



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

**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

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 "CA2740" Outswing PVC Casement Window – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. 08-00886 titled "CA2740 OS White PVC Casement Window Impact", sheets 1 through 5 of 5, dated 10/27/09, with revision D dated 05/20/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E., bearing the Miami-Dade County Product Control Section 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" and American Architectural Manufacturers Association Permanent Label Requirements, unless otherwise noted herein.

**REVISION** 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 and renews NOA No. 11-1114.22 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.



*MP*  
7/6/15/15

NOA No. 13-1021.11  
Expiration Date: August 11, 2020

Approval Date: June 11, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **08-00886** titled "CA2740 OS White PVC Casement Window Impact", sheets 1 through 5 of 5, dated 10/27/09 with the latest revision **D** dated 05/20/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

**B. TESTS**

1. Test reports on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94along with marked-up drawings and installation diagram of a PVC casement window, prepared by Fenestration Testing Laboratory, Test Report No. **F'TL-7485**, dated 08/22/13, signed and sealed by Jorge A. Naya, 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) 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, TAS 202-94along with marked-up drawings and installation diagram of a PVC casement window, prepared by National Certified Testing Laboratories, Inc., Test Reports No. **NCTL-210-3634-1** and **NCTL-210-3634-2**, dated 12/28/07 and 05/30/08, both signed and sealed by Gerard J. Ferrara, P.E.  
*(Submitted under NOA No. 09-1103.08)*

**C. CALCULATIONS**

1. Verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 10/15/13 and revised on 05/22/15, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. **Glazing complies with ASTM E1300-09**

**D. QUALITY ASSURANCE**

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

  
Manuel Perez, P.E.  
Product Control Examiner

NOA No. 13-1021.11

Expiration Date: August 11, 2020

Approval Date: June 11, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. **13-0129.27** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 04/11/13, expiring on 12/11/16.
2. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
3. Notice of Acceptance No. **12-0420.01** issued to L.B. Plastics, Inc. for their "**Florida Bronze Color Laminated White Rigid PVC Exterior Extrusions**" dated 12/06/12, expiring on 12/30/15.
4. Notice of Acceptance No. **10-1208.02** issued to L.B. Plastics, Inc. for their "**White Rigid PVC Exterior Extrusions**" dated 12/30/10, expiring on 12/30/15.

**F. STATEMENTS**

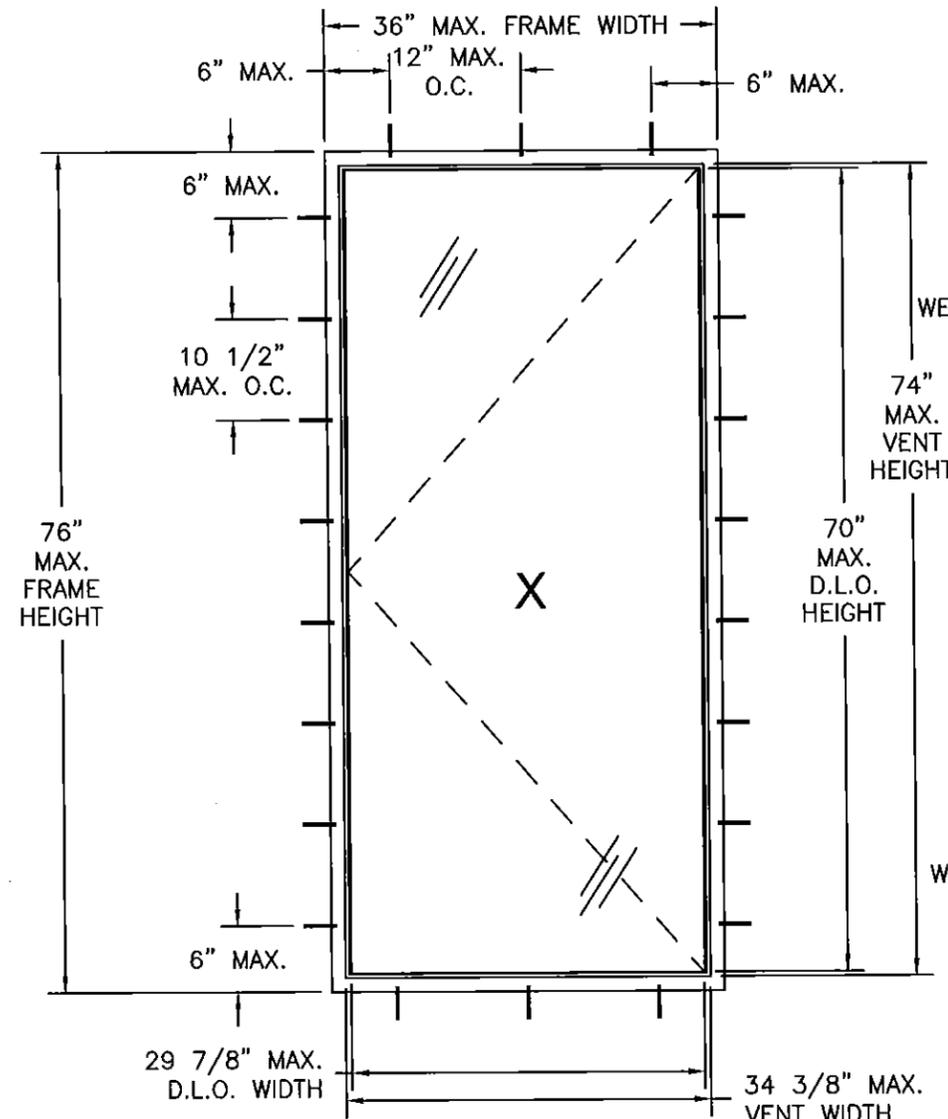
1. Statement letter of conformance, complying with **FBC-2010** and with the **FBC 5<sup>th</sup> Edition (2014)**, dated 05/22/15, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
2. Statement letter of no financial interest and independence, dated 10/15/13, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-7485**, issued by Fenestration Testing Laboratory, Inc., dated 08/22/13, signed and sealed by Jorge A. Naya, P.E.
4. Proposal issued by Product Control, dated 04/30/13, signed by Jaime D. Gascon, P.E.
5. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27.001 of the F.B.P.E., dated 10/07/11 signed and sealed by Anthony Lynn Miller, P.E.  
*(Submitted under previous NOA No. 11-1114.22)*
6. Laboratory compliance letter for Test Reports No. **NCTL-210-3634-1** and **NCTL-210-3634-2**, issued by National Certified Testing Laboratories, Inc., dated 12/04/07 and 05/28/08, both signed and sealed by Gerard J. Ferrara, P.E.  
*(Submitted under NOA No. 09-1103.08)*

