



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/economy

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 RER - 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. RER 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 "4000 (LMI SG)" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. **08-02104**, titled "4000 (LMI SG) Aluminum Single Hung Window Equal Leg and Flange - LMI & SMI", sheets 1 through 13 of 13, dated 06/21/13, with revision B dated 07/13/15, 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# **13-0917.09** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



Handwritten signature and date: 6/16/16

NOA No. 15-0723.05
Expiration Date: March 27, 2019

Approval Date: June 23, 2016

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 13-0917.09)
2. Drawing No. **08-02104**, titled "4000 (LMI SG) Aluminum Single Hung Window Equal Leg and Flange - LMI & SMI", sheets 1 through 13 of 13, dated 06/21/13, with revision B dated 07/13/15, 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, and TAS 202-94along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by National Certified Testing Laboratories, Inc., Test Report No. **NCTL-210-3860-1**, dated 04/02/13, signed and sealed by Gerald J. Ferrara, P.E.
(Submitted under previous NOA No. 13-0917.09)

C. CALCULATIONS

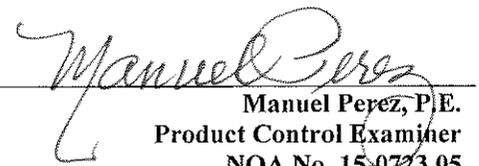
1. Anchor verification calculations and structural analysis, complying with **FBC-5th Edition (2014)**, dated 06/09/15 and 02/17/16, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 06/25/15, expiring on 07/04/18.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0723.05

Expiration Date: March 27, 2019
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WinDoor, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated July 10, 2015, issued by manufacturer, signed and sealed by Luis R. Lomas, P.E.

G. OTHERS

1. Notice of Acceptance No. **13-0917.09**, issued to WinDoor, Inc. for their Series "4000" Aluminum Single Hung Window - L.M.I. approved on 03/27/14 and expiring on 03/27/19.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0723.05

Expiration Date: March 27, 2019
Approval Date: June 23, 2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.

NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2014 (5th EDITION) FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
- WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
- WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 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".
- SHIMS SHALL BE MADE FROM MATERIALS CAPABLE OF SUSTAINING APPLICABLE LOADS, LOCATED AND APPLIED IN A THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- FRAME MATERIAL: ALUMINUM 6063-T6.
- UNITS MUST BE GLAZED PER ASTM E1300-04, SEE SHEET 2 FOR GLASS DETAILS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 CUT-THREAD WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX TAPCON 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.
- FOR ANCHORING INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS MINIMUM GRADE 5 WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- ALL FASTENERS TO BE CORROSION RESISTANT.
- 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:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - METAL STRUCTURE: STEEL 16GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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SHEET NO.	DESCRIPTION
1	NOTES
2 - 4	ELEVATIONS
5 - 6	CROSS SECTIONS
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12 - 13	COMPONENTS

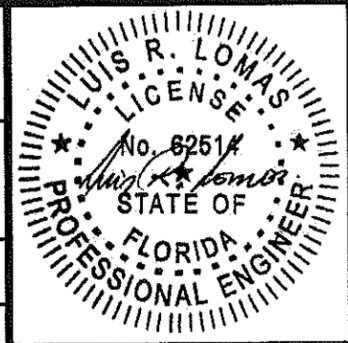
PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 15-0723.05
 Expiration Date March 27, 2019
 By *Manuel Perez*
 Miami Date Product Control

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

4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
 EQUAL LEG AND FLANGE - LMI & SMI
 NOTES

