



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
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[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**NOTICE OF ACCEPTANCE (NOA)**

**WinDoor, Inc.**  
7500 Amsterdam Drive  
Orlando, FL 32832

**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 PERA - 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. PERA 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 "V-100 Tilt-Turn" White PVC Dual Action Window – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 08-00991, titled "Series V-100 PVC Dual Action Tilt-Turn Window – Large Missile Impact", sheets 1 through 16 of 16, dated 05/18/10 with revision A dated 10/07/10, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-0628.01 and 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.**



*MP*  
3/26/12

NOA No. 12-0130.17  
Expiration Date: November 24, 2015  
Approval Date: April 05, 2012  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **08-00991**, Sheets 1 through 16 of 16, titled "Series V-100 PVC Dual Action Tilt-Turn Window – Large Missile Impact", dated 05/18/10 with revision A dated 10/07/10, 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: series V100 tilt and turn PVC windows, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3658-1**, dated 01/19/10, signed and sealed by Gerard J. Ferrara, P.E.  
*(Submitted under previous NOA No. 10-0628.01)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 05/18/10, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM E1300-04. *(Submitted under NOA No. 10-0628.02)*

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

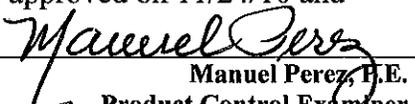
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.

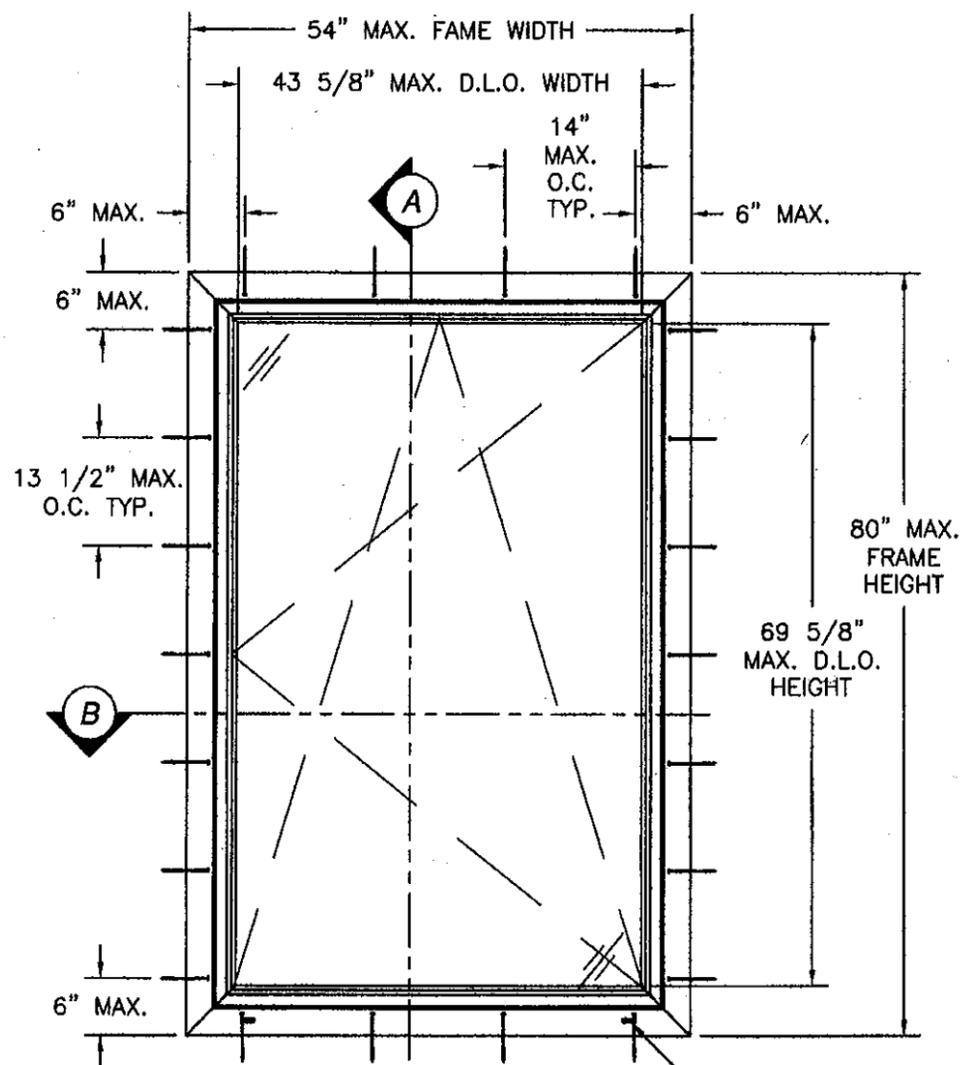
**F. STATEMENTS**

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated January 19, 2012, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letter for Test Report No. **NCTL-210-3658-1**, issued by National Certified Testing Laboratories, dated 06/07/10, signed and sealed by Gerard J. Ferrara, P.E. *(Submitted under previous NOA#10-0628.01)*

**G. OTHER**

1. Notice of Acceptance No. **10-0628.01**, issued to WinDoor, Inc. for their Series "V-100 Tilt-Turn" White PVC Dual Action Window – L.M.I., approved on 11/24/10 and expiring on 11/24/15.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0130.17  
Expiration Date: November 24, 2015  
Approval Date: April 05, 2012



**SERIES V-100 PVC DUAL ACTION  
TILT-TURN WINDOW FULL LITE**  
EXTERIOR VIEW

WEEP SLOT  
SEE NOTE  
SHEET 2, TYP.

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF	LARGE MISSILE
- 130.0 PSF	IMPACT

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PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0130.17  
Expiration Date NOV. 24, 2015  
By *Manuel Perez*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date *Nov. 24, 2010*  
NOA# *10-0628.01*  
Miami Dade Product Control  
Division  
By *Manuel Perez*

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD FRAMING, 2X BACKED STEEL 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) 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SEPARATION OF DISSIMILAR MATERIALS IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 4) 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.
- 5) FRAME AND SASH MATERIAL: WHITE EXTRUDED RIGID PVC.110" THICK.
- 6) UNITS MUST BE GLAZED PER ASTM E1300 WITH 1" IGU LAMINATED GLASS CONSISTING OF: 3/16" TEMP. (EXTERIOR) - AIR - LAMINATED INTERIOR LITE CONSISTING OF: 1/8" HS - .060" SGP - 1/8" HS.
- 7) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 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 MASONRY USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING INTO 2X WOOD FRAMING OR 2X BUCK OR 2X BACKED 16GA. STEEL FRAMING USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) ALL FASTENERS TO BE CORROSION RESISTANT.
- 12) 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 3,192 PSI.
  - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
  - D. STEEL FRAMING: 2X BACKED 16GA. (.060" MIN.) STEEL FRAMING.
- 13) MAXIMUM SASH SIZE: 50" x 76".

**WinDoor**  
INCORPORATED

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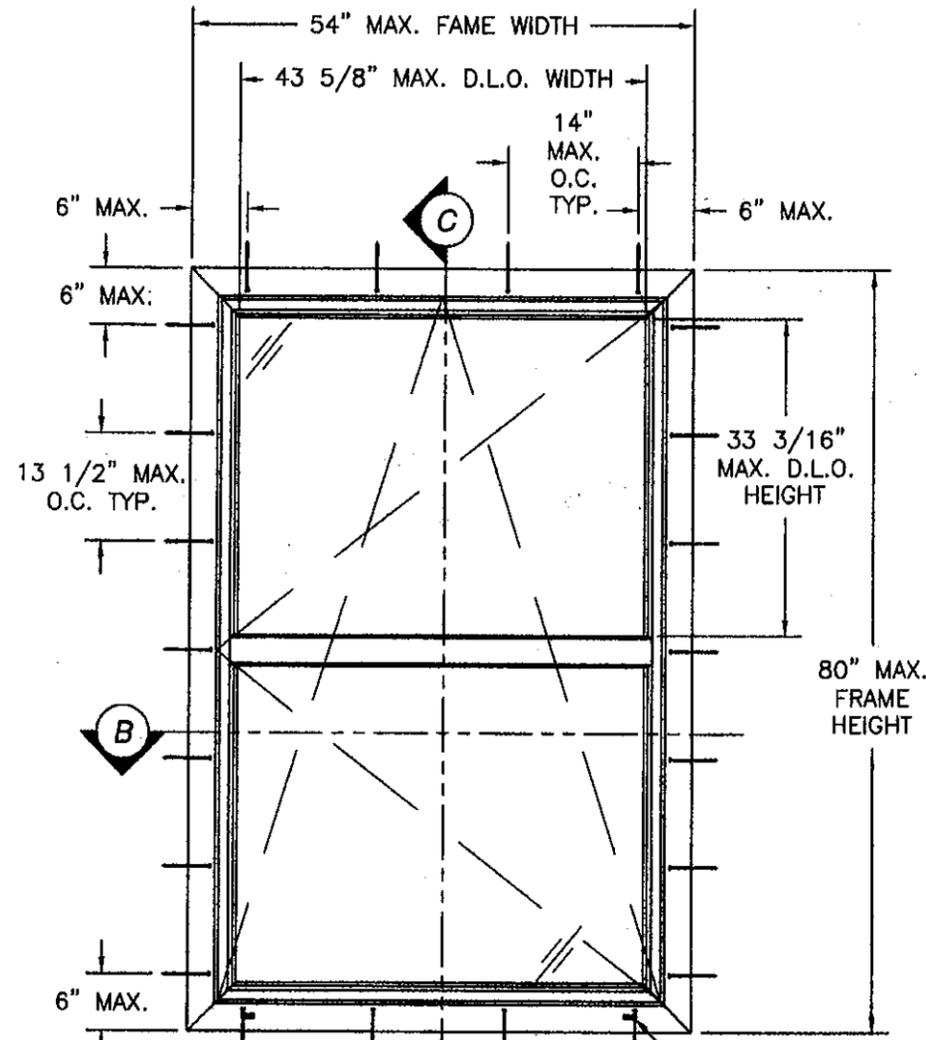
SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
ELEVATION, ANCHORING LAYOUT AND NOTES

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 1 OF 16

*Luis R. Lomas*  
10/24/10

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

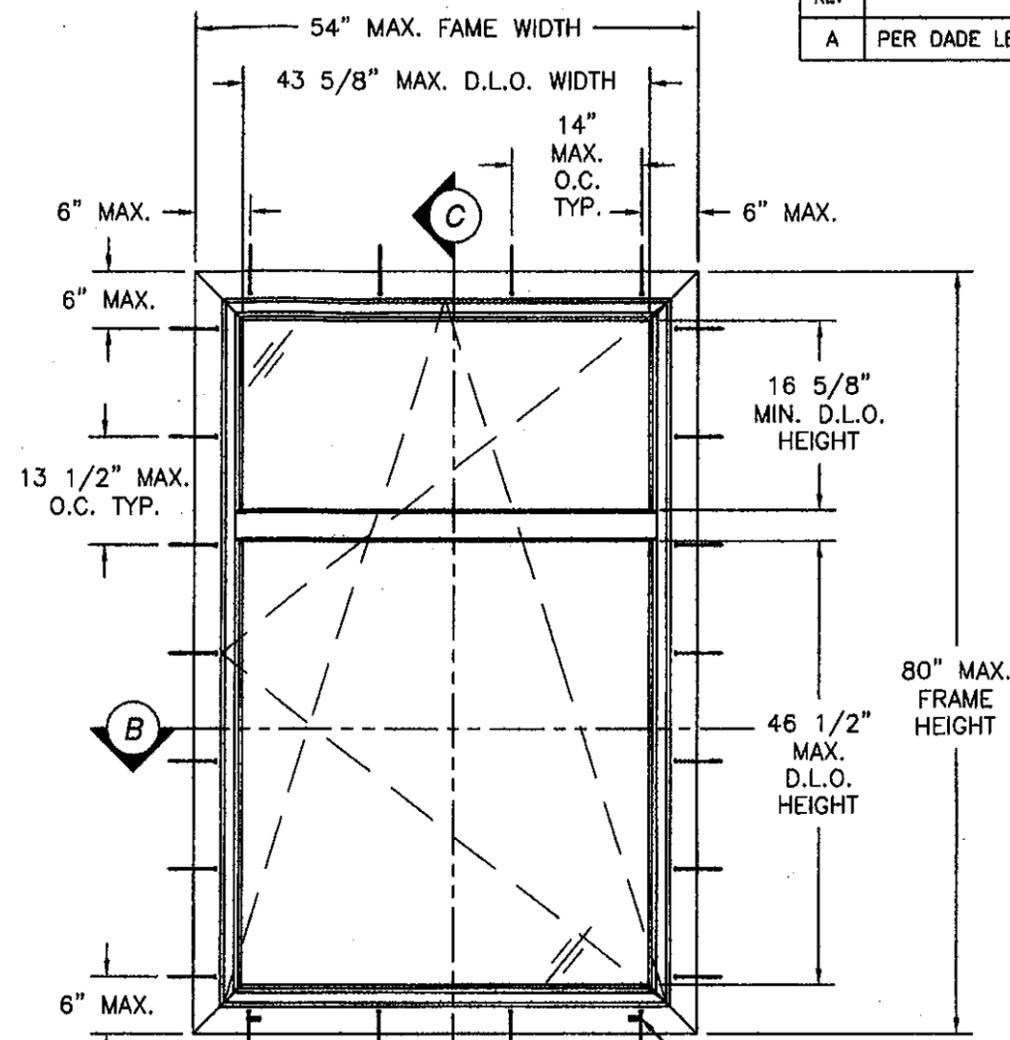
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**SERIES V-100 PVC DUAL ACTION  
TILT-TURN WINDOW W/TRUE DIVIDED  
MUNTIN EQUAL LITE**  
EXTERIOR VIEW

WEEP SLOT  
SEE NOTE  
SHEET 2, TYP.

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF - 130.0 PSF	LARGE MISSILE IMPACT



**SERIES V-100 PVC DUAL ACTION  
TILT-TURN WINDOW W/TRUE DIVIDED  
MUNTIN UNEQUAL LITE**  
EXTERIOR VIEW

WEEP SLOT  
SEE NOTE  
SHEET 2, TYP.

