



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

MIAMI-DADE COUNTY
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

Regency Plus, Inc.
2000 Locust Gap Highway
Mount Carmel, PA 17851

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 "5000" White PVC Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **RPLS0062**, titled "Series 5000 Vinyl Single Hung Window - LMI", sheets 1 through 10 of 10, dated 01/12/09, with revision **L** dated 10/20/20, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, 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, 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. 20-0526.04** and consists of this page 1, 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.
01/21/2021

NOA No. 20-1103.10
Expiration Date: July 22, 2025
Approval Date: January 21, 2021
Page 1

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. 08-1210.13)*
2. Drawing No. **RPLS0062**, titled "Impact Series 5000 Single Hung Window - LMI" sheets 1 through 5 of 5, dated 11/26/08, with revision **K** dated 05/13/20, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, 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 a white PVC single hung window, prepared by National Certified Testing Laboratories, Test Report No. **NTCL-110-11537-1**, dated 08/18/08, revised on 09/03/08, signed and sealed by Harold E. Rupp, P.E. *(Submitted under NOA No. 08-1210.13)*
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) 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 series 5405 horizontal sliding vinyl window, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-22724-1**, dated 04/27/20, signed and sealed by Joseph A. Reed, P.E. *(Submitted under NOA No. 20-0526.04)*

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 03/31/15, with revision dated 09/01/15, and updated to the **FBC 6th Edition (2017)** with revision 1 dated 04/29/20, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E. *(Submitted under NOA No. 20-0526.04)*
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

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



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-1103.10
Expiration Date: July 22, 2025
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Regency Plus, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. NOA No. **19-0305.02** issued to **Kuraray America, Inc.** for their “**Trosifol® Ultraclear, Clear and Color PVB Glass Interlayers**”, expiring on 07/08/24.
2. NOA No. **18-0122.02**, issued to **ENERGI Fenestration Solutions USA, Inc.**, for their **White Rigid PVC Exterior Extrusions for Windows and Doors**, expiring on 02/28/23.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated May 15, 2020, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Proposal No. **19-0312** issued to Regency Plus, Inc. by the Product Control Section, dated May 15, 2019, signed by Manuel Perez, P.E.

G. OTHERS

1. Notice of Acceptance No. **18-0911.05**, issued to Regency Plus, Inc. for their Series “5000” White PVC Horizontal Sliding Window – L.M.I., expiring on 07/22/20.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **RPLS0062**, titled “Series 5000 Vinyl Single Hung Window – LMI”, sheets 1 through 10 of 10, dated 01/12/09, with revision **L** dated 10/20/20, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, 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, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated 10/20/2020, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0526.04**, issued to Regency Plus, Inc. for their Series “5000” White PVC Horizontal Sliding Window – L.M.I., approved on 07/02/2020 and expiring on 07/22/25.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-1103.10
Expiration Date: July 22, 2025
Approval Date: January 21, 2021

REGENCY PLUS, INC.

SERIES 5000 VINYL SINGLE HUNG WINDOW

LARGE MISSILE IMPACT

INSTALLATION ANCHORAGE DETAILS

NOTES:

1.

THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 7th EDITION (2020) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2.

2X WOOD FRAMING, 1X OR 2X WOOD BUCK, METAL FRAMING AND CONCRETE/MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3.

1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHEN 1X BUCK IS USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHEN USED, 1X BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
4.

THE PRODUCT SHOWN HEREIN HAS BEEN TESTED TO TAS 201, TAS 202 AND TAS 203. SEE TEST REPORT NO. NCTL-110-11537-1, DATED 08/18/08, WITH REVISION DATED 09/03/08 BY NATIONAL CERTIFIED TESTING LABORATORIES, YORK, PA, SIGNED AND SEALED BY HAROLD RUPP, FLORIDA P.E. VERIFICATION TESTING PER MIAMI DADE PROPOSAL NO. 19-0312.
5.

MATERIAL:

5.1.

FRAME: EXTRUDED RIGID PVC BY ENERGI FENESTRATION SOLUTIONS USA, INC. PER CURRENT MIAMI-DADE NOA.

5.2.

REINFORCEMENT:

5.2.1.

GALVANIZED STEEL TUBE (0.730" X 0.434" X 0.06" THICK, Fy = 30-50 ksi & Fu = 37.5-68.7 ksi) - SASH PERIMETER

5.2.2.

GALVANIZED STEEL TUBE (0.935" X 0.730" X 0.05" THICK, Fy = 30-50 ksi & Fu = 37.5-68.7 ksi) - FIXED MEETING RAIL

5.2.3.

LAMINATE GLASS INTERLAYER: TROSIFOL INTERLAYER BY KURARAY AMERICA, INC. PER CURRENT MIAMI-DADE NOA.
6.

GLAZING:

6.1.

GLAZING DETAIL AS TESTED:

6.1.1.

OVERALL: 7/8" NOMINAL INSULATING LAMINATED GLASS.

6.1.2.

GLASS THICKNESS: (1) LITE OF 1/8" NOMINAL TEMPERED GLASS TO THE INTERIOR AND (1) LITE OF LAMINATED GLASS TO THE EXTERIOR.

6.1.3.

LAMINATED LITE: (2) LITES OF 1/8" NOMINAL ANNEALED GLASS SEPARATED BY A 0.090" TROSIFOL INTERLAYER BY KURARAY AMERICA, INC.

6.1.4.

SPACER TYPE/SIZE: 7/16" NOMINAL CARDINAL XL EDGE STAINLESS STEEL SPACER (TYPE SS-D).

6.1.5.

GLAZING SYSTEM: INTERIOR GLAZED WITH (2)-LEAF DUAL DUROMETER AND SIKA FLEX "552" BACKBEDDING WITH A SNAP-IN (2)-LEAF DUAL DUROMETER RIGID VINYL GLAZING BEAD.

6.2.

ALL SETTING BLOCKS AND GASKET MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER. GASKET MATERIALS SHALL BE EDPM WITH A MINIMUM 60 SHORE A DUROMETER WHERE APPLICABLE.

6.3.

AS TESTED GLAZING MEETS ASTM E1300-09a FOR THE DESIGN CONDITIONS SHOWN IN THIS PRODUCT APPROVAL DOCUMENT.

7.

APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS INCLUDING THE HVHZ.

8.

SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".

9.

FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" FLAT HEAD TAPCONS (CS) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. 4" MINIMUM SPACING BETWEEN ADJACENT ANCHORS REQUIRED. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

10.

FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE ONE OF THE FOLLOWING:

10.1.

#12 FLAT HEAD WOOD SCREWS (WS) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

10.2.

#14 FLAT HEAD WOOD SCREWS (WS) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

11.

FOR ANCHORING INTO METAL STRUCTURE USE #14 FLAT HEAD SHEET METAL OR SELF DRILLING SCREWS (SMS) WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 3/4" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.

12.

ALL FASTENERS TO BE CORROSION RESISTANT OR HAVE A CORROSION RESISTANT COATING

13.

INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:

13.1.

WOOD - MINIMUM SPECIFIC GRAVITY OF (G) 0.42 (NON-HVHZ) AND 0.55 (HVHZ)

13.2.

CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI

13.3.

MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT WITH DENSITY > 117 PCF

13.4.

METAL SUBSTRATE: STEEL 18GA (0.0428"), Fy = 33KSI / Fu = 45 KSI OR ALUMINUM 6063-T5 0.048" THICK MINIMUM.

13.4.1.

STEEL SUBSTRATE TO MEET MINIMUM FBC HVHZ CODE REQUIREMENTS.
- | TABLE OF CONTENTS | |
|-------------------|--|
| SHEET | DESCRIPTION |
| 1 | NOTES |
| 2 | ELEVATION AND ANCHOR LAYOUT (WS AND CS SCREWS) |
| 3 | ELEVATION AND ANCHOR LAYOUT (SMS/TAPPING/SELF-DRILLING SCREWS) |
| 4 | VERTICAL SECTIONS - COMPONENT ID |
| 5 | HORIZONTAL SECTIONS - COMPONENT ID & FRAME CORNER CONSTRUCTION |
| 6 | VERTICAL SECTIONS - WOOD AND CONCRETE/MASONRY SUBSTRATE ANCHORAGE |
| 7 | VERTICAL SECTIONS - METAL SUBSTRATE ANCHORAGE & INSTALLATION NOTES |
| 8 | HORIZONTAL SECTIONS - WOOD, CONCRETE/MASONRY & METAL SUBSTRATE ANCHORAGE |
| 9 | COMPONENTS |
| 10 | BILL OF MATERIALS & GLAZING DETAILS |
- PROJECT #420-0810

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851

TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI

DATE: 1/12/09

DRAWING NO: RPLS0062

SHEET: 1 OF 10

REV: L

REV: 10/20/20

REV: 5/13/20

REV: 1/8/18

REV: DATE

PTC Product Design Group, LLC
PO Box 520775, Longwood, FL 32752-0775
321-690-1788 info@ptc-corp.com
FBPE Cert. of Auth. No. 25935