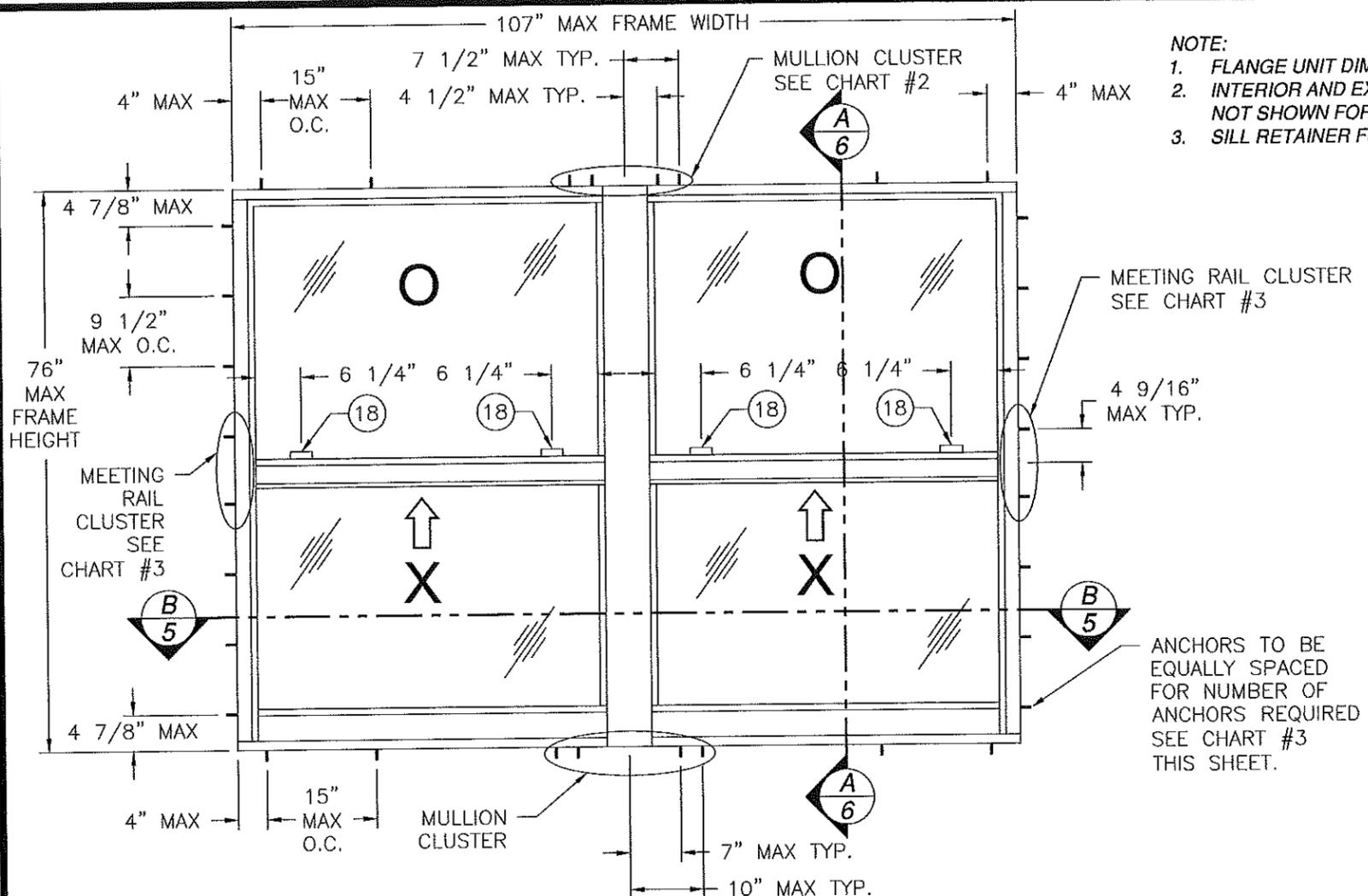
DRAWN:	DWG NO.	REV
V.L.	08-02104	B
SCALE NTS	DATE 06/21/13	SHEET 1 OF 13

SIGNED: 02/18/2016



- NOTE:**
1. FLANGE UNIT DIMENSIONS : 108" X 77" TIP TO TIP
 2. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 3. SILL RETAINER FULL LENGTH OF SILL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



4000 ALUMINUM SINGLE HUNG TWIN WINDOW
EXTERIOR VIEW

CHART #1
FOR METAL AND MASONRY/CONCRETE INSTALLATION

Frame Height (in)	Design pressure (psf)									
	Frame width (in)									
	60.00		72.00		84.00		96.00		107.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
30.00	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0
36.00	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	139.1
42.00	120.0	150.0	120.0	150.0	120.0	150.0	120.0	141.5	120.0	123.4
48.00	120.0	150.0	120.0	150.0	120.0	150.0	120.0	129.0	111.9	111.9
54.00	120.0	150.0	120.0	150.0	120.0	144.8	119.6	119.6	103.2	103.2
60.00	120.0	150.0	120.0	150.0	120.0	136.9	112.6	112.6	96.5	96.5
66.00	120.0	150.0	120.0	135.2	120.0	121.3	107.2	107.2	91.3	91.3
72.00	120.0	136.9	120.0	120.5	108.4	108.4	98.6	98.6	87.2	87.2
76.00	120.0	128.0	112.2	112.2	101.0	101.0	92.0	92.0	85.0	85.0

