



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2902 FAX (305) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**PGT Industries
1070 Technology Drive
Nokomis, 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 2740/ 2840" White PVC Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-00886**, titled "Series CA 2740 PVC Casement Window Impact & CA 2840 PVC Casement Window Impact", sheets 1 through 5 of 5, dated 10/21/09 with revision "B" dated 07/08/10, prepared by manufacture, signed and sealed by Luis R. Lomas, P. E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Division.

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 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 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 **Jaime D. Gascon, P. E.**



*J. Gascon
7/22/10*

**NOA No. 09-1103.08
Expiration Date: August 11, 2015
Approval Date: August 11, 2010**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **08-00886**, titled "Series CA 2740 PVC Casement Window Impact & CA 2840 PVC Casement Window Impact", sheets 1 through 5 of 5, dated 10/21/09 with revision "**B**", dated 07/08/10, prepared by manufacture, signed and sealed by Luis R. Lomas, 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 202-94
along with marked-up drawings and installation diagram of awning window, prepared by National Certified Testing Laboratories, Inc., Test Reports No.'s **NCTL 210-3634-1** and **NCTL 210-3634-2**, dated 12/28/2007 and 05/30/2008, both signed and sealed by Gerard J. Ferrara, P. E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 10/28/2009, prepared, signed, sealed and dated 07/15/2010 by Luis R. Lomas, P. E.
Complies with ASTM E1300-02/ 04

D. QUALITY ASSURANCE

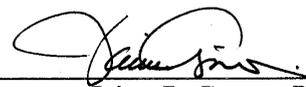
1. Miami-Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/12.
2. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.

F. STATEMENTS

1. Statement letter of no financial interest, conformance and compliance with the FBC 2007, dated 10/21/2009, signed and sealed by Luis R. Lomas, P. E.



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 09-1103.08

Expiration Date: August 11, 2015
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PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUED)

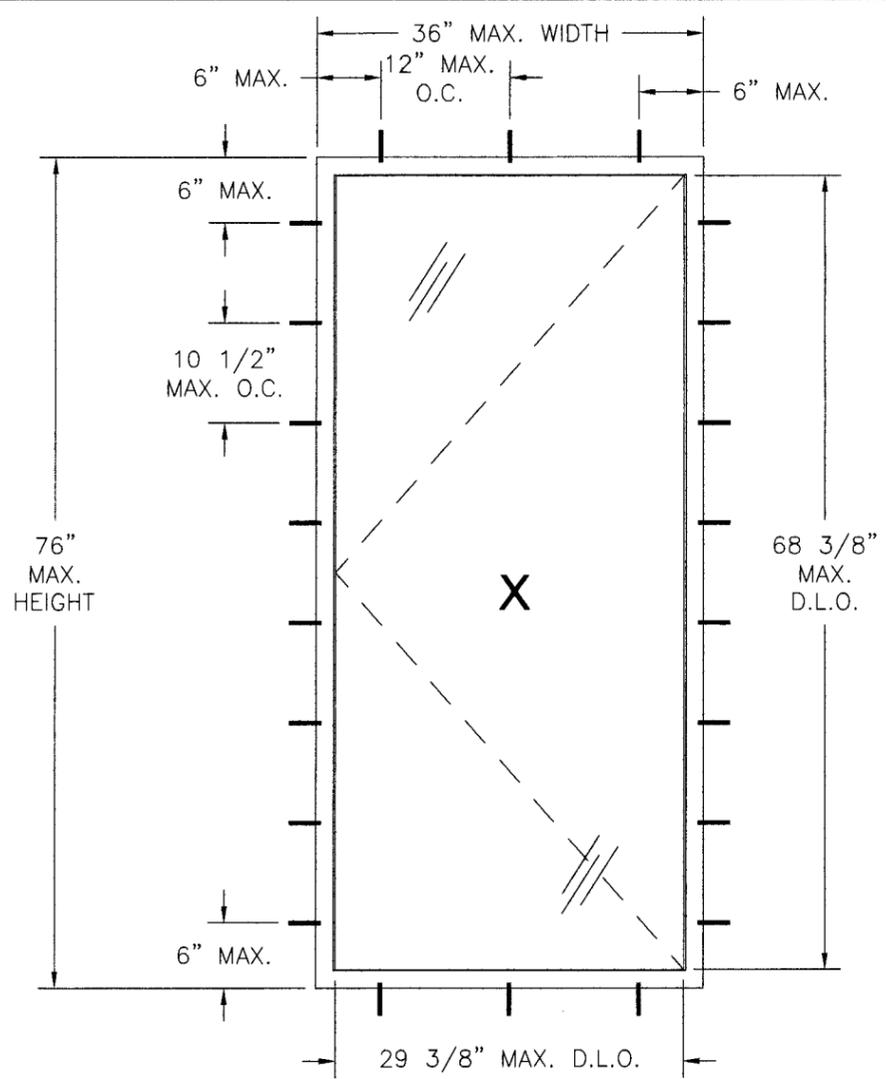
2. Laboratory compliance letter for Test Reports No.'s **NCTL 210-3634-1** and **NCTL 210-3634-2**, issued by National Certified Testing Laboratories, Inc., dated 12/04/2007 and 05/28/2008, signed and sealed by Gerard J. Ferrara, P. E.
3. Laboratory addendum letter for Test Reports No.'s **NCTL 210-3634-1** and **NCTL 210-3634-2**, issued by National Certified Testing Laboratories, Inc., dated 04/06/2010, signed and sealed by Gerard J. Ferrara, P. E.

G. OTHERS

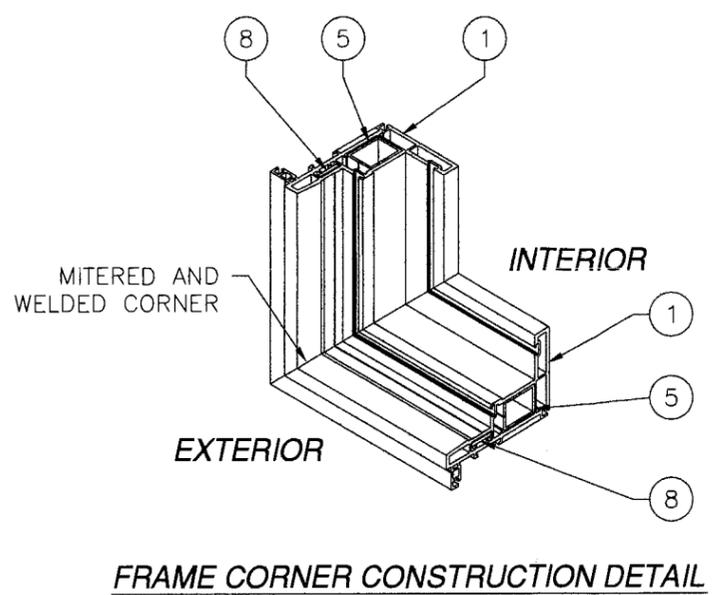
1. None.