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMORUSO


LICENSE

No 49752

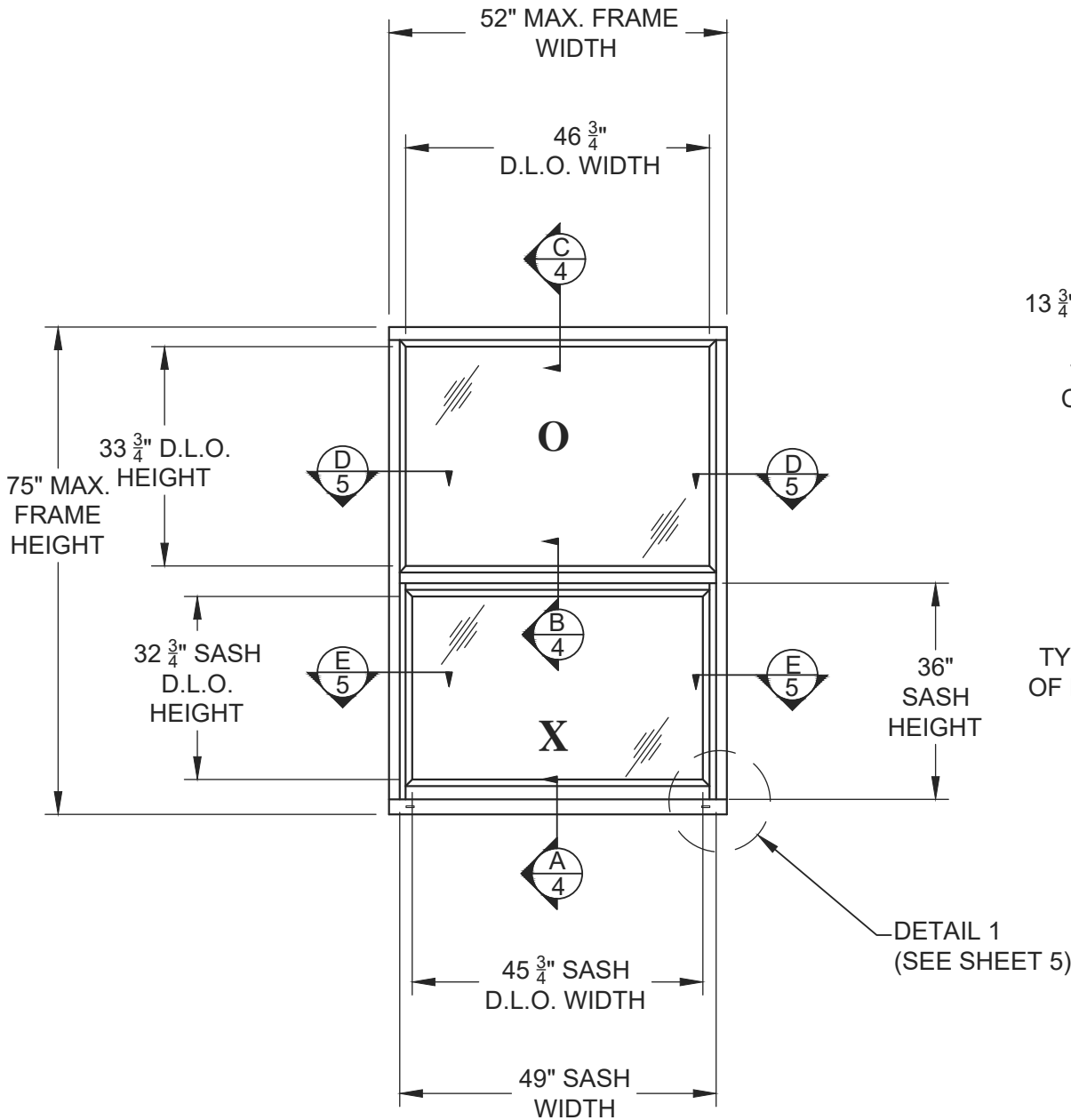
10/20/2020

STATE OF FLORIDA

PROFESSIONAL ENGINEER

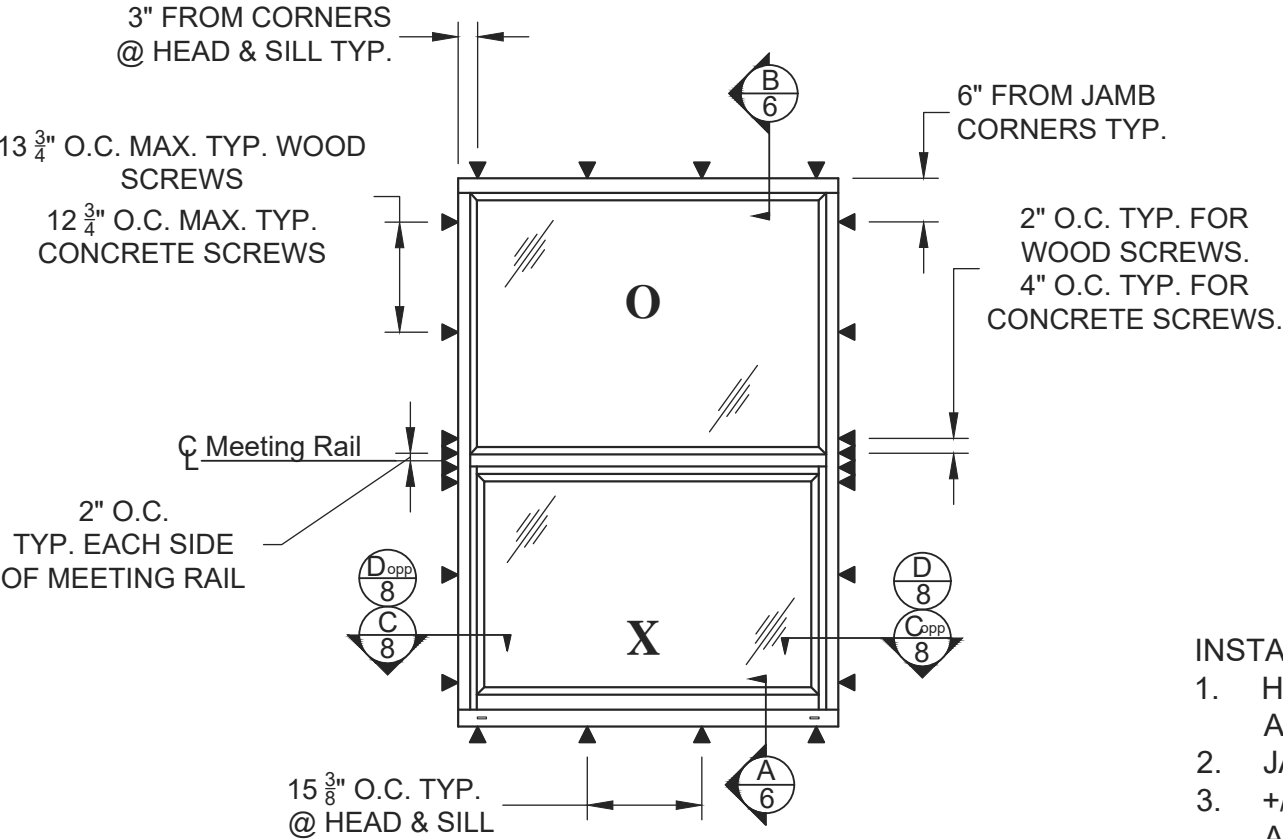
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1103.10
Expiration Date 07/22/2025
By 
Miami-Dade Product Control

SERIES 5000 VINYL SINGLE HUNG WINDOW
INSTALLATION INTO WOOD SUBSTRATE (WOOD OR TAPPING
SCREWS) OR CONCRETE/MASONRY SUBSTRATE
(CONCRETE SCREWS)



SERIES 5000 VINYL SINGLE
HUNG WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+55.0/-55.0	LARGE MISSILE IMPACT



SERIES 5000 VINYL SINGLE HUNG WINDOW
EXTERIOR VIEW - ANCHORAGE
WOOD AND CONCRETE/MASONRY SUBSTRATES

- INSTALLATION NOTES:
- HEAD AND SILL ANCHORAGE THE SAME.
 - JAMB ANCHORAGE SAME.
 - +/- 1" TOLERANCE ON ANCHOR LOCATION.
 - TAPCON MINIMUM SPACING IS 4" OC.
 - WOOD AND TAPPING SCREW MINIMUM SPACING IS 2" OC.

WEEP HOLES:

- ONE (1) WEEP HOLE MEASURING 1-1/4" X 1/4" AND EMPLOYING A PLASTIC WEEP COVER WAS LOCATED AT 2-5/8" FROM EACH END OF THE EXTERIOR SILL FACE.

PROJECT #420-0810	UPDATE TO 7TH EDITION (2020) FBC	10/20/20	RJA	BY
	REVISED, NEW ANCHORAGE AND FRAME PROFILE	5/13/20	RJA	DATE
	UPDATE TO 6TH ED. (2017) FBC	1/8/18	RJA	DESCRIPTION
	REV	J	REV	DESCRIPTION

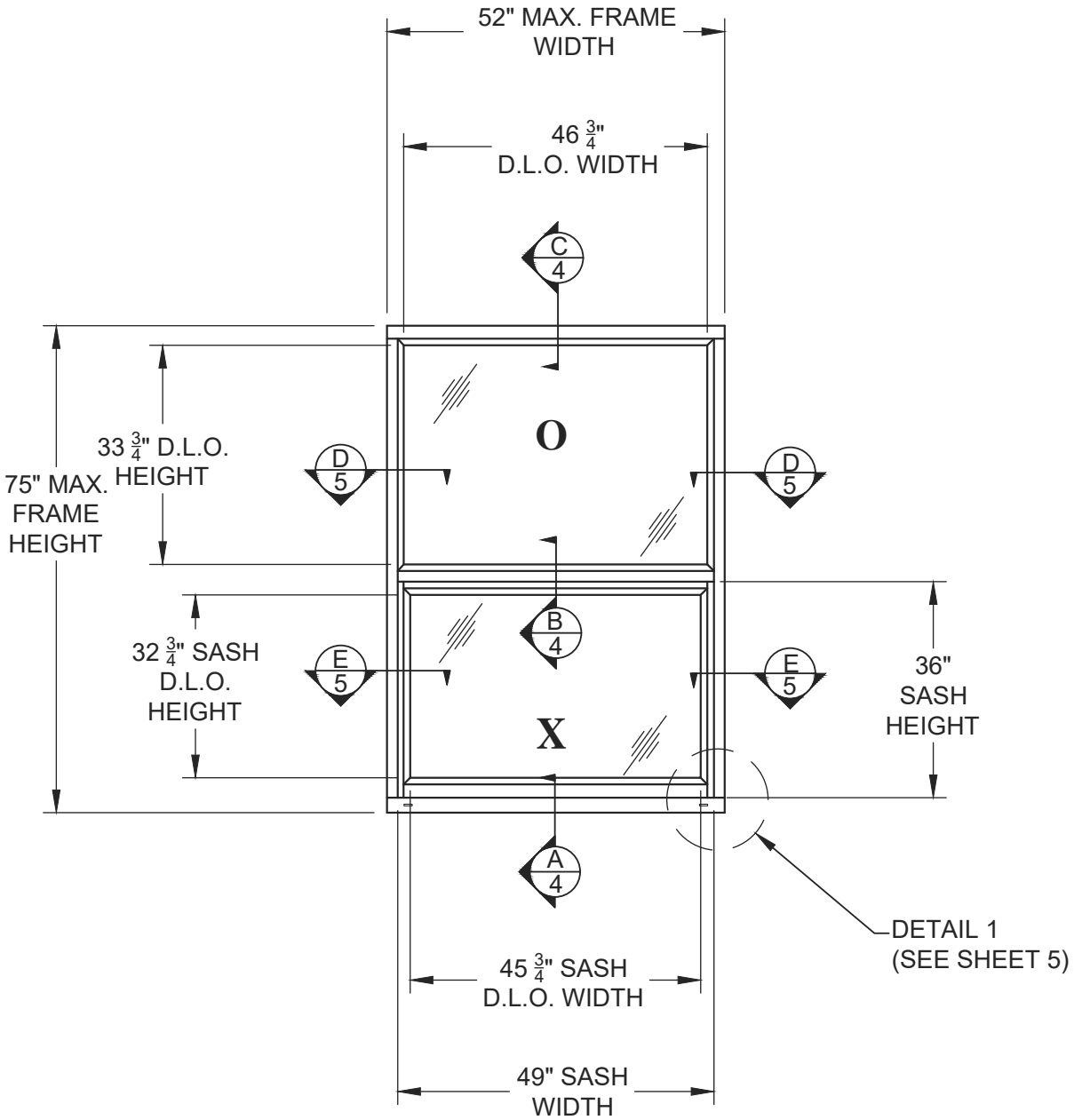
REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851	TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI ELEVATION AND ANCHOR LAYOUT (WS AND CS)	DRAWN BY:	BB	DATE:	1/12/09
		SCALE:	N.T.S.	DRAWING NO.:	RPLS0062
		REV:	L	SHEET:	2 OF 10
		PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935			

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

PROFESSIONAL ENGINEER
STATE OF FLORIDA
No 49752
10/20/20

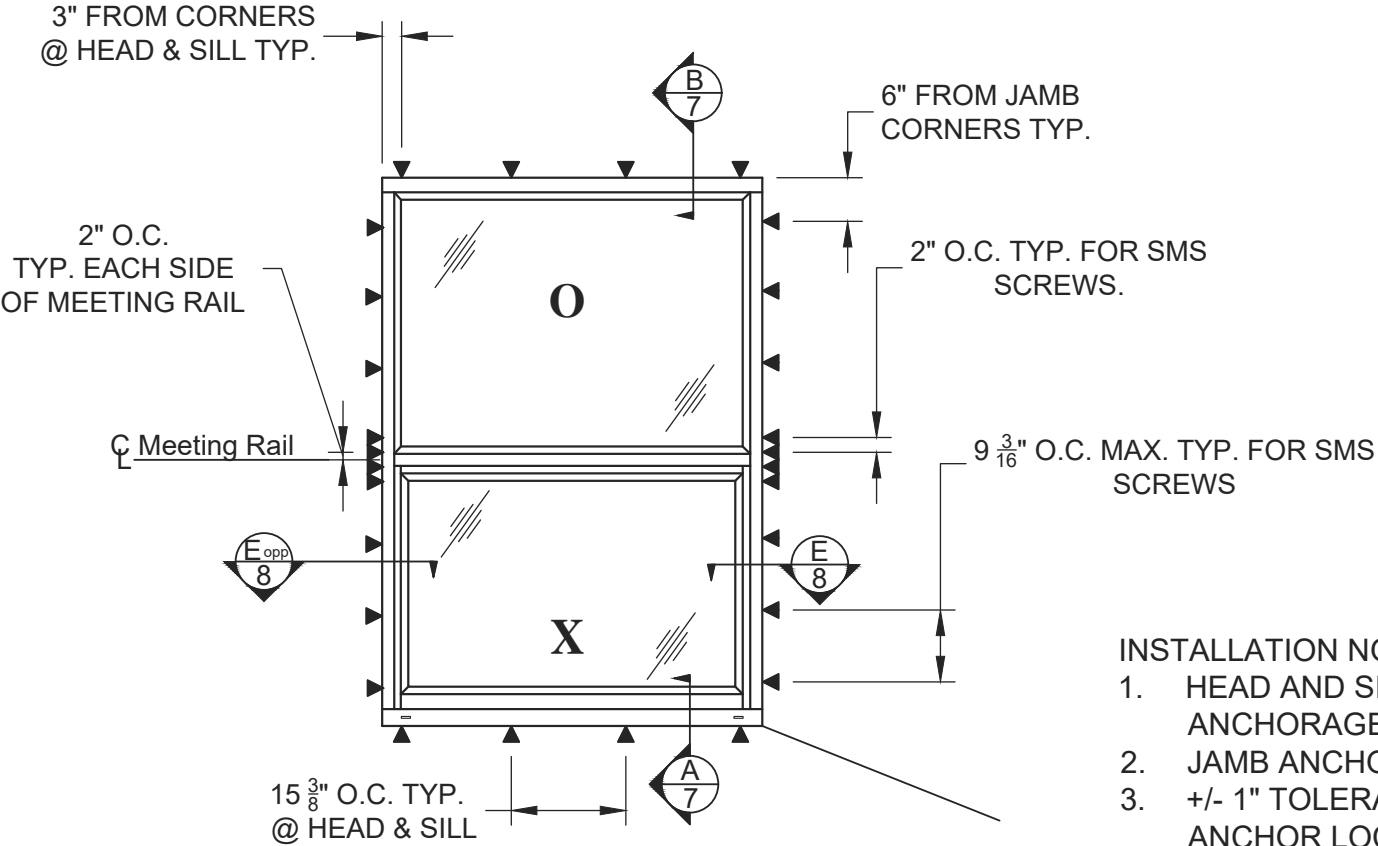
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1103.10
Expiration Date 07/22/2025
By *[Signature]*
Miami-Dade Product Control