CHART #2
FOR WOOD INSTALLATION

Frame Height (in)	Design pressure (psf)									
	Frame width (in)									
	60.00		72.00		84.00		96.00		107.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
30.00	114.8	114.8	120.0	146.5	120.0	128.8	120.0	127.6	112.3	112.3
36.00	102.5	102.5	118.0	118.0	120.0	130.5	110.4	110.4	96.8	96.8
42.00	120.0	150.0	120.0	144.7	117.2	117.2	98.4	98.4	85.8	85.8
48.00	120.0	142.3	120.0	124.5	107.7	107.7	89.7	89.7	77.8	77.8
54.00	120.0	122.1	120.0	127.6	100.7	100.7	83.2	83.2	71.8	71.8
60.00	120.0	141.7	120.0	123.0	95.7	95.7	78.3	78.3	67.1	67.1
66.00	86.1	86.1	110.4	110.4	92.1	92.1	74.6	74.6	63.5	63.5
72.00	86.1	86.1	98.4	98.4	88.5	88.5	71.8	71.8	60.6	60.6
76.00	86.1	86.1	91.6	91.6	82.5	82.5	70.3	70.3	59.1	59.1

CHART #3

Frame Height (in)	Number of anchor locations required																			
	Frame Width (in)																			
	60.00				72.00				84.00				96.00				107.00			
	H&S	Jamb	Meeting rail cluster	Mullion cluster	H&S	Jamb	Meeting rail cluster	Mullion cluster	H&S	Jamb	Meeting rail cluster	Mullion cluster	H&S	Jamb	Meeting rail cluster	Mullion cluster	H&S	Jamb	Meeting rail cluster	Mullion cluster
30.00	1	1	1	2	2	1	2	2	2	1	2	2	2	1	2	3	2	1	2	3
36.00	1	1	1	2	2	1	2	2	2	1	2	3	2	1	2	3	2	1	2	3
42.00	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2	3	2	2	2	3
48.00	2	2	2	3	2	2	2	3	2	2	2	4	2	2	2	4	2	2	2	3
54.00	2	2	2	3	2	2	2	4	2	2	2	4	2	2	2	4	2	2	2	4
60.00	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4
66.00	2	3	1	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4
72.00	2	3	1	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4
76.00	1	3	1	4	2	3	2	4	2	3	2	4	2	3	2	4	2	3	2	4

FOR METAL AND MASONRY/CONCRETE INSTALLATION

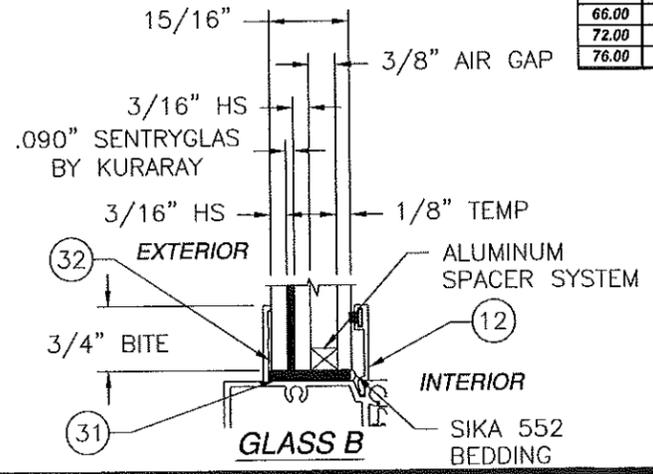
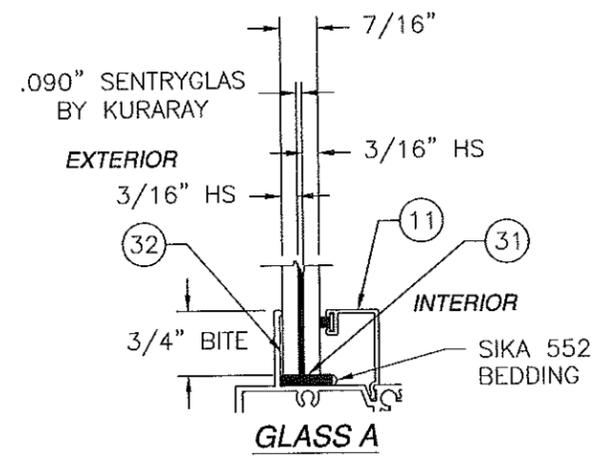
DESIGN PRESSURE RATING	IMPACT RATING
±85.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ FOR OTHER UNITS RATINGS SEE CHARTS #1