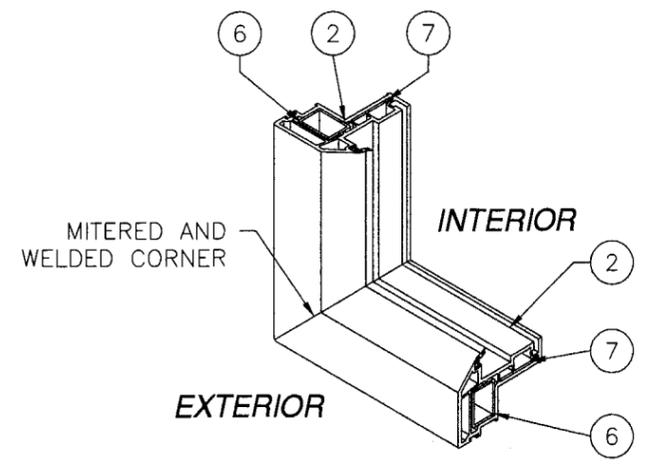
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CA2740 AND CA2840 OS CASEMENT WINDOW
EXTERIOR VIEW



FRAME CORNER CONSTRUCTION DETAIL



SASH CORNER CONSTRUCTION DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED 1-28-10	02/11/10	R.L.
B	ADDED "WHITE" TO ALL PVC	07/08/10	R.L.

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2007 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) FOR INSTALLATION INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 7) FOR INSTALLATION INTO CONCRETE/MASONRY USE 3/16" ITW TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE AND 2 5/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
 - 8) 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.
 - 9) ALL FASTENERS TO BE CORROSION RESISTANT.
 - 10) 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. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING - 16GA (.060") MINIMUM THICKNESS
 - 11) 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.
 - 12) FRAME AND SASH MATERIAL: EXTRUDED WHITE RIGID PVC .106" THICK.
 - 13) UNITS MAY BE RIGHT HAND OR LEFT HAND.
 - 14) CA2740 UNITS ARE GLAZED WITH BUTACITE PVB INTERLAYER, GLAZING TYPES A AND B.
CA2840 UNITS ARE GLAZED WITH SENTRY GLASPLUS INTERLAYER, GLAZING TYPES C AND D.
ALL OTHER COMPONENTS IN CA2740 AND CA2840 ARE SAME.

CA2740 WITH GLAZING TYPE A

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

CA2840 WITH GLAZING TYPES C & D

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

Approved as complying with the Florida Building Code
 Date 08/11/2010
 NOA# 08-1103-08
 Miami Dade Product Control
 Division
 By [Signature]

