



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
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/pera/

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-600/V-630 Single and Field Muller" White PVC Fixed Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. 08-01124, titled "Series V-600/ V-630 PVC Single and Field Muller Casement Window - LMI", sheets 1 through 11 of 11, dated 11/08/10, with revision A, dated 02/11/11, 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 # 10-1223.01 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
7/31/27/12

NOA No. 12-0130.22
Expiration Date: May 12, 2016
Approval Date: April 05, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **08-01124**, Sheets 1 through 11 of 11, titled "Series V-600/ V-630 PVC Single and Field Mulled Casement Window - LMI", dated 11/08/10, with revision A, dated 02/11/11, 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
along with marked-up drawings and installation diagram of series V-630 vinyl picture windows, prepared by National Certified Testing Laboratories, Test Reports No. **NCTL-210-3675-5** and **NCTL-210-3675-6**, dated 04/07 and 08/11/10, both signed and sealed by Gerard J. Ferrara, P.E. (*Submitted under previous NOA#10-1223.01*)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 11/08/10, prepared, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with ASTM E1300-04 (*Submitted under NOA#10-1223.01*)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

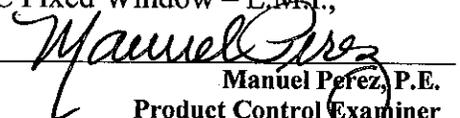
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **08-0620.10** issued to **VEKA, Inc.** for "**PVC Extrusion for Assembled Doors & Windows**" dated 08/07/08, expiring on 03/04/12.

F. STATEMENTS

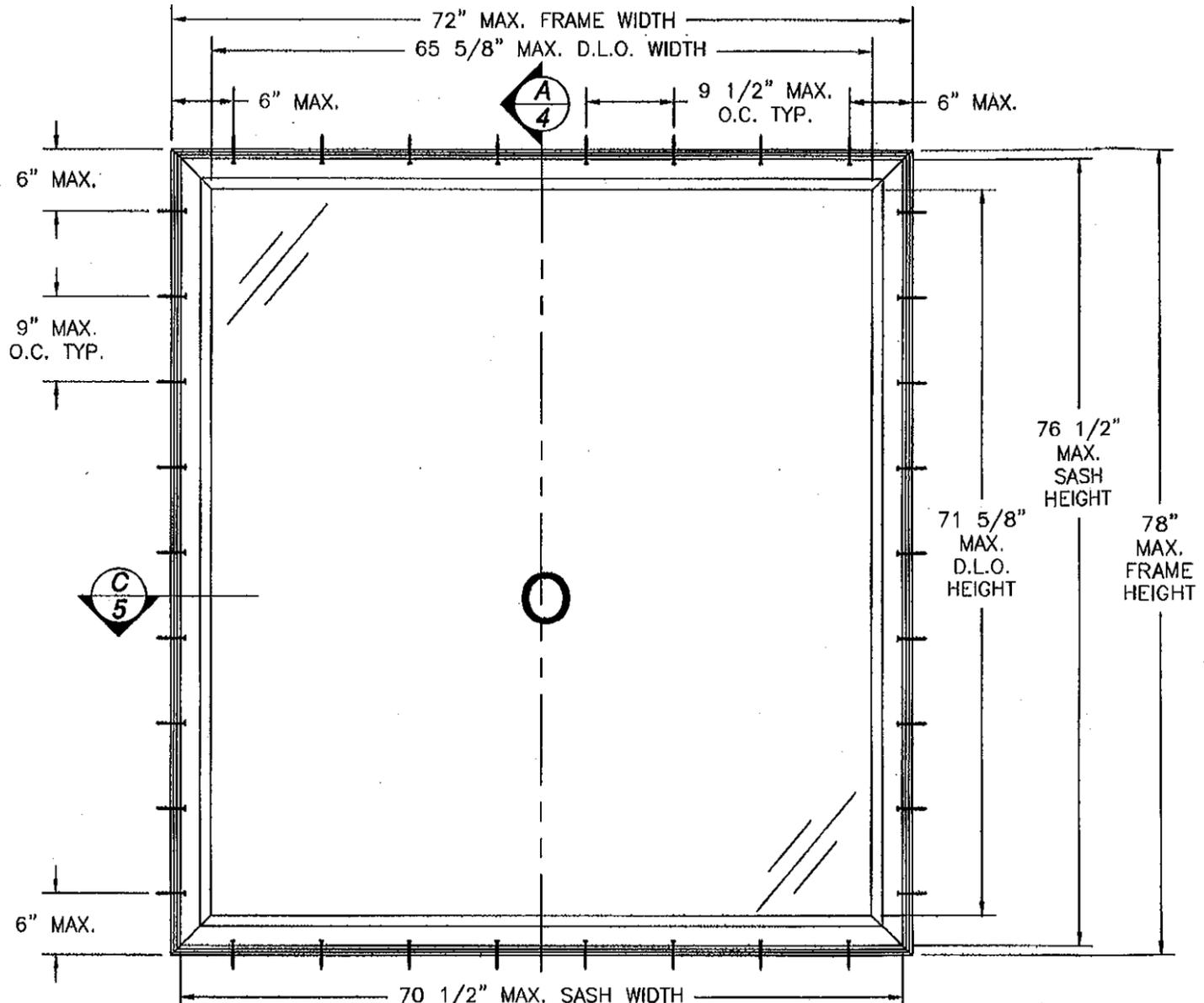
1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated January 19, 2012, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letter for Test Reports No. **NCTL-210-3675-5** & **NCTL-210-3675-6**, issued by National Certified Testing Laboratories, dated 08/12/10, both signed and sealed by Gerard J. Ferrara, P. E. (*Submitted under NOA#10-1223.01*)

G. OTHER

1. Notice of Acceptance No. **10-1223.01**, issued to WinDoor, Inc. for their Series "V-600/V-630 Single and Field Mulled" White PVC Fixed Window - L.M.I., approved on 05/12/11 and expiring on 05/12/16.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0130.22
Expiration Date: May 12, 2016
Approval Date: April 05, 2012

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



SERIES V-630 WHITE PVC SINGLE FIXED CASEMENT WINDOW
EXTERIOR VIEW

| DESIGN PRESSURE RATING | IMPACT RATING |
|-------------------------|-------------------------|
| +80.0 PSF -130.0 PSF | LARGE MISSILE IMPACT |

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0130-22
Expiration Date MAY 12, 2016
By *Mmanuel Cruz*
Miami Dade Product Control

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 MATERIAL: EXTRUDED RIGID WHITE PVC .071" THICK.
SASH MATERIAL: EXTRUDED RIGID WHITE PVC .075" THICK.
- 6) UNITS MUST BE GLAZED PER ASTM E1300. SEE SHEET 5 FOR GLAZING DETAIL.
- 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 WINDOW FRAME INTO MASONRY/CONCRETE USE 3/16" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 5/8" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 10) FOR ANCHORING WINDOW FRAME INTO 2X WOOD FRAMING, 2X BUCK OR 2X BACKED 20GA. STEEL FRAMING USE #10 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 11) FOR ATTACHING WINDOW UNITS TO MULLION USE #10 SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE MULLION WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 12) ALL FASTENERS TO BE STAINLESS STEEL OR CORROSION RESISTANT.
- 13) 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 20GA. (.036" MIN.) STEEL FRAMING.
- 14) SERIES V-600 IS OPERABLE CASEMENT AND SERIES V-630 IS FIXED CASEMENT. SEE CROSS SECTIONS SHEETS 4 AND 5.

| TABLE OF CONTENTS | |
|-------------------|--|
| SHEET NO. | DESCRIPTION |
| 1 - 3 | ELEVATION, ANCHORING LAYOUT AND NOTES |
| 4 | BILL OF MATERIALS AND CROSS SECTIONS |
| 5 | CROSS SECTIONS, CORNER AND GLAZING DETAILS |
| 6 - 9 | INSTALLATION DETAILS |
| 10 | COMPONENTS |
| 11 | HARDWARE LAYOUT |

Approved as complying with the
Florida Building Code
Date 06/12/2011
NOA# 10-1223-01
Miami Dade Product Control
By *[Signature]*

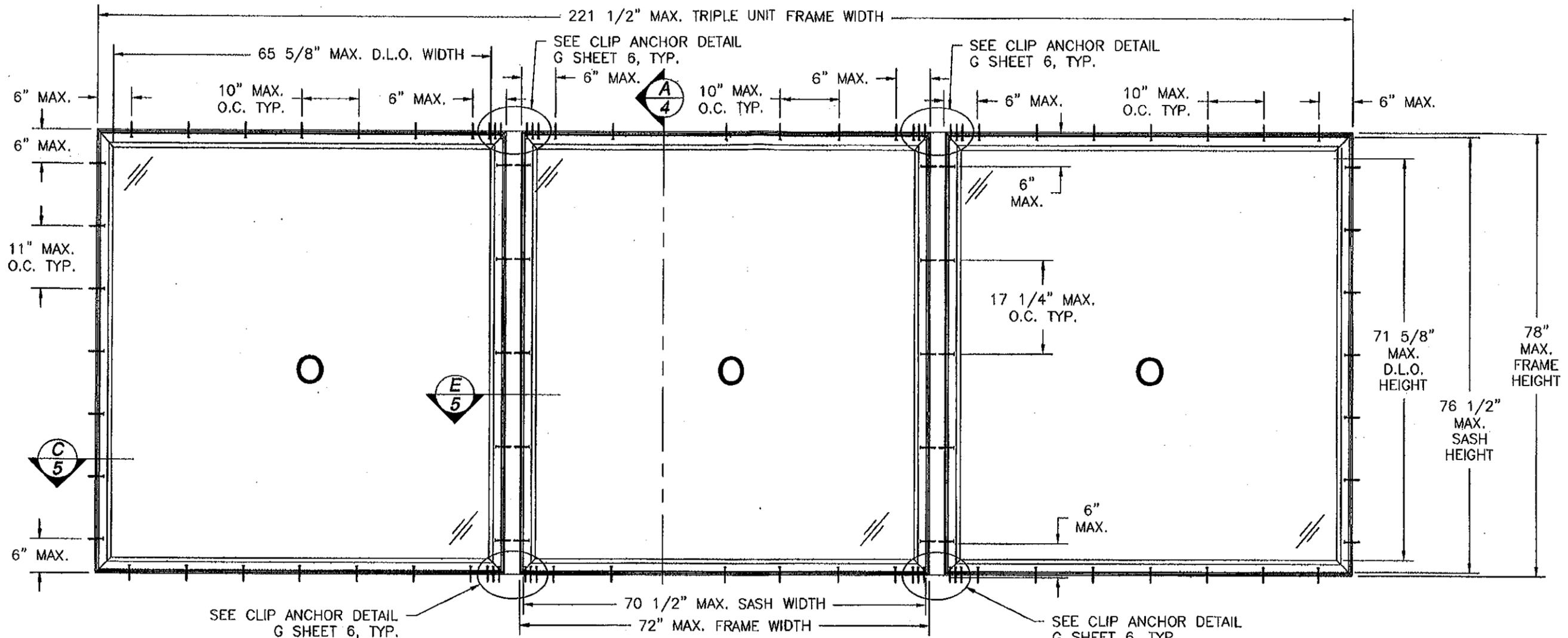
WinDoor
INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0905
www.windoorinc.com

SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD
MULLED CASEMENT WINDOW - LMI
ELEVATION, ANCHORING LAYOUT AND NOTES

| | | |
|---------------|---------------------|---------------|
| DRAWN: TJH | DWG NO. 08-01124 | REV A |
| SCALE | DATE 11/08/10 | SHEET 1 OF 11 |