**G. OTHERS**

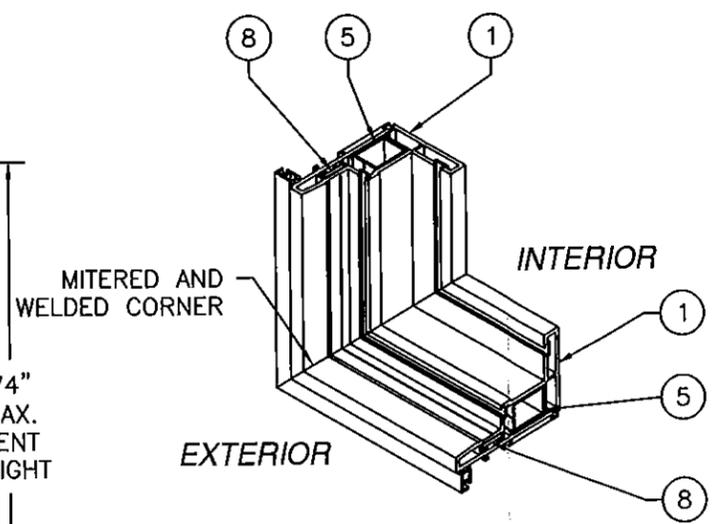
1. Notice of Acceptance No. **11-1114.22**, issued to PGT Industries, Inc. for their Series "**CA's-2740/ 2840 Vinyl**" White PVC Casement Window – L.M.I.", approved on 02/16/12 and expiring on 08/11/15.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 13-1021.11  
Expiration Date: August 11, 2020  
Approval Date: June 11, 2015

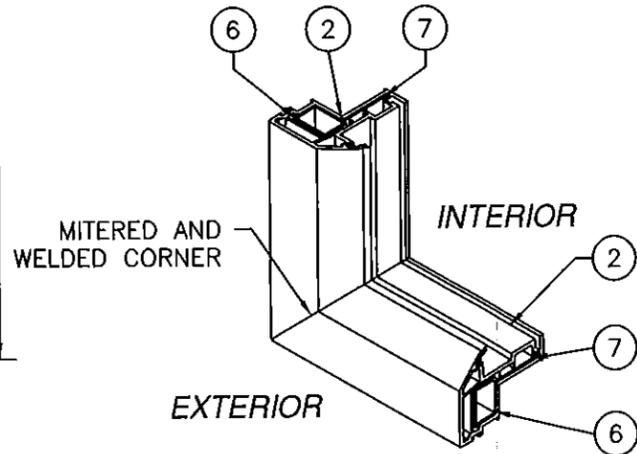
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	ADDED GLASS TYPE F, UPDATED TO FBC 5TH ED.	05/20/15	JR



**CA2740 OS CASEMENT WINDOW**  
EXTERIOR VIEW



**FRAME CORNER CONSTRUCTION DETAIL**



**SASH CORNER CONSTRUCTION DETAIL**

**NOTES:**

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) UNITS MUST BE GLAZED PER ASTM E1300 SEE SHEET 5 FOR APPROVED GLASS TYPES.
- 4) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND-BORNE DEBRIS REGIONS.
- 5) 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".
- 6) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. WOOD BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER, (EOR) OR ARCHITECT OF RECORD, (AOR)
- 7) FOR INSTALLATION INTO WOOD FRAMING OR 2X BUCKS, USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1-3/8" MIN. EMBEDMENT INTO SUBSTRATE WITH 13/16" MIN. EDGE DISTANCE.
- 8) FOR INSTALLATION THROUGH 1X WOOD BUCKS INTO CMU/MASONRY, USE 3/16" ITW TAPCON ANCHOR WITH SUFFICIENT LENGTH TO ACHIEVE A 1-1/4" MIN. EMBEDMENT INTO SUBSTRATE WITH 2-5/8" MIN. EDGE DISTANCE.
- 9) FOR ANCHORING INTO METAL FRAMING USE #10 TEK SELF TAPPING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE FRAME THICKNESS. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) ALL FASTENERS TO BE CORROSION RESISTANT.
- 11) 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:  
 A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42  
 B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.  
 C. CONCRETE MASONRY UNIT, CMU - NORMAL WEIGHT AND COMPRESSIVE STRENGTH, FC OF MINIMUM 1.9 KSI. CONFORMS TO ASTM C90.
- 12) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 13) FRAME AND SASH MATERIAL: EXTRUDED WHITE RIGID PVC .106" THICK.
- 14) UNITS MAY BE RIGHT HAND OR LEFT HAND.  
 THE 2740 SERIES USES EITHER A PVB OR SENTRYGLAS (SG) INTERLAYER. UNITS GLAZED WITH GLASS CONTAINING AN SG INTERLAYER WERE PREVIOUSLY KNOWN AS THE 2840 SERIES.
- 15) REFERENCE L.B. PLASTICS, INC NOA'S FOR FLORIDA-BRONZE LAMINATED & WHITE RIGID PVC

**CA2740 WITH GLAZING TYPE A**

DESIGN PRESSURE RATING	IMPACT RATING
+ 65.0 PSF - 80.0 PSF	LARGE AND SMALL MISSILE IMPACT

**CA2740 WITH GLAZING TYPES C, D & E**

DESIGN PRESSURE RATING	IMPACT RATING
+ 80.0 PSF - 120.0 PSF	LARGE AND SMALL MISSILE IMPACT

**CA2740 WITH GLAZING TYPE B**

DESIGN PRESSURE RATING	IMPACT RATING
+ 65.0 PSF - 70.0 PSF	LARGE AND SMALL MISSILE IMPACT

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, ANCHORING AND NOTES
2	BILL OF MATERIALS AND CROSS SECTIONS
3 - 4	INSTALLATION DETAILS
5	GLAZING DETAILS AND COMPONENTS

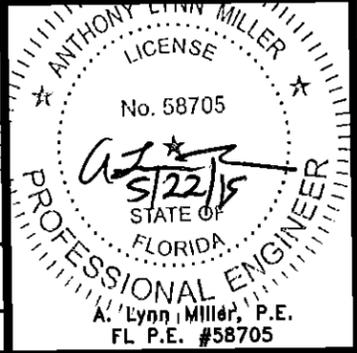
PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 13-1021.11  
 Expiration Date 08/11/2020  
 By *Manuel Perez*  
 Miami Dade Product Control

**PGT INDUSTRIES**  
 1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275

CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT  
 ELEVATION, ANCHORING AND NOTES

