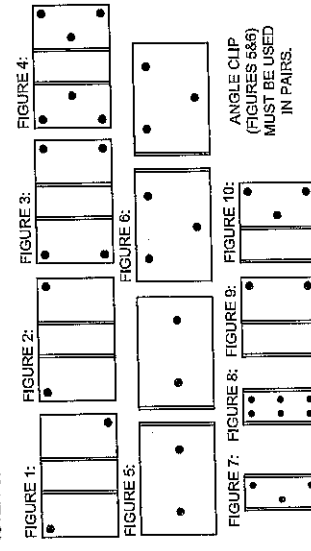
Expiration Date 05/26/2026

By Miami-Dade Product Control



Anchor Capacity (lbs)	Substrate											
	3K Concrete			Hollow or Filled CMU			Filled CMU			Wood		
	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>	1/4\"/>
2 Anchors @ 4.75\"/>	170.0	650	170.0	456	170.0	650	170.0	888	170.0	508	170.0	650
4 Anchors @ 2.88\"/>	170.0	703	170.0	584	170.0	650	170.0	962	170.0	530	170.0	650
6 Anchors @ 1.71\"/>	170.0	747	170.0	583	170.0	650	170.0	1046	170.0	584	170.0	650
4 Anchors @ 3\"/>	170.0	797	170.0	612	170.0	650	170.0	1095	170.0	691	170.0	650
6 Anchors @ 3\"/>	170.0	885	170.0	704	170.0	650	170.0	1240	170.0	878	170.0	650
3 Anchors @ 1.35\"/>	170.0	930	170.0	789	170.0	650	170.0	1352	170.0	940	170.0	650
6 Anchors @ 0.84\"/>	170.0	1063	170.0	850	170.0	650	170.0	1488	170.0	1002	170.0	650
3 Anchors @ 1.35\"/>	170.0	1151	170.0	967	170.0	650	170.0	1611	170.0	1092	170.0	650
6 Anchors @ 0.84\"/>	170.0	1228	170.0	1068	170.0	650	170.0	1728	170.0	1188	170.0	650
3 Anchors @ 1.35\"/>	170.0	1328	170.0	1144	170.0	650	170.0	1838	170.0	1298	170.0	650
6 Anchors @ 0.84\"/>	170.0	1428	170.0	1228	170.0	650	170.0	1953	170.0	1408	170.0	650
3 Anchors @ 1.35\"/>	170.0	1538	170.0	1312	170.0	650	170.0	2073	170.0	1518	170.0	650
6 Anchors @ 0.84\"/>	170.0	1648	170.0	1408	170.0	650	170.0	2198	170.0	1628	170.0	650
3 Anchors @ 1.35\"/>	170.0	1758	170.0	1508	170.0	650	170.0	2328	170.0	1738	170.0	650
6 Anchors @ 0.84\"/>	170.0	1868	170.0	1608	170.0	650	170.0	2458	170.0	1848	170.0	650
3 Anchors @ 1.35\"/>	170.0	2448	170.0	2108	170.0	650	170.0	3108	170.0	2398	170.0	650

- TABLE NOTES:
- SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.
 - LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.
 - MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.
 - SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T5 AND BE A MINIMUM OF .125\"/>



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

APPROVED



FIRE MARSHAL'S OFFICE

BC-WNDR-25-0123
Jane Herrin

Title:		IMPACT-RESISTANT ALUMINUM TUBE MULLIONS	
Description:		2 X 6 X .25 MULL SPECS	
Part:	N/A	Scale:	N/A
Drawn By:	J ROSOWSKI	Checked By:	
Date:	08/29/11	Date:	
Revision:	08/28/2011	Revision:	
Sheet:		6300JR	
15 OF 22			
Custom Windows and Doors 1670 TECHNOLOGY DRIVE N. VINCES, FL 34425 (841) 480-1600			

ECT REVISED
 Working with the Florida
 Code **23-0913.05**
 Date **05/26/2026**
 Product Control


 LYNN MILLER
 LICENSE
 No. 58705
 08/29/23
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER
 LYNN MILLER, P.E.
 354.58705

PRODUCT REVISED
as complying with the Florida
Building Code **23-0913.05**
NOA-No. **Expiration Date 05/26/2026**

By  Miami-Dade Product Control

A circular professional engineer seal for Lynn Miller, P.E., State of Florida. The seal contains the text: "ANTHONY LYNN MILLER", "LICENSE", "No. 58705", "Lynn Miller", "06/29/23", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER".

**ANCHOR CAPACITY
ADJUSTMENT FORMULA:**

$$(DP_{\text{resq}}) \times \left(\frac{\text{ANCHOR CAP.}^{\text{* FROM TABLE}}}{\text{MULLION CAP.}^{\text{* FROM TABLE}}} \right)$$

USE THIS FORMULA TO OBTAIN THE "ANCHOR CAPACITY REQUIRED" CORRESPONDING TO AN ACTUAL PRESSURE REQUIREMENT FOR THE OPENING, WHEN IT IS LOWER THAN THE MULLION CAPACITY (FROM THE TABLE) OF THE SELECTED MULLION. IT WILL YIELD A MINIMUM ANCHOR CAPACITY WHICH MAY BE USED TO QUALIFY ADDITIONAL ANCHOR OPTIONS FROM THE ANCHOR CAPACITY TABLE.

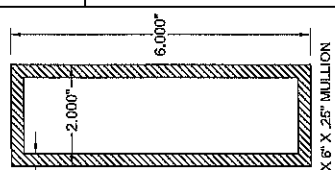
Mullion Capacity Table (lbs/ft²)																																																						
Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)																																																						
2 x 9 x .25 Alum. Tube Mullion	50 in						60 in						70 in						80 in						90 in						100 in						120 in						140 in						160 in					
	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading	Rectangular Loading		Tripart Triang. Loading																		
	Anchor Capacity (lbs/ft²)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)	Anchor Capacity (lbs)	Mullion Capacity (lbs/ft²)																				
42 in	760.0	620.0	170.0	635.0	170.0	744.0	170.0	478.0	170.0	888.0	170.0	935.0	170.0	592.0	170.0	619.0	170.0	1116.0	170.0	321.0	170.0	1249.0	170.0	321.0	170.0	1488.0	170.0	521.0	170.0	1793.0	170.0	521.0	170.0	1935.0	170.0	521.0																		
48 in	170.0	708.0	170.0	824.0	170.0	895.0	170.0	584.0	170.0	962.0	170.0	984.0	170.0	1153.0	170.0	681.0	170.0	1276.0	170.0	677.0	170.0	1417.0	170.0	680.0	170.0	1790.0	170.0	680.0	170.0	2287.0	170.0	680.0	170.0	2391.0	170.0	680.0																		
50.625 in	170.0	747.0	170.0	863.0	170.0	936.0	170.0	631.0	170.0	1046.0	170.0	1054.0	170.0	1193.0	170.0	723.0	170.0	1345.0	170.0	747.0	170.0	1494.0	170.0	756.0	170.0	1952.0	170.0	756.0	170.0	2092.0	170.0	756.0	170.0	2267.0	170.0	756.0																		
54 in	170.0	797.0	170.0	912.0	170.0	995.0	170.0	681.0	170.0	1119.0	170.0	1124.0	170.0	1275.0	170.0	803.0	170.0	1434.0	170.0	837.0	170.0	1594.0	170.0	861.0	170.0	1913.0	170.0	861.0	170.0	2231.0	170.0	861.0	170.0	2360.0	170.0	861.0																		
60 in	170.0	885.0	170.0	1011.0	170.0	1093.0	170.0	757.0	170.0	1240.0	170.0	1240.0	170.0	1417.0	170.0	944.0	170.0	1594.0	170.0	966.0	170.0	1771.0	170.0	1033.0	170.0	2126.0	170.0	1033.0	170.0	2479.0	170.0	1033.0	170.0	2650.0	170.0	1033.0																		
63 in	170.0	930.0	170.0	1061.0	170.0	1116.0	170.0	850.0	170.0	1302.0	170.0	1302.0	170.0	1488.0	170.0	1015.0	170.0	1673.0	170.0	1076.0	170.0	1859.0	170.0	1120.0	170.0	2231.0	170.0	1120.0	170.0	2603.0	170.0	1120.0	170.0	2775.0	170.0	1120.0																		
66 in	170.0	974.0	170.0	1099.0	170.0	1169.0	170.0	903.0	170.0	1384.0	170.0	1384.0	170.0	1568.0	170.0	1068.0	170.0	1753.0	170.0	1155.0	170.0	1948.0	170.0	1212.0	170.0	2338.0	170.0	1212.0	170.0	2715.0	170.0	1212.0	170.0	2897.0	170.0	1212.0																		
69 in	170.0	1023.0	170.0	1149.0	170.0	1225.0	170.0	953.0	170.0	1436.0	170.0	1436.0	170.0	1624.0	170.0	1119.0	170.0	1848.0	170.0	1250.0	170.0	2039.0	170.0	1265.0	170.0	2417.0	170.0	1265.0	170.0	2844.0	170.0	1265.0	170.0	3026.0	170.0	1265.0																		
72 in	170.0	1063.0	170.0	1189.0	170.0	1265.0	170.0	1000.0	170.0	1486.0	170.0	1486.0	170.0	1674.0	170.0	1168.0	170.0	1848.0	170.0	1250.0	170.0	2125.0	170.0	1307.0	170.0	2550.0	170.0	1307.0	170.0	2927.0	170.0	1307.0	170.0	3117.0	170.0	1307.0																		
75 in	170.0	1122.0	170.0	1249.0	170.0	1325.0	170.0	1060.0	170.0	1546.0	170.0	1546.0	170.0	1734.0	170.0	1229.0	170.0	1920.0	170.0	1229.0	170.0	2199.0	170.0	1421.0	170.0	2243.0	170.0	1421.0	170.0	2675.0	170.0	1421.0	170.0	2870.0	170.0	1421.0																		
78 in	170.0	1151.0	170.0	1287.0	170.0	1361.0	170.0	1116.0	170.0	1611.0	170.0	1611.0	170.0	1842.0	170.0	1369.0	170.0	2072.0	170.0	1474.0	170.0	2392.0	170.0	1595.0	170.0	2590.0	170.0	1595.0	170.0	3040.0	170.0	1595.0	170.0	3240.0	170.0	1595.0																		
90 in	170.0	1328.0	170.0	1414.0	170.0	1494.0	170.0	1258.0	170.0	1864.0	170.0	1864.0	170.0	2125.0	170.0	1683.0	170.0	2381.0	170.0	1793.0	170.0	2656.0	170.0	1918.0	170.0	2763.0	170.0	1918.0	170.0	3223.0	170.0	1918.0	170.0	3383.0	170.0	1918.0																		
96 in	170.0	1417.0	170.0	1532.0	170.0	1612.0	170.0	1328.0	170.0	1938.0	170.0	1938.0	170.0	2192.0	170.0	1744.0	170.0	2550.0	170.0	1952.0	170.0	2833.0	170.0	2056.0	170.0	3169.0	170.0	2056.0	170.0	3531.0	170.0	2056.0	170.0	3713.0	170.0	2056.0																		
108 in	170.0	1594.0	170.0	1709.0	170.0	1789.0	170.0	1497.0	170.0	2237.0	170.0	2237.0	170.0	2500.0	170.0	2078.0	170.0	2818.0	170.0	2271.0	170.0	3161.0	170.0	2333.0	170.0	3426.0	170.0	2333.0	170.0	3791.0	170.0	2333.0	170.0	3973.0	170.0	2333.0																		
111 in	170.0	1630.0	170.0	1744.0	170.0	1824.0	170.0	1532.0	170.0	2282.0	170.0	2282.0	170.0	2545.0	170.0	2116.0	170.0	2852.0	170.0	2245.0	170.0	3148.0	170.0	2362.0	170.0	3437.0	170.0	2362.0	170.0	3802.0	170.0	2362.0	170.0	3984.0	170.0	2362.0																		
120 in	170.0	1771.0	170.0	1886.0	170.0	1966.0	170.0	1659.0	170.0	2414.0	170.0	2414.0	170.0	2677.0	170.0	2164.0	170.0	2962.0	170.0	2292.0	170.0	3185.0	170.0	2392.0	170.0	3486.0	170.0	2392.0	170.0	3851.0	170.0	2392.0	170.0	4033.0	170.0	2392.0																		
126 in	170.0	1858.0	170.0	1973.0	170.0	2053.0	170.0	1746.0	170.0	2501.0	170.0	2501.0	170.0	2764.0	170.0	2211.0	170.0	3008.0	170.0	2321.0	170.0	3204.0	170.0	2408.0	170.0	3509.0	170.0	2408.0	170.0	3874.0	170.0	2408.0	170.0	4056.0	170.0	2408.0																		
132 in	170.0	1945.0	170.0	2060.0	170.0	2140.0	170.0	1834.0	170.0	2586.0	170.0	2586.0	170.0	2849.0	170.0	2242.0	170.0	3090.0	170.0	2334.0	170.0	3221.0	170.0	2425.0	170.0	3530.0	170.0	2425.0	170.0	3895.0	170.0	2425.0	170.0	4077.0	170.0	2425.0																		
138 in	170.0	2032.0	170.0	2147.0	170.0	2227.0	170.0	1921.0	170.0	2673.0	170.0	2673.0	170.0	2936.0	170.0	2329.0	170.0	3177.0	170.0	2376.0	170.0	3268.0	170.0	2459.0	170.0	3568.0	170.0	2459.0	170.0	3930.0	170.0	2459.0	170.0	4119.0	170.0	2459.0																		
144 in	170.0	2119.0	170.0	2232.0	170.0	2312.0	170.0	2008.0	170.0	2760.0	170.0	2760.0	170.0	3023.0	170.0	2410.0	170.0	3211.0	170.0	2410.0	170.0	3302.0	170.0	2470.0	170.0	3579.0	170.0	2470.0	170.0	3941.0	170.0	2470.0	170.0	4131.0	170.0	2470.0																		
150 in	170.0	2206.0	170.0	2329.0	170.0	2409.0	170.0	2095.0	170.0	2847.0	170.0	2847.0	170.0	3110.0	170.0	2497.0	170.0	3298.0	170.0	2497.0	170.0	3389.0	170.0	2480.0	170.0	3557.0	170.0	2480.0	170.0	3922.0	170.0	2480.0	170.0	4142.0	170.0	2480.0																		
156 in	170.0	2293.0	170.0	2422.0	170.0	2502.0	170.0	2182.0	170.0	2934.0	170.0	2934.0	170.0	3197.0	170.0	2584.0	170.0	3376.0	170.0	2584.0	170.0	3475.0	170.0	2521.0	170.0	3604.0	170.0	2521.0	170.0	3963.0	170.0	2521.0	170.0	4153.0	170.0	2521.0																		
162 in	170.0	2380.0	170.0	2515.0	170.0	2595.0	170.0	2269.0	170.0	3021.0	170.0	3021.0	170.0	3284.0	170.0	2671.0	170.0	3450.0	170.0	2671.0	170.0	3569.0	170.0	2562.0	170.0	3691.0	170.0	2562.0	170.0	3952.0	170.0	2562.0	170.0	4164.0	170.0	2562.0																		
168 in	170.0	2467.0	170.0	2608.0	170.0	2688.0	170.0	2356.0	170.0	3108.0	170.0	3108.0	170.0	3371.0	170.0	2758.0	170.0	3523.0	170.0	2758.0	170.0	3647.0	170.0	2593.0	170.0	3763.0	170.0	2593.0	170.0	3939.0	170.0	2593.0	170.0	4175.0	170.0	2593.0																		
174 in	170.0	2554.0	170.0	2701.0	170.0	2781.0	170.0	2443.0	170.0	3196.0	170.0	3196.0	170.0	3459.0	170.0	2840.0	170.0	3616.0	170.0	2840.0	170.0	3735.0	170.0	2640.0	170.0	3851.0	170.0	2640.0	170.0	3928.0	170.0	2640.0	170.0	4186.0	170.0	2640.0																		
180 in	170.0	2641.0	170.0	2794.0	170.0	2874.0	170.0	2530.0	170.0	3283.0	170.0	3283.0	170.0	3546.0	170.0	2927.0	170.0	3692.0	170.0	2927.0	170.0	3811.0	170.0	2671.0	170.0	3927.0	170.0	2671.0	170.0	3905.0	170.0	2671.0	170.0	4197.0	170.0	2671.0																		
186 in	170.0	2728.0	170.0	2887.0	170.0	2967.0	170.0	2617.0	170.0	3370.0	170.0	3370.0	170.0	3633.0	170.0	3014.0	170.0	3779.0	170.0	3014.0	170.0	3893.0	170.0	2692.0	170.0	3993.0	170.0	2692.0	170.0	3970.0	170.0	2692.0	170.0	4208.0	170.0	2692.0																		
192 in	170.0	2815.0	170.0	2978.0	170.0	3058.0	170.0	2704.0	170.0	3457.0	170.0	3457.0	170.0	3720.0	170.0	3101.0	170.0	3866.0	170.0	3101.0	170.0	3981.0	170.0	2713.0	170.0	4083.0	170.0	2713.0	170.0	3957.0	170.0	2713.0	170.0	4219.0	170.0	2713.0																		
198 in	170.0	2902.0	170.0	3069.0	170.0	3149.0	170.0	2791.0	170.0	3544.0	170.0	3544.0	170.0	3807.0	170.0	3188.0	170.0	3951.0	170.0	3188.0	170.0	4068.0	170.0	2734.0	170.0	4170.0	170.0	2734.0	170.0	3968.0	170.0	2734.0	170.0	4230.0	170.0	2734.0																		
204 in	170.0	2989.0	170.0	3160.0	170.0	3240.0	170.0	2878.0	170.0	3631.0	170.0	3631.0	170.0	3894.0	170.0	3269.0	170.0	4038.0																																				