[Signature]
3/8/11
Luis R. Lomas P.E.
Florida, No. 62514

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



SERIES V-630 WHITE PVC FIELD MULLED FIXED CASEMENT WINDOW

EXTERIOR VIEW
 TRIPLE MULLED UNIT SHOWN, UNLIMITED NUMBER OF UNITS MAY BE MULLED TOGETHER AS LONG AS INDIVIDUAL UNIT SIZE DOES NOT EXCEED WIDTH AND HEIGHT SHOWN ABOVE
 SEE NOTE SHEET 3

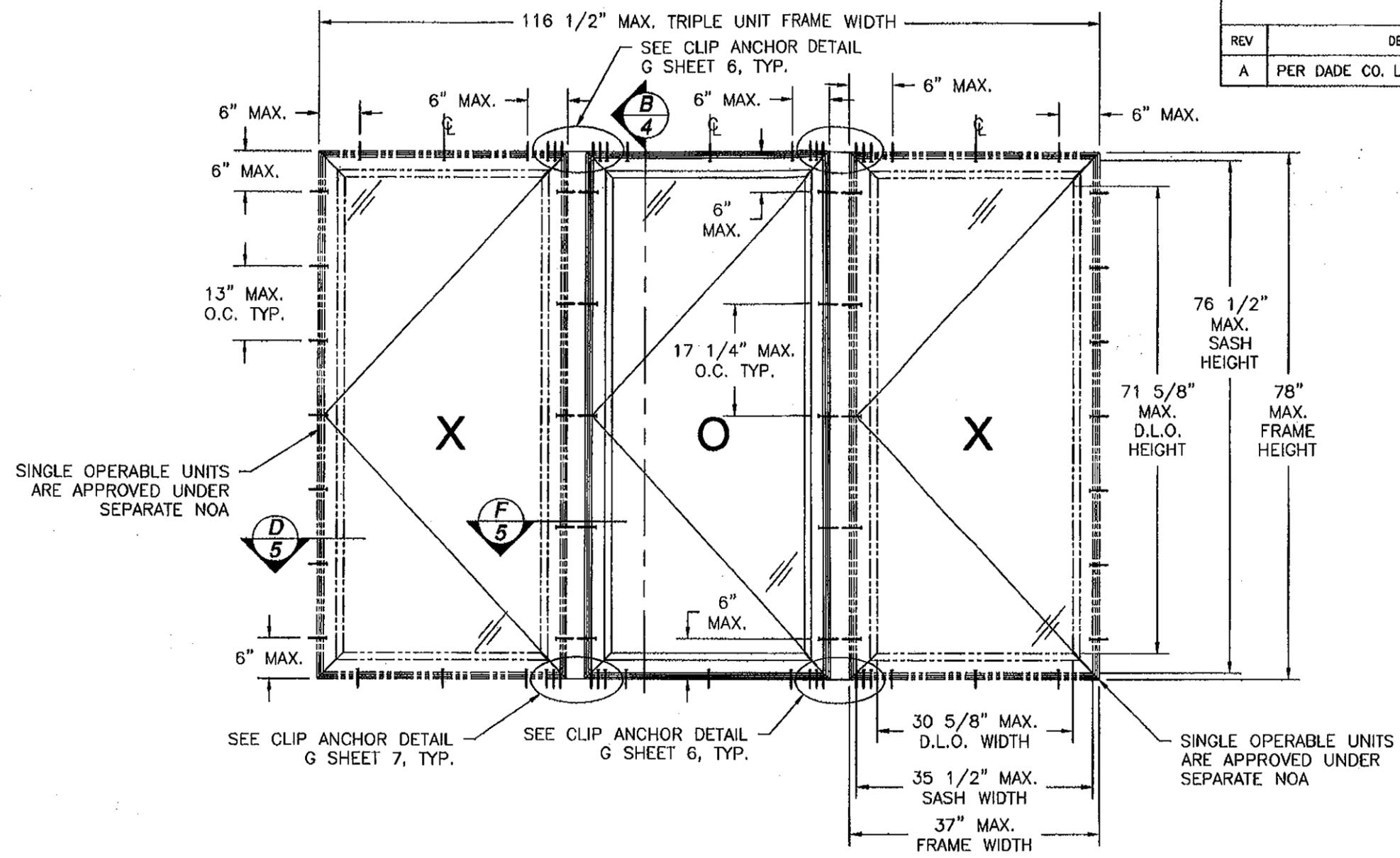
| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|----------------------|
| +80.0 PSF -90.0 PSF | LARGE MISSILE IMPACT |

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 12-0130-22
 Expiration Date May 12, 2016
 By *Manuel Perez*
 Miami/Dade Product Control

- NOTES:
- 1) OPERABLE AND FIXED UNITS MAY BE MULLED TOGETHER. OPERABLE UNITS MAY NOT EXCEED INDIVIDUAL UNIT SIZE SHOWN IN SHEET 3. FIXED UNITS MAY NOT EXCEED INDIVIDUAL UNIT SIZE SHOWN IN THIS SHEET.
 - 2) WHEN AN OPERABLE WINDOW IS PART OF MULLED CONFIGURATION AND FIXED UNIT WIDTH IS LARGER THAN 37" THE LOWER DESIGN PRESSURE OF THE FIXED MULLED UNIT WILL APPLY. SEE THIS SHEET FOR DESIGN PRESSURE.
 - 3) FOR MULLED UNITS CONTAINING OPERABLE AND FIXED WINDOWS 37" WIDE OR SMALLER SEE SHEET 3 FOR DESIGN PRESSURE.

| | | |
|---|---|---|
| Approved as complying with the Florida Building Code Date 06/12/2011 NOA# 10-1223-01 Miami/Dade Product Control By <i>[Signature]</i> | WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com | <i>[Signature]</i> Luis R. Romas P.E. Florida No. 62514 |
| | SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI ELEVATION, ANCHORING LAYOUT AND NOTES | |
| DRAWN: TJH SCALE: | DWG NO. 08-01124 DATE 11/08/10 | REV A SHEET 2 OF 11 |

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



SERIES V-600/V-630 WHITE PVC FIELD MULLED CASEMENT WINDOW
EXTERIOR VIEW

TRIPLE MULLED UNIT SHOWN, UNLIMITED NUMBER OF UNITS MAY BE MULLED TOGETHER AS LONG AS INDIVIDUAL UNIT SIZE DOES NOT EXCEED WIDTH AND HEIGHT SHOWN ABOVE. SEE NOTE SHEET 3. SEE SHEET 11 FOR LOCKING HARDWARE LOCATIONS.

| DESIGN PRESSURE RATING | IMPACT RATING |
|-------------------------|----------------------|
| +80.0 PSF -120.0 PSF | LARGE MISSILE IMPACT |

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0130.22 Expiration Date MAY 12, 2016
By *Maurice Perez*
Miami Dade Product Control

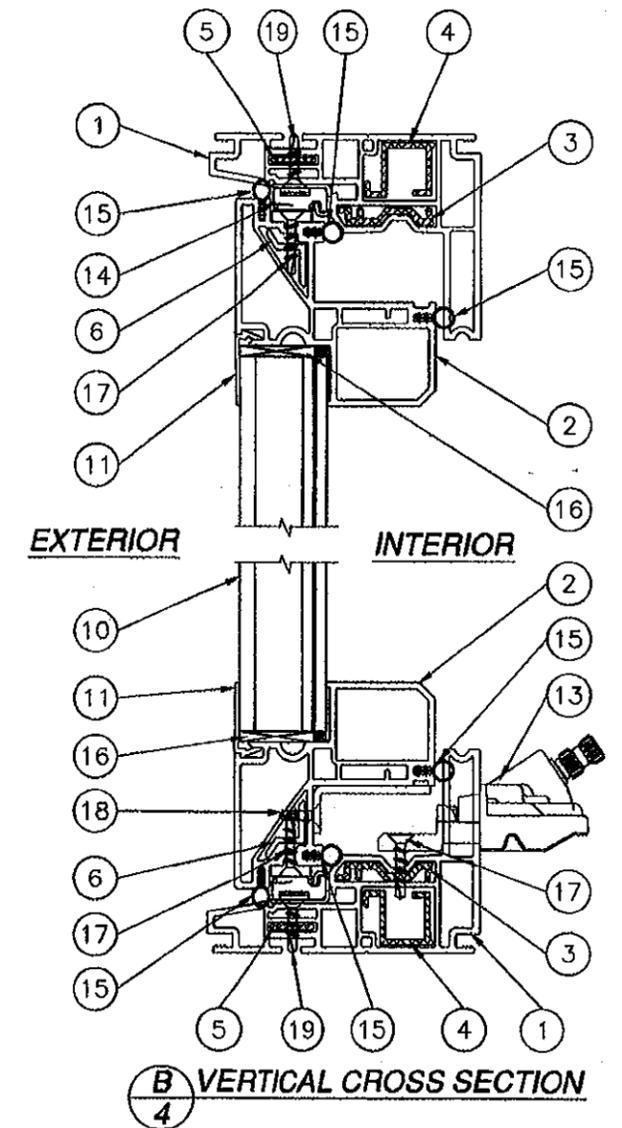
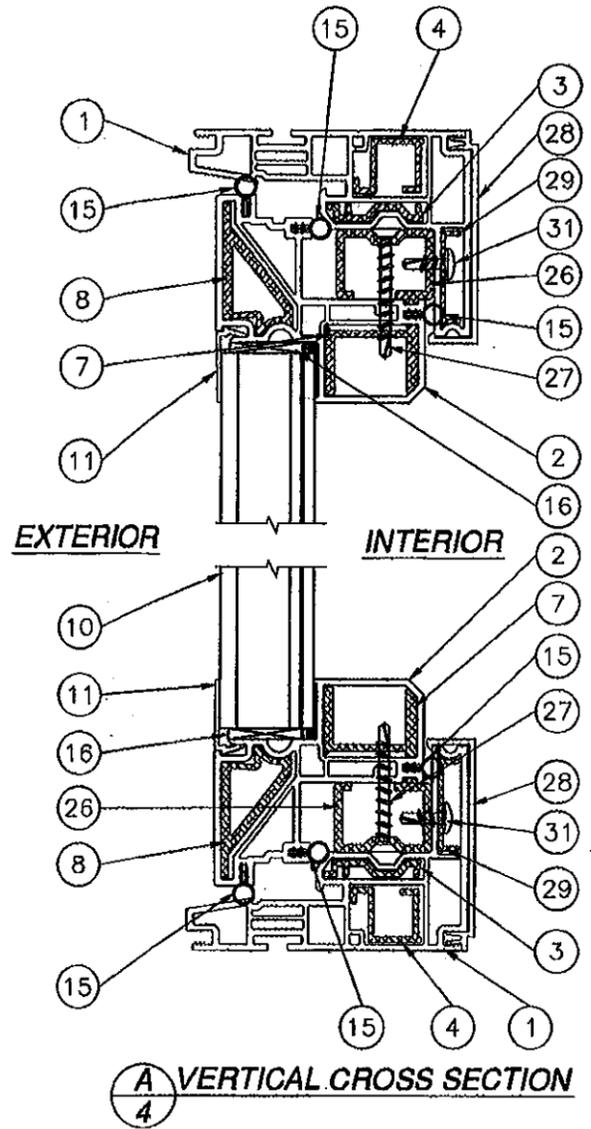
- NOTES:
- 1) FIXED AND OPERABLE UNITS MAY BE MULLED TOGETHER. OPERABLE UNITS MAY NOT EXCEED INDIVIDUAL UNIT SIZE SHOWN IN THIS SHEET. FIXED UNITS MAY NOT EXCEED INDIVIDUAL UNIT SIZE SHOWN IN SHEET 2.
 - 2) WHEN A FIXED WINDOW IS PART OF MULLED CONFIGURATION AND FIXED UNIT WIDTH IS LARGER THAN 37" THE LOWER DESIGN PRESSURE OF THE FIXED MULLED UNIT WILL APPLY. SEE SHEET 2 FOR DESIGN PRESSURE.
 - 3) FOR MULLED UNITS CONTAINING OPERABLE AND FIXED WINDOWS 37" WIDE OR SMALLER SEE THIS SHEET FOR DESIGN PRESSURE.