DRAWN: TJH      DWG NO. 08-00886      REV D

SCALE NTS      DATE 10/27/09      SHEET 1 OF 5



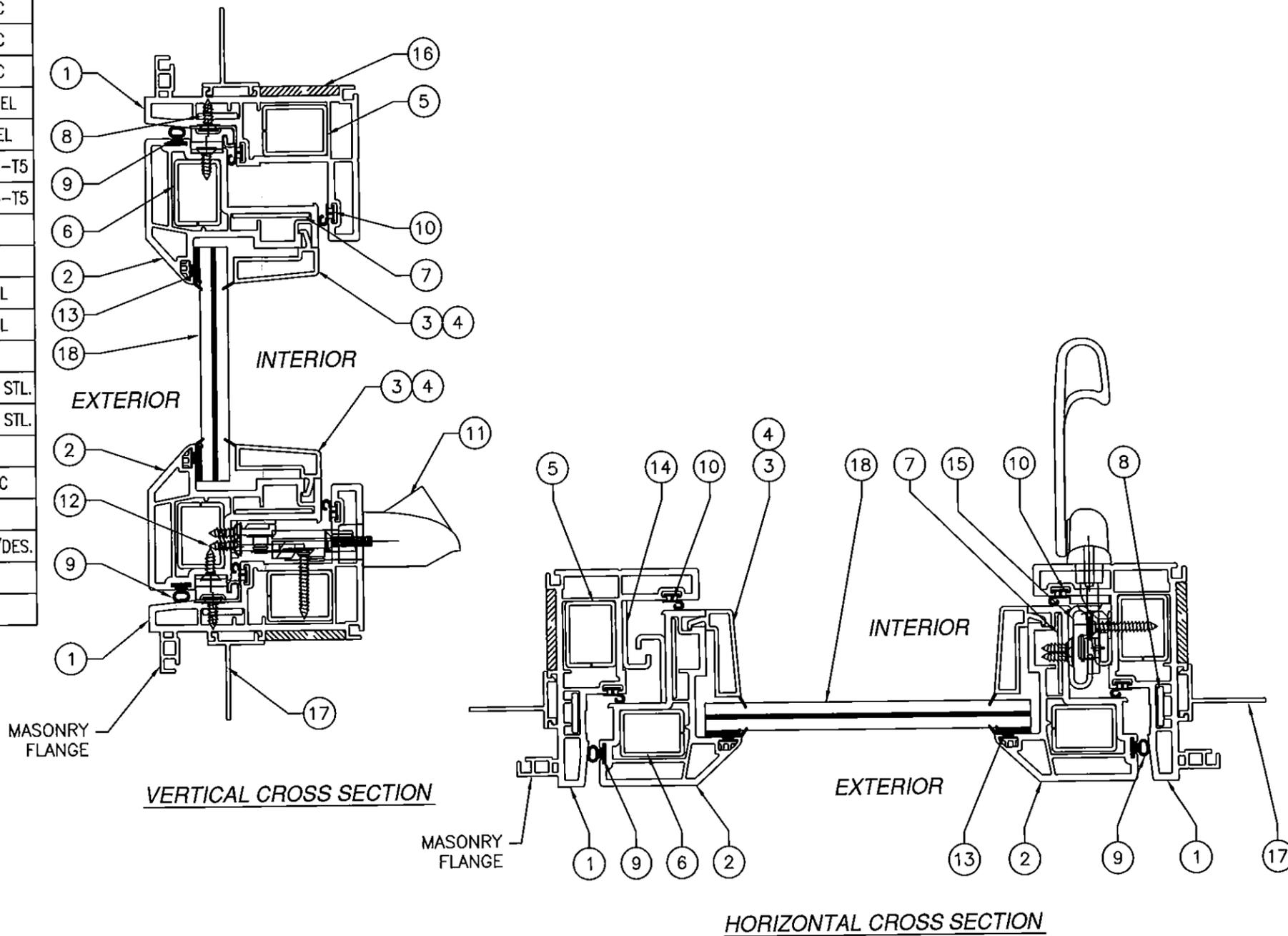
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	8290	FRAME HEAD, JAMB & SILL	LB PLASTICS INC.	WHITE RIGID PVC
2	8292-1	SASH TOP, BOTTOM & VERTICAL	LB PLASTICS INC.	WHITE RIGID PVC
3	8294	7/16" GLAZING BEAD	LB PLASTICS INC.	WHITE RIGID PVC
4	8213	I.G. GLAZING BEAD	LB PLASTICS INC.	WHITE RIGID PVC
5	ST1007B	FRAME REINFORCEMENT HOT DIPPED	HYGRADE	A653 GALV. STEEL
6	ST1007B	SASH REINFORCEMENT HOT DIPPED	HYGRADE	A653 GALV STEEL
7	OC-4952	SASH STIFFENER	EASTERN METALS	ALUMINUM 6063-T5
8	OC-4932	FRAME STIFFENER	EASTERN METALS	ALUMINUM 6063-T5
9	LBP-1375	BULB SEAL, SASH	REED RUBBER	65A TPV
10	LBP-1376	FRAME GASKET	REED RUBBER	65A TPV
11	OP06750200	X DRIVE DUAL ARM OPERATOR ASSY	ROTO HARDWARE	STAINLESS STEEL
12	DIHW8X3/4-410	#8 FH TEK SCREW	GLF TECHNICAL	STAINLESS STEEL
13	SIKAFLEX 552	GLAZING COMPOUND	SIKA	POLYURETHANE
14	NHC50038SS	SNUBBER	IPS	318 STAINLESS STL.
15	NHC50037SS	KEEPER	IPS	318 STAINLESS STL.
16	2NB-8K-038	RIGID FILLER DUROMETER 85	FRANK LOWE	NEOPRENE
17	8343	FIN ADAPTER	LB PLASTICS INC.	WHITE RIGID PVC
18		IMPACT GLAZING SEE SHEET 5		
50	62869/70	SUPERSPACER (5/16" & 7/16")	QUANEX	FOAM EPDM W/DES.
51	71752K	SET. BLOCK, 1/8" X 7/16" X 4"	DURO = 85 +/-5	NEOPRENE
52	71751K	SET. BLOCK, 1/8" X 1-1/16" X 4"	DURO = 85 +/-5	NEOPRENE

FLORIDA-BRONZE LAMINATED & WHITE RIGID PVC EXTRUSIONS BY L.B. PLASTICS, INC. ARE TO BE LABELED WITH AAMA EXTRUDER CODE, EXTRUDER NAME, CITY, STATE AND MDCA REQUIREMENTS

CONSTRUCTION NOTES:

- 1) FRAME HEAD, JAMBS AND SILL ARE EXTRUDED RIGID WHITE PVC LINEALS AND UTILIZE A GALVANIZED A653 STEEL TUBE REINFORCING CHANNEL. ALL CORNERS ARE MITERED AND WELDED.
- 2) ACTIVE SASHES VERTICAL AND HORIZONTAL MEMBERS ARE EXTRUDED RIGID WHITE PVC LINEALS AND UTILIZE A GALVANIZED A653 STEEL REINFORCING TUBE. ALL CORNERS ARE MITERED AND WELDED.
- 3) ITEM #17, FIN ADAPTER, IS A NON-STRUCTURAL ADD-ON PART. MASONRY FLANGE IS EXTRUDED INTO FRAME. WHEN UNIT IS NOT INSTALLED INTO A MASONRY APPLICATION FLANGE MAY BE SCORED AND REMOVED BEFORE INSTALLATION. SEE INSTALLATION DETAILS SHEETS 3-4.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	ADDED GLASS TYPE F, UPDATED TO FBC 5TH ED.	05/20/15	JR



