



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

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 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 "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 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. 10-0628.01
Expiration Date: November 24, 2015
Approval Date: November 24, 2010
 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.

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.
Complies with ASTM E1300-02/04

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

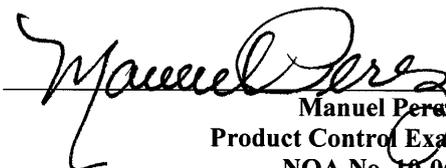
1. Notice of Acceptance No. **07-1116.04** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas ® Plus**" dated 01/03/08, expiring on 01/14/12.

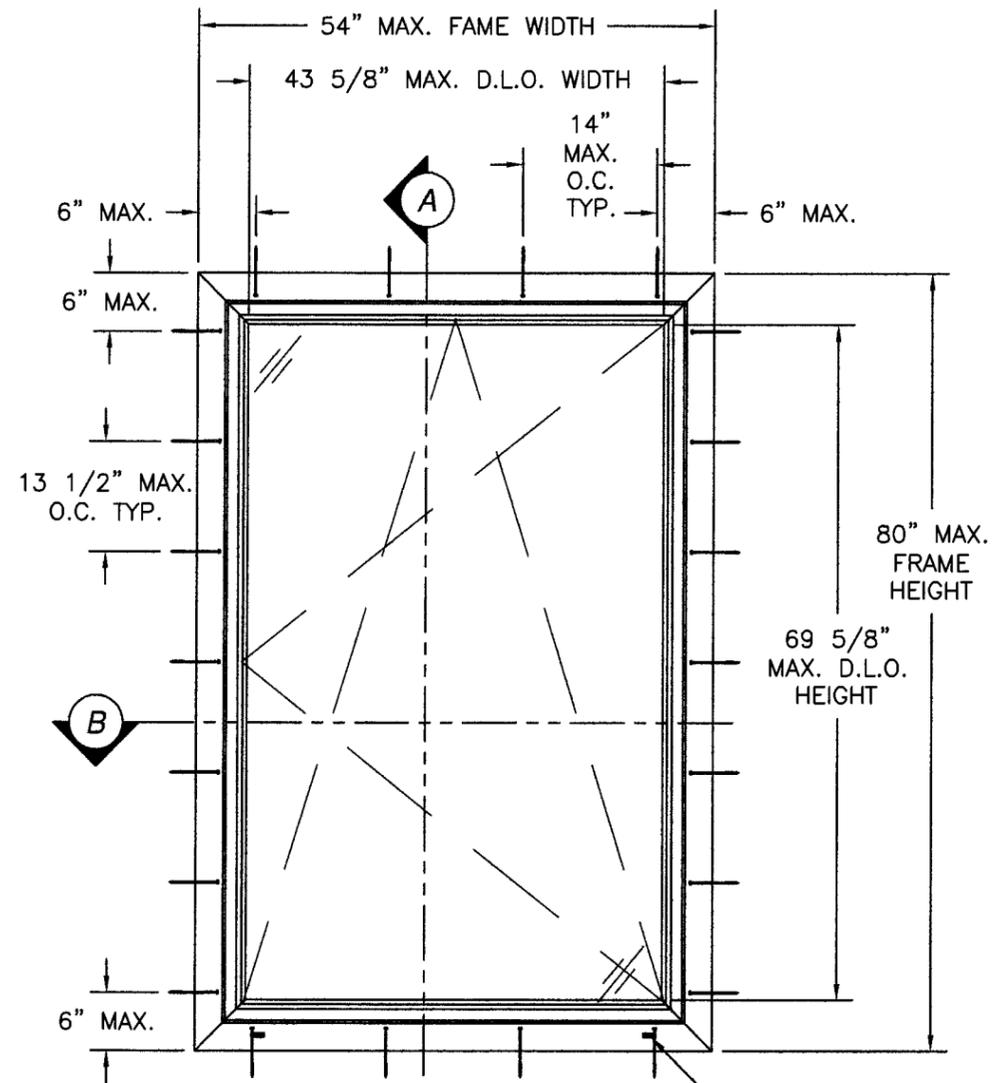
F. STATEMENTS

1. Statement letter of conformance and of no financial interest, dated May 18, 2010, 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.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 10-0628.01
Expiration Date: November 24, 2015
Approval Date: November 24, 2010



**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 - 130.0 PSF	LARGE MISSILE IMPACT

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1 - 5	ELEVATION, ANCHORING LAYOUT AND NOTES
6	BILL OF MATERIALS AND CROSS SECTIONS
7	CROSS SECTIONS
8	CORNER CONSTRUCTION AND GLAZING DETAILS
9 - 11	INSTALLATION DETAILS
12	COMPONENTS
13 - 16	HARDWARE LAYOUTS

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".

Approved in compliance with the
Florida Building Code
Date: NOV. 24, 2010
NOA# 10-0628.01
Miami Code Product Control
Division
By: Manuel Perez

WinDoor
INCORPORATED

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

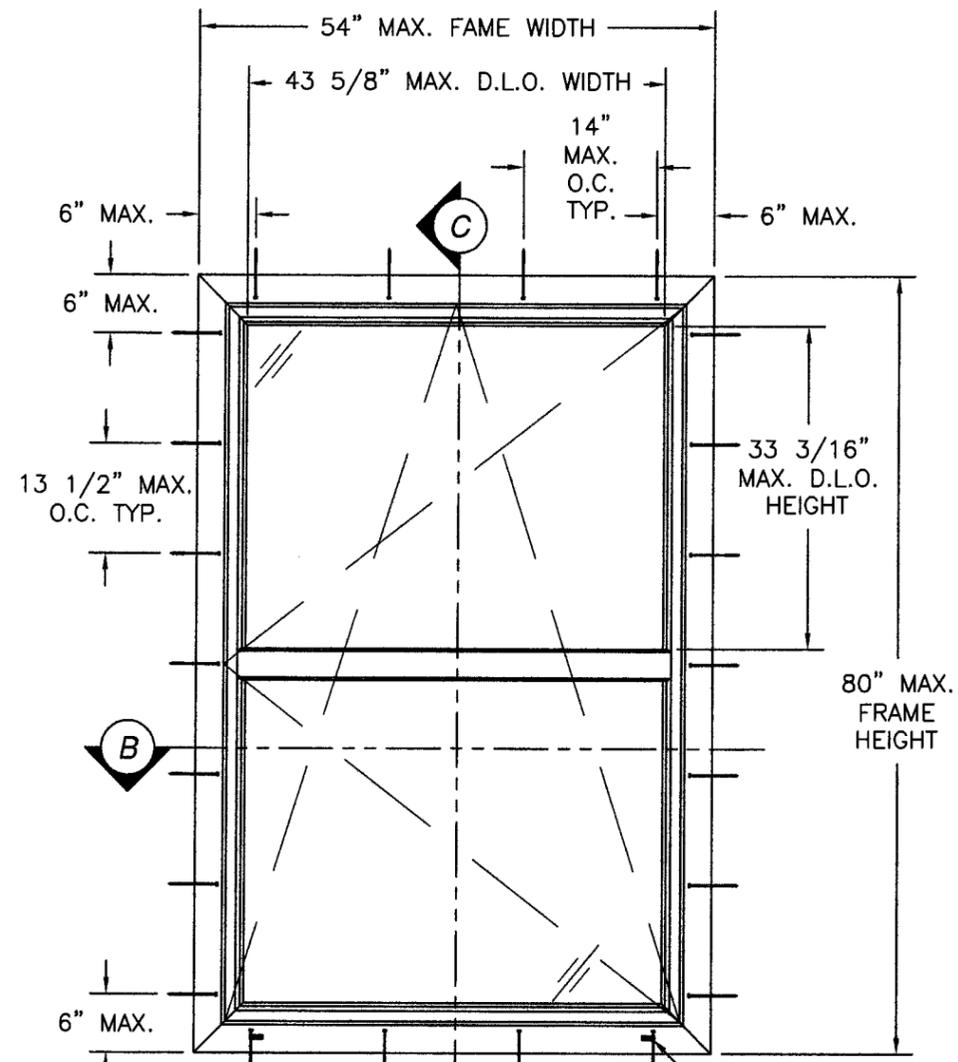
**SERIES V-100 PVC DUAL ACTION TILT-TURN
WINDOW - LARGE MISSILE IMPACT
ELEVATION, ANCHORING LAYOUT AND NOTES**

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

Luis R. Lomas
10/07/10

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

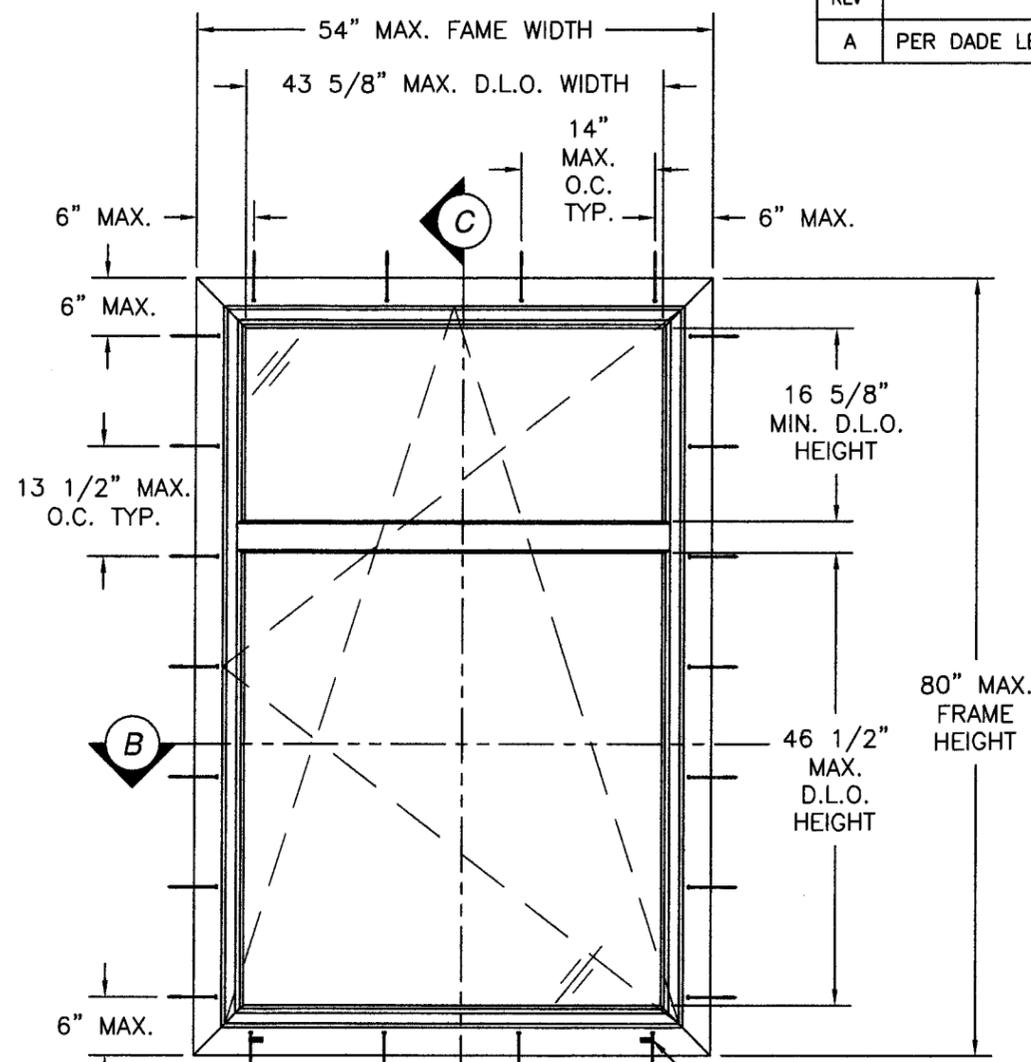
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



**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**

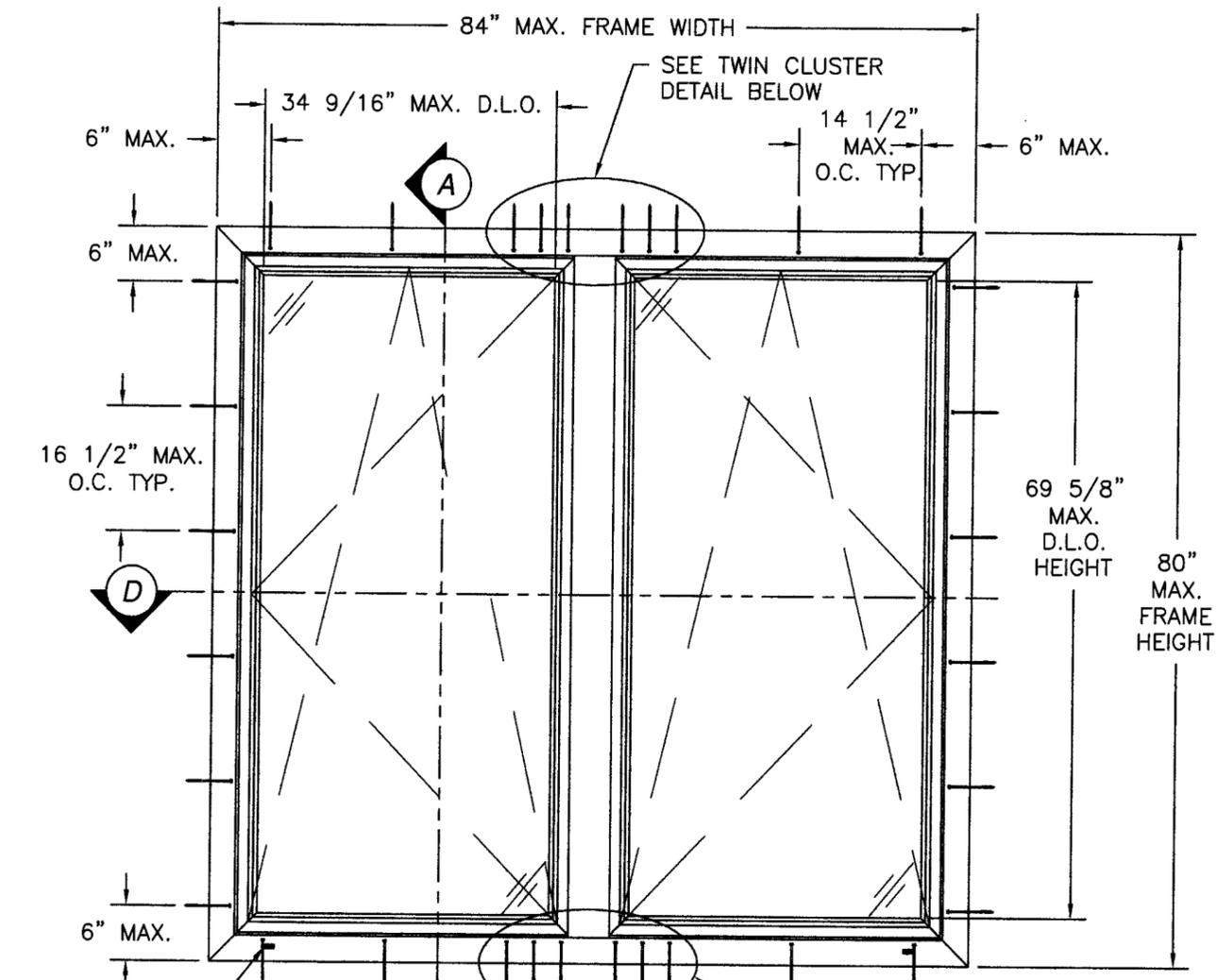
WEEP SLOT
SEE NOTE
SHEET 2, TYP.