[illegible]

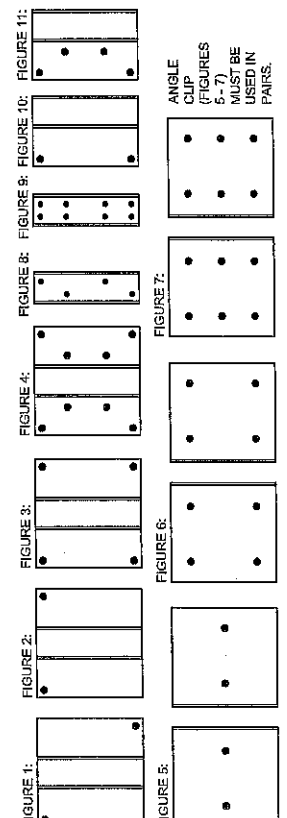
TABLE NOTES:

- 1) SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.
- 2) LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.
- 3) MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.

4) SUBSTRATES: CONCRETE SHALL conform TO ACI 301 SPECIFICATIONS, HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL conform TO ASTM C-90, STEEL STUDS TO BE A MINIMUM GRADE #6 ALUMINUM SHALL BE 6063-T5 AND BE A MINIMUM OF .75" THICK, STEEL STUDS TO BE A MINIMUM OF .333 AND .345" THICK (18 GAUGE), STRUCTURAL STEEL TO BE AT LEAST .125" THICK AND A36. ALL ANCHORS INTO METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BEYOND THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-8 S.S. OR 4140 S.S.



100



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34278
(941) 480-1808

PGT
Climate Windows and Doors

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
30 DEGREE BAY MULL SPECS
Drawing No. 6300JR
Checked By: [Signature]
Date: 08/29/11
Revision: 16 OF 22

Ref: By: J ROSOWSKI
Date: N/A
Scale: N/A
Description: 30 DEGREE BAY MULL SPECS

**ANCHOR CAPACITY
ADJUSTMENT FORMULA:**
 $(DP_{req}) \times (ANCHOR CAP_{req}) = ANCHOR CAP_{req}$

USE THIS FORMULA TO OBTAIN
THE ANCHOR CAPACITY
REQUIRED CORRESPONDING
TO AN ACTUAL PRESSURE
REQUIREMENT FOR THE
OPENING, WHEN IT IS LOWER
THAN THE MULLION CAPACITY
(FROM THE TABLE) OF THE
SELECTED MULLION. IT WILL
YIELD A MINIMUM ANCHOR
CAPACITY WHICH MAY BE
USED TO QUALIFY ADDITIONAL
ANCHOR OPTIONS FROM THE
ANCHOR CAPACITY TABLE.

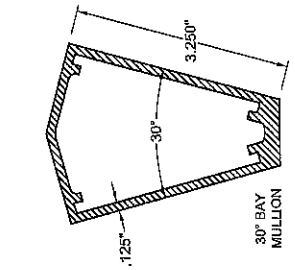
PRODUCT REVISED
in compliance with the Florida
Building Code
NOA-No. 23-0913.05
Expiration Date 05/26/2026

By: [Signature]
Miami-Dade Product Control

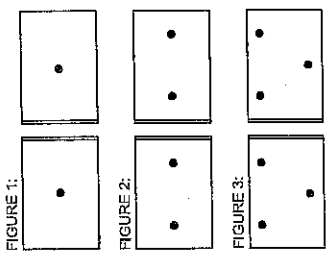
ANTHONY LYNN MILLER
No. 88705
Professional Engineer
State of Florida
A. LYNN MILLER, P.E.
P.E.# 58705

Mull Length	Mullion Capacity Table (lbs/ft²)											
	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)											
	50 in	60 in	70 in	80 in	90 in	100 in	120 in	140 in	160 in	180 in	200 in	220 in
3.25" 30 DEG AL BAY MULL	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)	Rectangular Loading Required (lbs) Mullion Capacity (lbs/ft²)
42 in	170.0 620	170.0 435	170.0 435	170.0 592	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518
48 in	170.0 708	170.0 524	170.0 524	170.0 692	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618
50.25 in	170.0 747	170.0 563	170.0 563	170.0 730	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656
54 in	170.0 797	170.0 612	170.0 612	170.0 784	170.0 710	170.0 710	170.0 710	170.0 710	170.0 710	170.0 710	170.0 710	170.0 710
60 in	170.0 885	170.0 701	170.0 701	170.0 868	170.0 794	170.0 794	170.0 794	170.0 794	170.0 794	170.0 794	170.0 794	170.0 794
66 in	170.0 930	170.0 746	170.0 746	170.0 913	170.0 839	170.0 839	170.0 839	170.0 839	170.0 839	170.0 839	170.0 839	170.0 839
69 in	170.0 974	170.0 790	170.0 790	170.0 957	170.0 883	170.0 883	170.0 883	170.0 883	170.0 883	170.0 883	170.0 883	170.0 883
72 in	170.0 1018	170.0 834	170.0 834	170.0 1001	170.0 927	170.0 927	170.0 927	170.0 927	170.0 927	170.0 927	170.0 927	170.0 927
76 in	170.0 1107	170.0 923	170.0 923	170.0 1090	170.0 1016	170.0 1016	170.0 1016	170.0 1016	170.0 1016	170.0 1016	170.0 1016	170.0 1016
78 in	170.0 1151	170.0 967	170.0 967	170.0 1134	170.0 1060	170.0 1060	170.0 1060	170.0 1060	170.0 1060	170.0 1060	170.0 1060	170.0 1060
80 in	170.0 1195	170.0 1011	170.0 1011	170.0 1178	170.0 1104	170.0 1104	170.0 1104	170.0 1104	170.0 1104	170.0 1104	170.0 1104	170.0 1104
96 in	170.0 1417	170.0 1233	170.0 1233	170.0 1399	170.0 1325	170.0 1325	170.0 1325	170.0 1325	170.0 1325	170.0 1325	170.0 1325	170.0 1325
108 in	170.0 1639	170.0 1455	170.0 1455	170.0 1621	170.0 1547	170.0 1547	170.0 1547	170.0 1547	170.0 1547	170.0 1547	170.0 1547	170.0 1547
111 in	170.0 1683	170.0 1499	170.0 1499	170.0 1665	170.0 1591	170.0 1591	170.0 1591	170.0 1591	170.0 1591	170.0 1591	170.0 1591	170.0 1591
120 in	170.0 1805	170.0 1621	170.0 1621	170.0 1787	170.0 1713	170.0 1713	170.0 1713	170.0 1713	170.0 1713	170.0 1713	170.0 1713	170.0 1713
144 in	170.0 2201	170.0 2017	170.0 2017	170.0 2199	170.0 2125	170.0 2125	170.0 2125	170.0 2125	170.0 2125	170.0 2125	170.0 2125	170.0 2125

Anchor Capacity (lbs)	Hollow or Filled CMU											
	Substrate											
	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete	3" Concrete
2 Anchors @ 5" Min. O.C. (2) 2x5 Angle Clips / (Fig. 3)	170.0 620	170.0 435	170.0 435	170.0 592	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518	170.0 518
4 Anchors @ 3.5" Min. O.C. (2) 2x5 Angle Clips / (Fig. 3)	170.0 708	170.0 524	170.0 524	170.0 692	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618	170.0 618
6 Anchors @ 2.75" Min. O.C. (2) 2x5 Angle Clips / (Fig. 3)	170.0 747	170.0 563	170.0 563	170.0 730	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656	170.0 656



- TABLE NOTES:**
- SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING. SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.
 - LINEAR INTERPOLATION BETWEEN MULL LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.
 - MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20. HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20. FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.
 - SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55. ALUMINUM SHALL BE 6063-T6 AND BE A MINIMUM OF .125" THICK. STEEL STUDS TO BE A MINIMUM GRADE 33 AND .045" THICK (18 GAUGE). STRUCTURAL STEEL TO BE AT LEAST .125" THICK AND A36. ALL ANCHORS INTO METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BEYOND THE MATERIAL. #10 & #12 ANCHORS INTO WOOD MAY BE STEEL, 18-8 S.S. OR 410 S.S.



ANGLE CLIP (FIGURES 1-3) MUST BE USED IN PAIRS.

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS

45 DEGREE BAY MULLIONS

Rev. By: J. ROSOWSKI
Date: 08/29/11
Scale: N/A

Checked By: N/A
Date: 08/29/11
Scale: N/A

Sheet: 17 OF 22
Drawing No. 6300JR

Customer Windows and Doors
N. VENICE, FL 34278
(847) 489-1609

ANCHOR CAPACITY
ADJUSTMENT FORMULA:

$$(DP_{min}) \times \left(\frac{\text{ANCHOR CAP. (MIN. VALUE)}}{\text{MULLION CAP. (MAX. VALUE)}} \right) = \text{ANCHOR CAP. (REQ.)}$$

USE THIS FORMULA TO OBTAIN
THE "ANCHOR CAPACITY
REQUIRED" CORRESPONDING
TO AN ACTUAL PRESSURE
OPENING, WHEN IT IS LOWER
THAN THE MULLION CAPACITY
(FROM THE TABLE) OF THE
SELECTED MULLION. IT WILL
YIELD A MINIMUM ANCHOR
CAPACITY WHICH MAY BE
USED TO QUALIFY ADDITIONAL
ANCHOR OPTIONS FROM THE
ANCHOR CAPACITY TABLE.

Mullion Length	Opening Width (for vertically-spanning mullions) or Opening Height (for horizontally-spanning mullions)											
	50 in			60 in			70 in			80 in		
	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Trap/Hang Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Trap/Hang Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Trap/Hang Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Trap/Hang Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)	Rectangular Loading Required (lbs) Anchor Capacity (lbs/ft) Mullion Capacity (lbs/ft)
42 in	170.0	620	170.0	620	170.0	620	170.0	620	170.0	620	170.0	620
48 in	170.0	708	170.0	694	170.0	680	170.0	666	170.0	652	170.0	638
54 in	170.0	747	170.0	693	170.0	684	170.0	675	170.0	666	170.0	657
60 in	170.0	797	170.0	612	170.0	612	170.0	612	170.0	612	170.0	612
66 in	170.0	885	170.0	701	170.0	701	170.0	701	170.0	701	170.0	701
72 in	170.0	930	170.0	745	170.0	745	170.0	745	170.0	745	170.0	745
78 in	170.0	974	170.0	789	170.0	789	170.0	789	170.0	789	170.0	789
84 in	170.0	1018	170.0	833	170.0	833	170.0	833	170.0	833	170.0	833
90 in	170.0	1062	170.0	877	170.0	877	170.0	877	170.0	877	170.0	877
96 in	170.0	1106	170.0	921	170.0	921	170.0	921	170.0	921	170.0	921
102 in	170.0	1150	170.0	965	170.0	965	170.0	965	170.0	965	170.0	965
108 in	170.0	1194	170.0	1009	170.0	1009	170.0	1009	170.0	1009	170.0	1009
114 in	170.0	1238	170.0	1053	170.0	1053	170.0	1053	170.0	1053	170.0	1053
120 in	170.0	1282	170.0	1097	170.0	1097	170.0	1097	170.0	1097	170.0	1097
126 in	170.0	1326	170.0	1141	170.0	1141	170.0	1141	170.0	1141	170.0	1141
132 in	170.0	1370	170.0	1185	170.0	1185	170.0	1185	170.0	1185	170.0	1185
138 in	170.0	1414	170.0	1229	170.0	1229	170.0	1229	170.0	1229	170.0	1229
144 in	170.0	1458	170.0	1273	170.0	1273	170.0	1273	170.0	1273	170.0	1273

PRODUCT REVISED
Engineering with the Florida
Building Code 23-0913.05
NOA-NO.