PRODUCT REVISED  
 as complying with the Florida  
 Building Code 13-1021.11  
 Acceptance No. 08/11/2020  
 Expiration Date 08/11/2020  
 By *Manuel Lopez*  
 Miami Dade Product Control

**PGT INDUSTRIES**  
 1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275

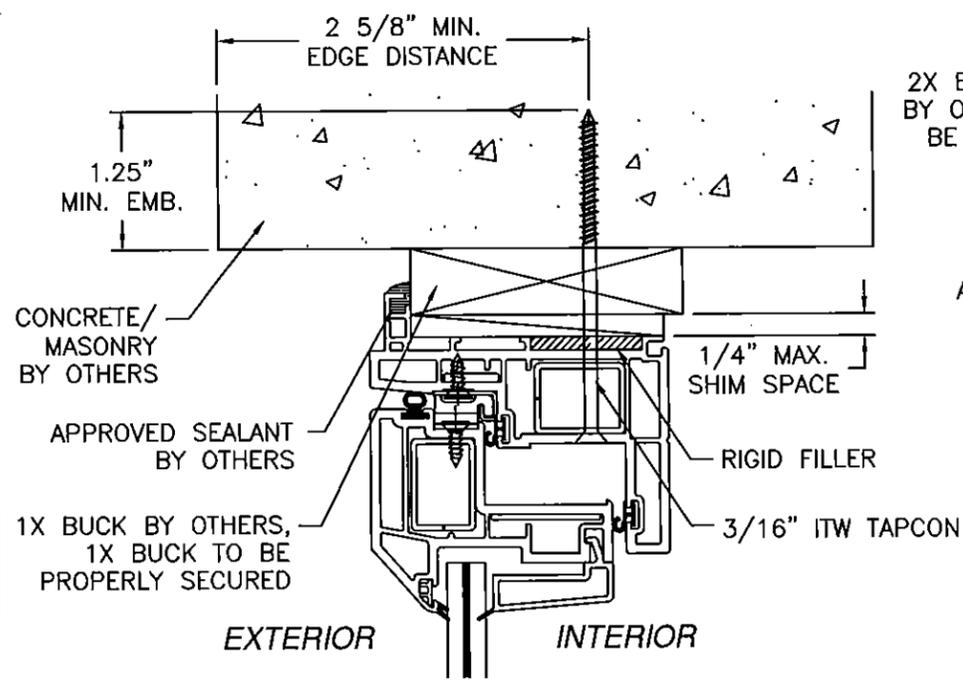
CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT  
 BILL OF MATERIALS AND CROSS SECTIONS

DRAWN: TJH      DWG NO. 08-00886      REV D

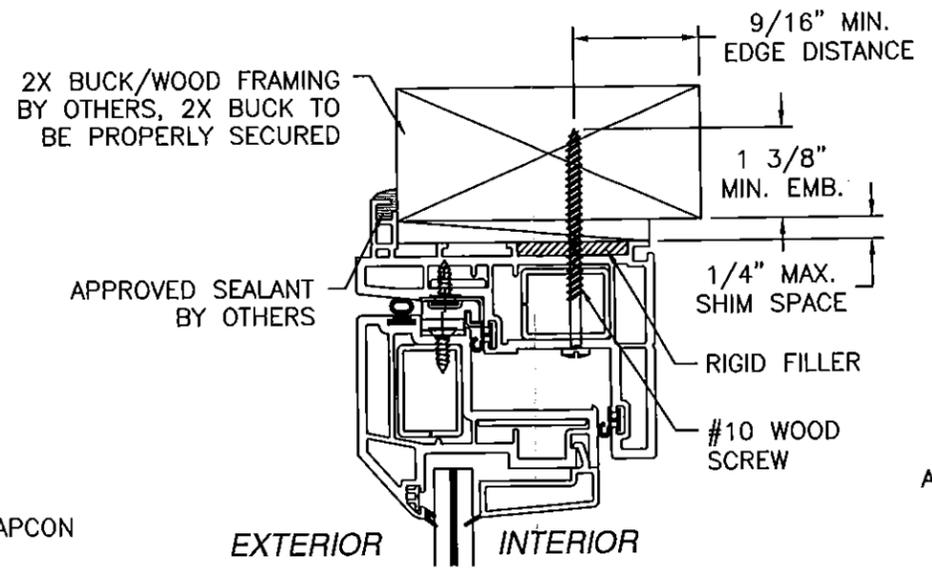
SCALE NTS      DATE 10/27/09      SHEET 2 OF 5

ANTHONY LYNN MILLER  
 LICENSE  
 No. 58705  
 05/22/15  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 A. Lynn Miller, P.E.  
 FL P.E. #58705

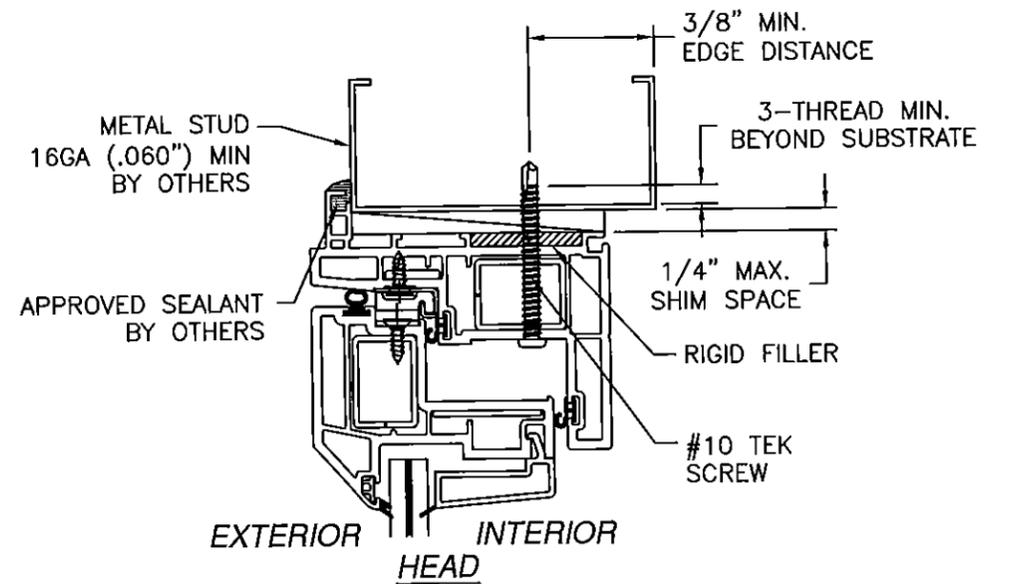
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REV	DESCRIPTION	DATE	APPROVED
D	ADDED GLASS TYPE F, UPDATED TO FBC 5TH ED.	05/20/15	JR