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.

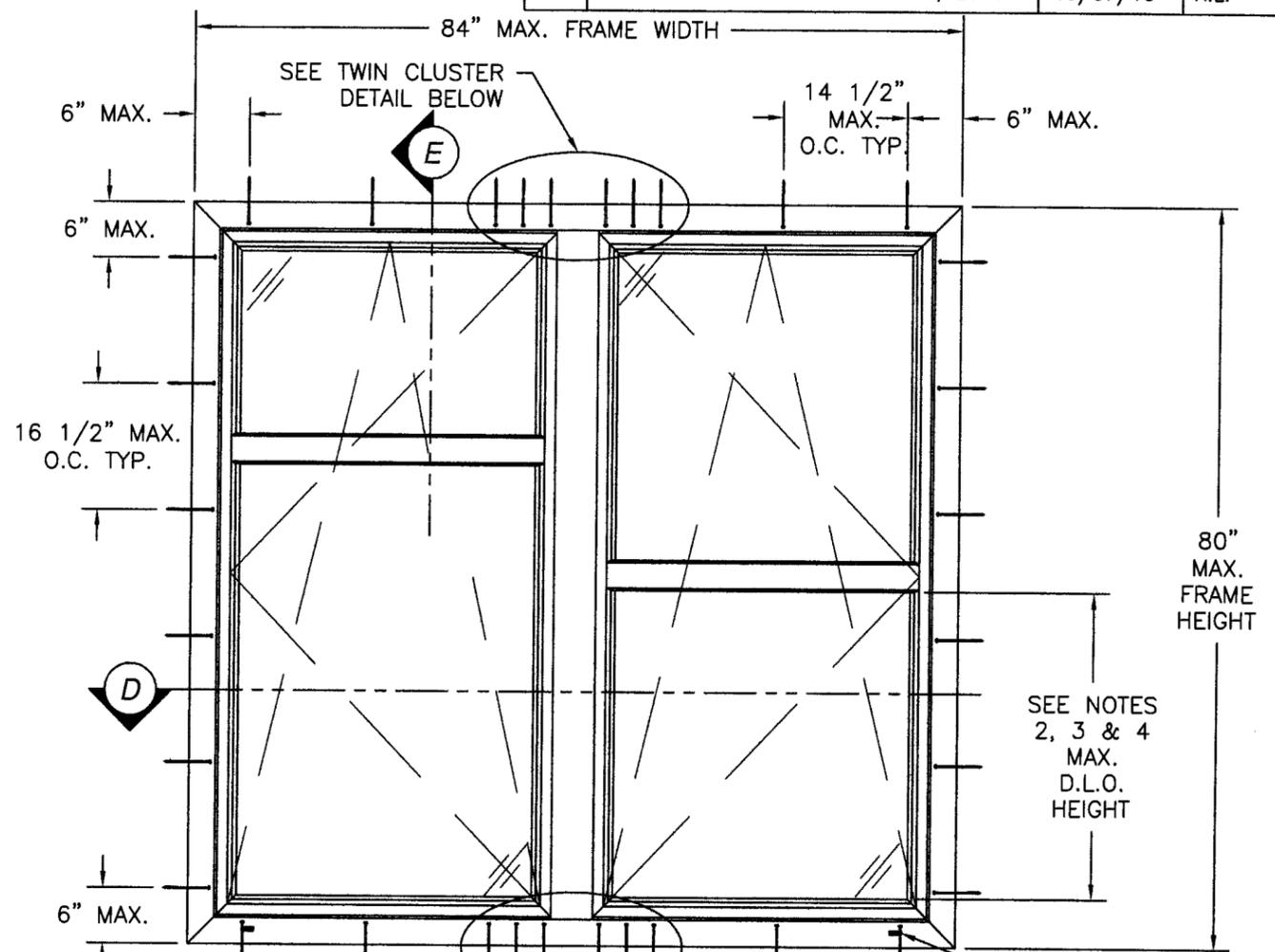
Approved as complying with the Florida Building Code Nov. 24, 2010 10-0628-01 Miami Dade Product Control by <i>Manuel Perez</i>	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windowinc.com	<i>Luis R. Lomas</i> 10/22/10 Luis R. Lomas P.E. Florida No. 62514
	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

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



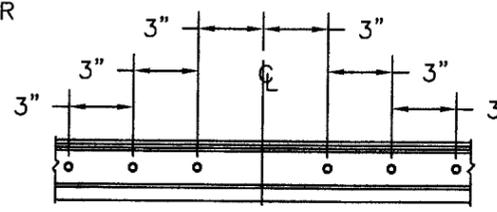
**SERIES V-100 PVC DUAL ACTION
TILT-TURN TWIN WINDOW FULL LITE**
EXTERIOR VIEW

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

WEEP SLOT
SEE NOTE
SHEET 2, TYP.

SEE TWIN CLUSTER
DETAIL BELOW

SEE TWIN CLUSTER
DETAIL BELOW

WEEP SLOT
SEE NOTE
SHEET 2, TYP.

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".

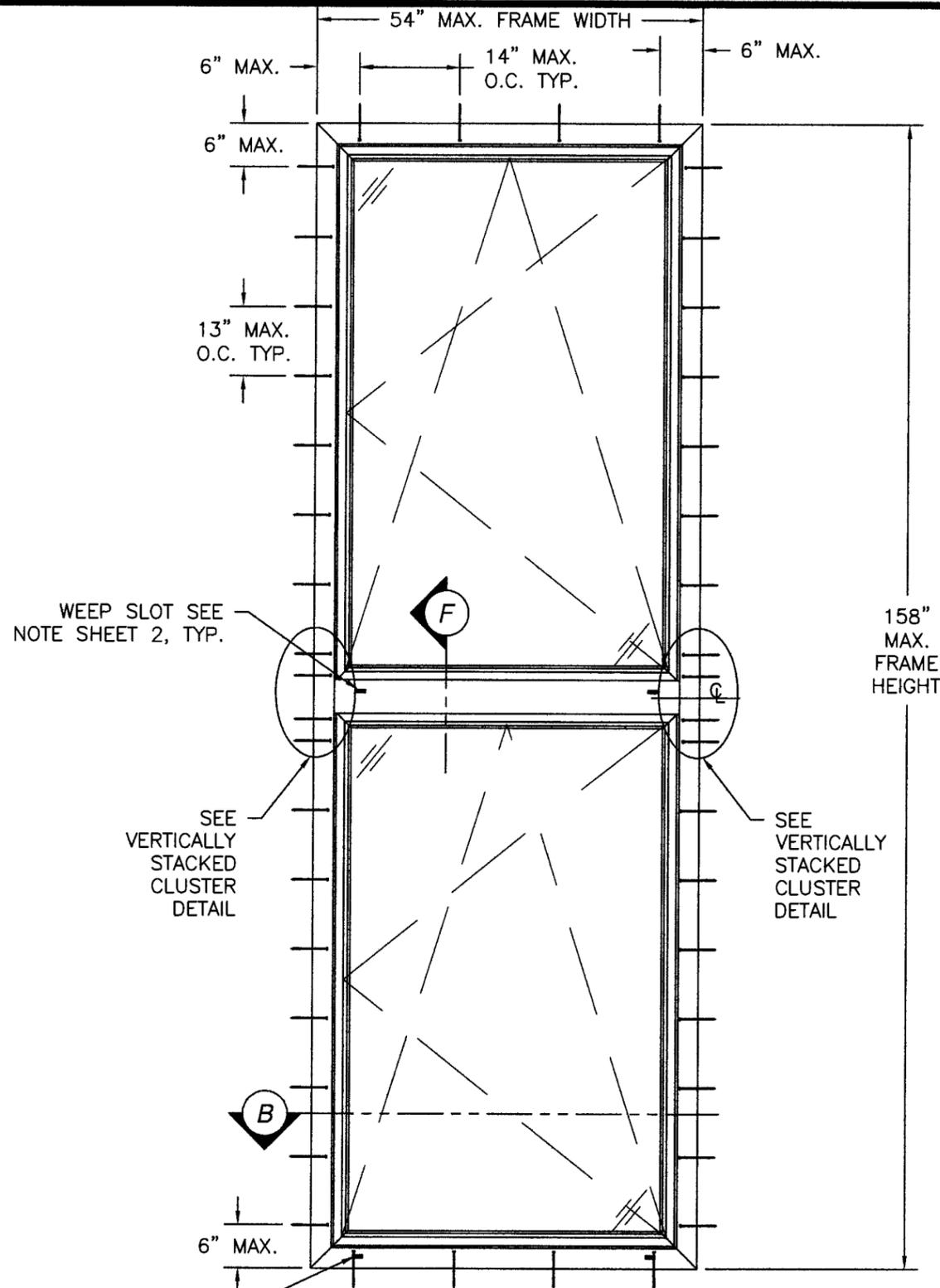
Approved on complying with the Florida Building Code
Date **Nov 24, 2010**
Permit No. **10-0625.01**
Florida Building Product Control
Division
By *Manuel Perez*

WinDoor
INCORPORATED
7500 AMSTERDAM DRIVE
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
ELEVATIONS AND ANCHORING LAYOUTS**

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

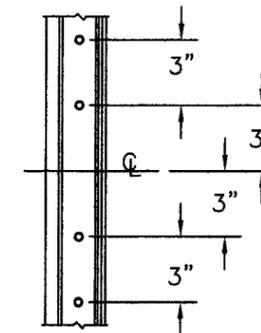
Luis R. Lomas
10/22/10
Luis R. Lomas P.E.
Florida No. 62514



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

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: Nov. 24, 2010
NOA# 10-0628-01
Miami Code Product Control
By: Manuel Perez

WinDoor
INCORPORATED

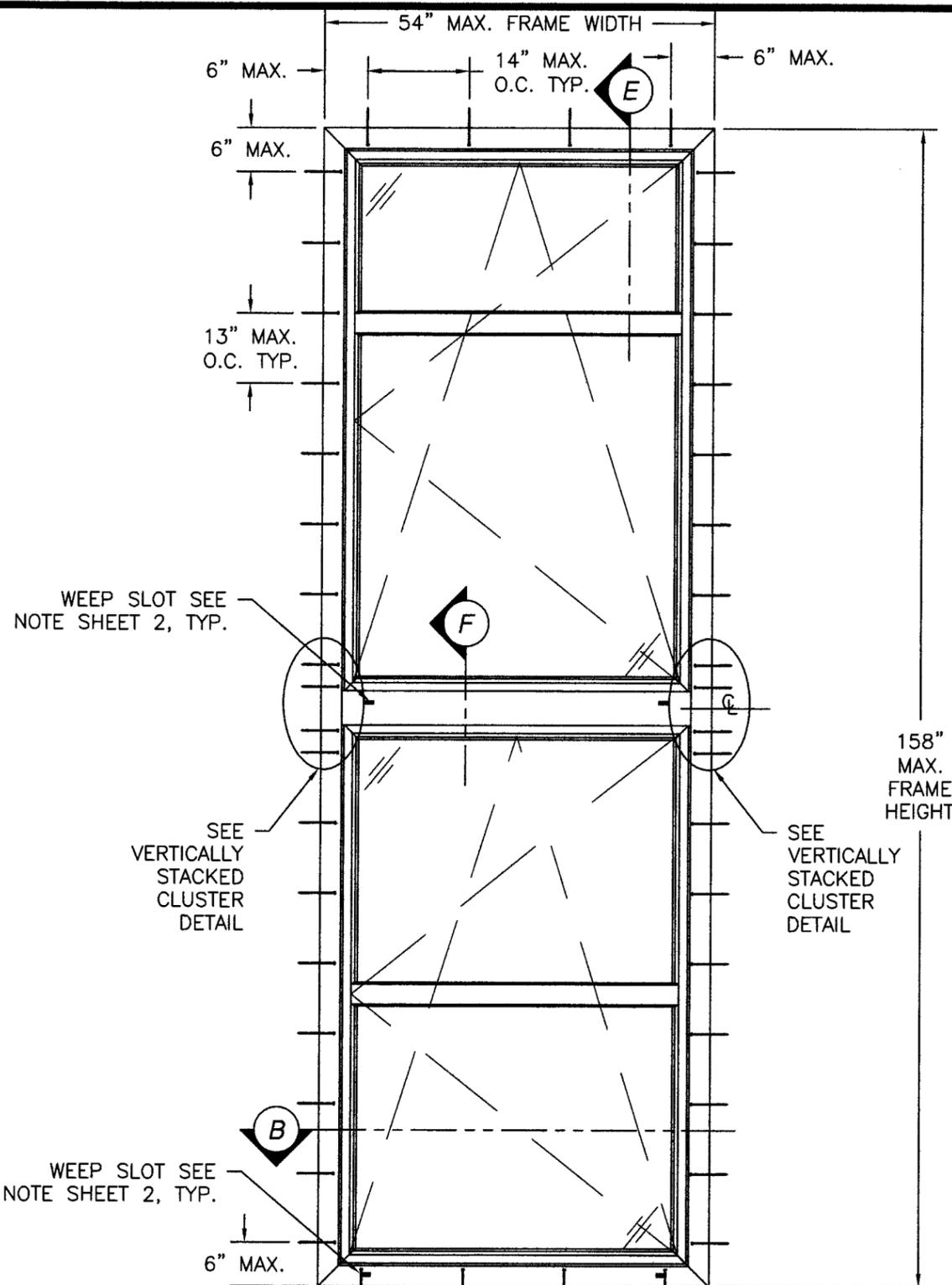
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windowinc.com

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 4 OF 16

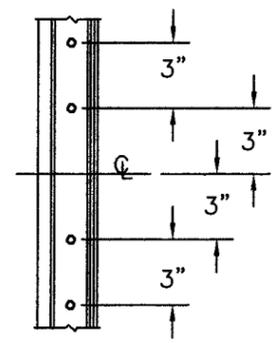
Luis R. Lomas
10/26/10

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.