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF - 130.0 PSF	LARGE MISSILE IMPACT

WEEP SLOT NOTE:  
WEEP SLOT IN FRAME MEASURES 1 1/8" WIDE x  
3/16" HIGH. WEEP SLOTS ARE LOCATED 6" IN  
AND 1 7/16" UP FROM EACH CORNER OF THE  
SILL. WEEP SLOTS ARE FITTED WITH A WEEP  
COVER, BILL OF MATERIALS ITEM #22.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0130-17  
Expiration Date Nov. 24, 2015  
By *Manuel Perez*  
Miami Dade Product Control

Approved as complying with the  
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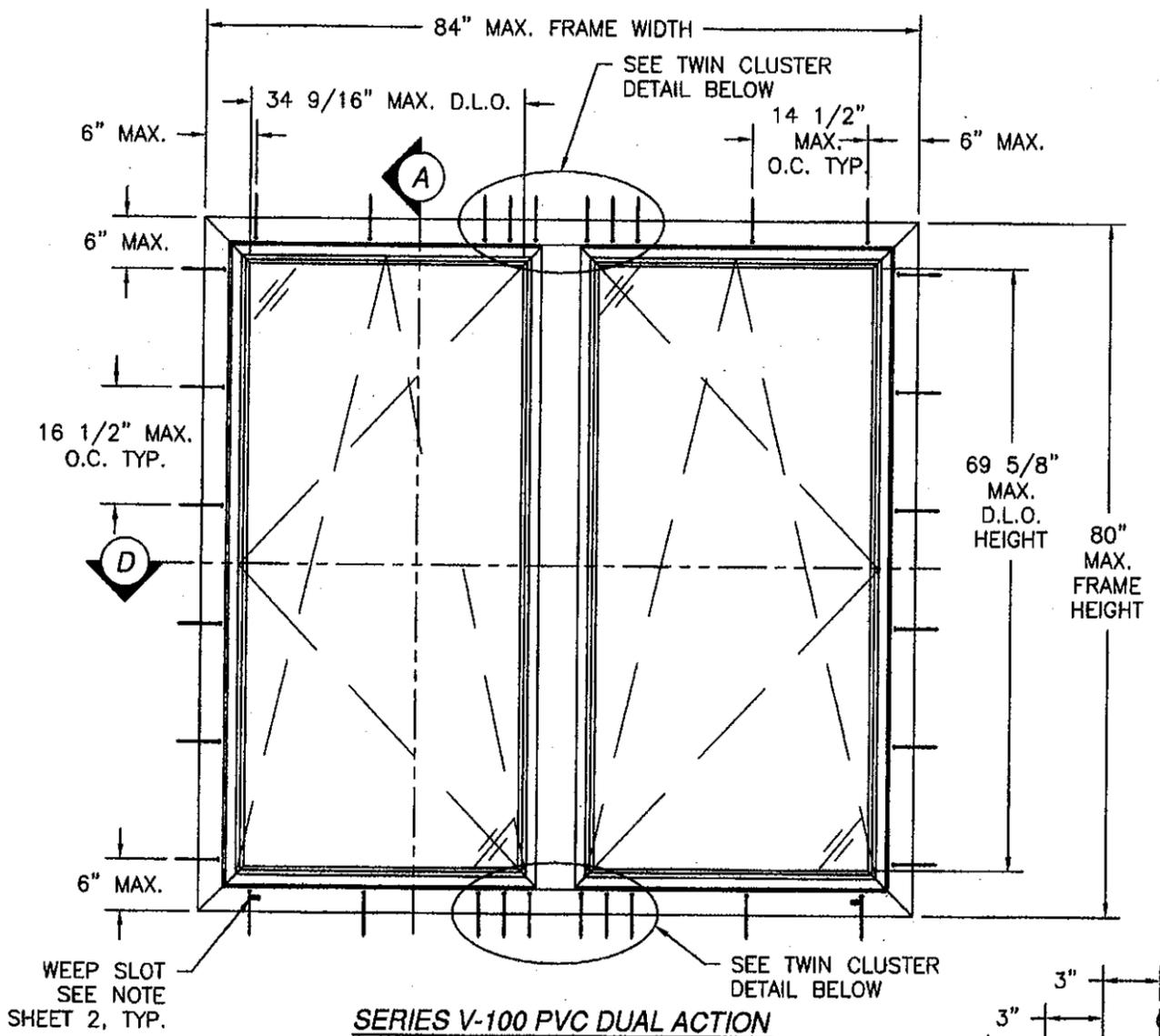
**SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
ELEVATIONS AND ANCHORING LAYOUTS**

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 2 OF 16

*Luis R. Lomas*  
10/07/10

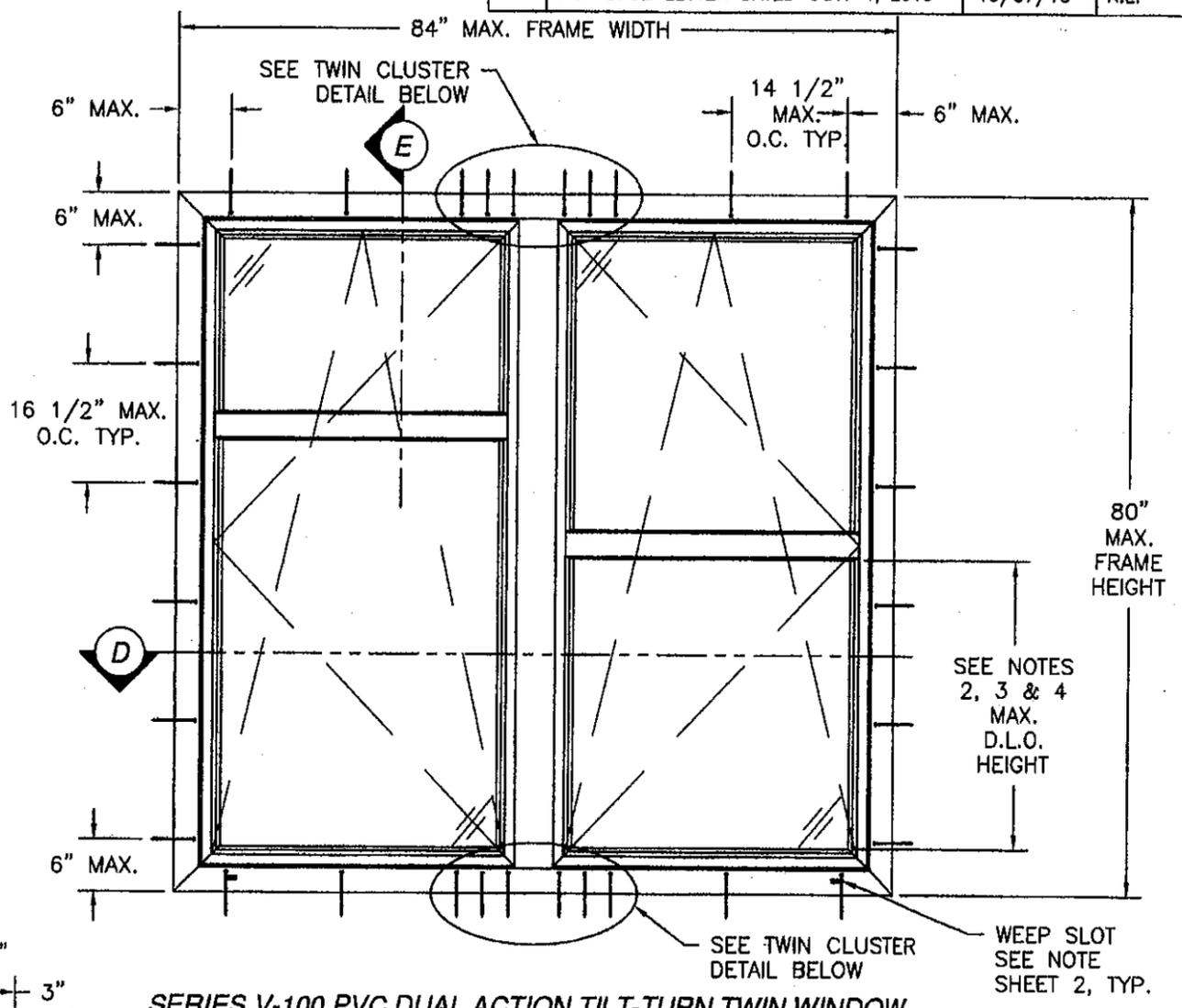
Luis R. Lomas P.E.  
Florida No. 62514

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A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



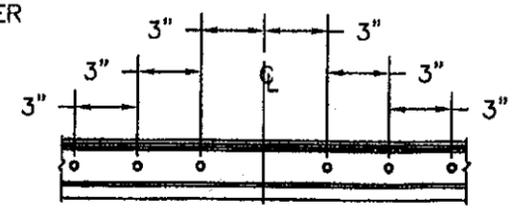
**SERIES V-100 PVC DUAL ACTION  
TILT-TURN TWIN WINDOW FULL LITE  
EXTERIOR VIEW**

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF - 130.0 PSF	LARGE MISSILE IMPACT



**SERIES V-100 PVC DUAL ACTION TILT-TURN TWIN WINDOW  
W/TRUE DIVIDED MUNTIN UNEQUAL AND EQUAL LITE  
EXTERIOR VIEW**

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF - 130.0 PSF	LARGE MISSILE IMPACT



**TWIN CLUSTER DETAIL  
TYPICAL HEAD AND SILL**

**NOTES:**

- 1) TWIN UNIT MAY CONTAIN A COMBINATION OF EQUAL AND/OR UNEQUAL LITES.
- 2) EQUAL LITE MAXIMUM D.L.O. SIZE: 34 9/16" x 33 3/16".
- 3) UNEQUAL LITE MINIMUM D.L.O. SIZE: 32 1/2" x 19 3/4".
- 4) UNEQUAL LITE MAXIMUM D.L.O. SIZE: 32 1/2" x 46 1/2".
- 5) MAXIMUM SINGLE SASH SIZE: 38 3/4" x 76".

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0130-17  
Expiration Date NOV. 24, 2015  
By *Manuel Perez*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date *Nov 24, 2010*  
By *Manuel Perez*

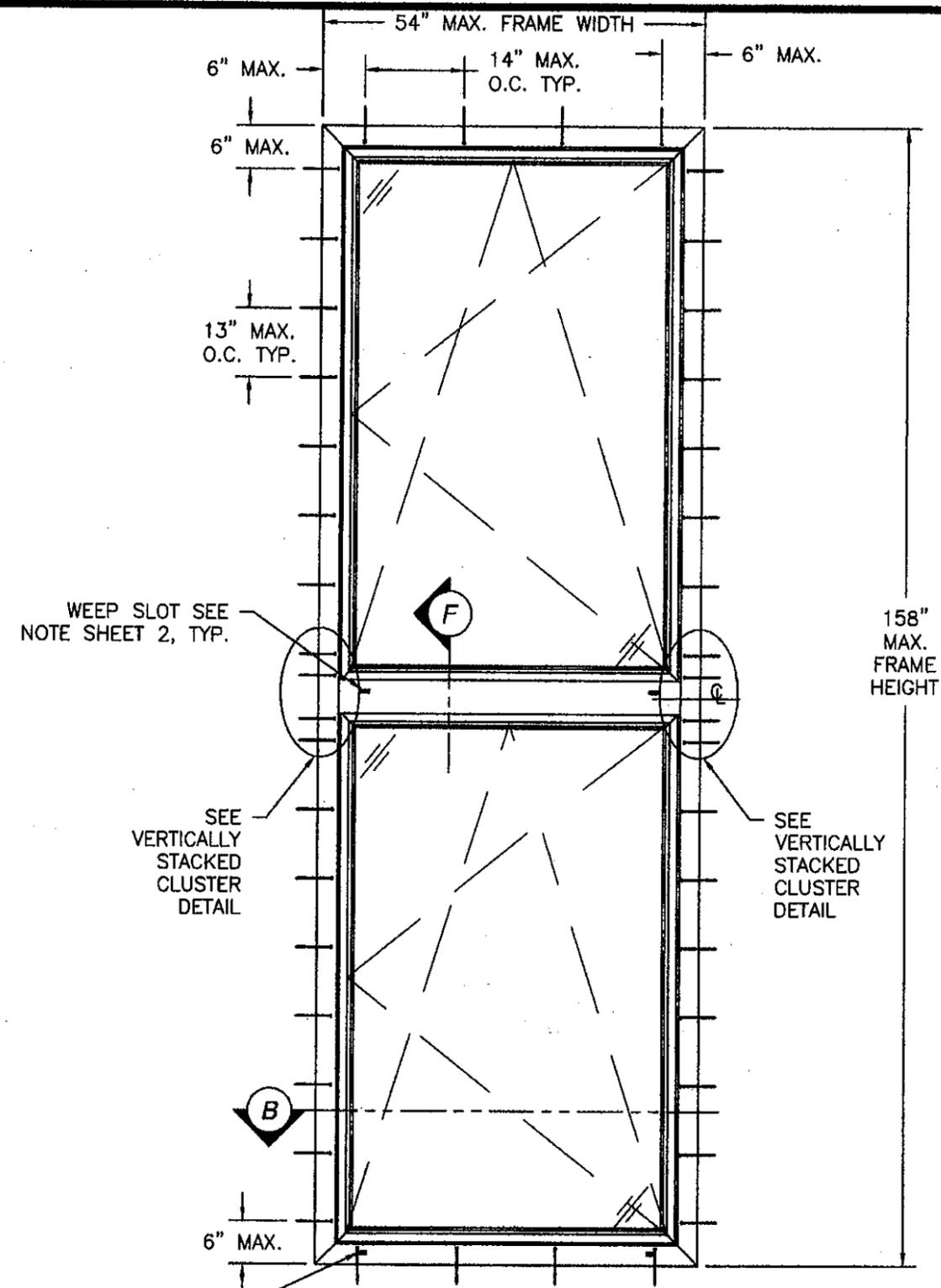
**WinDoor**  
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**SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
ELEVATIONS AND ANCHORING LAYOUTS**

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 3 OF 16

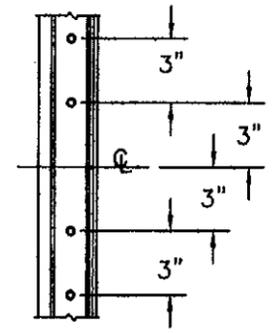
*Luis R. Lomas*  
10/07/10

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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.

- NOTES:
- 1) FULL LITE MAXIMUM D.L.O. SIZE: 43 5/8" x 69 5/8".
  - 2) MAXIMUM SINGLE SASH SIZE: 50" x 76".