SERIES 5000 VINYL SINGLE HUNG WINDOW
INSTALLATION INTO METAL SUBSTRATE (SMS, TAPPING OR
SELF-DRILLING SCREW)



SERIES 5000 VINYL SINGLE
HUNG WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING (PSF)	IMPACT RATING
+55.0/-55.0	LARGE MISSILE IMPACT



SERIES 5000 VINYL SINGLE HUNG WINDOW
EXTERIOR VIEW - ANCHORAGE
STEEL SUBSTRATES

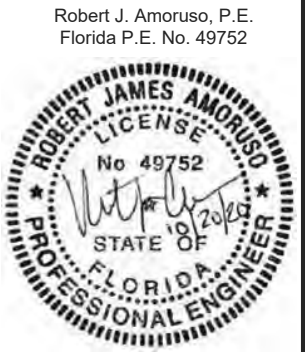
- INSTALLATION NOTES:
1. HEAD AND SILL ANCHORAGE THE SAME.
 2. JAMB ANCHORAGE SAME.
 3. +/- 1" TOLERANCE ON ANCHOR LOCATION.
 - 3.1. SMS, TAPPING OR SELF-DRILLING SCREWS MINIMUM SPACING IS 2" OC.

WEEP HOLES:

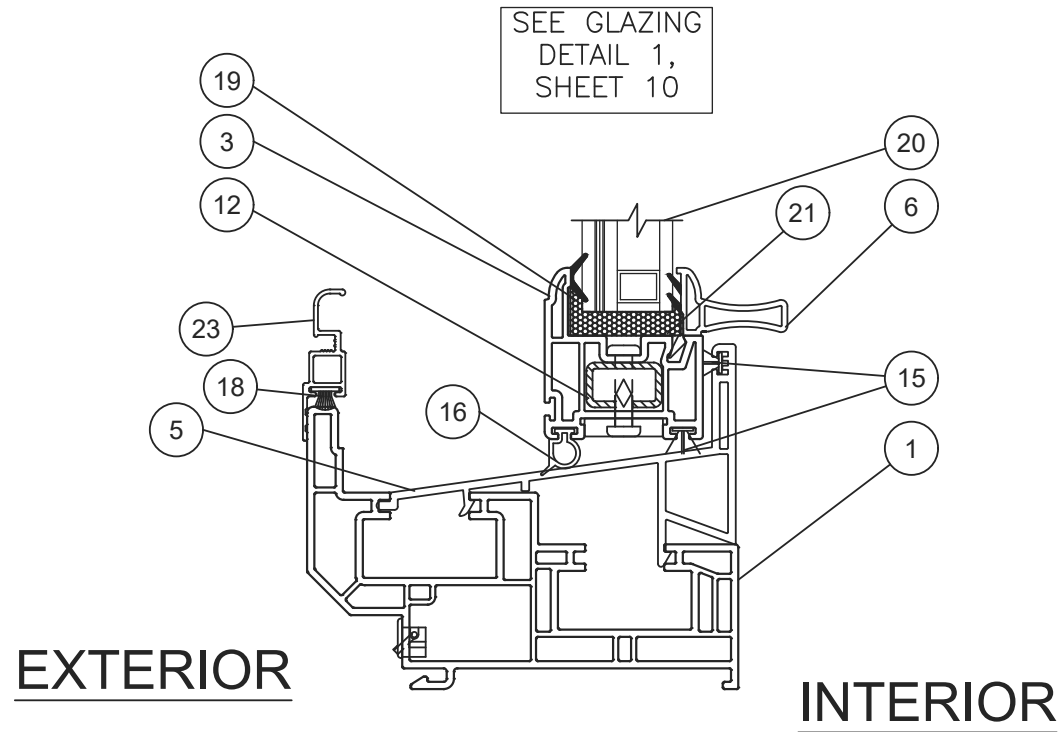
1. ONE (1) WEEP HOLE MEASURING 1-1/4" X 1/4" AND EMPLOYING A PLASTIC WEEP COVER WAS LOCATED AT 2-5/8" FROM EACH END OF THE EXTERIOR SILL FACE.

PROJECT #420-0810		RJA	BY
UPDATE TO 7TH EDITION (2020) FBC	10/20/20	RJA	DATE
REVISED, NEW ANCHORAGE AND FRAME PROFILE	5/13/20	RJA	
UPDATE TO 6TH ED. (2017) FBC	1/8/18	RJA	
DESCRIPTION	REV	J	

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851		DATE: 1/12/09	DRAWING NO: RPLS0062
TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI ELEVATION AND ANCHOR LAYOUT (WS AND CS)		SCALE: N.T.S.	SHEET: 3 OF 10
DRAWN BY: BB		REV: L	
PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935			



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1103.10
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By Miami-Dade Product Control

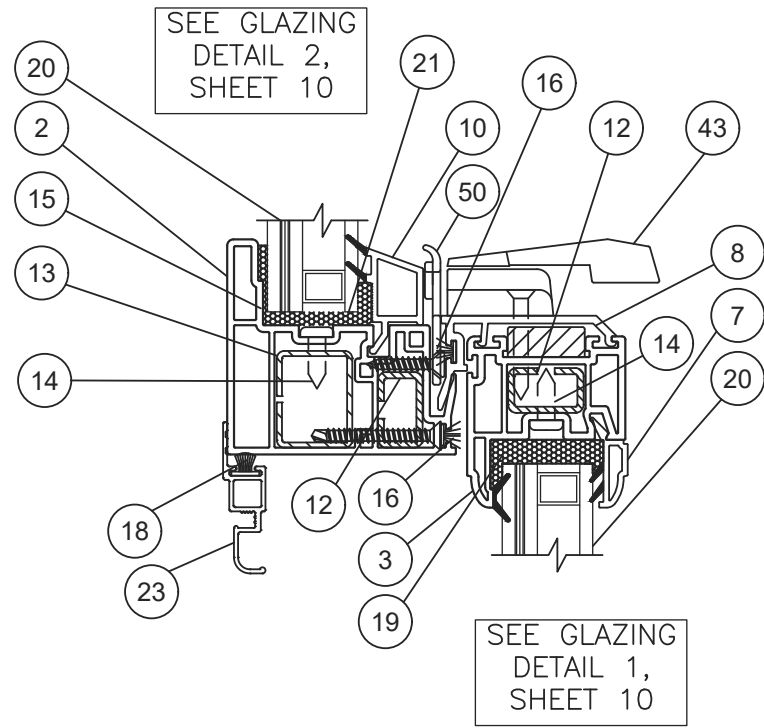


EXTERIOR

INTERIOR

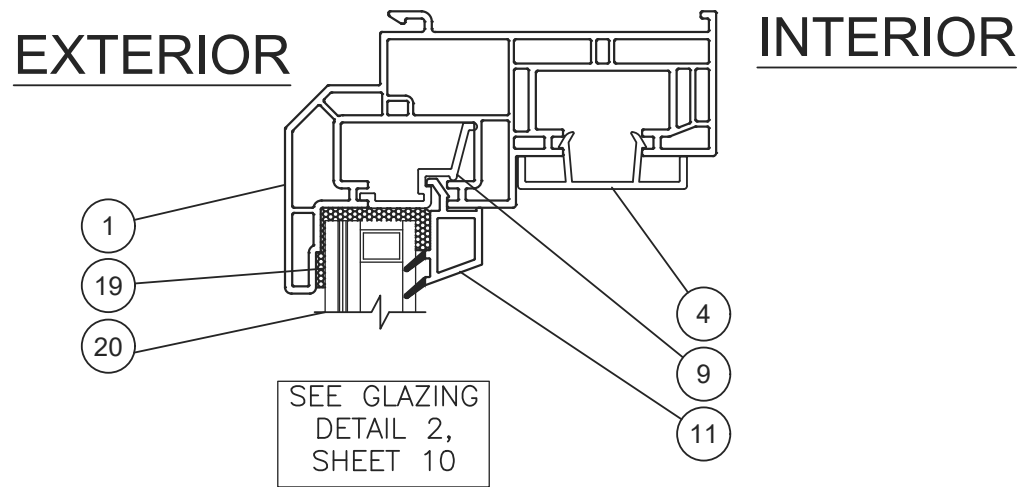
A **VERTICAL SECTION**
SILL - COMPONENT ID

EXTERIOR



INTERIOR

B **VERTICAL SECTION**
MEETING RAILS - COMPONENT ID




EXTERIOR

INTERIOR


C **VERTICAL SECTION**
HEAD - COMPONENT ID

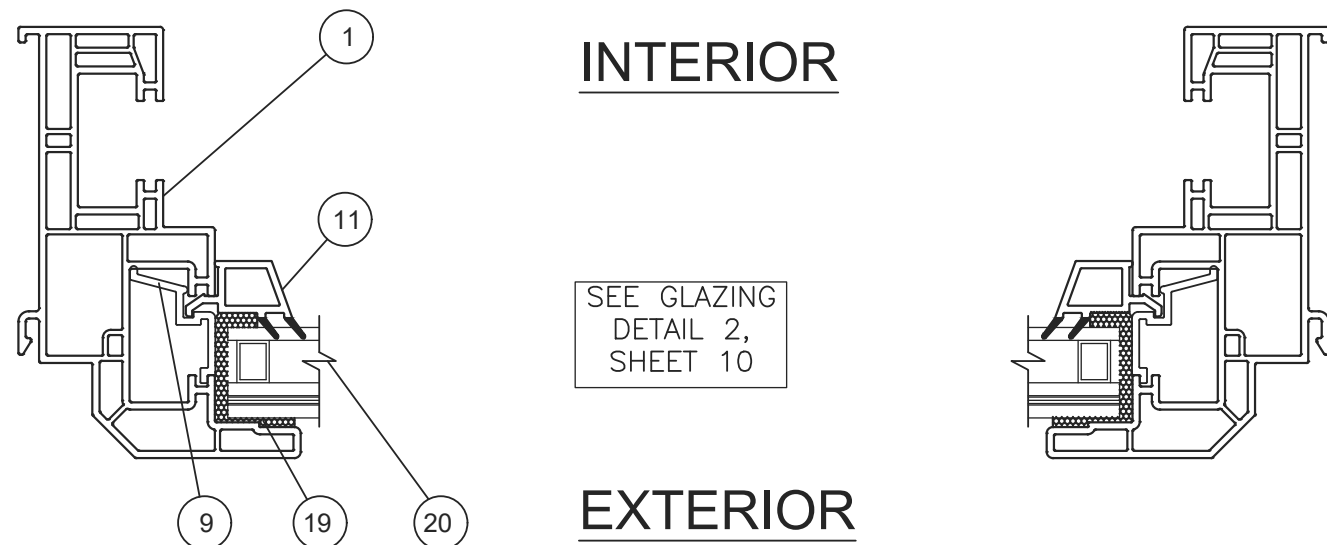
PROJECT #420-0810		RJA	RJA	RJA	BY
UPDATE TO 7TH EDITION (2020) FBC	10/20/20	5/13/20	1/8/18	DATE	
REVISED, NEW ANCHORAGE AND FRAME PROFILE	K	J	ED. (2017) FBC	DESCRIPTION	
UPDATE TO 6TH EDITION (2017) FBC	J	J	J	REV	

TITLE: SERIES 51 SINGLE HUNG WINDOW - LMI VERTICAL SECTIONS - COMPONENT ID		DRAWN BY: BB		DATE: 1/12/09
 PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935		SCALE: N.T.S.		DRAWING NO: RPLS0062
		REV: L		SHEET: 4 OF 10
REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851				

