



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 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 "2LT HR-2710M" White PVC Horizontal Roller Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-00882**, titled "2LT HR2710M PVC Horizontal Roller Window LMI – 74-1/4" x 63-1/4" ", sheets 1 through 6 of 6, dated 10/27/09, with revision B dated 09/23/10, prepared by manufacturer, 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 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 09-1210.08
Expiration Date: December 23, 2015
Approval Date: December 23, 2010
Page 1

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **08-00882**, Sheets 1 through 6 of 6, titled "Series 2LT HR2710M PVC Horizontal Roller Window LMI – 74-1/4" x 63-1/4" ", dated 10/27/09 with revision B dated 09/23/10, prepared by manufacturer, 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 202-94along with marked-up drawings and installation diagram of a series 2LT HR-2710M pvc horizontal roller window, XX configuration, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3635-2**, dated 04/14/09, re-issued on 09/17/09 and revised on 05/05/10, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by manufacturer, dated 10/27/09, signed and sealed by Luis R. Lomas, P.E.
Complies with ASTM E1300-04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. 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.
2. 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.

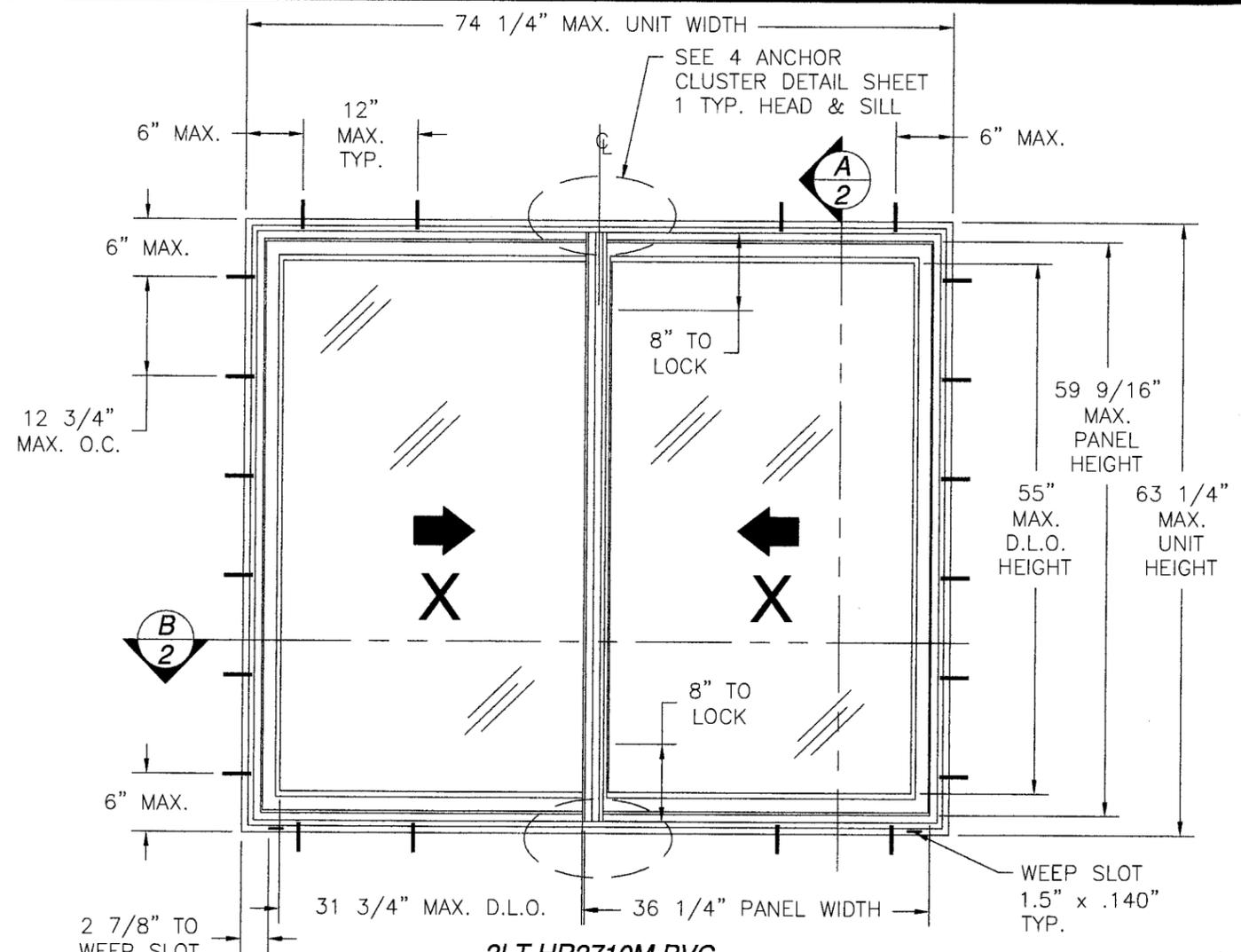
F. STATEMENTS

1. Statement letter of conformance and no financial interest, dated October 27, 2009, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letter for Test Report No. **NCTL-210-3639-1**, issued by National Certified Testing Laboratories, dated 09/17/09, signed and sealed by Gerard J. Ferrara, P.E.

G. OTHER

1. None.

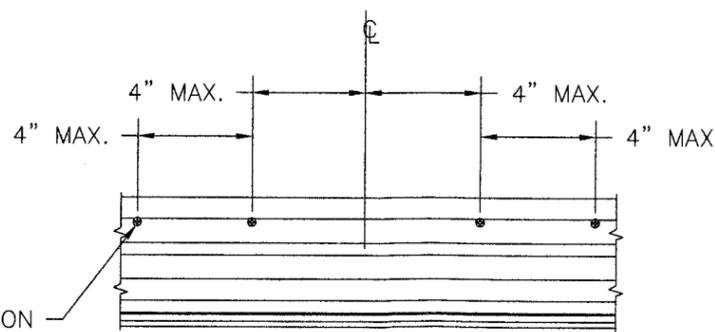

Manuel Perez, P.E.
Product Control Examiner
NOA No. 09-1210.08
Expiration Date: December 23, 2015
Approval Date: December 23, 2010



**2LT HR2710M PVC
HORIZONTAL ROLLER WINDOW
EXTERIOR VIEW**

WITH 1 1/2\" SILL RISER ITEM #34

DESIGN PRESSURE RATING	IMPACT RATING
+ 60.0 PSF	LARGE AND SMALL MISSILE IMPACT
- 65.0 PSF	



**4 ANCHOR CLUSTER DETAIL
TYPICAL HEAD AND SILL**

INSTALLATION ANCHORS
SEE NOTES 6,
7 AND 8
SHEET 1

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAR. 25, 2010	5/19/10	R.L.
B	REVISED WOOD SCREW EDGE DIST.	09/23/10	R.L.

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 6 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 #8 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/16\" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 13/16\" MINIMUM EDGE DISTANCE. 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 #8 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 MATERIAL: EXTRUDED RIGID PVC .075\" THICK.
SASH MATERIAL: EXTRUDED RIGID PVC .070\" THICK.

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

Approved as complying with the
Florida Building Code
Date DEC. 23, 2010
NGA# 09-1210-08
Miami Dade Product Control
By Manuel Perez

PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

2LT HR2710M PVC HORIZONTAL ROLLER WINDOW LMI
74 1/4\" x 63 1/4\"
ELEVATION, ANCHORING AND NOTES

DRAWN: TJH	DWG NO. 08-00882	REV B
SCALE NTS	DATE 10/27/09	SHEET 1 OF 6

Luis R. Lomas
9/27/10

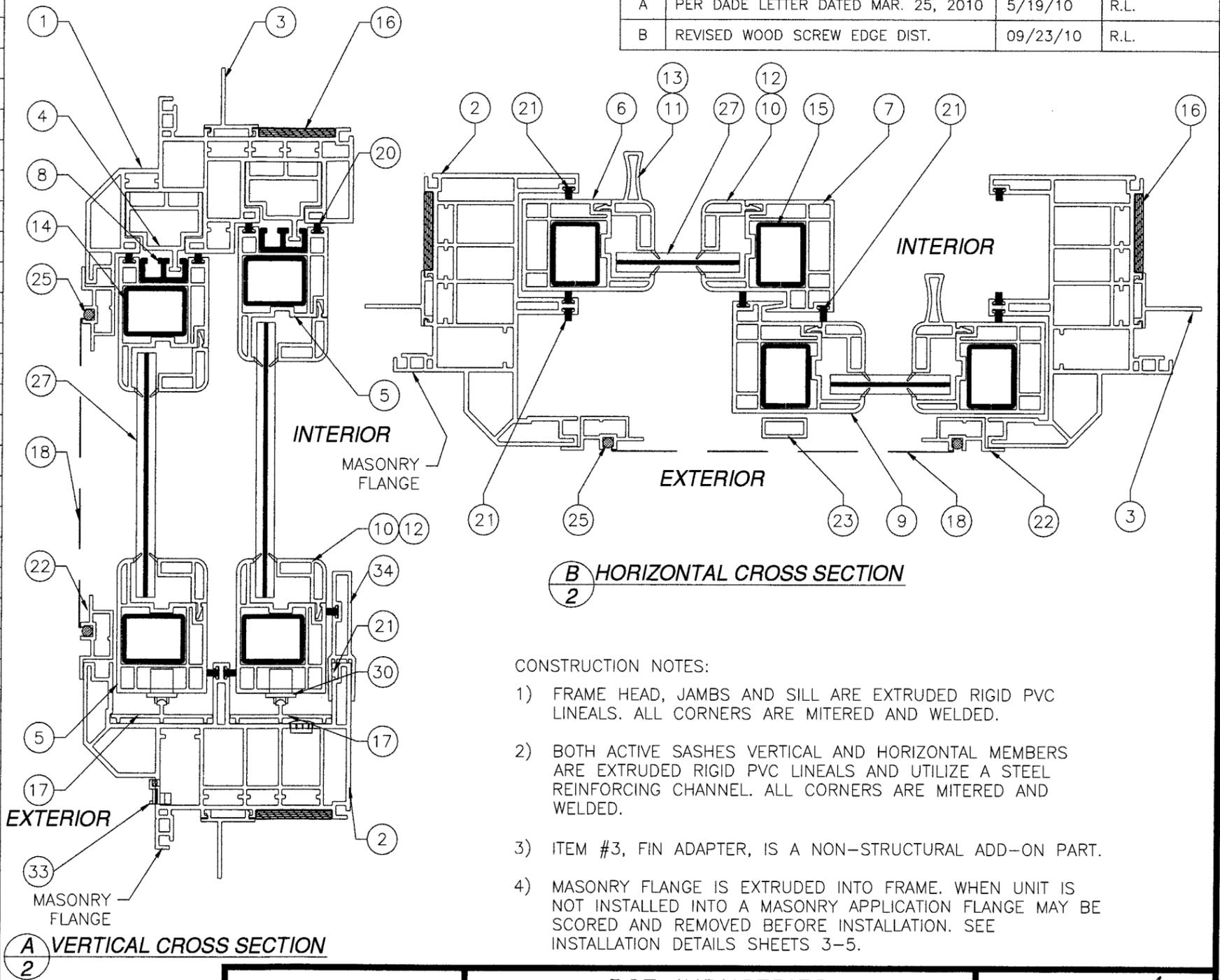
Luis R. Lomas P.E.
Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	8301	FRAME HEAD	LB PLASTICS INC.	RIGID PVC
2	8303	FRAME SILL AND JAMB	LB PLASTICS INC.	RIGID PVC
3	8343	FIN ADAPTER	LB PLASTICS INC.	RIGID PVC
4	VB51F34F-4	HEADER POCKET INSERT	EASTERN METALS	ALUMINUM 6063-T6
5	8306	SASH HORIZONTAL PLAIN	LB PLASTICS INC.	RIGID PVC
6	8305	SASH VERTICAL PLAIN	LB PLASTICS INC.	RIGID PVC
7	8308	SASH INTERNAL INTERLOCK	LB PLASTICS INC.	RIGID PVC
8	VB51F34F-5	SASH POCKET INSERT	EASTERN METALS	ALUMINUM 6063-T6
9	8307	SASH EXTERNAL INTERLOCK	LB PLASTICS INC.	RIGID PVC
10	8321	SASH 5/16" PLAIN BEAD	LB PLASTICS INC.	RIGID PVC
11	8320	SASH 5/16" LIFT BEAD	LB PLASTICS INC.	RIGID PVC
12	8325	SASH 7/8" PLAIN BEAD	LB PLASTICS INC.	RIGID PVC
13	8324	SASH 7/8" LIFT BEAD	LB PLASTICS INC.	RIGID PVC
14	ST1007B 16GA	SASH REINFORCEMENT	HYGRADE	GALVANIZED STEEL
15	ST1007B 14GA	SASH REINFORCEMENT	HYGRADE	GALVANIZED STEEL
16	2NB-8K-018	RIGID FILLER .797"	FRANK LOWE	NEOPRENE
17	FL 1221	ROLLER TRACK	EASTERN METALS	ALUMINUM 6063-T6
18	18/16GCCCL	SCREEN CLOTH	PHIFER WIRE	FIBERGLASS
19	WA2L	WEEP COVER	PREFERRED ENG.	NYLON
20	G23251NW	WEATHERSTRIPPING FIN SEAL	ULTRA FAB	POLYPROPYLENE
21	G23321NW	WEATHERSTRIPPING FIN SEAL	ULTRA FAB	POLYPROPYLENE
22	VB51F34F-3	SCREEN FRAME	EASTERN METALS	ALUMINUM 6063-T6
23	VB591FB5-3	SCREEN CROSS BAR	EASTERN METALS	ALUMINUM 6063-T6
24	SIKAFLEX 552	GLAZING COMPOUND	SIKA	POLYURETHANE
25	FP-50-160B	SCREEN SPLINE	PROTOTYPE PLASTICS	65A TPE
26	SK01-3014-G2	SASH KEEPER	INTERLOCK USA	ZINC
27		IMPACT GLAZING SEE SHEET 6		
28	5500-000-G2	SASH LOCK	INTERLOCK USA	ZINC
29	NCRWDH-042	TILT LATCH	IPS	ZINC
30	PD42366-1-125	ROLLER	IPS	STAINLESS STEEL
31	SNB IN	INTERLOCK CLIP	WIRCO	STAINLESS STEEL
32	SNB OUT	INTERLOCK CLIP	WIRCO	STAINLESS STEEL
33		WEEP COVER		RIGID PVC
34	8349	1 1/2" SILL RISER	L.B. PLASTICS	RIGID PVC

ITEMS #31 AND #32 ARE USED BUT NOT SHOWN.

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAR. 25, 2010	5/19/10	R.L.
B	REVISED WOOD SCREW EDGE DIST.	09/23/10	R.L.



CONSTRUCTION NOTES:

- 1) FRAME HEAD, JAMBS AND SILL ARE EXTRUDED RIGID PVC LINEALS. ALL CORNERS ARE MITERED AND WELDED.
- 2) BOTH ACTIVE SASHES VERTICAL AND HORIZONTAL MEMBERS ARE EXTRUDED RIGID PVC LINEALS AND UTILIZE A STEEL REINFORCING CHANNEL. ALL CORNERS ARE MITERED AND WELDED.
- 3) ITEM #3, FIN ADAPTER, IS A NON-STRUCTURAL ADD-ON PART.
- 4) 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 3-5.

Approved as complying with the Florida Building Code
 Date: DEC 23, 2010
 NO. 09-1210.08
 Manual Perez