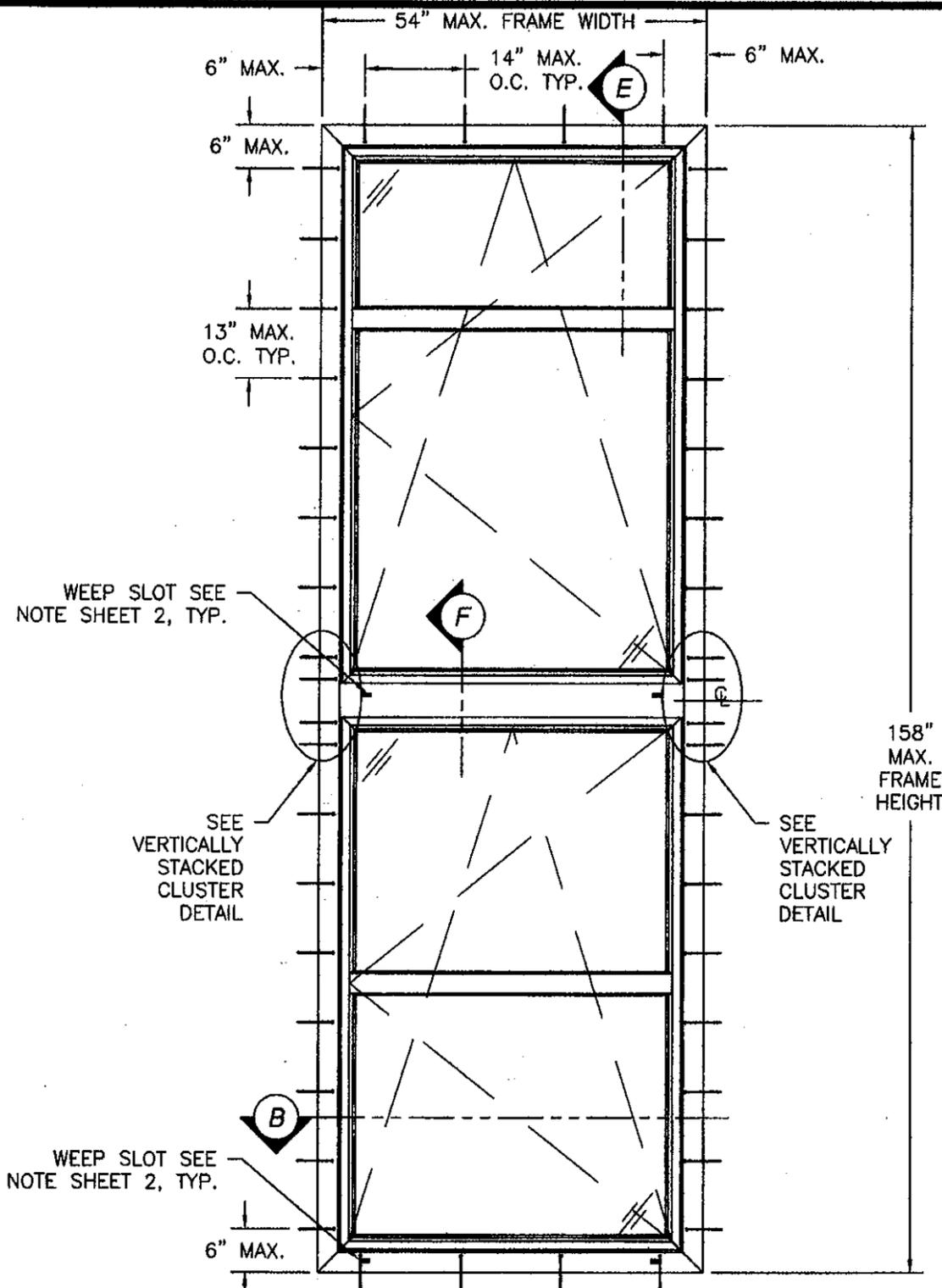
VERTICALLY STACKED CLUSTER DETAIL

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-0130.17  
 Expiration Date NOV. 24, 2015  
 By *Manuel Perez*  
 Miami/Dade Product Control

WEEP SLOT SEE NOTE SHEET 2, TYP. **SERIES V-100 PVC DUAL ACTION TILT-TURN VERTICALLY STACKED WINDOW FULL LITE**  
 EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF - 130.0 PSF	LARGE MISSILE IMPACT

Approved as complying with the Florida Building Code Date: <u>Nov. 24, 2010</u> No. <u>10-0628.01</u> Miami/Dade Product Control By: <i>Manuel Perez</i>	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	<i>Luis R. Lomas</i> 10/26/10 Luis R. Lomas P.E. Florida No. 62514
	<b>SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT ELEVATION AND ANCHORING LAYOUT</b>	
DRAWN: TJH SCALE: NTS	DWG NO. 08-00991 DATE: 05/18/10	REV A SHEET 4 OF 16



WEEP SLOT SEE NOTE SHEET 2, TYP.

SEE VERTICALLY STACKED CLUSTER DETAIL

WEEP SLOT SEE NOTE SHEET 2, TYP.

SEE VERTICALLY STACKED CLUSTER DETAIL

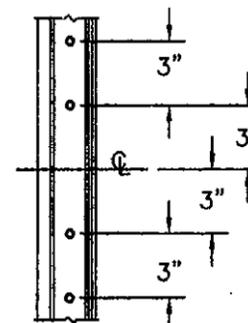
**SERIES V-100 PVC DUAL ACTION TILT-TURN VERTICALLY STACKED WINDOW W/TRUE DIVIDED MUNTIN UNEQUAL AND EQUAL LITE**  
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
+ 100.0 PSF - 130.0 PSF	LARGE MISSILE IMPACT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.

**NOTES:**

- 1) STACKED UNIT MAY CONTAIN A COMBINATION OF EQUAL AND/OR UNEQUAL LITES.
- 2) EQUAL LITE MAXIMUM D.L.O. SIZE: 43 5/8" x 33 3/16".
- 3) UNEQUAL LITE MINIMUM D.L.O. SIZE: 43 5/8" x 19 3/4".
- 4) UNEQUAL LITE MAXIMUM D.L.O. SIZE: 43 5/8" x 46 1/2".
- 5) MAXIMUM SINGLE SASH SIZE: 50" x 76".



**VERTICALLY STACKED CLUSTER DETAIL**

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 12-0130.17  
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By *Manuel Perez*  
Miami Dade Product Control

Approved as complying with the Florida Building Code  
Date Nov. 24, 2010  
NOA# 10-0625.01  
Miami Dade Product Control Division  
By *Manuel Perez*

**WinDoor INCORPORATED**

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**SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT ELEVATION AND ANCHORING LAYOUT**

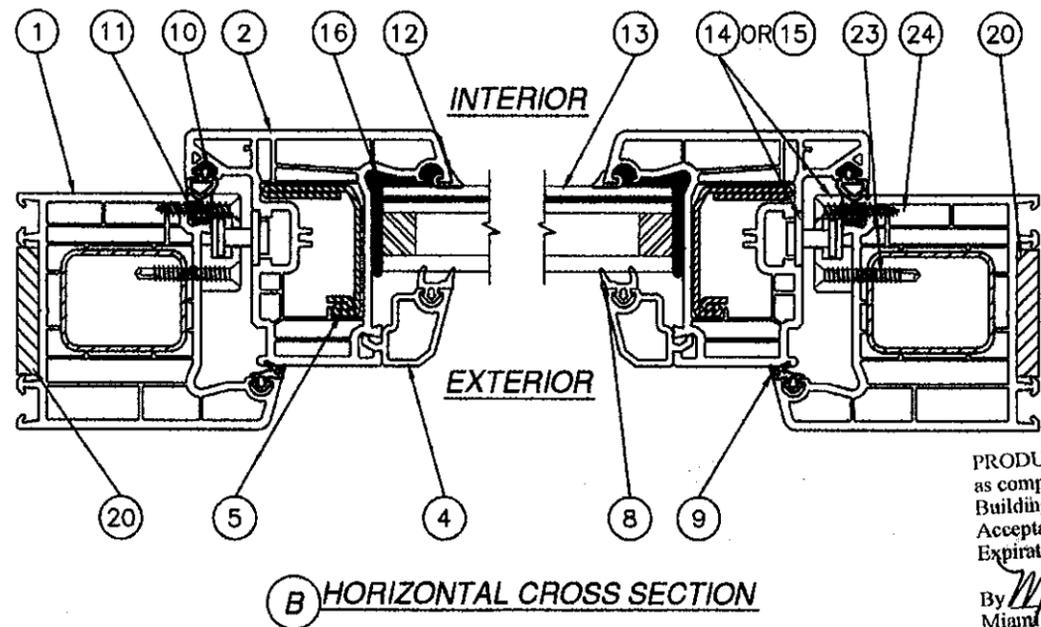
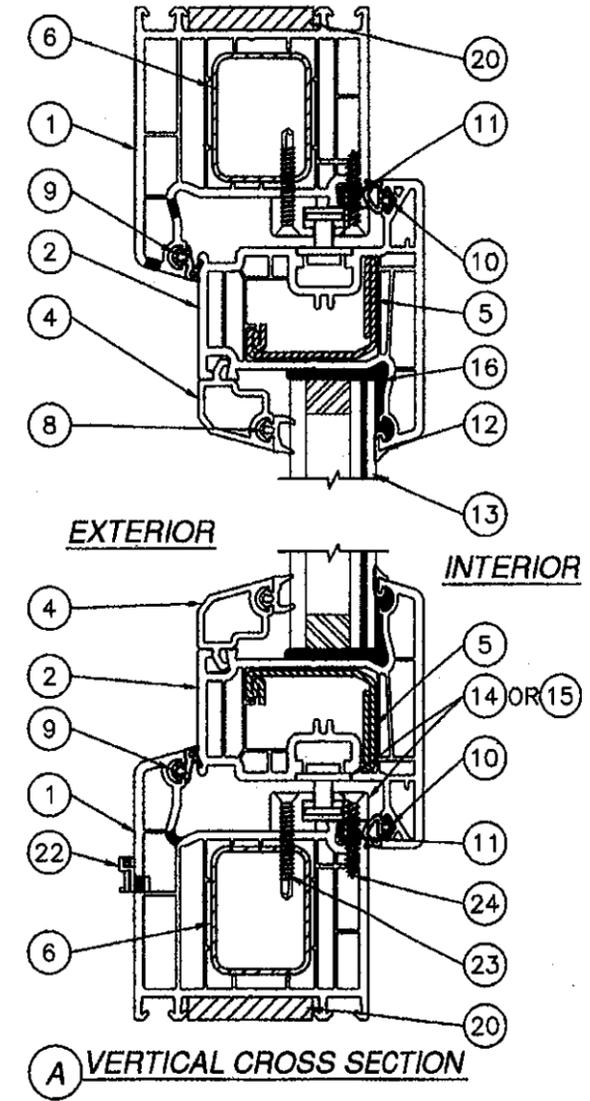
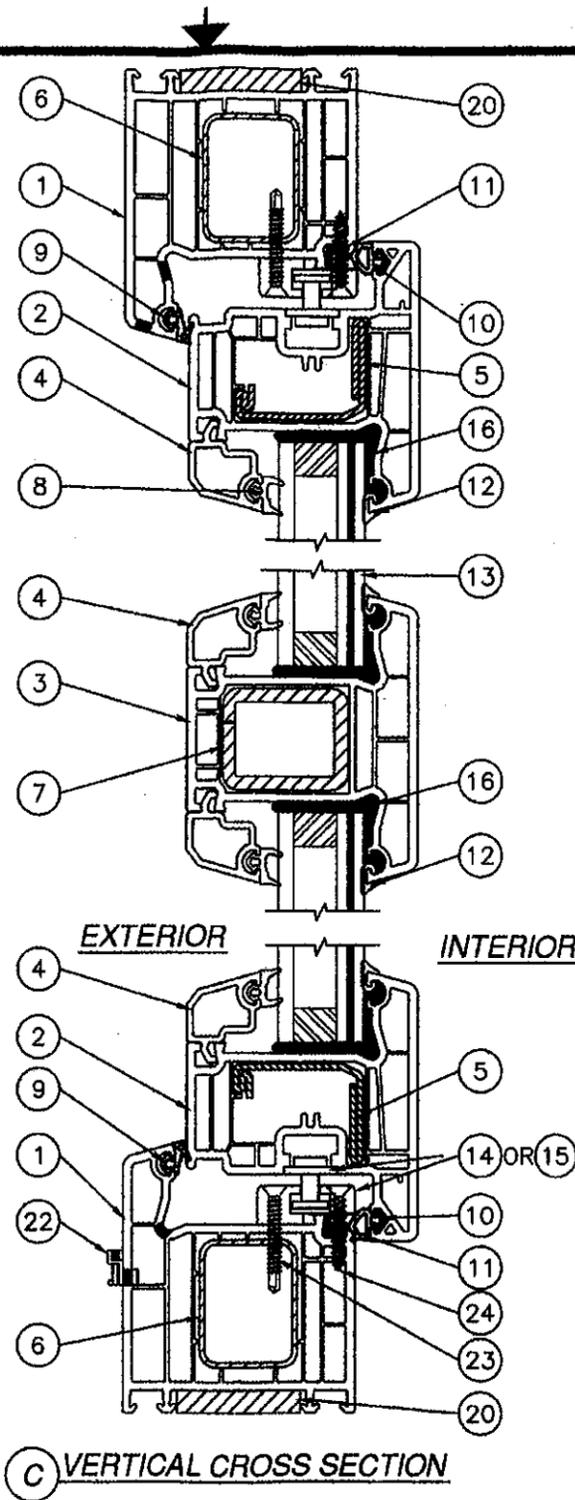
DRAWN: TJH	DWG. NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 5 OF 16

*Luis R. Lomas*  
10/22/10

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

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	100.214	FRAME, HEAD, SILL AND JAMB	VEKA	RIGID PVC
2	103.228	PANEL FRAME, STILE AND RAIL	VEKA	RIGID PVC
3	102.218	85 MM T MULLION	VEKA	RIGID PVC
4	107.200	1" GLAZING BEAD	VEKA	RIGID PVC
5	113.294.000.000	18GA. SASH REINFORCEMENT	VEKA	G90 GALVAN. STEEL
6	113.271.1 SO M	18GA. FRAME REINFORCEMENT	VEKA	G90 GALVAN. STEEL
7	113.271.400.000 PC	9GA. T MULLION REINFORCEMENT	VEKA	G90 GALVAN. STEEL
8	112.050	GLAZING GASKET	VEKA	EPDM DUROMETR 60
9	112.253	GLAZING GASKET	VEKA	EPDM DUROMETR 60
10	112.245	GLAZING GASKET	VEKA	EPDM DUROMETR 60
11	112.380	FILLER PROFILE	VEKA	EPDM DUROMETR 60
12	V200-AC-01	VENT GLAZING LEG ADAPTOR		EPDM DUROMETR 60
13		1" LARGE MISSILE GLASS		
14		MULTI-POINT TILT-TURN HARDWARE	ROTO	
15		MULTI-POINT TILT-TURN HARDWARE	SIEGENIA	
16	SIKAFAST 552	GLAZING COMPOUND	SIKA	URETHANE
17	141.314	CONNECTOR		ZINC DIECAST
18	106.086	SEALING PAD		
19		#10 PFH TEK SCREW		
20		RIGID FILLER		RIGID PVC
21	102.238	118 MM T MULLION	VEKA	RIGID PVC
22		WEEP COVER		PLASTIC
23		#8 x 1 1/4" TEK SCREW		
24		M4.1 25mm SCREW		