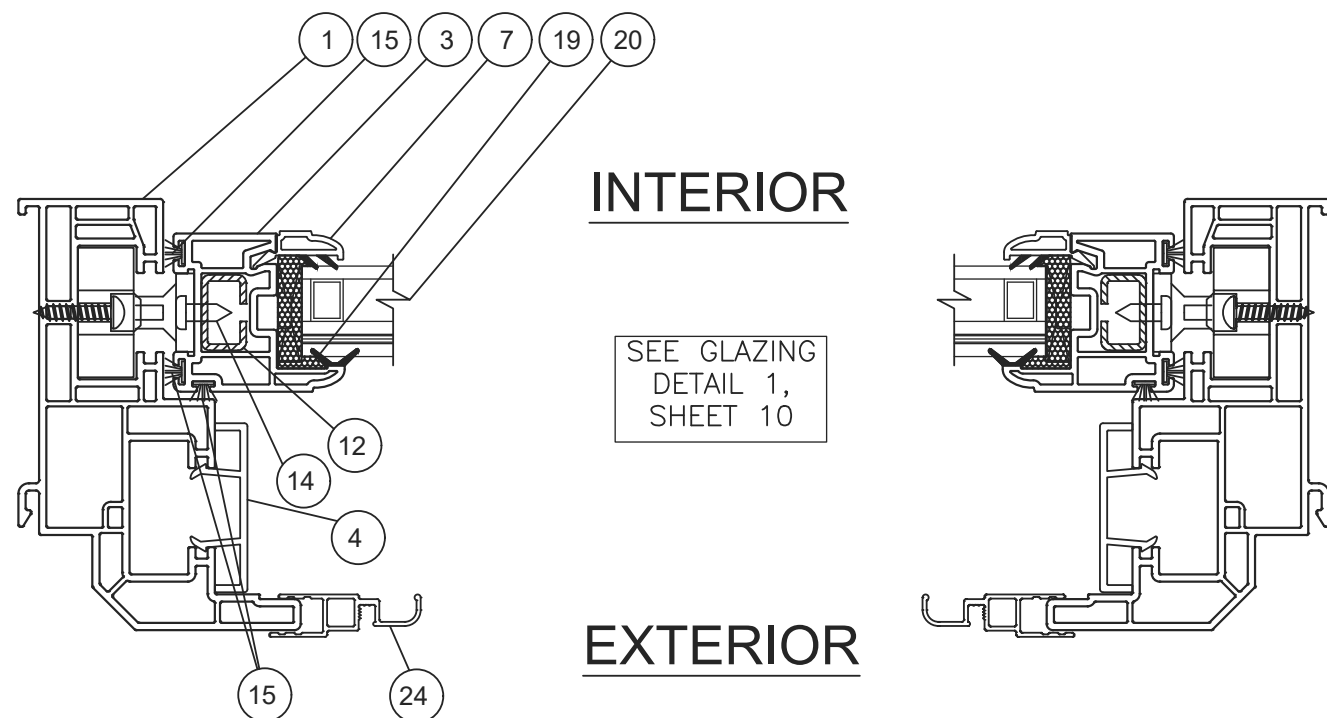
Robert J. Amoruso, P.E.
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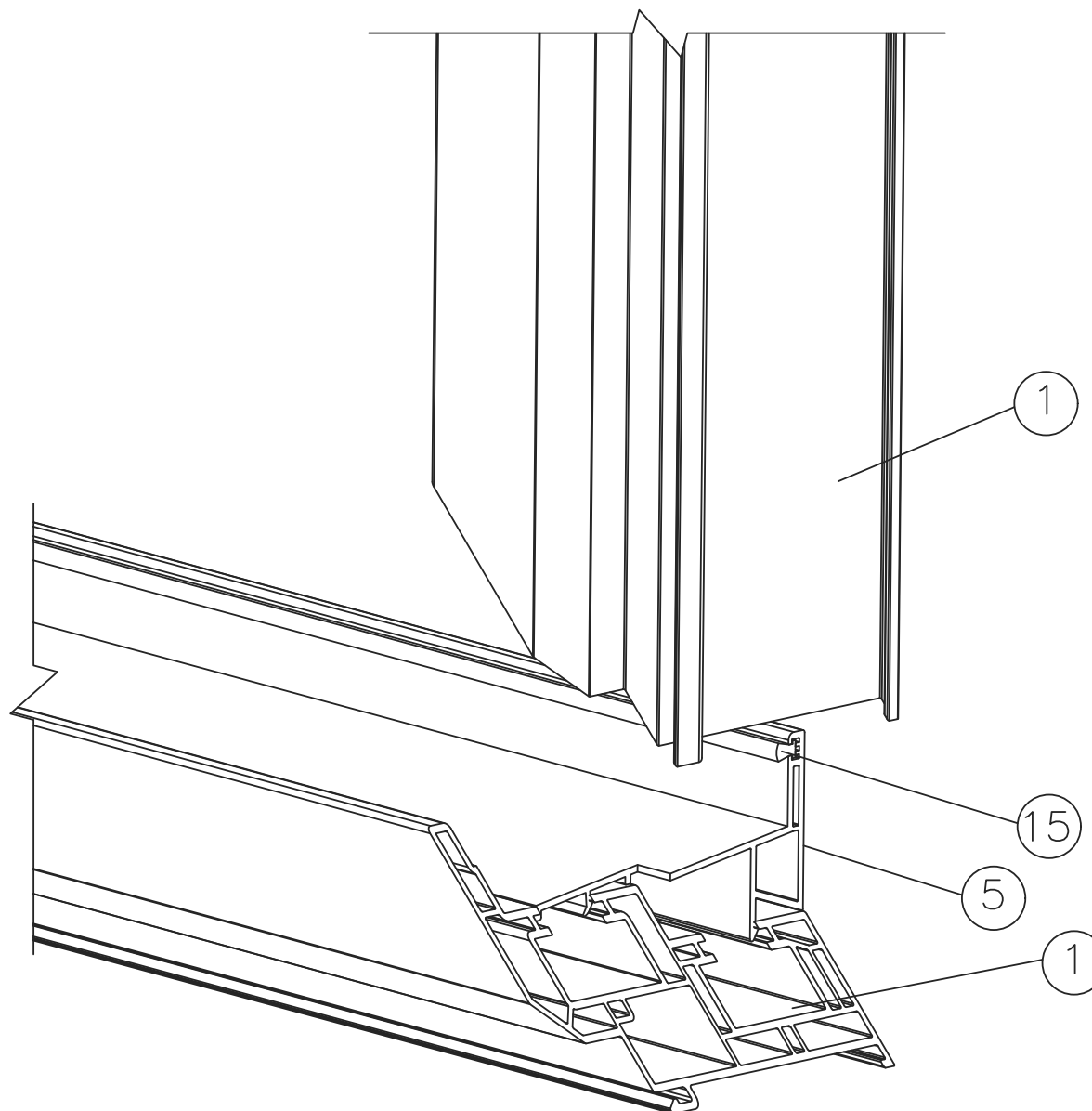
PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1103.10
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By 
Miami-Dade Product Control



D **HORIZONTAL SECTION**
FIXED LITE
JAMBS - COMPONENT ID



E **HORIZONTAL SECTION**
LOWER SASH
JAMBS - COMPONENT ID



DETAIL 1
MASTER FRAME CONSTRUCTION
(SASH FRAME SIMILAR)

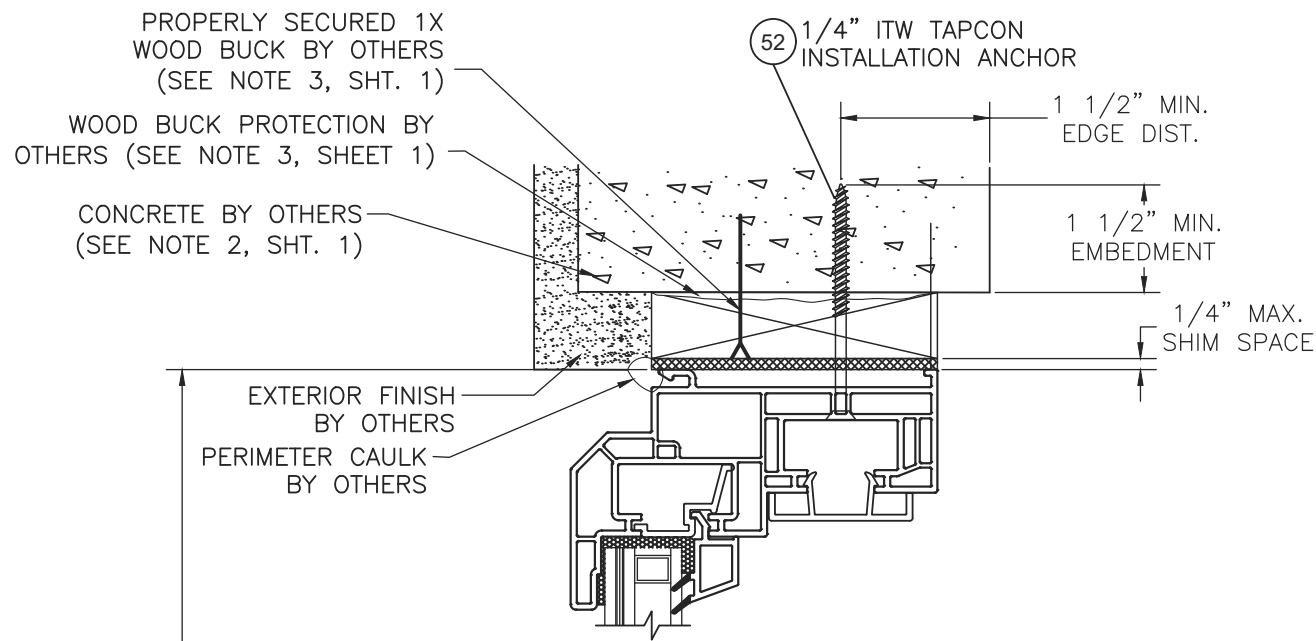
PROJECT #420-0810			
L	UPDATE TO 7TH EDITION (2020) FBC	10/20/20	RJA
K	REVISED, NEW ANCHORAGE AND FRAME PROFILE	5/13/20	RJA
J	UPDATE TO 6TH ED. (2017) FBC	1/8/18	RJA
REV	DESCRIPTION	DATE	BY

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851			
TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI HORIZONTAL SECTIONS - COMPONENT ID & FRAME CONST.			
DRAWN BY: BB	DATE: 1/12/09	DRAWING NO: RPLS0062	SHEET: 5 OF 10
SCALE: N.T.S.	REV: L	PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935	

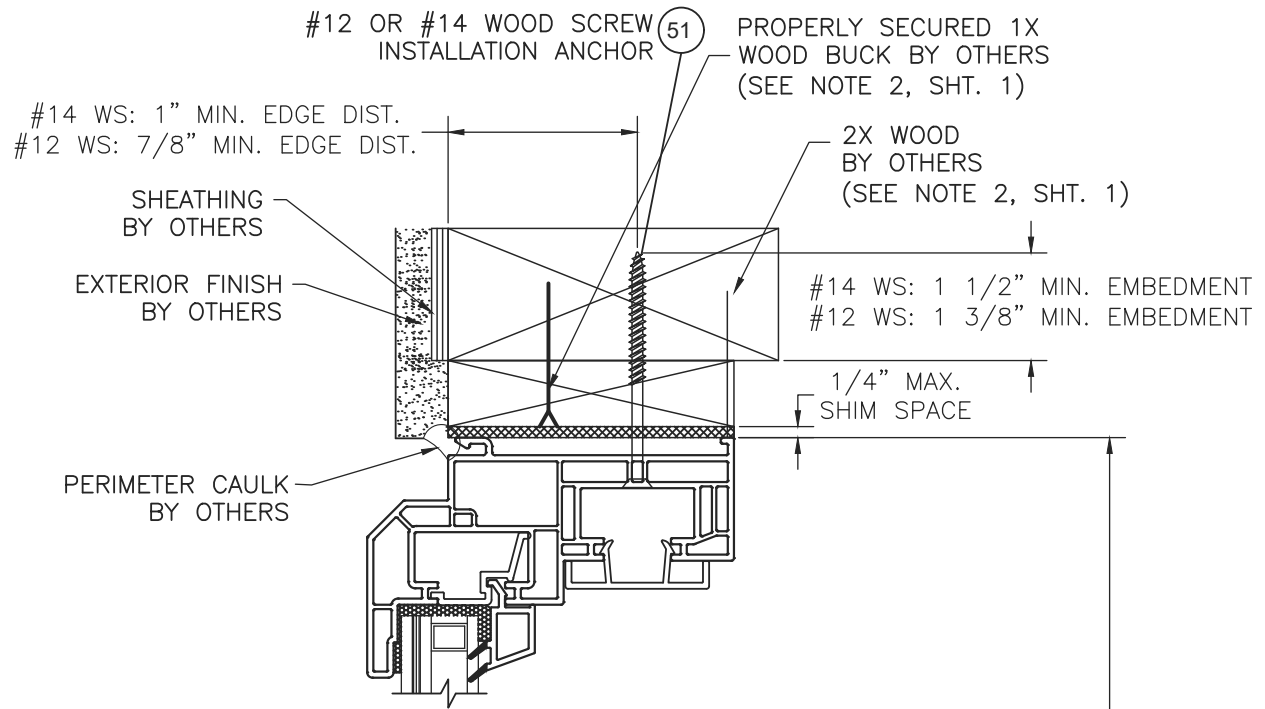
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