| | | |
|---|---|--|
| Approved as complying with the Florida Building Code Date 05/12/2011 NOA# 10-1223.01 Miami Dade Product Control By <i>[Signature]</i> | WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com | <i>[Signature]</i> LUIS R. LOMAS P.E. Florida No. 62514 |
| | SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI ELEVATION, ANCHORING LAYOUT AND NOTES | |

| PARTS LIST | | | | |
|------------|--------------|----------------------------------|-------------------|------------------|
| NO. | PART NUMBER | DESCRIPTION | MANUFACTURER | MATERIAL |
| 1 | 101.214 | FRAME, HEAD, SILL AND JAMB | VEKA | RIGID WHITE PVC |
| 2 | 101.214 | PANEL FRAME, STILE AND RAIL | VEKA | RIGID WHITE PVC |
| 3 | FS-05688 | FRAME UPPER SCREW RECEIVER | KEYMARK | ALUMINUM 6063-T6 |
| 4 | FS-05689 | FRAME LOWER SCREW RECEIVER | KEYMARK | ALUMINUM 6063-T6 |
| 5 | FS-05690 | FRAME SCREW BACKER | KEYMARK | ALUMINUM 6063-T6 |
| 6 | FS-05691 | TRACK & SNUBBER SCREW RECEIVER | KEYMARK | ALUMINUM 6063-T6 |
| 7 | FS-05692 | VENT INT. SCREW RECEIVER & REBAR | KEYMARK | ALUMINUM 6063-T6 |
| 8 | FS-05693 | VENT EXTERIOR REBAR | KEYMARK | ALUMINUM 6063-T6 |
| 9 | 20008 | VENT SNUBBER | TRUTH HARDWARE | |
| 10 | | LARGE MISSILE GLAZING | | |
| 11 | V60X-AC-13 | 1 1/8" GLAZING BEAD | MOR-X | RIGID WHITE PVC |
| 12 | 24.33 | MULTI-POINT LOCK AND KEEPER SET | TRUTH HARDWARE | |
| 13 | 50.00/50.50 | OPERATOR AND BRACKET | TRUTH HARDWARE | |
| 14 | 14.97.00 | SLIDE HINGE | TRUTH HARDWARE | |
| 15 | AP-425 | KERF APTUS VENT BULB SEAL | SCHLEGAL | PLASTIC |
| 16 | | 1/8" x 1 1/16" x 2" SET BLOCK | FRANK LOWE | NEOPRENE |
| 17 | | #8 x 3/4" FH SELF DRILLING SCREW | | STAINLESS STEEL |
| 18 | | #8 x 1/2" FH SELF DRILLING SCREW | | STAINLESS STEEL |
| 19 | | #8 x 5/8" FH SELF DRILLING SCREW | | STAINLESS STEEL |
| 20 | | #10 x 1" PH SELF DRILLING SCREW | | STAINLESS STEEL |
| 21 | FS-03856 | MULL ANCHOR CLIP 4" x 6 1/2" | KEYMARK | ALUMINUM 6063-T6 |
| 22 | SIKAFLEX 552 | GLAZING COMPOUND | SIKA | URETHANE |
| 23 | | SEALANT | | SILICONE |
| 24 | | #10 x 2" FH SELF DRILLING SCREW | SEE NOTE 3 SHT. 6 | STAINLESS STEEL |
| 25 | 600A01 | FIELD MULL | KEYMARK | ALUMINUM 6063-T6 |
| 26 | FS-05696 | F-LITE SPACER & SCREW RECEIVER | KEYMARK | ALUMINUM 6063-T6 |
| 27 | | #10 x 1 3/4" FH S-DRILLING SCREW | SEE NOTE SHT. 4 | STAINLESS STEEL |
| 28 | V60X-AC-01 | FIXED VENT SCREW COVER | MOR-X | RIGID WHITE PVC |
| 29 | FS-05694 | F-VENT ATTACH SCREW BACKUP | KEYMARK | ALUMINUM 6063-T6 |
| 30 | 279500 | 20MM THERMAL STRUT | TECHNOFORM | POLYAMIDE 66 |
| 31 | | #12 x 3/4" PH S-DRILLING SCREW | SEE NOTE SHT. 4 | STAINLESS STEEL |
| 32 | | #10 x 1 1/4" FH S-DRILLING SCREW | SEE NOTE 3 SHT. 6 | STAINLESS STEEL |
| 33 | V60X-AC-12A | FIELD MULL COVER | MOR-X | RIGID WHITE PVC |

NOTES:
ITEM #27 AND #31 ARE SPACED AS FOLLOWS:
VERTICAL STILES; 4 1/2" AND 6 1/2" FROM EACH END AND 11" MAXIMUM O.C. THEREAFTER.
HORIZONTAL RAILS; 4 1/2" AND 6 1/2" FROM EACH END AND 10" MAXIMUM O.C. THEREAFTER.

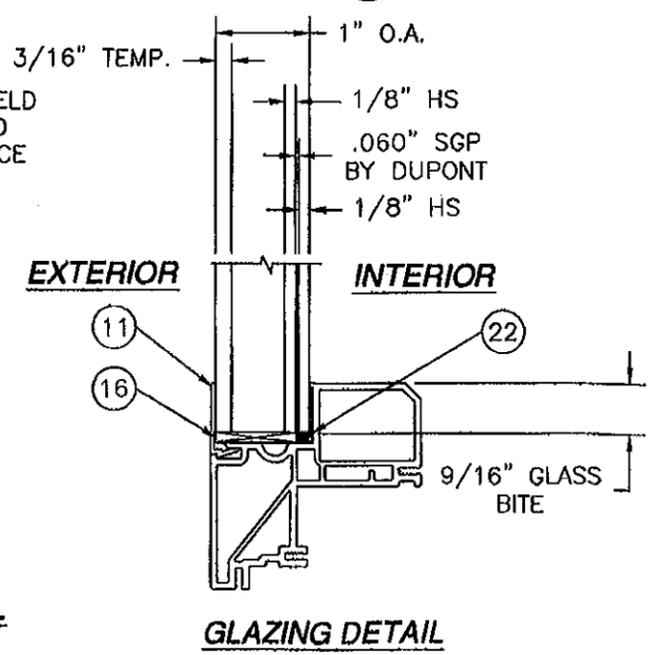
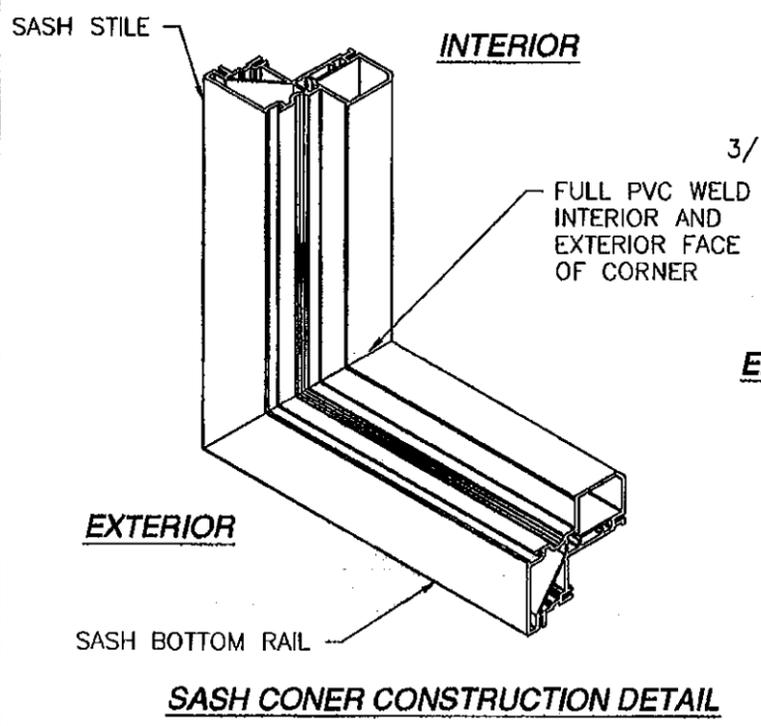
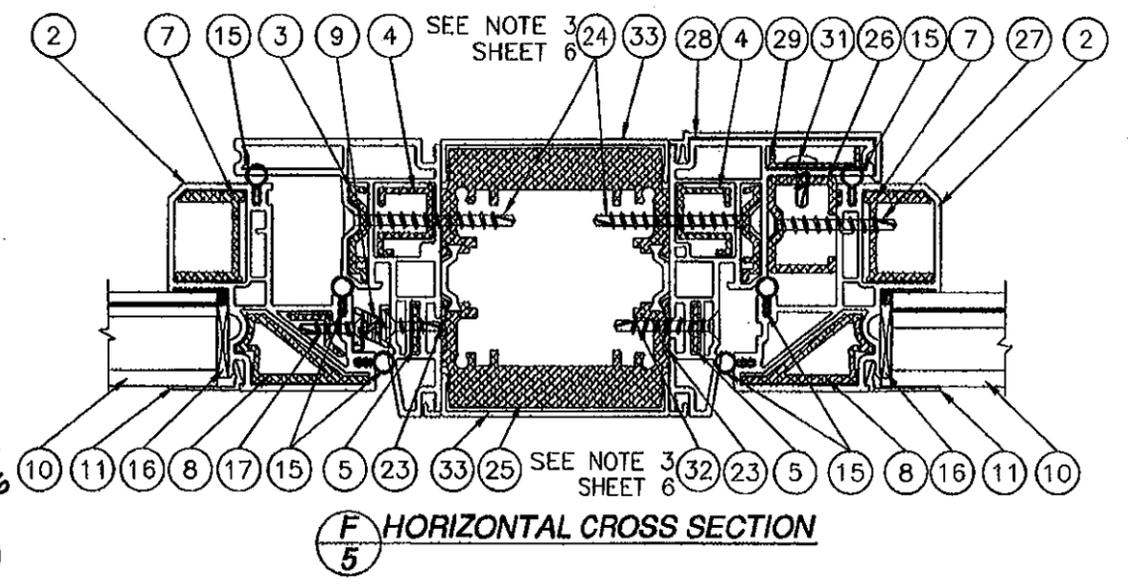
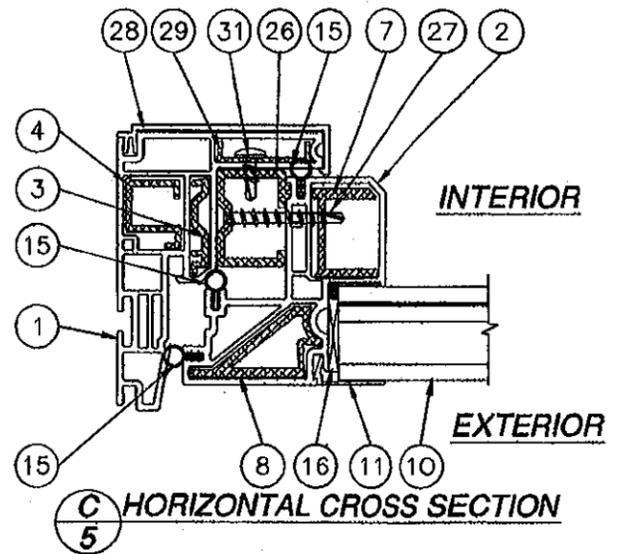
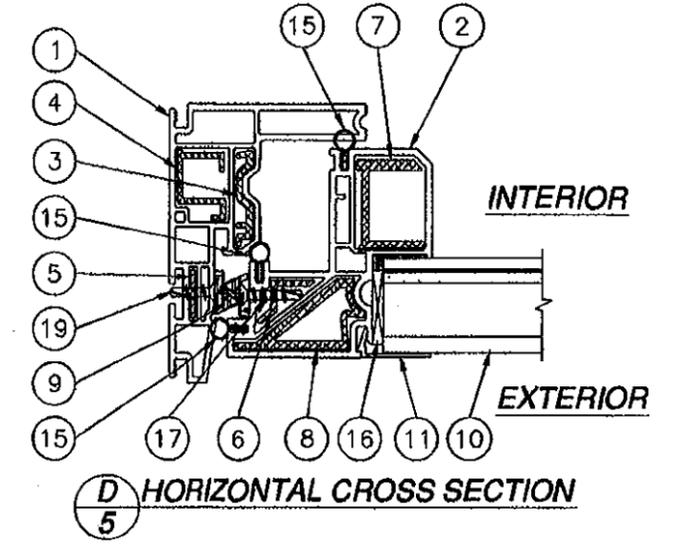
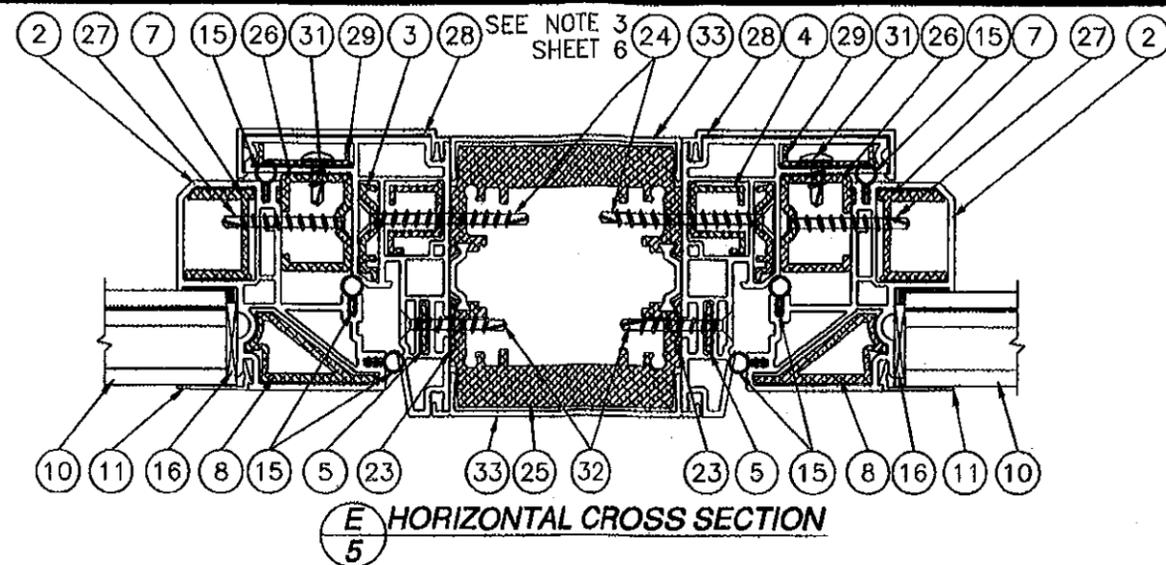
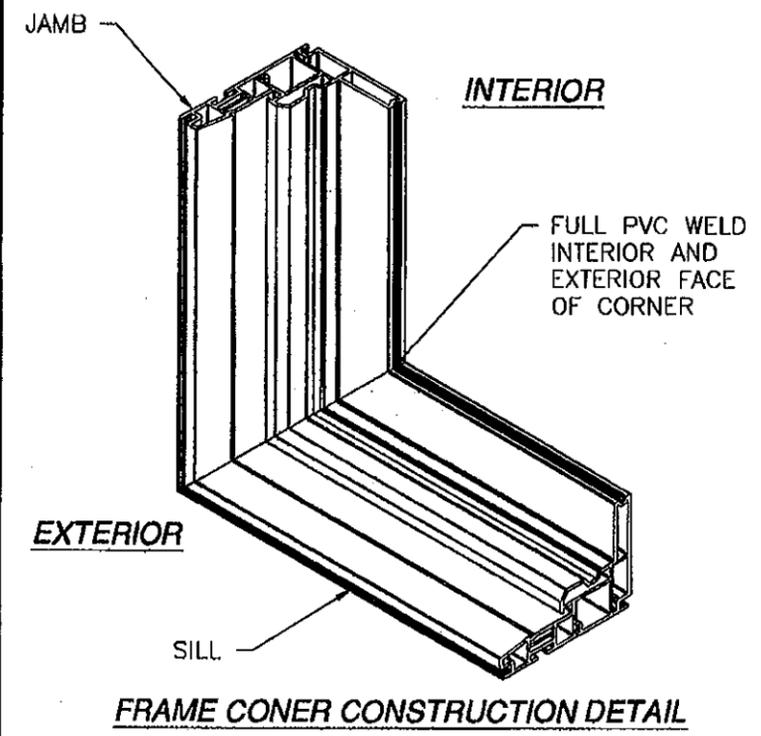
| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0130.22
Expiration Date MAY 12, 2016
By Manuel Perez
Miami Dade Product Control