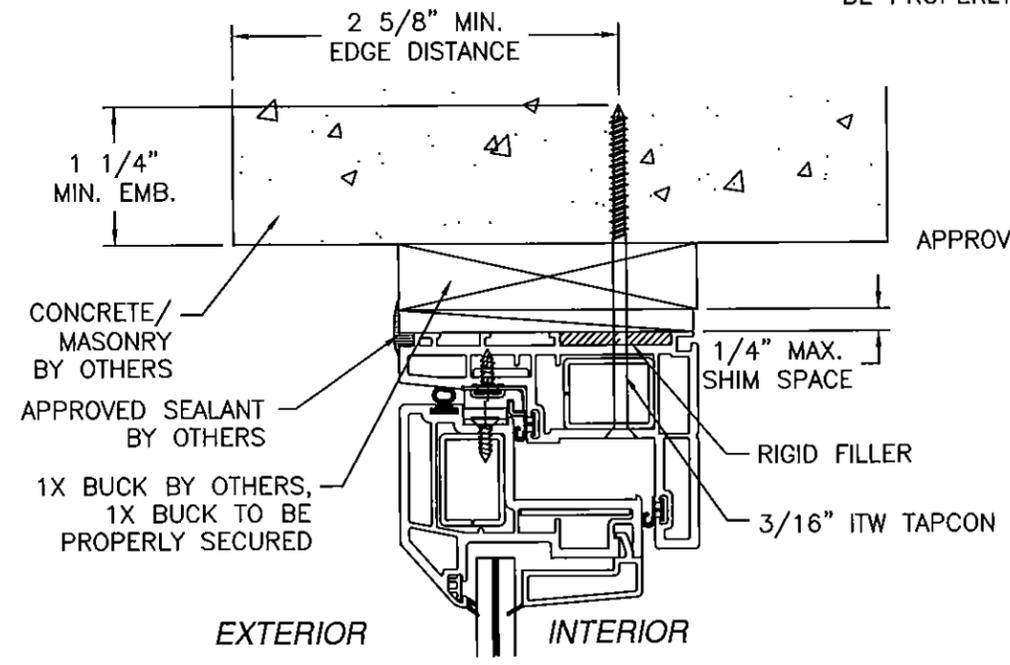
**HEAD**  
CONCRETE/MASONRY FLANGE INSTALLATION  
HEAD SHOWN, JAMBS AND SILL SIMILAR



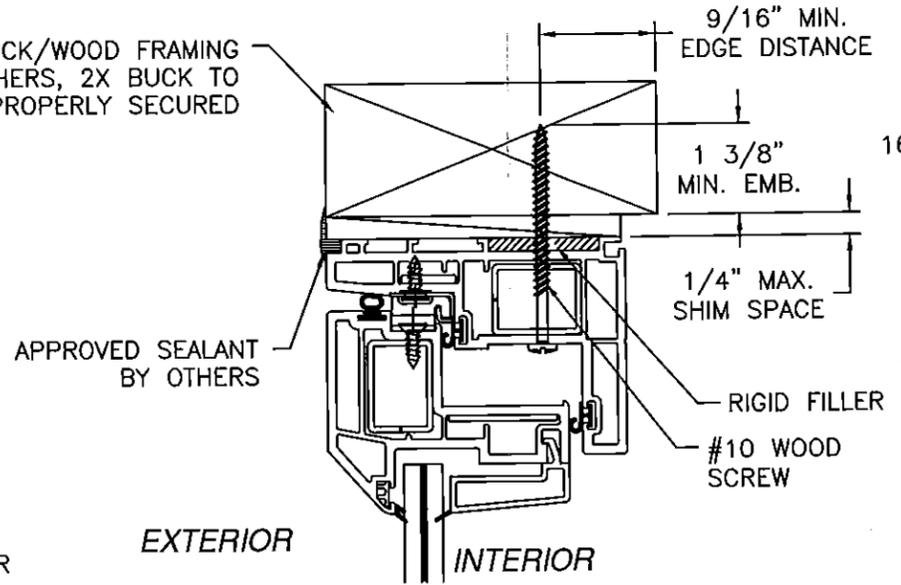
**HEAD**  
WOOD FRAMING OR 2X BUCK FLANGE INSTALLATION  
HEAD SHOWN, JAMBS AND SILL SIMILAR



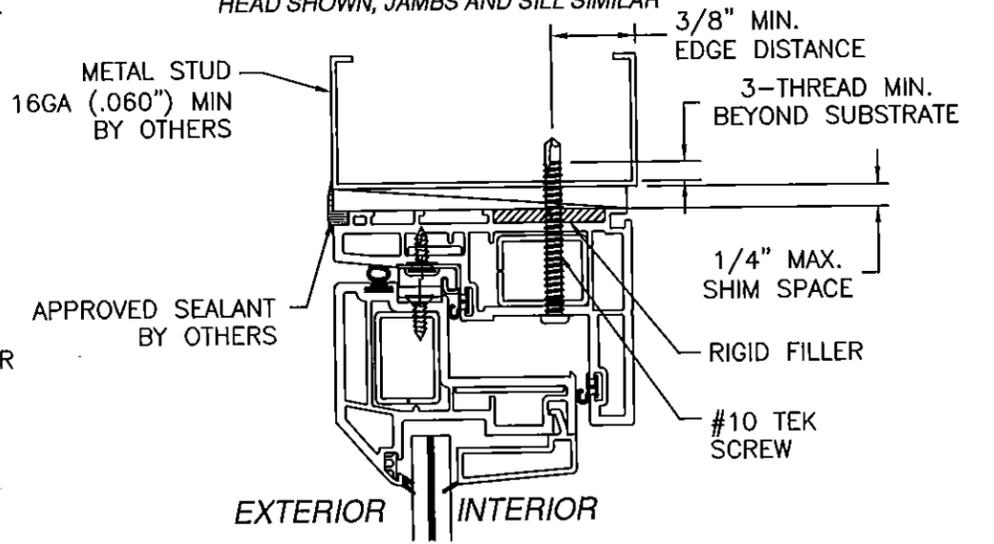
**HEAD**  
METAL FRAMING FLANGE INSTALLATION  
HEAD SHOWN, JAMBS AND SILL SIMILAR



**HEAD**  
CONCRETE/MASONRY BOX FRAME INSTALLATION  
HEAD SHOWN, JAMBS AND SILL SIMILAR



**HEAD**  
WOOD FRAMING OR 2X BUCK BOX FRAME INSTALLATION  
HEAD SHOWN, JAMBS AND SILL SIMILAR



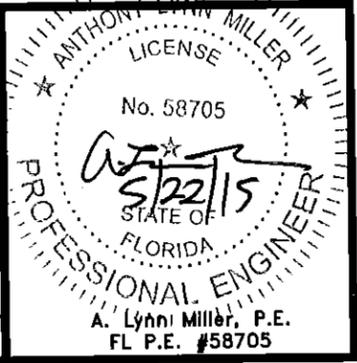
**HEAD**  
METAL FRAMING BOX FRAME INSTALLATION  
HEAD SHOWN, JAMBS AND SILL SIMILAR

PRODUCT REVISED  
as complying with the Florida  
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Expiration Date 08/15/2020  
By *Manuel Perez*  
Miami Dade Product Control