PGT INDUSTRIES
 1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

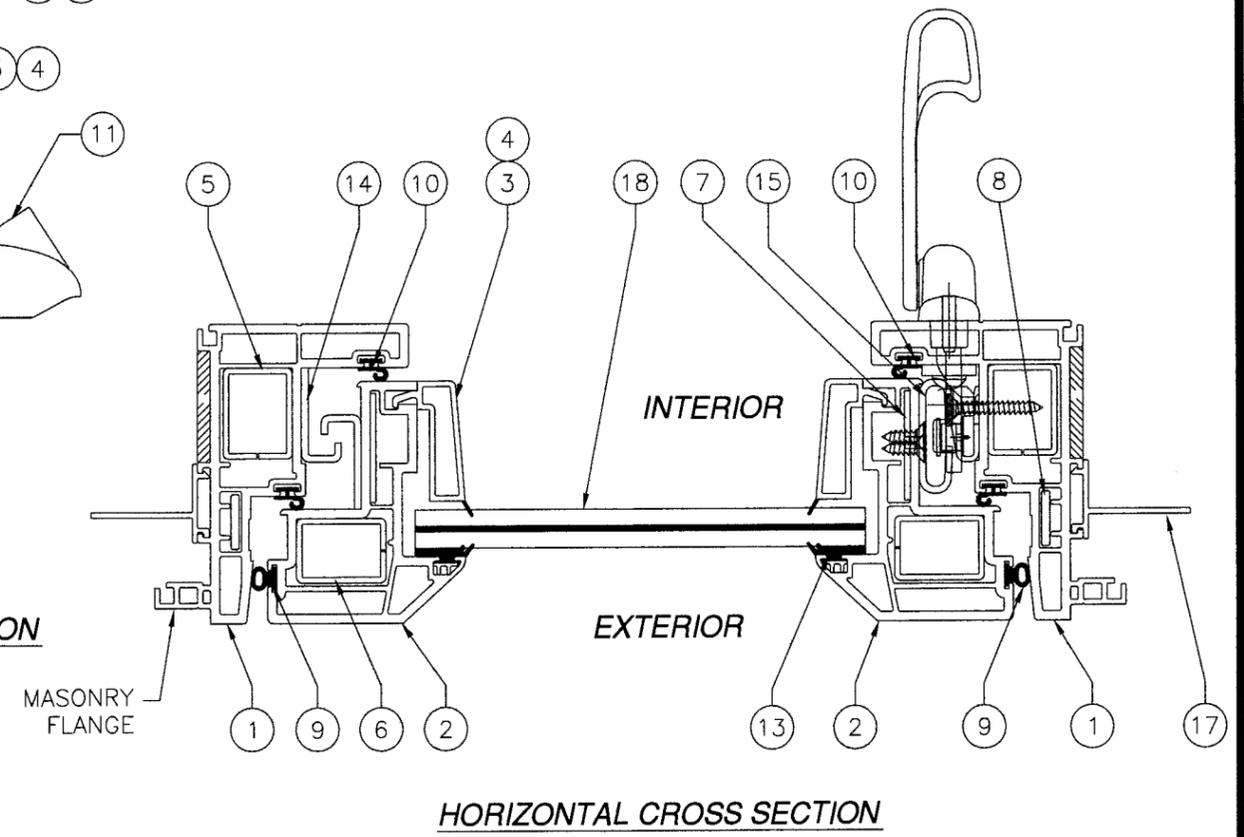
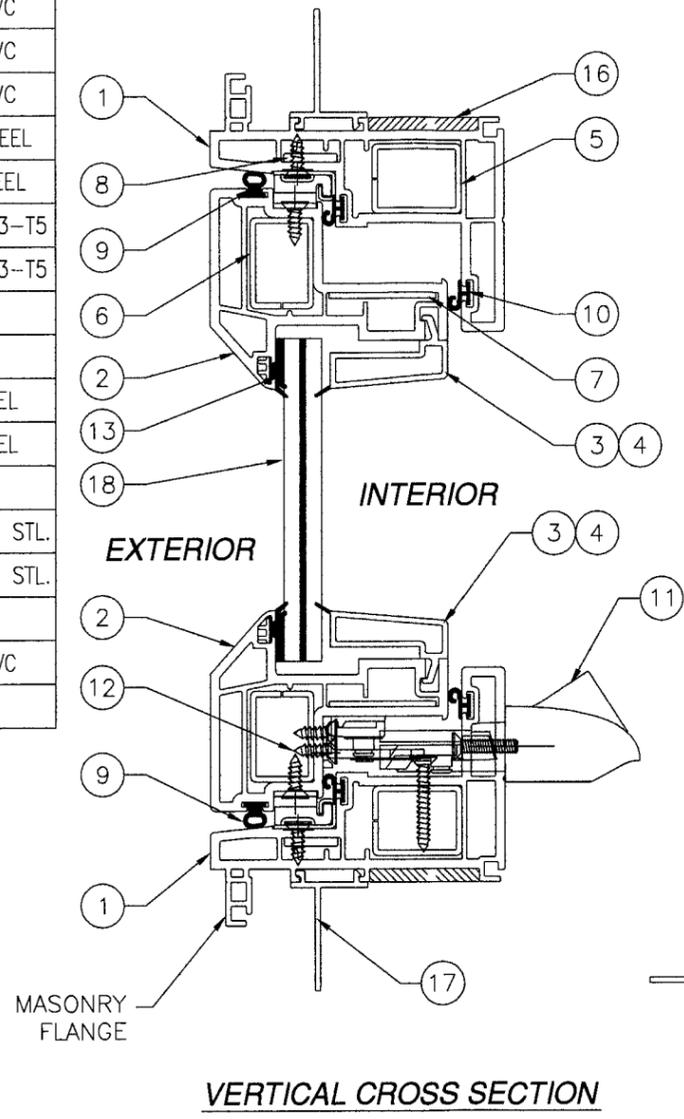
CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT
 CA2840 OS WHITE PVC CASEMENT WINDOW IMPACT
 ELEVATION, ANCHORING AND NOTES

