MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

# 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 "CA-5540" Outswing PVC Casement Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **MD-5540C.0** titled "Vinyl Casement Window NOA (LM)", sheets 1 through 11 of 11, dated 09/09/14, with revision A dated 05/05/16, 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# 15-0420.11** 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 **Manuel Perez, P.E.**

MIAMI-DADE COUNTY APPROVED

8/19/16

**NOA No. 16-0714.11**
**Expiration Date: September17, 2020**
**Approval Date: August 25, 2016**

**PGT Industries, Inc.**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### A. DRAWINGS

1. Manufacturer's die drawings and sections.
   ***(Submitted under previous NOA No. 15-0420.11)***
2. Drawing No. **MD-5540C.0** titled "Vinyl Casement Window NOA (LM)", sheets 1 through 11 of 11, dated 09/09/14, with revision A dated 05/05/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

### 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.
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 CA5540/CA5440 vinyl outswing casement windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8179**, dated 03/31/14, signed and sealed by Idalmis Ortega, P.E.
   ***(Submitted under previous NOA No. 15-0420.11)***
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 a series 5540/5440 vinyl fixed windows w/tube mullion, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-8174**, dated 03/31/14, signed and sealed by Idalmis Ortega, P.E.
   ***(Submitted under previous NOA No. 15-0420.11)***
4. Reference awning window test report No. **FTL-8183**, per TAS 201, 202 & 203-94, with an addendum issued by Fenestration Testing Lab
   ***(Submitted under previous NOA No. 15-0420.11)***

**Manuel Perez, P.E.**
**Product Control Examiner**
**NOA No. 16-0714.11**
**Expiration Date: September17, 2020**
**Approval Date: August 25, 2016**

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 08/28/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. ***(Submitted under previous NOA No. 15-0420.11)***
2. Glazing complies with **ASTM E1300-09**

### D. QUALITY ASSURANCE

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

### E. MATERIAL CERTIFICATIONS (CONTINUED)

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their **"Butacite® PVB Glass Interlayer"** dated 04/25/15, expiring on 12/11/16.
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. **12-1120.02** issued to Royal Window and Door Profiles, Plant 13 for their "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/28/13, expiring on 02/28/18.
4. Notice of Acceptance No. **14-0529.13** issued to Royal Window and Door Profiles, Plant 13 for their "**Bronze and Lighter Shades of Cap Coated Rigid PVC Exterior Extrusions for Windows and Doors**" dated 04/16/15, expiring on 04/16/20.
5. Notice of Acceptance No. **14-0529.14** issued to Royal Window and Door Profiles, Plant 13 for their "**Performance Core Rigid PVC Exterior Extrusions for Windows and Doors**" dated 04/16/15, expiring on 04/16/20.

### F. STATEMENTS

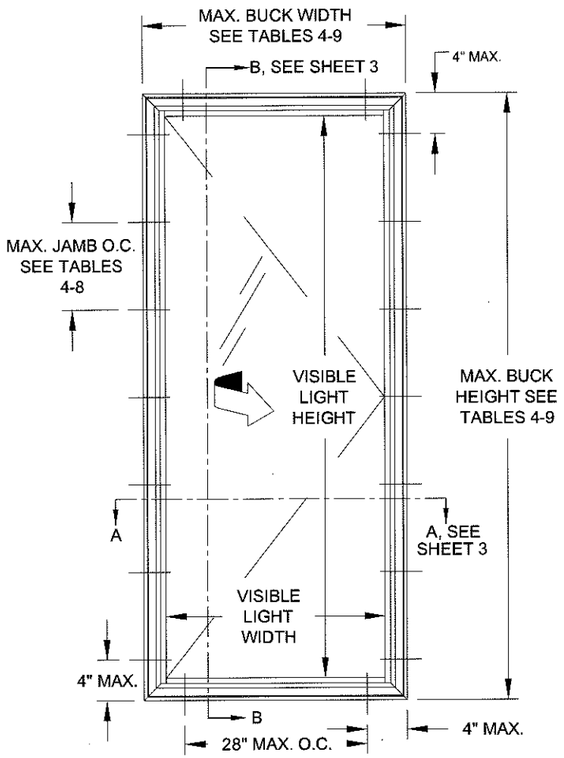
1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, dated April 16, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. ***(Submitted under previous NOA No. 15-0420.11)***
2. Statement letter of no financial interest, dated April 16, 2015, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E. ***(Submitted under previous NOA No. 15-0420.11)***
3. Proposal issued by the Product Control Section, dated 09/29/14 and revised on 10/15/14, signed by Jaime D. Gascon, P.E. ***(Submitted under NOA No. 15-0420.11)***
4. Proposal No. **16-0125** issued by the Product Control Section, dated March 09, 2016, signed by Ishaq Chanda, P.E.

### G. OTHERS

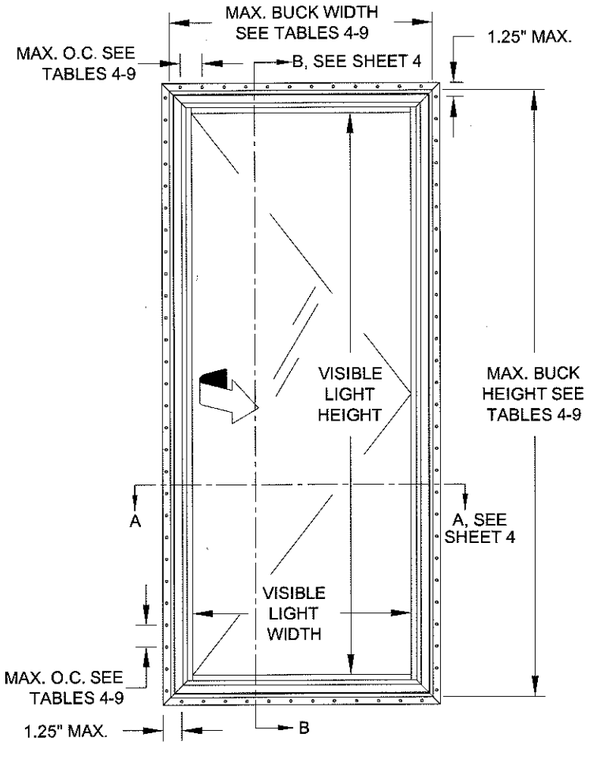
1. Notice of Acceptance No. **15-0420.11**, issued to PGT Industries, Inc. for their Series "CA-5540" Outswing Vinyl Casement Window - L.M.I." approved on 09/17/15 and expiring on 09/17/20.

Manuel Perez

**Manuel Perez, P.E.**
**Product Control Examiner**
**NOA No. 16-0714.11**
**Expiration Date: September17, 2020**
**Approval Date: August 25, 2016**

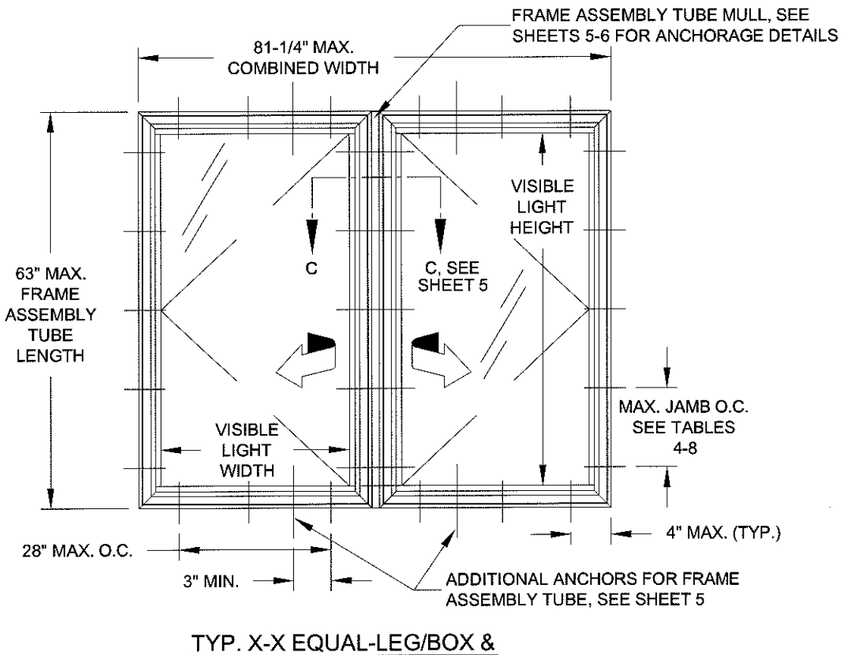



TYP. EQUAL-LEG/BOX &
FLANGE FRAME ANCHORAGE




TYP. INTEGRAL FIN & J-CHANNEL
FRAME ANCHORAGE

| IMPACT RATING | DESIGN PRESSURE RATING |
|---|---|
| LARGE & SMALL MISSILE IMPACT RESISTANT | VARIES PER OPTIONS, SEE TABLES 4-9, SHEETS 8-9 |




TYP. X-X EQUAL-LEG/BOX &
FLANGE FRAME ANCHORAGE

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

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

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

3) FOR MASONRY APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED MASONRY ANCHORS. MATERIALS USED FOR ANCHOR EVALUATIONS WERE SOUTHERN PINE, ASTM C90 CONCRETE MASONRY UNITS AND CONCRETE WITH MIN. KSI PER ANCHOR TYPE.

4) 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, (EOR) OR ARCHITECT OF RECORD, (AOR).

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

6) 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.

7) DESIGN PRESSURES: A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.

8) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED AND SECURED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

9) METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION .

10) REFERENCES: TEST REPORTS FTL-8139, 8174; ELCO ULTRACON NOA; ELCO CRETEFLEX NOA; ELCO AGGRE-GATOR NOA; ROYAL WINDOW AND DOOR PROFILES, LTD WHITE & BRONZE/LIGHTER SHADES OF CAP COATED PVC EXTRUSION NOA'S; NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, ANSI/AF&PA NDS & ALUMINUM DESIGN MANUAL

11) PVB AND SG INTERLAYERS MANUFACTURED BY KURARAY AMERICA, INC.

12) APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

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


| | |
|---|---|
| GENERAL NOTES | 1 |
| ELEVATIONS | 1 |
| FRAME, GLASS & ANCHOR OPTIONS | 2 |
| INSTALLATION, FLANGE & EQUAL LEG | 3 |
| INSTALLATION, INTEGRAL FIN & J-CHANNEL | 4 |
| FRAME ASSEMBLY TUBE | 5-6 |
| GLAZING DETAILS | 7 |
| DESIGN PRESSURES | 8-9 |
| BOM & ASSEMBLY | 10-11 |


STANDARDS USED:
- 2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION
- ASTM E1300-09
- ANSI/AF&PA NDS-2012 FOR WOOD CONSTRUCTION
- ALUMINUM DESIGN MANUAL, ADM-2010
- AISI-S100-07/S2-2010