| | | | |
|--|--|--|--|
| <p>Approved as complying with the Florida Building Code Date <u>05/12/2011</u> NOA# <u>10-1223.61</u> Miami Dade Product Control By <u>[Signature]</u></p> | <p>WinDoor INCORPORATED</p> | <p>7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com</p> | <p><i>[Signature]</i> Luis R. Lomas P.E. Florida No. 62514</p> |
| | <p>SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI BILL OF MATERIALS AND CROSS SECTIONS</p> | | |
| <p>DRAWN: TJH</p> | <p>DWG NO. 08-01124</p> | <p>REV A</p> | |
| <p>SCALE</p> | <p>DATE 11/08/10</p> | <p>SHEET 4 OF 11</p> | |

| REVISIONS | | | |
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PRODUCT REVISED as complying with the Florida Building Code Acceptance No 12-0130.22 Expiration Date MAY 12, 2016
 By *Manuel Perez*
 Miami Dade Product Control

Approved as complying with the Florida Building Code
 Date 05/12/2011
 NOA# 10-1223.01
 Miami Dade Product Control
 By *[Signature]*

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

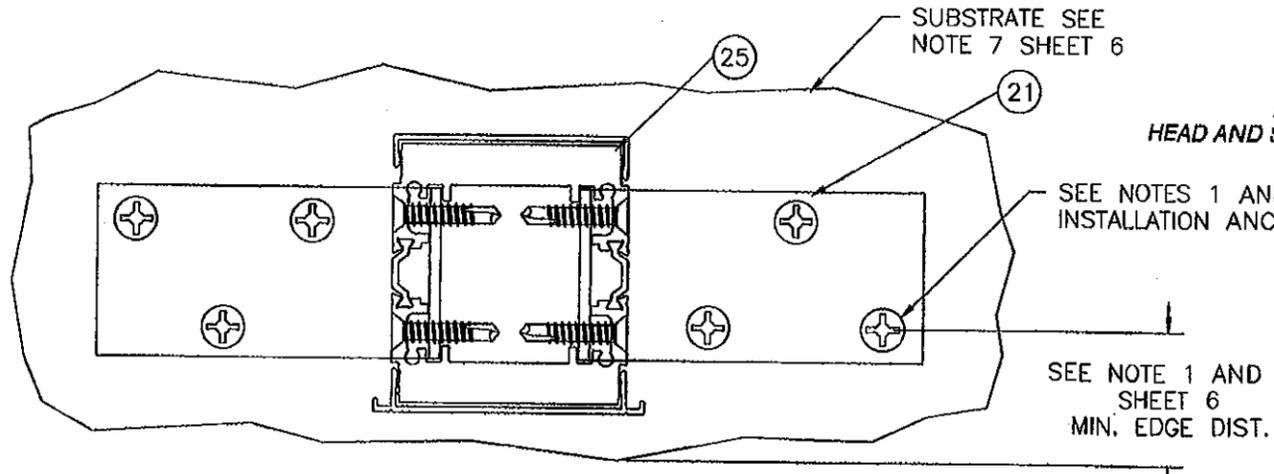
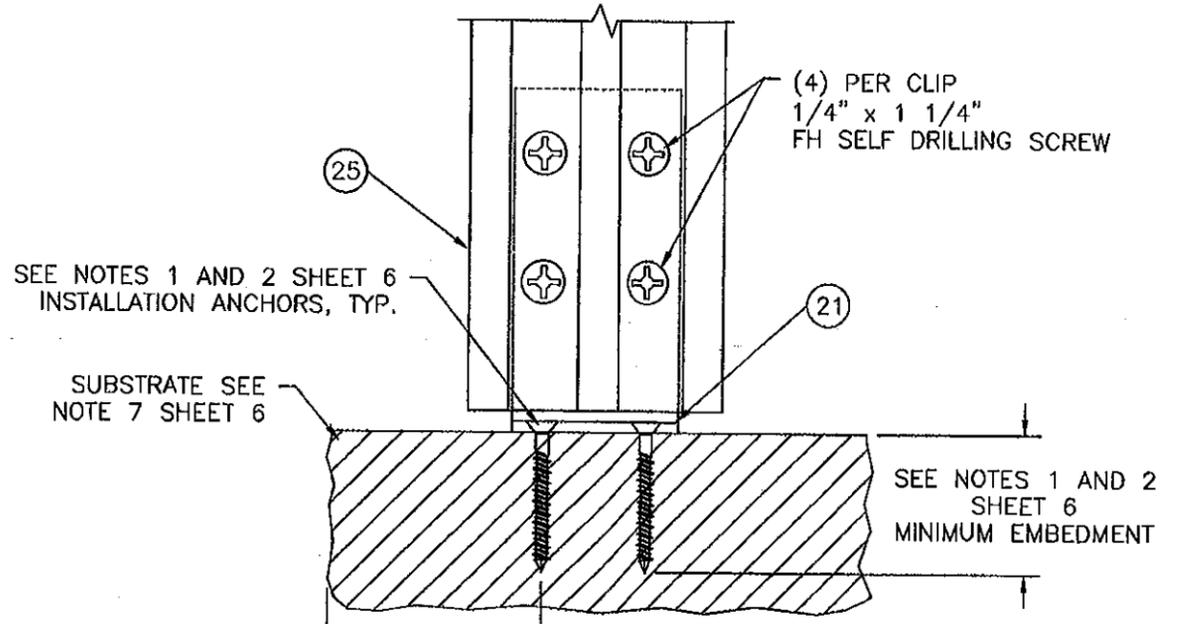
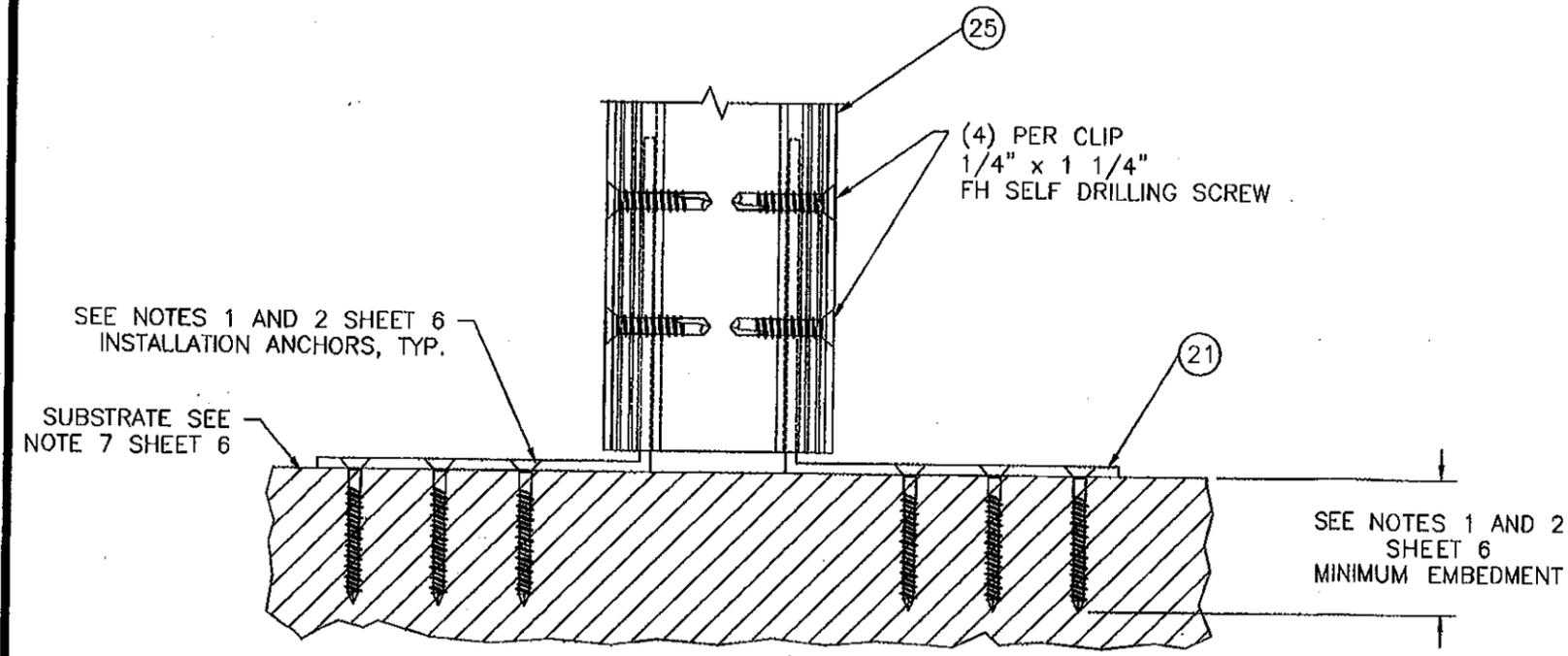
SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI
 CROSS SECTIONS, CORNER AND GLAZING DETAILS