Expiration Date 05/26/2026

By
Miami-Dade Product Control

ANTHONY LYNN MILLER
No. 58705
08/29/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

ANCHOR CAPACITY TABLE (lbs)

2 Anchors @ 5" Min. O.C. / (2) 2x4 Angle Clips / (Fig. 1)

4 Anchors @ 3.5" Min. O.C. / (2) 2x4 Angle Clips / (Fig. 2)

6 Anchors @ 2.71" Min. O.C. / (2) 2x4 Angle Clips / (Fig. 3)

FIGURE 1:

FIGURE 2:

FIGURE 3:

ANGLE CLIP (FIGURES 1-3) MUST BE USED IN PAIRS.

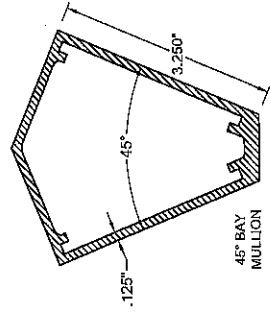
TABLE NOTES:

1) SEE SHEET 1 FOR INSTRUCTIONS ON USING THE TABLES AND SHEET 22 FOR INFORMATION ON LOADING.
SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.

2) LINEAR INTERPOLATION BETWEEN MULL. LENGTHS AND/OR OPENING WIDTHS IS ALLOWABLE.

3) MULLION AND MULLION CLIPS SHOWN ARE NOT TO SCALE. FOR EXACT DIMENSIONS, SEE SHEETS 18-20.
HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS SHOWN ON SHEETS 18-20.
FIGURES SHOW SUGGESTED, APPROXIMATE HOLE LOCATIONS.

4) SUBSTRATES: CONCRETE SHALL CONFORM TO ACI 301 SPECIFICATIONS. HOLLOW AND GROUT-FILLED
CONCRETE BLOCK UNIT (CMU) SHALL CONFORM TO ASTM C-90. WOOD SHALL HAVE A MIN. SG OF 0.55.
ALUMINUM SHALL BE 6063-T5 AND BE A MINIMUM OF .125" THICK. STEEL STUDS TO BE A MINIMUM GRADE 33
AND .045" THICK (18 GAUGE). STRUCTURAL STEEL TO BE AT LEAST .125" THICK AND A36. ALL ANCHORS INTO
METAL SHALL EXTEND AT LEAST 3 SCREW THREADS BEYOND THE MATERIAL. #10 & #12 ANCHORS INTO WOOD
MAY BE STEEL, 18-8 S.S., OR 410 S.S.



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

PGT

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
MULLION AND CLIP DIMENSIONS A

18 OF 22

Rev. By: J ROSOWSKI

Drawn By: N/A

Date: 08/29/11

Scale: N/A

Checked By: N/A

Revision: 08/29/11

Sheet: E

Project: 1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

PRODUCT REVISED

as complying with the Florida

Building Code

NOA-No. 23-0913.05

Expiration Date 05/26/2026

By

Miami-Dade Product Control

ANTHONY LYNN MILLER

No. 56705

08/29/23

STATE OF FLORIDA

PROFESSIONAL ENGINEER

A. LYNN MILLER, P.E.

P.E.# 56705

TABLE A

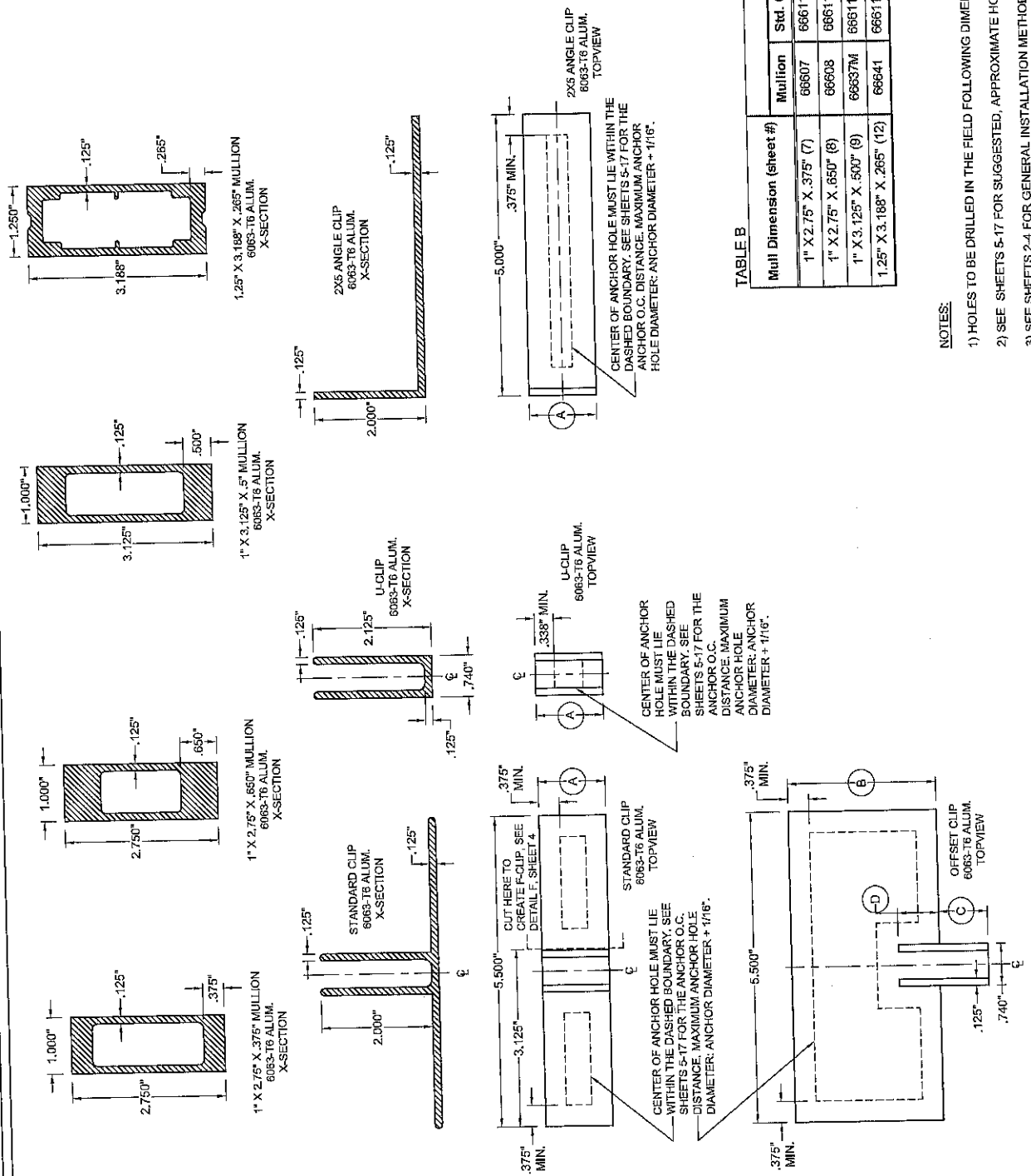
Dimension	Value (in)	For Mullion:
A	1.875	1" X 2.75" X .375 Aluminum Tube Mullion
B	3.000	1" X 2.75" X .375 Aluminum Tube Mullion
C	0.757	1" X 2.75" X .375 Aluminum Tube Mullion
D	1.118	1" X 2.75" X .375 Aluminum Tube Mullion
A	1.312	1" X 2.75" X .650 Aluminum Tube Mullion
B	3.000	1" X 2.75" X .650 Aluminum Tube Mullion
C	0.476	1" X 2.75" X .650 Aluminum Tube Mullion
D	0.836	1" X 2.75" X .650 Aluminum Tube Mullion
A	2.000	1" X 3.125" X .500 Aluminum Tube Mull
B	2.637	1" X 3.125" X .500 Aluminum Tube Mull
C	0.863	1" X 3.125" X .500 Aluminum Tube Mull
D	1.137	1" X 3.125" X .500 Aluminum Tube Mull
A	2.625	1.25" X 3.188" X .265 Aluminum Tube Mull
B	3.262	1.25" X 3.188" X .265 Aluminum Tube Mull
C	0.862	1.25" X 3.188" X .265 Aluminum Tube Mull
D	1.762	1.25" X 3.188" X .265 Aluminum Tube Mull

TABLE B

Mull Dimension (sheet #)	Std. Clip	U-Clip	Offset Clip	Angle Clip
1" X 2.75" X .375" (7)	666115M	6661120M	666245M	666513M
1" X 2.75" X .650" (8)	666116M	6661121M	666246M	666514M
1" X 3.125" X .500" (9)	666117M	666114M	666242M	666515M
1.25" X 3.188" X .265" (12)	666117M	666113M	666241M	666516M

NOTES:

- HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS GIVEN ON THIS SHEET.
- SEE SHEETS 5-17 FOR SUGGESTED, APPROXIMATE HOLE LOCATIONS & ANCHOR O.C. DISTANCE.
- SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.



7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

2/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
MULLION AND CLIP DIMENSIONS B

Revised By: J ROSOWSKI
Date: 08/29/11
Checked By: N/A
Drawing No. 6300JR
Scale: N/A
Sheet 19 OF 22

Customer Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1800

PRODUCT REVISED
as complying with the Florida
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NOA-No. 23-0913.05
Expiration Date 05/26/2026

By: [Signature]
Miami-Dade Product Control

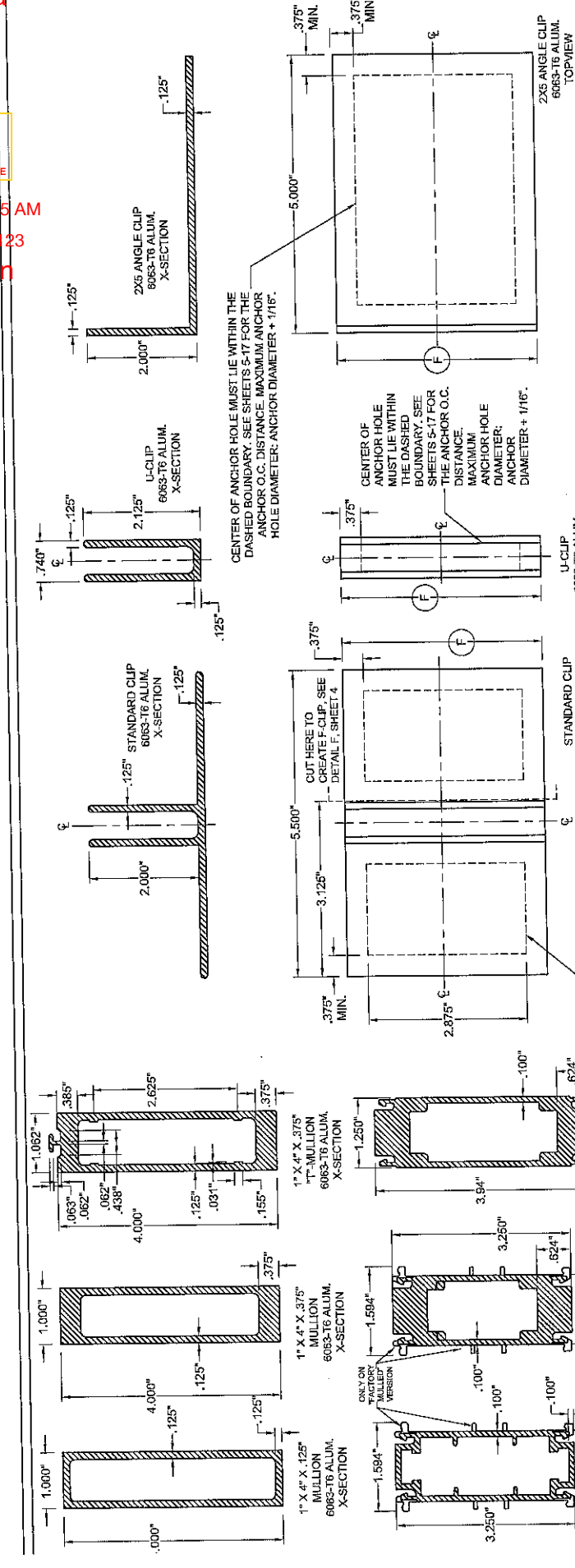
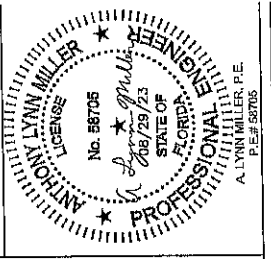


TABLE C, CONT.