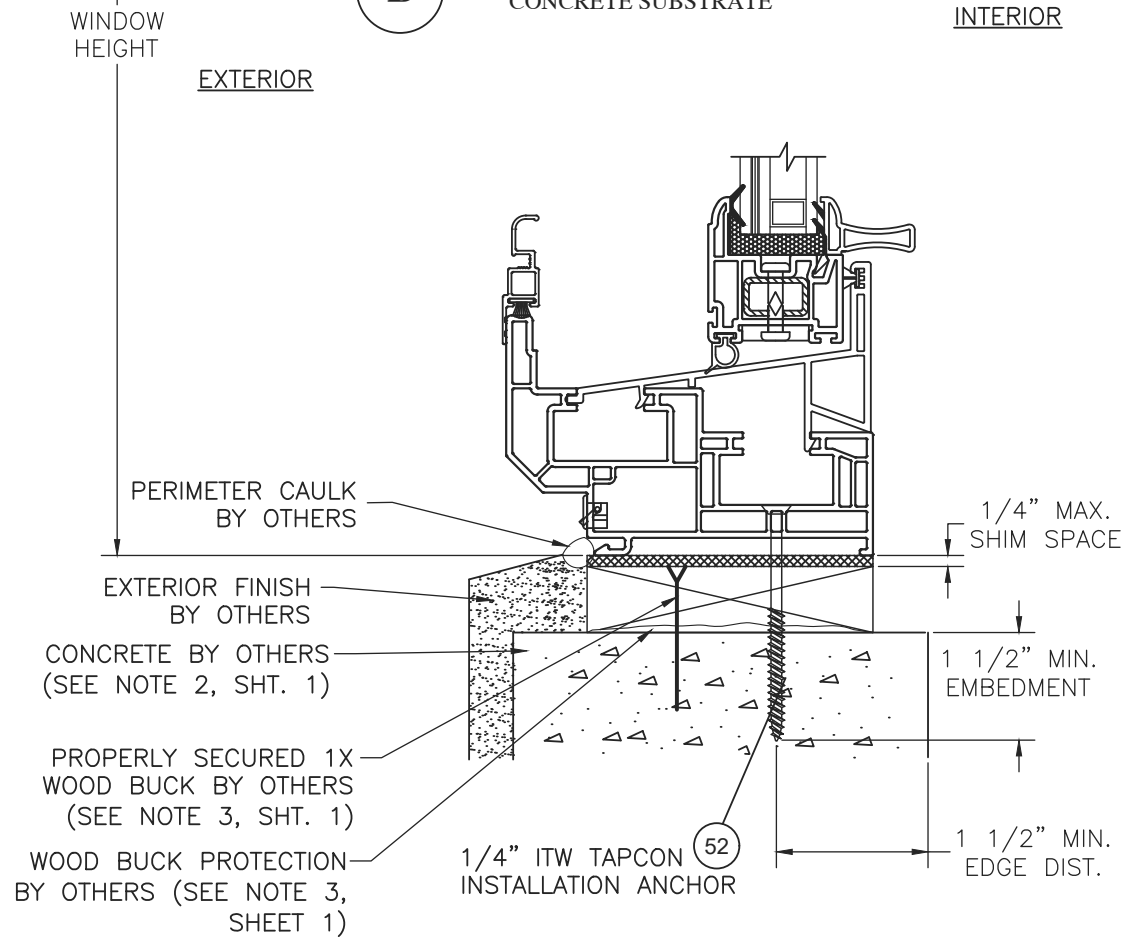
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1103.10
Expiration Date 07/22/2025
By 
Miami-Dade Product Control



B VERTICAL SECTION
CONCRETE SUBSTRATE

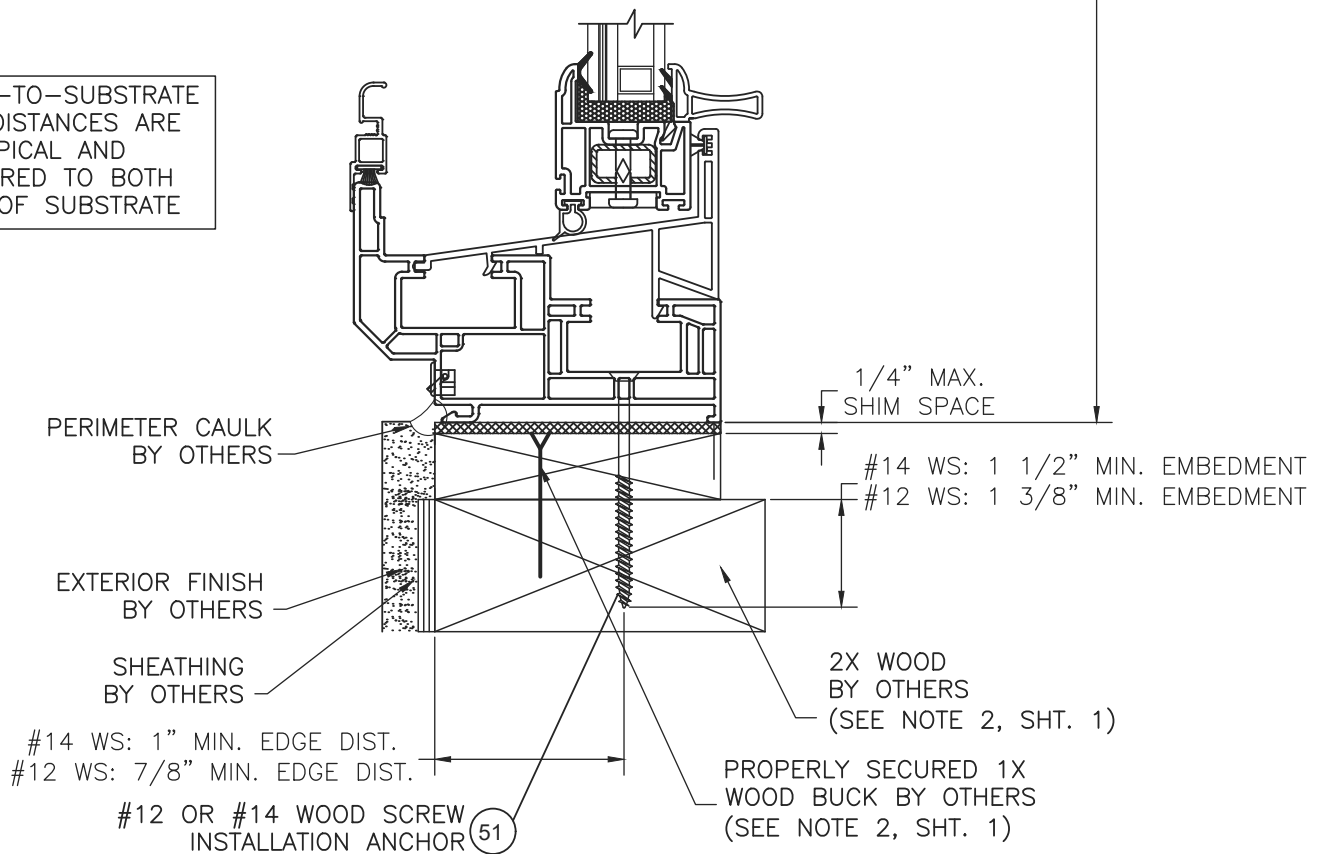


B VERTICAL SECTION
WOOD SUBSTRATE



A VERTICAL SECTION
CONCRETE SUBSTRATE

ANCHOR-TO-SUBSTRATE
EDGE DISTANCES ARE
TYPICAL AND
MEASURED TO BOTH
SIDES OF SUBSTRATE



A VERTICAL SECTION
WOOD SUBSTRATE

PROJECT #420-0810	RJA	RJA	RJA	BY
	10/20/20	5/13/20	1/8/18	DATE
	UPDATE TO 7TH EDITION (2020) FBC	REVISED, NEW ANCHORAGE AND FRAME PROFILE	UPDATE TO 6TH ED. (2017) FBC	DESCRIPTION
	L	K	J	REV

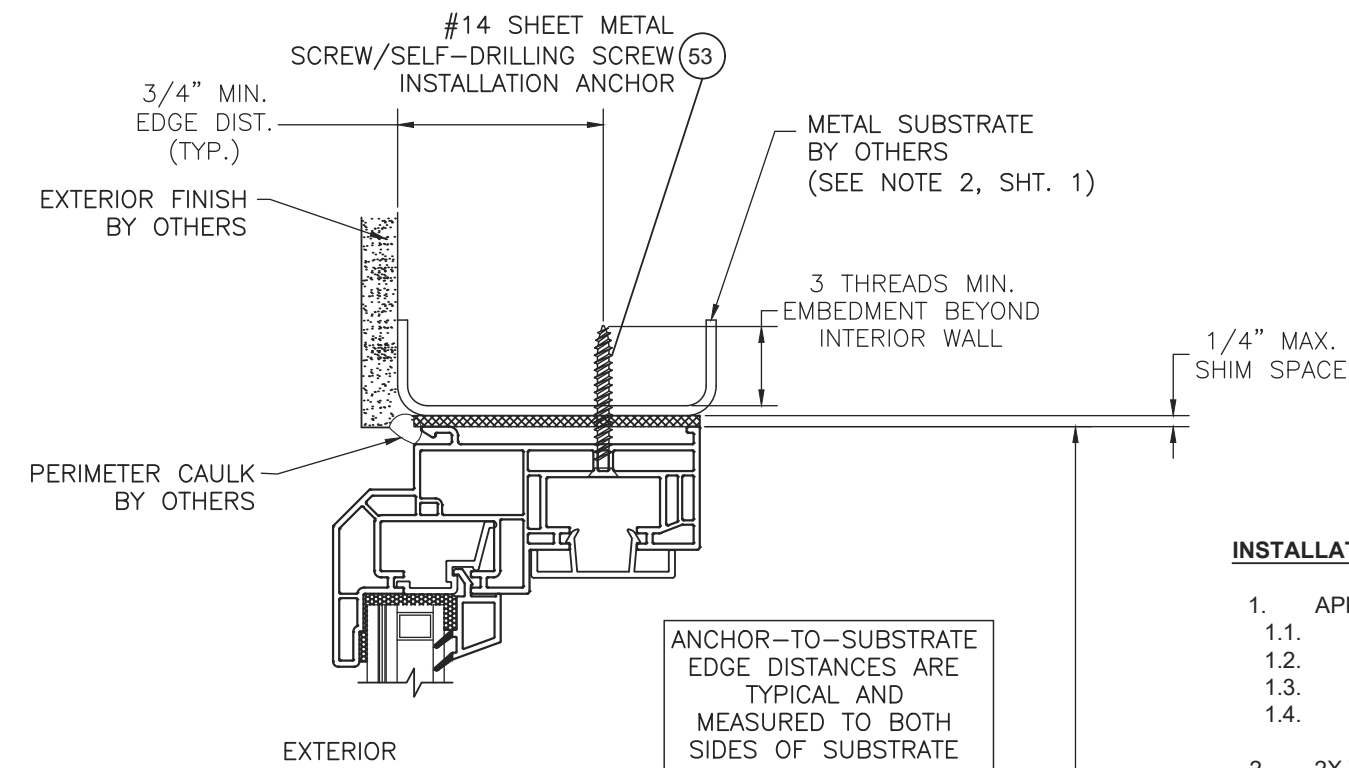
REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851 TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI WOOD AND CONCRETE/MASONRY SUBSTRATE ANCHORAGE	DRAWN BY:	DATE:	DRAWING NO:	SHEET:
	BB	1/12/09	RPLS0062	6 OF 10
	SCALE:	N.T.S.	RPLS0062	
	REV:	L		