- 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

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

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

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

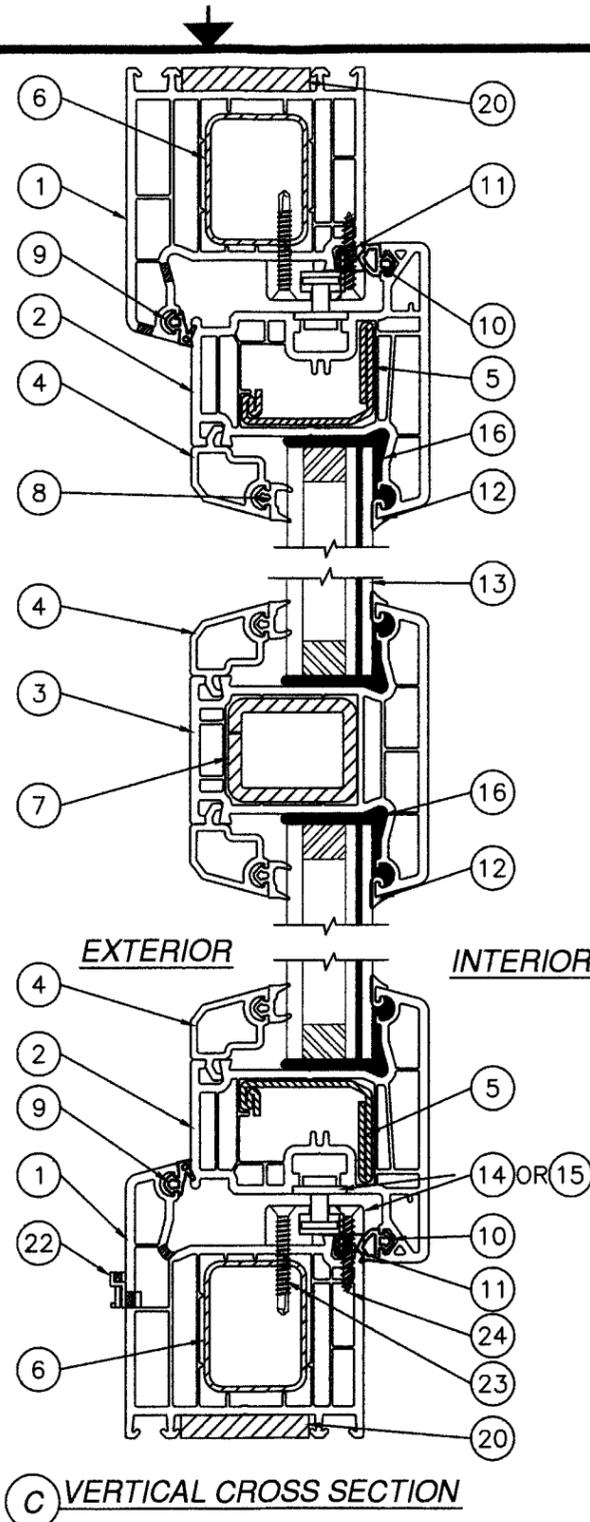
SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT ELEVATION AND ANCHORING LAYOUT

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

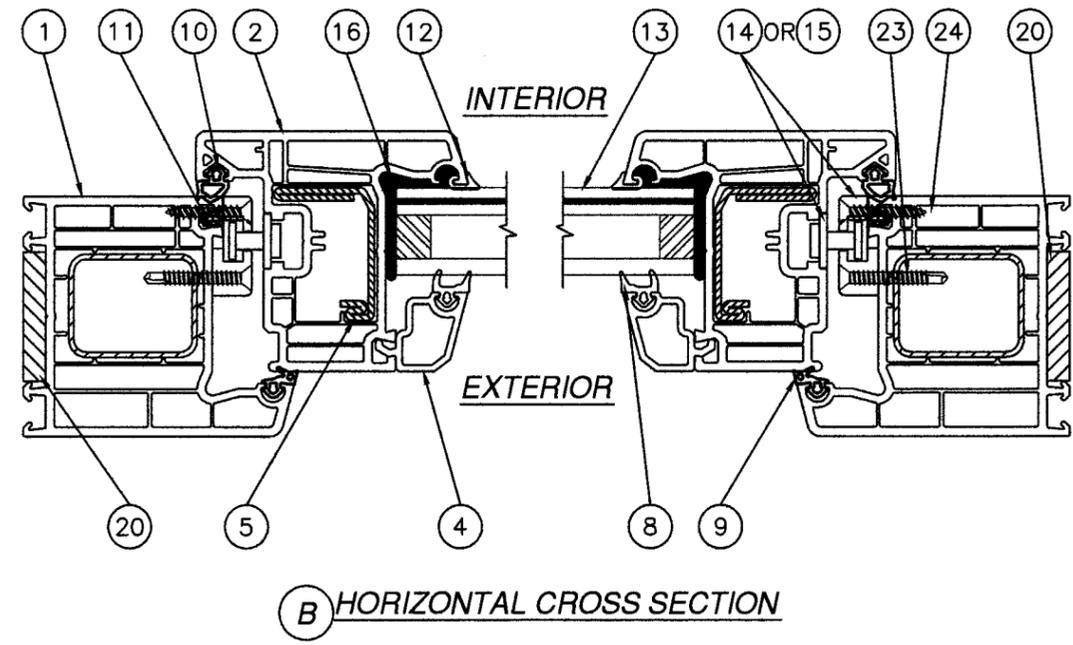
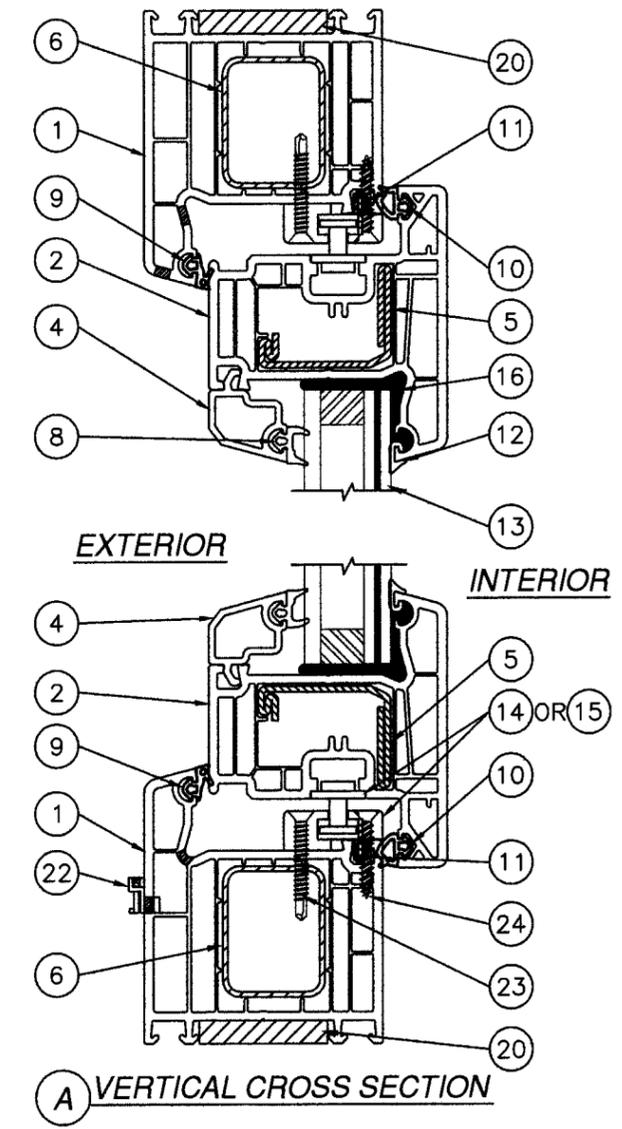
Luis R. Lomas
10/22/10

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.



Approved as complying with the Florida Building Code
 Date Nov. 24, 2010
 NOA# 10-0628-01
 National Code Product Control
 By Manuel Diaz

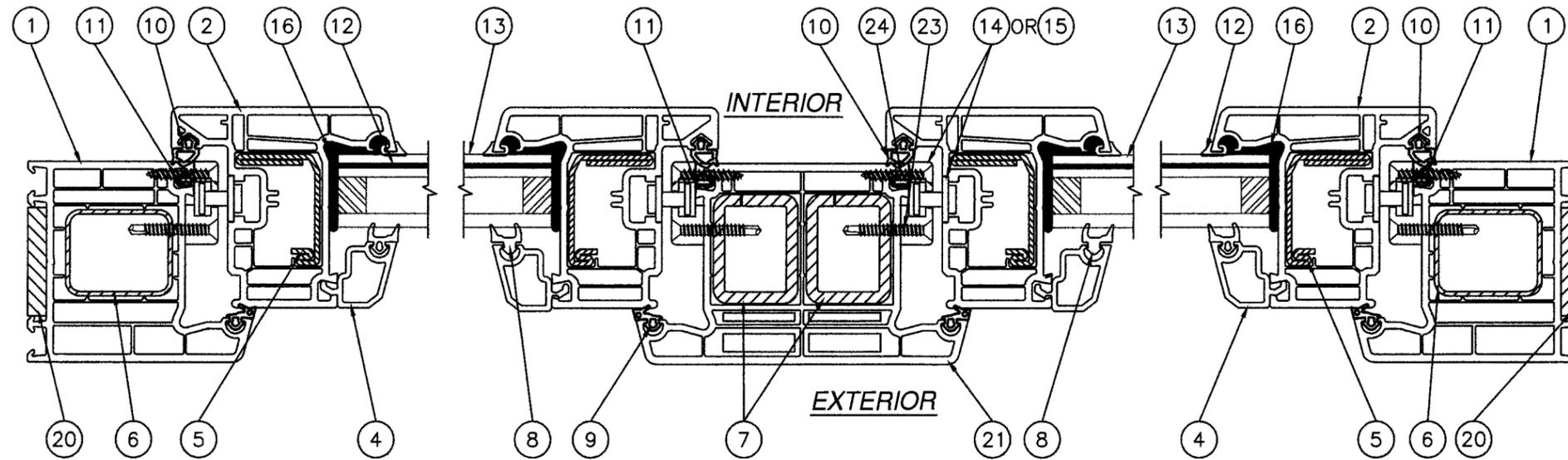
WinDoor INCORPORATED
 7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
 Phone: 407.481.8400
 Fax: 407.481.0505
 www.windoorinc.com

SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT
 BILL OF MATERIALS AND CROSS SECTIONS

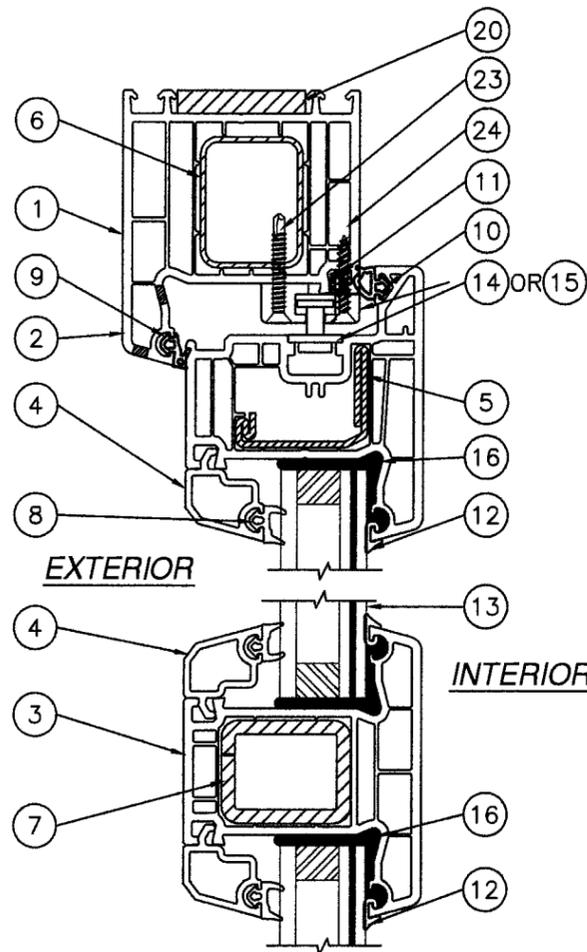
DRAWN: TJH
 DWG NO. 08-00991
 SCALE NTS
 DATE 05/18/10
 SHEET 6 OF 16
 REV A

Luis R. Lomas
 10/26/10
 Luis R. Lomas P.E.
 Florida No. 62514

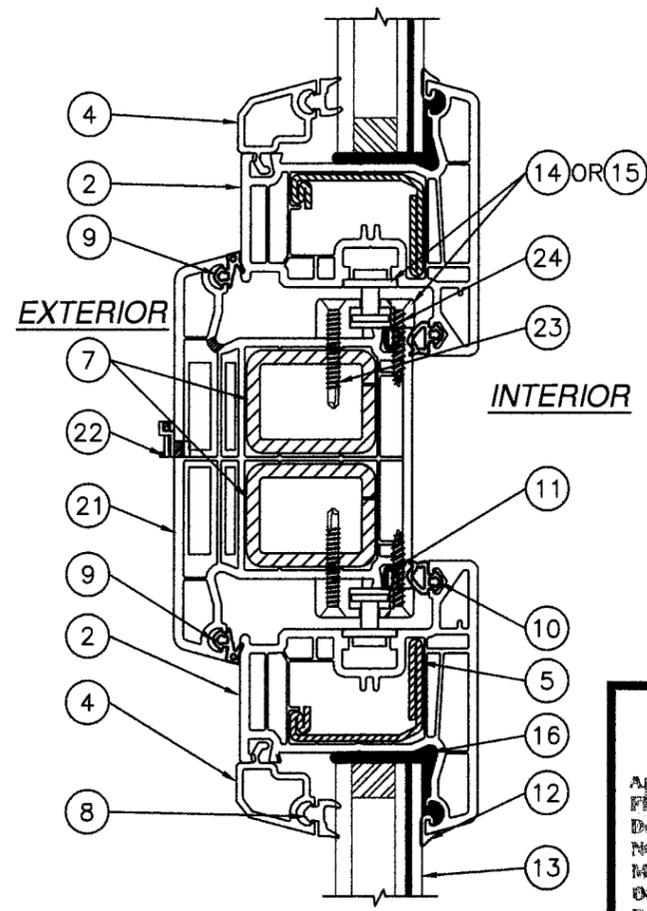
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