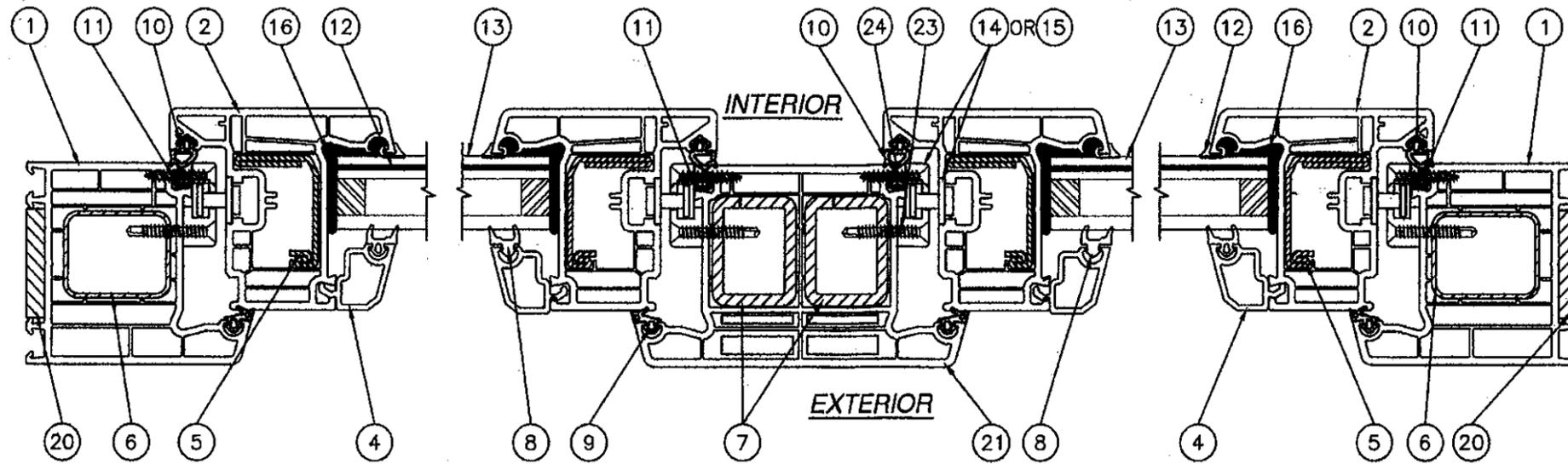
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



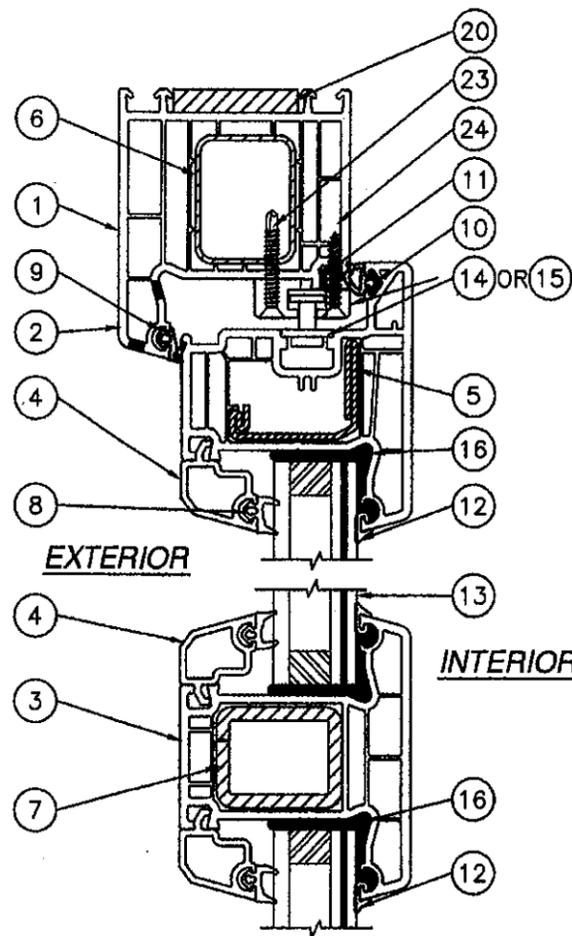
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	SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT BILL OF MATERIALS AND CROSS SECTIONS	
DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 6 OF 16

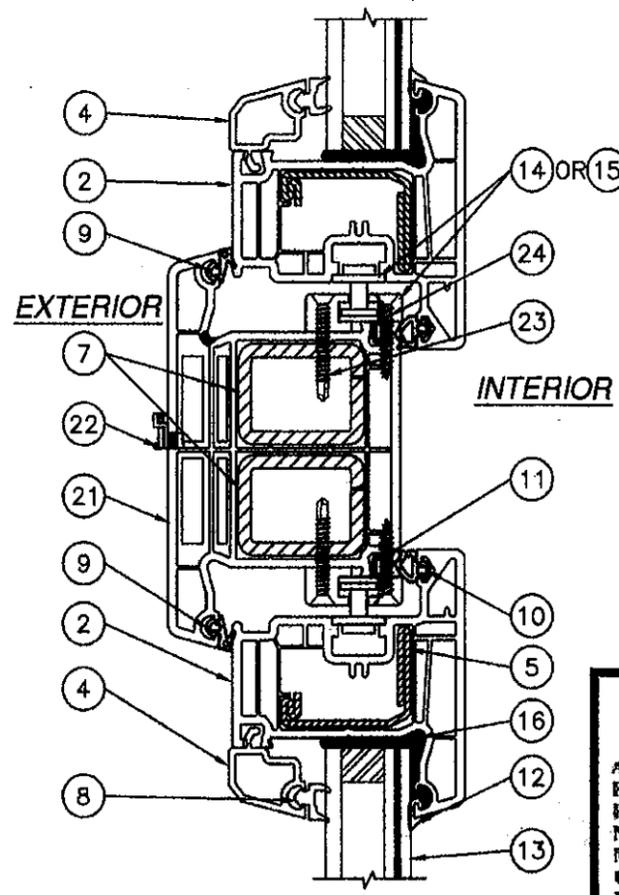
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**(D) HORIZONTAL CROSS SECTION**



**(E) VERTICAL CROSS SECTION**



**(F) VERTICAL CROSS SECTION**

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-0130-17  
 Expiration Date NOV. 24, 2015  
 By Manuel Perez  
 Miami Dade Product Control

Approved as complying with the  
 Florida Building Code  
 Date Nov. 24, 2010  
 No. 10-0628-01  
 Miami Dade Product Control  
 By Manuel Perez

**WinDoor** 7500 AMSTERDAM DRIVE  
**INCORPORATED** ORLANDO, FL 32832  
 Phone: 407.481.8400  
 Fax: 407.481.0505 www.windoorinc.com

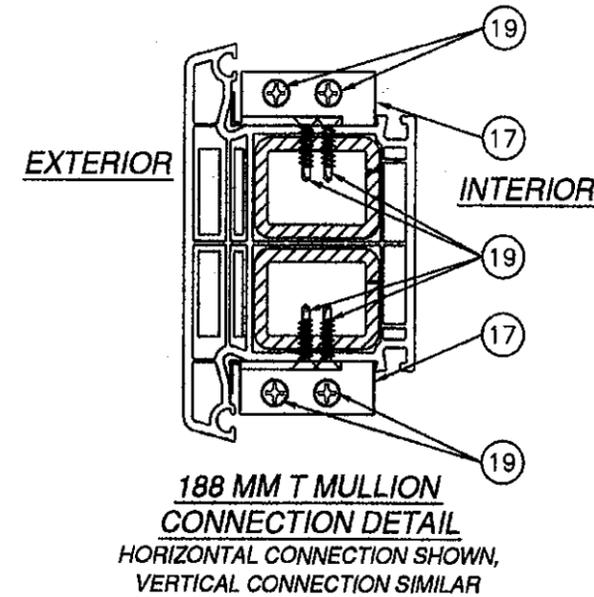
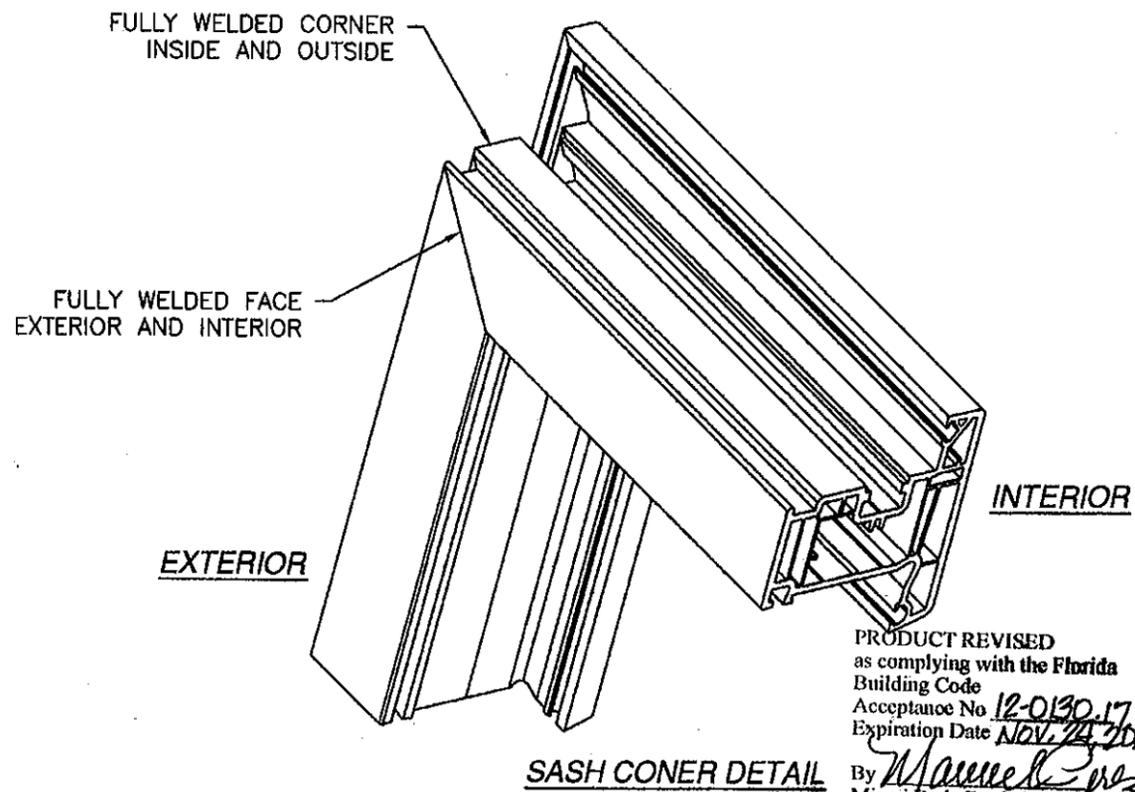
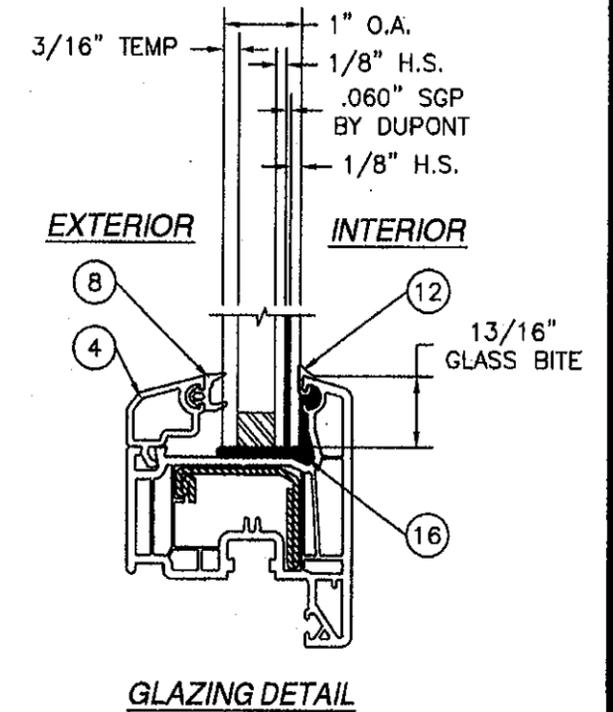
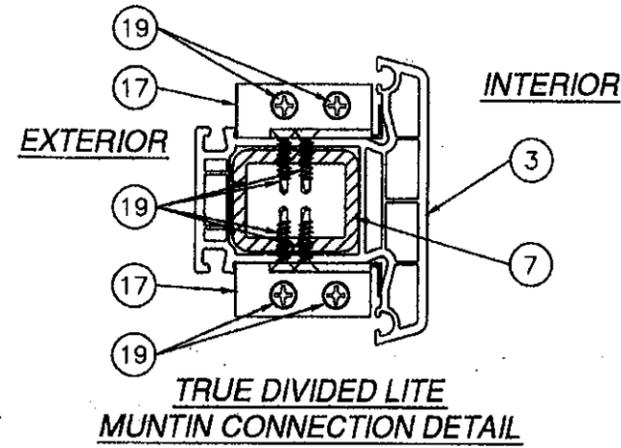
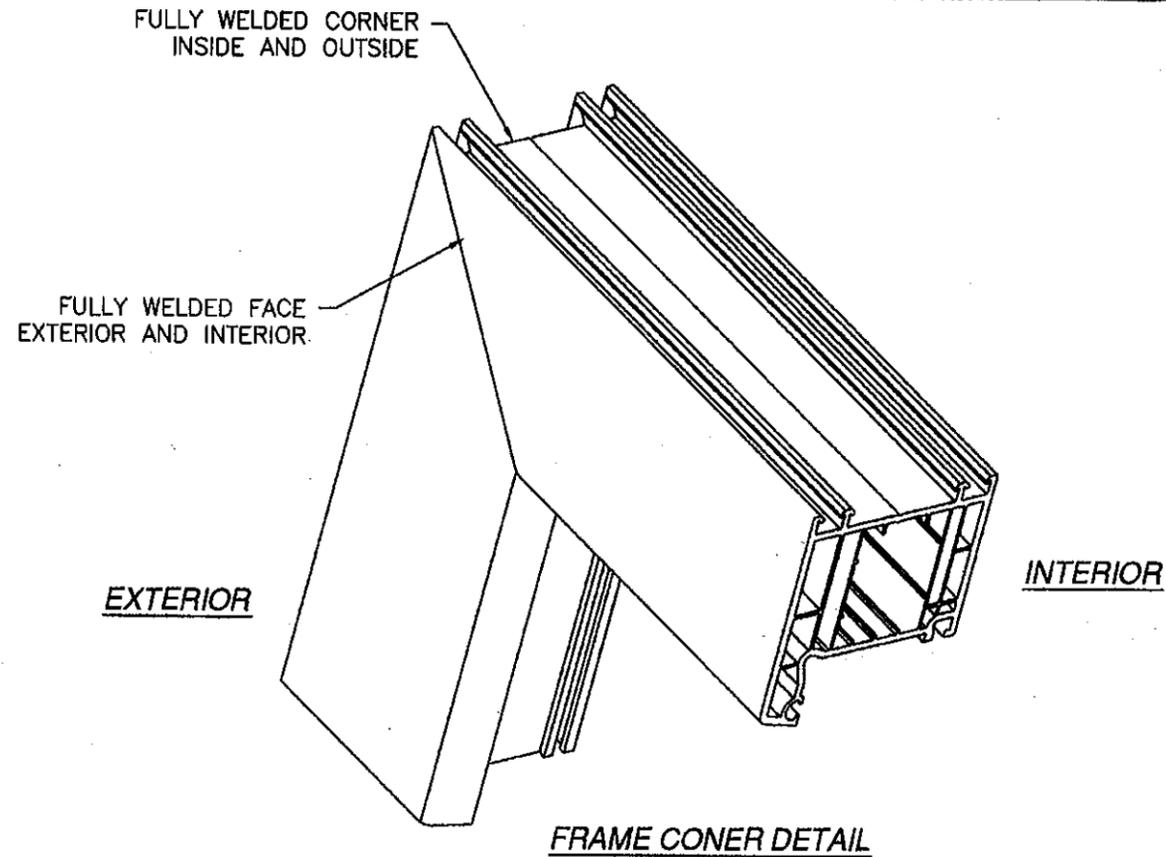
**SERIES V-100 PVC DUAL ACTION TILT-TURN  
 WINDOW - LARGE MISSILE IMPACT  
 CROSS SECTIONS**