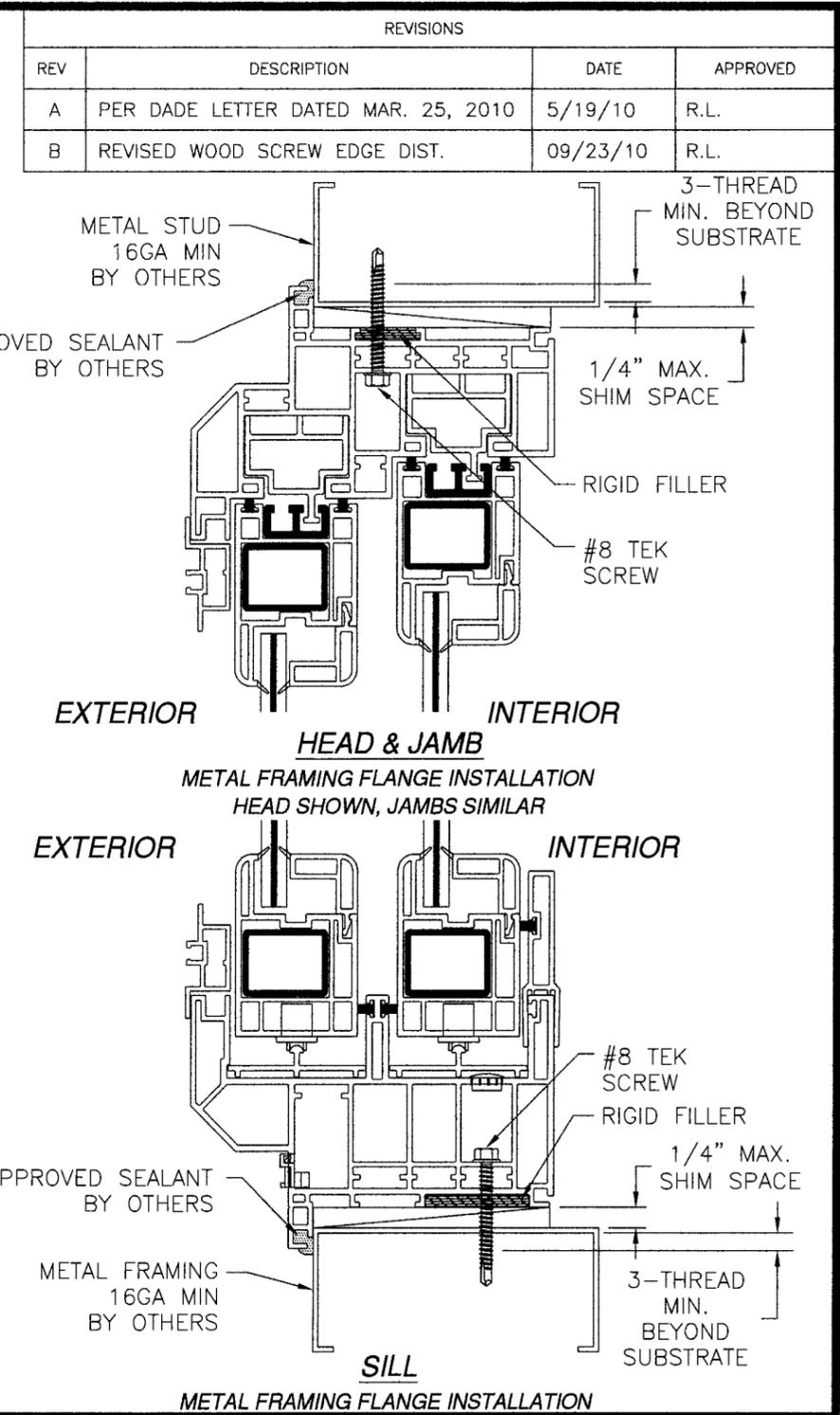
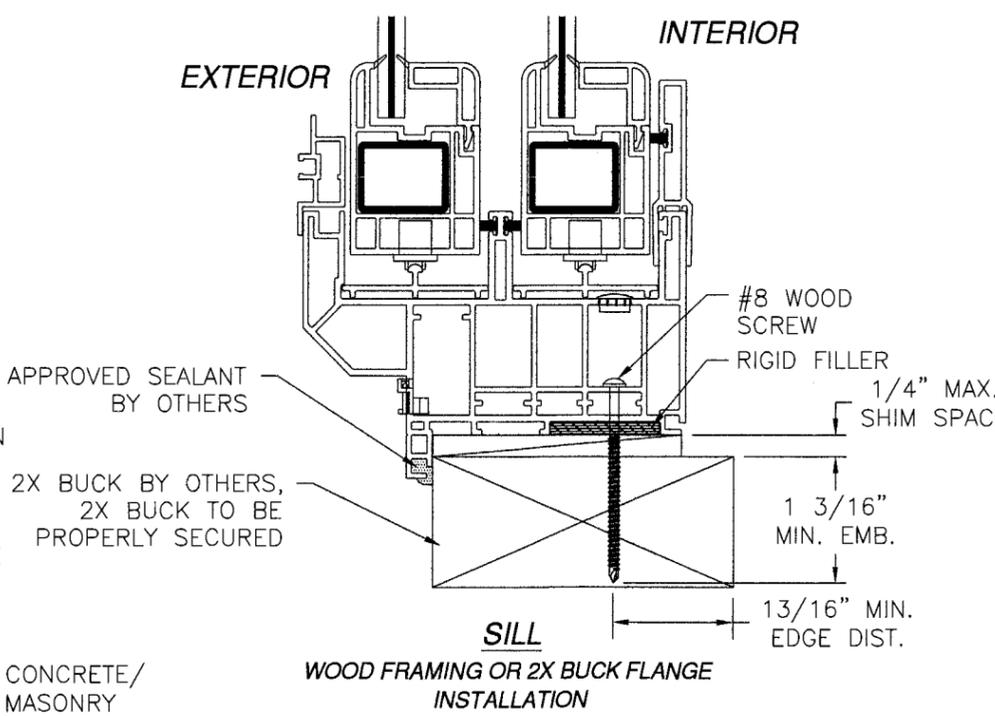
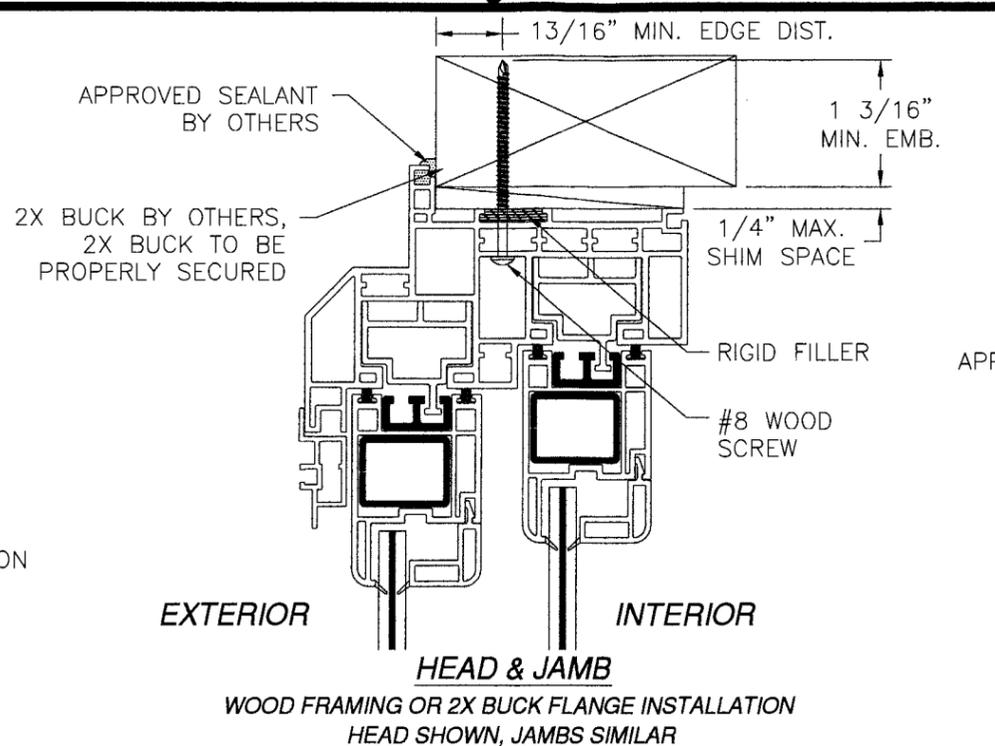
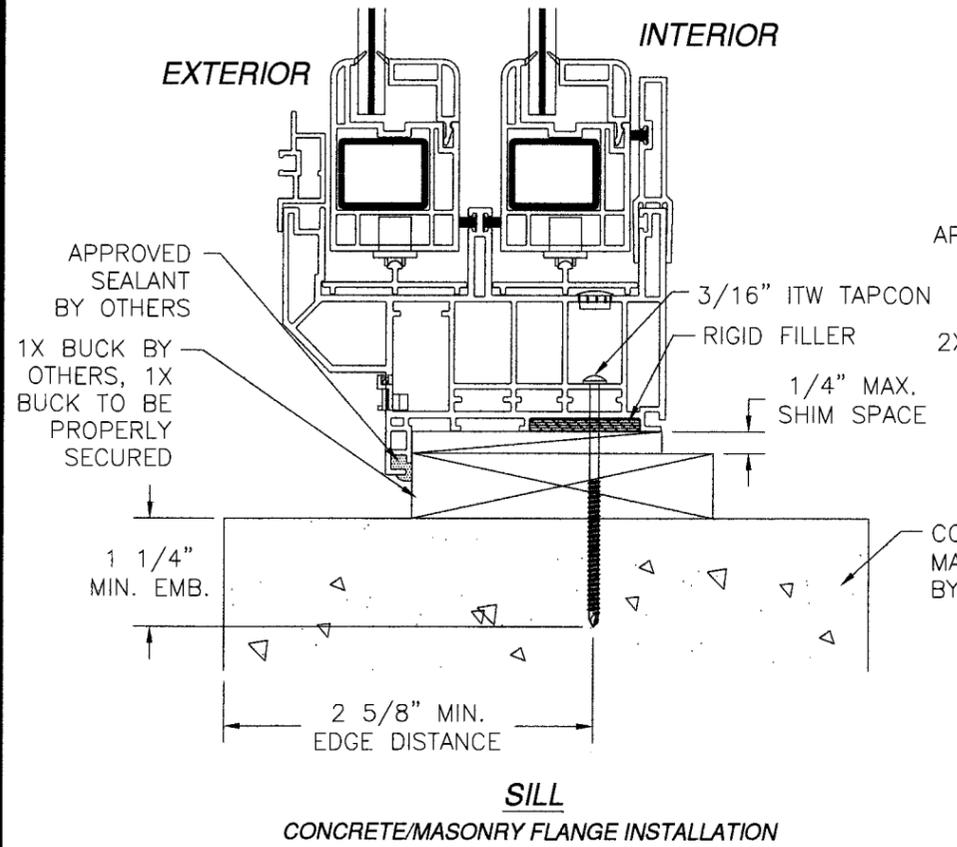
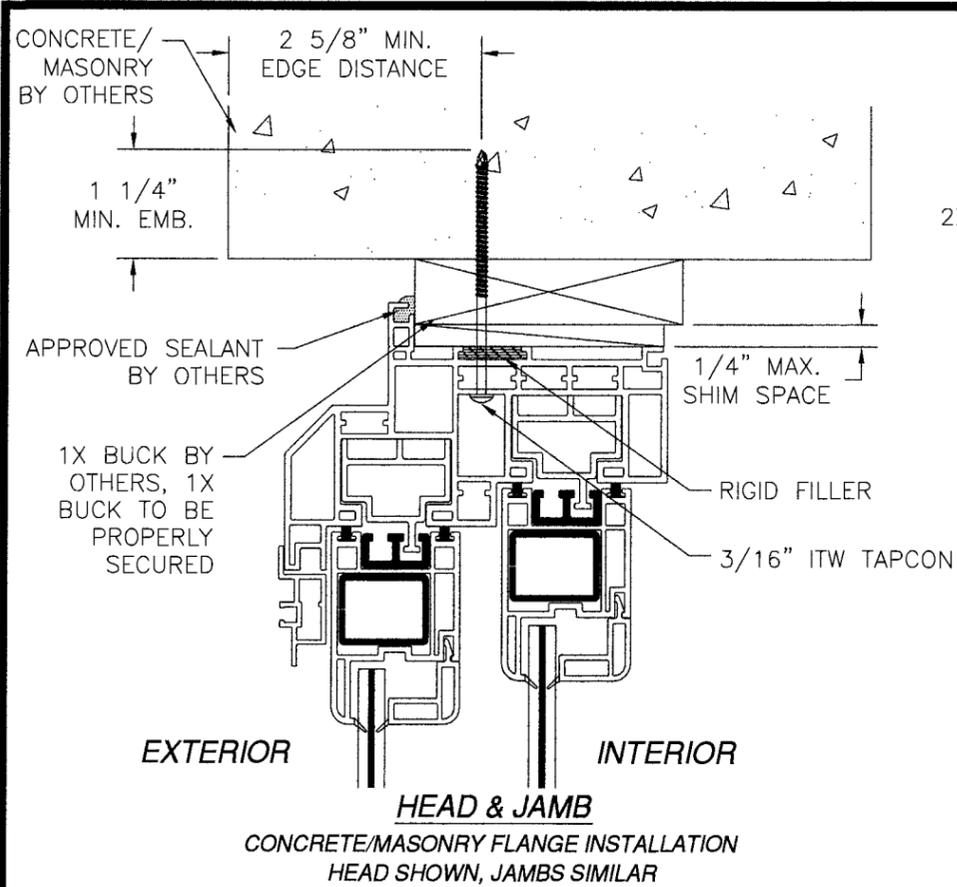
PGT INDUSTRIES
 1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