DRAWN: TJH
 DWG NO. 08-01124
 REV A

SCALE: DATE 11/08/10 SHEET 5 OF 11

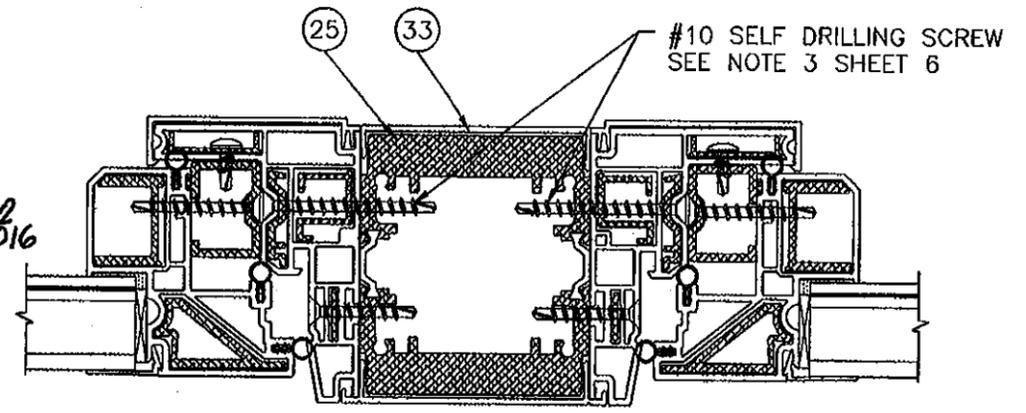
[Signature]
 Luis R. Lomas P.E.
 Florida No. 62514

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



DETAIL G
HEAD AND SILL CLIP INSTALLATION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0130-22
Expiration Date MAY 12, 2016
By *Maurice Soria*
Miami Dade Product Control



DETAIL H
WINDOW TO MULLION INSTALLATION, FIXED/FIXED SHOWN,
FIXED/OPERABLE AND OPERABLE/OPERABLE SIMILAR

MULLION ANCHORING NOTES:

- 1) FOR ANCHORING INTO CONCRETE USE 1/4" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
- 2) FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X BACKED 20GA. MINIMUM STEEL FRAMING USE #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 13/16" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 1" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN INSTALLATION DETAILS.
- 3) FOR ATTACHING WINDOW UNITS TO MULLION USE #10 SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE MULLION WALL. LOCATE SCREWS 6" FROM EACH MULLION END AND 17 1/4" MAX. O.C. THEREAFTER. STAGGER SCREWS AT EACH WINDOW.
- 5) FOR WINDOW UNITS ANCHORING TO SUBSTRATE REFER TO SHEETS 1, 2, 7, 8 AND 9.
- 6) ALL FASTENERS TO BE STAINLESS STEEL OR CORROSION RESISTANT.
- 7) 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. STEEL FRAMING: 2X BACKED 20GA. (.036" MIN.) STEEL FRAMING.

Approved as complying with the
Florida Building Code
Date 05/12/2011
NOA# 10-1225-01
Miami Dade Product Control
By *[Signature]*

WinDoor
INCORPORATED

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

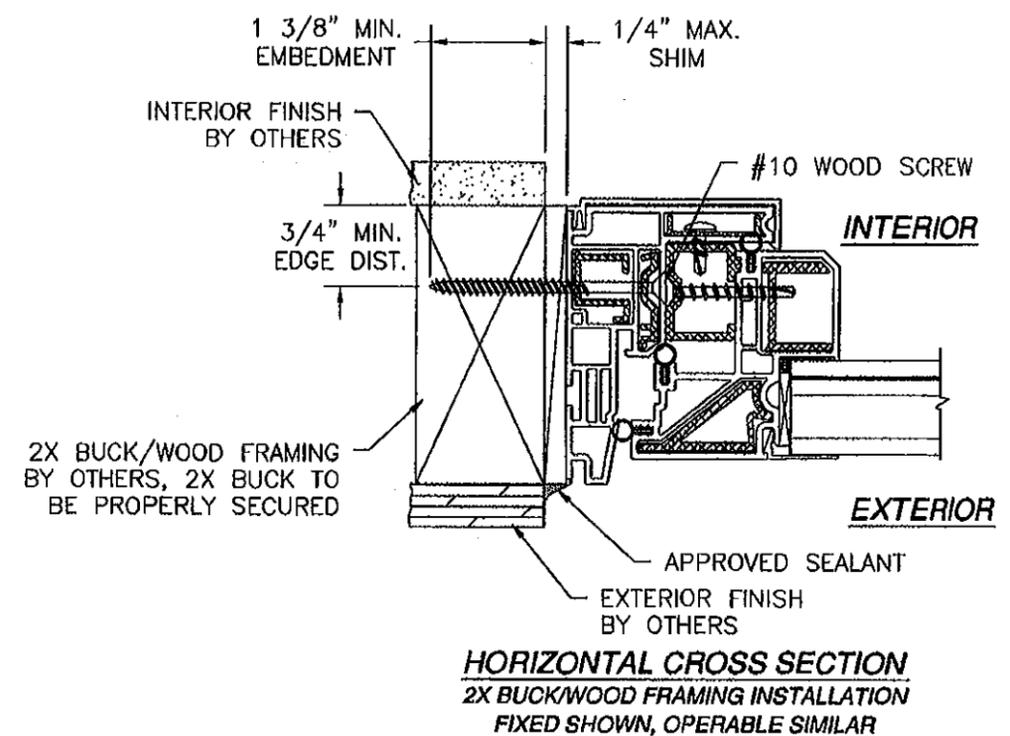
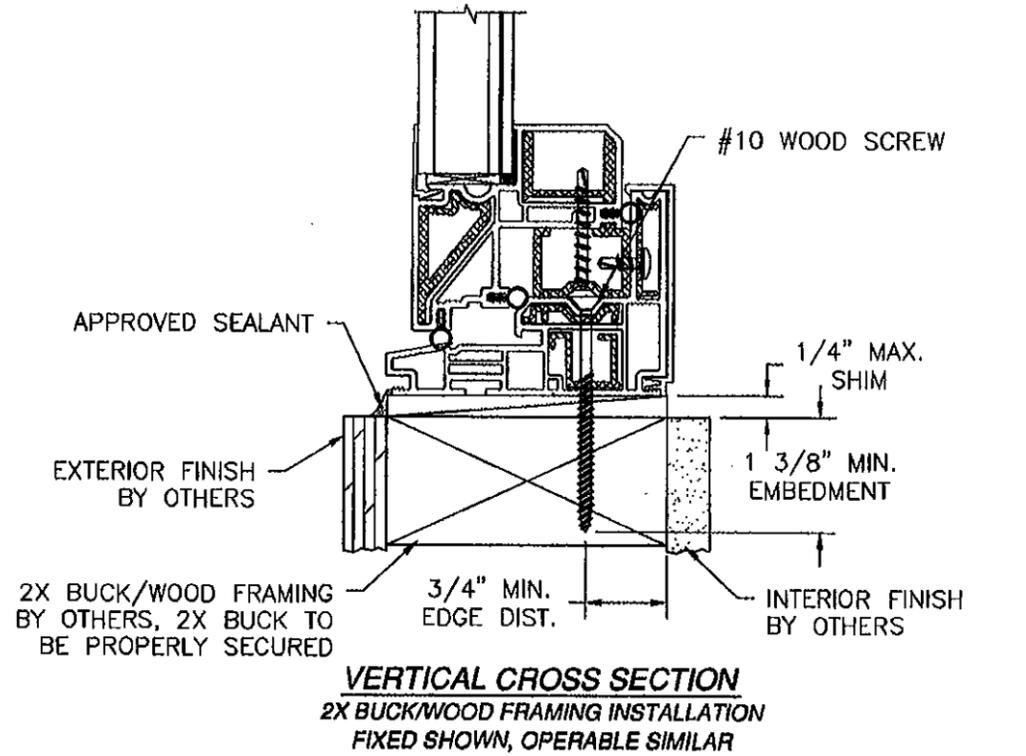
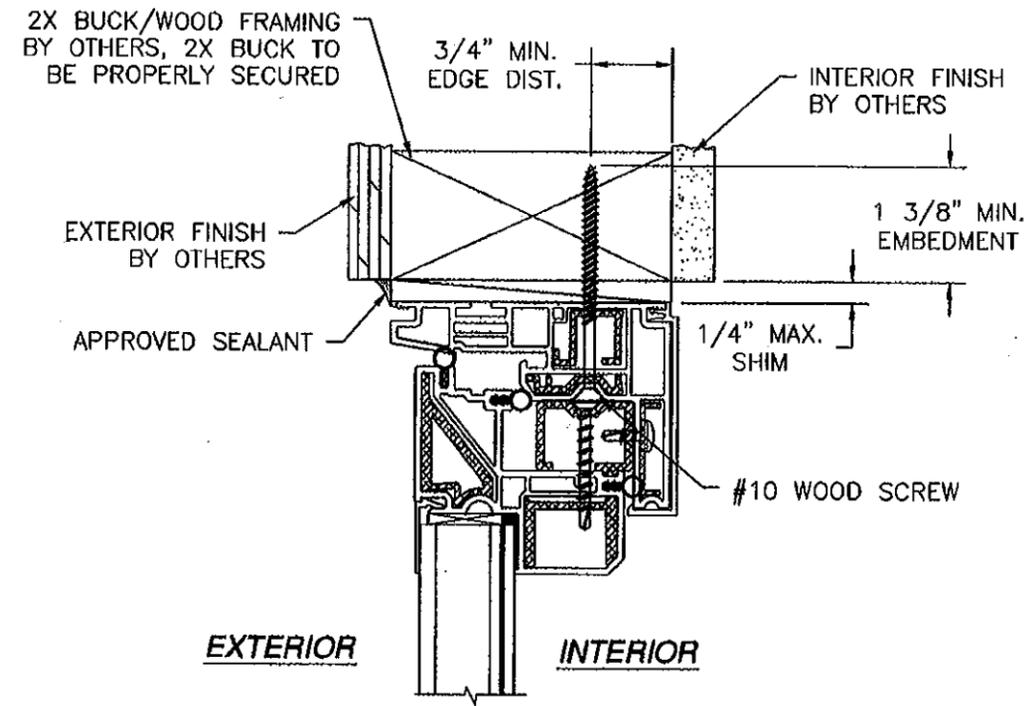
SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD
MULLED CASEMENT WINDOW - LMI
INSTALLATION DETAILS AND NOTES