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 16-0714.11
Expiration Date Oct. 17, 2020
By Manuel Perez
Miami Dade Product Control

| | |
|---|---|
| Rev A | 05/05/16 - JR - ADDED SPACERS TO SHEET 2. |
| Rev 2 | |
| Rev 3 | |

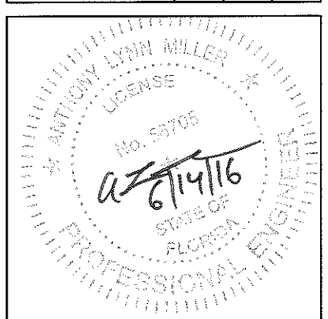

1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


CERT. OF AUTH. #29296

| Title | Desc. | Series |
|---|---|---|
| VINYL CASEMENT WINDOW NOA (LM) | GENERAL NOTES AND ELEVATION | MD-5540C.0 |

| Date | Drawn By | Rev. |
|---|---|---|
| 9/9/14 | J ROSOWSKI | A |

| Sheet | Scale | DWG No. |
|---|---|---|
| 1 OF 11 | NTS | CA-5540 |




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

TABLE 1:

| Glass Type | Description | Table # | Sheet # |
|---|---|---|---|
| 5 | 7/8" Laminated I.G.: 1/8" A Exterior Cap + 7/16" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer | 4 | 8 |
| 6 | 7/8" Laminated I.G.: 1/8" T Exterior Cap + 7/16" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer | 5 | 8 |
| 7 | 7/8" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer | 6 | 9 |
| 8 | 7/8" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 5/16" Laminated; (2) Lites of 1/8" A Glass with .090" PVB Interlayer | 6 | 9 |
| 9 | 7/8" Laminated I.G.: 1/8" A Exterior Cap + 7/16" Air Space + 5/16" Laminated; (2) Lites of 1/8" HS Glass with .090" SG Interlayer | 7 | 9 |
| 10 | 7/8" Laminated I.G.: 1/8" T Exterior Cap + 7/16" Air Space + 5/16" Laminated; (2) Lites of 1/8" HS Glass with .090" SG Interlayer | 7 | 9 |
| 11 | 7/8" Laminated I.G.: 3/16" A Exterior Cap + 3/8" Air Space + 5/16" Laminated; (2) Lites of 1/8" HS Glass with .090" SG Interlayer | 7 | 9 |
| 12 | 7/8" Laminated I.G.: 3/16" T Exterior Cap + 3/8" Air Space + 5/16" Laminated; (2) Lites of 1/8" HS Glass with .090" SG Interlayer | 7 | 9 |
| 13 | 7/8" Laminated I.G.: 1/8" A Exterior Cap + 5/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" SG Interlayer | 8 | 9 |
| 14 | 7/8" Laminated I.G.: 1/8" T Exterior Cap + 5/16" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" SG Interlayer | 8 | 9 |
| 15 | 7/8" Laminated I.G.: 3/16" A Exterior Cap + 1/4" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" SG Interlayer | 8 | 9 |
| 16 | 7/8" Laminated I.G.: 3/16" T Exterior Cap + 1/4" Air Space + 7/16" Laminated; (2) Lites of 3/16" A Glass with .090" SG Interlayer | 8 | 9 |

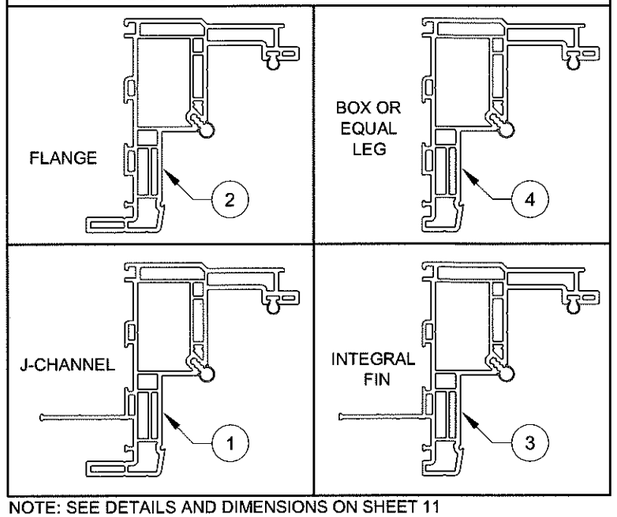
"A" = ANNEALED
"H" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = .090" PVB INTERLAYER
"SG" = .090" SENTRYGLAS INTERLAYER

ALL INTERLAYERS MANUFACTURED BY KURARAY AMERICA, INC.

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

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

WINDOW FRAMES MAY BE ANY OF THOSE SHOWN BELOW:

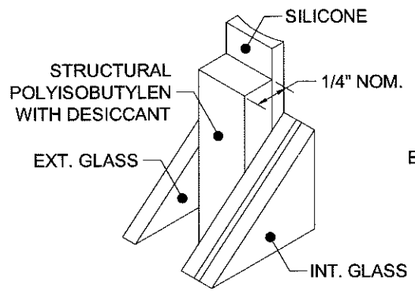



NOTE: SEE DETAILS AND DIMENSIONS ON SHEET 11

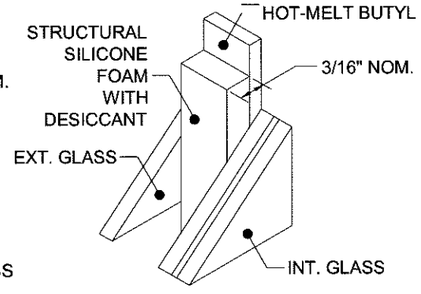
TABLE 2: ANCHORS INSTALLED THROUGH FRAME

| Group | Anchor | Substrate | Min. Edge Distance | Min. Embedment* |
|---|---|---|---|---|
| B | #12 SMS (steel, 18-8 S.S. or 410 S.S.) | P.T. Southern Pine (SG=0.55) | 9/16" | 1-3/8" |
| | | Steel, A36* | 3/8" | 0.050" |
| | | Steel Stud, A653 Gr. 33* | 3/8" | 0.0451" (18 Ga.) |
| | | Aluminum, 6063-T5* | 3/8" | 0.063" |
| C | 1/4" steel Ultracon | Concrete (min. 2.85 ksi) | 1" | 1-3/4" |
| | | Ungrouted CMU, (ASTM C-90) | 2-1/2" | 1-1/4" |
| | 1/4" steel Creteflex | Concrete (min. 3.35 ksi) | 1" | 1-3/4" |
| D | 1/4" steel Ultracon | P.T. Southern Pine (SG=0.55) | 1" | 1-3/8" |
| | 1/4" steel Creteflex | Ungrouted CMU, (ASTM C-90) | 2-1/2" | 1-1/4" |
| | | P.T. Southern Pine (SG=0.55) | 1" | 1-3/8" |
| | 1/4" steel Aggre-Gator | P.T. Southern Pine (SG=0.55) | 1" | 1-3/8" |
| | | Grouted CMU, (ASTM C-90) | 2" | 2" |
| | 1/4" steel Ultracon | Concrete (min. 2.85 ksi) | 2-1/2" | 1-3/4" |
| | 1/4" steel Creteflex | Concrete (min. 3.35 ksi) | 2-1/2" | 1-3/4" |
| | 1/4" steel Aggre-Gator | Concrete (min. 3.275 ksi) | 1-1/2" | 1-3/8" |

* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. FOR STEEL STUDS, MIN Fu=45 KSI.
"UNGROUTED CMU" VALUES MAY BE USED FOR GROUTED CMU APPLICATIONS.




(100) KODISPACE 4SG TPS




(101) SUPER SPACER® NXT™

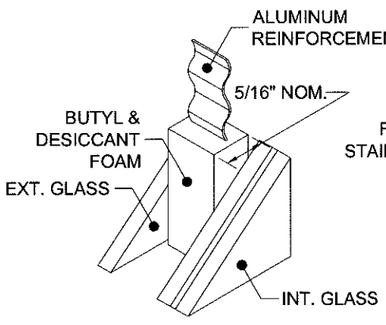
| Part # | Description | Material |
|---|---|---|
| 100 | Kommerling 4SG TPS Spacer System | See this Sheet for Materials |
| 101 | Quanex Super Spacer nXT with Hot Melt Butyl | |
| 102 | Quanex Duraseal Spacer | |
| 103 | Cardinal XL Edge Spacer | |

REFERENCE TEST REPORTS: FTL-8717, 8968 & 8970

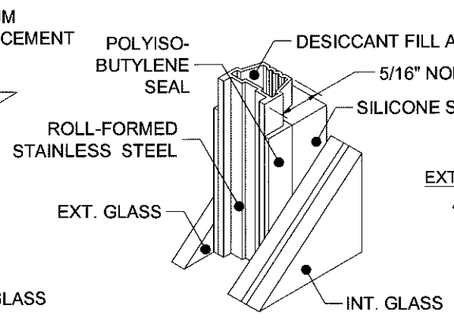
TABLE 3: ANCHORS INSTALLED THROUGH INTEGRAL FIN

| Group | Anchor | Substrate | Min. Edge Distance | Min. Embedment* |
|---|---|---|---|---|
| F | 2-1/2" Ring-shank Roofing Nail | P.T. Southern Pine (SG=.55) | 3/8" | 2-7/16" |
| | #10 Trusshead SMS (steel, 18-8 S.S. or 410 S.S.) | P.T. Southern Pine (SG=.55) | 1/2" | 1-3/8" |
| | | Aluminum, 6063-T5* | 3/8" | 0.050" |
| | | Steel Stud, Gr. 33* | 3/8" | 0.0451" (18 Ga.) |
| | | Steel, A36* | 3/8" | 0.050" |
| | #12 SMS (steel, 18-8 S.S. or 410 S.S.) | P.T. Southern Pine (SG=.55) | 9/16" | 1-3/8" |
| | | Aluminum, 6063-T5* | 3/8" | 0.063" |
| | | Steel Stud, Gr. 33* | 3/8" | 0.050" |
| | | Steel, A36* | 3/8" | 0.050" |

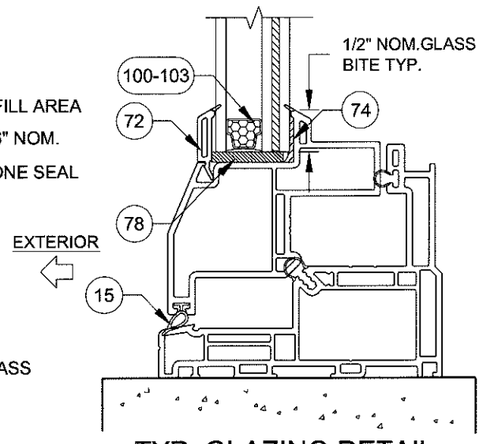
* MIN. OF 3 THREADS BEYOND THE METAL SUBSTRATE. FOR STEEL STUDS, MIN Fu=45 KSI.




(102) DURASEAL® SPACER




(103) XL EDGE™ SPACER




TYP. GLAZING DETAIL

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 16-0714.11
Expiration Date Sept. 17, 2020
By Manuel Perez
Miami-Dade Product Control