2LT HR2710M PVC HORIZONTAL ROLLER WINDOW LMI
 74 1/4" x 63 1/4"
 BILL OF MATERIALS AND CROSS SECTIONS

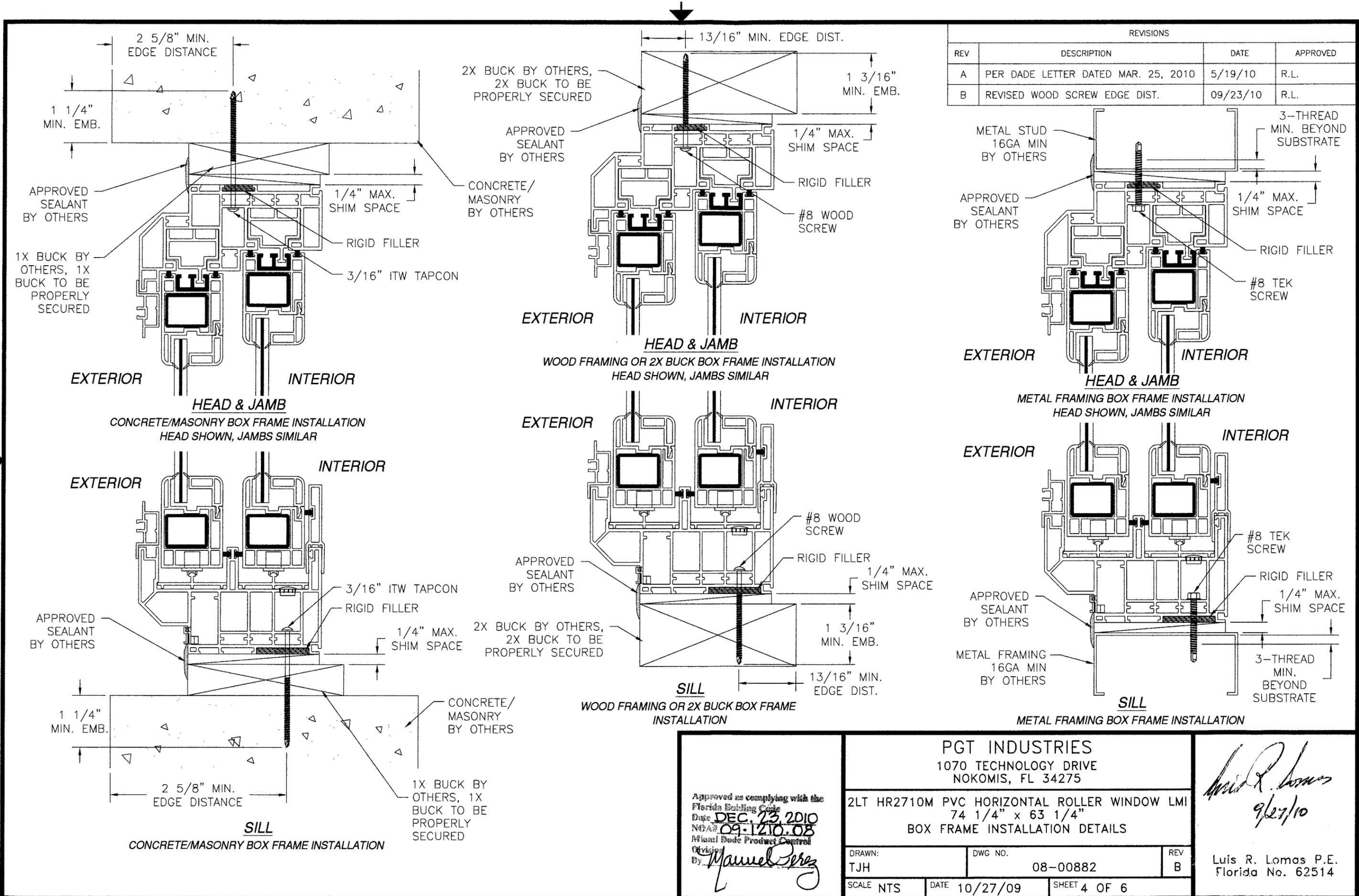
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SCALE NTS	DATE 10/27/09	SHEET 2 OF 6