DRAWN: TJH	DWG NO. 08-00886	REV B
SCALE NTS	DATE 10/21/09	SHEET 1 OF 5

[Signature]
 7/14/10
 Luis R. Lomas P.E.
 Florida No. 62514

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		

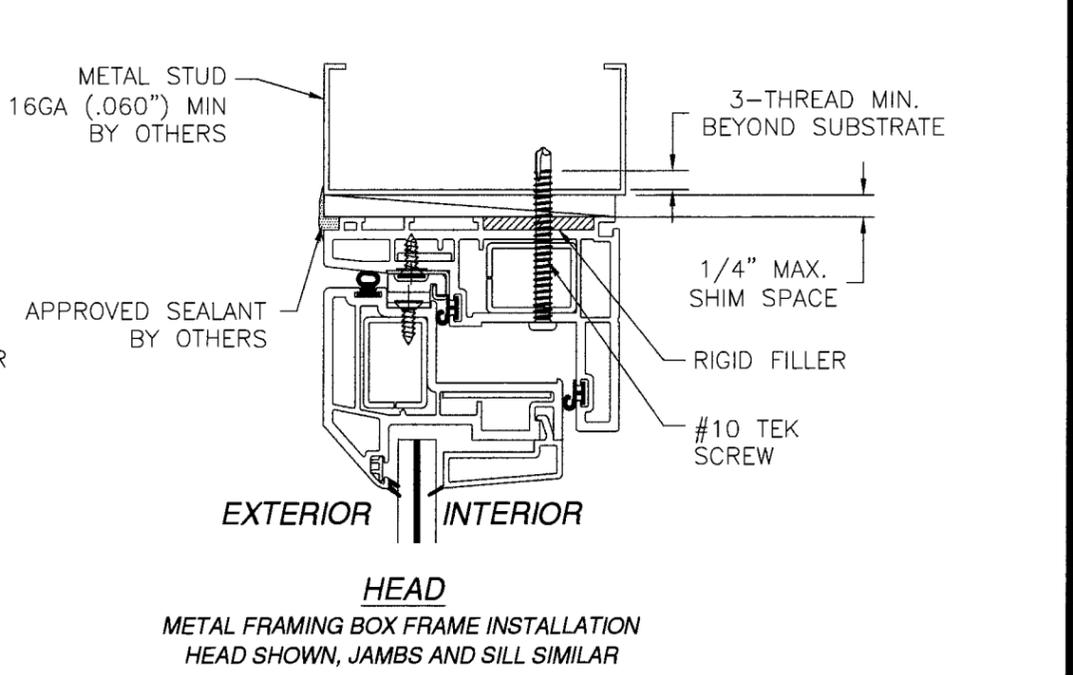
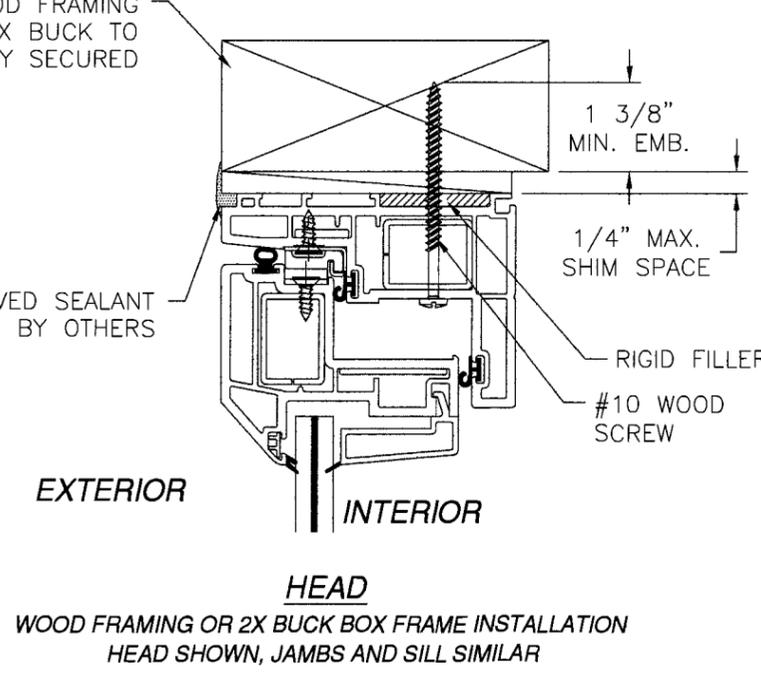
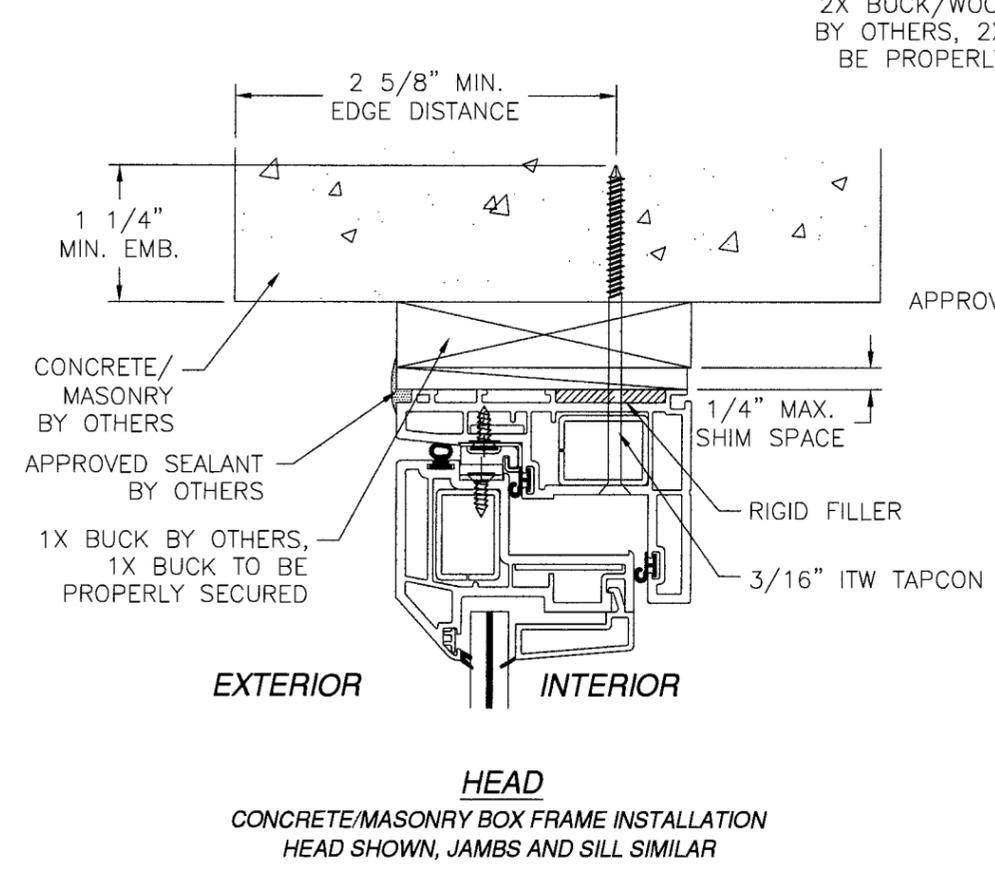
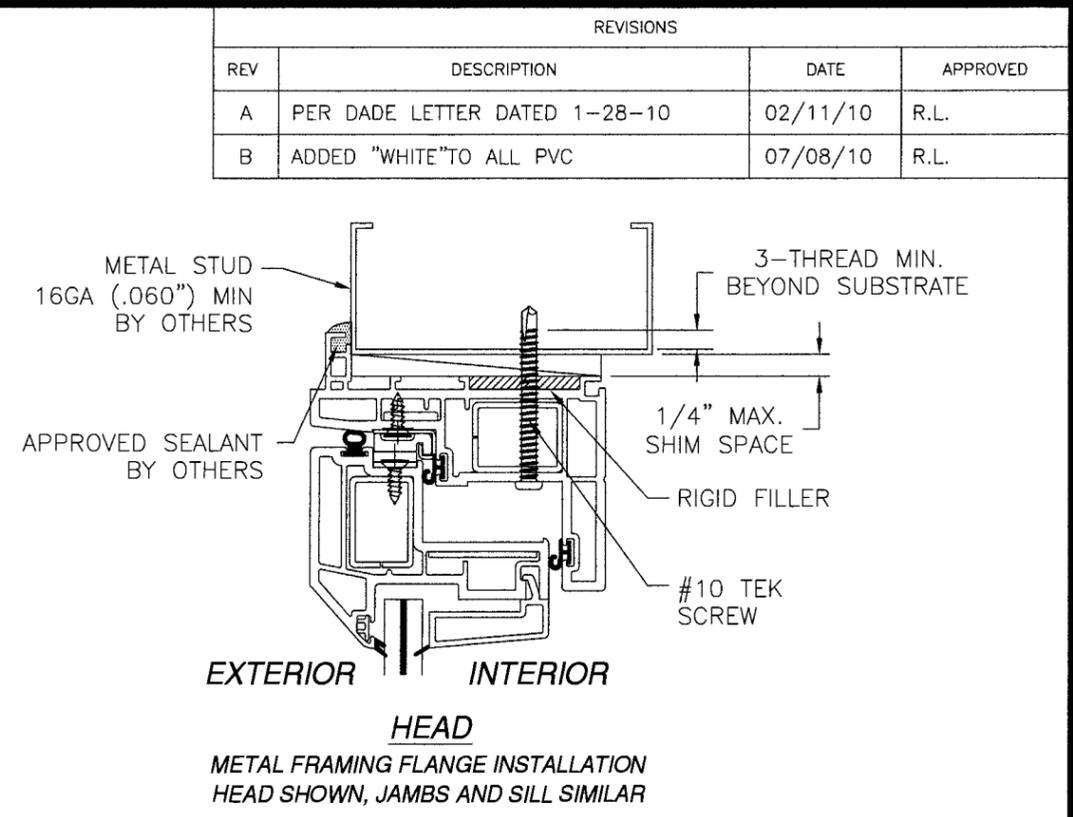
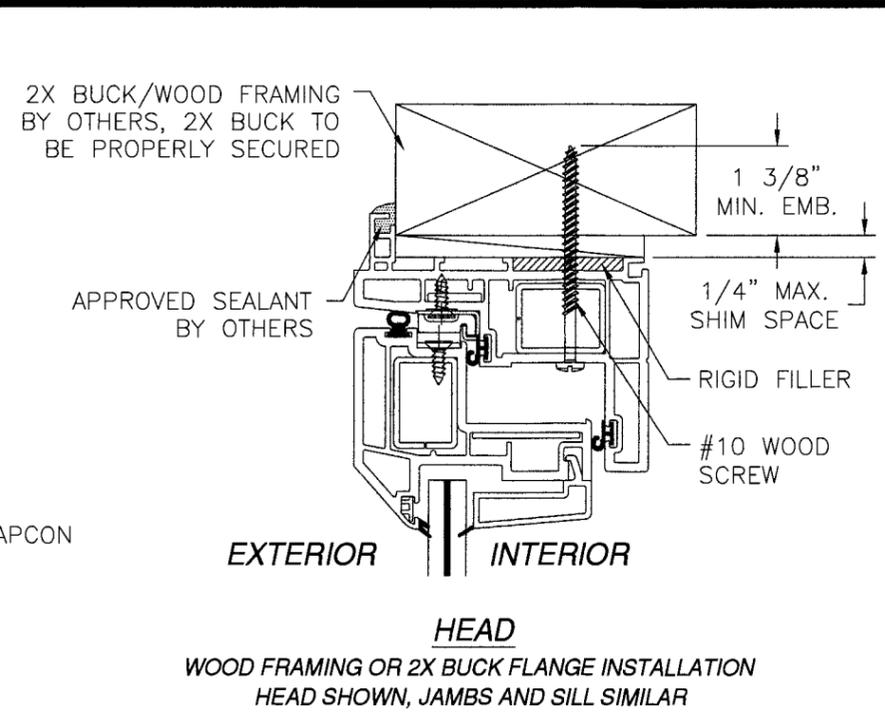
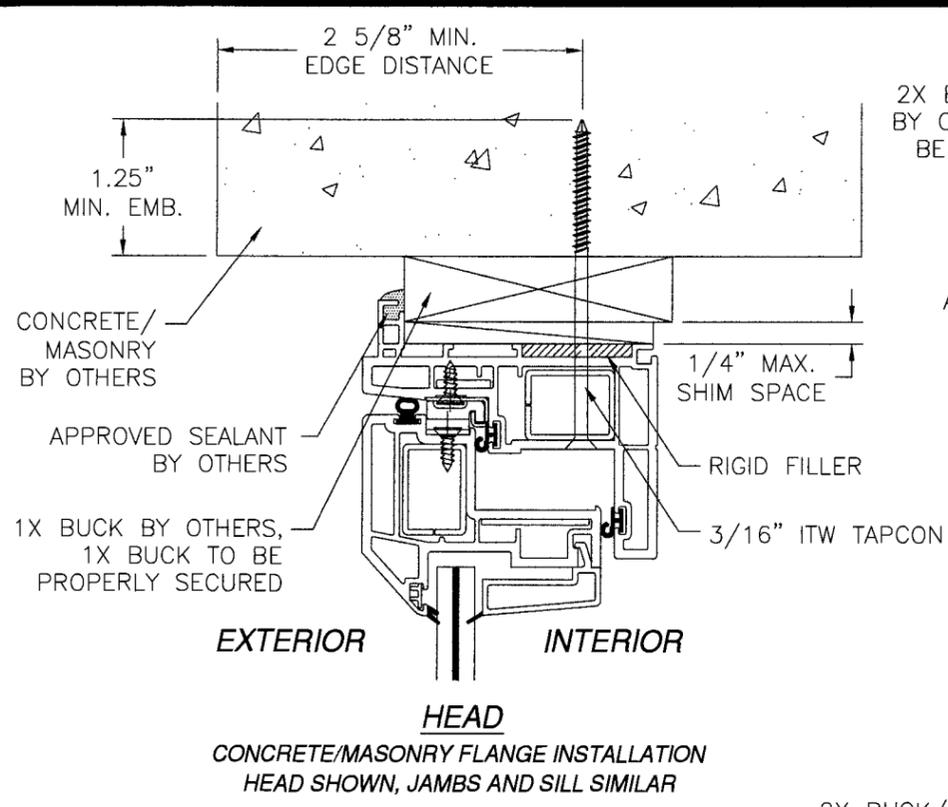
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED 1-28-10	02/11/10	R.L.
B	ADDED "WHITE" TO ALL PVC	07/08/10	R.L.