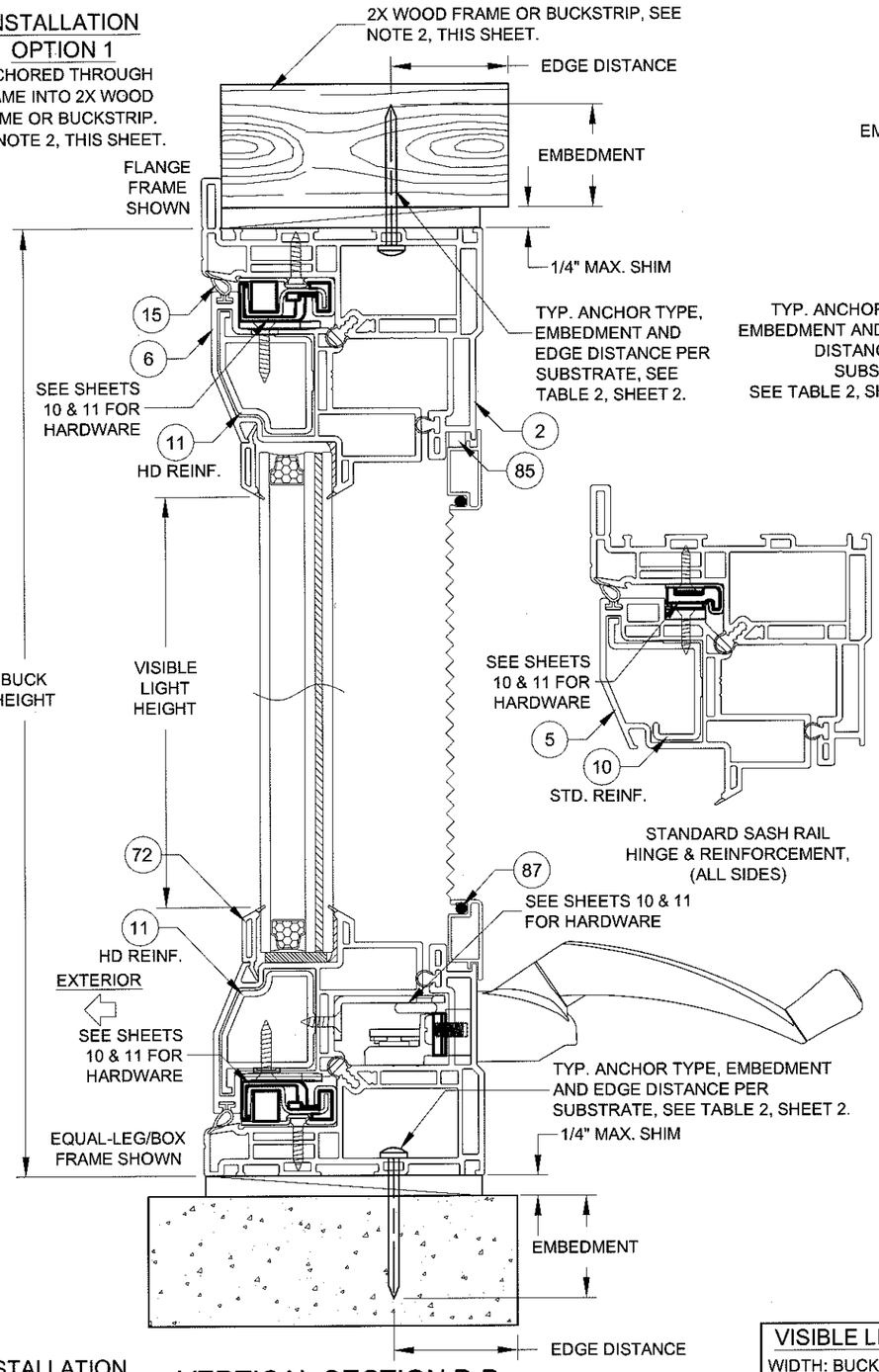
PGT®
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
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(941)-480-1600

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 |
| Desc. | GLASS/ANCHORS/FRAME OPTIONS | | | | Drawn By | | J ROSOWSKI |
| Rev A | 05/05/16 - JR - ADDED SPACERS. | | | | | | |
| Rev 2 | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 2 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

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

## INSTALLATION OPTION 1

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

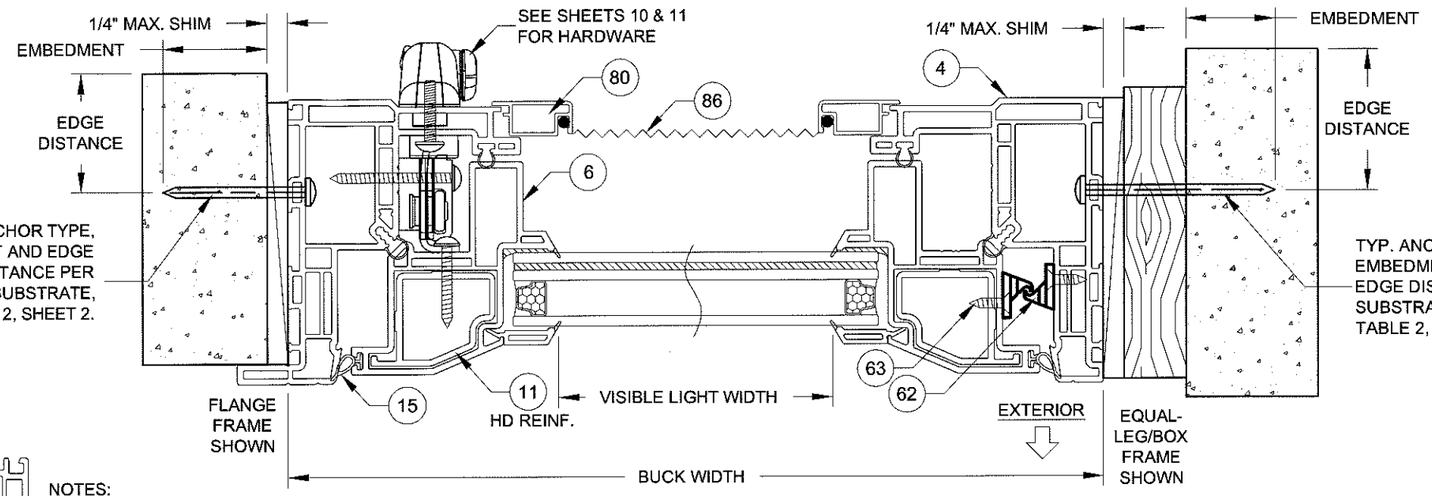



## VERTICAL SECTION B-B

SHOWN WITH HEAVY-DUTY SASH, HINGE & REINFORCEMENT

## 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.




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.

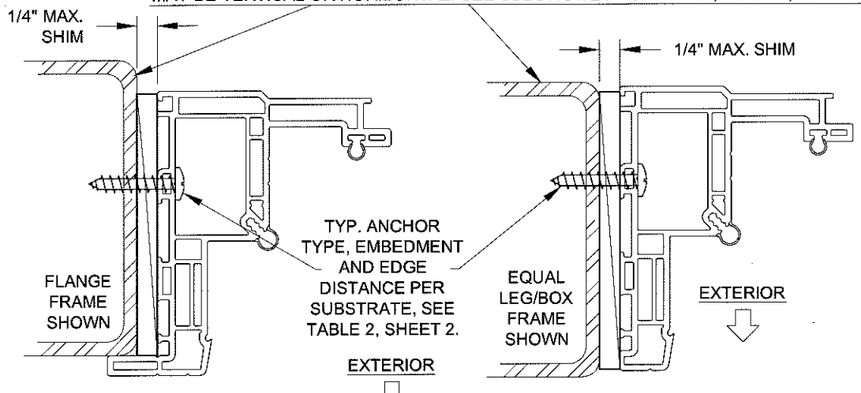
2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL 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

SHOWN WITH HEAVY-DUTY SASH, HINGE & REINFORCEMENT

DADE APPROVED MULLION, FBC 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

## INSTALLATION OPTION 4

ANCHORED THROUGH FRAME INTO METAL

## VISIBLE LIGHT FORMULAS

WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 16-0714.11
Expiration Date Sept. 11, 2020
By Manuel Perez
Miami-Dade Product Control

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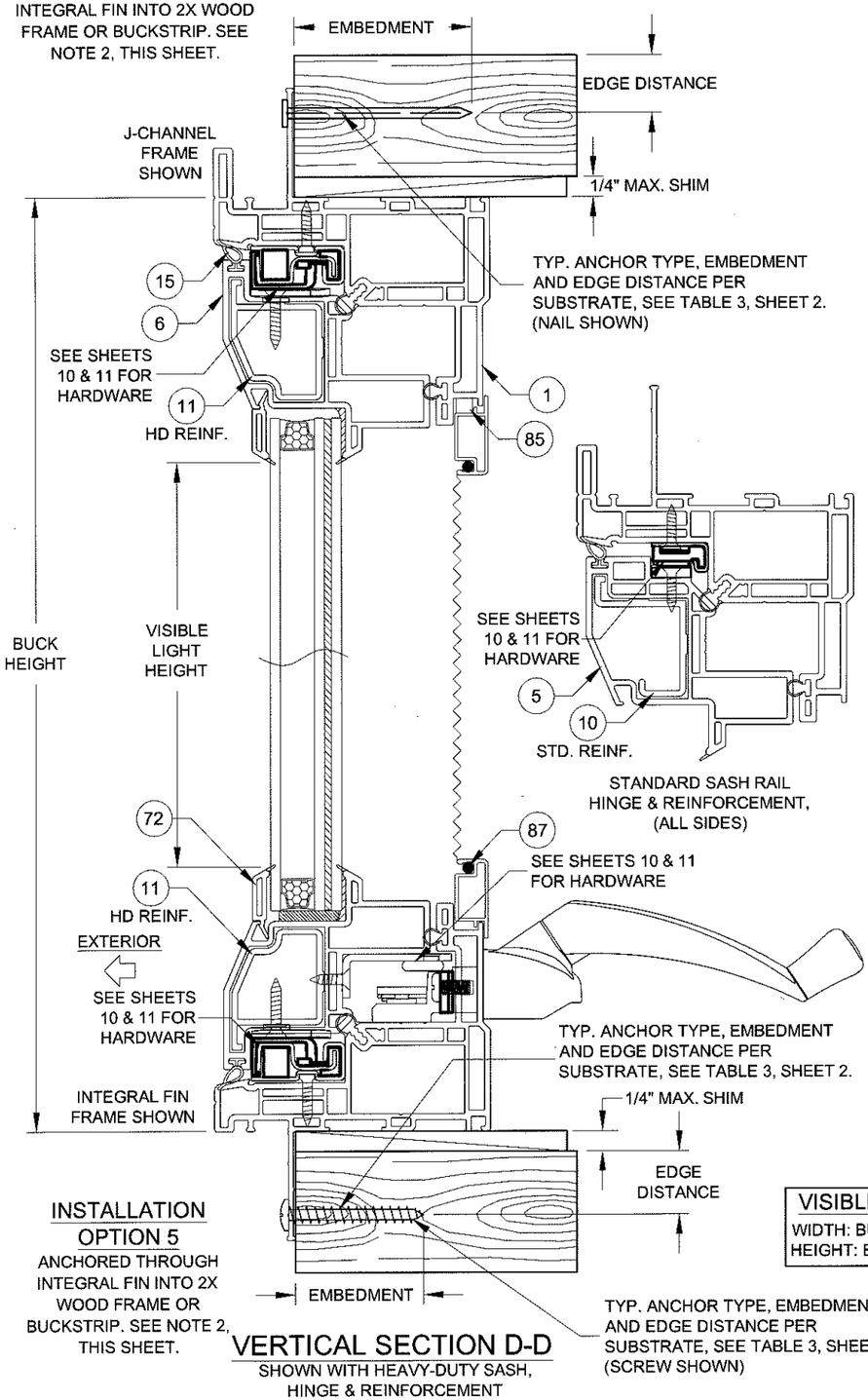
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 | | |
| Desc. | FLANGE & EQUAL-LEG/BOX FRAMES | | | | Drawn By | J ROSOWSKI | | | |
| Rev A | | | | | | | | | |
| Rev 2 | | | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 3 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/14/16

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

## INSTALLATION OPTION 5

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




## INSTALLATION OPTION 5

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

## VERTICAL SECTION D-D

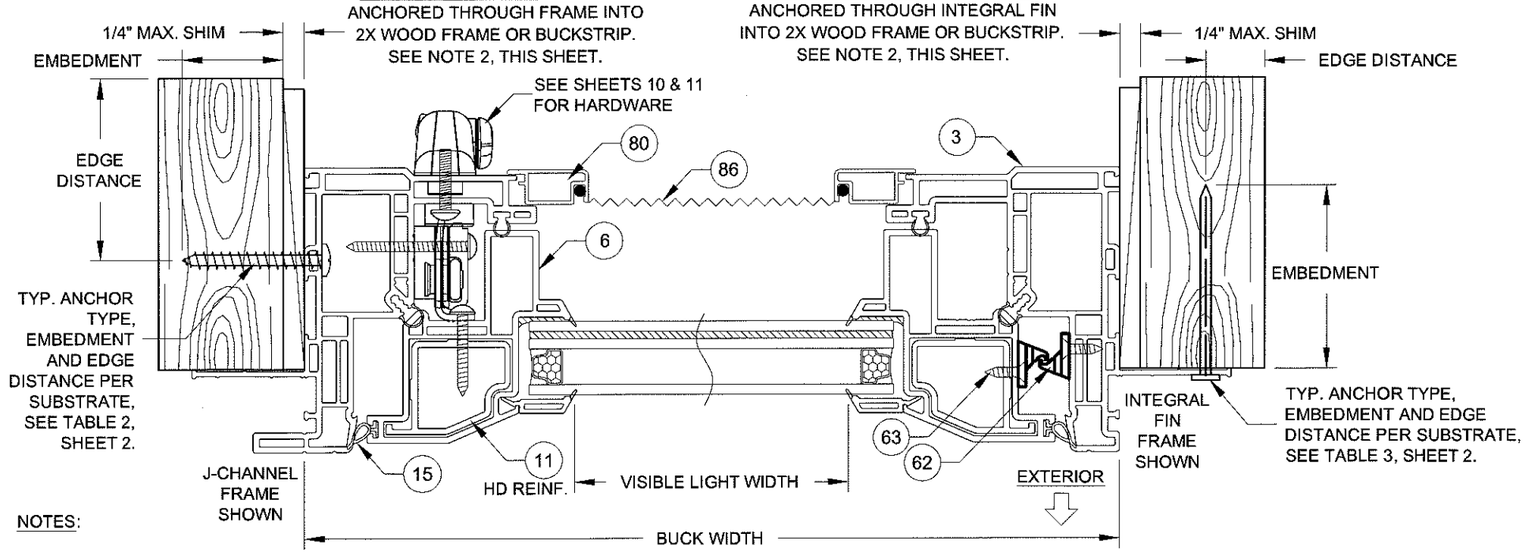
SHOWN WITH HEAVY-DUTY SASH, HINGE & REINFORCEMENT

## INSTALLATION OPTION 6

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

## INSTALLATION OPTION 5

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




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.