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 7 OF 16

*Luis R. Lomas*  
 10/26/10

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

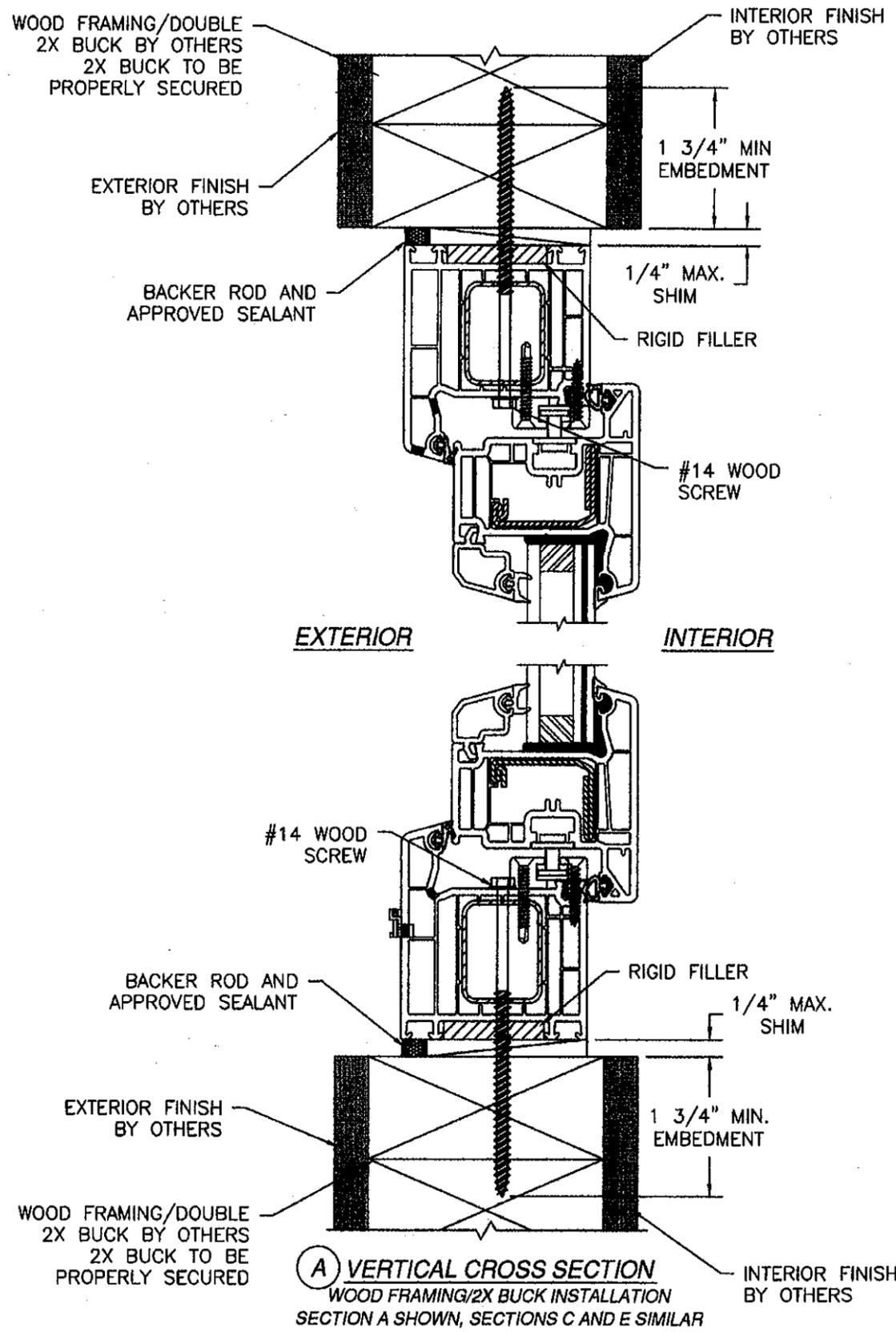
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



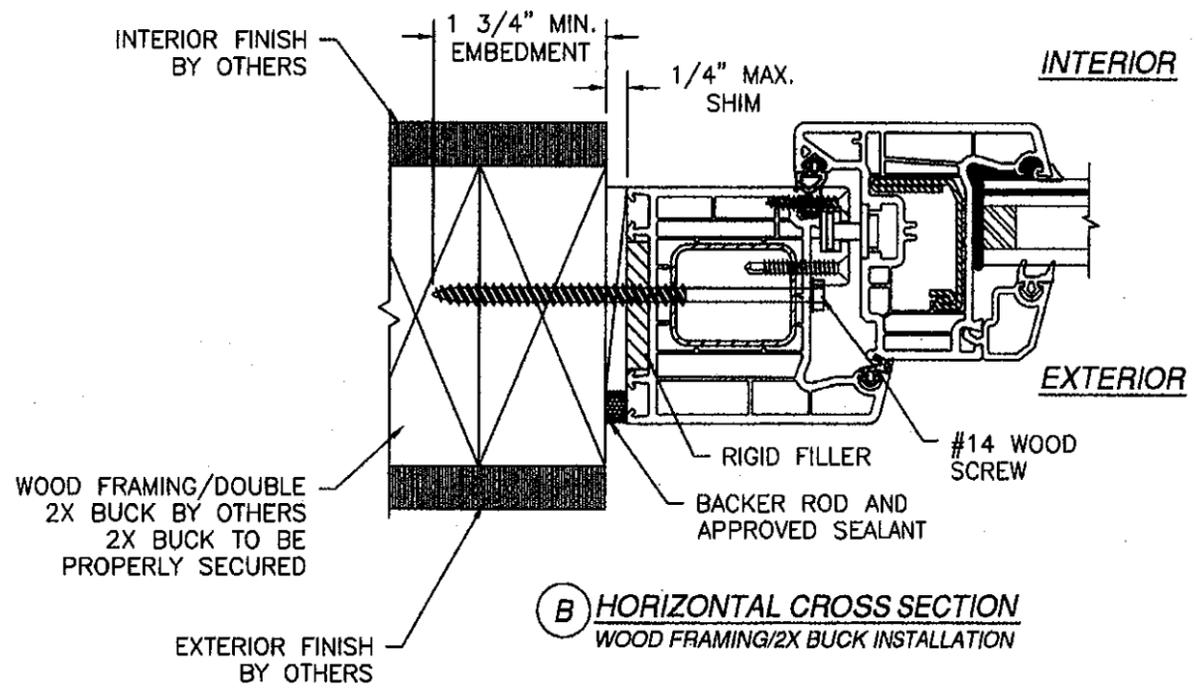
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0130.17  
Expiration Date Nov. 24, 2015  
By *Manuel Perez*  
Miami Dade Product Control

Approved as complying with the Florida Building Code Date <i>Nov. 24, 2010</i> NOA# <i>10-0625.01</i> Miami Dade Product Control By <i>Manuel Perez</i>	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	<i>Luis R. Lomas</i> 10/26/10  Luis R. Lomas P.E. Florida No. 62514
	<b>SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT CORNER CONSTRUCTION AND GLAZING DETAILS</b>	
DRAWN: TJH	DWG. NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 8 OF 16

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**(A) VERTICAL CROSS SECTION**  
WOOD FRAMING/2X BUCK INSTALLATION  
SECTION A SHOWN, SECTIONS C AND E SIMILAR

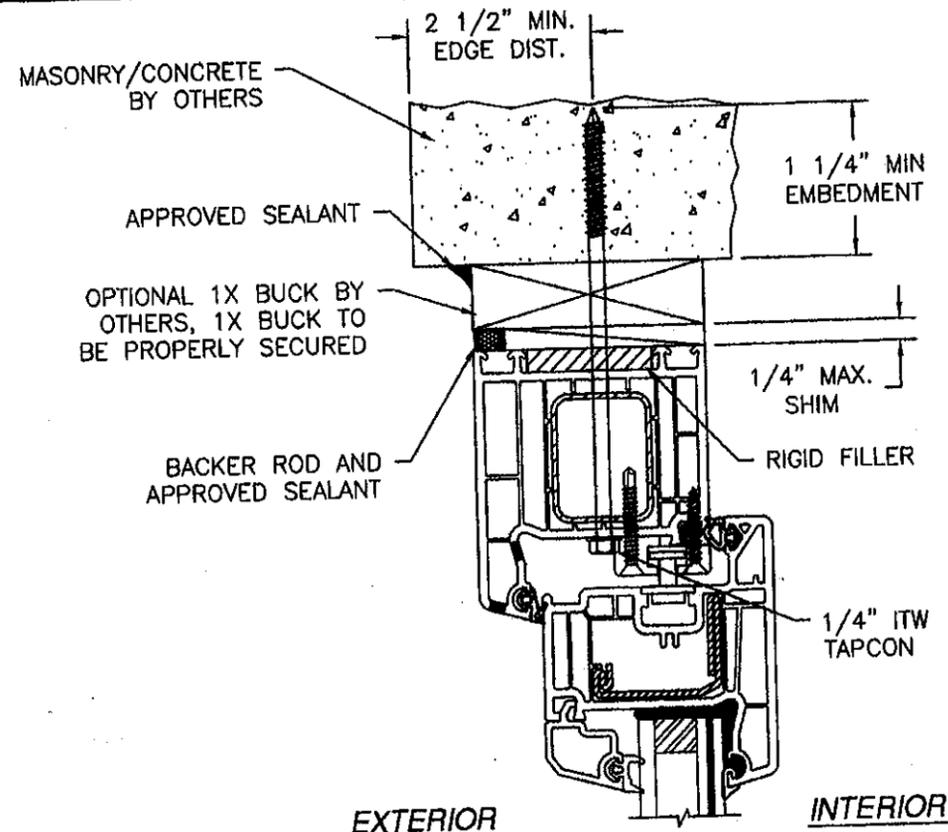


**(B) HORIZONTAL CROSS SECTION**  
WOOD FRAMING/2X BUCK INSTALLATION

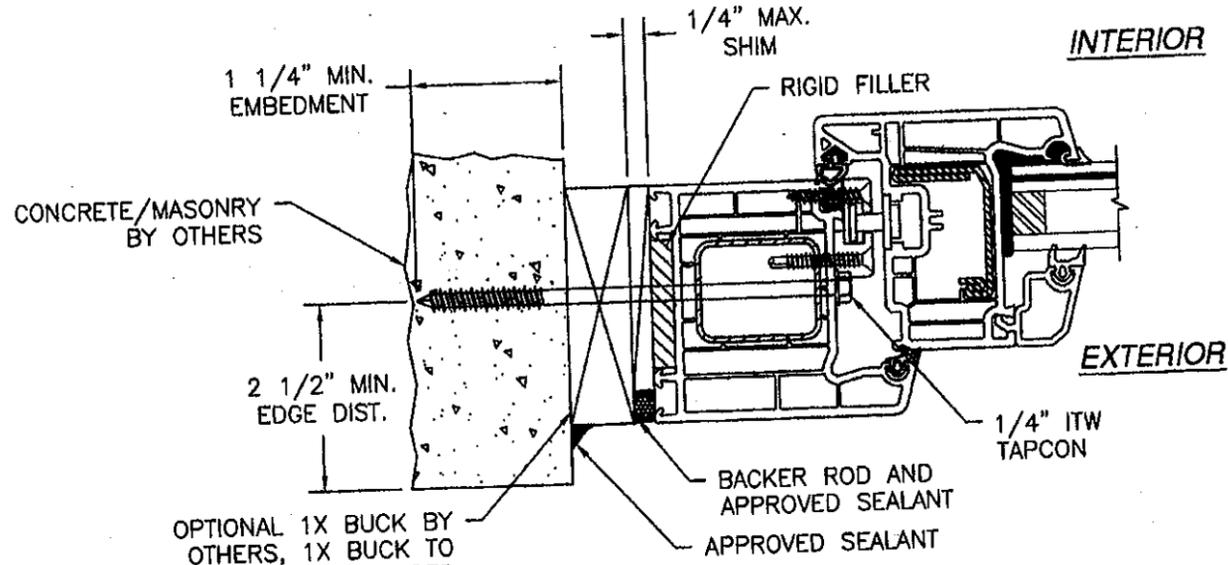
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0130-17  
Expiration Date NOV. 24, 2015  
By Manuel Perez  
Miami Dade Product Control

Approved as complying with the Florida Building Code Date <u>Nov. 24, 2010</u> NO. <u>10-0628-01</u> Miami Dade Product Control By <u>Manuel Perez</u>	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	 10/24/10  Luis R. Lomas P.E. Florida No. 62514
	<b>SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT INSTALLATION DETAILS</b>	
DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 9 OF 16

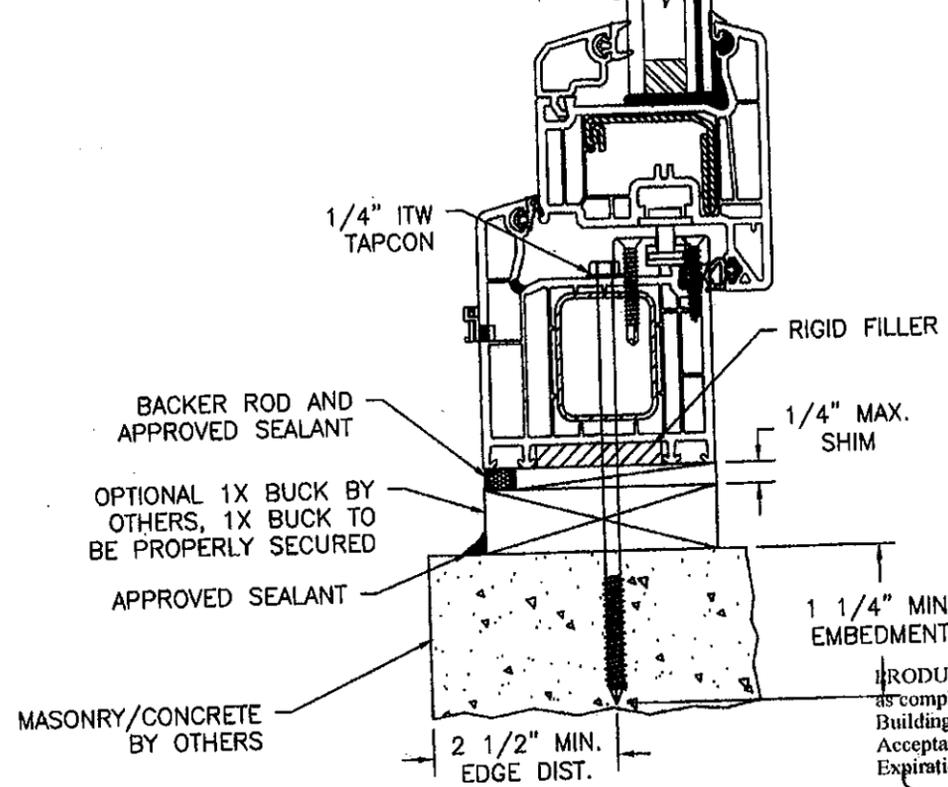
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**(A) VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION  
SECTION A SHOWN, SECTIONS C AND E SIMILAR