(D) HORIZONTAL CROSS SECTION

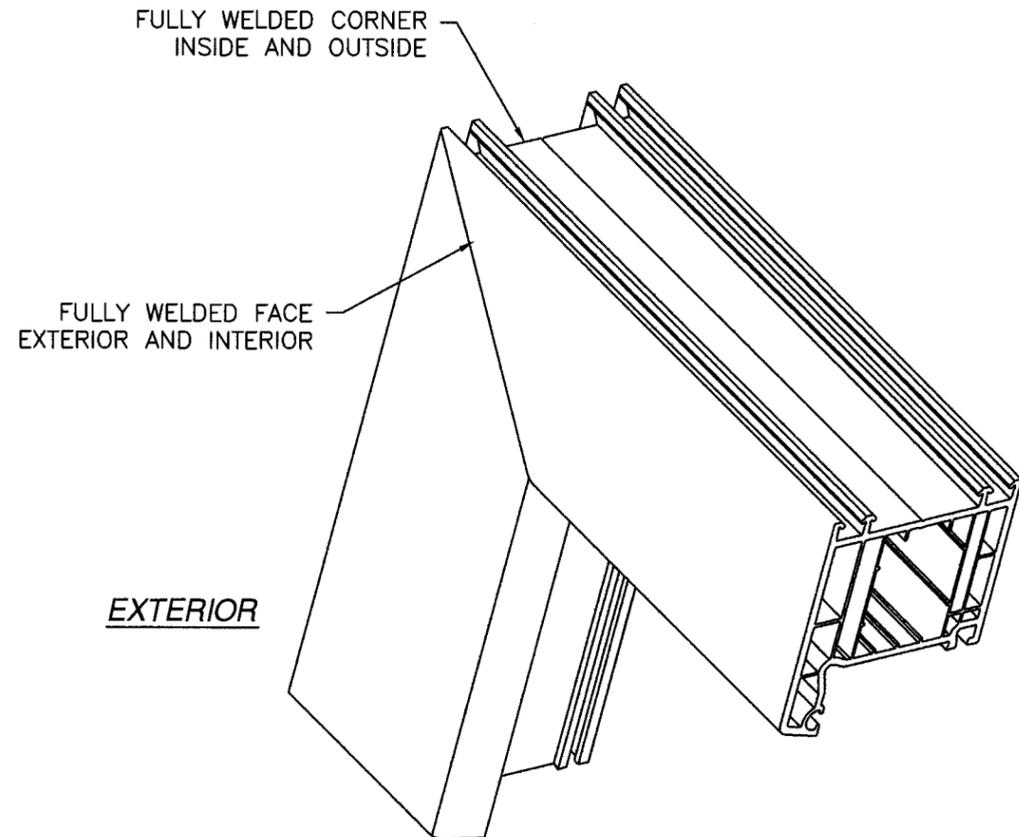


(E) VERTICAL CROSS SECTION

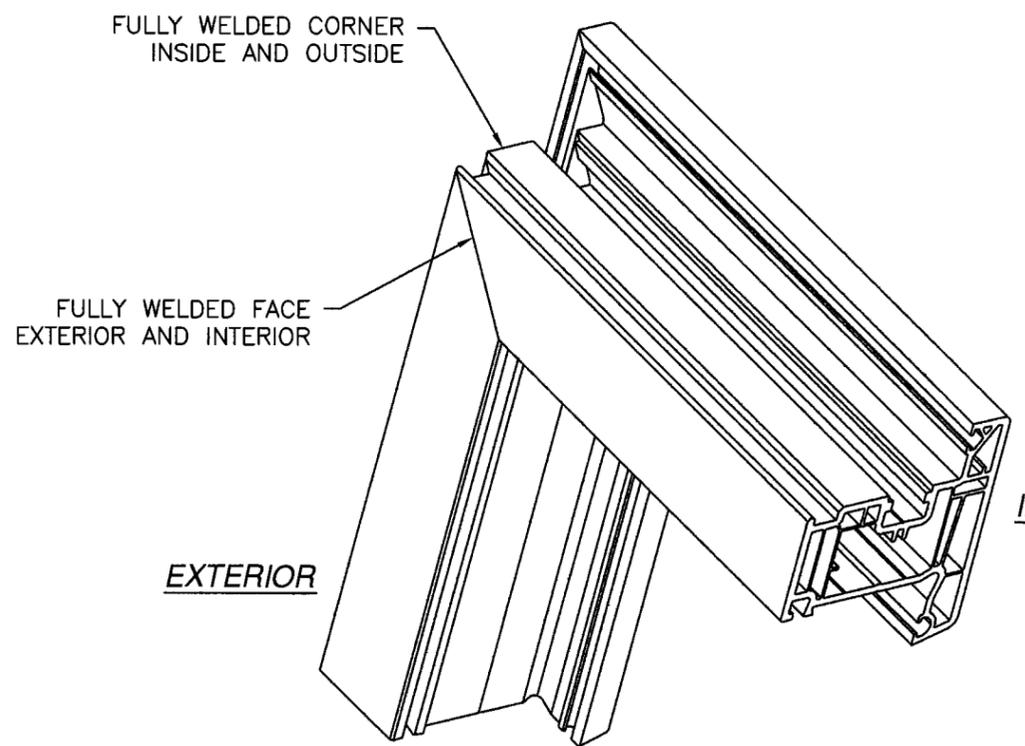


(F) VERTICAL CROSS SECTION

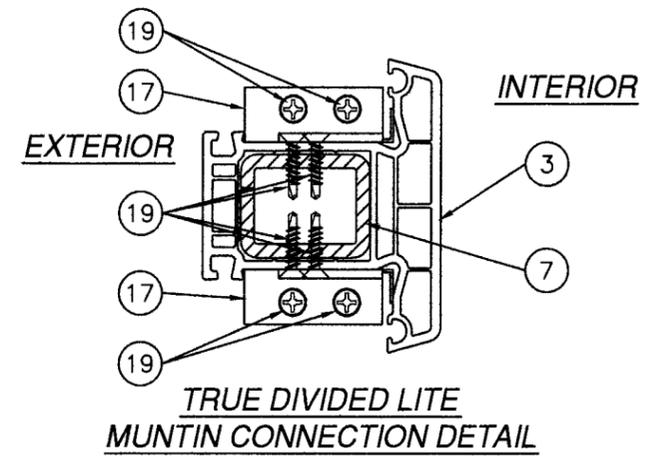
<p>Approved as complying with the Florida Building Code Date <u>Nov. 24, 2010</u> NOA# <u>10-0625.01</u> Miami Dade Product Control By <u>Manuel Perez</u></p>	<p>WinDoor INCORPORATED</p> <p>7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windowinc.com</p>	<p><i>Luis R. Lomas</i> 10/26/10</p>
	<p>SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT CROSS SECTIONS</p>	
<p>DRAWN: TJH</p>	<p>DWG NO. 08-00991</p>	<p>REV A</p>
<p>SCALE NTS</p>	<p>DATE 05/18/10</p>	<p>SHEET 7 OF 16</p>
		<p>Luis R. Lomas P.E. Florida No. 62514</p>



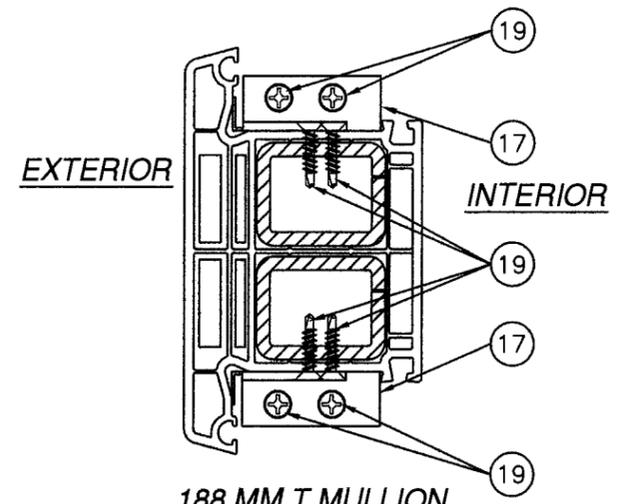
FRAME CONER DETAIL



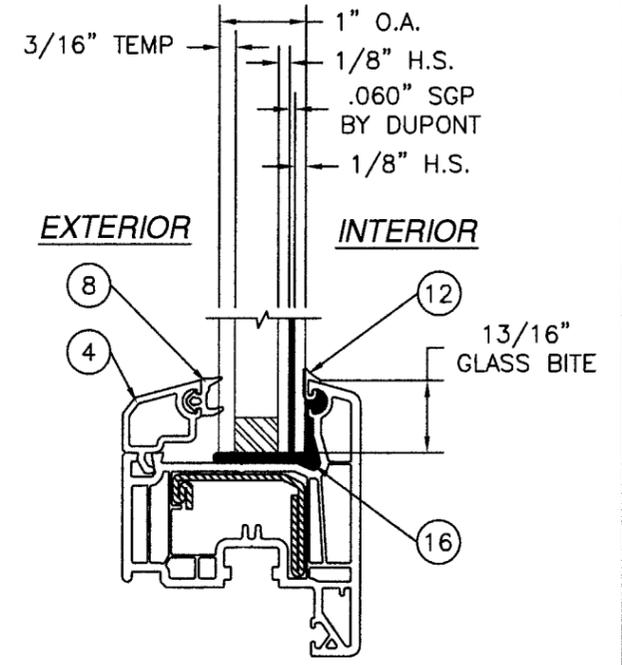
SASH CONER DETAIL



TRUE DIVIDED LITE MUNTIN CONNECTION DETAIL



188 MM T MULLION CONNECTION DETAIL
HORIZONTAL CONNECTION SHOWN,
VERTICAL CONNECTION SIMILAR

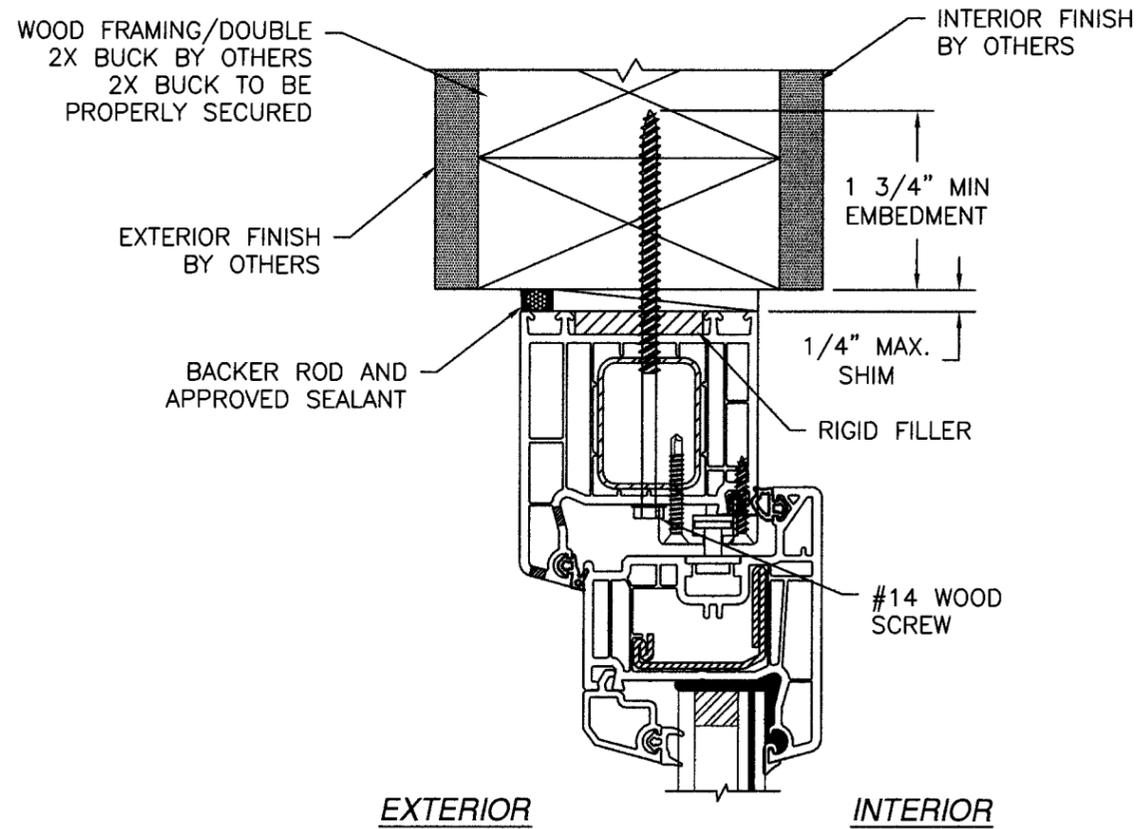


GLAZING DETAIL

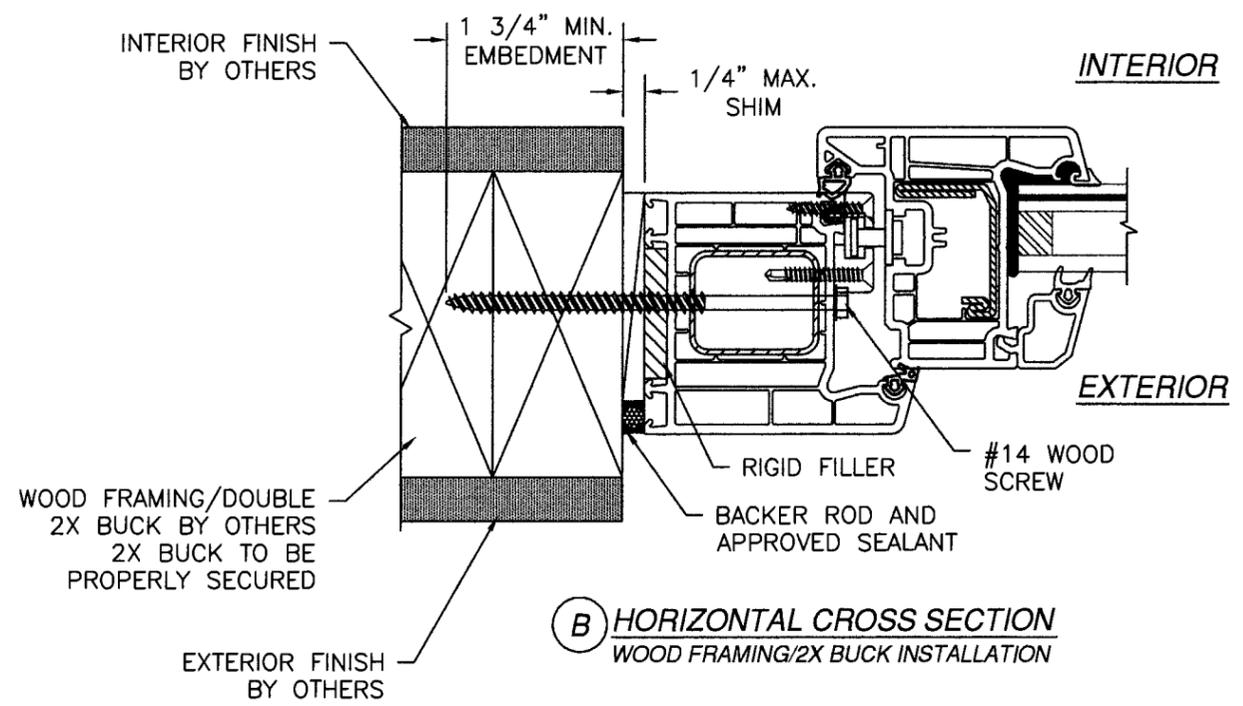
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.