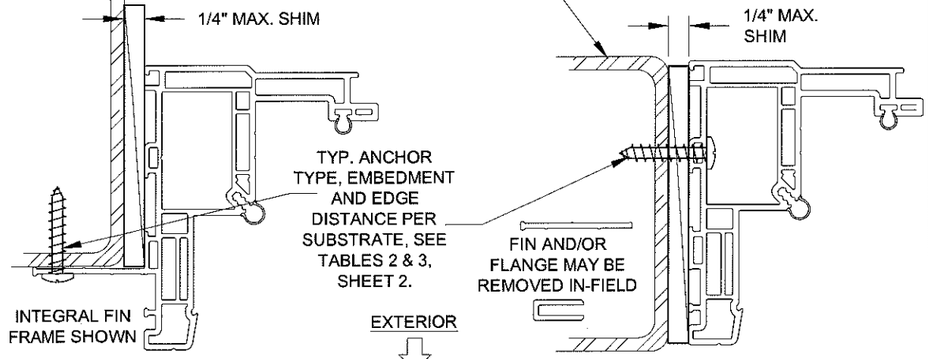
2) MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 2, SHEET 2. ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL 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 C-C

SHOWN WITH HEAVY-DUTY SASH, HINGE & REINFORCEMENT

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




## INSTALLATION OPTION 7

ANCHORED THROUGH FRAME INTO METAL

## INSTALLATION OPTION 8

ANCHORED THROUGH FRAME INTO METAL

### VISIBLE LIGHT FORMULAS

WIDTH: BUCK WIDTH - 6-3/4"
HEIGHT: BUCK HEIGHT - 6-3/4"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 16-0714.11 Expiration Date Sept 17, 2020 By Manuel Perez Miami Dade Product Control

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

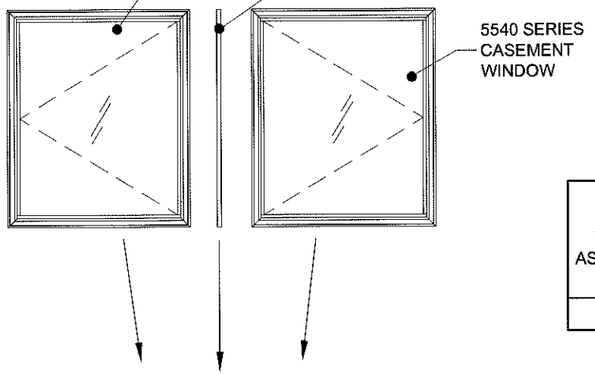

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 |
| Desc. | J-CHANNEL & INTEGRAL FIN FRAMES | | | | Drawn By | | J ROSOWSKI |
| Rev A | | | | | | | |
| Rev 2 | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 4 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

# ILLUSTRATION OF CASEMENT-TO-CASEMENT (X-X)

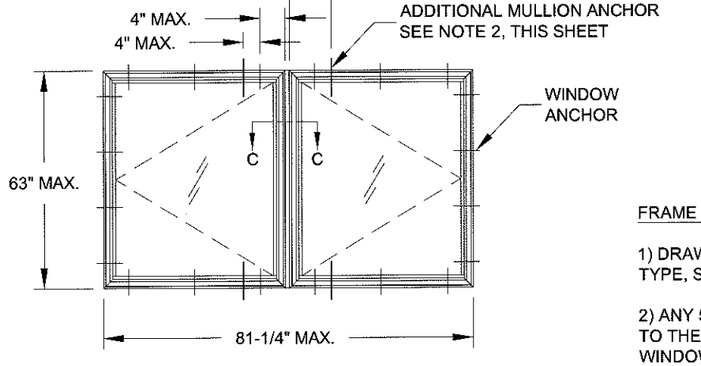
(EQUAL LEG/BOX FRAME WITH IDENTICAL PRODUCTS COMBINED)

A) INDIVIDUAL COMPONENTS:

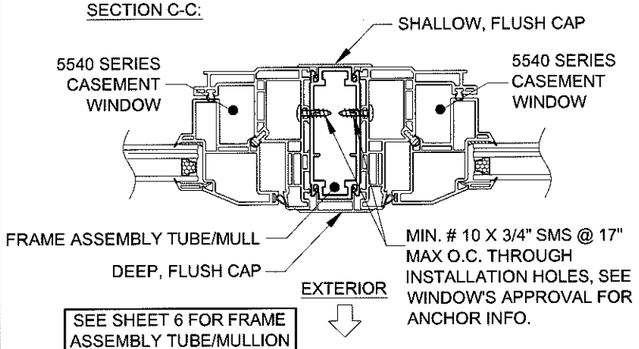



| MAXIMUM DESIGN PRESSURE WHEN USING THE FRAME ASSEMBLY TUBE/MULL, SEE NOTE 2: |
|---|
| +/- 70.0 PSF |

B) COMBINED COMPONENTS:




C) HORIZONTAL SECTION C-C:




SEE SHEET 6 FOR FRAME ASSEMBLY TUBE/MULLION DETAILS

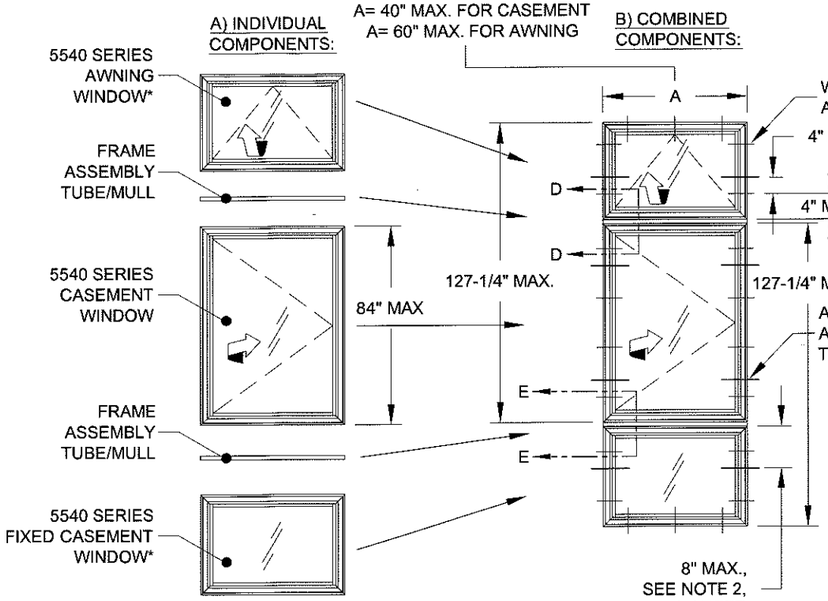
# ILLUSTRATION OF AWNING-TO-CASEMENT-TO-FIXED CASEMENT (X/X/O)

(FLANGE FRAME WITH DIFFERENT 5540 SERIES PRODUCTS COMBINED)

A= 63" MAX. FOR FIXED CASEMENT
A= 40" MAX. FOR CASEMENT
A= 60" MAX. FOR AWNING

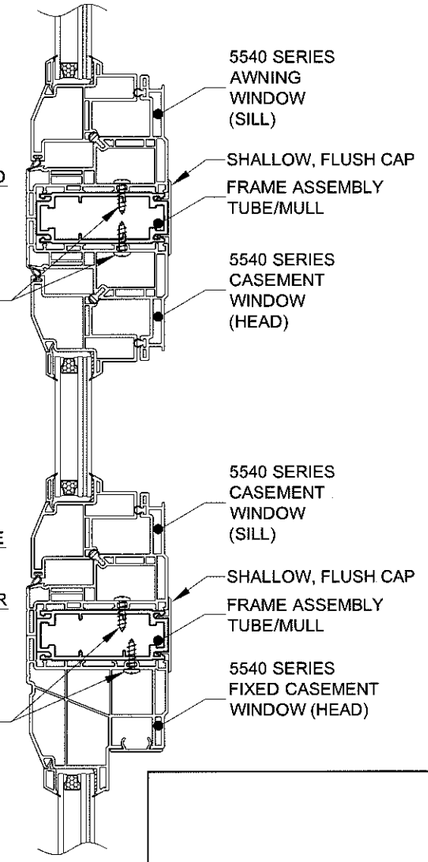
A) INDIVIDUAL COMPONENTS:

B) COMBINED COMPONENTS:




*UNDER SEPARATE APPROVAL

VERTICAL SECTION D-D




VERTICAL SECTION E-E

EXTERIOR




FRAME ASSEMBLY TUBE/MULL NOTES, ALSO SEE NEXT SHEET:

1) DRAWINGS SHOWN ON THIS SHEET ARE EXAMPLE CONFIGURATIONS FOR ALL FRAME TYPES. ADDITIONAL CONFIGURATIONS BASED ON WINDOW SIZE, TYPE, SHAPE, QUANTITY AND FRAME ASSEMBLY TUBE ORIENTATION ARE PERMISSIBLE FOLLOWING THE GUIDELINES OF THIS SHEET.

2) ANY 5540-SERIES CASEMENT, FIXED CASEMENT (UNDER SEPARATE APPROVAL) OR AWNING WINDOW (UNDER SEPARATE APPROVAL) MAY BE ATTACHED TO THE FRAME ASSEMBLY TUBE/MULL, IN ANY COMBINATION TO THE SPAN AND WIDTH LIMIT SHOWN. FOR ALL WINDOWS IN THE ASSEMBLY, USE EACH WINDOW'S INDIVIDUAL APPROVAL FOR ANCHORAGE, SIZE AND DESIGN PRESSURE LIMITATIONS. THE LOWEST DESIGN PRESSURE OF THE WINDOWS OR FRAME ASSEMBLY TUBE/MULL APPLIES TO THE ENTIRE ASSEMBLY .

3) FOR ALL COMBINATION UNITS, ADDITIONAL INSTALLATION ANCHORS ARE REQUIRED TO BE INSTALLED THROUGH THE WINDOW FRAMES, AS SHOWN ON THIS SHEET, ON EACH SIDE OF THE FRAME ASSEMBLY TUBE/MULL WHEN USING FLANGE OR EQUAL-LEG/BOX FRAMES. FOR FIN OR J-CHANNEL FRAMES ADDITIONAL ANCHORS AND END CAPS ARE REQUIRED AS SHOWN ON SHEET 6.