**(B) HORIZONTAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



**(A) VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION  
SECTION A SHOWN, SECTIONS C AND E SIMILAR

PRODUCT REVISED  
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Approved as complying with the  
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Date: Nov. 24, 2010  
NGA# 10-0628-01  
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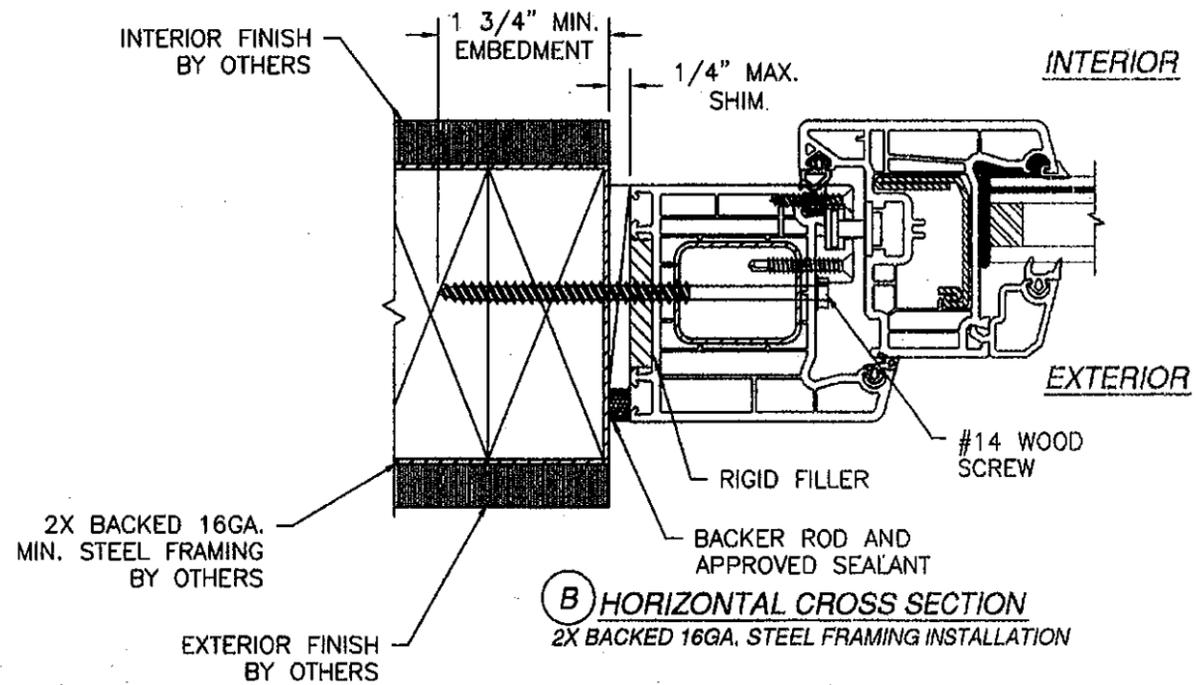
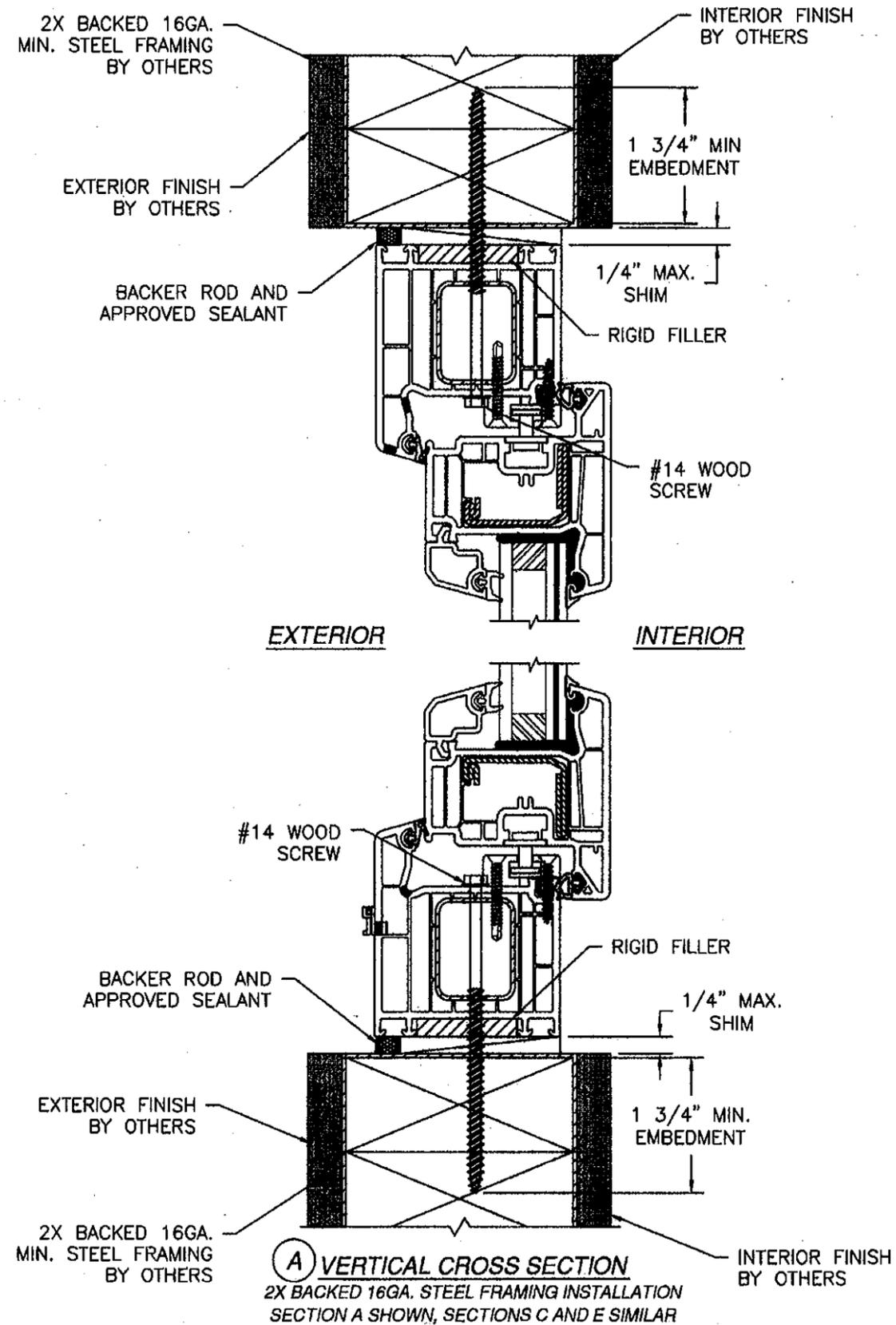
**SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT INSTALLATION DETAILS**

DRAWN: TJH      DWG NO. 08-00991      REV A

SCALE NTS      DATE 05/18/10      SHEET 10 OF 16

*Luis R. Lomas*  
10/28/10  
Luis R. Lomas P.E.  
Florida No. 62514

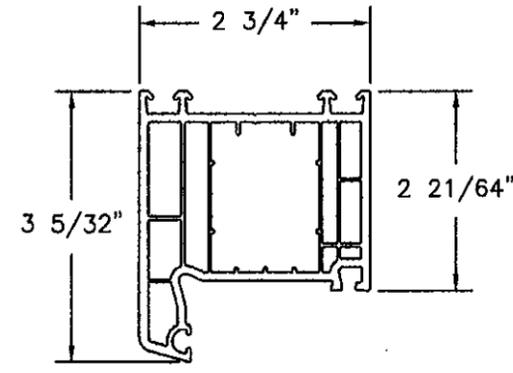
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



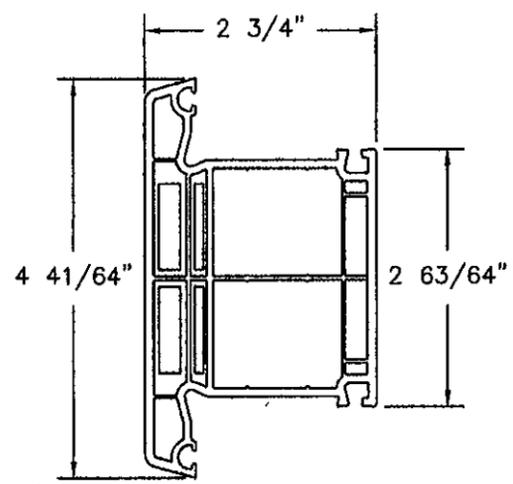
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0130-17  
Expiration Date NOV. 24, 2015  
By Manuel Perez  
Miami Dade Product Control

Approved as complying with the Florida Building Code Date <u>Nov. 24, 2010</u> NOA# <u>10-0628-01</u> Miami Dade Product Control By <u>Manuel Perez</u>	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0509 www.windoorinc.com	 10/26/10  Luis R. Lomas P.E. Florida No. 52514
	<b>SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT INSTALLATION DETAILS</b>	
DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 11 OF 16

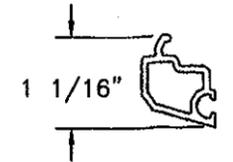
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



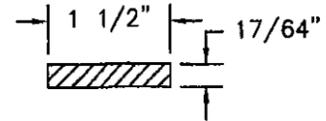
① **FRAME, HEAD, JAMB AND SILL**  
WHITE RIGID PVC .110" THICK



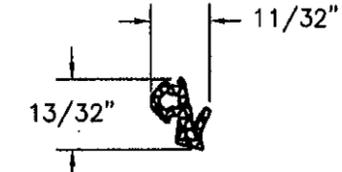
②① **118 MM T MULLION**  
WHITE RIGID PVC .110" THICK



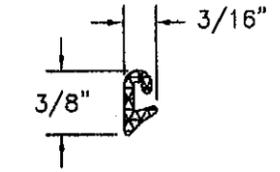
④ **1" GLAZING BEAD**  
WHITE RIGID PVC .075" THICK



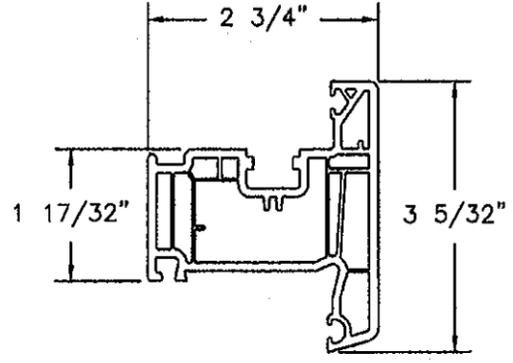
②② **RIGID FILLER**  
RIGID PVC



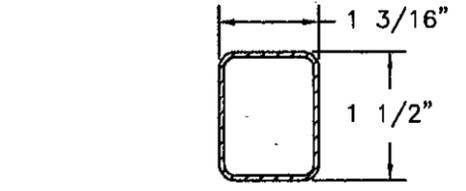
⑨ **GLAZING GASKET**  
EPDM DUROMETER 60



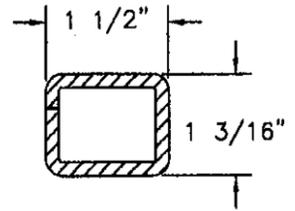
⑫ **VENT GLAZING LEG ADAPTOR**  
EPDM DUROMETER 60



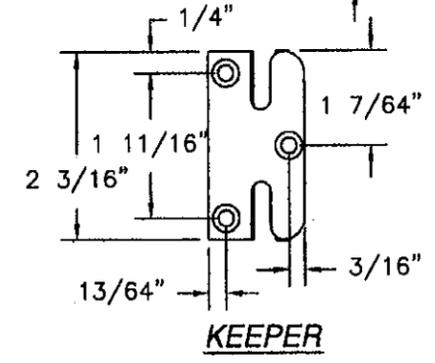
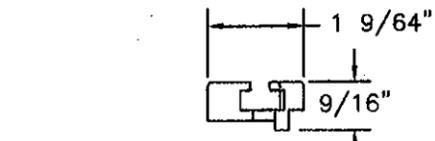
② **PANEL FRAME, STILE AND RAIL**  
WHITE RIGID PVC .110" THICK



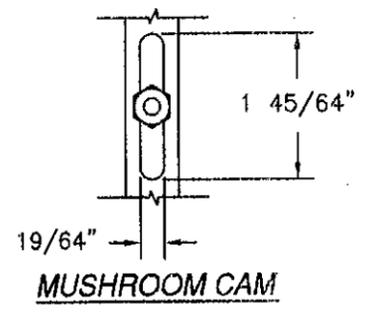
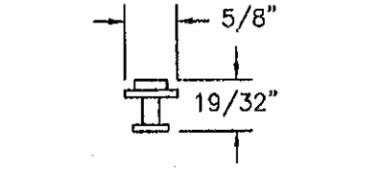
⑥ **18GA. FRAME REINFORCEMENT**  
G90 GALVANIZED STEEL .051" THICK MIN.



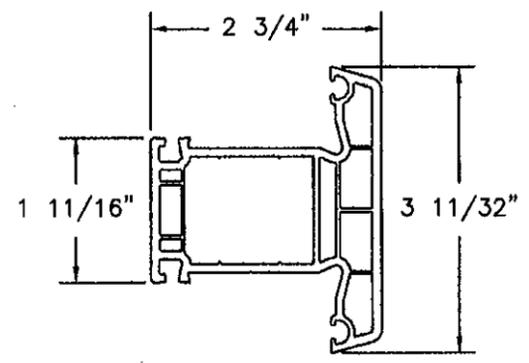
⑦ **9GA. T MULLION REINFORCEMENT**  
G90 GALVANIZED STEEL .157" THICK MIN.



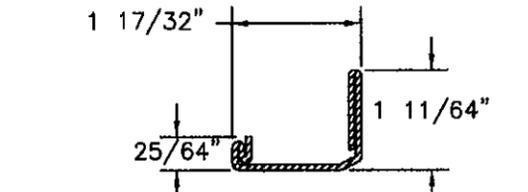
⑭ **MULTI-POINT TILT HARDWARE**  
OR  
⑮ **ROTO OR SIEGENIA**



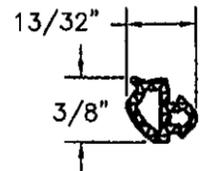
**MUSHROOM CAM**



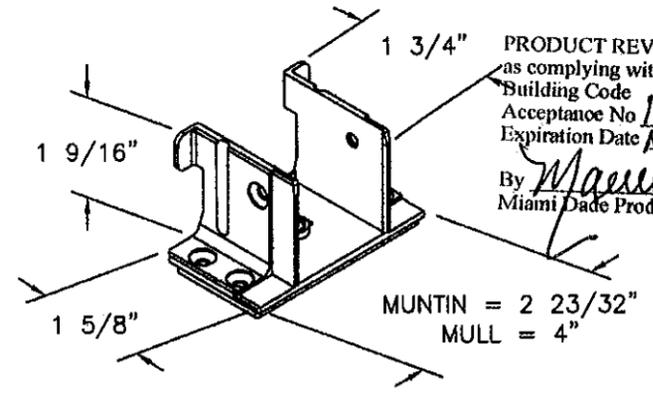
② **85 MM T MULLION**  
WHITE RIGID PVC .110" THICK



⑤ **18GA. SASH REINFORCEMENT**  
G90 GALVANIZED STEEL .051" THICK MIN.