Approved as complying with the Florida Building Code Date: <u>Nov. 24, 2010</u> NCAP <u>10-0623.01</u> Miami Dade Product Control By: <u>Manuel Perez</u>	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	 10/26/10 Luis R. Lomas P.E. Florida No. 62514	
	SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT CORNER CONSTRUCTION AND GLAZING DETAILS		
	DRAWN: TJH SCALE NTS		DWG NO. 08-00991 DATE 05/18/10

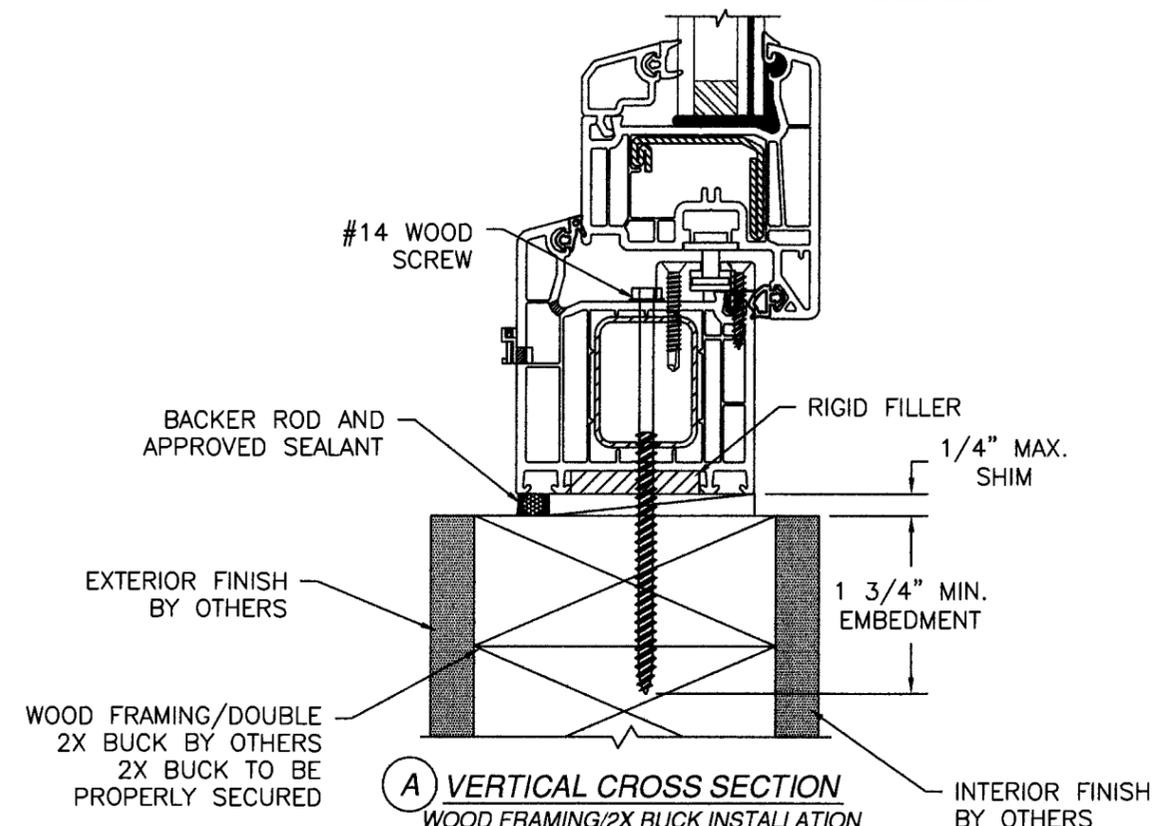
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



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



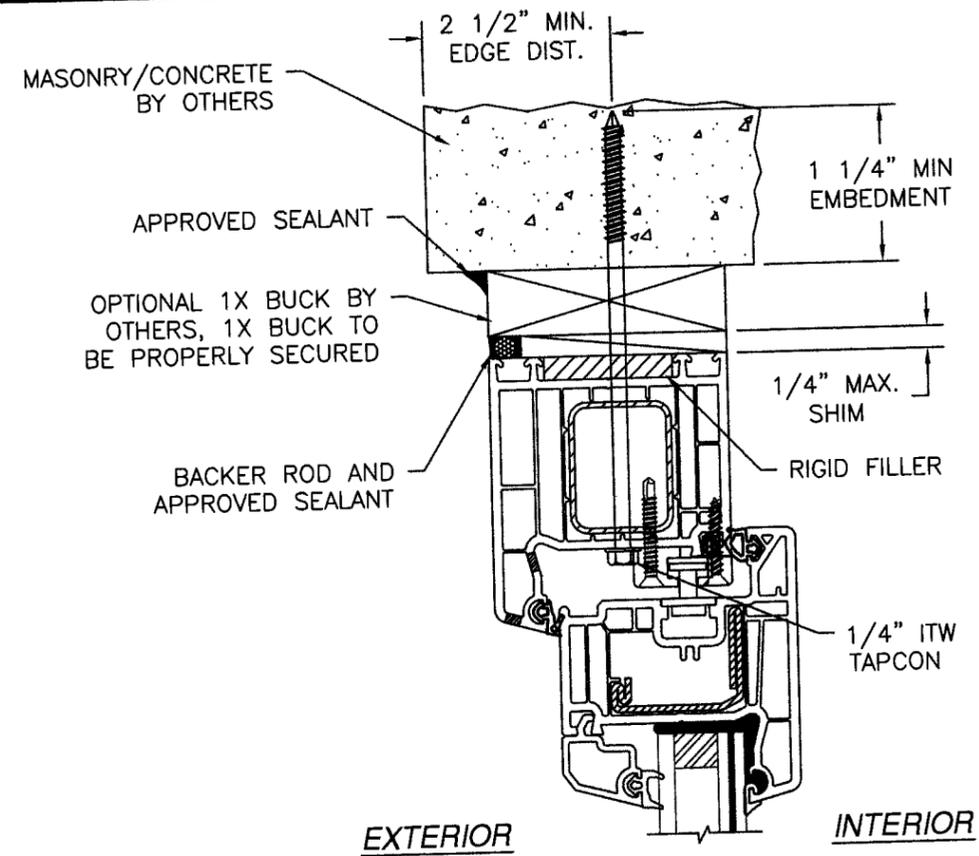
(B) HORIZONTAL CROSS SECTION
WOOD FRAMING/2X BUCK INSTALLATION



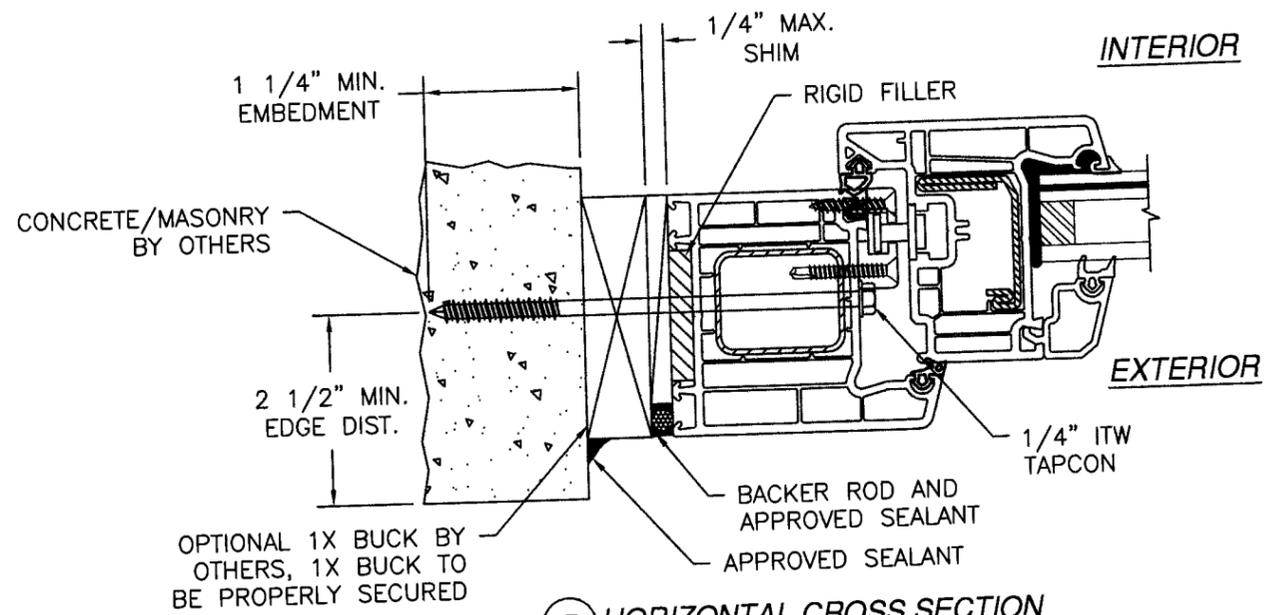
(A) VERTICAL CROSS SECTION
WOOD FRAMING/2X BUCK INSTALLATION
SECTION A SHOWN, SECTIONS C AND E SIMILAR

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 Piz</u>	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	 10/26/10 Luis R. Lomas P.E. Florida No. 62514
	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 9 OF 16

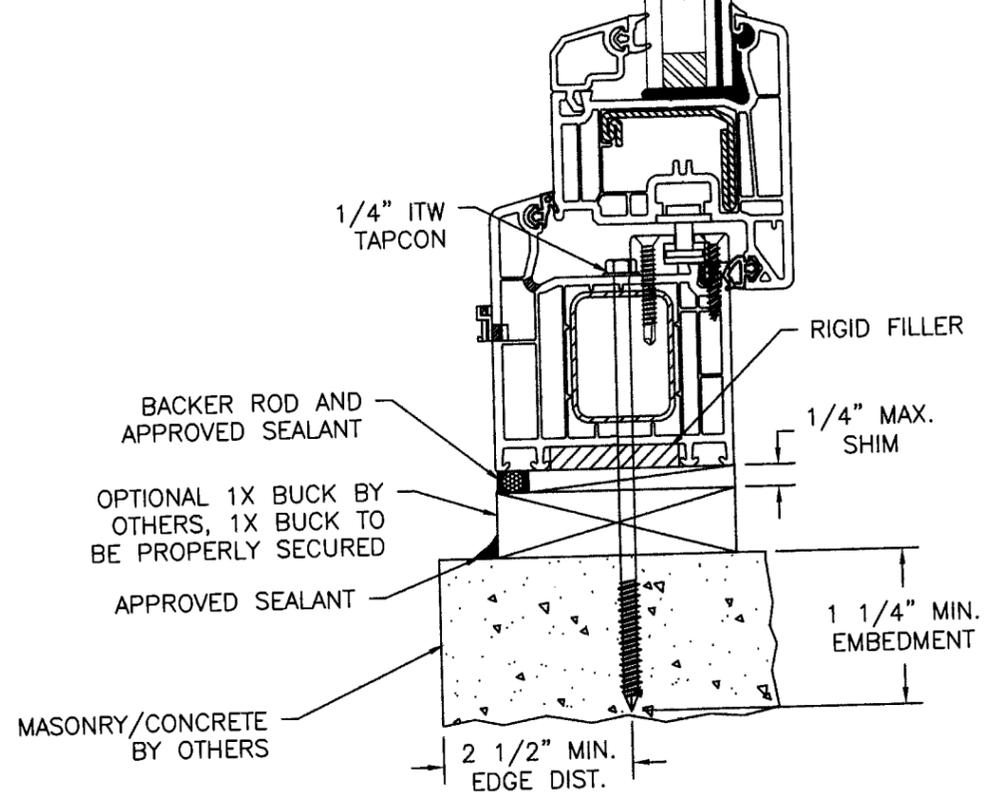
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



(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

Approved as complying with the Florida Building Code
Date: Nov. 24, 2010
NOAH 10-062B.01
Miami Code Product Control Division
By: *[Signature]*