4) FOR FLANGE OR EQUAL-LEG/BOX FRAMES, THE FRAME ASSEMBLY TUBE TO BE FASTENED TO WINDOW, AS SHOWN IN DETAILS, WITH MIN. #10 X 1" SHEET METAL SCREWS. USE THE SAME SPACING AND QUANTITY AS THE WINDOW INSTALLATION ANCHORS GIVEN IN THAT PRODUCT'S APPROVAL, UP TO 17" MAX. O.C., ADD ADDITIONAL ANCHORS AS NEEDED. THE FRAME ASSEMBLY TUBE IS NOT REQUIRED TO BE CLIPPED TO THE SUBSTRATE. ALL EXTERIOR JOINTS TO BE SEALED BY INSTALLER.

5) THE FRAME ASSEMBLY TUBE/MULL MAY NOT EXCEED 63" IN LENGTH OR BE USED IN TEE OR CROSS CONFIGURATIONS. TWO ADJACENT WINDOWS MAY NOT EXCEED A TOTAL OF 127-1/4" IN WIDTH OR HEIGHT, FROM WINDOW BUCK TO WINDOW BUCK, INCLUDING THE FRAME ASSEMBLY TUBE/MULL WIDTH.

6) SHEET 5 & 6 REFER TO UNCLIPPED MULLION ASSEMBLIES. FOR CLIPPED MULLION ASSEMBLIES SEE TUBE MULLION UNDER SEPARATE APPROVAL.

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as complying with the Florida Building Code
Acceptance No 16-0714.11
Expiration Date Sept. 17, 2020
By Manuel Perez
Miami Dade Product Control

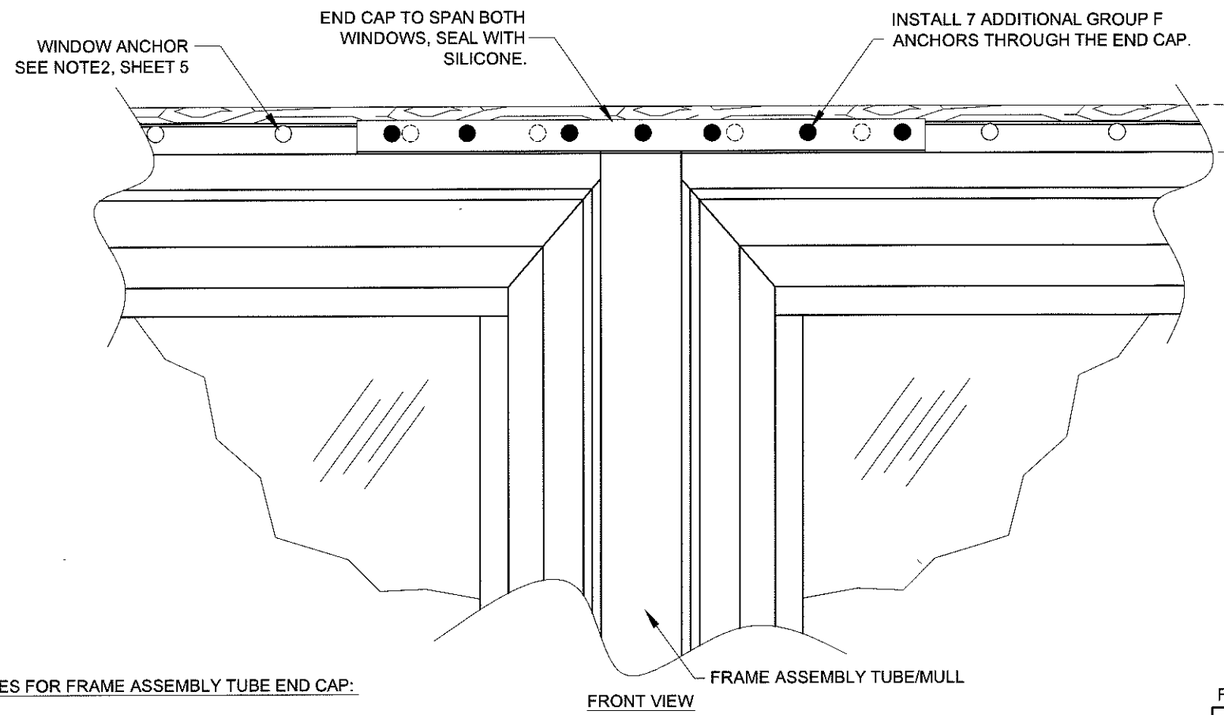

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| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 | | |
| Desc. | FRAME ASSEMBLY TUBE DETAILS A | | | | Drawn By | J ROSOWSKI | | | |
| Rev A | | | | | | | | | |
| Rev 2 | | | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 5 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

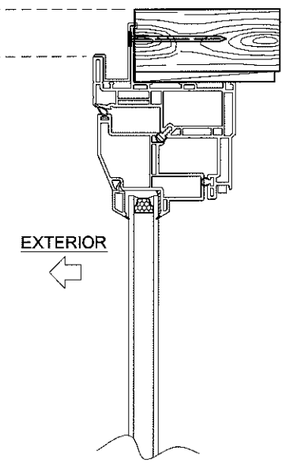
FLORIDA PRODUCT APPROVAL
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF
FLORIDA
6/14/16

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

# ILLUSTRATION OF END CAP USE WITH FIN AND J-CHANNEL FRAMES




FRONT VIEW




SIDE VIEW

NOTES FOR FRAME ASSEMBLY TUBE END CAP:

1) APPLIES TO FIN OR J-CHANNEL FRAMES.

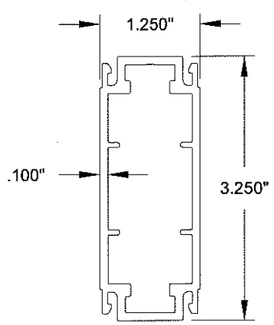
2) REQUIRED AT HEADER/SILL OR JAMBS TO SEAL THE END OF THE FRAME ASSEMBLY TUBE.

3) ALL WINDOW TYPES AND FRAME ASSEMBLY TUBE ORIENTATIONS APPLICABLE, SEE SHEET 5.

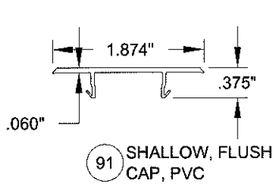
4) END CAP MAY REQUIRE IN-FIELD TRIMMING. STANDARD LENGTH IS 14".

FRAME ASSEMBLY TUBE NOTE:

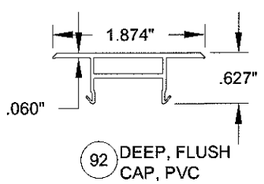
REFER TO SHEET 5 FOR THROUGH-FRAME ANCHORAGE AND THIS SHEET FOR NAIL FIN ANCHORAGE DETAILS TYP. AT ALL FRAME ASSEMBLY TUBE ENDS BOTH HORIZONTAL AND VERTICAL




(90) FRAME ASSEMBLY TUBE, ALUM 6005-T5

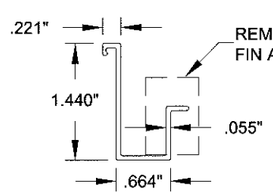



(91) SHALLOW, FLUSH CAP, PVC



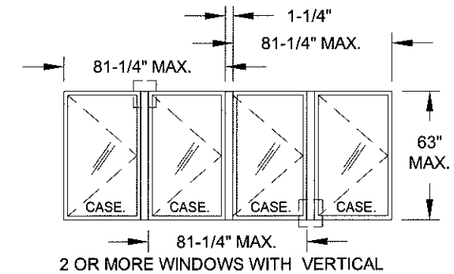

(92) DEEP, FLUSH CAP, PVC

EITHER CAP MAY BE USED TO THE INTERIOR OR EXTERIOR.

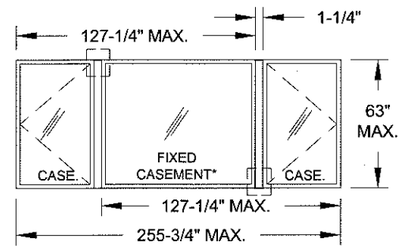



(93) FRAME ASSEMBLY TUBE END CAP, PVC

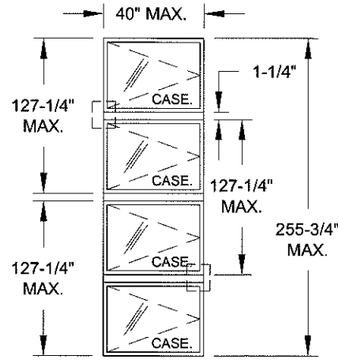
EXAMPLE CONFIGURATIONS WHEN USING THE FRAME ASSEMBLY TUBE/MULL. FOR TEES, CROSSES OR ASSEMBLIES WITH MORE THAN 4 UNITS USE CLIPPED, TUBE MULLION UNDER SEPARATE APPROVAL.



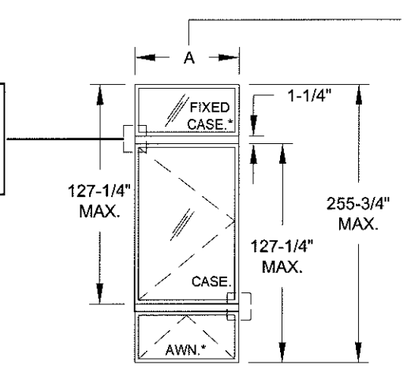

2 OR MORE WINDOWS WITH VERTICAL FRAME ASSEMBLY TUBE/MULL. (4 WINDOWS MAX.)




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




2 OR MORE WINDOWS (4 WINDOWS MAX.) WITH HORIZONTAL FRAME ASSEMBLY TUBE/MULL.




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

*UNDER SEPARATE APPROVAL

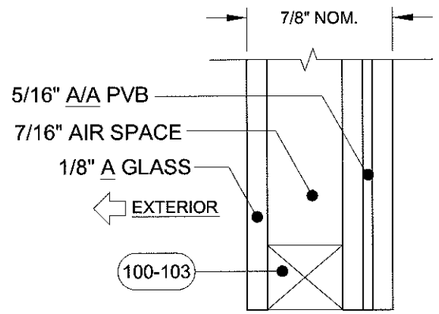
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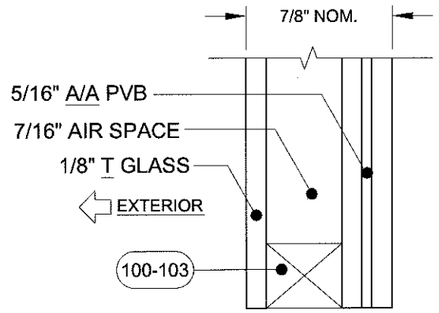
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 | | |
| Desc. | FRAME ASSEMBLY TUBE DETAILS B | | | | | Drawn By | J ROSOWSKI | | |
| Rev A | | | | | | | | | |
| Rev 2 | | | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 6 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