FOR WOOD INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±59.1PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ FOR OTHER UNITS RATINGS SEE CHARTS #2

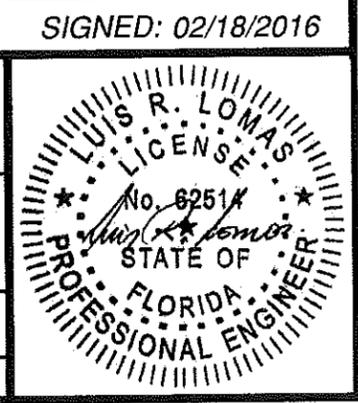


PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 15-0723.05
Expiration Date March 27, 2019
By: Manuel Lopez
Miami Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
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4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
TWIN ELEVATION & GLAZING DETAILS

DRAWN: V.L. DWG NO. 08-02104 REV B
SCALE NTS DATE 06/21/13 SHEET 2 OF 13



SIGNED: 02/18/2016

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.

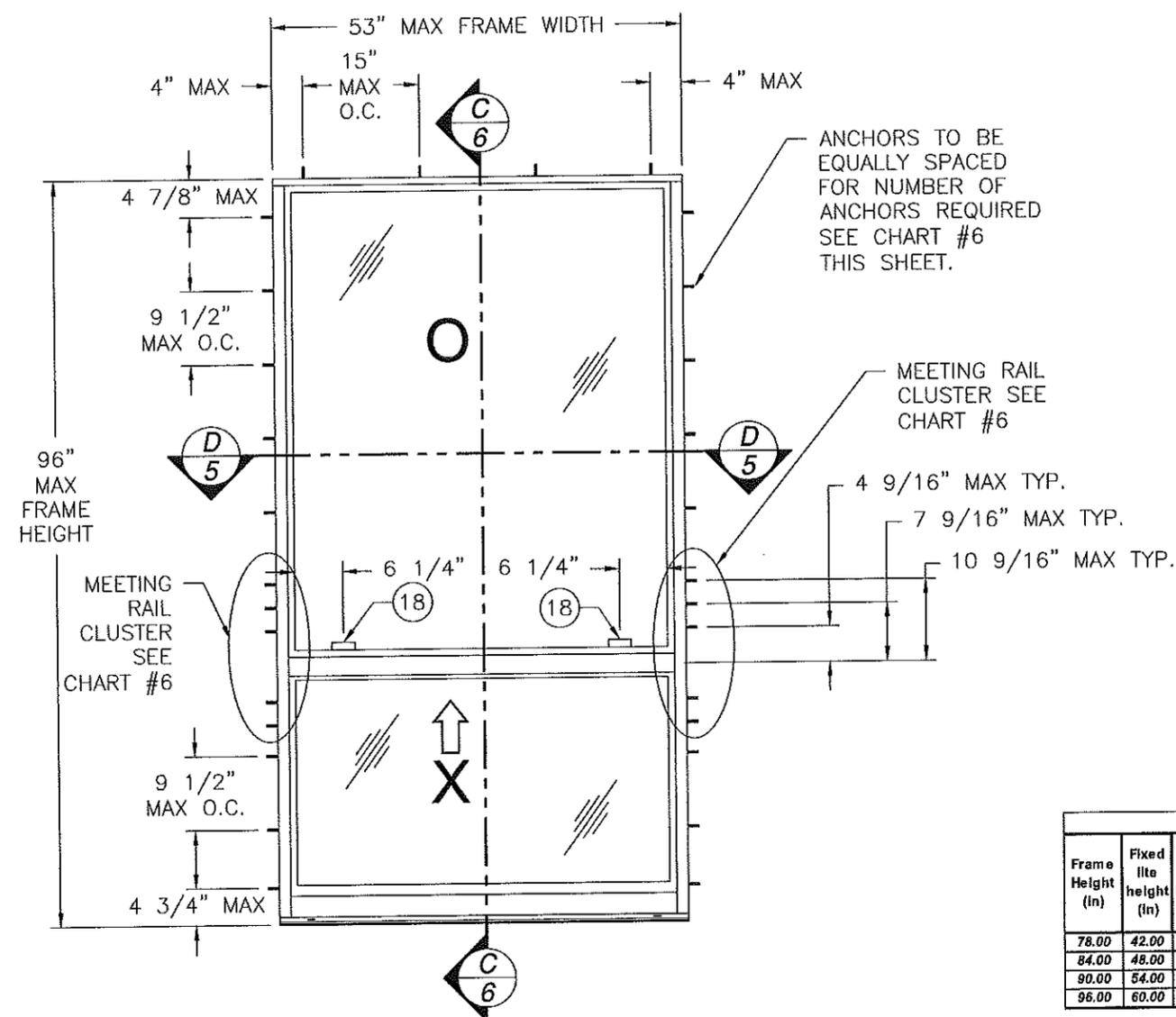


CHART #4
FOR METAL AND MASONRY/CONCRETE INSTALLATION

Maximum design pressure (psf)
For units installed in masonry/concrete substrate

Frame Height (in)	Panel width (in)									
	30.0		36.0		42.0		48.0		53.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
78.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0
84.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0
90.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0
96.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0

CHART #5
FOR WOOD INSTALLATION

Maximum design pressure (psf)
For units installed in wood substrate

Frame Height (in)	Frame Width (in)									