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

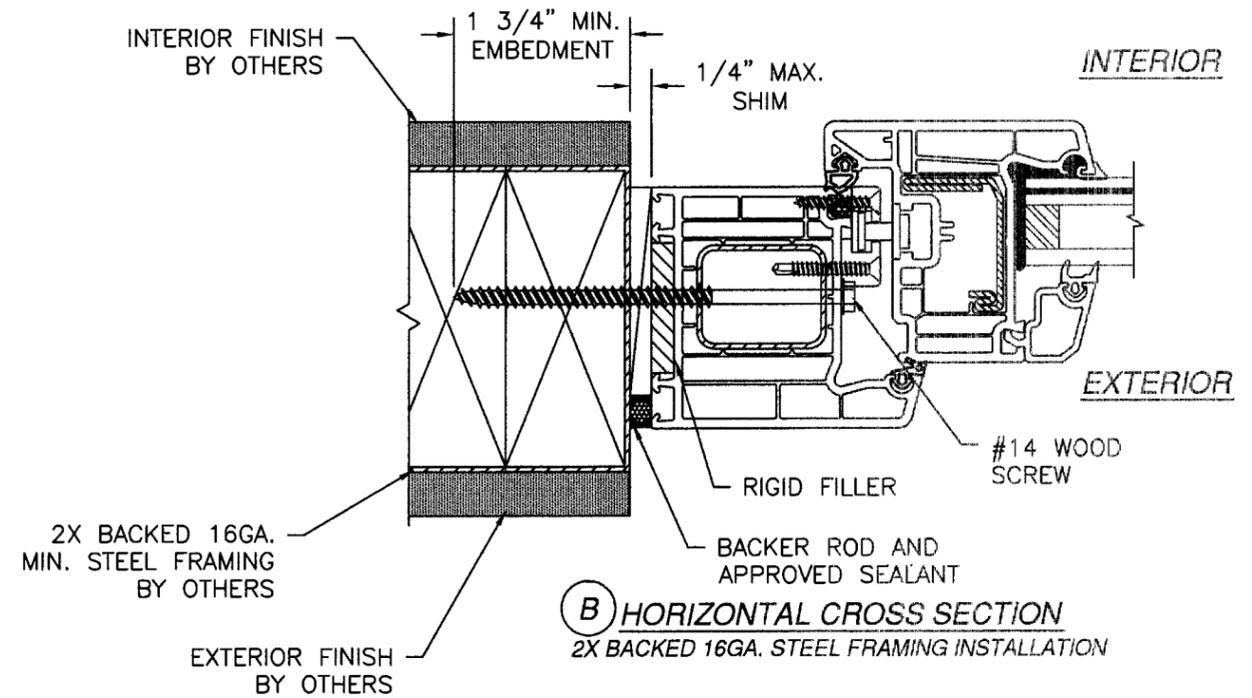
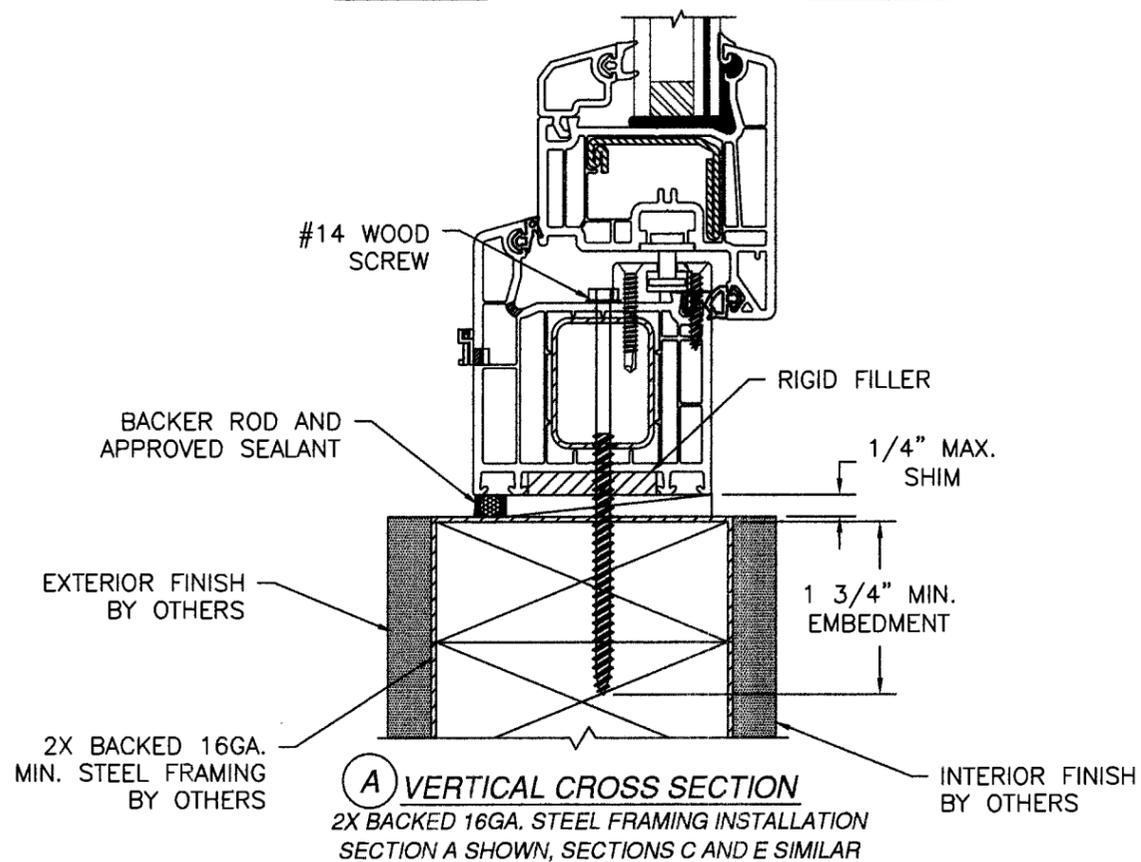
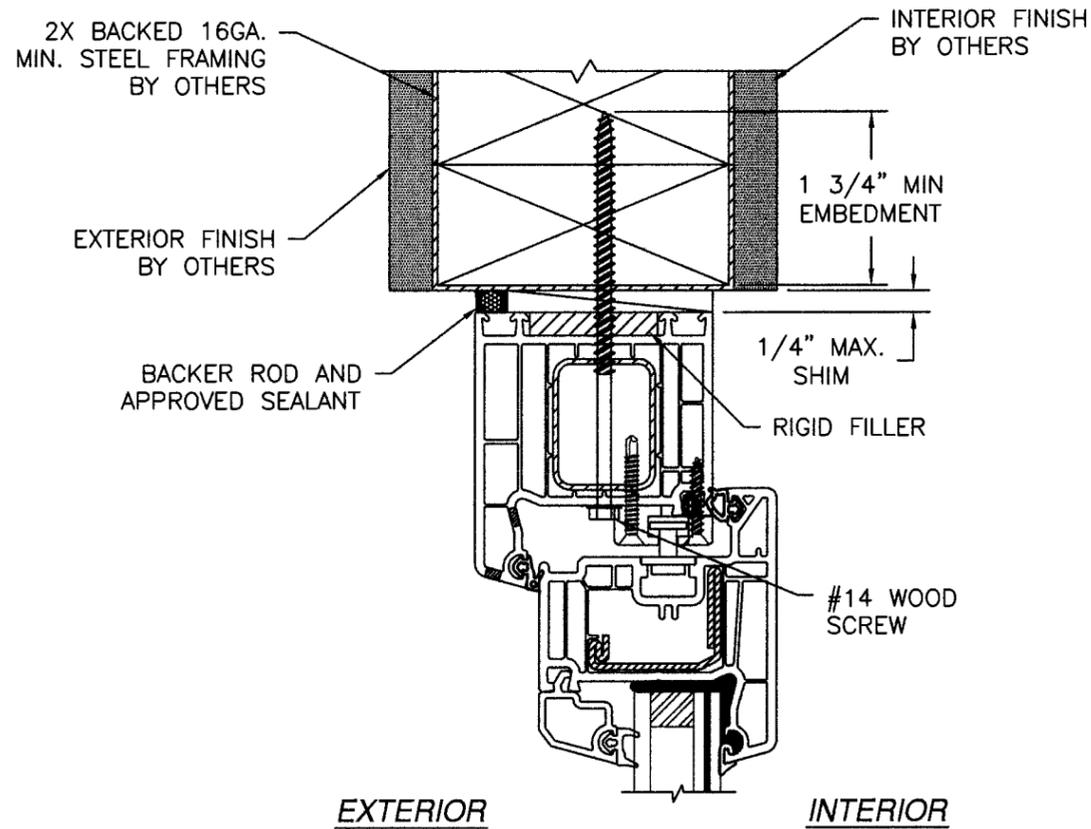
SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT INSTALLATION DETAILS

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

[Signature]
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.



Approved on complying with the Florida Building Code
Date Nov. 24, 2010
NOAH 10-0628-01
Miami Dade Product Control
By Manuel Perez

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windowinc.com

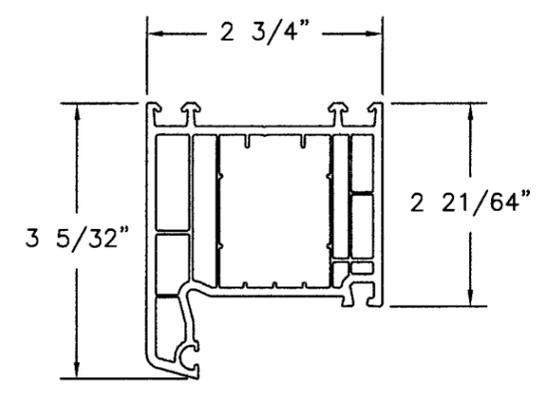
SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT INSTALLATION DETAILS

DRAWN: TJH	DWG NO. 08-00991	REV A
SCALE NTS	DATE 05/18/10	SHEET 11 OF 16

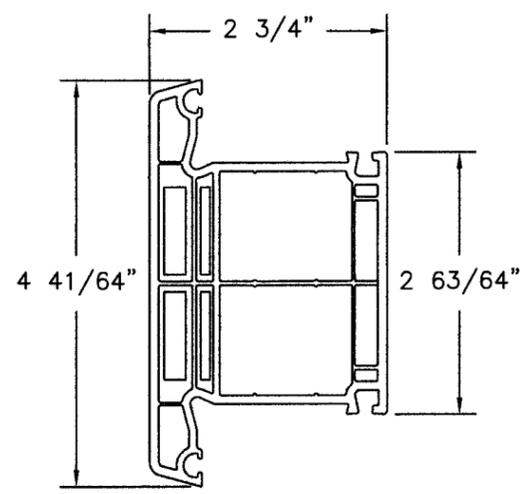
Luis R. Lomas
10/26/10

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.

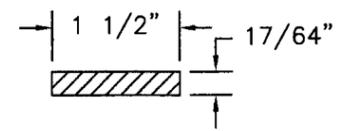


① **FRAME, HEAD, JAMB AND SILL**
WHITE RIGID PVC .110" THICK

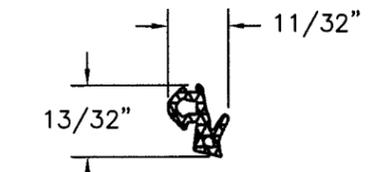


②① **118 MM T MULLION**
WHITE RIGID PVC .110" THICK

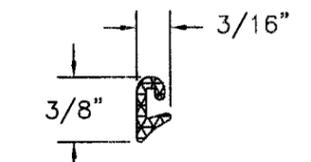
④ **1" GLAZING BEAD**
WHITE RIGID PVC .075" THICK



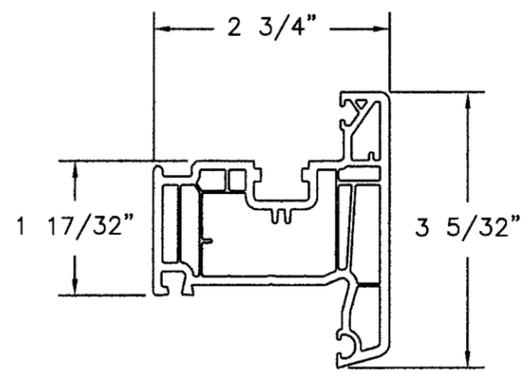
②② **RIGID FILLER**
RIGID PVC



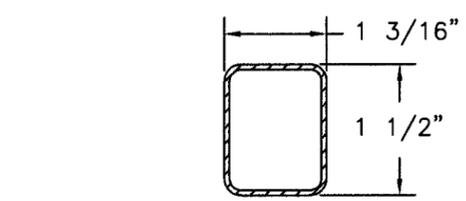
⑨ **GLAZING GASKET**
EPDM DUROMETER 60



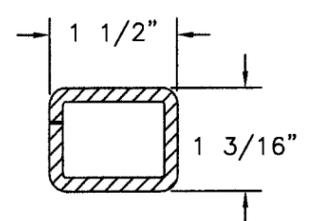
⑫ **VENT GLAZING LEG ADAPTOR**
EPDM DUROMETER 60



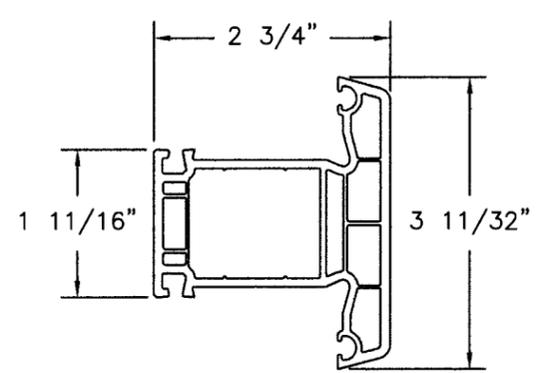
② **PANEL FRAME, STILE AND RAIL**
WHITE RIGID PVC .110" THICK



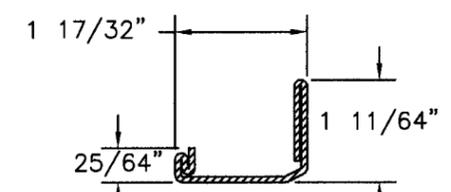
⑥ **18GA. FRAME REINFORCEMENT**
G90 GALVANIZED STEEL .051" THICK MIN.



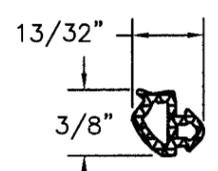
⑦ **9GA. T MULLION REINFORCEMENT**
G90 GALVANIZED STEEL .157" THICK MIN.