PTC Product Design Group, LLC
 PO Box 520775, Longwood, FL 32752-0775
 321-690-1788 info@ptc-corp.com
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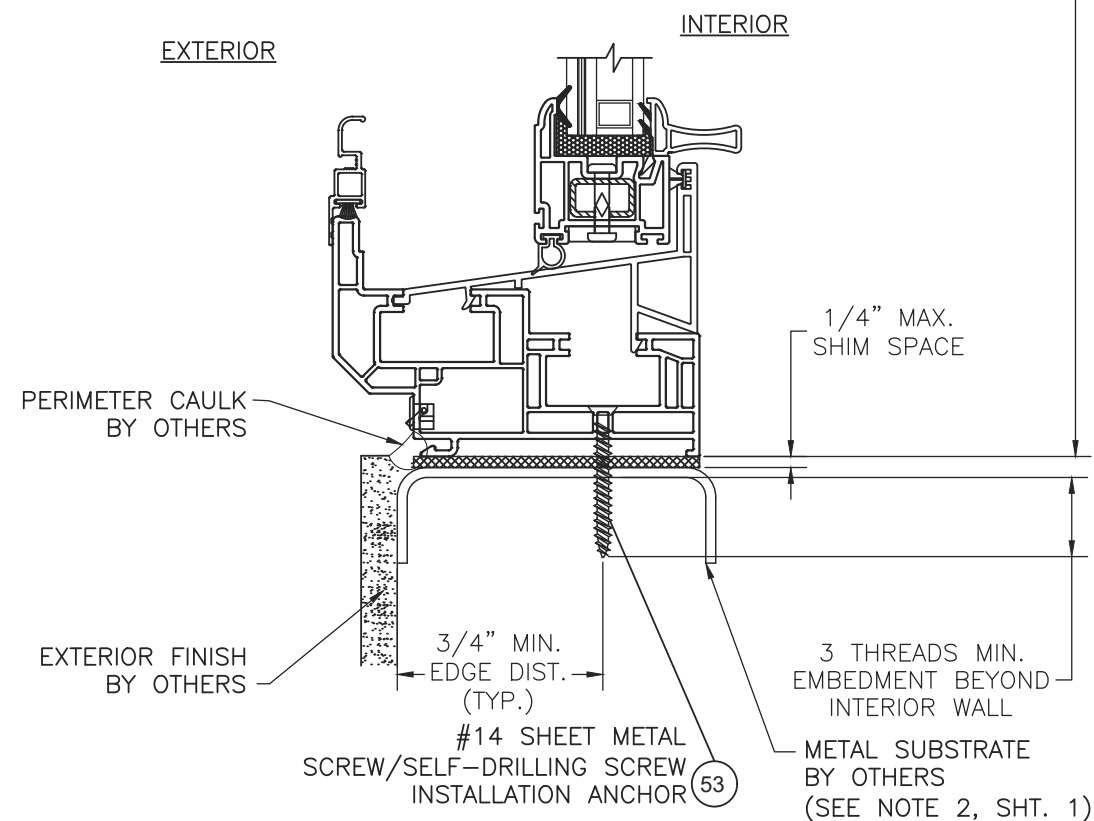
Robert J. Amoroso, P.E.
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B VERTICAL SECTION METAL SUBSTRATE



A VERTICAL SECTION METAL SUBSTRATE

INSTALLATION NOTES:

- APPROVED INSTALLATION SUBSTRATES INCLUDE THE FOLLOWING:
 - WOOD FRAMING,
 - STEEL STUD FRAMING,
 - ALUMINUM FRAMING, AND
 - CONCRETE AND/OR MASONRY.
- 2X WOOD FRAMING, 1X OR 2X WOOD BUCK, METAL FRAMING AND CONCRETE/MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND CONCRETE/MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 1X BUCK OVER CONCRETE/MASONRY IS OPTIONAL. WHEN 1X BUCK IS USED, INSTALLATION ANCHORS WILL PASS THROUGH WINDOW FRAME AND 1X BUCK INTO CONCRETE/MASONRY SUBSTRATE. WHEN USED, 1X BUCKS SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE AND IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- FOR ANCHORING INTO CONCRETE/MASONRY USE 1/4" FLAT HEAD TAPCONS (CS) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO CONCRETE WITH 1 1/2" MINIMUM EDGE DISTANCE AND 1" MINIMUM EMBEDMENT INTO MASONRY WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. 4" MINIMUM SPACING BETWEEN ADJACENT ANCHORS REQUIRED. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
- FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE ONE OF THE FOLLOWING:
 - #12 FLAT HEAD WOOD SCREWS (WS) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 7/8" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
 - #14 FLAT HEAD WOOD SCREWS (WS) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
- FOR ANCHORING INTO METAL STRUCTURE USE #14 FLAT HEAD SHEET METAL OR SELF DRILLING SCREWS (SMS) WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL WITH 3/4" MINIMUM EDGE DISTANCE AND MINIMUM ANCHOR-TO-ANCHOR SPACING OF 2" ON CENTER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. ANCHOR LOCATIONS HAVE +/- 1" TOLERANCE.
- INTERIOR AND EXTERIOR FINISHES BY OTHERS. NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED AND/OR SPECIFIED IN ACCORDANCE WITH ASTM E2112.

PROJECT #420-0810

REV	DESCRIPTION	DATE	BY
L	UPDATE TO 7TH EDITION (2020) FBC	10/20/20	RJA
K	REVISED, NEW ANCHORAGE AND FRAME PROFILE	5/13/20	RJA
J	UPDATE TO 6TH ED. (2017) FBC	1/8/18	RJA

REGENCY PLUS, INC.

2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851

TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI
METAL SUBSTRATE ANCHORAGE & INSTALLATION NOTES

DRAWN BY:	BB	DATE:	1/12/09
SCALE:	N.T.S.	DRAWING NO.:	RPLS0062
REV:	L	SHEET:	7 OF 10

PTC Product Design Group, LLC
PO Box 520775, Longwood, FL 32752-0775
321-690-1788 info@ptc-corp.com
FBPE Cert. of Auth. No. 25935

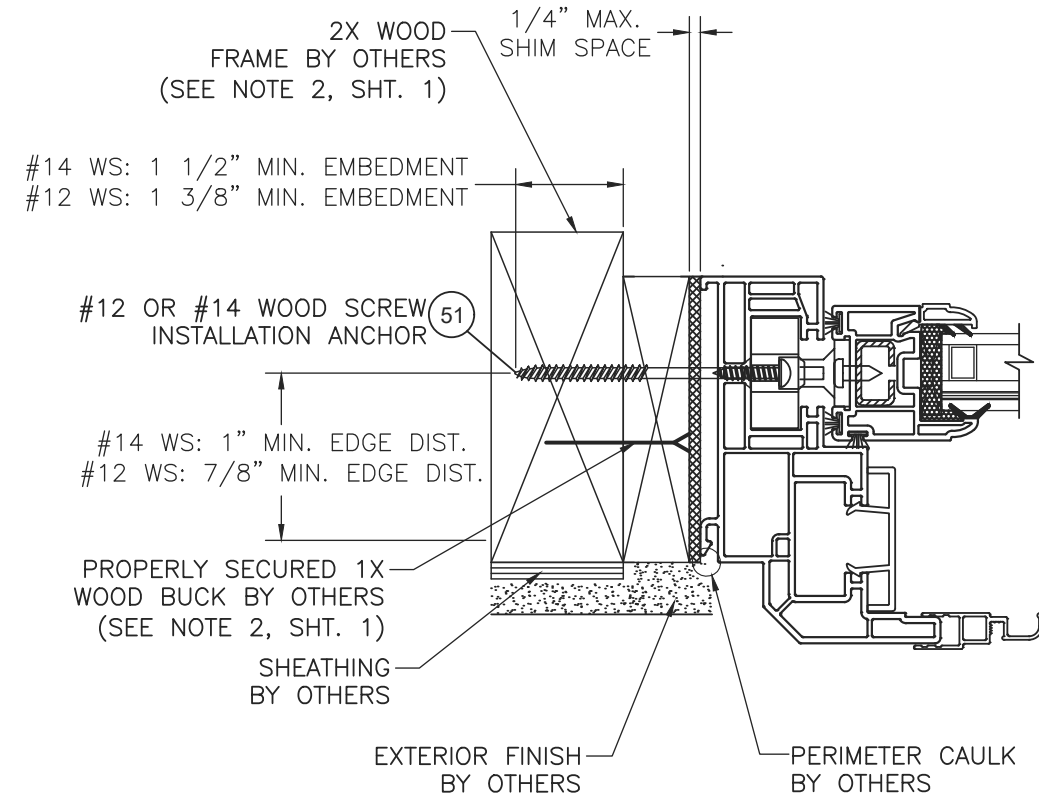
Robert J. Amoroso, P.E.
Florida P.E. No. 49752



PRODUCT REVISED
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NOA-No. 20-1103.10