⑩ **GLAZING GASKET**  
EPDM DUROMETER 60



⑬ **CONNECTOR**  
ZINC DIECAST

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0130.17  
Expiration Date NOV 24 2015  
By *Manuel Perez*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date: *NOV 24 2010*  
By: *Manuel Perez*  
Miami Dade Product Control

**WinDoor**  
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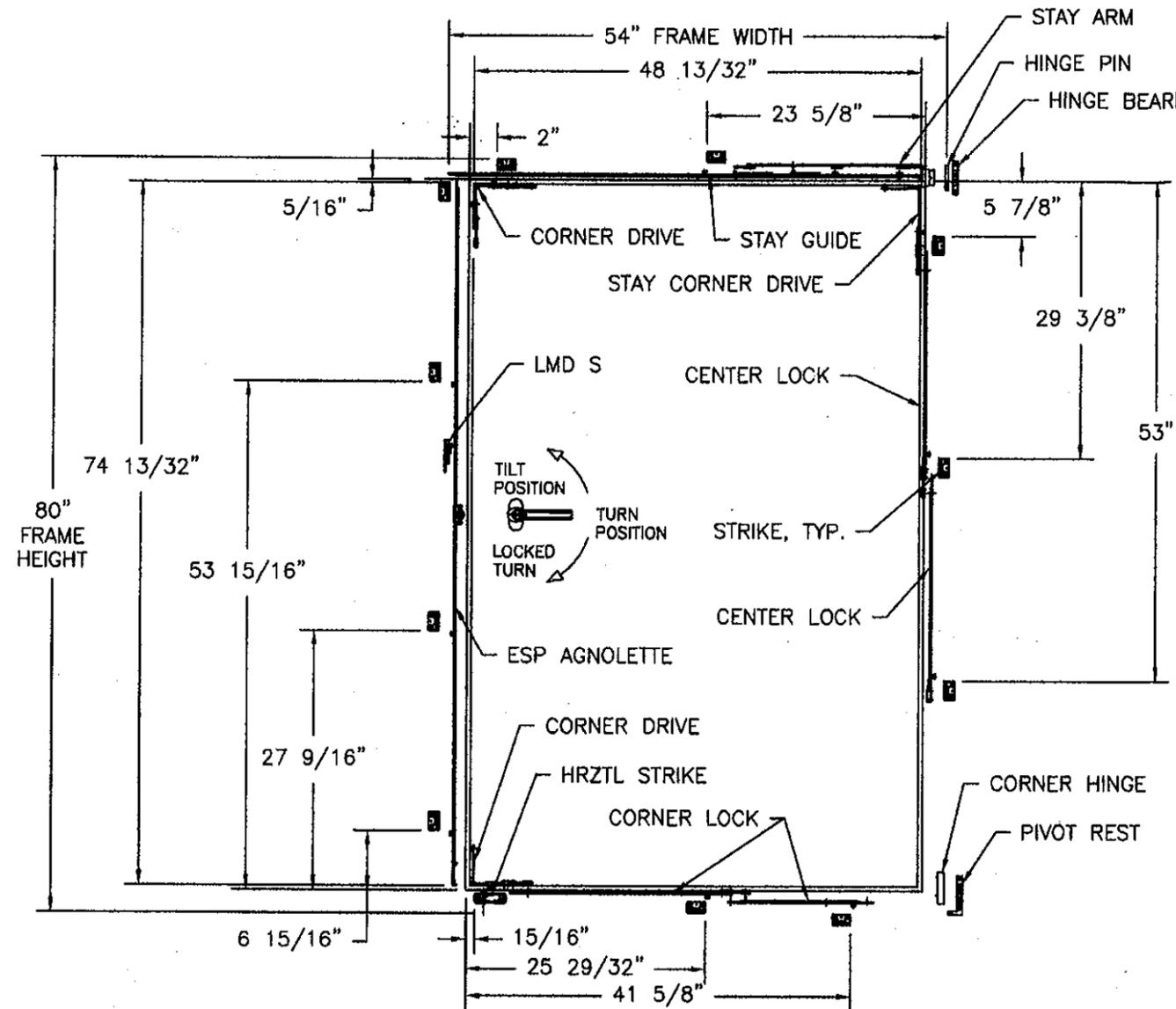
**SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT COMPONENTS**

DRAWN: TJH	DWG. NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 12 OF 16

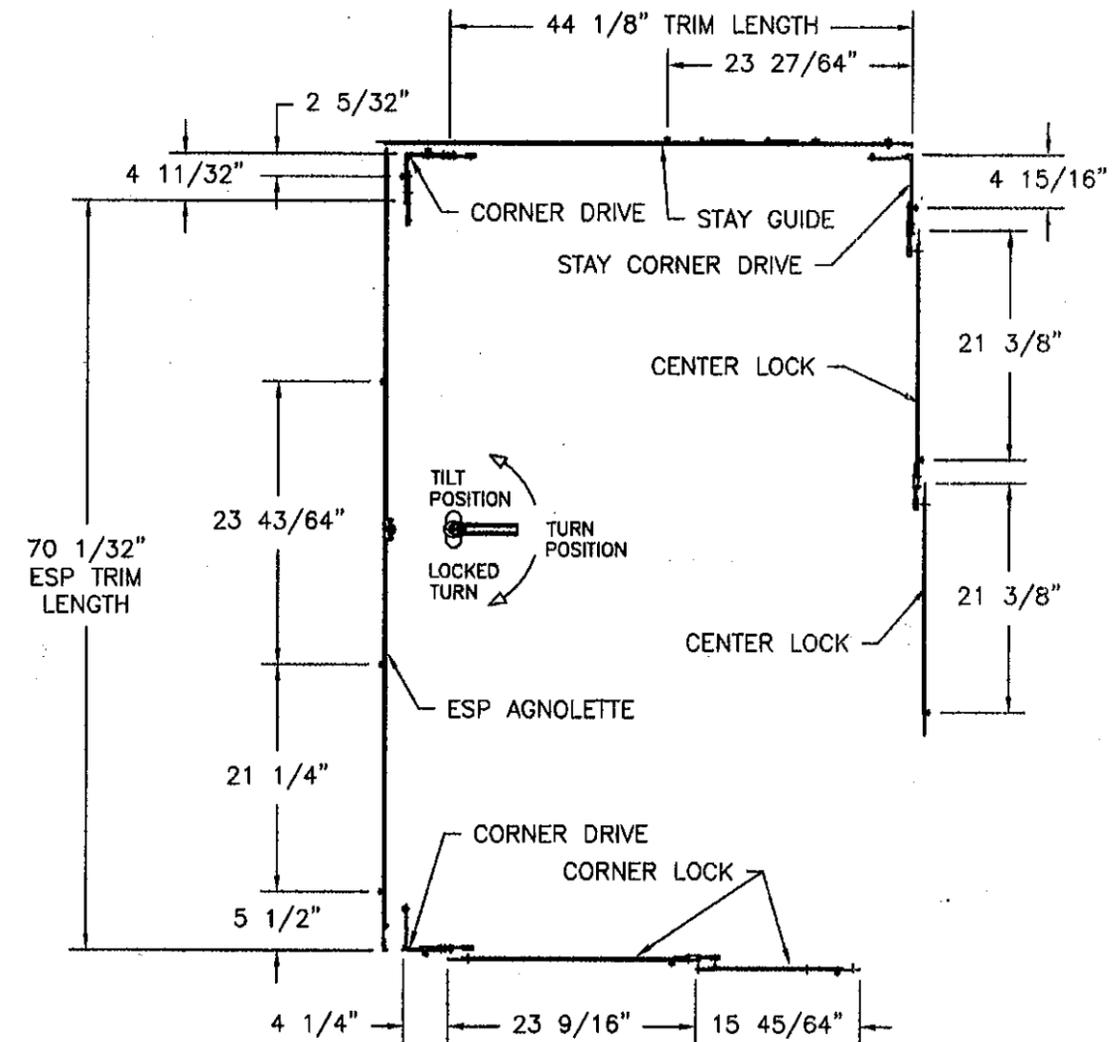
*Luis R. Lomas*  
10/26/10

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**FRAME HARDWARE LAYOUT**  
ROTO HARDWARE INTERIOR VIEW



**SASH HARDWARE LAYOUT**  
ROTO HARDWARE INTERIOR VIEW

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0130.17  
Expiration Date NOV. 24, 2015  
By Manuel Perez  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date NOV. 24, 2010  
NOAH 10-01678.01  
Miami Dade Product Control  
By Manuel Perez

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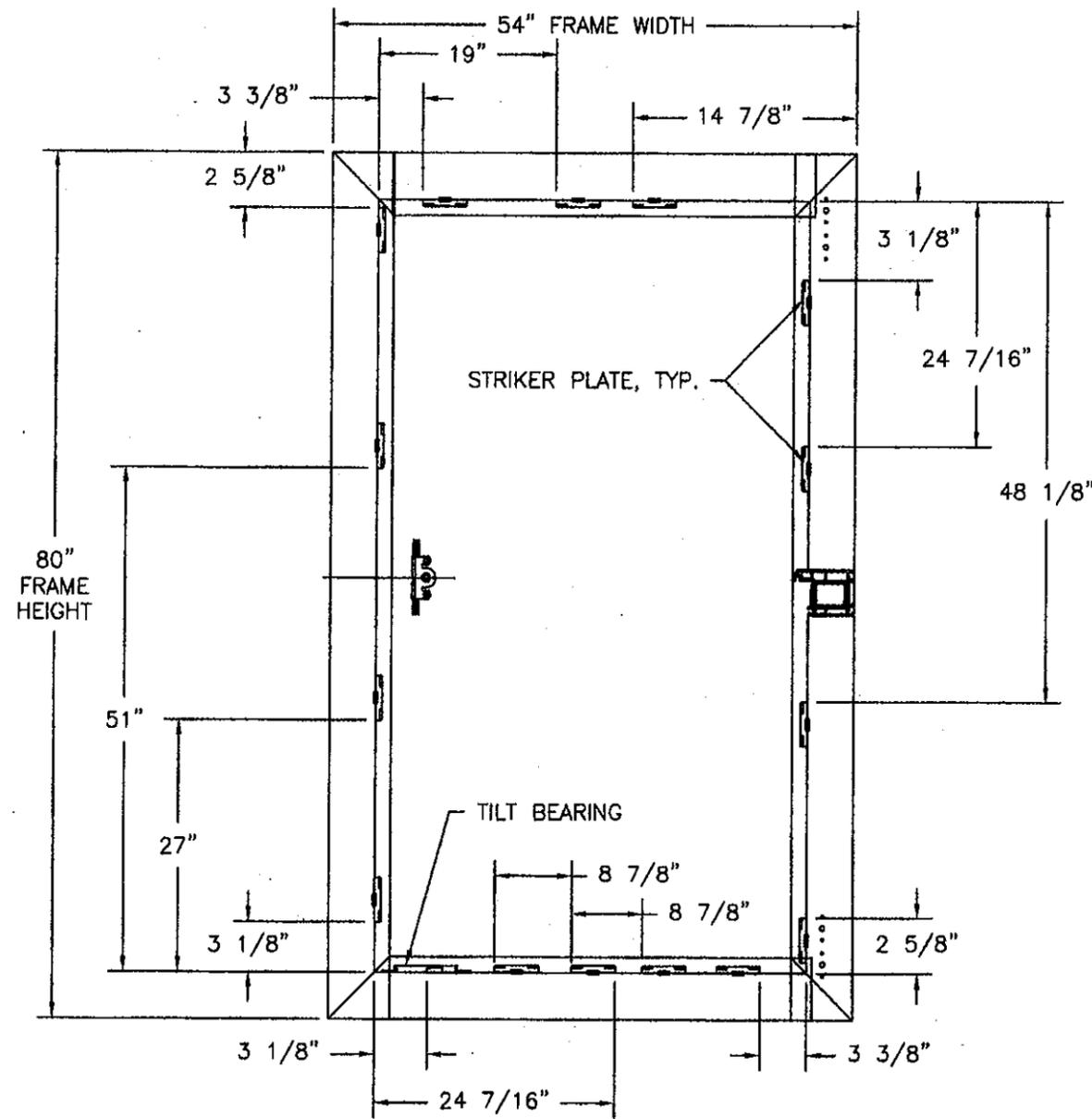
SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
SINGLE ROTO HARDWARE LAYOUT