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6/14/16

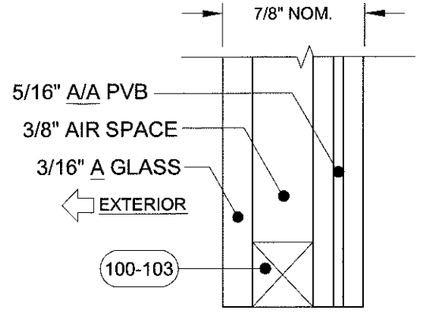
A. LYNN MILLER, P.E.
P.E.# 58705



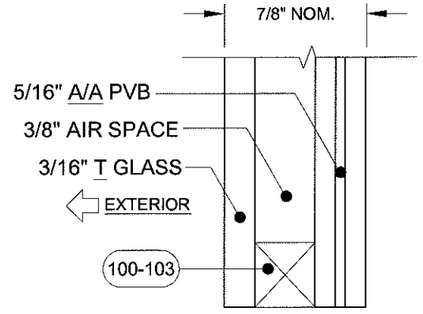

GLASS TYPE 5



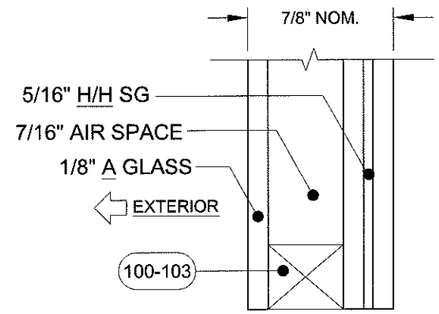

GLASS TYPE 6



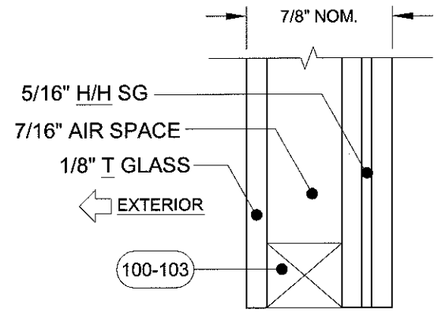

GLASS TYPE 7



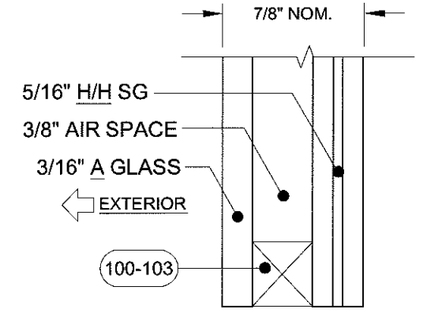

GLASS TYPE 8



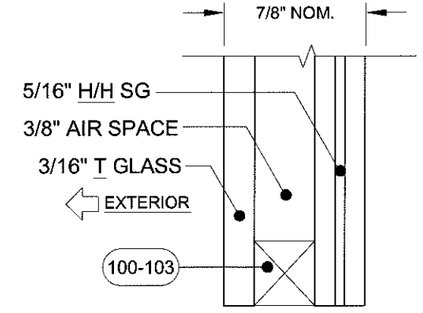

GLASS TYPE 9



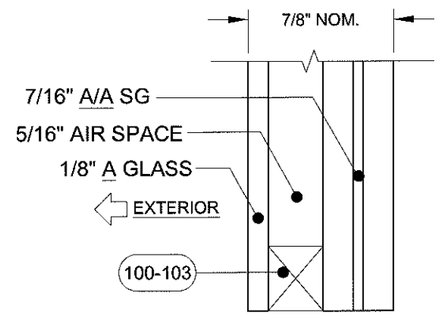

GLASS TYPE 10



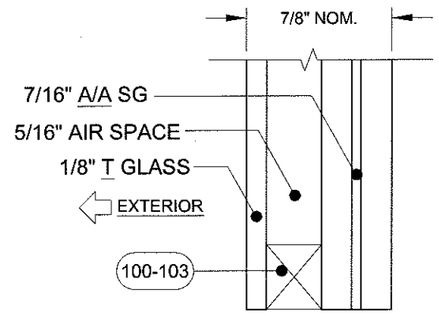

GLASS TYPE 11



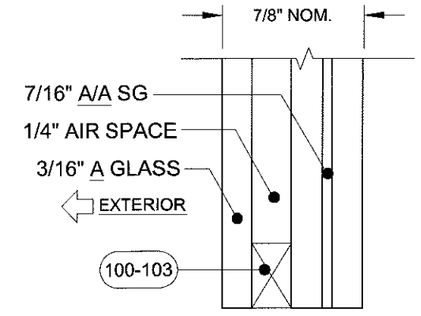

GLASS TYPE 12



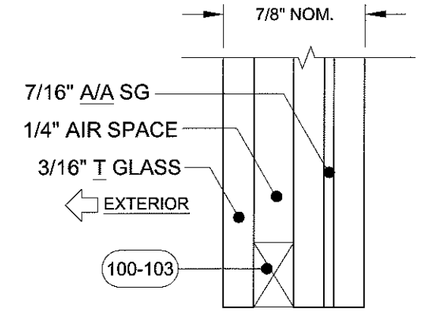

GLASS TYPE 13




GLASS TYPE 14




GLASS TYPE 15




GLASS TYPE 16

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

1) FOR LAMINATED GLAZING COMPONENTS, SEE TABLE 1, SHEET 2.
2) SEE TYPICAL GLAZING DETAIL ON SHEET 2.

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

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 16-0714.11
Expiration Date Sept. 17, 2020
By Manuel Perez
Miami Dade Product Control

| | |
|---|---|
| Rev A | |
| Rev 2 | |
| Rev 3 | |

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

CERT. OF AUTH. #29296

| Title | Date | Rev. |
|---|---|---|
| VINYL CASEMENT WINDOW NOA (LM) | 9/9/14 | A |
| **Desc.** | **Drawn By** | **DWG No.** |
| GLAZING DETAILS | J ROSOWSKI | MD-5540C.0 |
| **Series** | **Scale** | **Sheet** |
| CA-5540 | NTS | 7 OF 11 |

ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
6/14/16

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

TABLE 4:

| Window Design Pressure, (+/- psf) | Standard Sash, Hinge & Reinforcement | Use this table for Glass Type: | 5 |
|---|---|---|---|
| 1/8" A CAP, AIRSPACE, 1/8" A, .090" PVB, 1/8" A | | | |

| Buck Height (in) \ Buck Width (in) | 24 | 26 | 28 | 30.683 | 31.052 | 31.431 | 31.819 | 32.217 | 32.625 | 33.043 | 33.472 | 33.912 | 34.365 | 34.829 | 35.306 | 35.797 | 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 |
| 60 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.7 | +65/-69.2 | +65/-68.6 | +65/-68.1 | +65/-67.5 | +65/-67 | +65/-66.5 | +65/-65.9 | +65/-65.4 | +/-64.9 | +/-64.4 | +/-64.2 |
| 66 | +65/-70 | +65/-70 | +65/-70 | +65/-68.7 | +65/-68.1 | +65/-67.5 | +65/-67 | +65/-66.4 | +65/-65.8 | +65/-65.3 | +/-64.7 | +/-64.2 | +/-63.6 | +/-63.1 | +/-62.5 | +/-62 | +/-61.8 |
| 70 | +65/-70 | +65/-70 | +65/-70 | +65/-67.5 | +65/-66.9 | +65/-66.3 | +65/-65.8 | +65/-65.2 | +/-64.6 | +/-64.1 | +/-63.5 | +/-62.9 | +/-62.4 | +/-61.8 | +/-61.2 | +/-60.7 | +/-60.5 |
| 71.593 | +65/-70 | +65/-70 | +65/-70 | +65/-67.1 | +65/-66.5 | +65/-65.9 | +65/-65.3 | +/-64.8 | +/-64.2 | +/-63.6 | +/-63 | +/-62.5 | +/-61.9 | +/-61.3 | +/-60.8 | +/-60.2 | +/-60 |
| 72 | +65/-70 | +65/-70 | +65/-70 | +65/-67 | +65/-66.4 | +65/-65.8 | +65/-65.2 | +/-64.7 | +/-64.1 | +/-63.5 | +/-62.9 | +/-62.4 | +/-61.8 | +/-61.2 | +/-60.7 | +/-60.1 | |
| 73 | +65/-70 | +65/-70 | +65/-70 | +65/-66.7 | +65/-66.1 | +65/-65.6 | +/-65 | +/-64.4 | +/-63.5 | +/-63.1 | +/-62.6 | +/-62.1 | +/-61.5 | +/-61 | +/-60.4 | | |
| 74 | +65/-70 | +65/-70 | +65/-70 | +65/-66.5 | +65/-65.9 | +65/-65.3 | +/-64.6 | +/-63.7 | +/-62.9 | +/-62.3 | +/-61.7 | +/-61.3 | +/-60.8 | +/-60.4 | | | |
| 75 | +65/-70 | +65/-70 | +65/-70 | +65/-66.2 | +65/-65.7 | +/-64.7 | +/-63.8 | +/-63 | +/-62.2 | +/-61.5 | +/-60.8 | +/-60.3 | +/-59.9 | | | | |
| 76 | +65/-70 | +65/-70 | +65/-70 | +65/-66 | +65/-65.1 | +/-64 | +/-63.1 | +/-62.4 | +/-61.6 | +/-60.8 | +/-60 | +/-59.4 | | | | | |
| 77 | +65/-70 | +65/-70 | +65/-70 | +65/-65.2 | +/-64.3 | +/-63.3 | +/-62.5 | +/-61.8 | +/-61 | +/-60.2 | +/-59.3 | | | | | | |
| 78 | +65/-70 | +65/-70 | +65/-70 | +/-64.3 | +/-63.5 | +/-62.7 | +/-61.9 | +/-61.2 | +/-60.4 | +/-59.6 | | | | | | | |
| 79 | +65/-70 | +65/-70 | +65/-70 | +/-63.7 | +/-62.9 | +/-62.1 | +/-61.4 | +/-60.6 | +/-59.8 | | | | | | | | |
| 80 | +65/-70 | +65/-70 | +65/-70 | +/-63.2 | +/-62.4 | +/-61.6 | +/-60.8 | +/-60 | | | | | | | | | |
| 81 | +65/-70 | +65/-70 | +65/-69.8 | +/-62.6 | +/-61.8 | +/-61 | +/-60.2 | | | | | | | | | | |
| 82 | +65/-70 | +65/-70 | +65/-69.6 | +/-62.2 | +/-61.3 | +/-60.5 | | | | | | | | | | | |
| 83 | +65/-70 | +65/-70 | +65/-69.5 | +/-61.7 | +/-60.9 | | | | | | | | | | | | |
| 84 | +65/-70 | +65/-70 | +65/-69.3 | +/-61.3 | | | | | | | | | | | | | |

| MAX. JAMB 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) | APPLIES TO F ANCHORS (SEE TABLE 3) |
| 12.67" | 4" |

TABLE 5:

| Window Design Pressure, (+/- psf) | Standard Sash, Hinge & Reinforcement | Use this table for Glass Type: | 6 |
|---|---|---|---|
| 1/8" T CAP, AIRSPACE, 1/8" A, .090" PVB, 1/8" A | | | |

| Buck Height (in) \ Buck Width (in) | 24 | 26 | 28 | 30.683 | 31.052 | 31.431 | 31.819 | 32.217 | 32.625 | 33.043 | 33.472 | 33.912 | 34.365 | 34.829 | 35.306 | 35.797 | 36 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 |
| 60 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 |
| 66 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 |
| 70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 |
| 71.593 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.6 | +65/-69.2 | +65/-68.7 | +65/-68.6 |
| 72 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.7 | +65/-69.2 | +65/-68.8 | +65/-68.3 | |
| 73 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.6 | +65/-69.1 | +65/-68.6 | +65/-68.2 | +65/-67.7 | | |
| 74 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.8 | +65/-69.2 | +65/-68.6 | +65/-68.1 | +65/-67.6 | +65/-67.1 | | | |
| 75 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.1 | +65/-68.4 | +65/-67.6 | +65/-67 | +65/-66.5 | | | | |
| 76 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.3 | +65/-68.4 | +65/-67.6 | +65/-66.7 | +65/-66 | | | | | |
| 77 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.5 | +65/-68.6 | +65/-67.8 | +65/-66.9 | +65/-65.9 | | | | | | |
| 78 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.7 | +65/-68.8 | +65/-68 | +65/-67.1 | +65/-66.2 | | | | | | | |
| 79 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.9 | +65/-69 | +65/-68.2 | +65/-67.3 | +65/-66.4 | | | | | | | | |
| 80 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-69.3 | +65/-68.4 | +65/-67.5 | +65/-66.6 | | | | | | | | | |
| 81 | +65/-70 | +65/-70 | +65/-70 | +65/-69.6 | +65/-68.7 | +65/-67.8 | +65/-66.9 | | | | | | | | | | |
| 82 | +65/-70 | +65/-70 | +65/-70 | +65/-69.1 | +65/-68.2 | +65/-67.2 | | | | | | | | | | | |
| 83 | +65/-70 | +65/-70 | +65/-70 | +65/-68.6 | +65/-67.6 | | | | | | | | | | | | |
| 84 | +65/-70 | +65/-70 | +65/-70 | +65/-68.1 | | | | | | | | | | | | | |

| MAX. JAMB 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) | APPLIES TO F ANCHORS (SEE TABLE 3) |
| 12.67" | 4" |

NOTES:
1) BUCK DIMENSIONS SHOWN.