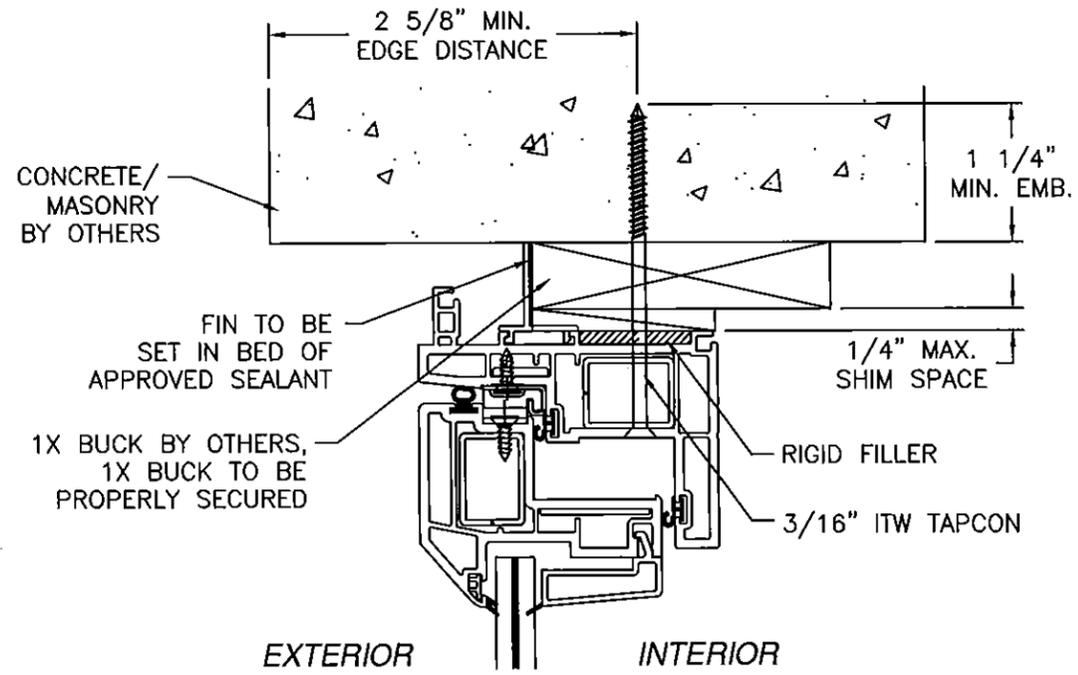
**PGT INDUSTRIES**  
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT  
INSTALLATION DETAILS

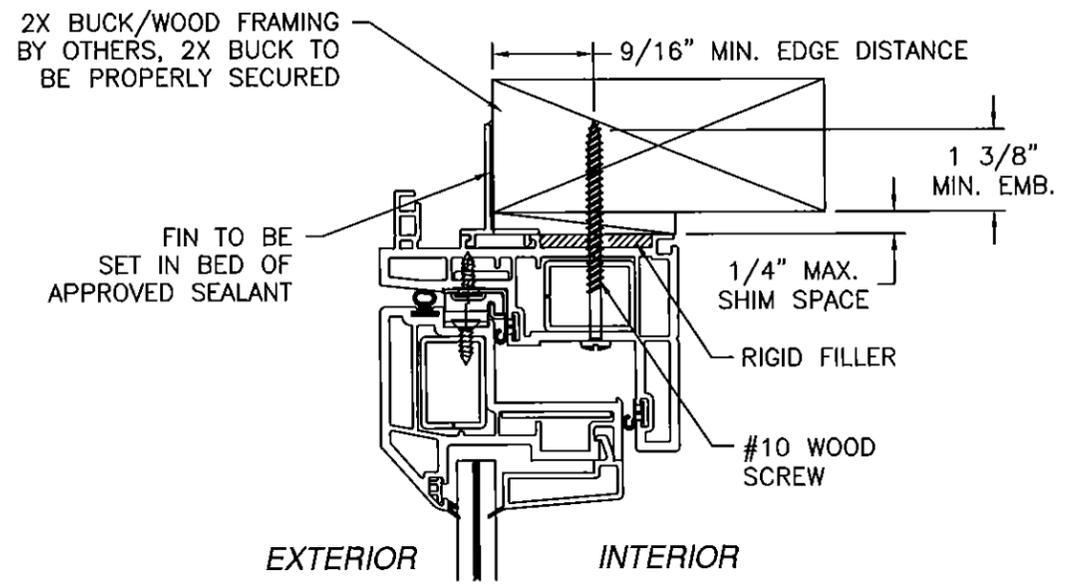
DRAWN: TJH	DWG NO. 08-00886	REV D
SCALE NTS	DATE 10/27/09	SHEET 3 OF 5



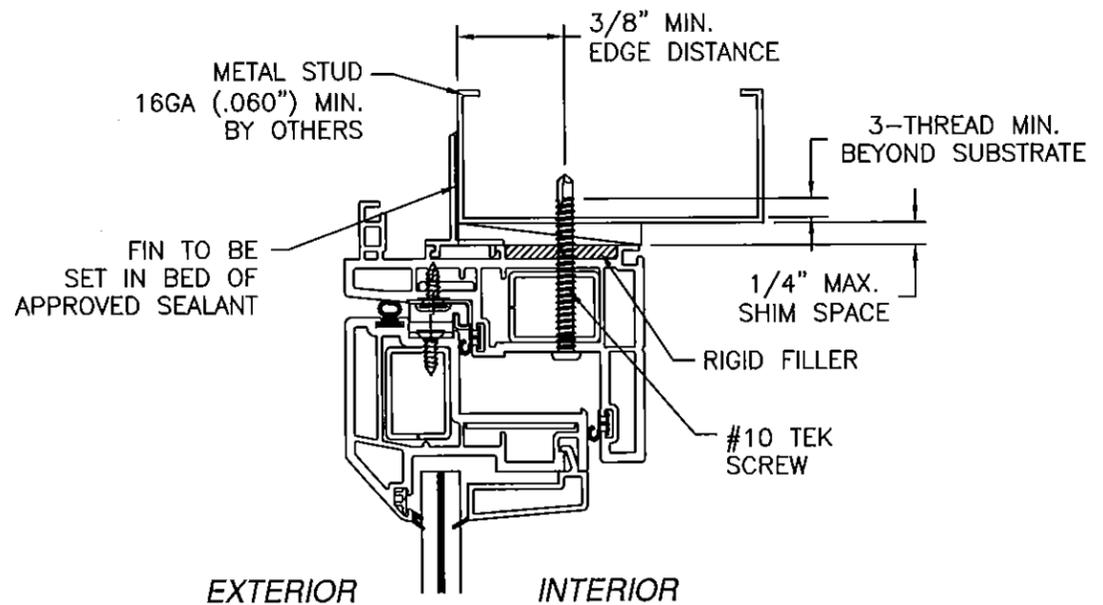
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	ADDED GLASS TYPE F, UPDATED TO FBC 5TH ED.	05/20/15	JR