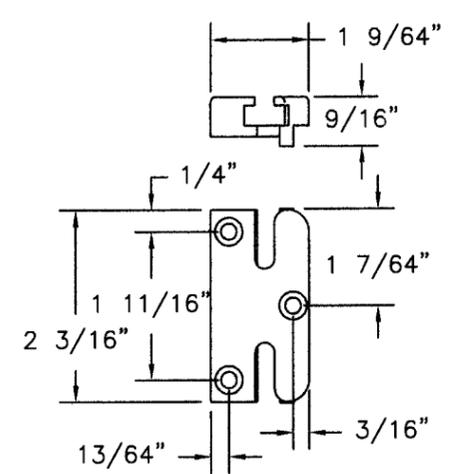
② **85 MM T MULLION**
WHITE RIGID PVC .110" THICK



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

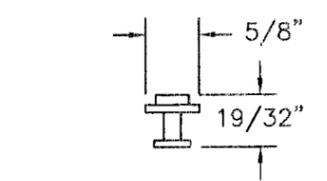


⑩ **GLAZING GASKET**
EPDM DUROMETER 60

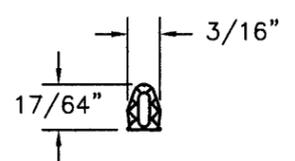


KEEPER

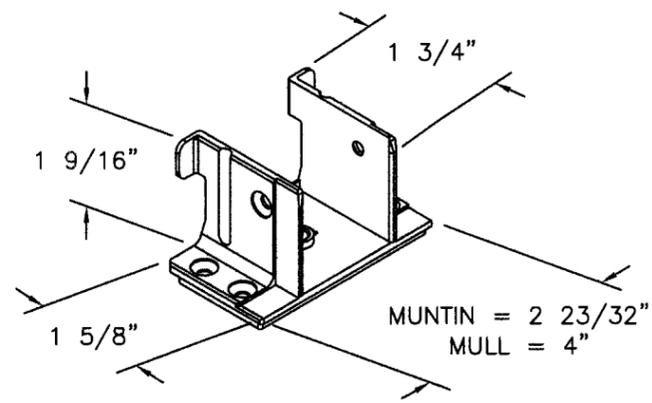
⑭ **MULTI-POINT TILT HARDWARE**
OR
ROTO OR SIEGENIA



MUSHROOM CAM



⑪ **FILLER PROFILE**
EPDM DUROMETER 60



⑬ **CONNECTOR**
ZINC DIECAST

Approved as complying with the Florida Building Code
Date: Nov. 24, 2010
WCA# 10-0623.01
Miscellaneous Product Control
By: [Signature]

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

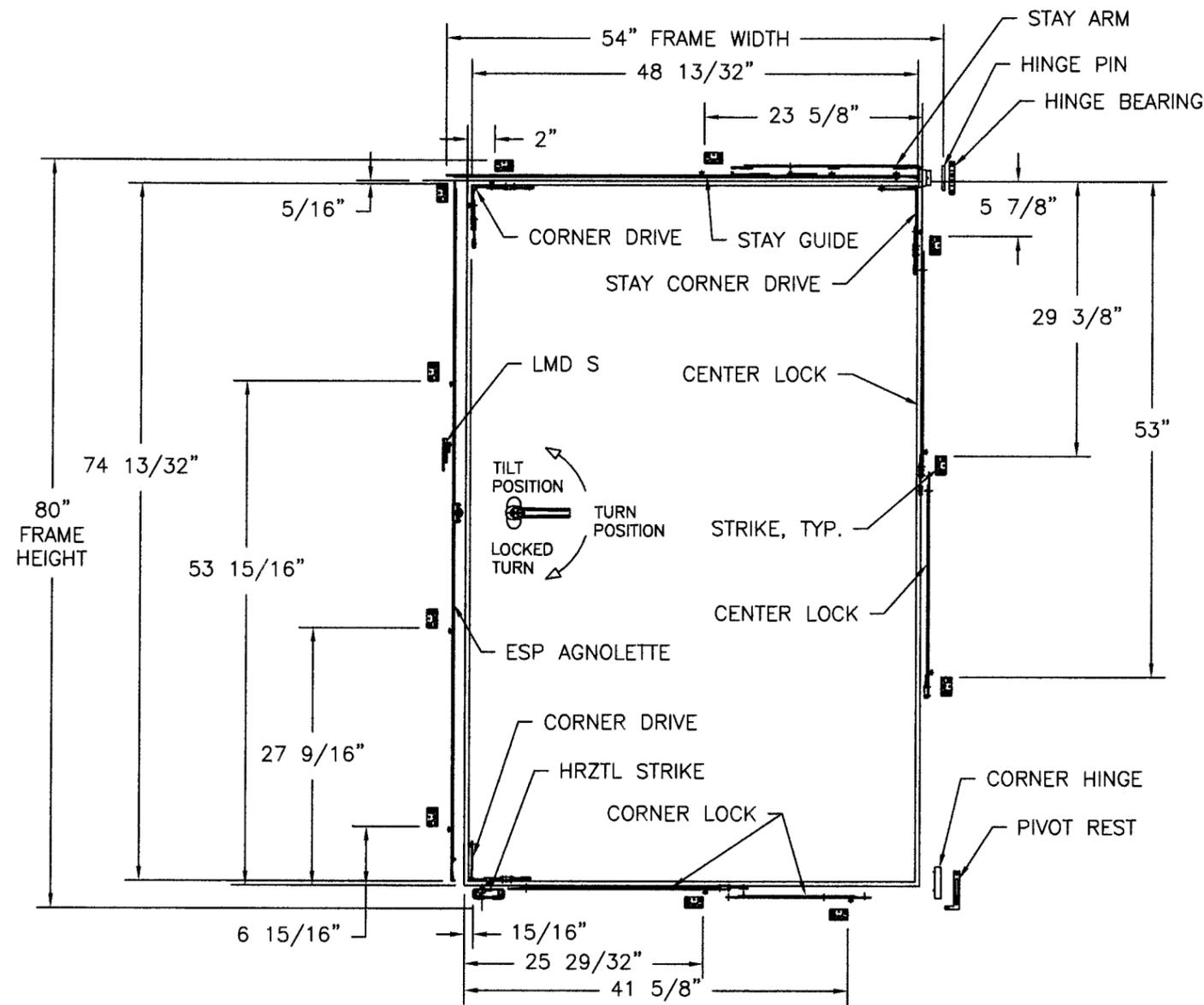
SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT COMPONENTS

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

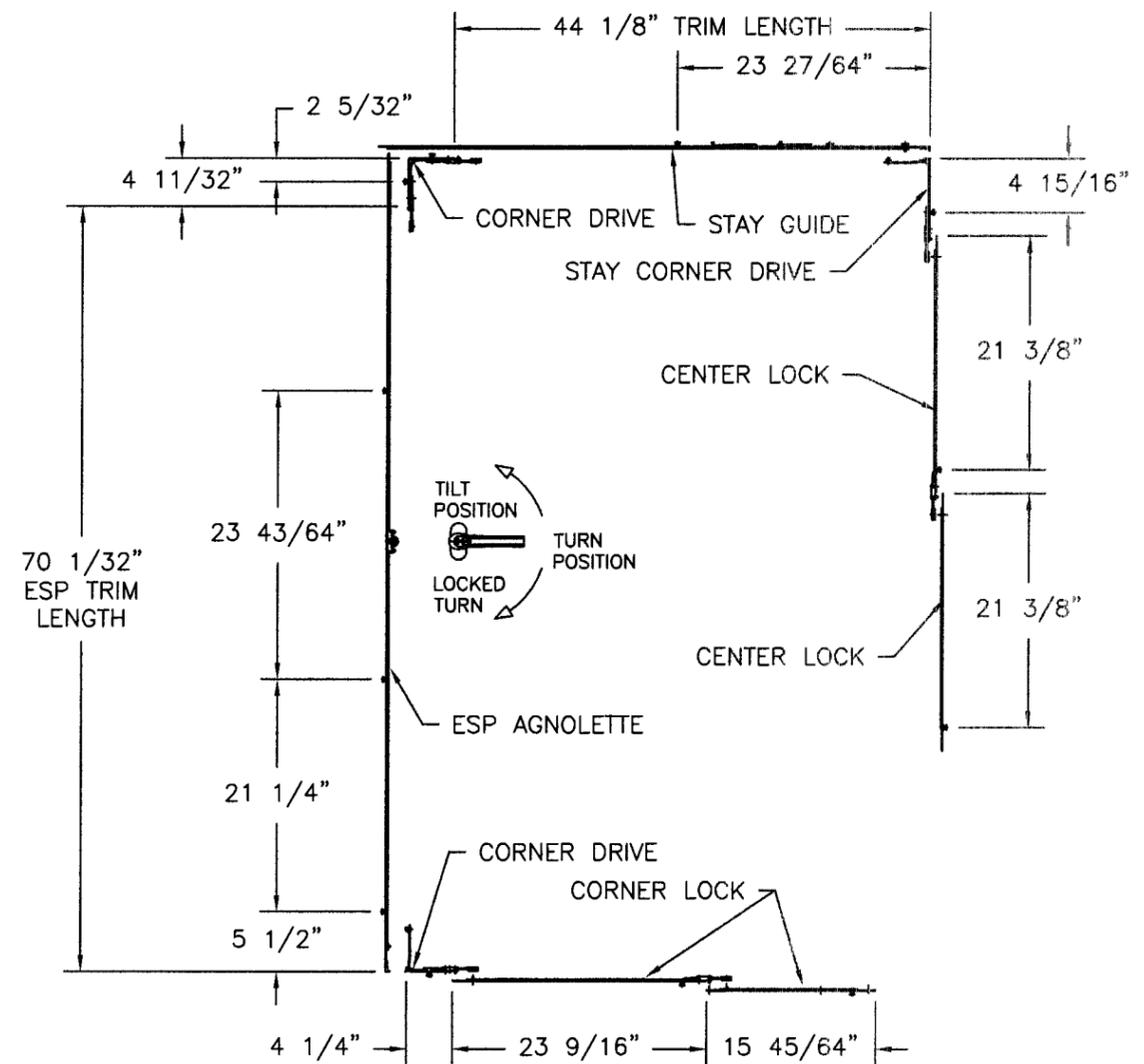
[Signature]
10/26/10

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

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

WinDoor
INCORPORATED

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

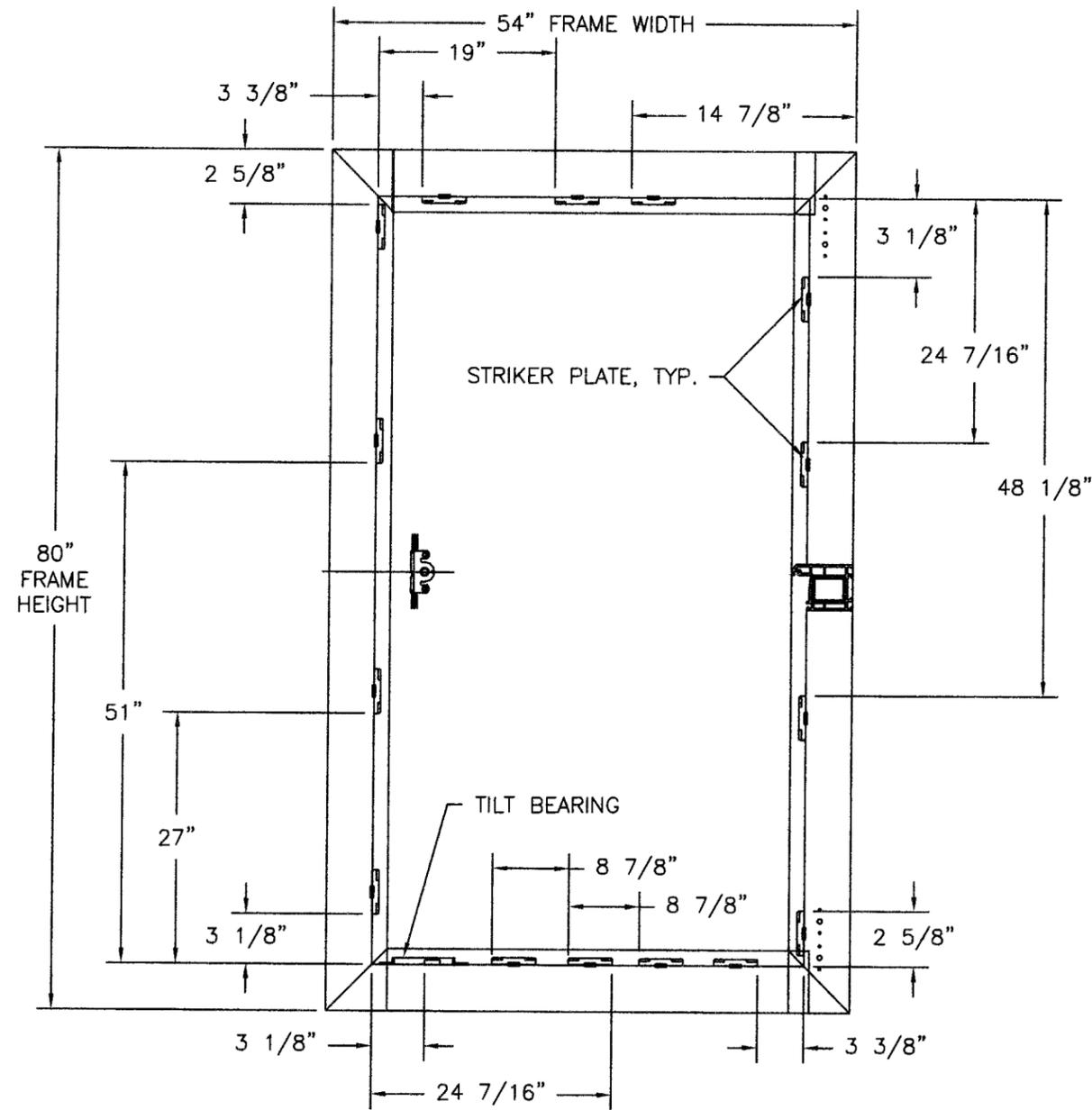
SERIES V-100 PVC DUAL ACTION TILT-TURN
WINDOW - LARGE MISSILE IMPACT
SINGLE ROTO HARDWARE LAYOUT