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.
- 4) WHITE PVC EXTRUSIONS TO BE LABELED WITH AAMA EXTRUDED CODE, EXTRUDER NAME, CITY, STATE AND MDCA.

<p>Approved as complying with the Florida Building Code Date <u>08/11/2010</u> NOA# <u>09-1103.08</u> Miami Dade Product Control Division <u>[Signature]</u> By <u>[Signature]</u></p>	<p>PGT INDUSTRIES 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275</p>		<p><u>[Signature]</u> 7/14/10</p>
	<p>CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT CA2840 OS WHITE PVC CASEMENT WINDOW IMPACT BILL OF MATERIALS AND CROSS SECTIONS</p>		
<p>DRAWN: TJH</p>	<p>DWG NO. 08-00886</p>	<p>REV B</p>	<p>Luis R. Lomas P.E. Florida No. 62514</p>
<p>SCALE NTS</p>	<p>DATE 10/21/09</p>	<p>SHEET 2 OF 5</p>	



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED 1-28-10	02/11/10	R.L.
B	ADDED "WHITE" TO ALL PVC	07/08/10	R.L.

Approved as complying with the Florida Building Code
 Date 08/11/2010
 NOA# 09-1163.08
 Miami Dade Product Control
 Division
 By *[Signature]*

PGT INDUSTRIES
 1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT
 CA2840 OS WHITE PVC CASEMENT WINDOW IMPACT
 INSTALLATION DETAILS