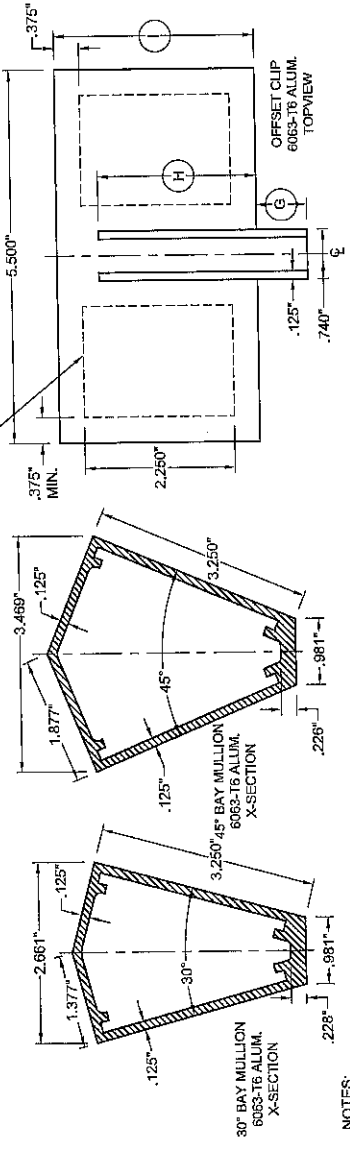
Dimension	Value (in)	For Mullion:
F	1.938	1.25\" X 3.25\" X .624\"
G	0.500	Aluminum
H	1.438	Tube Mullion
I	3.250	1.25\" X 3.94\"
F	2.625	1.25\" X 3.25\"
G	1.125	Aluminum
H	1.500	Tube Mullion
I	3.250	1.25\" X 3.25\"
F	2.813	30\" Bay Mull
F	2.875	45\" Bay Mull

TABLE C

Dimension	Value (in)	For Mullion:
F	3.687	1\" X 4\" X .375\"
G	1.000	Aluminum
H	2.680	Tube Mullion
I	3.000	1\" X 4\" X .375\"
F	3.187	1\" X 4\" X .375\"
G	0.757	Aluminum
H	2.430	Tube & T
I	3.000	1.25\" X 3.25\"
F	2.250	Aluminum
G	0.750	Tube Mullion
H	1.500	Aluminum
I	3.250	Tube Mullion

TABLE D

Mull Dimension (Sheet #)	Mullion	Std. Clip	Offset Clip	U-Clip	Angle Clip
1\" X 4\" X .125\" (10)	60604	60611M	60612M	60624M	606518M
1\" X 4\" X .375\" (11)	60610	60612M	606123M	606242M	606519M
1\" X 4\" X .375\" (11)	60653	60612M	606123M	606242M	606519M
1.25\" X 3.25\" X .100\" (13)	2016120312	606127M	606124M	6062410M	6065115M
1.25\" X 3.25\" X .624\" (14)	2016120315	606128M	606125M	6062411M	6065116M
1.25\" X 3.94\" X .624\" (15)	20162	606117M	606126M	606241M	606517M
30 Degree (19)	60649	N/A	N/A	N/A	606510M
45 Degree (20)	60650	N/A	N/A	N/A	6065111M



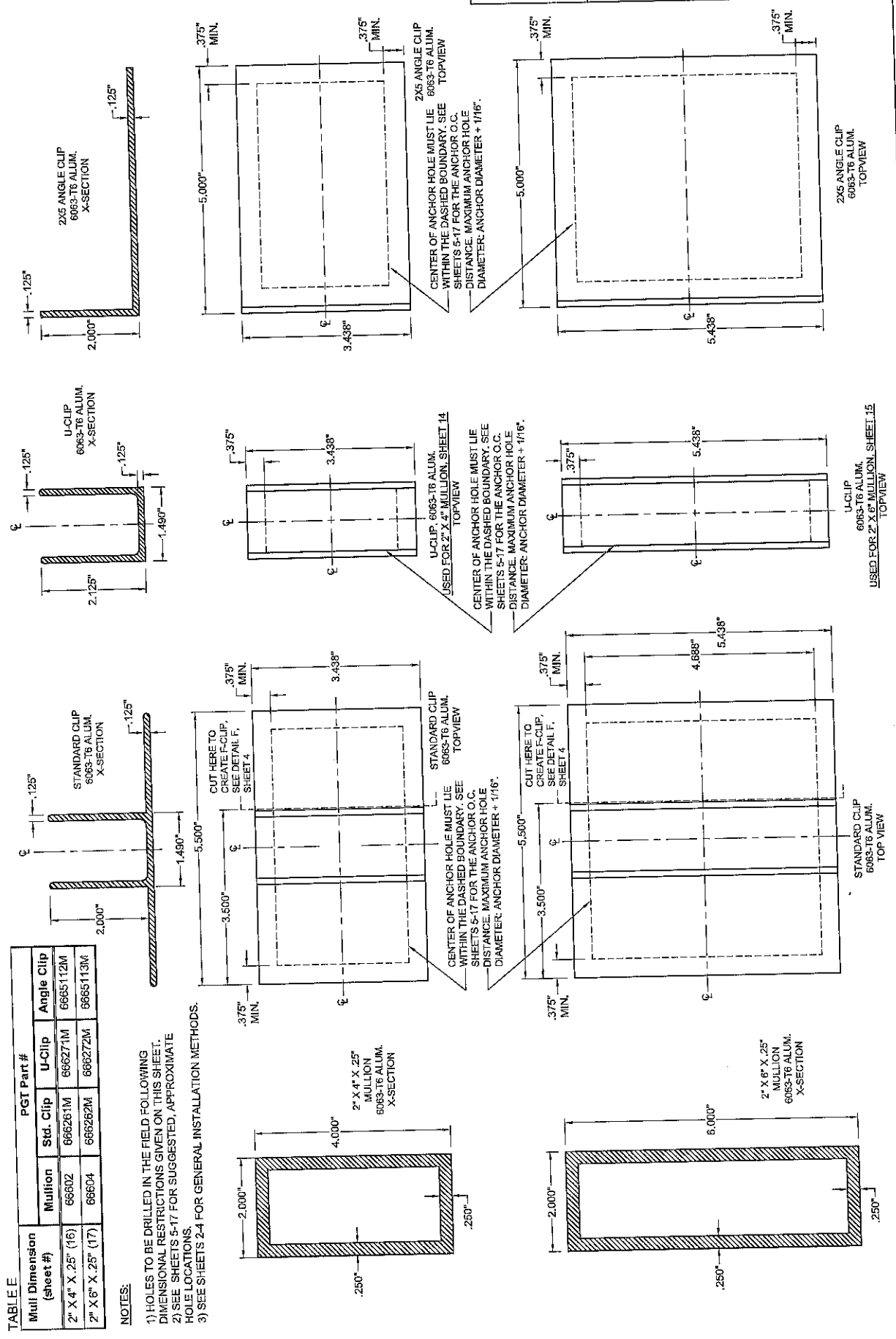
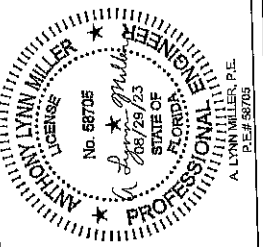
- NOTES:
- 1) HOLES TO BE DRILLED IN THE FIELD FOLLOWING DIMENSIONAL RESTRICTIONS GIVEN ON THIS SHEET.
 - 2) SEE SHEETS 5-17 FOR SUGGESTED APPROXIMATE HOLE LOCATIONS.
 - 3) SEE SHEETS 2-4 FOR GENERAL INSTALLATION METHODS.

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Dylan Calella

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Jane Herrin

Rev: 08/29/11
Date: 08/29/11
Checked By: J. ROSOWSKI
Drawing No.: 6300JR
Scale: N/A
Description: IMPACT-RESISTANT ALUMINUM TUBE MULLIONS
Sheet: 20 OF 22
Project: 1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276
(941) 480-1600

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0913.05
Expiration Date 05/26/2026
By: [Signature]
Miami-Dade Product Control





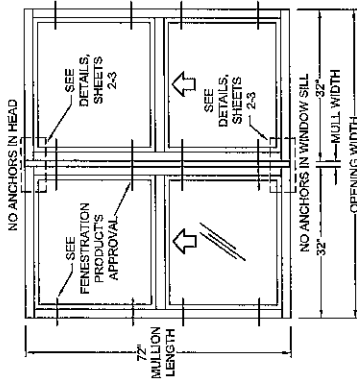
APPROVED

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C-WNDR-25-0123
Dylan Calella



7/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin

EXAMPLE 1: SINGLE VERTICAL MULLION



THE BUILDING SUBSTRATE IS KNOWN TO BE WOOD ON ALL FOUR SIDES. THE WINDOW FRAME DEPTH IS 2-1/4". THE OPENING REQUIRES A DESIGN PRESSURE OF +60.0-60.0 PSF.

- 1) INITIALLY ASSUMING THAT A 1" WIDE MULLION IS SUITABLE, THE MULLION LENGTH IS 72" AND THE OPENING WIDTH IS 32" X 32" = 1056". REFERENCING SHEET 22, THE COLUMN USING RECTANGULAR LOADING MUST BE USED. SCAN THE MULLION TABLES FOR A MULLION THAT IS AT LEAST THE WINDOW FRAME DEPTH OF 2-1/4" AND WILL MEET OR EXCEED THE REQUIRED DESIGN PRESSURE OF +60.0-60.0 PSF. IF THE TABLE DOES NOT SHOW THE EXACT SIZE, USE THE NEXT LARGER SIZE AVAILABLE.
- FROM TABLE 1A, SHEET 5, THE 1" X 2.75" X .375" MULLION (LENGTH = 72", OPENING WIDTH = 70") MEETS THE DESIGN PRESSURE IS +658.3 PSF AND WOULD NOT BE SUITABLE FOR THIS APPLICATION.
- FROM TABLE 2A, SHEET 6, THE 1" X 2.75" X .680" MULLION (LENGTH = 72", OPENING WIDTH = 70") HAS A DESIGN PRESSURE OF +72.7 PSF WHICH EXCEEDS THE REQUIREMENTS FOR THE OPENING AND MAY BE USED IN THIS APPLICATION. NOTE THE ANCHOR CAPACITY REQUIRED OF 636 LBS.
- 2) USE TABLE 2B TO FIND THE ANCHOR TYPE, ANCHOR QUANTITY AND CLIP TYPE REQUIRED FOR THE WOOD SUBSTRATE. BOTH THE STANDARD CLIP WITH (4) #12 ANCHORS AND THE 2X5 ANGLE CLIPS WITH (4) #12 ANCHORS HAVE A CAPACITY OF 885 LBS. THOUGH EITHER ONE COULD BE USED, THE STANDARD CLIP IS EASIER TO INSTALL.
- 3) VERIFY THE DESIGN PRESSURE OF THE FENESTRATION PRODUCTS USED WITH THIS MULLION SYSTEM. THE LOWER DESIGN PRESSURE, OF MULLIONS OR FENESTRATION PRODUCTS, WILL APPLY TO THE OVERALL ASSEMBLY. FINAL DESIGN PRESSURE REQUIRES THAT THE BOTH THE MULLION AND THE FENESTRATION PRODUCT BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION SPECIFICATIONS INTO RESPECTIVE SUBSTRATES AND FENESTRATION PRODUCTS TO MULLION.
- IN THIS EXAMPLE, THE DESIGN PRESSURE REQUIRED WAS +60.0 PSF. THE OVERALL MULLION SYSTEM WAS DETERMINED TO BE 72.7 PSF WITH AN ANCHOR CAPACITY OF 636 LBS. ALTERNATIVELY, THE ANCHOR CAPACITY ADJUSTMENT FORMULA COULD HAVE BEEN USED TO CALCULATE THE ANCHOR CAPACITY REQUIRED FOR THE EXACT DESIGN PRESSURE OF 60 PSF:

$$(60 \text{ PSF}) \times \left(\frac{636 \text{ LBS}}{72.7 \text{ PSF}} \right) = 524.9 \text{ LBS} \quad (\text{MAY BE USED TO QUALIFY \# 10 STEEL SCREWS FROM TABLE 2B})$$

THE BUILDING SUBSTRATE IS KNOWN TO BE CMU ON THE JAMBS AND USES A CONCRETE HEADER AND SILL. THE WINDOW FRAME DEPTH IS 2-3/8". THE OPENING REQUIRES A DESIGN PRESSURE OF +60.0/-55.0 PSF.

FOR THE VERTICAL MULLION:

- 1) INITIALLY ASSUMING THAT A 1" WIDE MULLION IS SUITABLE, THE MULLION LENGTH IS 32" X 72" = 1056" AND THE OPENING WIDTH IS 36" X 36" = 1296". REFERENCING SHEET 22, THE COLUMN USING RECTANGULAR LOADING SHALL BE USED. SCAN THE MULLION TABLES FOR A MULLION THAT IS AT LEAST THE WINDOW FRAME DEPTH OF 2-3/8" AND WILL MEET OR EXCEED THE REQUIRED DESIGN PRESSURE OF +60.0/-55.0 PSF. IF THE TABLE DOES NOT SHOW THE EXACT SIZE, USE THE NEXT LARGER SIZE AVAILABLE.
- FROM TABLE 1A, SHEET 5, THE 1" X 2.75" X .375" MULLION (LENGTH = 108", OPENING WIDTH = 80") MEETS THE DESIGN PRESSURE IS +415.1 PSF AND WOULD NOT BE SUITABLE FOR THIS APPLICATION.
- FROM TABLE 10A, SHEET 14, THE 2" X 4" X .250" MULLION (LENGTH = 108", OPENING WIDTH = 80") HAS A DESIGN PRESSURE OF +64.7 PSF WHICH EXCEEDS THE REQUIREMENTS FOR THE OPENING AND MAY BE USED IN THIS APPLICATION. NOTE THE ANCHOR CAPACITY REQUIRED OF 971 LBS.
- BECAUSE IT IS NOW KNOWN THAT THE MULLION WILL ADD 2" TO THE WIDTH OF THE MULLION UNIT. THE ADJUSTED OPENING WIDTH IS 38" X 38" = 1444". NOT 73" AS PREVIOUSLY ASSUMED. VERIFY THAT THE DESIGN PRESSURE IS STILL APPLICABLE FOR THE ADJUSTED OPENING. ALTERNATIVELY, THE WINDOW WIDTHS MAY BE REDUCED TO MAINTAIN THE 73" DIMENSION (36"-12"+35"-12"+2"-73").
- 2) USE TABLE 10B TO FIND THE ANCHOR TYPE, ANCHOR QUANTITY AND CLIP TYPE REQUIRED FOR THE CONCRETE SUBSTRATE. IN THIS EXAMPLE, ASSUME THE POURED CONCRETE HEADER AND SILL ARE 8" WIDE. IF THE MULLION CLIP WERE TO BE CENTERED WITHIN THE 8", CARE MUST BE TAKEN TO MAINTAIN THE FASTENERS' EDGE DISTANCE. USING THE STANDARD CLIP WITH (6) 3/16" ULTRACON+ ANCHORS AT AN EDGE DISTANCE OF 2-1/2" GIVES AN ANCHOR CAPACITY OF 1890 LBS WHICH IS GREATER, AND THEREFORE SUITABLE, FOR THE REQUIRED ANCHOR CAPACITY OF 971 LBS.