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

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 16-0714.11
Expiration Date Sept. 17, 2020
By Manuel Perez
Miami Dade Product Control


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


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 |
| Desc. | DESIGN PRESSURE TABLES A | | | | | Drawn By | J ROSOWSKI |
| Rev A | | | | | | | |
| Rev 2 | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 8 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

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

TABLE 6:

| Window Design Pressure, (+/- psf) | | | | | | | | | | | | | | Heavy-Duty Sash, Hinge & Reinforcement | Use this table for Glass Type: | 7 & 8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3/16" A CAP, AIRSPACE, 1/8" A, .090" PVB, 1/8" A & 3/16" T CAP, AIRSPACE, 1/8" A, .090" PVB, 1/8" A | | | | | | | | | | | | | | | | |
| Window Dimensions | | Buck Width (in) | | | | | | | | | | | | | | |
| | | 30.683 | 31.052 | 31.431 | 31.819 | 32.217 | 32.625 | 33.043 | 33.472 | 33.912 | 34.365 | 34.829 | 35.306 | 35.797 | 36 | |
| Buck Height (in) | 71.593 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 72 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 73 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 74 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 75 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 76 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 77 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 78 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 79 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 80 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 81 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 82 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 83 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |
| | 84 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | +65/-70 | |

| MAX. JAMB O.C. SPACING IF ANCHORING THROUGH THE FRAME PER | MAX. O.C. SPACING IF ANCHORING THROUGH THE INTEGRAL FIN PER SHEET 4 |
|---|---|
| APPLIES TO B, C OR D ANCHORS (SEE TABLE 2) | APPLIES TO F ANCHORS (SEE TABLE 3) |
| 12.67" | 4" |

TABLE 7:

| Window Design Pressure, (+/- psf) | | | | | | | | | | | Heavy-Duty Sash, Hinge & Reinforcement | Use this table for Glass Type: | 9, 10, 11 & 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8" A CAP, AIRSPACE, 1/8" H, .090" SG, 1/8" H & 1/8" T CAP, AIRSPACE, 1/8" H, .090" SG, 1/8" H | | | | | | | | | | | | | |
| 3/16" A CAP, AIRSPACE, 1/8" H, .090" SG, 1/8" H & 3/16" T CAP, AIRSPACE, 1/8" H, .090" SG, 1/8" H | | | | | | | | | | | | | |
| Window Dimensions | | Buck Width (in) | | | | | | | | | | | |
| | | 24 | 26 | 28 | 30 | 32 | 34.005 | 35.705 | 36.621 | 38.085 | 39.129 | 40 | |
| Buck Height (in) | 48 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | |
| | 60 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | |
| | 72 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | |
| | 76 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | |
| | 84 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | |

| MAX. JAMB O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 |
|---|
| APPLIES TO B, C OR D ANCHORS (SEE TABLE 2) |
| 10.13" |

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

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

TABLE 8:

| Window Design Pressure, (+/- psf) | | | | | | | | | | | | Heavy-Duty Sash, Hinge & Reinforcement | Use this table for Glass Type: | 13, 14, 15 & 16 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8" A CAP, AIRSPACE, 3/16" A, .090" SG, 3/16" A & 1/8" T CAP, AIRSPACE, 3/16" A, .090" SG, 3/16" A | | | | | | | | | | | | | | |
| 3/16" A CAP, AIRSPACE, 3/16" A, .090" SG, 3/16" A & 3/16" T CAP, AIRSPACE, 3/16" A, .090" SG, 3/16" A | | | | | | | | | | | | | | |
| Window Dimensions | | Buck Width (in) | | | | | | | | | | | | |
| | | 34.005 | 34.414 | 34.834 | 35.264 | 35.705 | 36.157 | 36.621 | 37.096 | 37.584 | 38.085 | 38.6 | 39.129 | 39.672 | 40 | |
| Buck Height (in) | 71.41 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | |
| | 72 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | |
| | 73 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | |
| | 74 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | |
| | 75 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | |
| | 76 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | | |
| | 77 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | | | |
| | 78 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | | | | |
| | 79 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | | | | | |
| | 80 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | | | | | | |
| | 81 | +70/-110 | +70/-110 | +70/-110 | +70/-110 | | | | | | | | | | | |
| | 82 | +70/-110 | +70/-110 | +70/-110 | | | | | | | | | | | | |
| | 83 | +70/-110 | +70/-110 | | | | | | | | | | | | | |
| | 84 | +70/-110 | | | | | | | | | | | | | | |

| MAX. JAMB O.C. SPACING IF ANCHORING THROUGH THE FRAME PER SHEETS 3 & 4 |
|---|
| APPLIES TO B, C OR D ANCHORS (SEE TABLE 2) |
| 10.88" |

NOTES:
1) BUCK DIMENSIONS SHOWN.

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

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 16-0714.11
Expiration Date Sept. 17, 2020
By Manuel Perez
Miami Dade Product Control

| Rev. | Description | Date |
|---|---|---|
| Rev 4 | | |
| Rev 2 | | |
| Rev 3 | | |


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

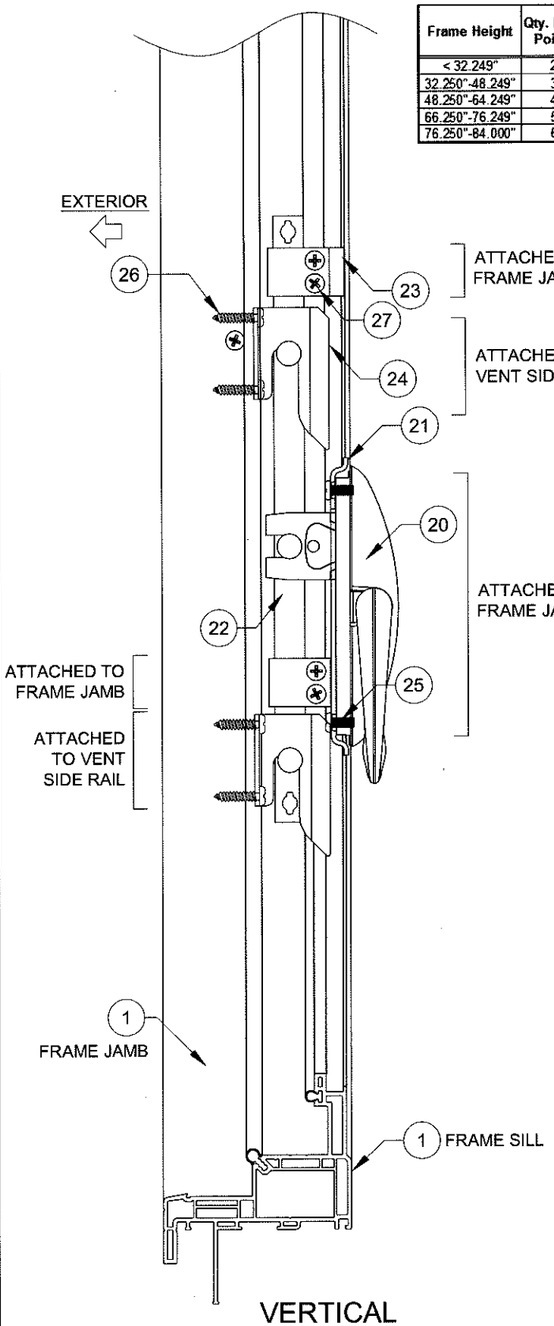

CERT. OF AUTH. #29296

| Series | Title | Scale | Sheet | DWG No. | Drawn By | Date | Rev. |
|---|---|---|---|---|---|---|---|
| VINYL CASEMENT WINDOW NOA (LM) | DESIGN PRESSURE TABLES B | CA-5540 | NTS | 9 OF 11 | MD-5540C.0 | J ROSOWSKI | 9/9/14 | A |

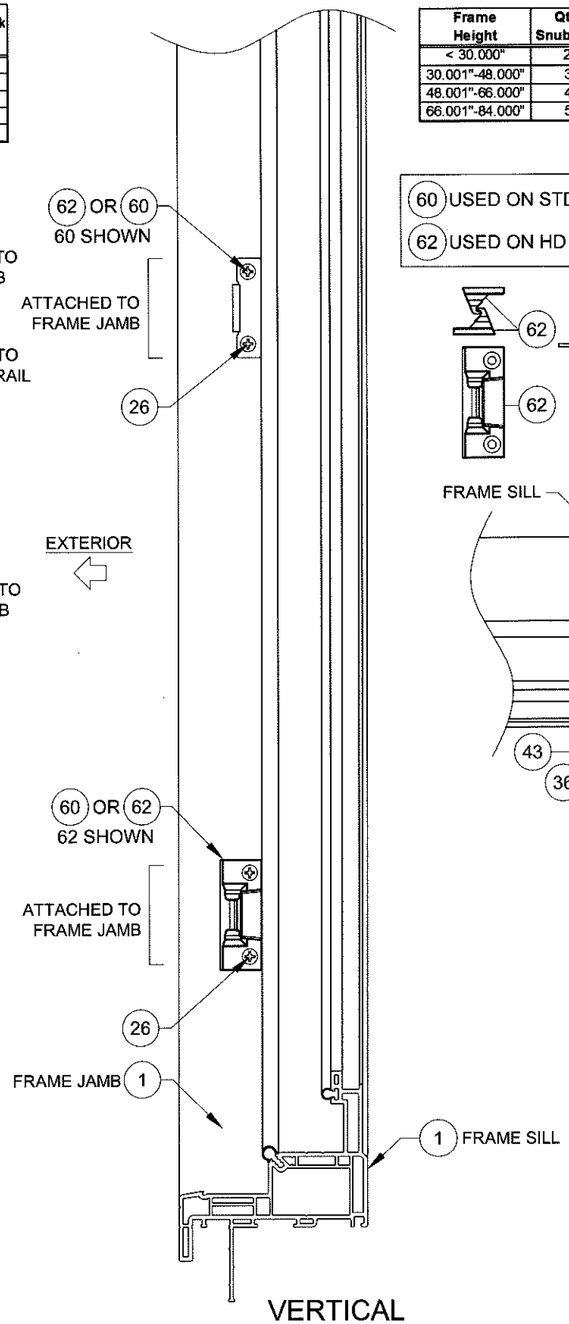
ANTHONY LYNN MILLER
LICENSE
No. 58705
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
6/14/16

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

| Frame Height | Qty. Lock Points |
|---|---|
| < 32.249" | 2 |
| 32.250"-48.249" | 3 |
| 48.250"-64.249" | 4 |
| 66.250"-76.249" | 5 |
| 76.250"-84.000" | 6 |




## VERTICAL HARDWARE
LOCK JAMB




## VERTICAL HARDWARE
HINGE JAMB

| Frame Height | Qty. Snubbers |
|---|---|
| < 30.000" | 2 |
| 30.001"-48.000" | 3 |
| 48.001"-66.000" | 4 |
| 66.001"-84.000" | 5 |

60 USED ON STD. VENT ONLY

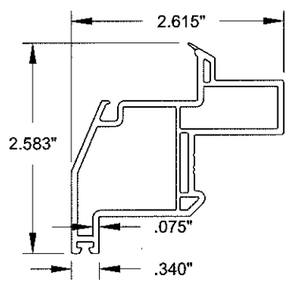
62 USED ON HD VENT ONLY



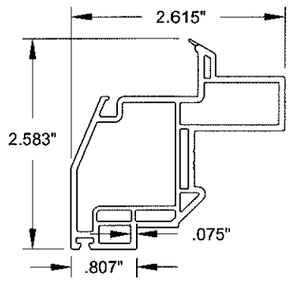




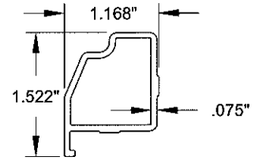
## HORIZONTAL HARDWARE SECTION



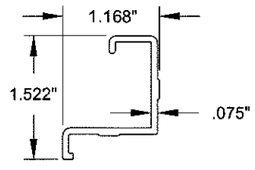

6 HD VENT RAIL



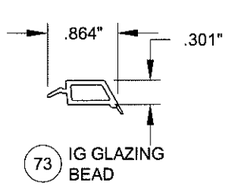

5 STANDARD VENT RAIL



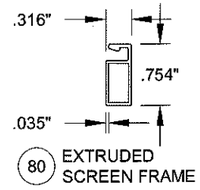

11 HD VENT REINFORCEMENT




10 STANDARD VENT REINFORCEMENT




73 IG GLAZING BEAD




80 EXTRUDED SCREEN FRAME

NOTES:

1) SOME PARTS/OPTIONS NOT SHOWN FOR CLARITY.