Luis R. Lomas
 9/27/10

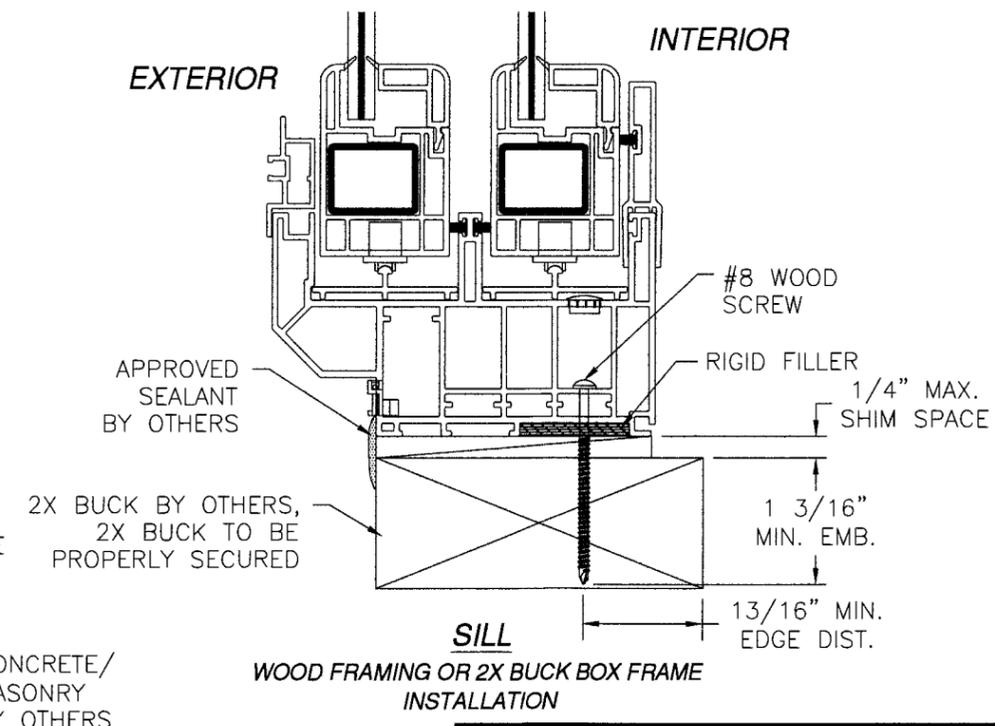
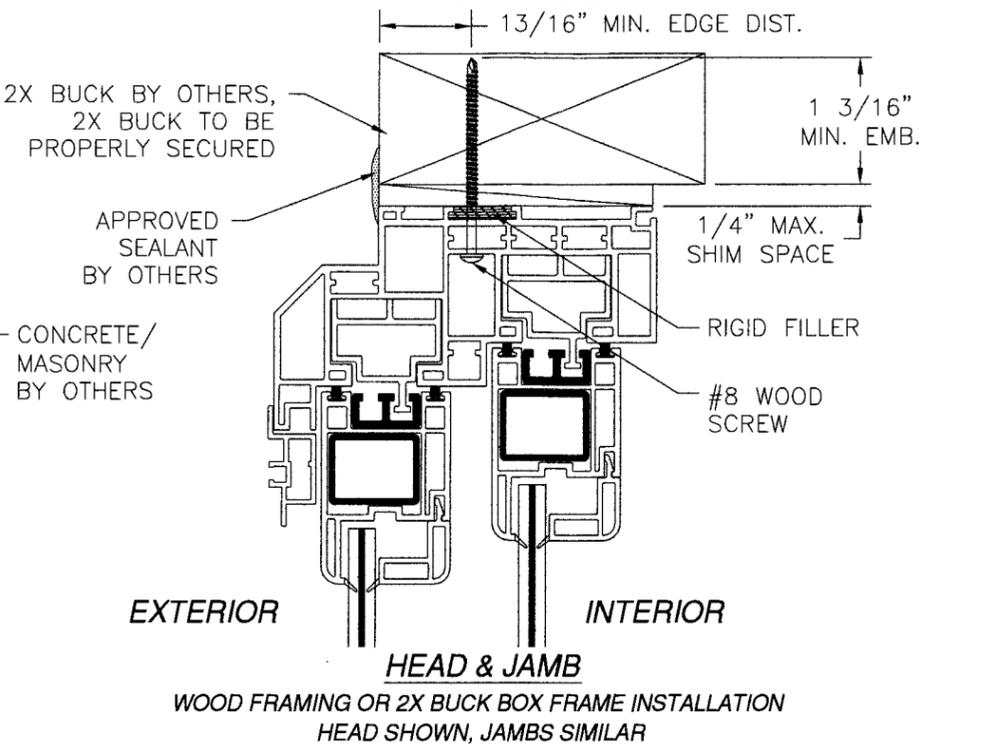
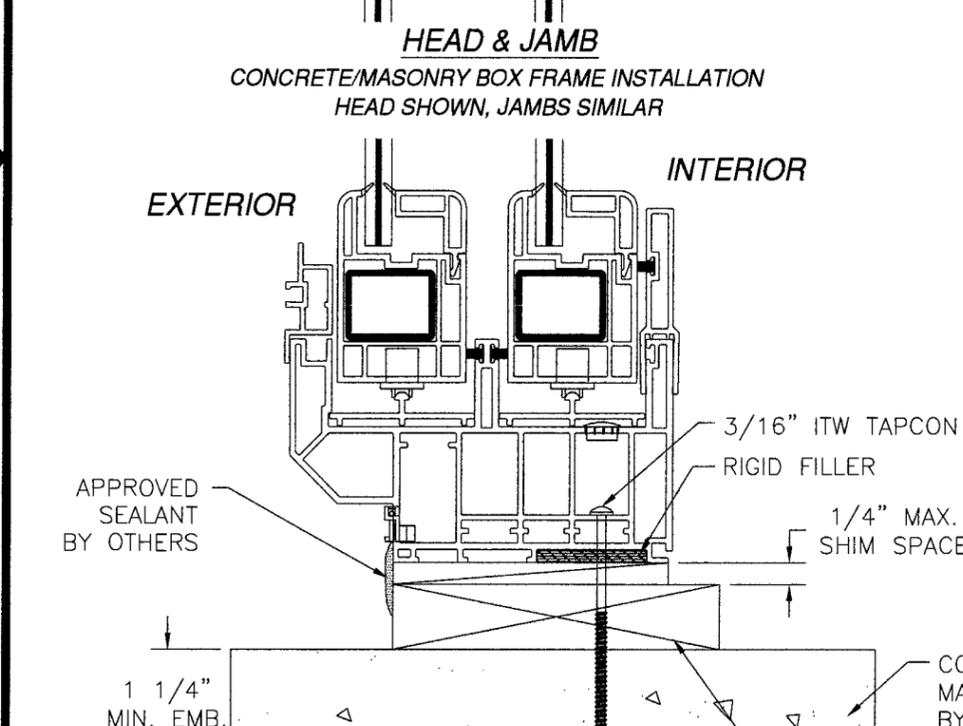
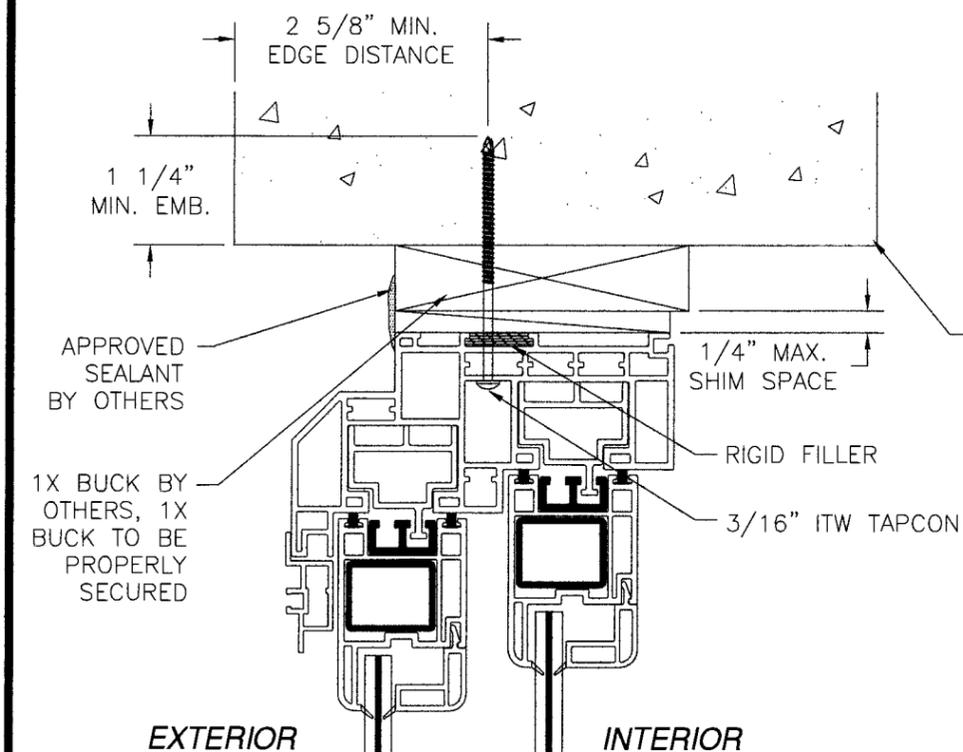
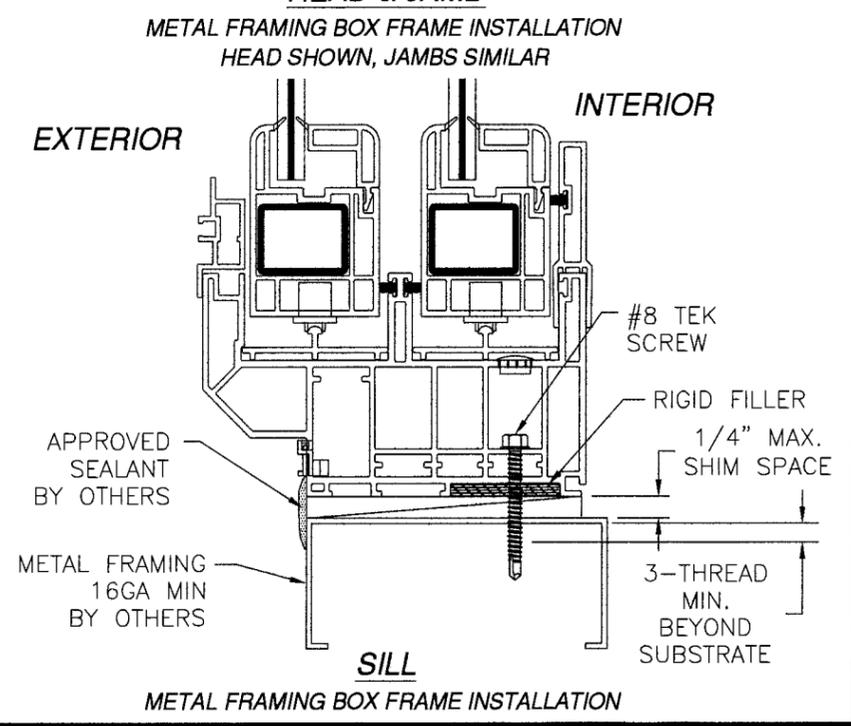
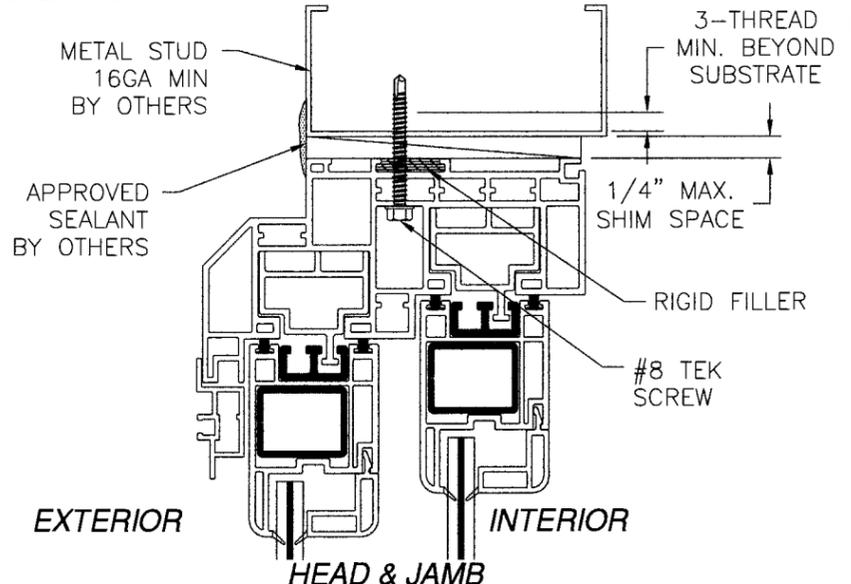
Luis R. Lomas P.E.
 Florida No. 62514