FOR THE HORIZONTAL MULLIONS:

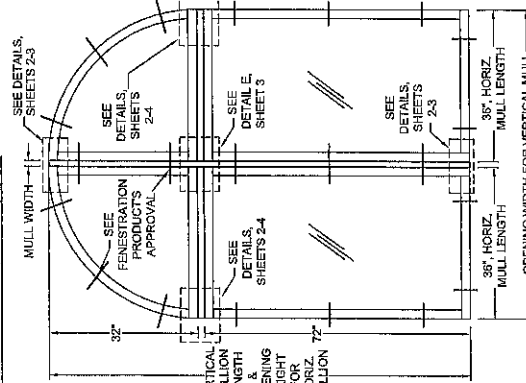
- BECAUSE THE VERTICAL MULLION WILL BE A 2" X 4" X .250" MULLION, IN THIS EXAMPLE WE WILL MATCH THE HORIZONTAL AND VERTICAL MULLIONS, ALTERNATIVELY, ANOTHER MULLION TYPE COULD BE CHOSEN.
- 1) THE MULLION LENGTH IS 36" AND THE OPENING HEIGHT IS 32" X 72" = 1056". REFERENCING SHEET 22, THE COLUMN USING TRAPEZOIDAL/TRIANGULAR LOADING MAY BE USED. FROM TABLE 10A, SHEET 14, THE 2" X 4" X .250" MULLION (@ LENGTH = 42", OPENING HEIGHT = 120") HAS A DESIGN PRESSURE OF +170.0 PSF WHICH EXCEEDS THE REQUIREMENTS FOR THE OPENING AND MAY BE USED IN THIS APPLICATION. NOTE THE ANCHOR CAPACITY REQUIRED OF 521 LBS.
- 2) USE TABLE 10B TO FIND THE ANCHOR TYPE, ANCHOR QUANTITY AND CLIP TYPE REQUIRED FOR THE CMU SUBSTRATE. IN THIS EXAMPLE, ASSUME THE CMU JAMBS ARE 8" WIDE. IF THE MULLION CLIP WERE TO BE CENTERED WITHIN THE 8", CARE MUST BE TAKEN TO MAINTAIN THE FASTENERS' EDGE DISTANCE. USING THE 2X5 ANGLE CLIPS WITH (4) 3/16" ULTRACON+ ANCHORS AT AN EDGE DISTANCE OF 2-1/2" GIVES AN ANCHOR CAPACITY OF 740 LBS WHICH IS GREATER, AND THEREFORE SUITABLE, FOR THE REQUIRED ANCHOR CAPACITY OF 521 LBS.
- 4) FOR THE U-CLIP IN THE HORIZONTAL MULLION TO VERTICAL MULLION, USE THE SAME ANCHOR CAPACITY OF 521 LBS. TABLE 10B FOR THE U-CLIP SHOWS THE ANCHOR CAPACITY IS 1074 LBS WHEN USING 3 ANCHORS, WHICH IS GREATER, AND THEREFORE SUITABLE, FOR THE REQUIRED ANCHOR CAPACITY REQUIREMENT OF 521 LBS. THE ANCHOR TYPE IS A #12 STEEL SCREW.

FROM THE ABOVE STEPS, OUR MULLION DESIGN PRESSURE IS:

- +64.7 PSF FROM THE VERTICAL MULLION;
 - +170.0 PSF FROM THE 36" HORIZONTAL MULLION ATTACHING TO CMU;
 - +170.0 PSF FROM THE 36" HORIZONTAL MULLION ATTACHING TO THE VERTICAL MULLION (INTERSECTION).
- THE LOWEST DESIGN PRESSURE IS +64.7 PSF AND WOULD APPLY TO ALL OF THE MULLIONS.

VERIFY THE DESIGN PRESSURE OF THE FENESTRATION PRODUCTS USED WITH THIS MULLION SYSTEM. THE LOWER DESIGN PRESSURE, OF MULLIONS OR FENESTRATION PRODUCTS, WILL APPLY TO THE OVERALL ASSEMBLY. FINAL DESIGN PRESSURE REQUIRES THAT THE BOTH THE MULLION AND THE FENESTRATION PRODUCT BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION SPECIFICATIONS INTO RESPECTIVE SUBSTRATES AND FENESTRATION PRODUCTS TO MULLION.

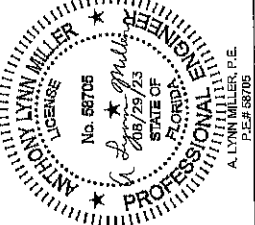
EXAMPLE 2: MULTIPLE MULLIONS



Title: IMPACT-RESISTANT ALUMINUM TUBE MULLIONS		Description: EXAMPLES	
Drawn By: J ROSOWSKI	Scale: N/A	Checked By: N/A	Drawn By: J ROSOWSKI
Date: 08/29/11	Revision: 08/29/11	Checked By: N/A	Date: 08/29/11
Sheet: 21 OF 22	Rev: E	Checked By: N/A	Date: 08/29/11
Custom Windows and Doors		N. VINCE P. 34275	
1070 TECHNOLOGY DRIVE		(941) 480-1600	

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0913.05
Expiration Date 05/26/2026

By
Miami-Dade Product Control





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Dylan Calella

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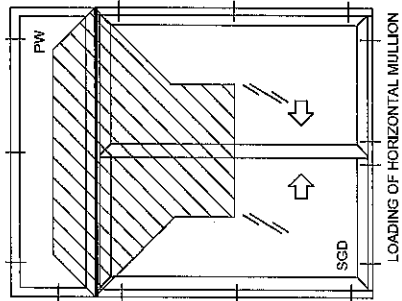
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2/25/2025, 11:28:05 AM

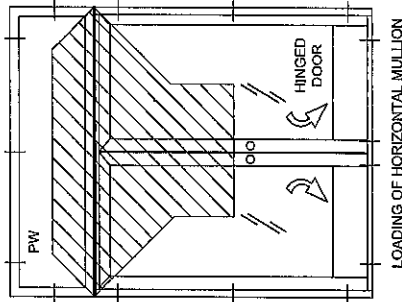
BC-WNDR-25-0123

Jane Herrin

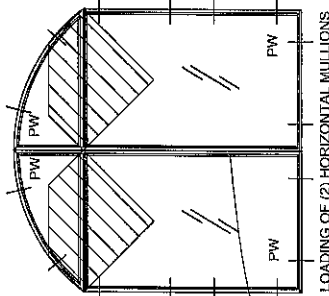
EXAMPLES OF TRAPEZOIDAL/TRIANGULAR LOADING:



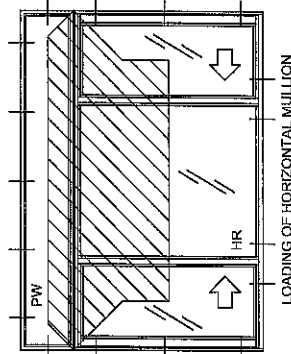
LOADING OF HORIZONTAL MULLION



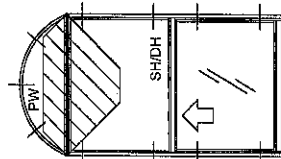
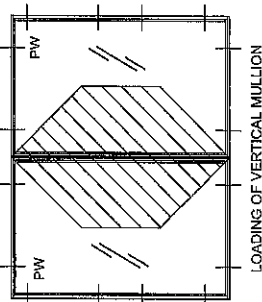
LOADING OF HORIZONTAL MULTION



LOADING OF (2) HORIZONTAL MULLIONS

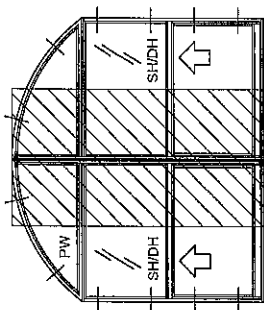
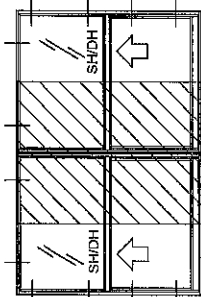


LOADING OF HORIZONTAL MILLION

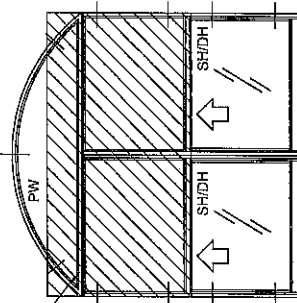
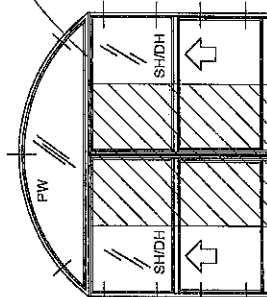
LOADING OF HORIZONTAL
MULLION

LOADING OF VERTICAL MULLION

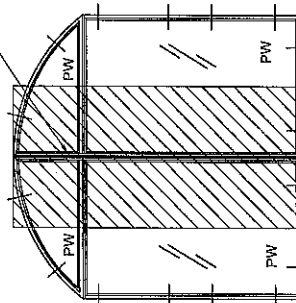
EXAMPLES OF RECTANGULAR LOADING:

LOADING OF VERTICAL MULLION
WITH INTERSECTING HORIZONTAL MULLIONS

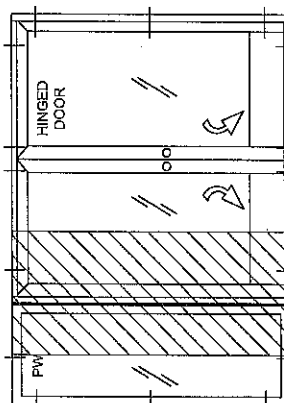
LOADING OF VERTICAL MULLION SILL OF WINDOWS NOT ANCHORED

LOADING OF HORIZONTAL MULLION
WITH INTERSECTING VERTICAL MULLION

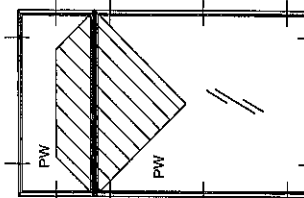
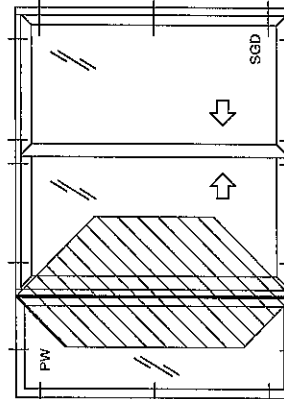
LOADING OF VERTICAL MULLION SILL OF WINDOWS NOT ANCHORED



LOADING OF VERTICAL MULLION WITH INTERSECTING HORIZONTAL MULLIONS



LOADING OF VERTICAL MULLION
PANEL OF HINGED DOOR IS NOT CAPTURED OR ANCHORED

LOADING OF HORIZONTAL
MULLIONLOADING OF VERTICAL
MILLION

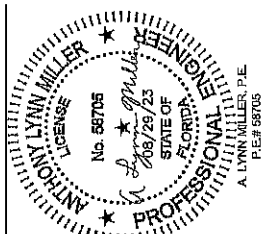
NOTES:

- 1) DRAWINGS ARE REPRESENTATIONS OF TYPICAL CONFIGURATIONS. CONFIGURATIONS NOT SHOWN MAY BE EXTRAPOLATED FROM THOSE SHOWN.
- 2) IF THE LOADING TYPE CANNOT BE DETERMINED, USE RECTANGULAR LOADING.
- 3) SEE PRODUCTS* FOR APPROVAL FOR ACTUAL ANCHOR LOCATIONS.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0913.05

Expiration Date 05/26/2026

By  Miami-Dade Product Control





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C-WNDR-25-0123

Dylan Calella



MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building

APPROVED



FIRE MARSHAL'S OFFICE

7/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

PGT Industries, Inc.
1070 Technology Drive
North Venice, FL 34275

SCOPE:

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

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

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

DESCRIPTION: Series "SH-5500" PVC Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-SH5500 REV D** titled "Single Hung Window Installation - LM", sheets 1 through 13 of 13, dated 05/15/15 and last revised on 07/05/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

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

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

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

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

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

This NOA revises NOA No. **20-0401.03** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 23-0707.12
Expiration Date: July 30, 2025
Approval Date: July 27, 2023
Page 1



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C-WNDR-25-0123

Dylan Calella

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's
A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 15-0519.05)
2. Drawing No. **MD-SH5500-01** titled "Single Hung Window Installation - LM", sheets 1 through 13 of 13, dated 05/15/15, with revision **B** dated 06/06/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 17-0630.05)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispace 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-8717**, **FTL-8968** and **FTL-8970**, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 16-0714.03)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5500 PVC single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7964**, dated 11/15/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0519.05)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 5500 PVC single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7966**, dated 08/21/14, signed and sealed by Idalmis Ortega, P.E.
(Submitted under NOA No. 15-0519.05)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-07071.12
Expiration Date: July 30, 2025
Approval Date: July 27, 2023



7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 05/15/15 and 08/29/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 15-0519.05)
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **16-1117.01** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 01/19/17, expiring on 07/08/19.
2. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.
3. Notice of Acceptance No. **16-0712.03** issued to **ENERGI Fenestration Solutions USA** for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 08/10/17, expiring on 02/28/18.
4. Notice of Acceptance No. **16-0712.04** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Bronze and Lighter Shades of Cap Coated White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 09/15/16, expiring on 04/16/20.
5. Notice of Acceptance No. **16-0712.05** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 09/15/16, expiring on 04/16/20.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, dated June 22, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 17-0630.05)
2. Statement letter of no financial interest, dated June 22, 2017, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
(Submitted under NOA No. 17-0630.05)
3. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.
(Submitted under NOA No. 16-0714.03)
4. Proposal issued by Product Control, dated 6/26/14 and revised on 8/19/14, signed by Jaime Gascon, P.E., Supervisor, Product Control Section.
(Submitted under NOA No. 15-0519.05)

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.12
Expiration Date: July 30, 2025
Approval Date: July 27, 2023



7/2025, 12:14:49 PM

C-WNDR-25-0123 **PGT Industries, Inc.**

Dylan Calella

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED



7/25/2025, 11:28:05 AM

BC-WNDR-25-0123

Jane Herrin

2. EVIDENCE SUBMITTED previous approval
A. DRAWINGS

1. Drawing No. **MD-SH5500-01** titled "Single Hung Window Installation - LM", sheets 1 through 13 of 13, dated 05/15/15, with revision **C** dated 03/10/20, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per ASTM F588 and TAS 202-94
along with marked-up drawings and installation diagram of all PGT Industries, Inc. representative units listed below and tested to qualify **Dowsil 791** and **Dowsil 983** silicones, prepared by Fenestration Testing Laboratory, Inc., Test Reports No.: **FTL-7897**, PGT PW5520 PVC Fixed Window (unit 6 in proposal), dated 09/03/14
FTL-20-2107.1, PGT SGD780 Aluminum Sliding Glass Door (unit 7 in proposal)
FTL-20-2107.2, PGT CA740 Alum. Outswing Casement Window (unit 8 in proposal)
FTL-20-2107.3, PGT PW7620A Aluminum Fixed Window (unit 9 in proposal) and
FTL-20-2107.4, PGT PW7620A Aluminum Fixed Window (unit 10 in proposal)
dated 07/13/20, all signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 05/15/15, 08/29/17 and updated on 03/10/20 to the new **FBC 7th Edition (2020)**, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

D. QUALITY ASSURANCE

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

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.12
Expiration Date: July 30, 2025
Approval Date: July 27, 2023



7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED under previous approval(CONTINUED)
E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their **"Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers"** dated 05/09/19, expiring on 07/08/24.
2. Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their **"Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer"** dated 05/23/19, expiring on 05/23/24.
3. Notice of Acceptance No. **18-0122.02**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 03/08/18, expiring on 02/28/23.
4. Notice of Acceptance No. **18-1217.15**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 01/17/19, expiring on 04/16/20.
5. Notice of Acceptance No. **18-1217.16**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**, approved on 01/17/19, expiring on 02/04/21.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. **19-1155 TP** issued by the Product Control Section, dated January 10, 2020, signed by Ishaq Chanda, P.E.