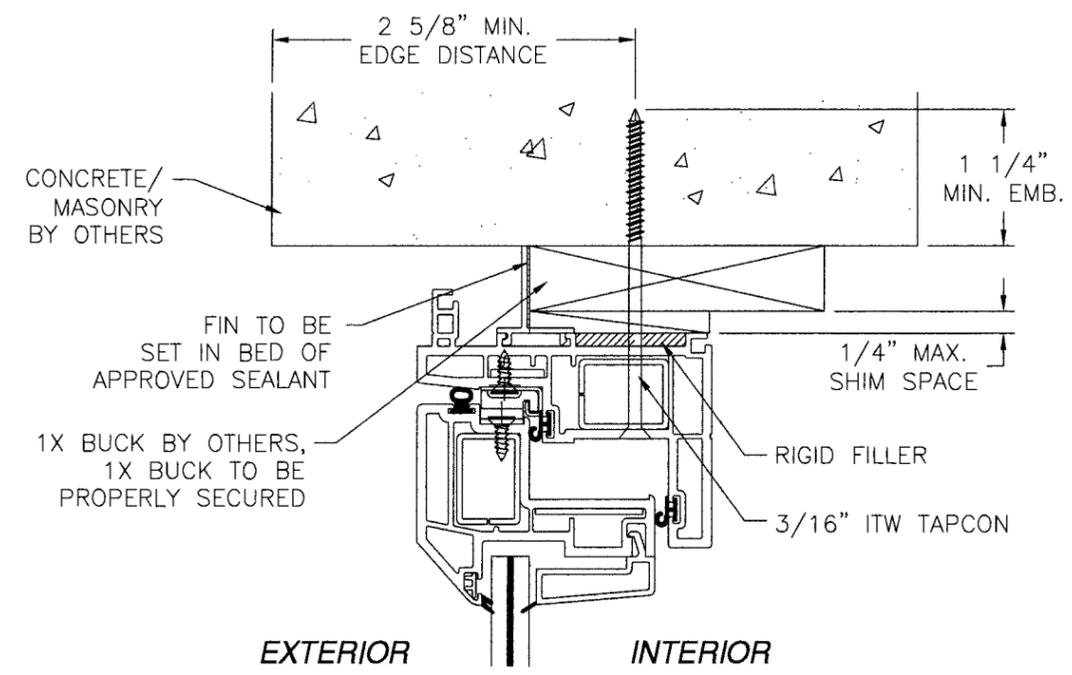
DRAWN: TJH DWG NO. 08-00886 REV B

SCALE NTS DATE 10/21/09 SHEET 3 OF 5

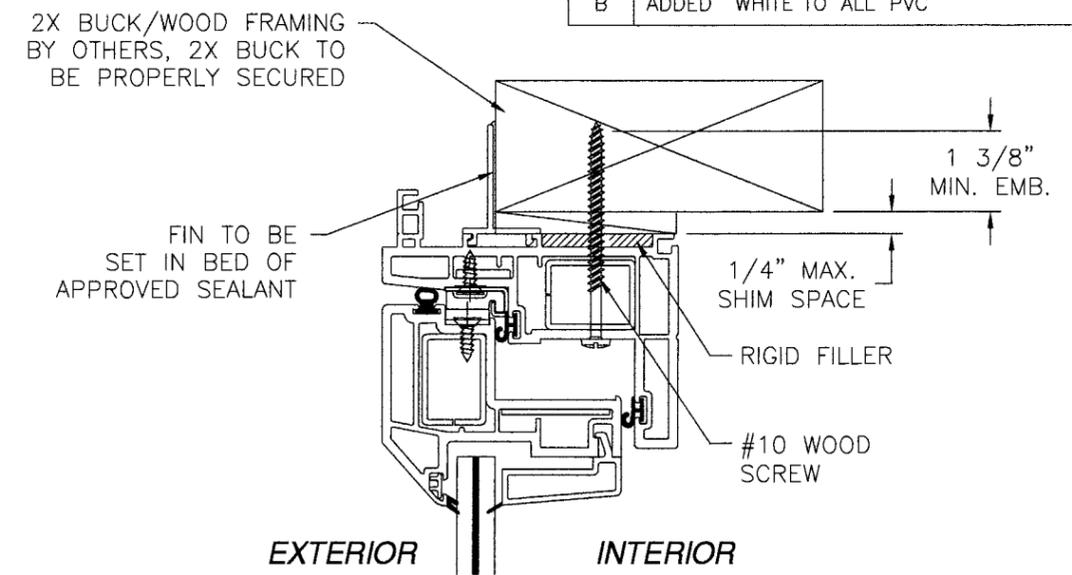
Luis R. Lomas
 7/14/10

Luis R. Lomas P.E.
 Florida No. 62514

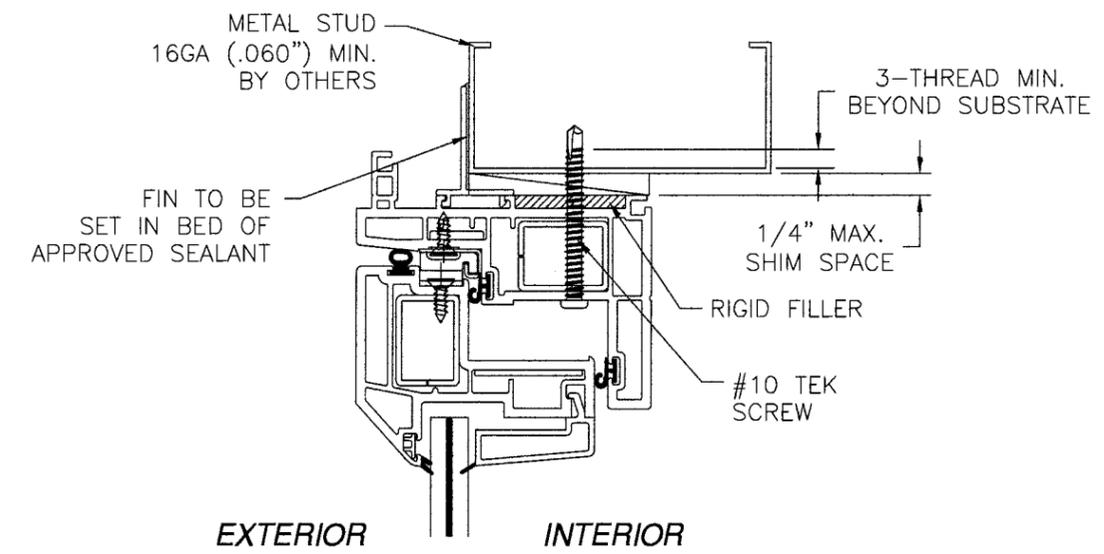
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B	ADDED "WHITE" TO ALL PVC	07/08/10	R.L.



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