DRAWN: TJH DWG NO. 08-01124 REV A

SCALE DATE 11/08/10 SHEET 6 OF 11

[Signature]
Luis R. Lomas P.E.
Florida No. 62514

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 12-0130.22
 Expiration Date MAY 12, 2016
 By *Marcus Perez*
 Miami Dade Product Control

Approved as complying with the
 Florida Building Code
 Date 05/12/2011
 NOA# 10-1223.01
 Miami Dade Product Control
 By *[Signature]*

WinDoor
 INCORPORATED

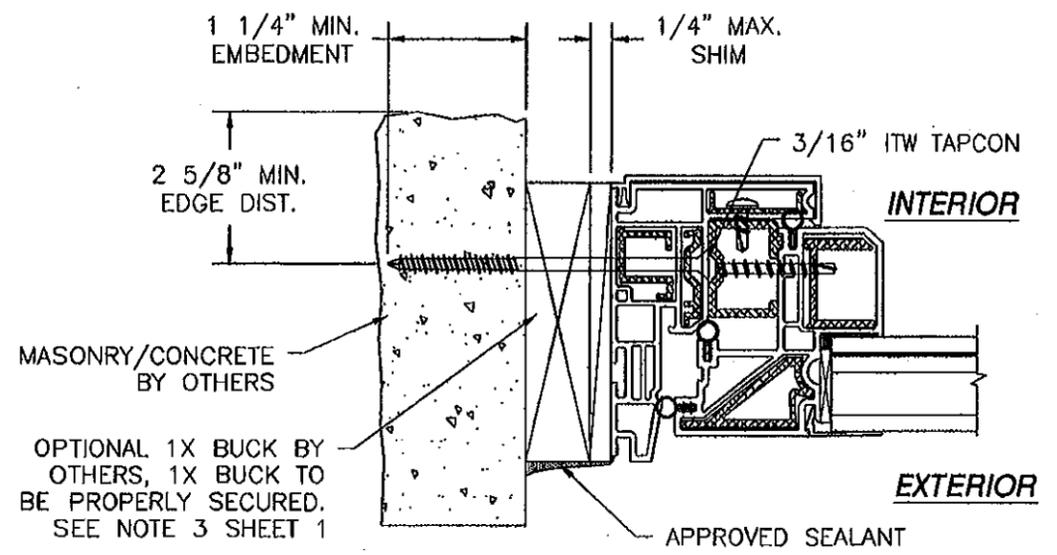
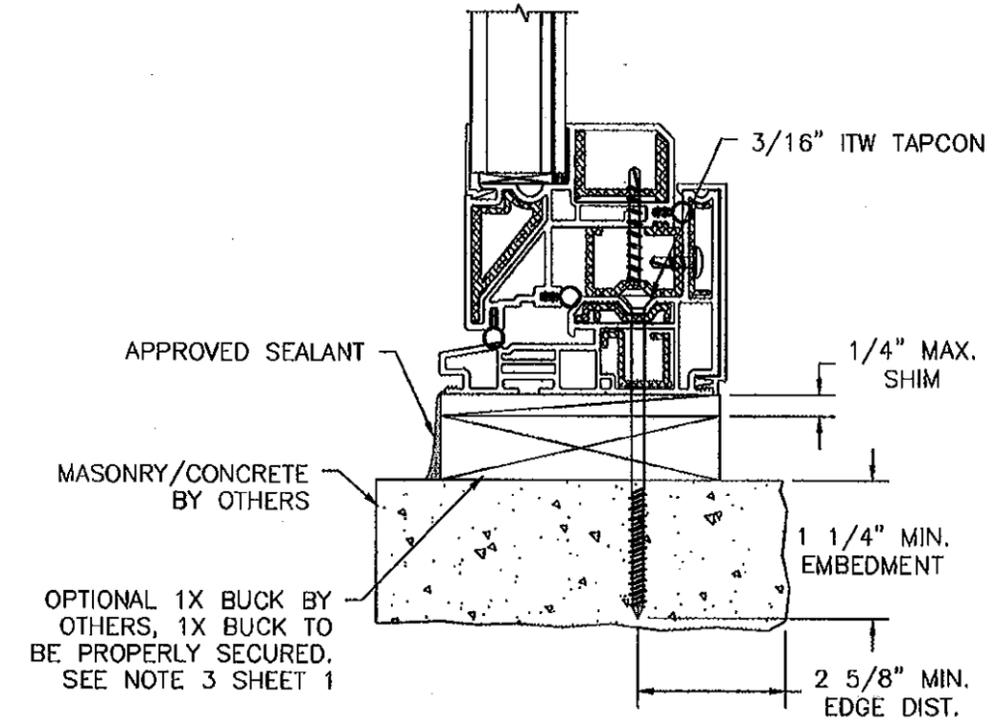
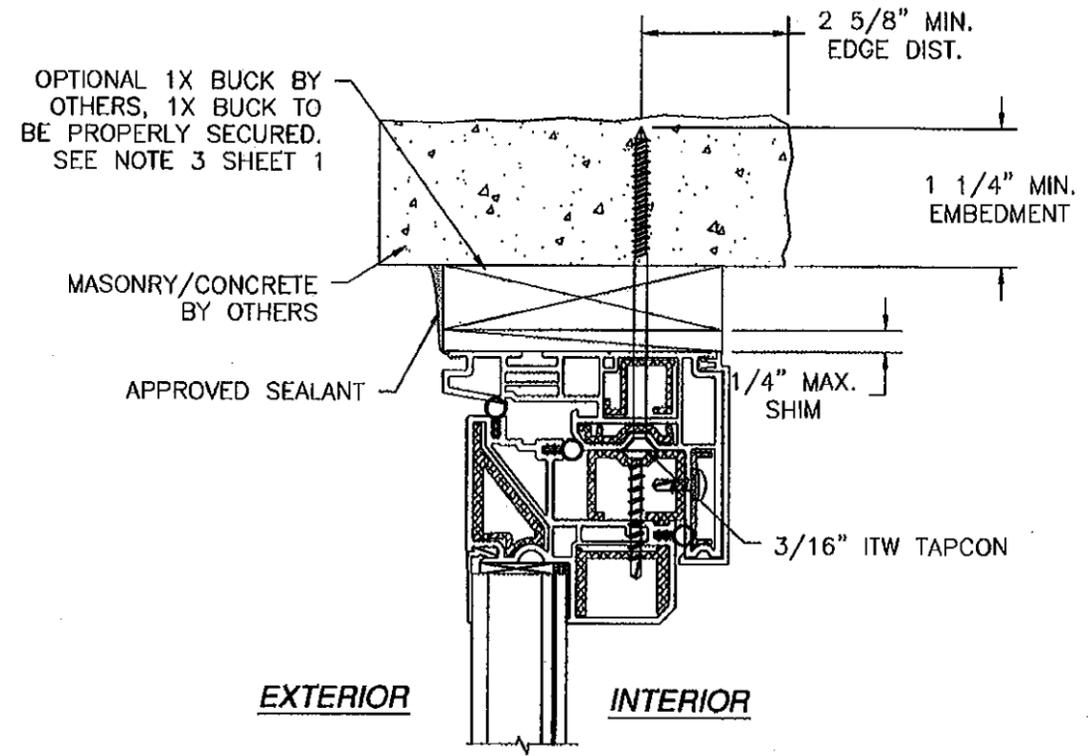
7500 AMSTERDAM DRIVE
 ORLANDO, FL 32832
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 Fax: 407.481.0505
 www.windoorinc.com

SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD
 MULLED CASEMENT WINDOW - LMI
 INSTALLATION DETAILS

| | | |
|---------------|---------------------|---------------|
| DRAWN: TJH | DWG NO. 08-01124 | REV A |
| SCALE | DATE 11/08/10 | SHEET 7 OF 11 |

[Signature]
 Luis R. Lomas P.E.
 Florida No. 62514

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



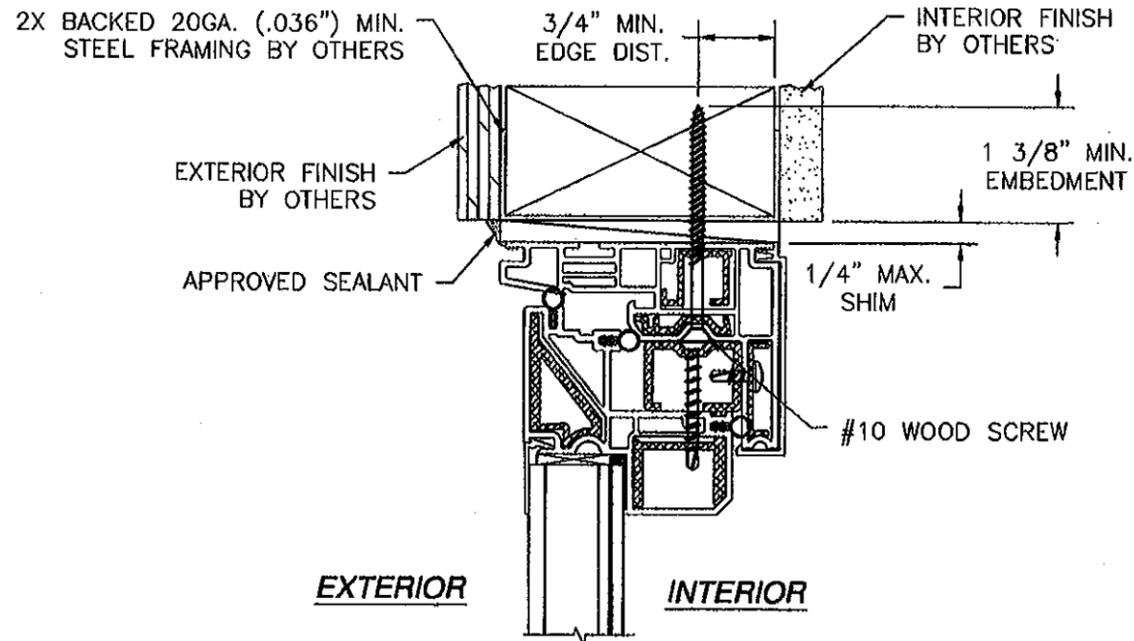
HORIZONTAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