G. OTHERS

1. Notice of Acceptance No. **17-0630.05**, issued to **PGT Industries, Inc.** for their Series **"SH-5500" PVC Single Hung Window - L.M.I.** approved on 11/30/17 and expiring on 07/30/20.
2. *Notice of Acceptance No. **16-0714.03**, issued to **PGT Industries, Inc.** for their Series **"5500" PVC Single Hung Window - L.M.I.** approved on 08/18/16 and expiring on 07/30/20.*

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.12
Expiration Date: July 30, 2025
Approval Date: July 27, 2023



7/2025, 12:14:49 PM

C-WNDR-25-0123

Dylan Calella

PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

- 1.** Drawing No. **MD-SH5500-01REV D** titled "Single Hung Window Installation - LM", sheets 1 through 13 of 13, dated 05/15/15 and last revised on 07/05/23, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS (submitted under previous approval)

- 1. None.**

C. CALCULATIONS (submitted under previous approval)

- 1. None.**

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

- 1.** Notice of Acceptance No. **19-0305.02** issued to **Kuraray America, Inc.** for their "**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**" dated 05/09/19, expiring on 07/08/24.
- 2.** Notice of Acceptance No. **18-0725.11** issued to **Kuraray America, Inc.** for their "**Kuraray SentryGlas® Xtra™ (SGX™) Clear Glass Interlayer**" dated 05/23/19, expiring on 05/23/24
- 3.** NOA No. **21-1109.04** issued to Vision Extrusions Group Limited, for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 09/30/24.
- 4.** NOA No. **22-0104.04** issued to Vision Extrusions Group limited for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**", expiring on 04/16/25.
- 5.** NOA No. **20-0203.04** issued to **ENERGI Fenestration Solutions USA, Inc.** for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/27/20, expiring on 04/16/25.

F. STATEMENTS

- 1.** Statement letter of conformance, complying with **FBC 7th Edition (2020)** and the **FBC 8th Edition (2023)**, dated 07-05-23, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
- 2.** Statement letter of conformance, complying with **FBC 6th Edition (2017)** and the **FBC 7th Edition (2020)**, dated March 10, 2020, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. (submitted under previous approval)

G. OTHERS

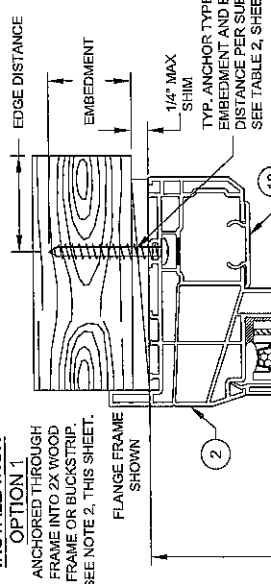
- 1.** *This NOA revises NOA No. 20-0401.03, expiring on 07/30/25.*

Ishaq I. Chanda

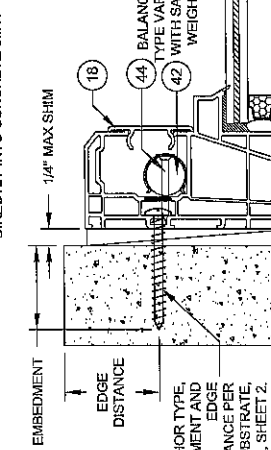
Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0707.12
Expiration Date: July 30, 2025
Approval Date: July 27, 2023

INSTALLATION DETAILS FOR FLANGE & EQUAL-LEG/BOX FRAMES

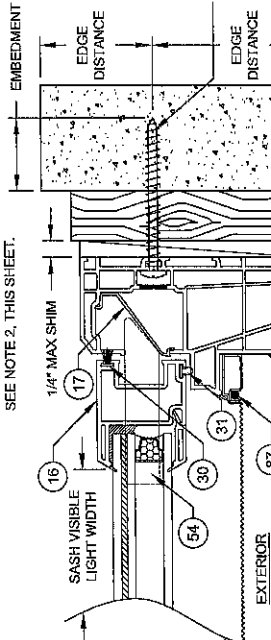
INSTALLATION
OPTION 1



INSTALLATION OPTION 2
ANCHORED THROUGH FRAME
DIRECTLY INTO CONCRETE/CMU.



INSTALLATION OPTION 3
ANCHORED THROUGH FRAME AND 1X
BUCKSTRIP INTO CONCRETE/CMU.
SEE NOTE 2, THIS SHEET.



FOR ALL WINDOWS:
1) ANCHOR @ 3.55\"/>

FROM END AND AT CENTER.

FOR WINDOWS OVER 36\"/>

ADD ADDITIONAL SCREWS @ 16-38\"/>

FROM END.

FOR WINDOWS WITH BOTTOM LOCKS:
ADD ADDITIONAL SCREWS @ 8-38\"/>

FROM END.

USE EITHER LATCH OR BOTTOM LOCK. TESTED UNIT LOCATION: 6-5/8\"/>

FROM SASH END.

NO ANCHORS REQUIRED IN FLANGE OR EQUAL-LEG/BOX FRAME SILLS

27\"/>

WEEP-HOLE W/COVER @ 2.87\"/>

EACH END.

INTERIOR WEEP NOTCHES AT EACH END.

OPT. 1\"/>

80

81

86

88

30

31

16

64

65

66

67

NOTES:

1) USE ONLY SUBSTRATE-APPROPRIATE ANCHORS LISTED ON TABLE 2, SHEET 2. FOLLOW EMBEDMENT AND EDGE DISTANCE LIMITS. ANY INSTALLATION OPTION SHOWN MAY BE USED ON ANY SIDE OF THE WINDOW.

2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2\"/>

CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2\"/>

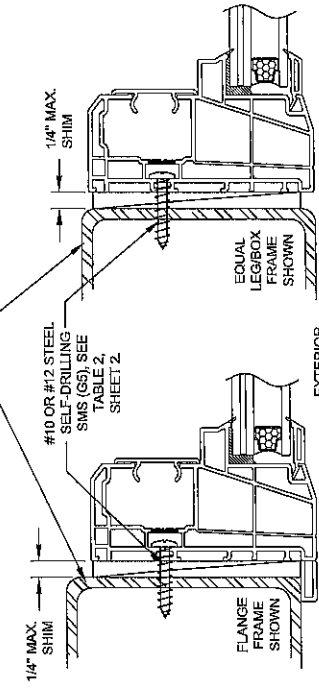
OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

3) VISIBLE LIGHT WIDTH OR HEIGHT (ALSO REFERRED TO AS DAYLIGHT OPENING) IS MEASURED FROM BEADING TO BEADING.

4) ALL ANCHOR HEAD TYPES ARE ACCEPTABLE.

HORIZONTAL SECTION A-A

DADE APPROVED MULLION, FSC COMPLIANT ALUMINUM/STEEL FRAMING OR STEEL STUD. MAY BE VERTICAL OR HORIZONTAL. SEE SUBSTRATE PROPERTIES, TABLE 2, SHEET 2.



INSTALLATION
OPTION 4
ANCHORED THROUGH
FRAME INTO METAL

EXTERIOR

INSTALLATION
OPTION 4
ANCHORED THROUGH
FRAME INTO METAL

EXTERIOR

VISIBLE LIGHT FORMULAS

WIDTH @ SASH: BUCK WIDTH - 6-1/2\"/>

@ FIXED LITE: BUCK WIDTH - 4-3/8\"/>

HEIGHT (EQUAL-LITE) BUCK HEIGHT/2 - 3-15/16\"/>

VERTICAL SECTION B-B

ANTHONY LYNN MILLER
No. 58705
07/05/23
STATE OF FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705

PGT
Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

DATE: 05/15/15
BY: JENS ROSOWSKI
CHECKED: JENS ROSOWSKI
DATE: 07/05/23

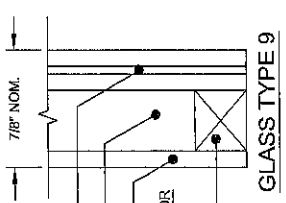
ANCHOR HEAD TYPE NOTE - LY

SH5500 3 OF 13 SH5500-NOA

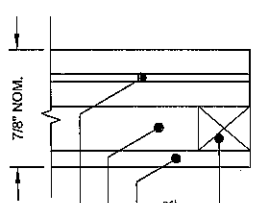
PRODUCT REVISED
Building Code with the Florida
NOA-No. 23-0707-12
Expiration Date 07/30/2025
By: Ishay L. L. L. L.
Miami-Dade Product Control

7/2025, 12:14:49 PM
C-WNDR-25-0123
Dylan Calella

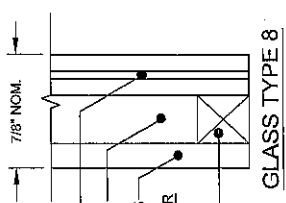
7/25/2025, 11:28:05 AM
BC-WNDR-25-0123
Jane Herrin



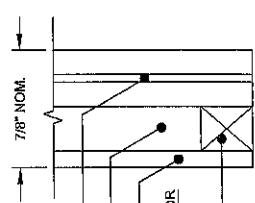
GLASS TYPE 9



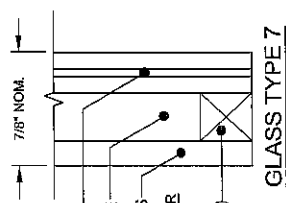
GLASS TYPE 14



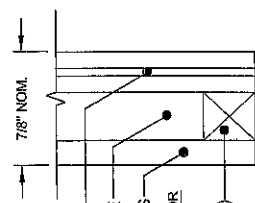
GLASS TYPE 8



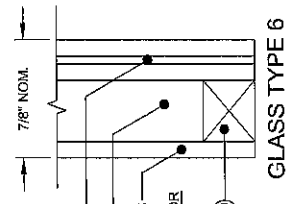
GLASS TYPE 13



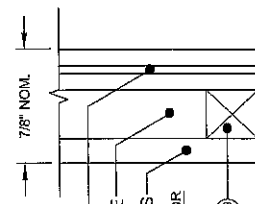
GLASS TYPE 7



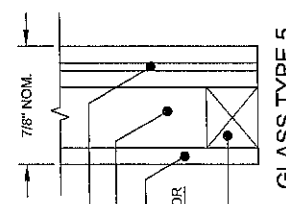
GLASS TYPE 12



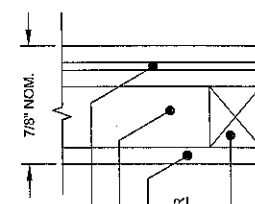
GLASS TYPE 6



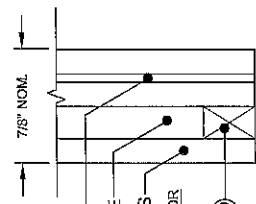
GLASS TYPE 11



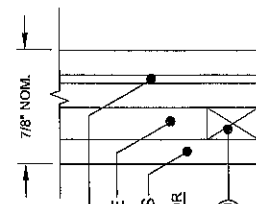
GLASS TYPE 5



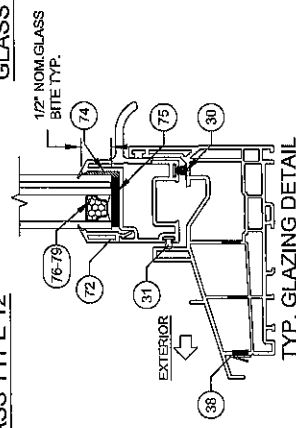
GLASS TYPE 10



GLASS TYPE 16



GLASS TYPE 15



TYP. GLAZING DETAIL

GLASS TYPES 9 THROUGH 16 MAY NOT BE USED WITH U-CHANNEL OR INTEGRAL FIN FRAMES

GLASS TYPES 5, 7, 9, 11, 13 & 15 MAY NOT BE USED IN THE HVHZ ABOVE 30°.

GLAZING NOTES:
"A" = ANNEALED
"H" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC.
"SG" = .090" SENTRYGLASS® BY KURARAY AMERICA, INC.

FOR LAMINATED GLAZING COMPONENTS, SEE TABLE 1, SHEET 2.

ANTHONY LYNN MILLER
No. 58705
06/05/23
STATE OF FLORIDA
ENGINEER
PROFESSIONAL
A. LYNN MILLER, P.E.
P.E.# 58705

PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275		REGISTRATION #29296	
Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		VINYL SINGLE HUNG WINDOW (LM) 05/15/15	
PGT		JENS ROSOWSKI	
GLAZING DETAILS		07/05/23	
NO CHANGES THIS SHEET - LY		SH5500-NOA	
5 OF 13		D	
PRODUCT REVISED as complying with the Florida Building Code NOA-No. 23-0707.12 Expiration Date 07/30/2025 By Ishay L. Chack Miami-Dade Product Control			

TABLE 5:
Glass Types
6, 7 & 8

Design Pressure, lbs/ft²
+/- 50.0

Reinft. Level
R2

For all window and sash sizes

SEE TABLE 10, SHEET 9 FOR
ANCHOR GROUP AND QUANTITY.