**HEAD**  
 CONCRETE/MASONRY FIN INSTALLATION  
 HEAD SHOWN, JAMBS AND SILL SIMILAR



**HEAD**  
 WOOD FRAMING OR 2X BUCK FIN INSTALLATION  
 HEAD SHOWN, JAMBS AND SILL SIMILAR



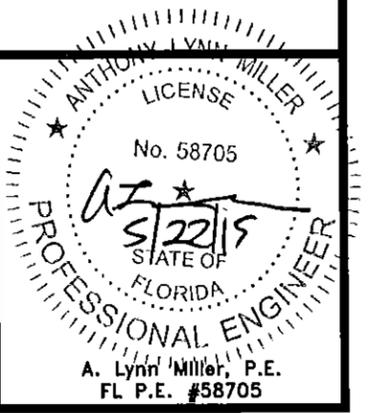
**HEAD**  
 METAL FRAMING FIN INSTALLATION  
 HEAD SHOWN, JAMBS AND SILL SIMILAR

PRODUCT REVISED  
 as complying with the Florida  
 Building Code 13-1071.11  
 Acceptance No. 08/11/2020  
 Expiration Date 08/11/2020  
 By *Manuel*  
 Miami Dade Product Control

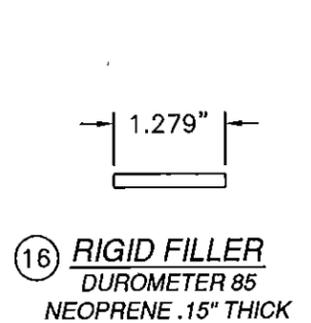
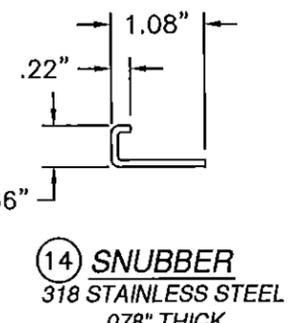
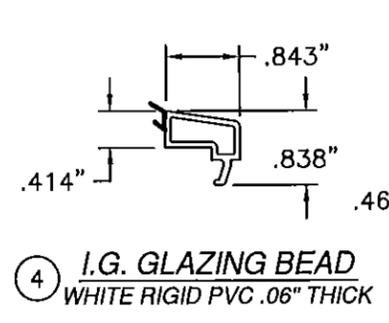
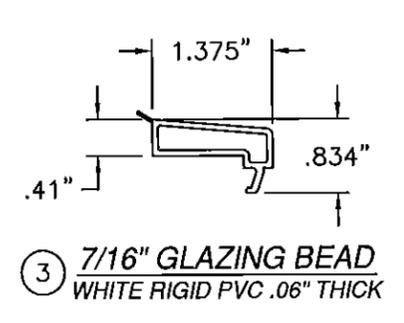
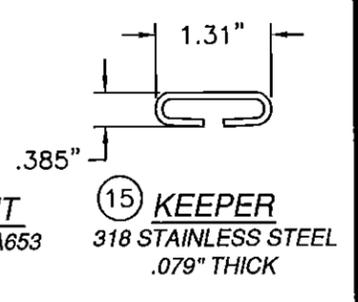
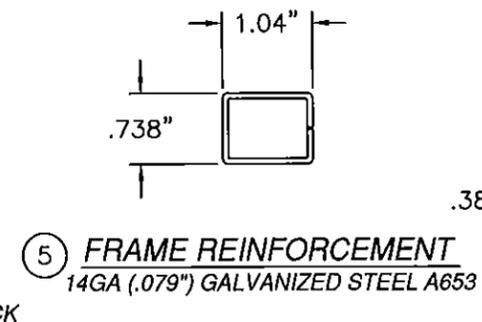
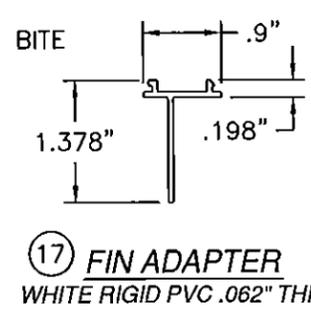
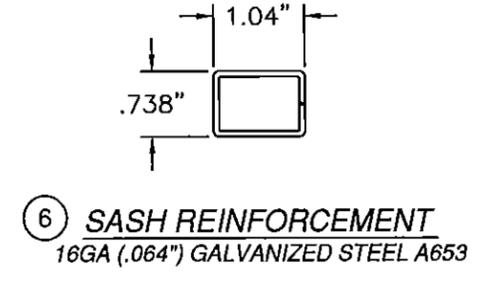
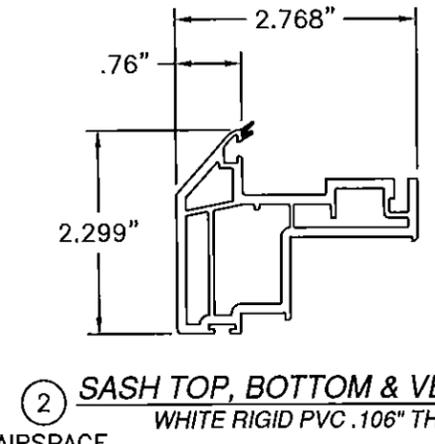
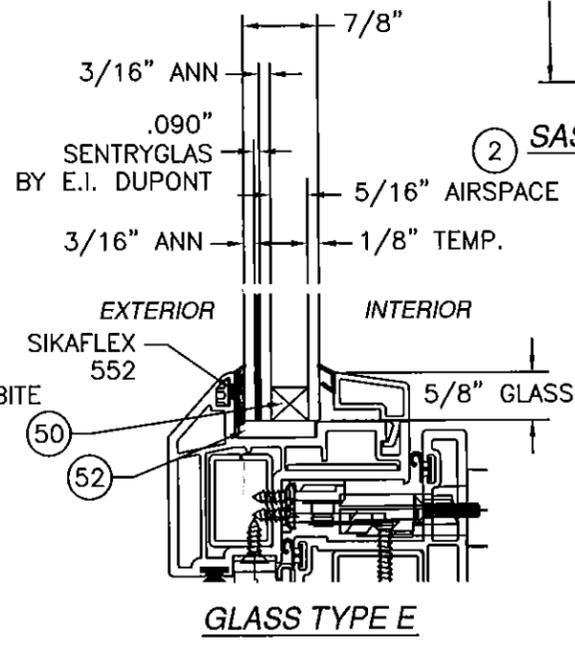
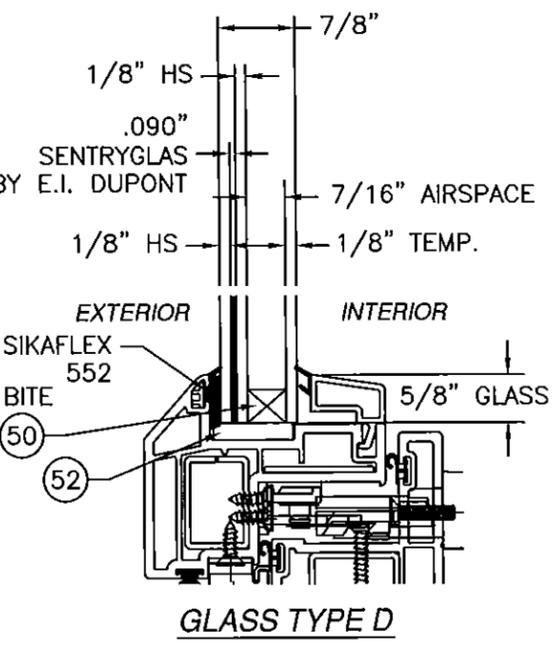