Approved as complying with the Florida Building Code Date: DEC 23 2010 By: Manuel Perez		PGT INDUSTRIES 1070 TECHNOLOGY DRIVE NOKOMIS, FL 34275	 9/27/10
2LT HR2710M PVC HORIZONTAL ROLLER WINDOW LMI 74 1/4" x 63 1/4" FLANGE INSTALLATION DETAILS		DRAWN: TJH DWG NO. 08-00882 SCALE NTS DATE 10/27/09 SHEET 3 OF 6	
			REV B Luis R. Lamas P.E. Florida No. 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED MAR. 25, 2010	5/19/10	R.L.
B	REVISED WOOD SCREW EDGE DIST.	09/23/10	R.L.



Approved as complying with the Florida Building Code
 Date **DEC. 23, 2010**
 NDAB **09-1210-08**
 Miami Dade Product Control
 Revises By *Manuel Perez*

PGT INDUSTRIES
 1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

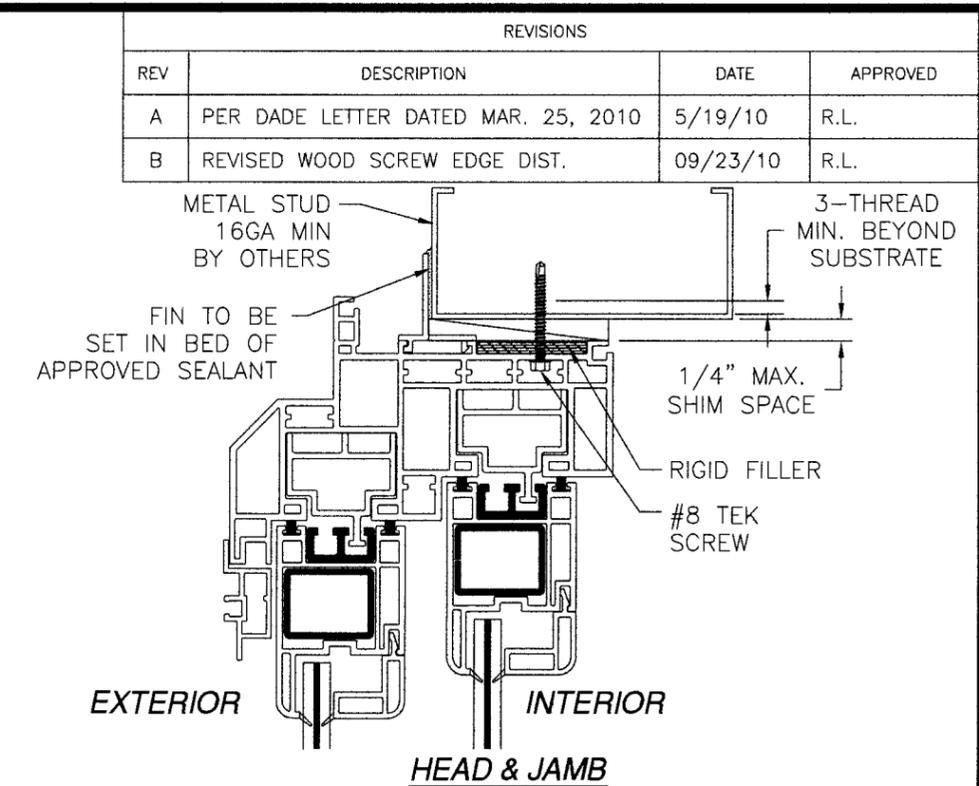
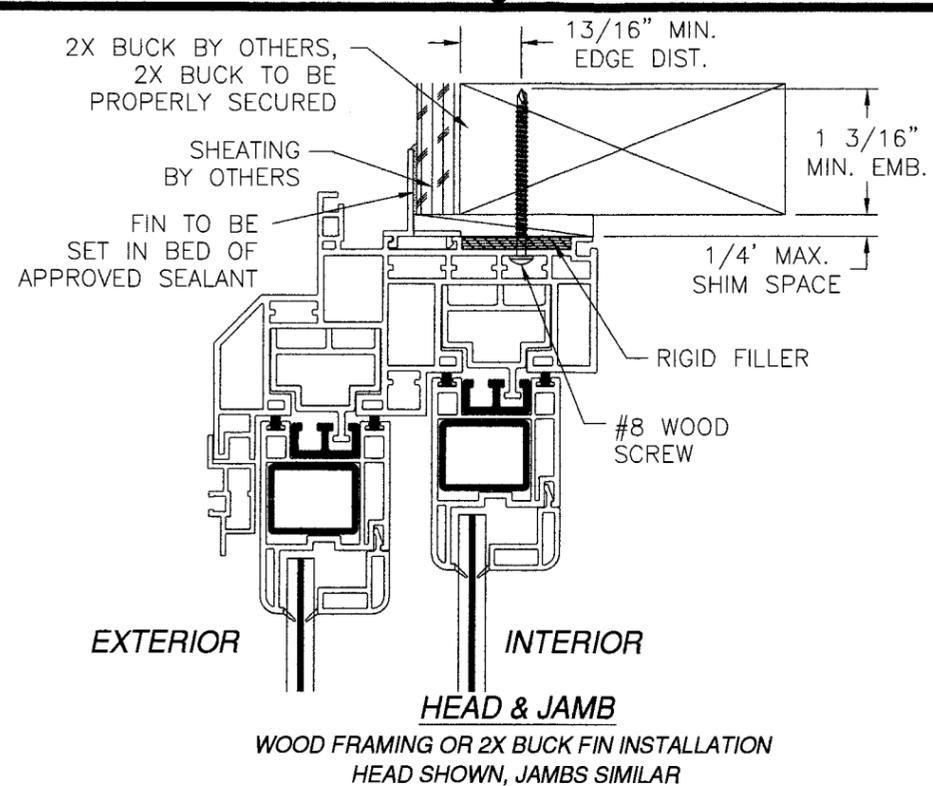
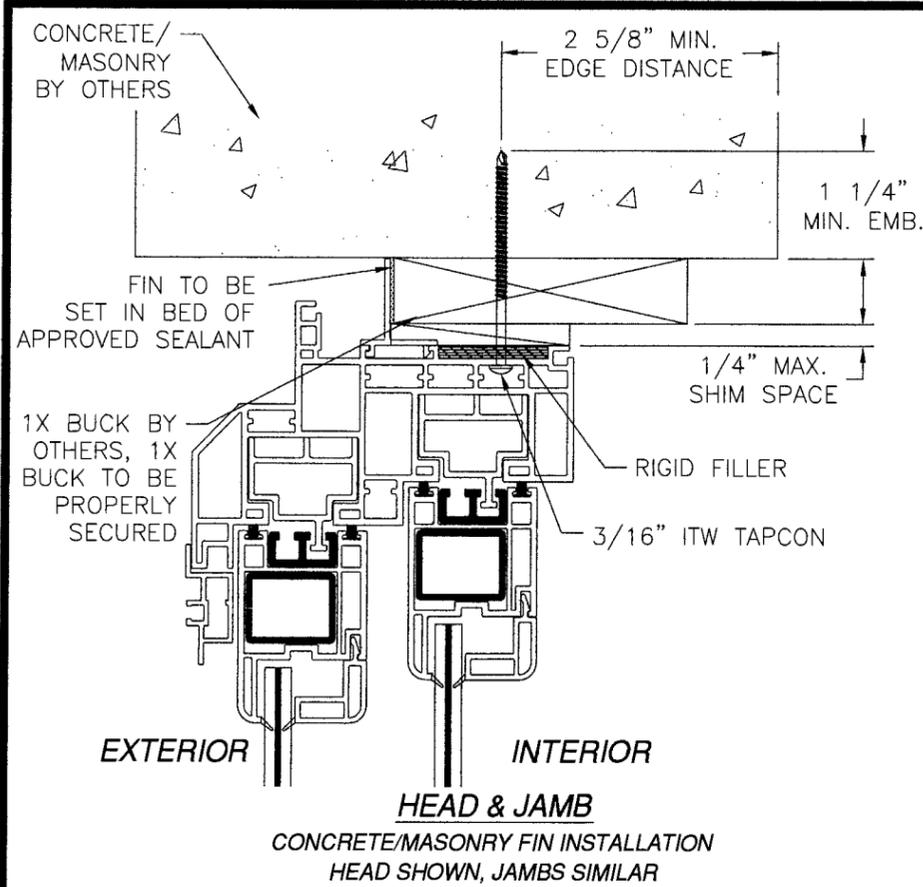
2LT HR2710M PVC HORIZONTAL ROLLER WINDOW LMI
 74 1/4" x 63 1/4"
 BOX FRAME INSTALLATION DETAILS