VERTICAL CROSS SECTION
MASONRY/CONCRETE INSTALLATION

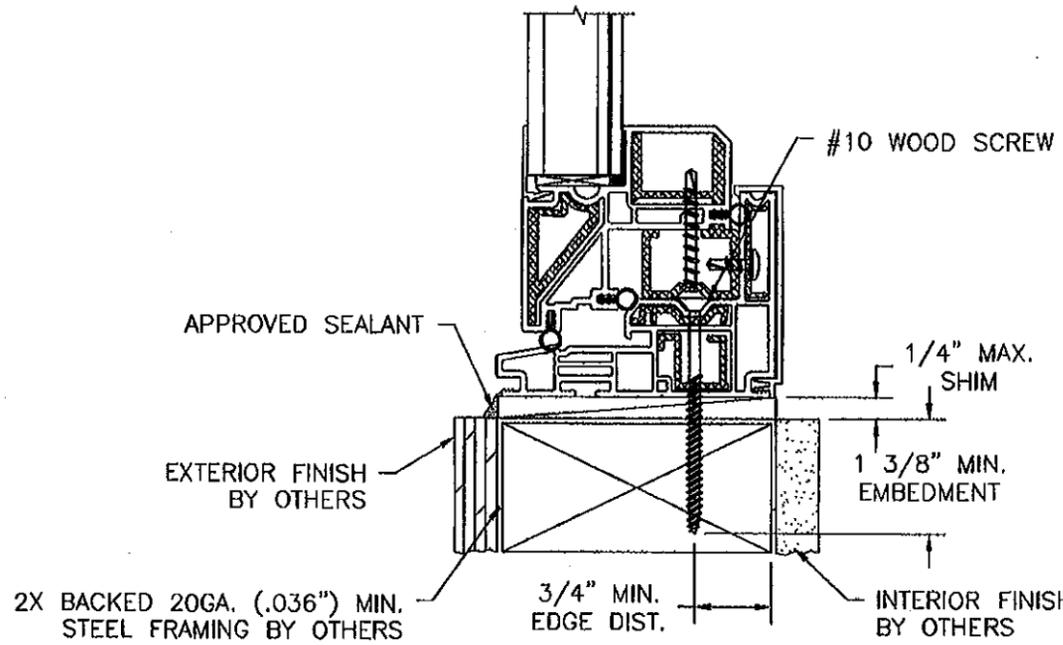
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No *12-0130-22*
Expiration Date *MAY 12, 2016*
By *Manuel Perez*
Miami Dade Product Control

| | | |
|--|---|---------------|
| Approved as complying with the Florida Building Code Date <i>05/12/2011</i> NOA# <i>10-1223-01</i> Miami Dade Product Control By <i>[Signature]</i> | WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com | |
| | SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI INSTALLATION DETAILS | |
| DRAWN: TJH | DWG NO. 08-01124 | REV A |
| SCALE | DATE 11/08/10 | SHEET 8 OF 11 |

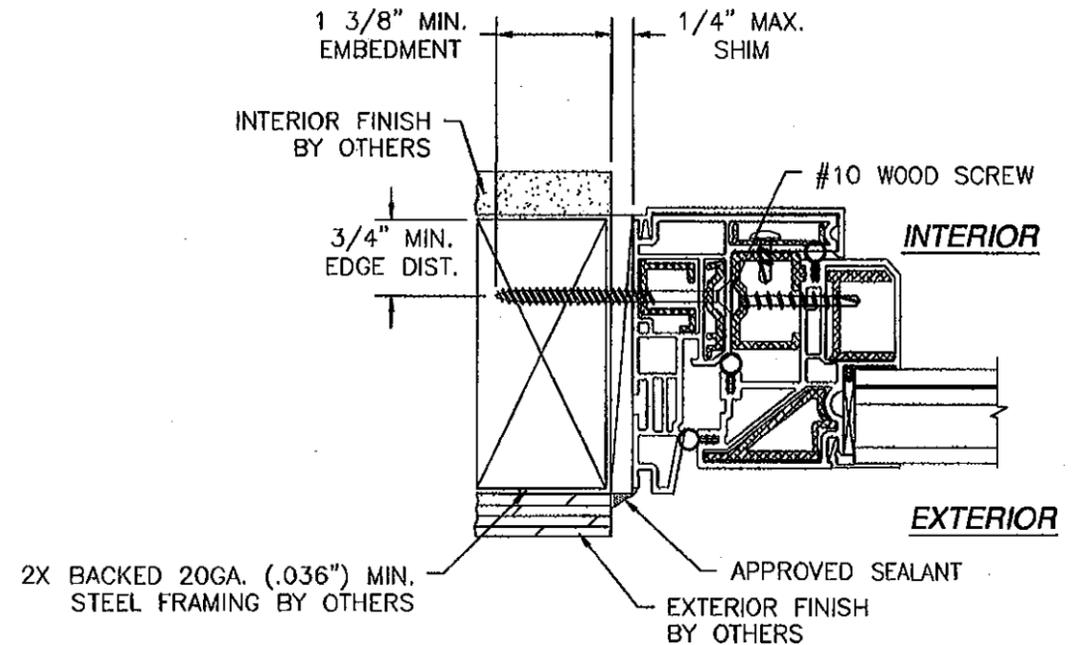
| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



EXTERIOR INTERIOR



VERTICAL CROSS SECTION
2X BACKED STEEL STUD FRAMING INSTALLATION



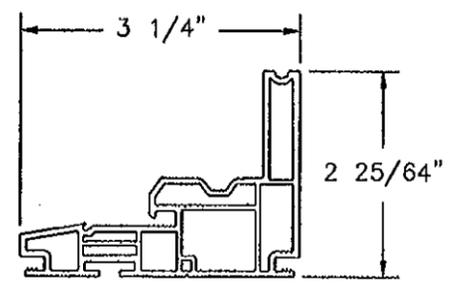
HORIZONTAL CROSS SECTION
2X BACKED STEEL STUD FRAMING INSTALLATION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0130.22
Expiration Date MAY 12, 2016
By *Manuel Jerez*
Miami/Dade Product Control

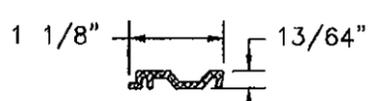
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|--|---|--|
| <p>Approved as complying with the Florida Building Code Date <u>05/12/2011</u> NOA# <u>10-1223.01</u> Miami/Dade Product Control By <i>[Signature]</i></p> | <p>WinDoor INCORPORATED</p> <p>7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com</p> | <p><i>[Signature]</i> Luis R. Lomas P.E. Florida No. 62514</p> |
| | <p>SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI INSTALLATION DETAILS</p> | |
| <p>DRAWN: TJH</p> | <p>DWG NO. 08-01124</p> | <p>REV A</p> |
| <p>SCALE</p> | <p>DATE 11/08/10</p> | <p>SHEET 9 OF 11</p> |

REVISIONS

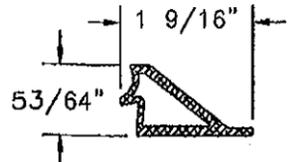
| REV | DESCRIPTION | DATE | APPROVED |
|-----|-----------------------------------|----------|----------|
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



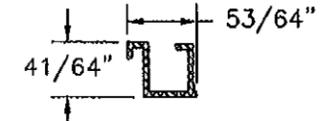
① **FRAME, HEAD, SILL AND JAMB**
EXTRUDED RIGID WHITE PVC .071" THICK



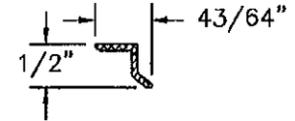
③ **FRAME UPPER SCREW RECEIVER**
EXTRUDED ALUMINUM 6063-T6 .075" THICK



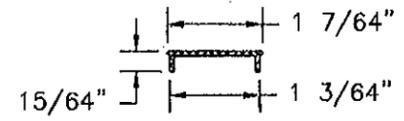
⑧ **VENT EXTERIOR REBAR**
EXTRUDED ALUMINUM 6063-T6 .102" THICK



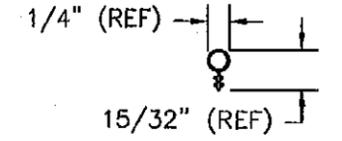
④ **FRAME LOWER SCREW RECEIVER**
EXTRUDED ALUMINUM 6063-T6 .065" THICK



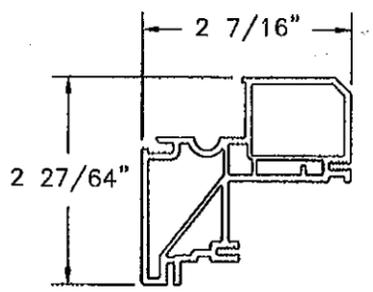
⑥ **TRACK AND SNUBBER SCREW RECEIVER**
EXTRUDED ALUMINUM 6063-T6 .070" THICK



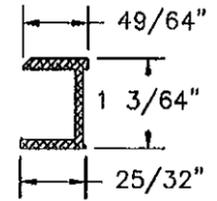
③⑤ **FIXED VENT ATTACHMENT SCREW BACKUP**
EXTRUDED ALUMINUM 6063-T6 .050" THICK



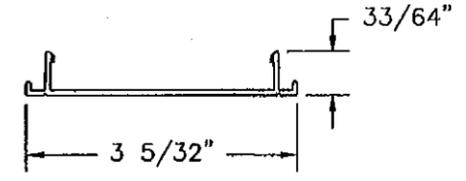
⑮ **KERF APTUS VENT BULB SEAL**
PLASTIC



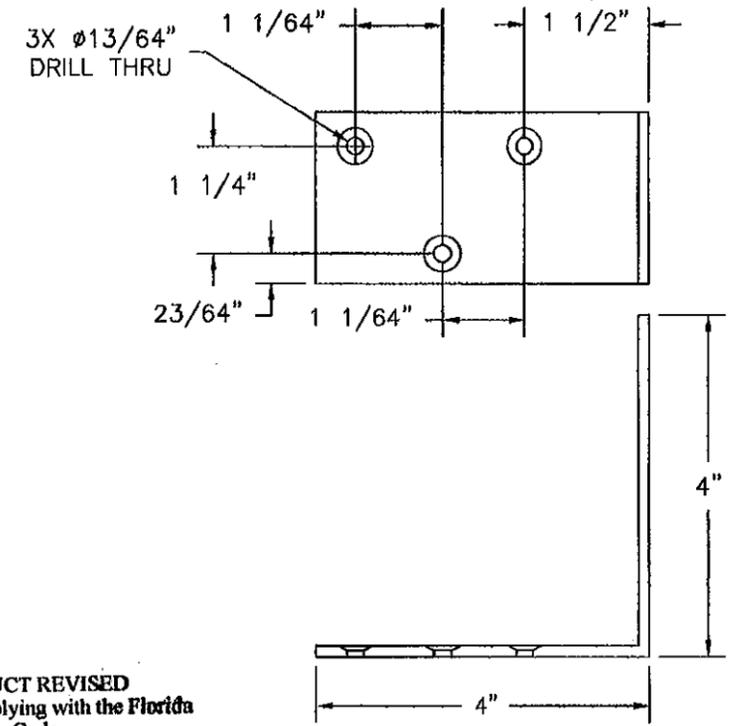
② **PANEL FRAME, STILE AND RAIL**
EXTRUDED RIGID WHITE PVC .075" THICK



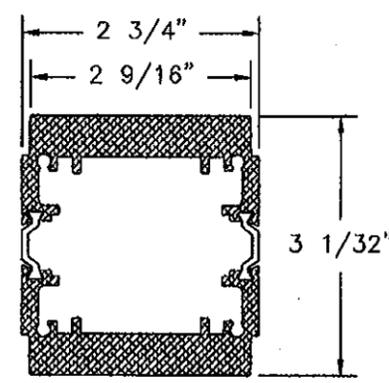
⑦ **VENT INTERIOR SCREW RECEIVER AND REBAR**
EXTRUDED ALUMINUM 6063-T6 .075" THICK



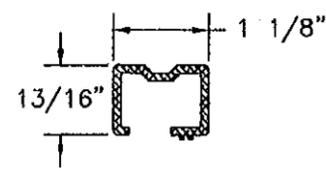
③③ **FIELD MULL COVER**
EXTRUDED RIGID WHITE PVC .065" THICK



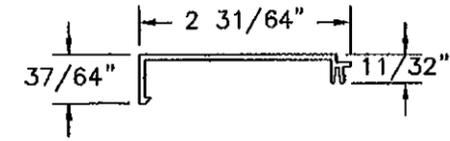
②① **MULL ANCHOR CLIP**
EXTRUDED ALUMINUM 6063-T6 .125" THICK