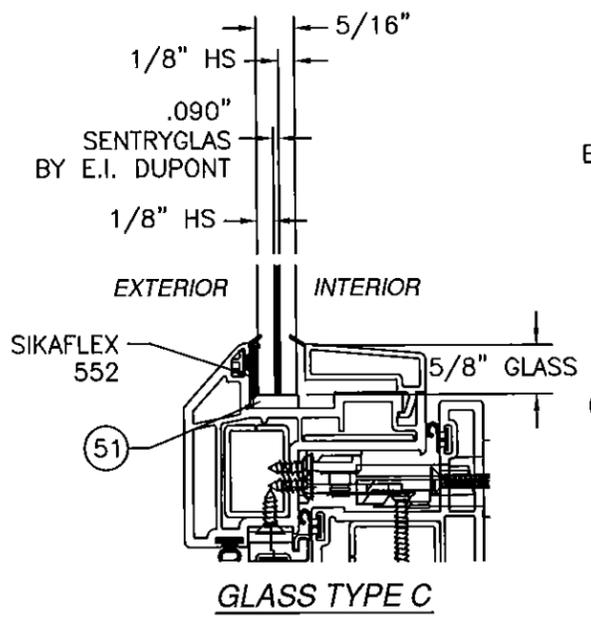
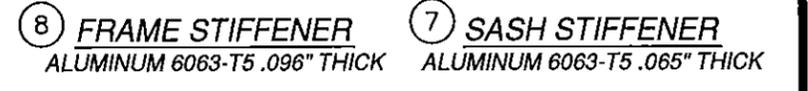
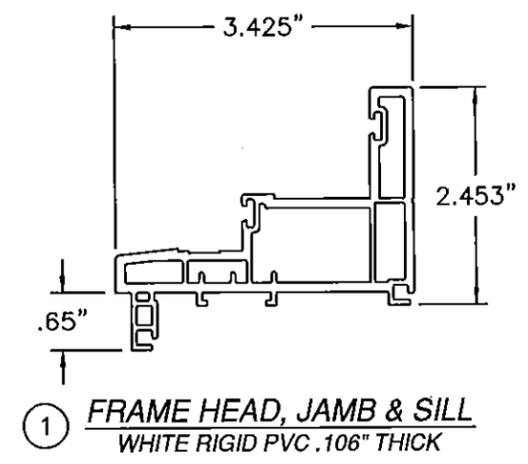
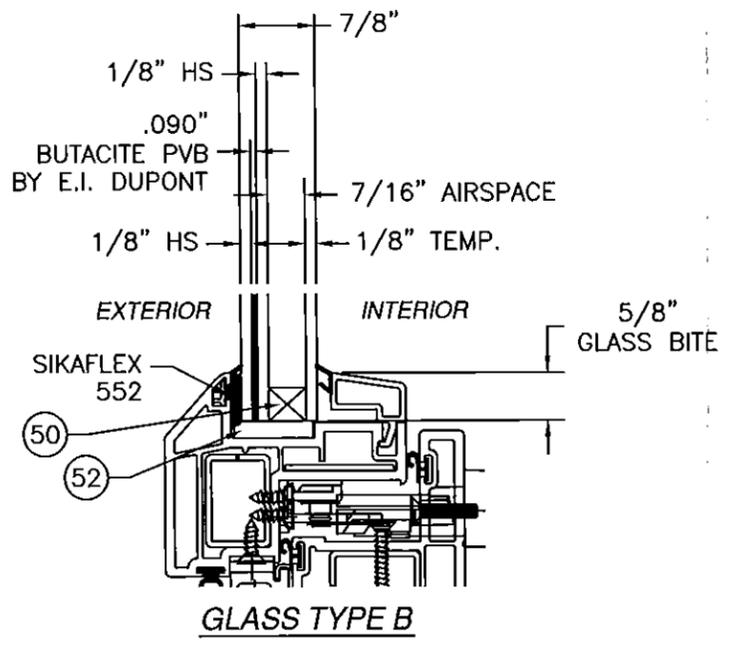
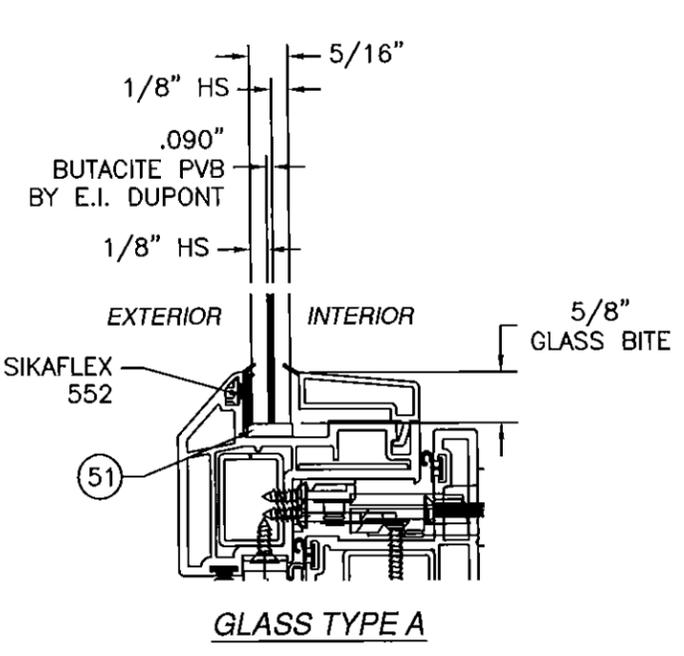
**PGT INDUSTRIES**  
 1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275

CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT  
 INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00886	REV D
SCALE NTS	DATE 10/27/09	SHEET 4 OF 5



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	ADDED GLASS TYPE F, UPDATED TO FBC 5TH ED.	05/20/15	JR



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **13-1021.11**  
Expiration Date **08/31/2020**  
By *Mmanuel Lopez*  
Miami Dade Product Control

**PGT INDUSTRIES**  
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275

CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT  
GLAZING DETAILS AND COMPONENTS

DRAWN: TJH      DWG NO. 08-00886      REV D

SCALE NTS      DATE 10/27/09      SHEET 5 OF 5