DRAWN: TJH DWG NO. 08-00882 REV B

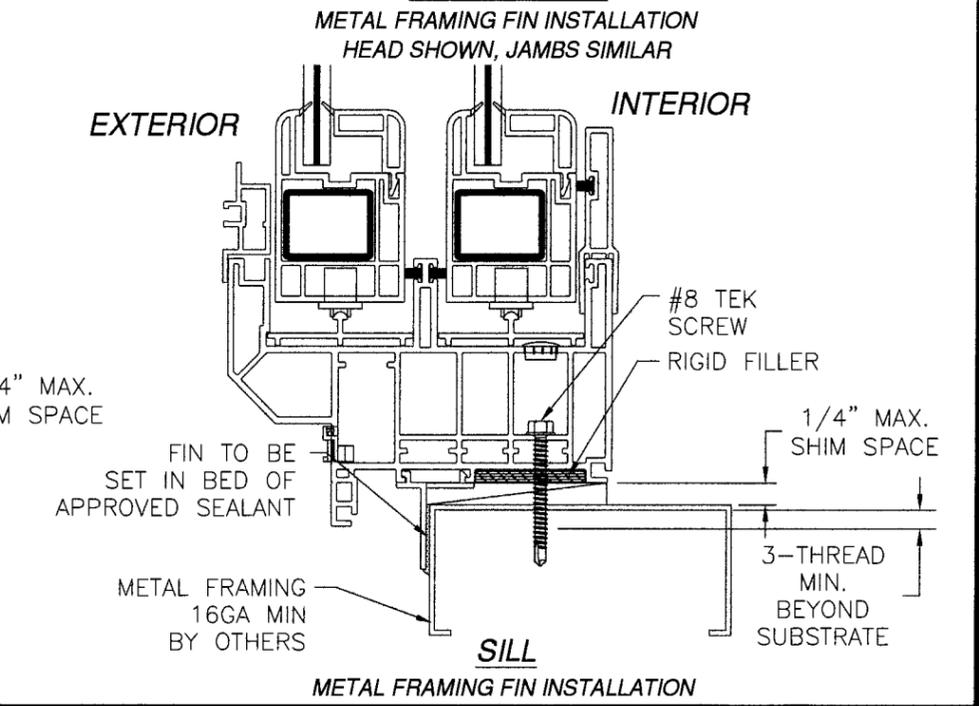
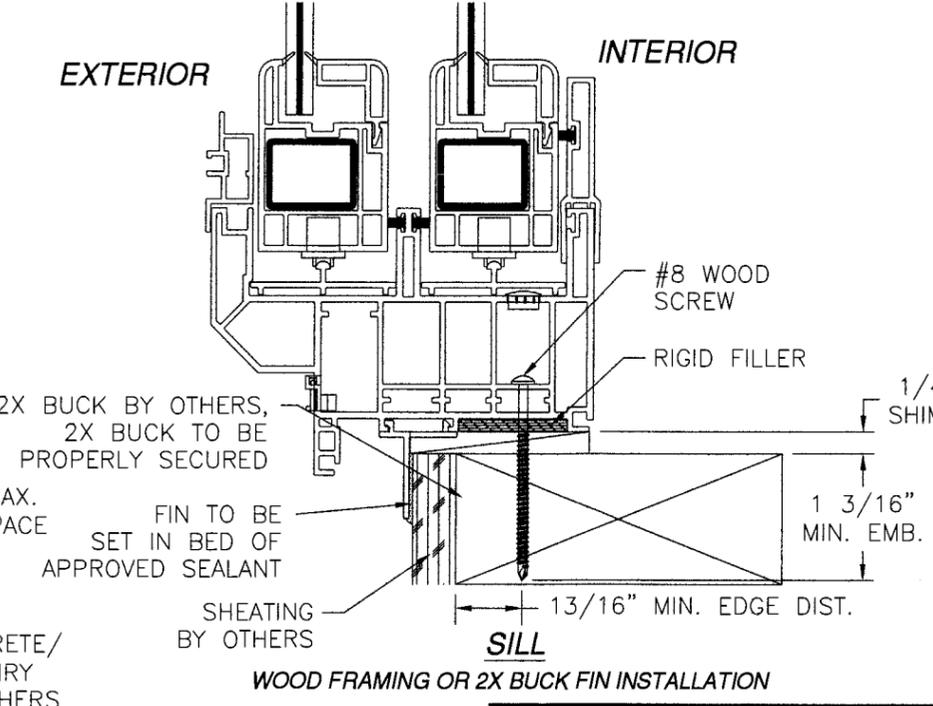
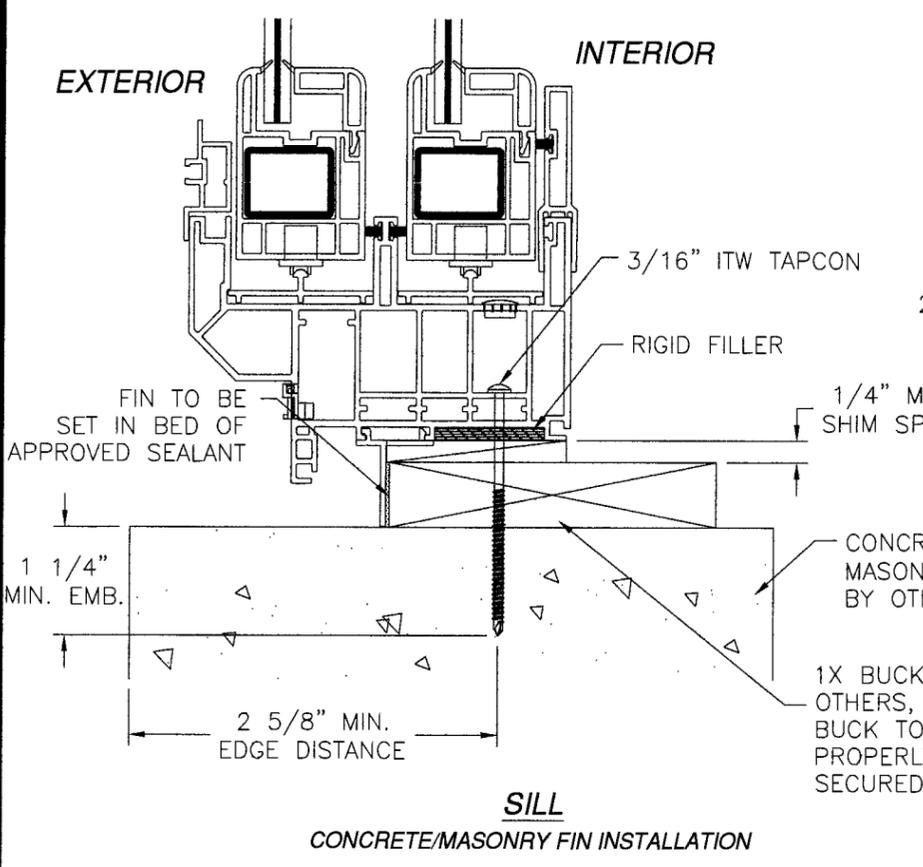
SCALE NTS DATE 10/27/09 SHEET 4 OF 6

Luis R. Lomas
 9/27/10

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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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B	REVISED WOOD SCREW EDGE DIST.	09/23/10	R.L.



Approved as complying with the Florida Building Code
 Date: **DEC. 13, 2010**
 N/A: **09-1210.08**
 Miami Dade Product Control
 By: *Manuel Perez*

PGT INDUSTRIES
 1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275

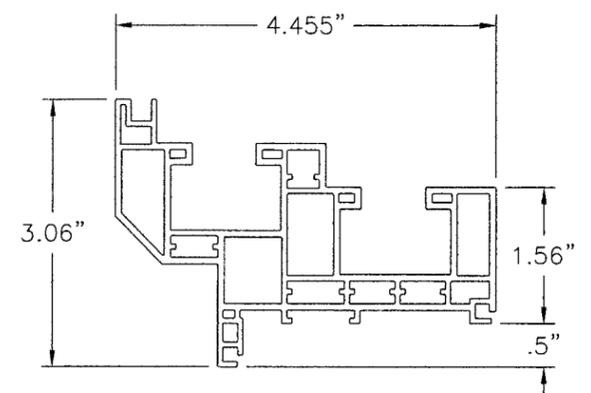
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 74 1/4" x 63 1/4"
 FIN INSTALLATION DETAILS

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 SCALE NTS DATE 10/27/09 SHEET 5 OF 6