2) INTEGRAL FIN FRAME SHOWN, PART #1. OTHER FRAME TYPES APPLY.

PRODUCT REVISED
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Acceptance No 16-0714.11
Expiration Date Sept. 17, 2020
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Miami Dade Product Control

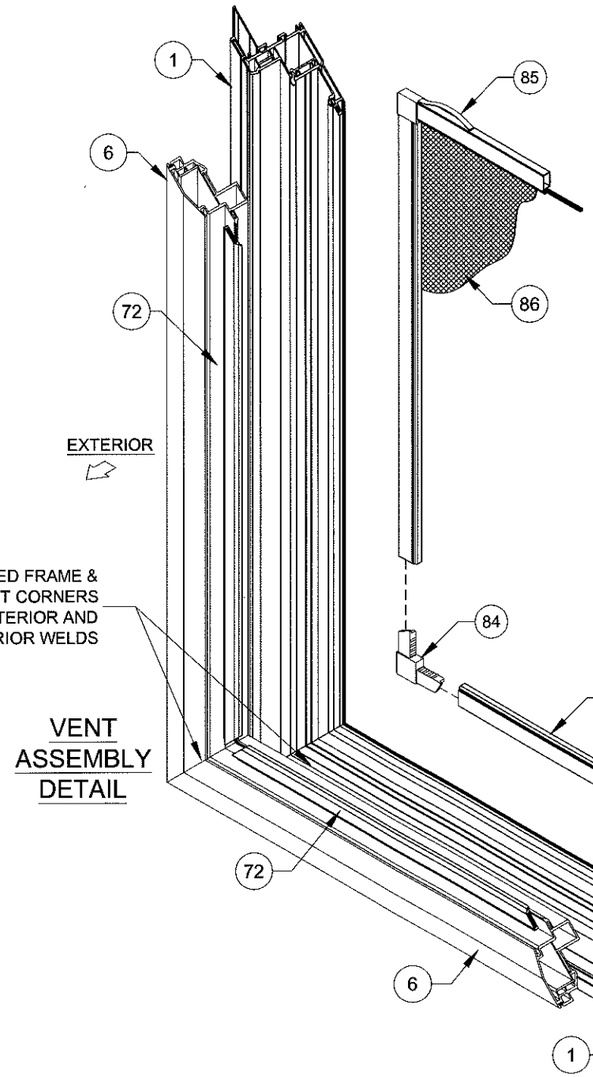

PGT®
CERT. OF AUTH. #29296
1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
(941)-480-1600


| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Title | VINYL CASEMENT WINDOW NOA (LM) | | | | | Date | 9/9/14 |
| Desc. | BOM & ASSEMBLY A | | | | Drawn By | | J ROSOWSKI |
| Rev A | | | | | | | |
| Rev 2 | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 10 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

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

TABLE 9:

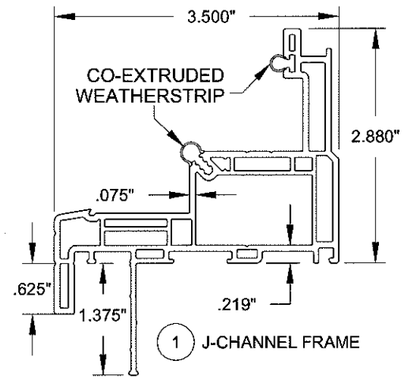
| | | | |
|---|---|---|---|
| 1 | 620125 | J-channel Frame | PVC |
| 2 | 620126 | Flange Frame | PVC |
| 3 | 620127 | Integral Fin Frame | PVC |
| 4 | 620128 | Equal Leg/Box Frame | PVC |
| 5 | 620130 | Standard Vent Rail | PVC |
| 6 | 620173 | HD Vent Rail | PVC |
| 10 | 620163 | Standard Vent Reinforcement (Full Length) | Alum. 6005-T5 |
| 11 | 620164 | HD Vent Reinforcement (Full Length) | Alum. 6005-T5 |
| 15 | 6TP247 | Weatherstrip, 65 +/-1 duro. | Flex PVC |
| 20 | 7024 | Multi-Point Lock | C Steel |
| 21 | 7011 | Multi-Point Lock Flat Support Plate | C Steel |
| 22 | varies with size | Tie Bar | C Steel |
| 23 | 20222 | Tie Bar Guide | C Steel |
| 24 | 7014 | Multi-Lock Keeper | C Steel |
| 25 | 71024X0562PPFX | #10-24 x 9/16" Phl. PH Machine Screw | SS |
| 26 | 78X34PPTX410 | #8 x 3/4" Phl. PH Tek | SS |
| 27 | 78X112PSAX | #8 x 1-1/2" Phl. FH Tek | SS |
| 28 | 20249/50 | Dyad Operator (narrow vent < or = to 24"), L/R | C Steel |
| 29 | 20249X/50X | Dyad Operator (narrow vent < or = to 24"), L/R | SS |
| 30 | 20251/52 | Dual Arm Operator (wide vent >24"), L/R | C Steel |
| 31 | 20251X/52X | Dual Arm Operator (wide vent >24"), L/R | SS |
| 32 | 7033 | Dual Arm Operator Track | SS |
| 33 | 20241/42 | HD Dual Arm Operator, L/R | C Steel |
| 34 | 20241X/42X | HD Dual Arm Operator, L/R | SS |
| 35 | 20244 | HD Operator Track | SS |
| 36 | 7031 | Operator Backing Plate | C Steel |
| 37 | 20253 | Operator Cover | |
| 38 | 7030 | Operator Gasket White | Neoprene |
| 39 | | Standard Handle | C Steel |
| 40 | 7018 | Folding Handle | C Steel |
| 41 | 7019 | T-Handle (Thumbtum) | C Steel |
| 42 | 78X12PPMSX | #8-32 x 1/2" Phl. PH Machine Screw | SS |
| 43 | 78S34PFAX | #8 x 3/4" Phl. FH | SS |
| 44 | 78X1PSDX | #8 x 1" Phl. FH Tek | SS |
| 45 | 7MC7032LH/RH | Stud Bracket, L/R | C Steel |
| 46 | 7MC7032LHX/RHX | Stud Bracket,L/R | SS |
| 47 | 20243 | HD Stud Bracket, non-handed | C Steel |
| 48 | 20243X | HD Stud Bracket, non-handed | SS |
| 49 | 73337LH/RH | Egress Hinge, L/R | C Steel |
| 50 | 73337LHX/RHX | Egress Hinge, L/R | SS |
| 51 | 73338LH/RH | Washable Hinge, L/R | C Steel |
| 52 | 73338LHX/RHX | Washable Hinge, L/R | SS |
| 53 | 20245/6 | HD Washable Hinge, L/R | C Steel |
| 54 | 20245X/6X | HD Washable Hinge, L/R | SS |
| 55 | 720247/8 | HD Washable Hinge Track, L/R | C Steel |
| 56 | 720247X/8X | HD Washable Hinge Track, L/R | SS |
| 57 | 78X34FPAX | #8 x 3/4" Phl. FH w/ #7 Head | SS |
| 58 | 731877 | Operator Slide | Plastic |
| 60 | 73346 | Snubber | C Steel |
| 62 | 720256 | HD Snubber | Die-cast Zinc |
| 63 | 78X12PPSMSX | #8 x 1/2" Phl. PH | SS |
| 64 | 20187 | Anchor Hole Plug | PVC |
| 72 | 720135 | Lami IG Glazing Bead | PVC |
| 74 | | Backbedding, GE 7700 or Dow 791 | Silicone |
| 78 | 71646N | Setting Block (7/8" x 1" x 1/8"), 85 +/- 5 duro. | EPDM |
| 80 | 67006 | Extruded Screen Frame | |
| 84 | 47040 | Screen Corner Key | |
| 85 | 7CASPM | Tension Spring | |
| 86 | 61816C34 | Screen Cloth | |
| 87 | 61635/24 | .140" Screen Spline (Machine/Hand Rolled) | |
| 90 | 620160A | Frame Assembly Tube | Alum. 6005-T5 |
| 91 | 620177 | Shallow, Flush Cap | PVC |
| 92 | 620178 | Deep, Flush Cap | PVC |



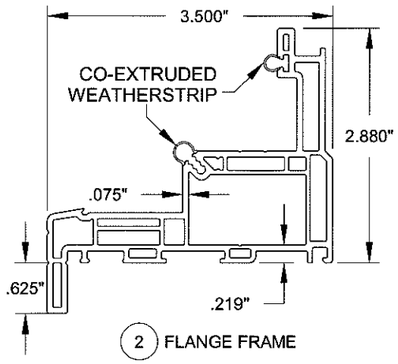

VENT ASSEMBLY DETAIL

SCREEN ASSEMBLY DETAIL

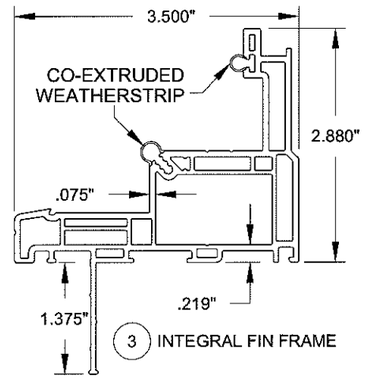
FRAME ASSEMBLY DETAIL



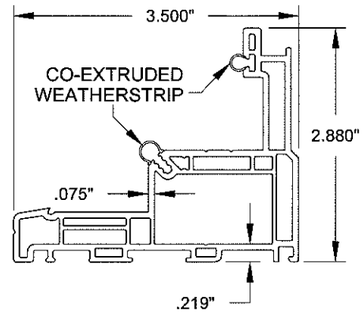

1 J-CHANNEL FRAME




2 FLANGE FRAME




3 INTEGRAL FIN FRAME




4 EQUAL LEG/BOX FRAME

NOTES:

1) SOME PARTS/OPTIONS NOT SHOWN ON DRAWING FOR CLARITY.

2) J-CHANNEL FRAME SHOWN, PART #1. OTHER FRAME TYPES, PARTS #2 - 4, APPLY.

3) ITEMS # 7-9, 12-14, 16-19, 59, 61, 65-71, 73, 75-77, 79, 81-83, 88, 89 & 93-99 ARE NOT USED AND ARE NOT PART OF THIS APPROVAL.

4) ROYAL PVC TO BE LABELED FOR AAMA EXTRUDER CODE.

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| Desc. | BOM & ASSEMBLY B | | | Drawn By | J ROSOWSKI | | |
| Rev A | | | | | | | |
| Rev 2 | | | | | | | |
| Series | CA-5540 | Scale | NTS | Sheet | 11 OF 11 | DWG No. | MD-5540C.0 | Rev. No. | A |

ANTHONY LYNN MILLER LICENSE No. 58705 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/14/16

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