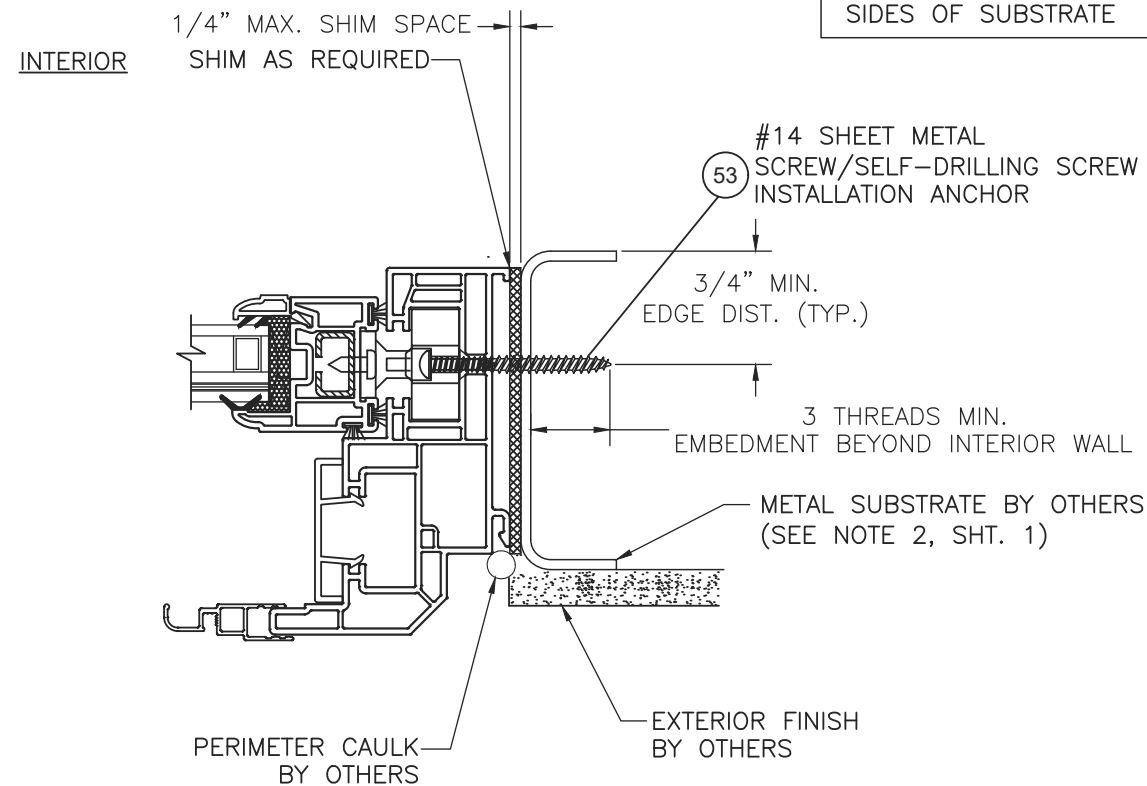
Expiration Date 07/22/2025

By Miami-Dade Product Control



C VERTICAL SECTION
WOOD SUBSTRATE

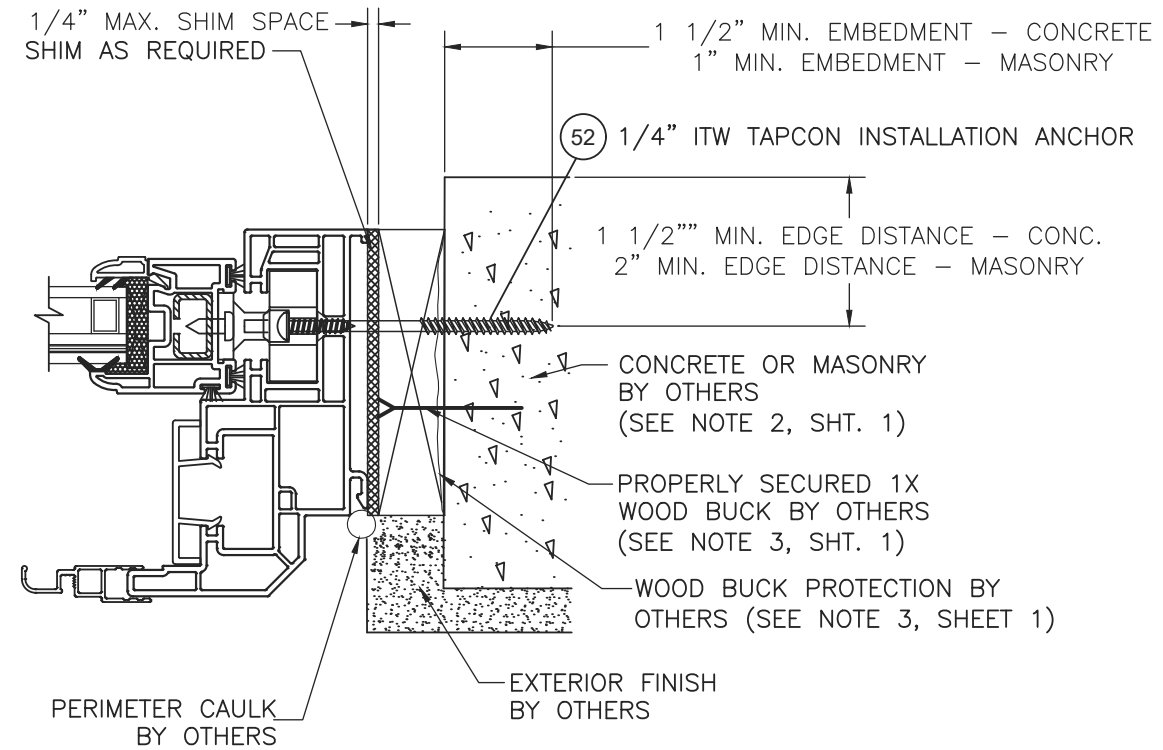
ANCHOR-TO-SUBSTRATE
EDGE DISTANCES ARE
TYPICAL AND
MEASURED TO BOTH
SIDES OF SUBSTRATE



E VERTICAL SECTION
METAL SUBSTRATE

INTERIOR

EXTERIOR



D VERTICAL SECTION
CONCRETE/MASONRY
SUBSTRATE

LOWER SASH JAMBS
SHOWN. SIMILAR
INSTALLATION FOR
UPPER FIXED LITE JAMBS.

PROJECT #420-0810

REV	DESCRIPTION	DATE	BY
L	UPDATE TO 7TH EDITION (2020) FBC	10/20/20	RJA
K	REVISED, NEW ANCHORAGE AND FRAME PROFILE	5/13/20	RJA
J	UPDATE TO 6TH ED. (2017) FBC	1/8/18	RJA

REGENCY PLUS, INC.
2000 LOCUST GAP HIGHWAY
MT. CARMEL, PA 17851

TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI
WOOD, CONCRETE/MASONRY & METAL SUBSTRATE ANCHORAGE

DRAWN BY: BB	DATE: 1/12/09
SCALE: N.T.S.	DRAWING NO: RPLS0062
REV: L	SHEET: 8 OF 10

PFC
PTC Product Design Group, LLC
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321-690-1788 info@ptc-corp.com
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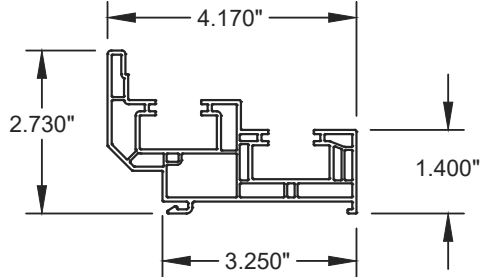
Robert J. Amoroso, P.E.
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NOA-No. 20-1103.10
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Miami-Dade Product Control

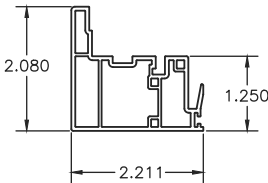
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MAIN FRAME
WHITE RIGID PVC
TYP. WALL THICKNESS 0.070"



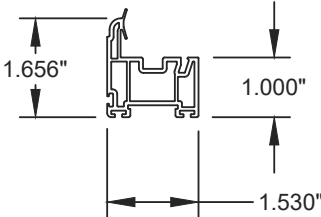
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IMPOST MULLION/FIXED MEETING RAIL
WHITE RIGID PVC
TYP. WALL THICKNESS 0.066"



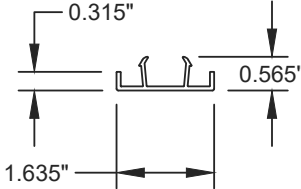
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SASH FRAME
WHITE RIGID PVC
TYP. WALL THICKNESS 0.070"



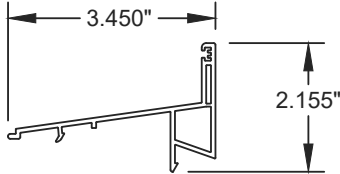
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SASH STOP FRAME COVER
WHITE RIGID PVC
TYP. WALL THICKNESS 0.070"



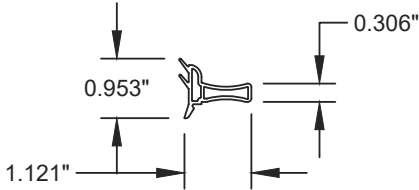
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SLOPED SILL COVER
WHITE RIGID PVC
TYP. WALL THICKNESS 0.075"



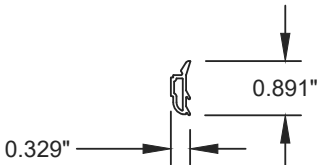
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GLAZING LIFTRAIL HANDLE
WHITE RIGID PVC
TYP. WALL THICKNESS 0.055"



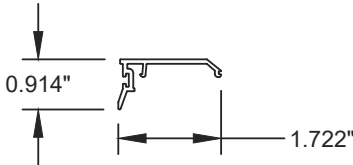
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GLAZING BEAD STOP/SASH
WHITE RIGID PVC
TYP. WALL THICKNESS 0.055"



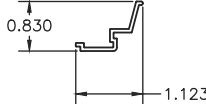
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INTERLOCK COVER
WHITE RIGID PVC
TYP. WALL THICKNESS 0.075"



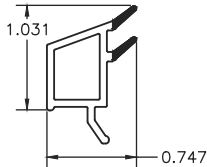
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POCKET INSERT
WHITE RIGID PVC
TYP. WALL THICKNESS 0.070"



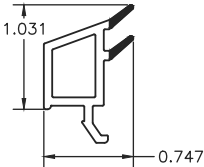
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GLAZING BEAD STOP
FIXED LITE MEETING RAIL
WHITE RIGID PVC
TYP. WALL THICKNESS 0.060"



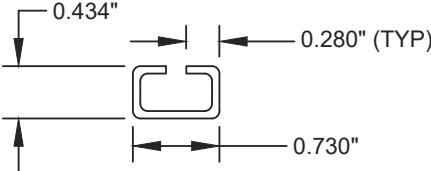
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GLAZING BEAD STOP
FIXED LITE HEAD AND JAMBS
WHITE RIGID PVC
TYP. WALL THICKNESS 0.070"



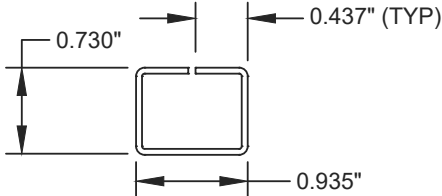
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REINFORCEMENT STEEL
TYP. WALL THICKNESS 0.06"



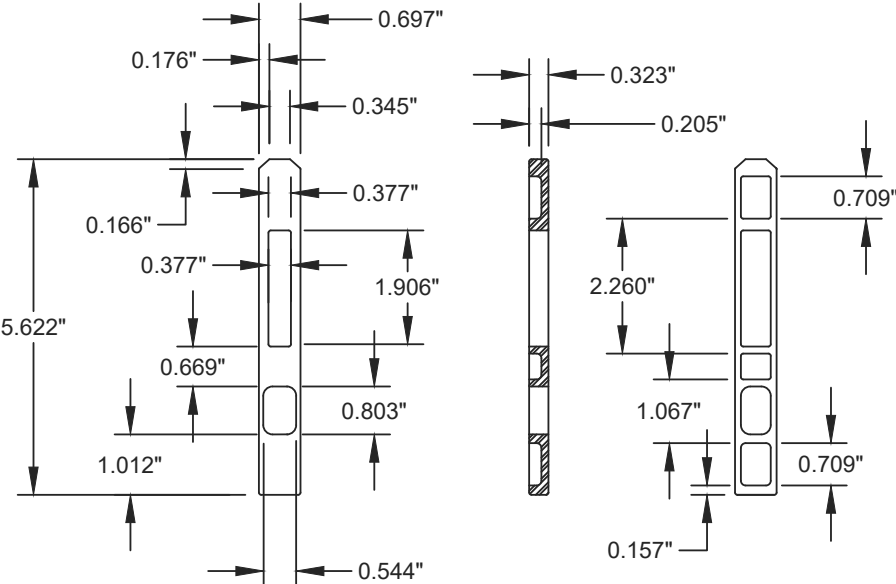
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REINFORCEMENT STEEL
TYP. WALL THICKNESS 0.05"



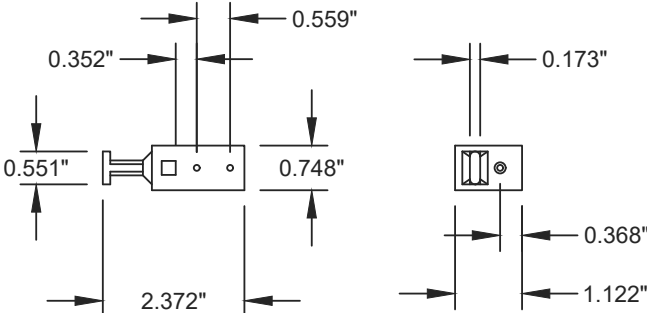
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HURRICANE TILT LATCH
STEEL - ZINC COATED



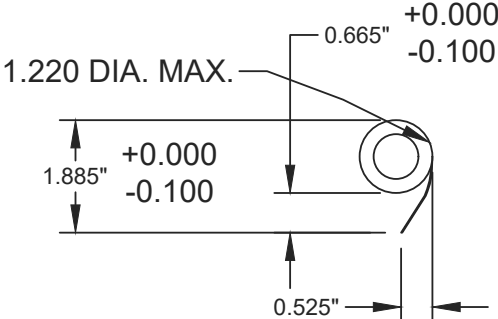
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PIVOT BAR
METAL



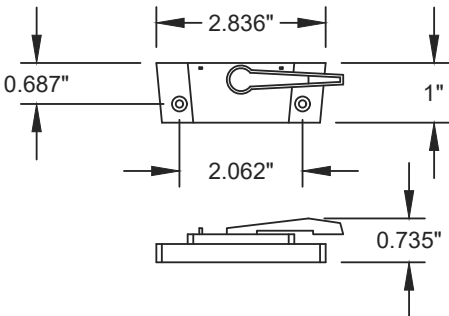
③②

CONSTANT FORCE BALANCE



④③

CAM SWEEP LOCK
STEEL
TYP. WALL THICKNESS NA



PROJECT #420-0810

UPDATE TO 7TH EDITION (2020) FBC

L

RJA

10/20/20

REVISD, NEW ANCHORAGE AND FRAME PROFILE

UPDATE TO 6TH ED. (2017) FBC

K

RJA

5/13/20

DESCRIPTION

J

RJA

1/8/18

DATE

REV

BY

REGENCY PLUS, INC.

2000 LOCUST GAP HIGHWAY

MT. CARMEL, PA 17851

TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI COMPONENTS

DRAWN BY: BB

SCALE: N.T.S.

REV: L

DATE: 1/12/09

DRAWING NO: RPLS0062

SHEET: 9 OF 10

PTC Product Design Group, LLC

PO Box 520775, Longwood, FL 32752-0775

321-690-1788 info@ptc-corp.com

FBPE Cert. of Auth. No. 25935

Robert J. Amoroso, P.E.