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 13 OF 16

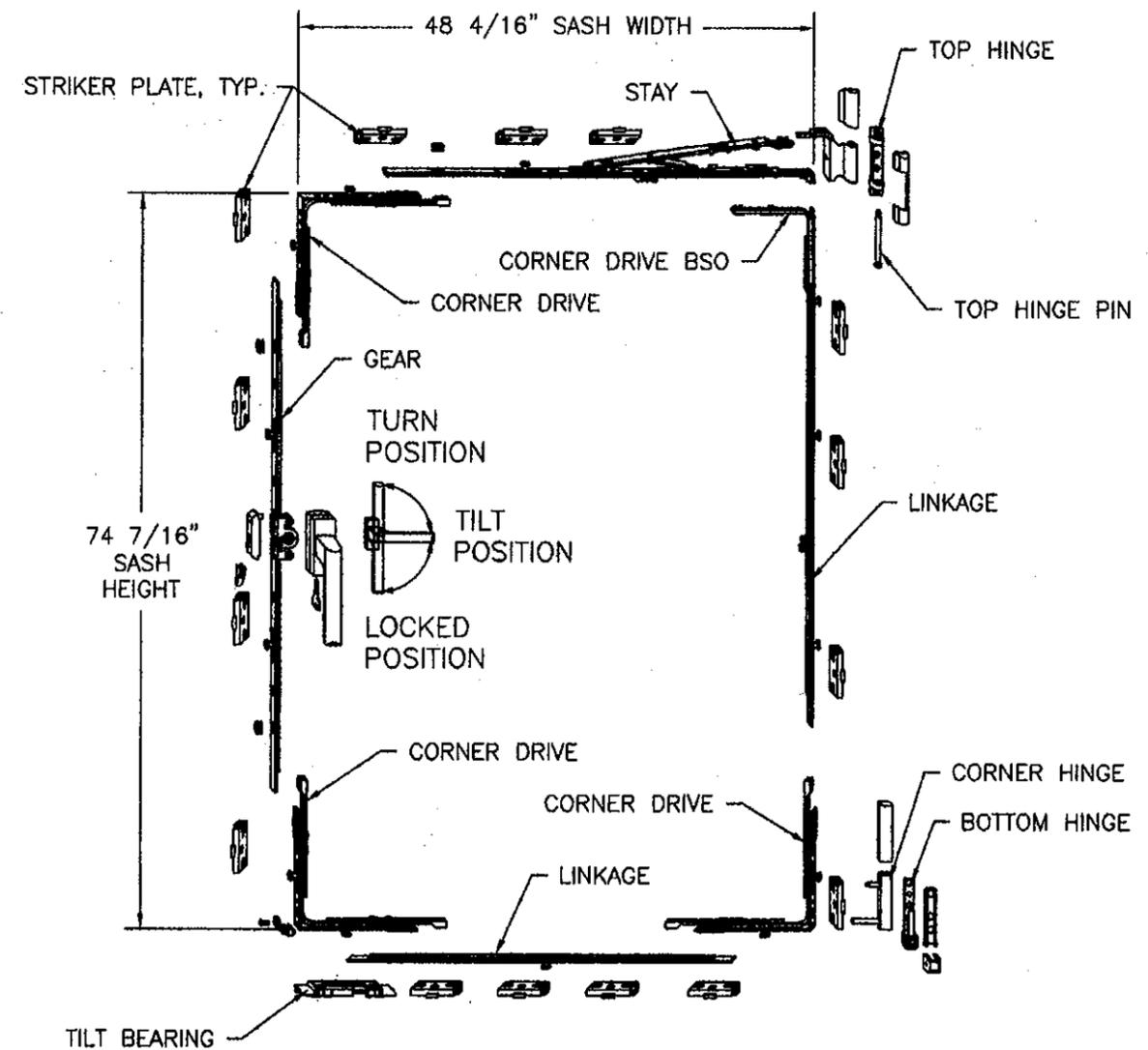
*Luis R. Lomas*  
10/26/10

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**FRAME HARDWARE LAYOUT**  
SIEGENIA HARDWARE INTERIOR VIEW



**SASH HARDWARE LAYOUT**  
SIEGENIA HARDWARE INTERIOR VIEW

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Date Nov. 24, 2010  
Acceptance No. 12-0130-17  
Expiration Date NOV. 24, 2015  
By Manuel Perez  
Miami Dade Product Control

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Miami Dade Product Control  
By Manuel Perez

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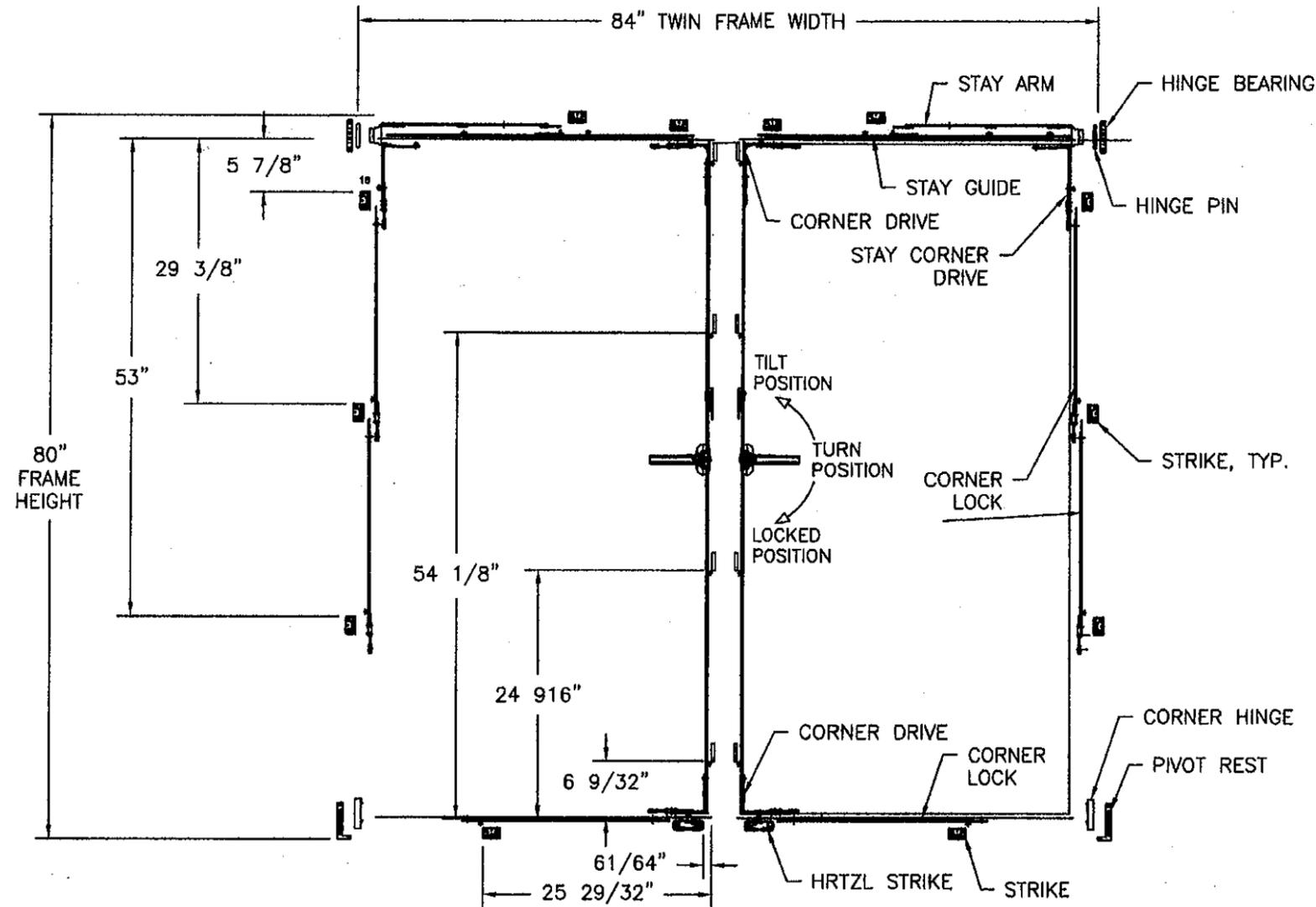
SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
SINGLE SIEGENIA HARDWARE LAYOUT

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 14 OF 16

*Luis R. Lomas*  
10/26/10

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**FRAME AND SASH HARDWARE LAYOUT**  
TWIN UNIT ROTO HARDWARE INTERIOR VIEW

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0130.17  
Expiration Date Nov. 24, 2015  
By *Mmanuel Perez*  
Miami Dade Product Control

Approved as complying with the  
Florida Building Code  
Date: Nov. 24, 2010  
NOA# 10-0675.01  
Miami Dade Product Control  
By *Mmanuel Perez*

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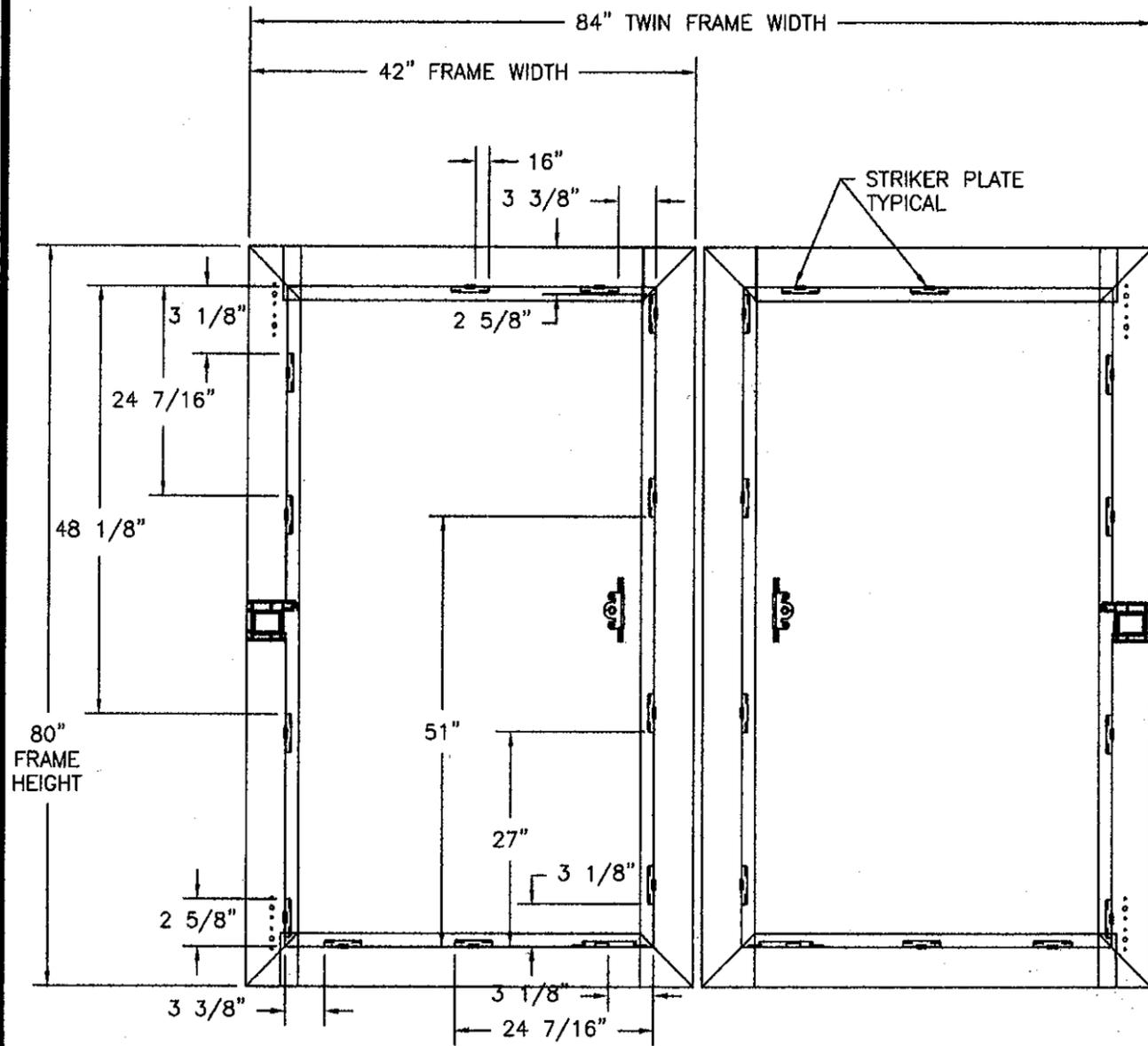
SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
TWIN ROTO HARDWARE LAYOUT

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 15 OF 16

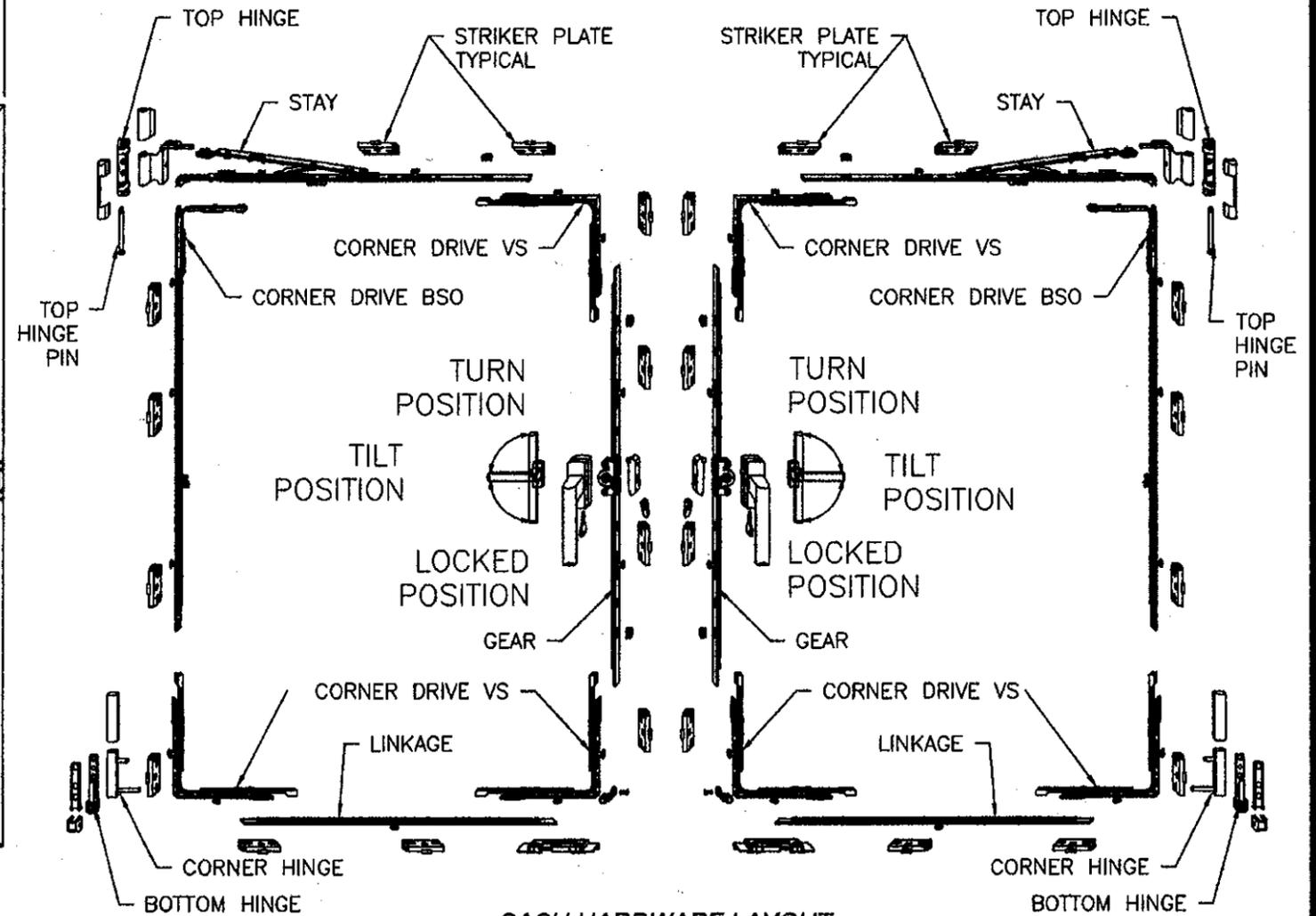
*Luis R. Lomas*  
10/26/10

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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**FRAME HARDWARE LAYOUT**  
TWIN UNIT SIEGENIA HARDWARE INTERIOR VIEW



**SASH HARDWARE LAYOUT**  
TWIN UNIT SIEGENIA HARDWARE INTERIOR VIEW

PRODUCT REVISED  
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SERIES V-100 PVC DUAL ACTION TILT-TURN  
WINDOW - LARGE MISSILE IMPACT  
TWIN SIEGENIA HARDWARE LAYOUT

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 16 OF 16

*Luis R. Lomas*  
10/26/10

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