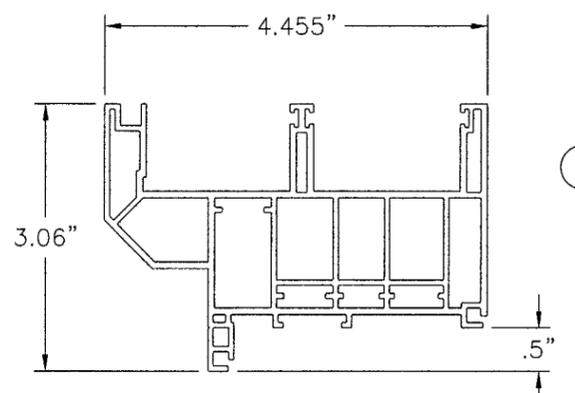
Luis R. Lomas
 9/27/10

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

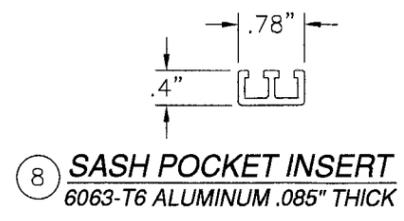
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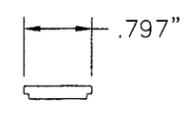
① **FRAME HEAD**
RIGID PVC .075" THICK



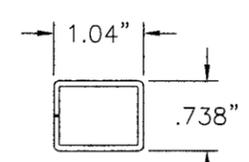
② **FRAME SILL AND JAMB**
RIGID PVC .075" THICK



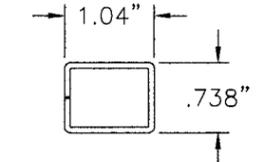
⑧ **SASH POCKET INSERT**
6063-T6 ALUMINUM .085" THICK



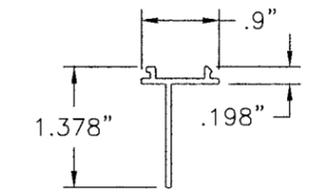
⑩⑥ **RIGID FILLER**
NEOPRENE .15" THICK



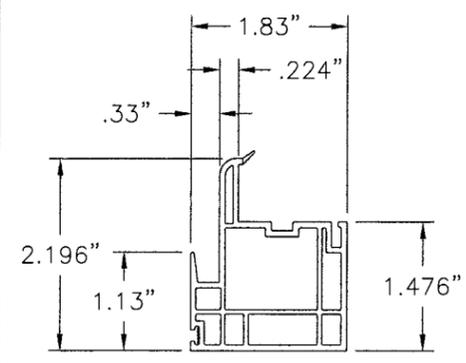
⑩④ **SASH REINFORCEMENT**
16GA GALVANIZED STEEL .064" THICK



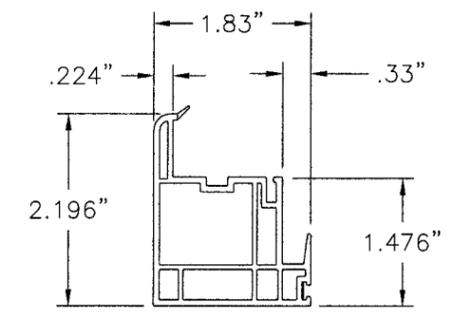
⑩⑤ **SASH REINFORCEMENT**
14GA GALVANIZED STEEL .079" THICK



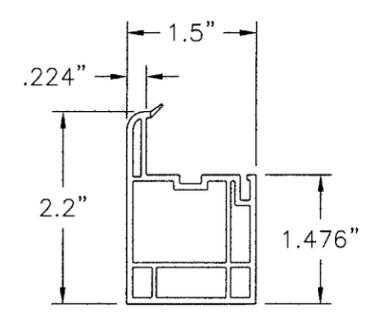
⑩③ **FIN ADAPTER**
RIGID PVC .062" THICK



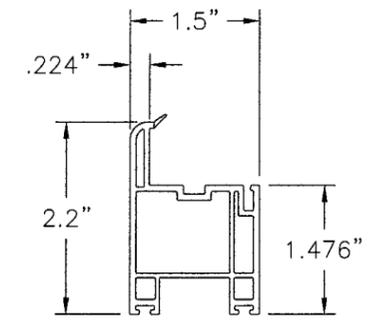
⑩⑦ **SASH INTERNAL INTERLOCK**
RIGID PVC .07" THICK



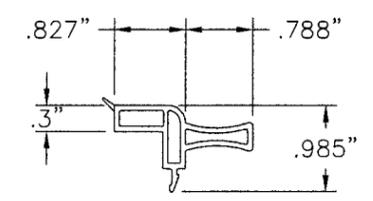
⑩⑨ **SASH EXTERNAL INTERLOCK**
RIGID PVC .07" THICK



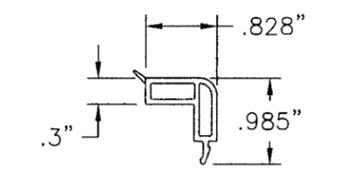
⑩⑥ **SASH VERTICAL PLAIN**
RIGID PVC .07" THICK



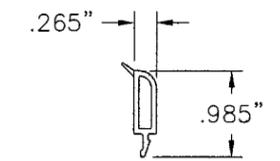
⑩⑤ **SASH HORIZONTAL PLAIN**
RIGID PVC .07" THICK



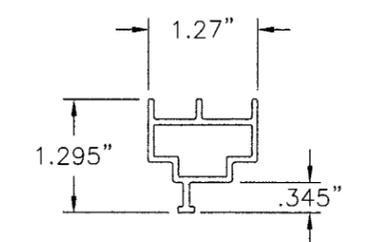
⑩⑪ **SASH 5/16" LIFT BEAD**
RIGID PVC .06" THICK



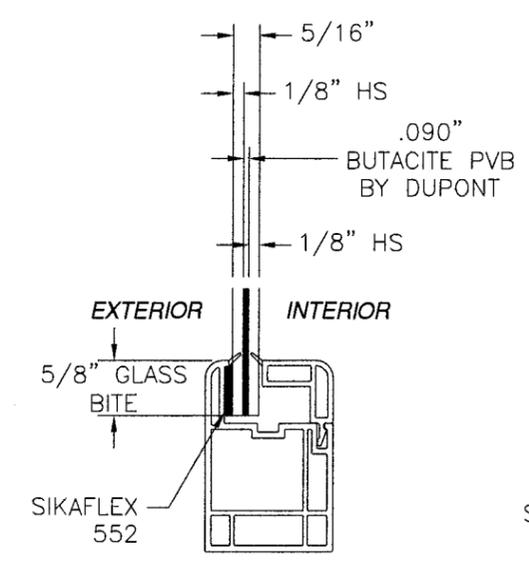
⑩⑩ **SASH 5/16" PLAIN BEAD**
RIGID PVC .06" THICK



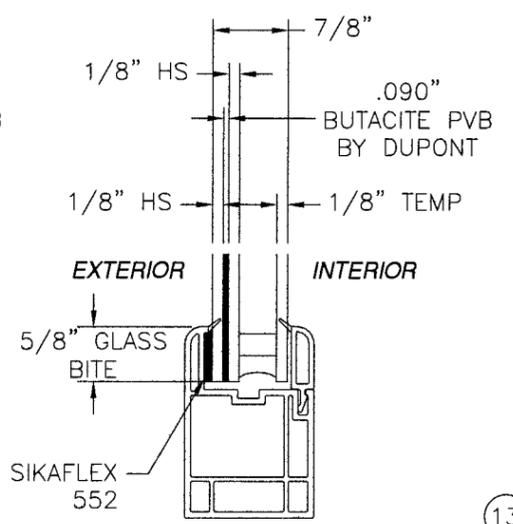
⑩⑬ **SASH 7/8" PLAIN BEAD**
RIGID PVC .06" THICK



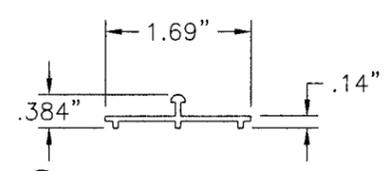
⑩④ **HEADER POCKET INSERT**
6063-T6 ALUMINUM .065" THICK



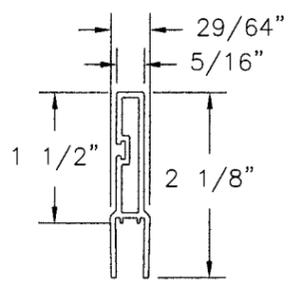
GLASS TYPE A



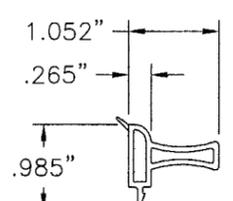
GLASS TYPE B



⑩⑦ **ROLLER TRACK**
ALUMINUM 6063-T6 .06" THICK



⑩④ **1 1/2" SILL RISER**
RIGID PVC .060 THICK



⑩⑬ **SASH 7/8" LIFT BEAD**
RIGID PVC .06" THICK

Approved as complying with the Florida Building Code
Date: **DEC. 23, 2010**
NCA# **09-1210-08**
Miami Dade Product Control
By: *Manuel Perez*

PGT INDUSTRIES
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275

2LT HR2710M PVC HORIZONTAL ROLLER WINDOW LMI
74 1/4" x 63 1/4"
COMPONENTS AND GLAZING DETAILS

DRAWN: TJH DWG NO. 08-00882 REV B

SCALE NTS DATE 10/27/09 SHEET 6 OF 6

Luis R. Lomas
9/27/10

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