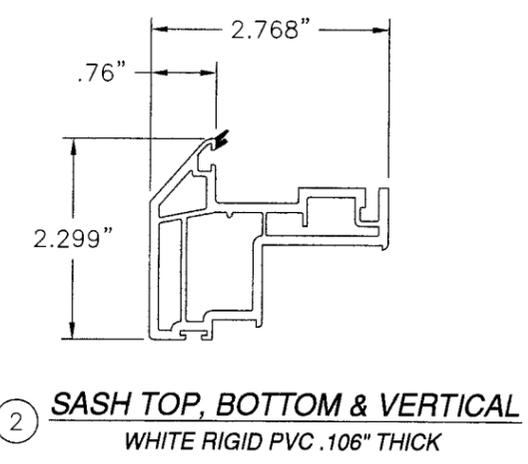
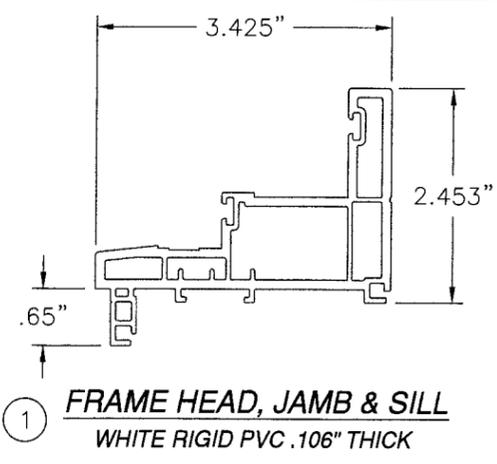
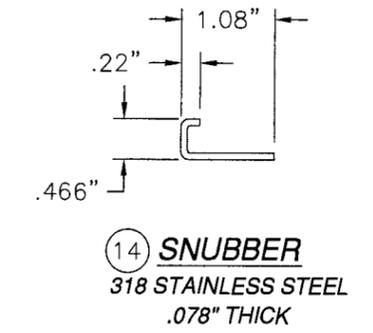
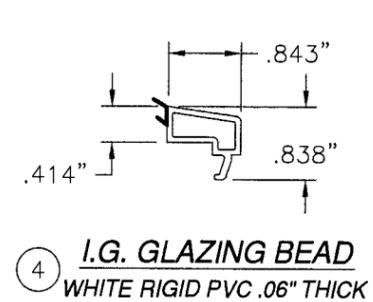
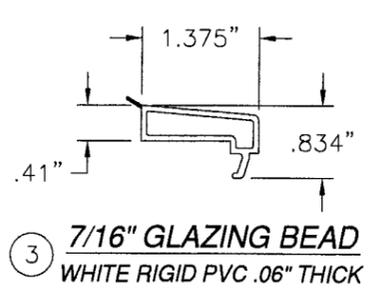
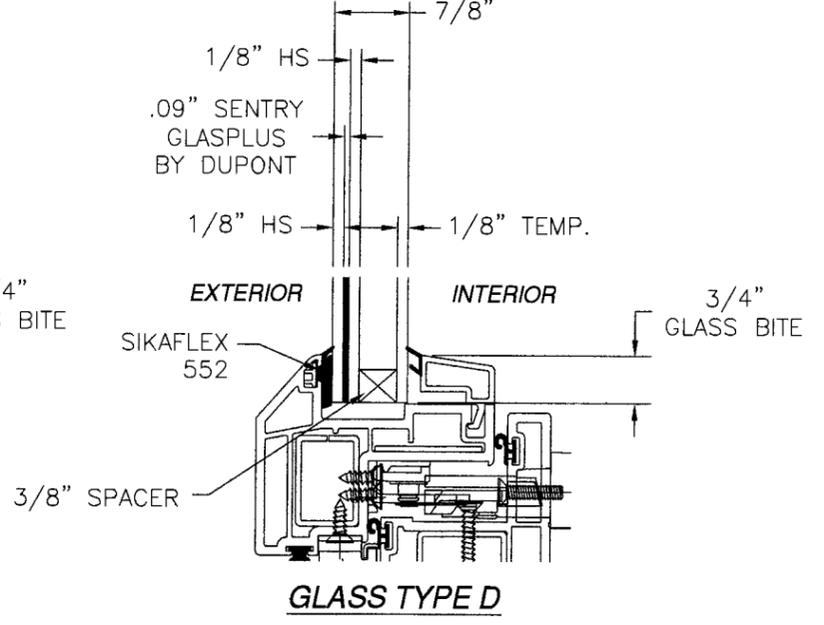
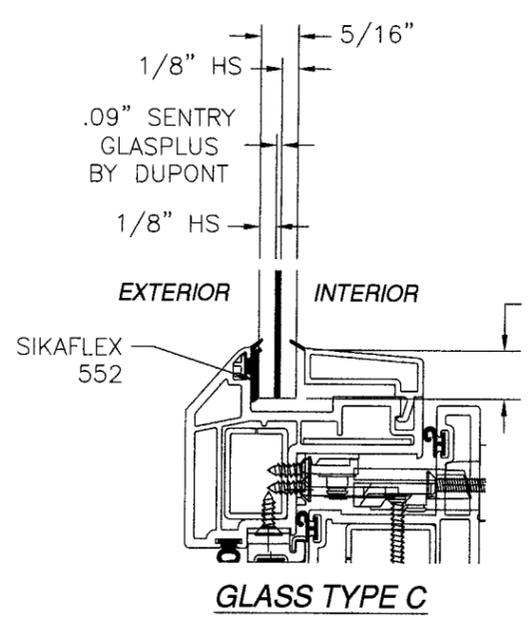
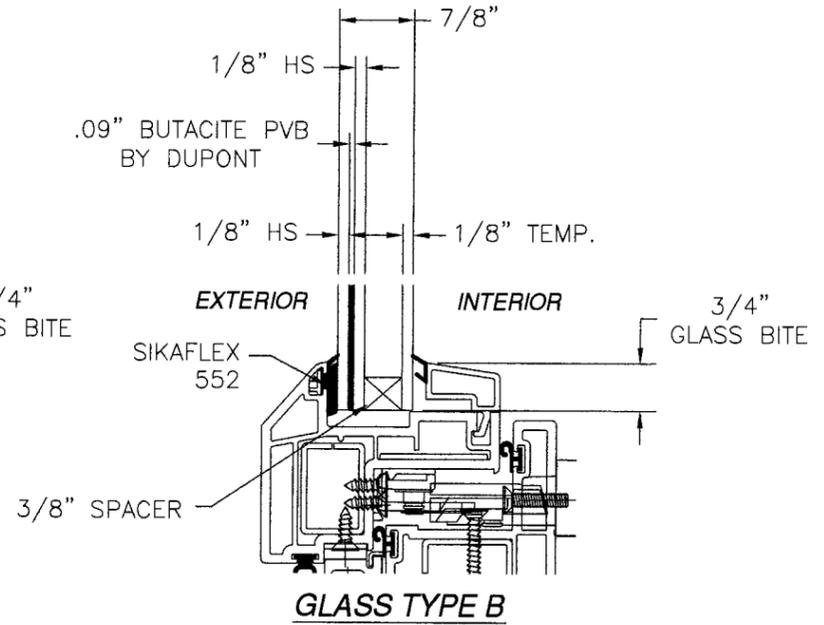
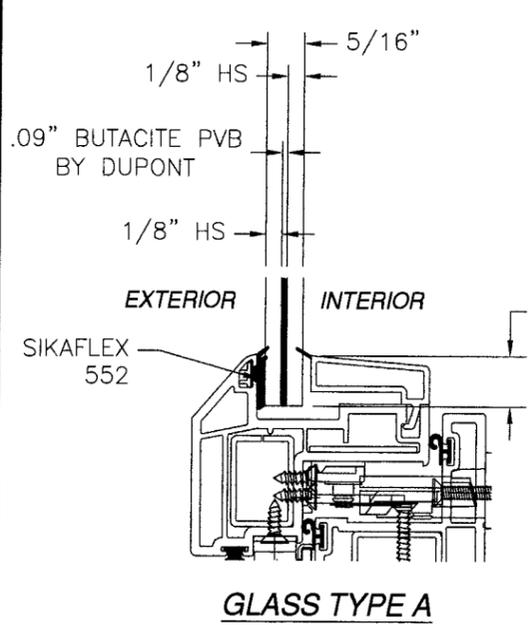