②⑤ **FIELD MULL**
EXTRUDED ALUMINUM 6063-T6 .470" THICK
WITH (2) ITEM #30

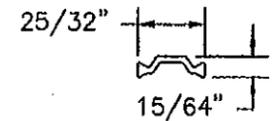


②⑥ **FIXED LITE SPACER AND SCREW RECEIVER**
EXTRUDED ALUMINUM 6063-T6 .090" THICK

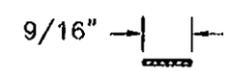


②⑧ **FIXED VENT SCREW COVER**
EXTRUDED RIGID WHITE PVC .065" THICK

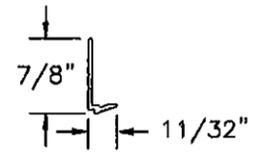
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 12-0130.22
Expiration Date 12/12/2016
By *Manuel Perez*
Miami Dade Product Control



③⑦ **20mm THERMAL STRUT**
POLYIMIDE 66 .071" THICK



⑤ **FRAME SCREW BACKER**
EXTRUDED ALUMINUM 6063-T6 .058" THICK



①① **1 1/8" GLAZING BEAD**
EXTRUDED RIGID WHITE PVC .039" THICK

Approved as complying with the Florida Building Code
Date 08/12/2011
NOA# 10-1223-01
Miami Dade Product Control
By *[Signature]*

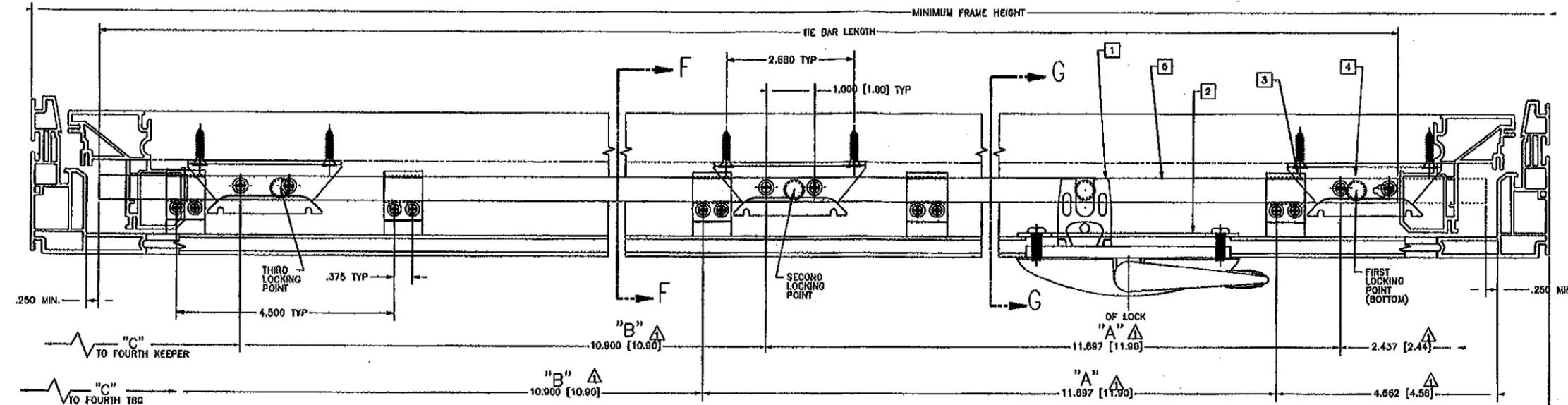
WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
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www.windoorinc.com

SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI COMPONENTS

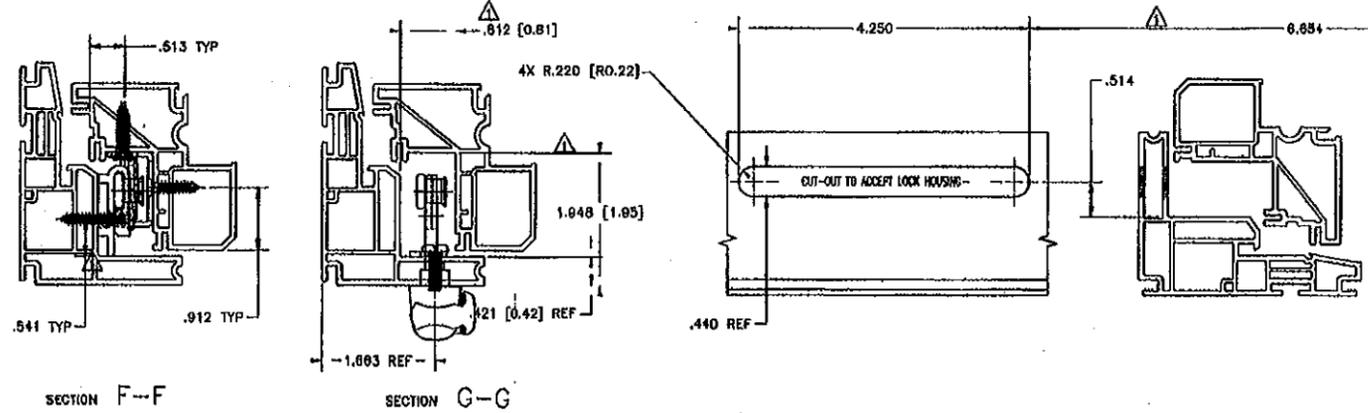
| | | |
|------------|------------------|----------------|
| DRAWN: TJH | DWG NO. 08-01124 | REV A |
| SCALE | DATE 11/08/10 | SHEET 10 OF 11 |

[Signature]
Luis R. Lomas P.E.
Florida No. 62514

| REVISIONS | | | |
|-----------|-----------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| A | PER DADE CO. LETTER DATED 1/07/11 | 02/11/11 | R.L. |



JAMB HARDWARE LAYOUT



- NOTES:
1. ACCURACY OF INDICATED DIMENSIONS IS CRITICAL TO THE FUNCTION OF THE MULTI-POINT LOCK.
 2. "C" DIMENSION FOR THE FOURTH LOCKING POINT, FOR KEEPER AND TIE BAR GUIDE PLACEMENT, DIMENSION "C" ORIGINATES AT THE THIRD LOCKING POINT.
 3. "A" AND "B" DIMENSIONS ARE CONFIGURED TO GIVE SEQUENTIAL AND PROGRESSIVE LOCKING OF 1/2" TOTAL, STARTING WITH THE FIRST (BOTTOM) LOCKING POINT, WITH A PROGRESSION OF 1/4" FROM THE FIRST LOCKING POINT TO THE SECOND LOCKING POINT, AND A 1/4" FROM THE SECOND LOCKING POINT TO THE THIRD LOCKING POINT. THE FOURTH LOCKING POINT MOVES IN TANDEM WITH THE THIRD LOCKING POINT.
 4. TIE BAR TRAVEL IS 1.52"
 5. ALL DIMENSIONS ARE AFTER WELD.
 6. MOUNTING SCREWS FOR ALL HARDWARE SHOULD PASS THROUGH TWO PVC WALLS OR A SINGLE WALL WITH AN INTERIOR METAL INSERT.
 7. SEE TRUTH HARDWARE CATALOG FOR FURTHER INFO ON APPLICATION OF ALL COMPONENTS.

| MINIMUM FRAME WIDTH | PART NO. | # OF LOCK POINTS | TIE BAR LENGTH | "A" DIM | "B" DIM | "C" DIM | "D" DIM | "E" DIM |
|---------------------|----------|------------------|----------------|---------|---------|---------|---------|---------|
| 76.62" | 13088.02 | 6 PT. | 70.9 | 13.69 | 14.13 | 13.00 | 13.00 | 13.00 |
| 75.62" | 12927.02 | 4 PT. | | 23.90 | 22.90 | 20.00 | | |
| 71.62" | 13097.02 | 6 PT. | 66.9 | 15.90 | 15.80 | 15.80 | 16.13 | |
| 71.62" | 12926.02 | 4 PT. | | 21.90 | 20.80 | 20.00 | | |
| 67.52" | 13096.02 | 5 PT. | 62.9 | 11.90 | 16.80 | 14.90 | 16.00 | |
| 67.52" | 12925.02 | 4 PT. | | 19.90 | 18.80 | 20.00 | | |
| | 13095.02 | 3 PT. | | 17.89 | 17.08 | 19.75 | | |
| 63.52" | 11922.02 | 3 PT. | 58.9 | 27.80 | 26.80 | | | |
| | 11912.02 | 2 PT. | | 54.80 | | | | |
| | 13084.02 | 3 PT. | | 15.89 | 16.08 | 16.75 | | |
| 59.52" | 11921.02 | 3 PT. | 54.9 | 25.90 | 24.90 | | | |
| | 11911.02 | 2 PT. | | 80.80 | | | | |
| | 13083.02 | 4 PT. | | 13.89 | 16.08 | 16.75 | | |
| 55.52" | 11920.02 | 3 PT. | 50.9 | 23.90 | 22.90 | | | |
| | 11910.02 | 2 PT. | | 46.80 | | | | |
| 51.52" | 11919.02 | 3 PT. | 46.9 | 21.90 | 20.90 | | | |
| | 11909.02 | 2 PT. | | 42.80 | | | | |
| 47.52" | 11918.02 | 3 PT. | 42.9 | 19.90 | 19.90 | | | |
| | 11908.02 | 2 PT. | | 38.80 | | | | |
| 43.52" | 11917.02 | 3 PT. | 38.9 | 17.90 | 16.90 | | | |
| | 11907.02 | 2 PT. | | 34.80 | | | | |
| 39.52" | 11916.02 | 3 PT. | 34.9 | 15.90 | 14.90 | | | |
| | 11906.02 | 2 PT. | | 30.80 | | | | |
| 35.52" | 11915.02 | 3 PT. | 30.9 | 13.90 | 12.90 | | | |
| | 11905.02 | 2 PT. | | 26.80 | | | | |
| 31.52" | 11914.02 | 3 PT. | 26.9 | 11.90 | 10.90 | | | |
| | 11904.02 | 2 PT. | | 22.80 | | | | |
| 27.52" | 11903.02 | 2 PT. | 22.9 | 16.80 | | | | |
| 23.52" | 11902.02 | 2 PT. | 18.9 | 14.80 | | | | |
| 19.52" | 11901.02 | 2 PT. | 14.9 | 10.80 | | | | |

| ITEM | PART NO. | 2 PT. | 3 PT. | 4 PT. | DESCRIPTION |
|------|---------------|-------|-------|-------|--------------------------------------|
| - | 19225 | 6 | 9 | 12 | SCREW 6X3/4 PH FH SMS SS410 (KEEPER) |
| - | 19230.02 | 4 | 6 | 8 | SCREW 6X1 PH FH SMS Y2P (TIE BAR) |
| - | 19296.02 | 2 | 2 | 2 | SCREW 10-24X9/16 F PH PH MS Y2(LOCK) |
| 5 | SEE CHART | 1 | 1 | 1 | TIE BAR ASSEMBLY |
| 4 | 32832.00.0500 | 2 | 3 | 4 | KEEPER, NON-HANDED SST |
| 3 | 33283.00.0001 | 2 | 3 | 4 | TIE BAR GUIDE |
| 2 | 21600.02 | 1 | 1 | 1 | SUPPORT PLATE |
| 1 | 24.33.XX.004 | 1 | 1 | 1 | LOCK ASSEMBLY |

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No 12-0130-22
 Expiration Date MAY 12, 2016
 By *Manuel Lopez*
 Miami Dade Product Control

Approved as complying with the Florida Building Code
 Date 05/12/2011
 NOAH 10-1223.01
 Miami Dade Product Control
 By *Manuel Lopez*

WinDoor INCORPORATED
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SERIES V-600/V-630 WHITE PVC SINGLE AND FIELD MULLED CASEMENT WINDOW - LMI HARDWARE LAYOUT

DRAWN: TJH
 DWG NO. 08-01124
 REV A

SCALE DATE 11/08/10 SHEET 11 OF 11

Manuel Lopez
 LUIS R. LOMAS P.E.
 Florida No. 62514