Florida P.E. No. 49752

PROFESSIONAL ENGINEER

STATE OF FLORIDA

No 49752

10/20/20

PRODUCT REVISED

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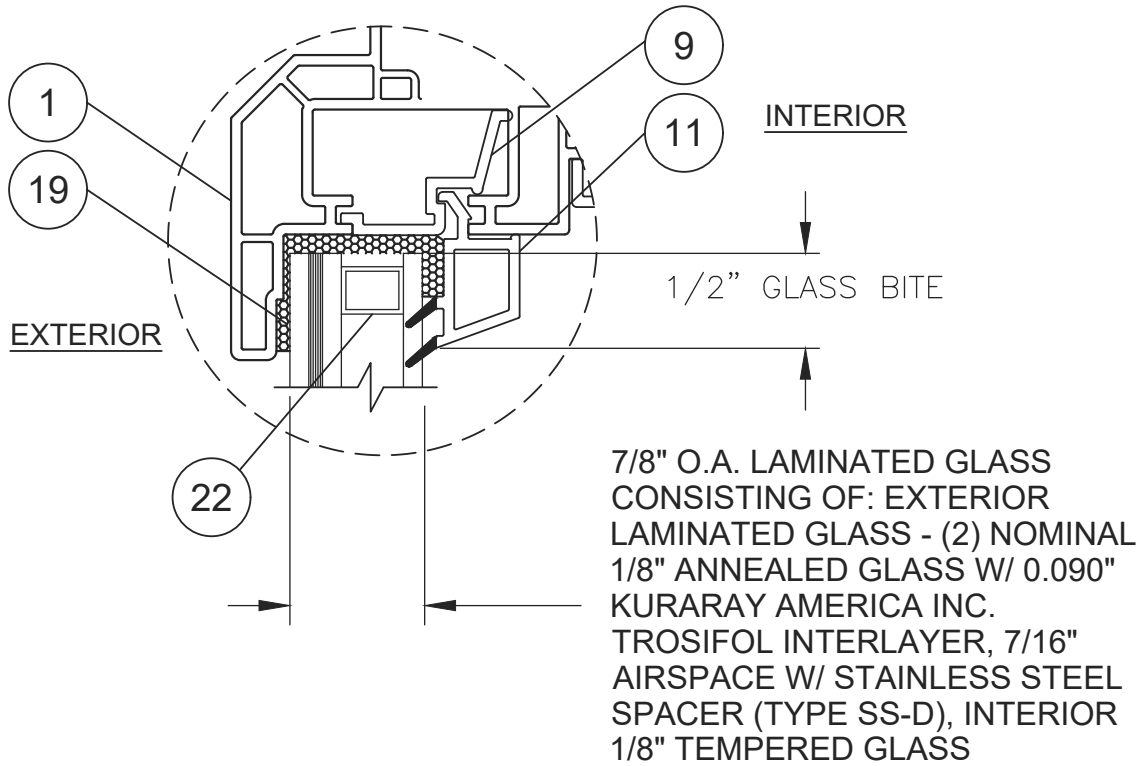
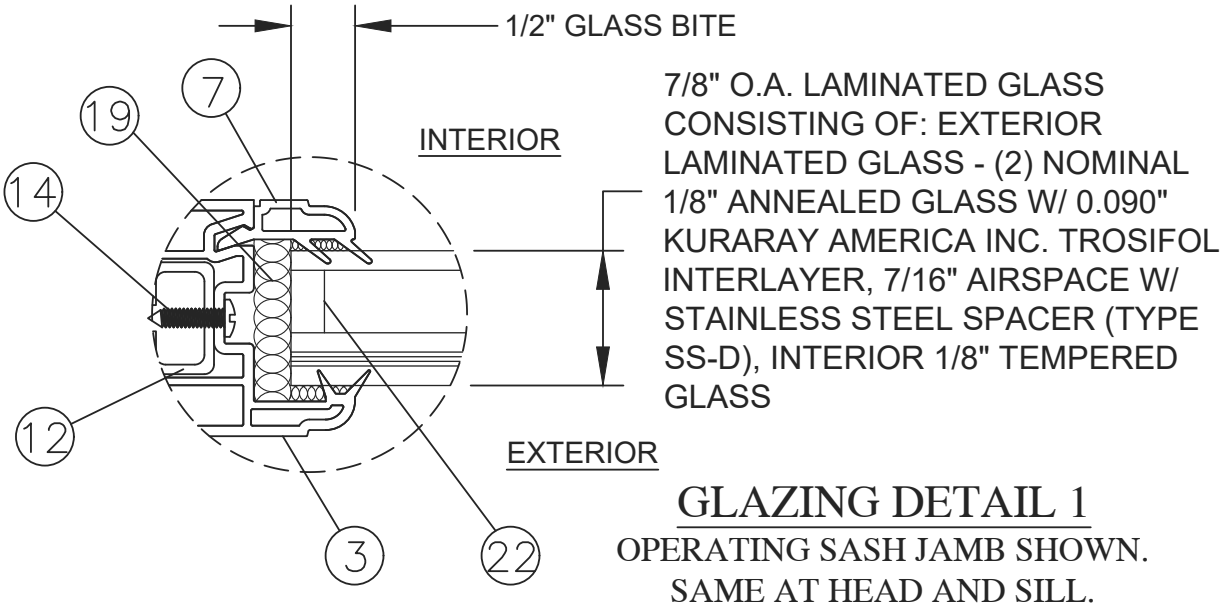
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Expiration Date 07/22/2025

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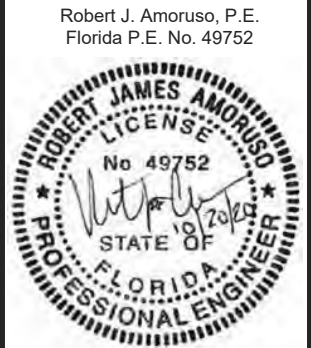
Series 5000 Single Hung / Bill of Material				
Item No.	Description	Part Numbers	Supplier	Material or Note
Frame Components				
1	Master Frame	IV White 7780	Energi / Royal	White PVC (2)
2	Impost Mullion Fixed Center Section (Fixed Meeting Rail)	IV White 1063 / 7735	Energi / Royal	White PVC (2)
3	Sash Frame (Operating Sash)	IV White 1282 / 7750	Energi / Royal	White PVC (2)
4	Sash Stop Frame Cover Head	IV White 1070 / 7736	Energi / Royal	White PVC (2)
5	Sloped Sill	IV White 1181 / 7738	Energi / Royal	White PVC (2)
6	Glazing Liftrail Handle (Operating Sashes)	IV White 1068 / 7747	Energi / Royal	White PVC (2)
7	Glazing Bead Stop (Operating Sashes)	IV White 1067 / 7745	Energi / Royal	White PVC (2)
8	Interlock Cover (Operating Sashes)	IV White 1180 / 7727	Energi / Royal	White PVC (2)
9	Pocket Insert / Fixed Center Section	IV White 1079 / 7737	Energi / Royal	White PVC (2)
10	Glazing Bead (Fixed Center Section) / Fixed Meeting Rail	IV White 1080 / 7753	Energi / Royal	White PVC (2)
11	Glazing Bead (Fixed Center Section)	IV White 1103 / 7726	Energi / Royal	White PVC (2)
Reinforcement				
12	Operating Sash / Lock Sash / Impact Lock Top & Bottom / Heavy Rebar	ST-226-144-0.052	Hygrade Metals	.06" Galv. (1)
13	Impost Mullion (Fixed Meeting Rail)	ST-888-168-0.062	Hygrade Metals	.05" Galv. (1)
14	# 6 x 5/8" Tek / Sash Reinforcement Fastener	117595	GLF Corporation	
Weatherstripping				
15	.210 x .300 Fin Seal Pocket Cover	W23303NW0000	Ultra-Fab	
16	.200 x .340 H-Bulb Seal Sash Frame	E20718WN2020	Ultra-Fab	
17	.187 x .300 Fin Seal Interlock Cover	W23301NW0000	Ultra-Fab	
18	.270 x .220 Fin Seal Sash Frame / Single Leg Screen Frame	W112257W0000	Ultra-Fab	
Glazing				
19	Wet Glaze (Operating Sash)	552 Sikaflex Black	Sika US	
20	Operating Lock Sash E366 2.7mm / 0.9.0 PVB Interlayer IG	Hurricane Laminare Impact	Cardinal	
20	Fixed Keeper Sash E366 2.7mm / 0.9.0 PVB Interlayer IG	Hurricane Laminare Impact	Cardinal	
21	Glass Setting Blocks Sash	2NB-8K-0.125-032-064	Frank Lowe	
22	ENDUR IG with XL Edge SS Spacer (SS-D TYPE)	---	Cardinal	Stainless Steel
Screen Components (not all components ID'ed in section views)				
23	Single Leg Frame New White	06516NEW192	Shapes Unlimited	
24	Double Leg Frame New White	06515NEW192	Shapes Unlimited	
25	Tension Springs	2584	Adept	
26	Fiberglass Screen Cloth Charcoal / 60" x 96"	3002606	Phifer	
27	Screen Spline (H / W)	EX-FLX-Q165-BK	Imperial Plastic USA	
28	Aluminum Corner Keys	CK252X260	Hygrade Metals	
Misc. Components, Hardware and Hardware Fasteners (not all components ID'ed in section views)				
29	Weep Hole Cover White	H-808WHZ	Product Design	
30	Push Guides White / Screen Frame	H-H707WHZ	Product Design	
31	Interlock Cover (Operating Sash) / Lock Sash	HH-66 Vinyl Cement	RH Products	
32	29 lb. 3 Coil / 984 Series / Constant Force Balance	803829	Amesbury / Truth	
33	Liftrail End Caps White	00156-C001	S.I.L. Plastic	
34	Stainless Steel Staples 3/8 x 1/2 Sash	BEA 80/10	Smith Staple	
35	30PP12-18P50-9/16 X1 3/8 X 3 Foam Block	W0511022	Lindenmeyr	
36	.75 White Balance Plug	21300-00077	Lamatek	
37	Hurricane Grade Spring	CS025	James Spring Wire	
38	Accessory Parts Installation Translucent	02-MX0150010C2	Novagard Silicones	
39	Hurricane Tilt Latch	1057A-003-EW	Vision Industries	Used to secure operating sash to master frame.
40	Safe Seal Lock	3220SS-003-EW	Vision Industries	
41	Safe Seal Keeper	8292A-003-EW	Vision Industries	
42	Pivot Bars / T-Shaped Head	6987	Vision Industries	
43	CAM Type Sweep Lock	3220SS -003-EW	Truth Hardware	
44	# 5/32" Tri-Rivet .040 /275 Grip / Sash Pivot Bars	112003	GLF Corporation	
45	# 8-18 x 0.850 Flat Wafer Shoulder / Sash / Hurricane Latch	137341	GLF Corporation	
46	# 8 x 1 1/4" Tek White / Locks	120376	GLF Corporation	
47	# 6 x 1" Tek White / Keepers	116821	GLF Corporation	
48	# 8 x 3/4" Tek / Pan Head (Balance Shoes)	120766	GLF Corporation	
49	# 12 x 3" Flat / Installation Screws	401168	GLF Corporation	
50	Face Mounted Keeper	Steel	Truth Hardware	
Installation Fasteners				
51	#12 OR #14 WOOD SCREW	n/a	n/a	Steel
52	1/4" ADVANCED THREADFORM TAPCON	n/a	ITW	Steel
53	#14 SHEET METAL OR SELF-DRILLING SCREW	n/a	n/a	Steel

(1) Hygrade Metals Specification: AISI 1005 to 1010, C5 Type A and B, 30 ksi to 50 ksi Yield Strength, G40 Galvanized
(2) ENERGI FENESTRATION SOLUTIONS USA, INC., PER CURRENT MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).



PROJECT #420-0810	RJA	RJA	RJA	BY
	10/20/20	5/13/20	1/8/18	DATE
	UPDATE TO 7TH EDITION (2020) FBC	REVISED, NEW ANCHORAGE AND FRAME PROFILE	UPDATE TO 6TH ED. (2017) FBC	DESCRIPTION
	L	K	J	REV

REGENCY PLUS, INC. 2000 LOCUST GAP HIGHWAY MT. CARMEL, PA 17851 TITLE: SERIES 5000 VINYL SINGLE HUNG WINDOW - LMI BILL OF MATERIALS & GLAZING DETAILS	DRAWN BY: BB	DATE: 1/12/09	DRAWING NO: RPLS0062	SHEET: 10 OF 10
	SCALE: N.T.S.	REV: L		
	PTC Product Design Group, LLC PO Box 520775, Longwood, FL 32752-0775 321-690-1788 info@ptc-corp.com FBPE Cert. of Auth. No. 25935			



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