HEAD
WOOD FRAMING OR 2X BUCK FIN INSTALLATION
 HEAD SHOWN, JAMBS AND SILL SIMILAR

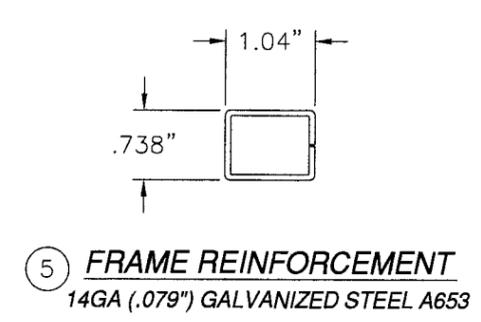
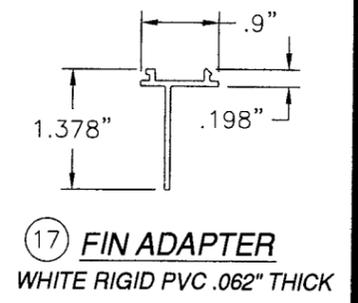
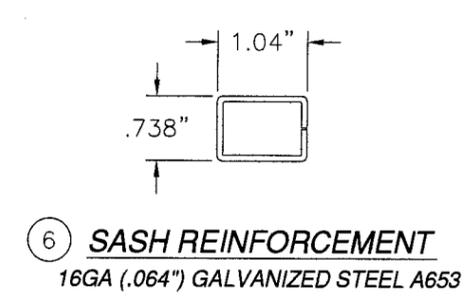


HEAD
METAL FRAMING FIN INSTALLATION
 HEAD SHOWN, JAMBS AND SILL SIMILAR

Approved as complying with the Florida Building Code Date <u>08/11/2010</u> NOA# <u>09-1103.08</u> Miami Dade Product Control Division By <u>[Signature]</u>	PGT INDUSTRIES 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275		 <u>7/14/10</u> Luis R. Lomas P.E. Florida No. 62514
	CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT CA2840 OS WHITE PVC CASEMENT WINDOW IMPACT INSTALLATION DETAILS		
	DRAWN: TJH	DWG NO. 08-00886	
SCALE NTS	DATE 10/21/09	SHEET 4 OF 5	



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED 1-28-10	02/11/10	R.L.
B	ADDED "WHITE" TO ALL PVC	07/08/10	R.L.



Approved as complying with the Florida Building Code
 Date 08/11/2010
 NOA# 09-1103.08
 Miami Dade Product Control Division
 By *[Signature]*

PGT INDUSTRIES
 1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

CA2740 OS WHITE PVC CASEMENT WINDOW IMPACT
 CA2840 OS WHITE PVC CASEMENT WINDOW IMPACT
 GLAZING DETAILS AND COMPONENTS

DRAWN: TJH	DWG NO. 08-00886	REV B
SCALE NTS	DATE 10/21/09	SHEET 5 OF 5

[Signature]
 7/14/10

Luis R. Lomas P.E.
 Florida No. 62514