TABLE 5:
Glass Type
R2

Bottom Sash
Description for given
Range @ Window
Height Shown

Sash Height
Range (in)

Design Pressure, lbs/ft²
Window Buck Width (in)

Window Buck Height (in)

23.5	Equal-Itie 17.354	14.517 - 15.070	+65.0 - 70.0	+65.0 - 70.0	52.125
28	Equal-Itie 17.683 - 14.316	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 11.377 - 11.592	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 26.517 - 26.288	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.988 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
37.975	Standard Profile 17.517 - 20.957	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 27.683 - 31.011	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
44	Custom Size 36.517 - 27.682	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 23.517 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.917 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 17.517 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 31.583 - 35.911	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
48	Standard Profile 26.517 - 31.582	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.917 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 17.517 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 33.288 - 37.328	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
48.925	Standard Profile 26.517 - 33.287	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.917 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 17.517 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 36.517 - 41.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
62	Standard Profile 31.517 - 36.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 26.517 - 31.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 23.517 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 20.917 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 17.517 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 38.517 - 41.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
75	Standard Profile 36.517 - 38.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 32.517 - 36.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 28.517 - 32.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 26.517 - 28.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 24.984 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 20.917 - 24.983	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 18.917 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 16.917 - 18.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 41.644 - 46.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
84	Standard Profile 41.644 - 46.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
91.75	Tallest	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	

TABLE 4:
Glass Types
5, 6, 7 & 8

Design Pressure, lbs/ft²
+/- 50.0

Reinft. Level
R1

For all window and sash sizes

SEE TABLE 9, SHEET 8 FOR
ANCHOR GROUP AND QUANTITY.

TABLE 4:
Glass Type
R1

Bottom Sash
Description for given
Range @ Window
Height Shown

Sash Height
Range (in)

Design Pressure, lbs/ft²
Window Buck Width (in)

Window Buck Height (in)

23.5	Equal-Itie 17.354	14.517 - 15.070	+65.0 - 70.0	+65.0 - 70.0	52.125
28	Equal-Itie 17.683 - 14.316	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 11.377 - 11.592	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 26.517 - 26.288	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.988 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
37.975	Standard Profile 17.517 - 20.957	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 27.683 - 31.011	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
44	Custom Size 36.517 - 27.682	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 23.517 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.917 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 17.517 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 31.583 - 35.911	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
48	Standard Profile 26.517 - 31.582	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.917 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 17.517 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 33.288 - 37.328	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
48.925	Standard Profile 26.517 - 33.287	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 20.917 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 17.517 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 36.517 - 41.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
62	Standard Profile 31.517 - 36.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 26.517 - 31.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 23.517 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 20.917 - 23.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 17.517 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 14.517 - 17.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 11.377 - 14.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 38.517 - 41.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
75	Standard Profile 36.517 - 38.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 32.517 - 36.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 28.517 - 32.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 26.517 - 28.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Equal-Itie 24.984 - 26.516	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Standard Profile 20.917 - 24.983	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Custom Size 18.917 - 20.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Shortest 16.917 - 18.916	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
	Tallest 41.644 - 46.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
84	Standard Profile 41.644 - 46.644	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	
91.75	Tallest	+65.0 - 70.0	+65.0 - 70.0	+65.0 - 70.0	

SECTION DETAIL FOR WINDOWS WITH
LEVEL R2 REINFORCEMENT & GLASS TYPES 5, 6, 7 & 8
(REINFORCEMENTS SHOWN IN FIGURES ABOVE
APPLY TO ALL FRAME TYPES &
CONFIGURATIONS)

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/05/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A LYNN MILLER, P.E.
P.E.# 58705

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1800

REGISTRATION #29296
05/15/15
JENS ROSOWSKI
DESIGN PRESSURE TABLE
NO CHANGES THIS SHEET - LY
SH5500-NOA
6 OF 13
SH5500
07/05/23
Rev

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as complying with the Florida
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NOA-No. 23-0707.12
Expiration Date 07/30/2025
By *Anthony L. Miller*
Miami-Dade Product Control

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(941) 480-1800

VINYL SINGLE HUNG WINDOW (LM)
DESIGN PRESSURE TABLE
NO CHANGES THIS SHEET - LY
SH5500-NOA
6 OF 13
SH5500
07/05/23
Rev

NOTES:

- 1) USE THESE TABLES FOR ALL WINDOWS INSTALLED THROUGH THE FRAME OR INTEGRAL FIN.
- 2) FRAME DIMENSIONS ARE BUCK. SASH HEIGHT IS AS PER THE FIGURE.
- 3) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.

Max Anchor O.C. Spacing for
"Integral-Fin" Installation

4"

Anchor Group D	15" Wide		24" Wide		32" Wide		40" Wide		48" Wide		52-18" Wide	
	Header	Below MR	Header	Below MR	Header	Below MR	Header	Below MR	Header	Below MR	Header	Below MR
23.5	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
20	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
37.25	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
44	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
48	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
48.025	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
62	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
75	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
84	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage
91.78	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage	Standard Collage

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/05/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A LYNN MILLER, P.E.
P.E.# 58705

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Custom Windows and Doors
1070 TECHNOLOGY DRIVE
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(941) 480-1600

REGISTRATION #29206

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34276

05/15/15
JENS ROSOWSKI
ANCHOR QUANTITY TABLE
NO CHANGES THIS SHEET - LY
SH5500
9 OF 13
SH5500-NOA
D

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By Istiny I. Chahin
Miami-Dade Product Control

SEE TABLES 5 & 6, SHEET 6 FOR DESIGN PRESSURES WHEN USING THIS TABLE.
** MIN. SASH HEIGHT = WINDOW BUCK HEIGHT - 50.136
(APPLIES TO ANY HEIGHT 91.78" OR LESS)

NOTES:

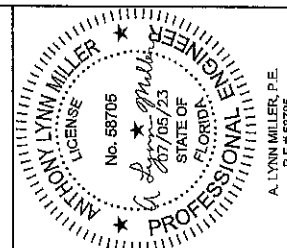
- 1) USE THE ABOVE "ANCHOR QUANTITIES REQUIRED"..... * TABLE FOR ANCHORS INSTALLED THROUGH THE FRAME.
- 2) USE THE ABOVE "MAX. ANCHOR O.C. SPACING"..... * TABLE FOR ANCHORS INSTALLED THROUGH THE INTEGRAL FIN.
- 3) FRAME DIMENSIONS ARE BUCK. "MR" = MEETING RAIL.
- 4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
- 5) REFER TO TABLES 2 & 3, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.



5/2025, 11:28:05 AM

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Jane Herrin



PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275

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NOA-No. **23-0707.12**
Expiration Date **07/30/2025**
By Shang L. Chan
Miami Trade Product Control

1) FRAME DIMENSIONS ARE BUCK. "MR" = MEETING RAIL.
2) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION SHOWN ON THE TABLE.
3) REFER TO TABLES 2, SHEET 2 FOR ANCHOR GROUP DESCRIPTIONS.

[illegible]



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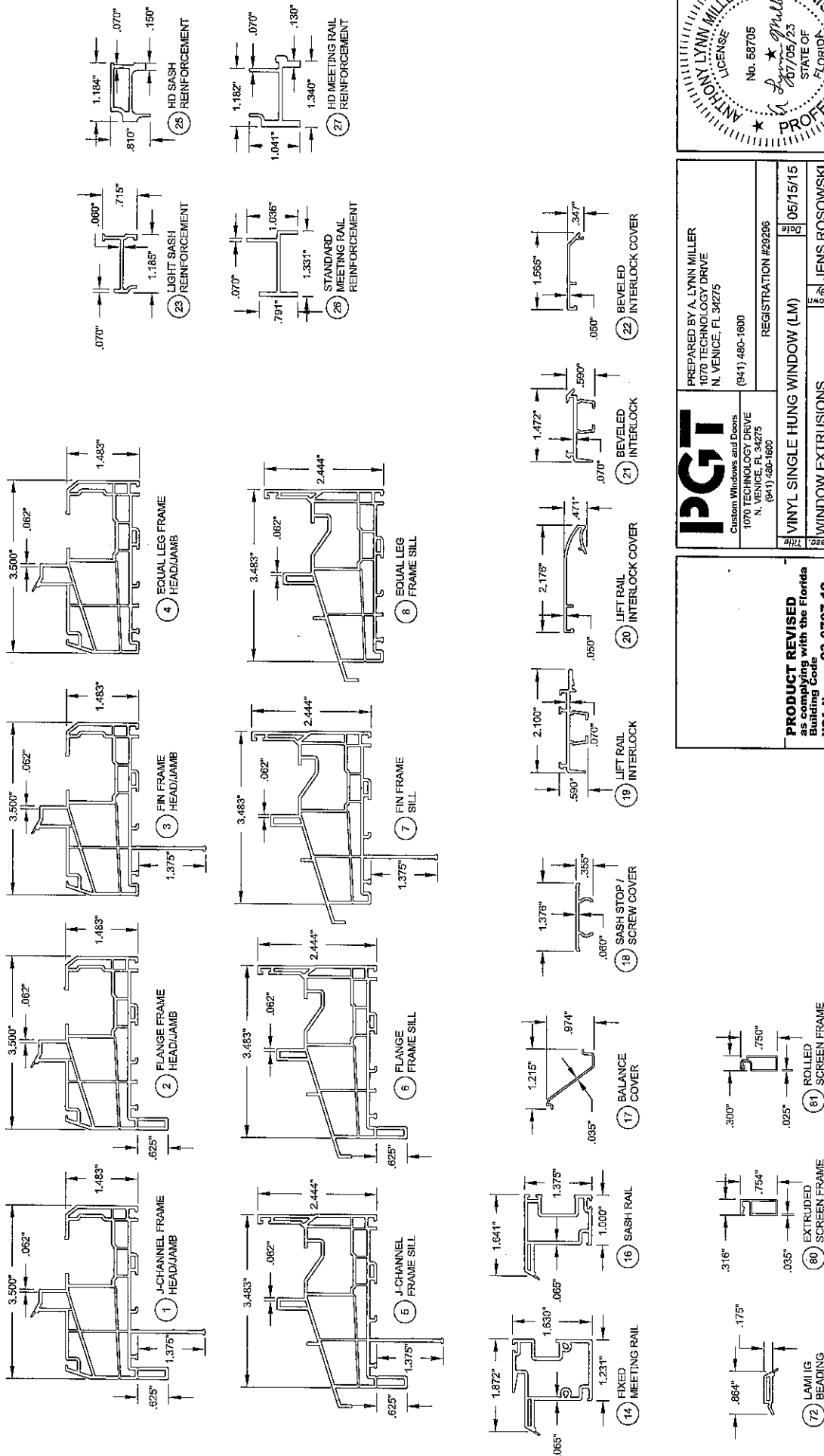


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Miami-Dade Product Control

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Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600
REGISTRATION #29296
VINYL SINGLE HUNG WINDOW (LM)
05/15/15
JENS ROSOWSKI
WINDOW EXTRUSIONS
NO CHANGES THIS SHEET - LY
11 OF 13
SH5500-NOA
D

ANTHONY LYNN MILLER
LICENSE
No. 58705
07/05/23
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



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TABLE 12, CONT.:

Bill of Material			Bill of Material, cont	
#	Part #	Description	Material	
45	720197	Auto Lock Mechanism	C Steel	
46	720198&9	Sweep Lock	Cast Zinc	
47	720195&6	Auto Lock Cover Assembly	Cast Zinc	
48	76X1780PTX	#6 x 1-1/8" Ph. FH SDS (Auto and Sweep Lock Screw)	SS	
49	720200	Auto and Sweep Lock Keeper	Cast Zinc	
50	77634UPPA	#6 x 3/4" Ph. PH SDS (Keeper Screw)	SS	
51	420181 L/R	Beveled Tilt Latch Corner Key	PVC	
52	420182 L/R	Pull Rail Tilt Latch Corner Key	PVC	
53	7634PHFL	#6 x 3/4" Ph. FH SDS (Corner Key Screw)	SS	
54	420183	Tilt Latch	PVC	
55	420184	Tilt Latch Retainer	PVC	
56	720207	1" Tilt Latch Spring	SS	
57	420186	Plastic Tilt Latch Finger Pull	PVC	
58	720192	Metal Tilt Latch Finger Pull	Cast Zinc	
59	420180	Pivot Bar Corner Key	PVC	
60	720205	Pivot Bar	SS	
63	720191	Sash Pull Handle	Cast Zinc	
64	720194	Sash Pull Handle With Latch Assembly	Cast Zinc	
65	7834FPT	#8 x 3/4" Ph. FH SDS (Pull Handle Screw)	SS	
66	420188	Bottom Latch Strike Plate	Cast Zinc	
67	77858B	#8 x 5/8" Ph. FH SMS (Strike Plate Screw)	SS	
72	720135	Lami I.G. Read	PVC	
74		Backbedding, GE 7700 or Dow 791 or Dow 983	Silicone	
75	71646N	Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro.	EPDM	
80	61012	Extruded Screen Frame	Alum	
81	61011	Roll-Formed Screen Frame	Alum	
82	7CKGLB21	Screen Corner Key for Extruded Frame X4	PVC	
83	47042	Screen Corner Key with Pull Ring X2	PVC	
84	47041	Screen Corner Key without Pull Ring X2	PVC	
85	7CASP6M	Tension Spring	SS	
86	61816C48	Screen Cloth	Fiberglass	
87	61635/61614	140" Screen Spline (Machine/Hand Rolled)	Vinyl	