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

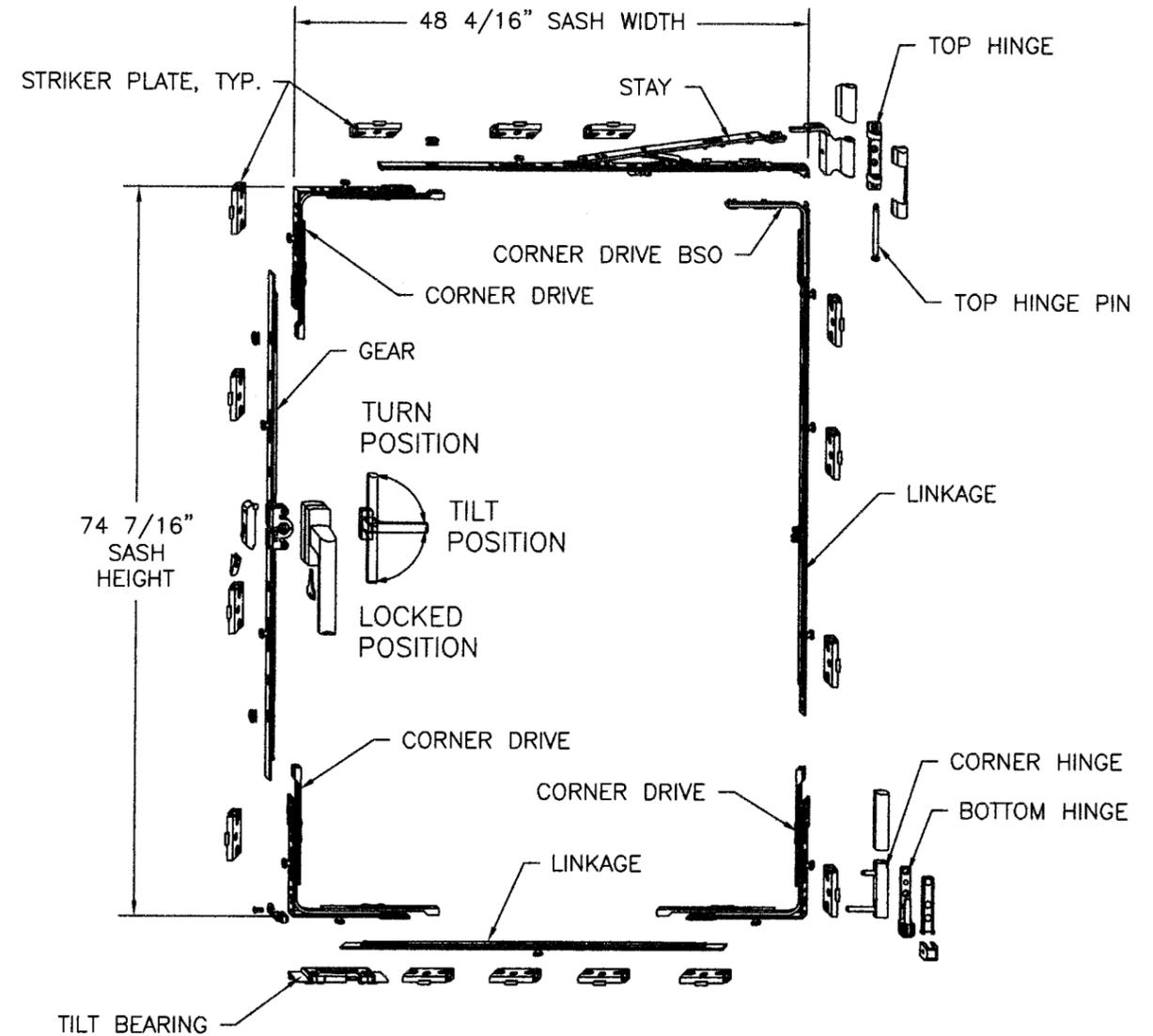
Luis R. Lomas
10/26/10

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

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

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windowinc.com

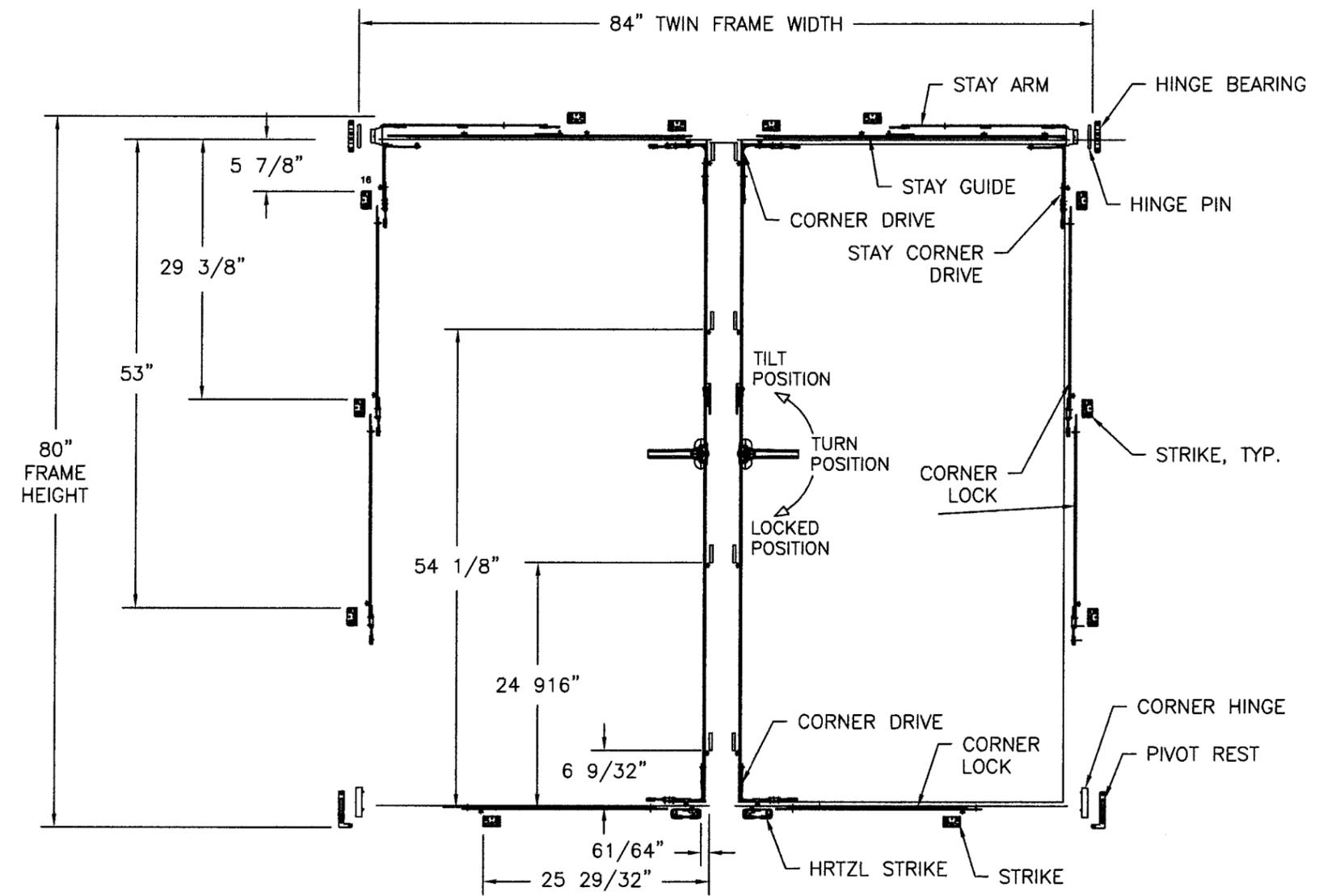
SERIES V-100 PVC DUAL ACTION TILT-TURN
WINDOW - LARGE MISSILE IMPACT
SINGLE SIEGENIA HARDWARE LAYOUT

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

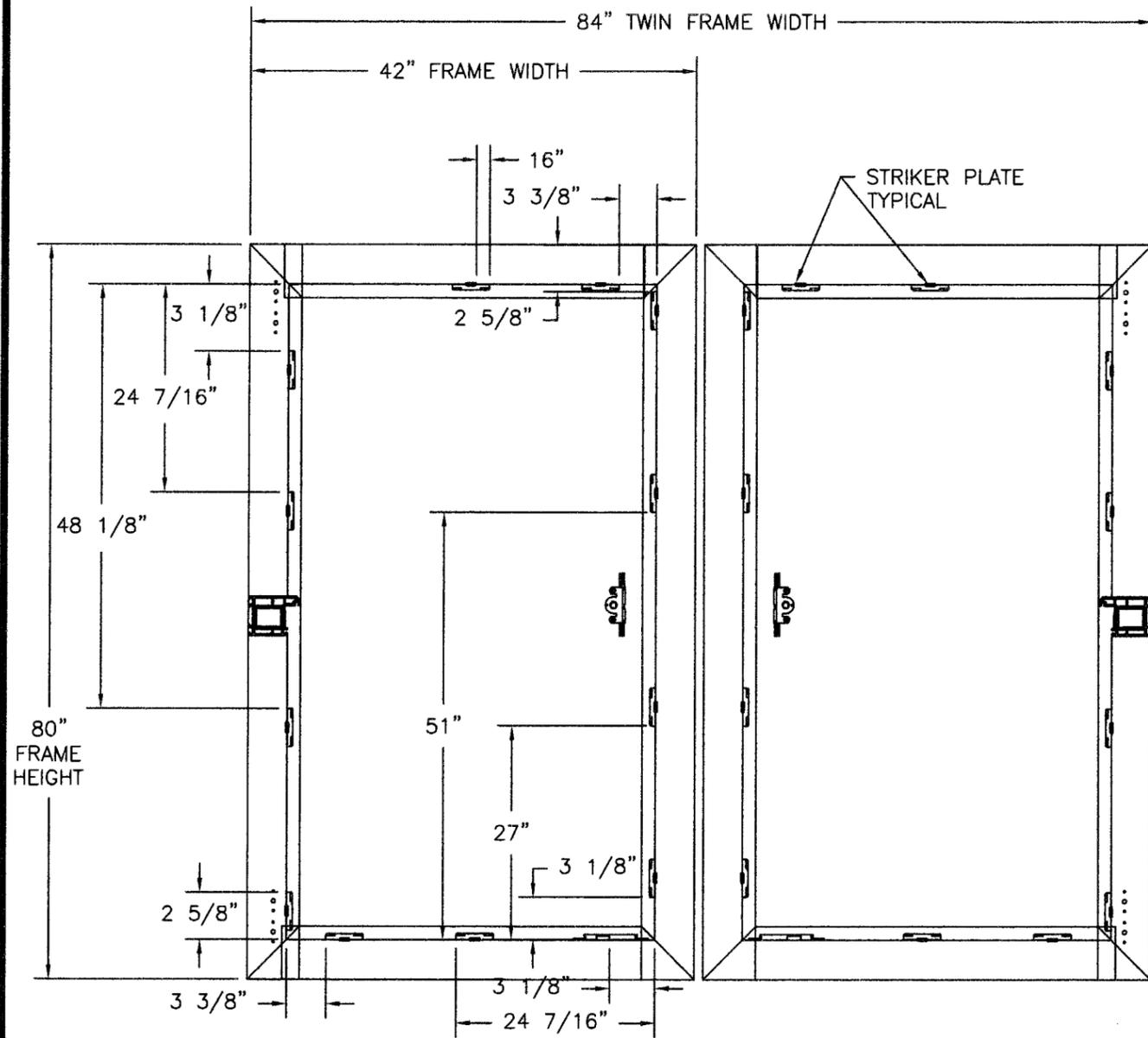
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED OCT. 4, 2010	10/07/10	R.L.



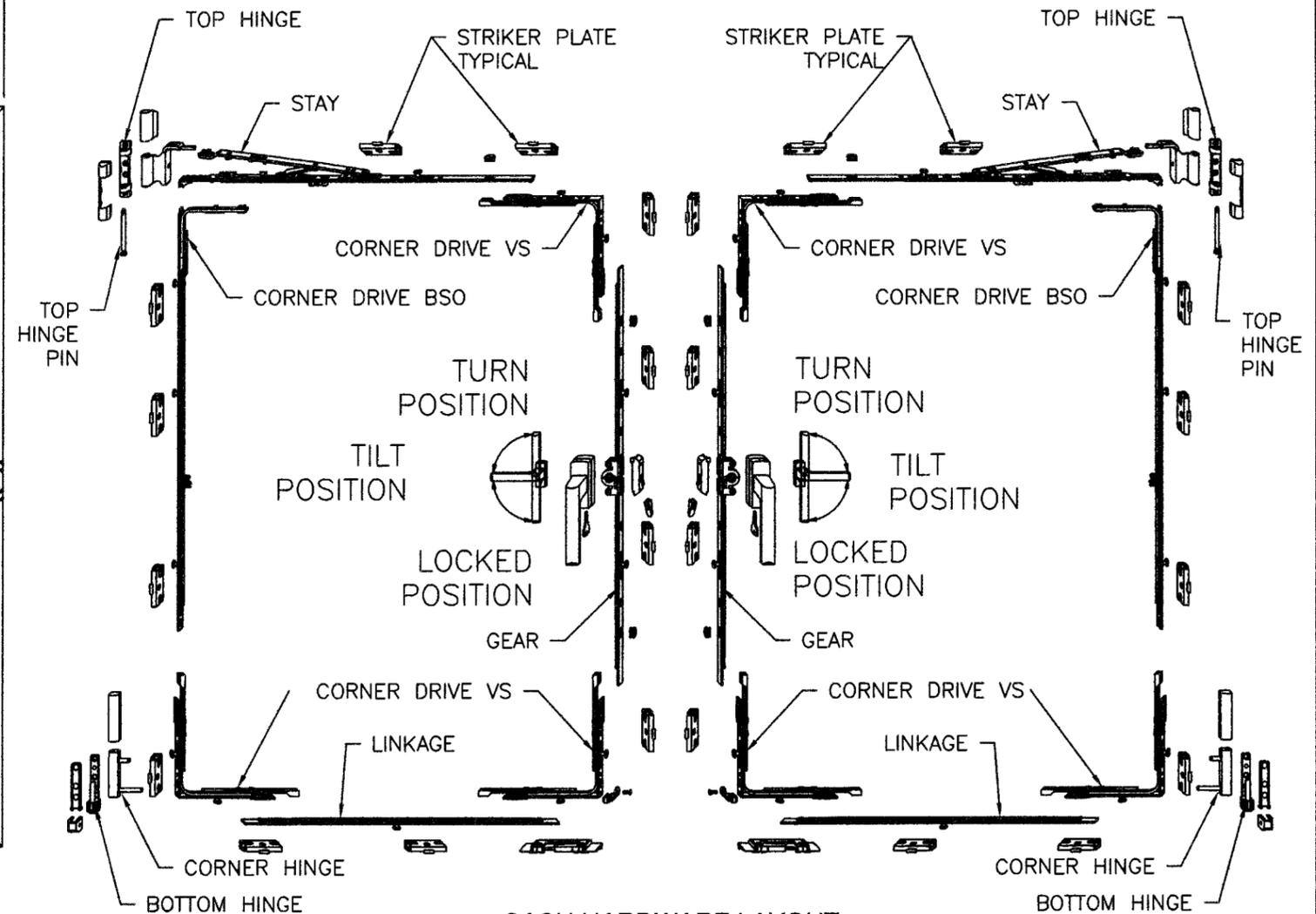
FRAME AND SASH HARDWARE LAYOUT
TWIN UNIT ROTO HARDWARE INTERIOR VIEW

Approved as complying with the Florida Building Code Date: <u>Nov. 24, 2010</u> NOAF: <u>10-0628-01</u> Manual Code Product Control By: <u>Manuel Perez</u>	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	 <u>10/26/10</u> Luis R. Lomas P.E. Florida No. 62514	
	SERIES V-100 PVC DUAL ACTION TILT-TURN WINDOW - LARGE MISSILE IMPACT TWIN ROTO HARDWARE LAYOUT		
	DRAWN: TJH SCALE NTS		DWG NO. 08-00991 DATE 05/18/10

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



FRAME HARDWARE LAYOUT
TWIN UNIT SIEGENIA HARDWARE INTERIOR VIEW



SASH HARDWARE LAYOUT
TWIN UNIT SIEGENIA HARDWARE INTERIOR VIEW

Approved as complying with the
Florida Building Code
Date: Nov. 24, 2010
NCA# 10-0628-D1
Miami Dade Product Control
By: Manuel Perez

WinDoor
INCORPORATED

7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windowinc.com

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