TABLE 12

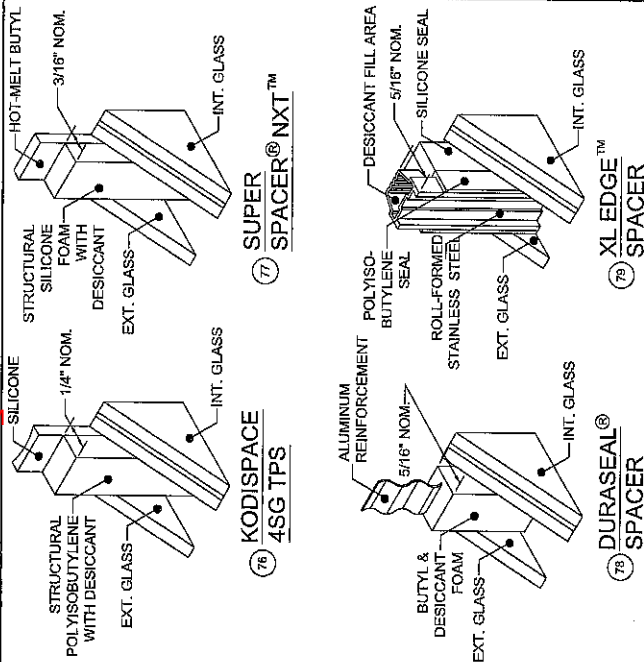
Bill of Material			Material	
#	Part #	Description	Material	
1	620101	Single Hung Frame Head & Jambs - J-Channel	PVC	
2	620102	Single Hung Frame Head & Jambs - Flange	PVC	
3	620103	Single Hung Frame Head & Jambs - Fin	PVC	
4	620104	Single Hung Frame Head & Jambs - Equal Leg/Box	PVC	
5	620105	SH/DH Frame Sill - J-Channel	PVC	
6	620106	SH/DH Frame Sill - Flange	PVC	
7	620107	SH/DH Frame Sill - Fin	PVC	
8	620108	SH/DH Frame Sill - Equal Leg/Box	PVC	
14	620131	Fixed Meeting Rail	PVC	
16	620129	Sash Rail (Slides, Top & Bottom)	PVC	
17	620134	Balance Cover	PVC	
18	620133	Sash Stop/Screw Cover	PVC	
19	620156	Pull Rail Interlock	6005 TS AI	
20	620144	Pull Rail Interlock Cover	PVC	
21	620167	Beveled Interlock	6005 TS AI	
22	620145	Beveled Interlock Cover	PVC	
23	620150	Light Sash Reinforcement	6063 TS AI	
25	620152	HD Sash Reinforcement	6063 TS AI	
26	620153	Standard Meeting Rail Reinforcement	6005 TS AI	
27	620154	HD Meeting Rail Reinforcement	6005 TS AI	
30	61644	Weatherstrip, .187" x .270" Fin Pile	Flex PVC	
31	6Q300	Weatherstrip, .190" x .300" Foam Bulb		
32	61719	Weatherstrip, .187" x .220" PolyPile		
33	61825	Weatherstrip Plug, .220" Finseal		
35	78X1M1TT	#8 x 1" Ph. PH SDS (Interlock Mounting Screw)		
36	78X3T1PX	#8 x 3" Ph. PH SMS (Meeting Rail Screw)	410 SS	
37	71669SP	Meeting Rail Screw Support Plate	6063 TS AI	
38	720210	Weep Hole Cover	PVC	
40	720XXXX	Constant Force Balance		
41		#8 x 3/4" Ph. FH SMS (Con. Force Balance Screw)	SS	
42		Spiral Balance		
43	720205	Spiral Balance Shoe	Nylon	
44	78X114FPAX	#8 x 1-1/4" Ph. FH SMS (Spiral Balance Screw)	410 SS	

Part #	Description	Material
76	Kommerling 4SG TPS Spacer System	See this Sheet for Materials
77	Quanex Super Spacer nXT with Hot Melt Butyl	
78	Quanex Duraseal Spacer	
79	Cardinal XL Edge Spacer	

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

NOTES:

- 1) PVC BY VISION EXTRUSION, LTD., TO BE LABELED FOR AAMA EXTRUDER CODE.
- 2) ITEMS # 9-13, 15, 24, 28, 29, 39, 61, 62, 68-71, & 73 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.



PGT
Custom Windows and Doors
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

PREPARED BY A. LYNN MILLER
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941) 480-1600

REGISTRATION #29296

VINYL SINGLE HUNG WINDOW (LM)

BILL OF MATERIALS

CHANGED EXTRUDER TO VISION - LY

SH5500

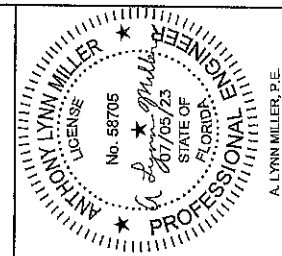
12 OF 13

SH5500-NOA

D

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NOA No. 23-0707.12

Expiration Date 07/30/2025
By: Cheryl L. Linnick
Miami-Dade Product Control





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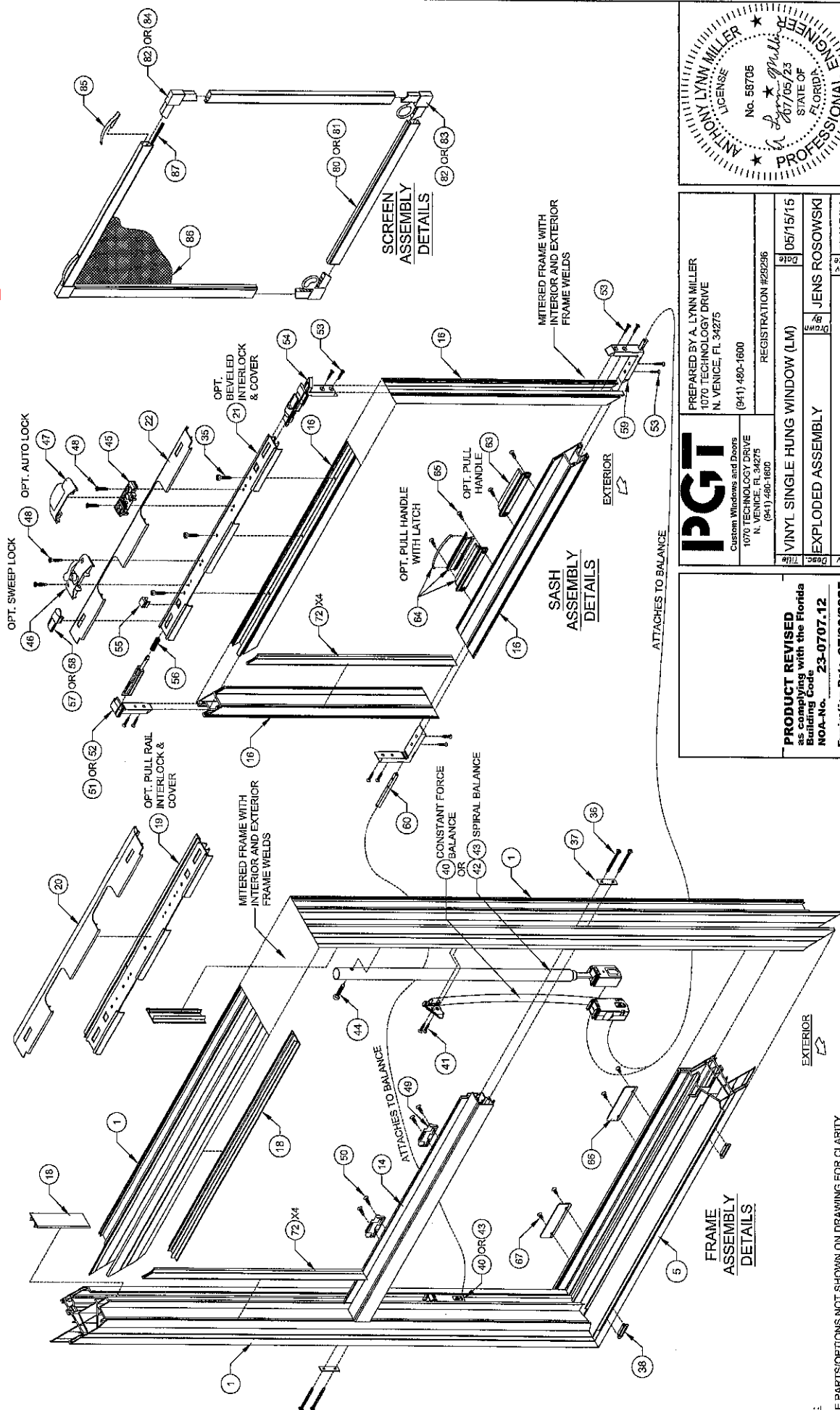


FIRE MARSHAL'S OFFICE

2/25/2025, 11:28:05 AM

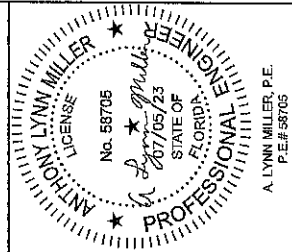
BC-WNDR-25-0123

Jane Herrin



NOTES:

- 1) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.
- 2) J-CANAL FRAME SHOWN, PARTS # 1 & 5. OTHER FRAME TYPES APPLY.
- 3) FOR REINFORCEMENT TYPES, SEE DETAILS ON SHEETS 6 & 7.
- 4) USE EITHER SASH TOP LOCKS OR SASH BOTTOM LOCKS.



PGT	Custom Windows and Doors 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600		PREPARED BY A. LYNN MILLER 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	
			REGISTRATION #29296	
Title	Desc	By	Rev	Date
VINYL SINGLE HUNG WINDOW (LM)	EXPLODED ASSEMBLY	JENS ROSOWSKI		05/15/15
Sheet 13 OF 13	NO CHANGES THIS SHEET - LY		Rev Date	07/05/23
SH5500	13 OF 13	SH5500-NOA	Rev	D

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Building Code
NOA-No. **23-0707.12**
Expiration Date **07/30/2025**
By 1502 J. L. Hobb
Miami-Dade Product Control

Wilson Window

SHITEYMAN, DMITRY

Job Name: 3806 Gulf of Mexico Dr 203

Address: Longboat Key, FL 34228 - 2738

Measured By: Efen

Date: 5-29-25

Manufacturer: P5+

Impact Yes / no

Aluminum (TTY) / Vinyl (DLO)

(CWS Aluminum is DLO)

Location	Type	Color	Size To Order	Leg Height	DLO / TTY	Frame Type	Temp	Screen	Grids	OBS	LowE	WOCD	Notes / Operation
1 Master	CH	M-N	DLO						✓				
2 Master	PIC	M-N	107'14" x 61'3/4"						✓				
3 Master	SH	M-N							✓				
4 Bed 2	SH	M-N							✓				
5 Bed 2	PIC	M-N	107'14" x 61'3/4"						✓				
6 Bed 2	SH	M-N							✓				
7 Living	SH	M-N	51'7/8" x 49'3/8"						✓				0R1e2 17'1/2. only on top of the
8 Living	SH	M-N							✓				
9 Living	PIC	M-N	109'18" x 61'3/4"						✓				
10 Living	SH	M-N											
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													

Additional Equipment / Installation Notes:



6/25/2025, 11:27:40 AM
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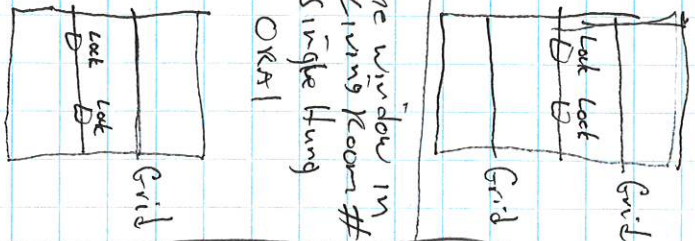


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Dylan Calella

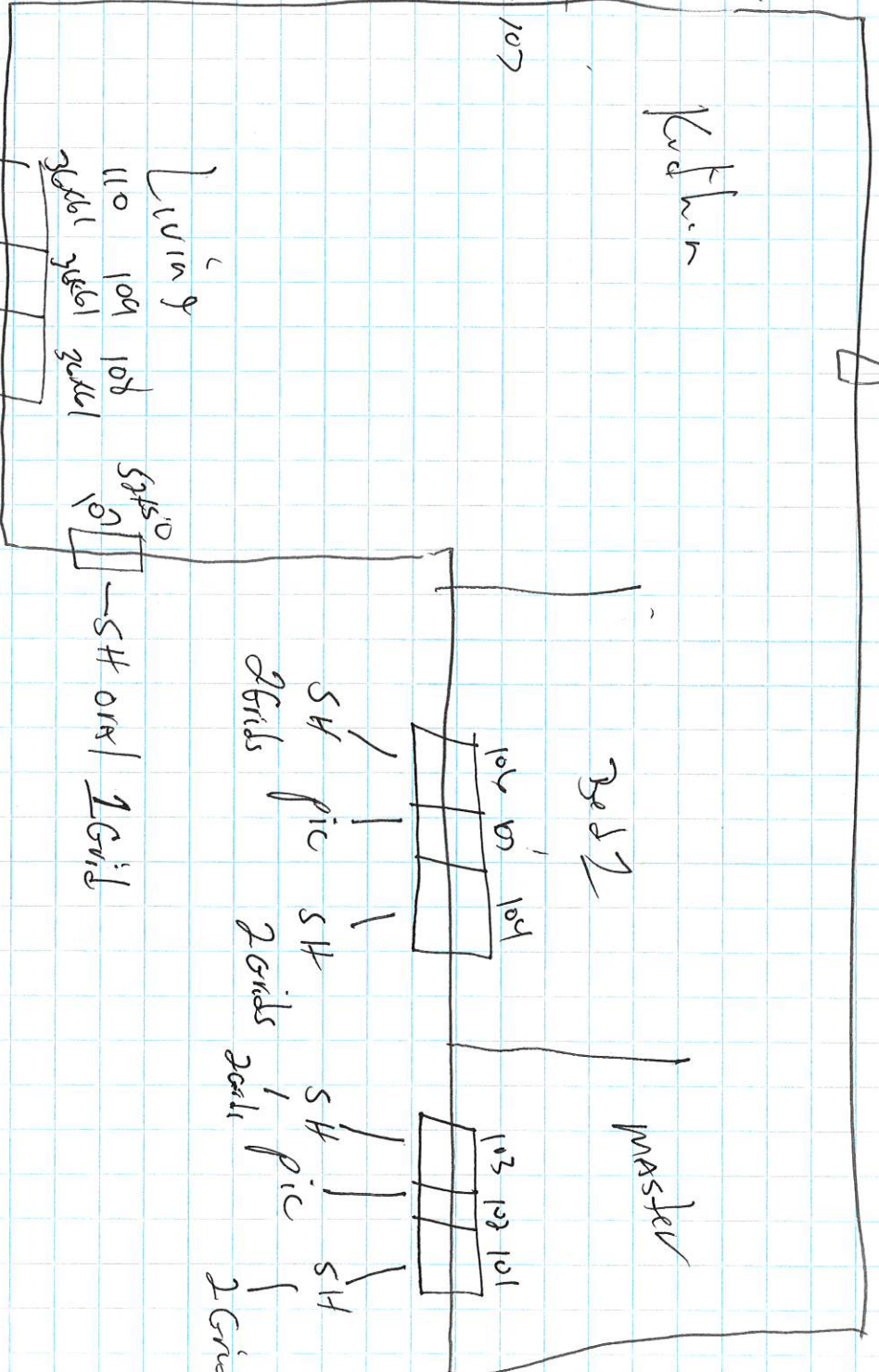
#101, 103
Bedrooms 104, 106
a living room 107, 110

Single Hing

Front Door



One window in
Living room #
Single Hing
OKAY



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REVIEWED FOR
CODE COMPLIANCE
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7/2025, 12:14:30 PM
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Dylan Calella

Dmitry Shokryman Dr C203
3806 Gulf of Mexico
Longport Key FL 34128



5/2025, 11:27:40 AM

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Jane Herrin



7/2025, 12:14:00 PM

C-WNDR-25-0123

Dylan Galella