	30.00		36.00		42.00		48.00		53.00	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
78.00	120.0	143.5	119.6	119.6	120.0	129.5	108.3	108.3	95.3	95.3
84.00	117.4	117.4	107.7	107.7	102.5	102.5	100.9	100.9	100.9	100.9
90.00	120.0	132.5	119.6	119.6	111.8	111.8	107.7	107.7	106.4	106.4
96.00	114.8	114.8	102.5	102.5	118.3	118.3	107.7	107.7	109.1	109.1

CHART #6
Number of anchor locations required

Frame Height (in)	Fixed lite height (in)	Vent lite height (in)	Frame Width (in)																				
			30.00				36.00				42.00				48.00				53.00				
			Head	Jamb upper	Meeting rail cluster	Jamb lower	Head	Jamb upper	Meeting rail cluster	Jamb lower	Head	Jamb upper	Meeting rail cluster	Jamb lower	Head	Jamb upper	Meeting rail cluster	Jamb lower	Head	Jamb upper	Meeting rail cluster	Jamb lower	
78.00	42.00	36.00	3	3	3	2	3	3	3	2	3	3	4	3	4	3	4	3	4	3	4	3	
84.00	48.00	36.00	3	3	3	2	3	3	3	2	3	3	4	3	4	3	4	3	4	3	5	3	
90.00	54.00	36.00	3	4	3	2	3	4	3	2	3	4	4	3	4	4	4	3	4	4	4	5	3
96.00	60.00	36.00	3	4	3	2	3	4	3	2	3	5	4	3	4	5	4	3	4	5	5	3	

4000 ALUMINUM SINGLE HUNG ORIEL WINDOW
EXTERIOR VIEW

FOR METAL, AND MASONRY/CONCRETE INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
+120.0/-150.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
FOR OTHER UNITS RATINGS SEE CHART #4

FOR WOOD INSTALLATION

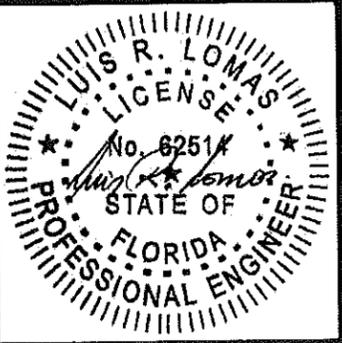
DESIGN PRESSURE RATING	IMPACT RATING
±109.1PSF	LARGE AND SMALL MISSILE IMPACT

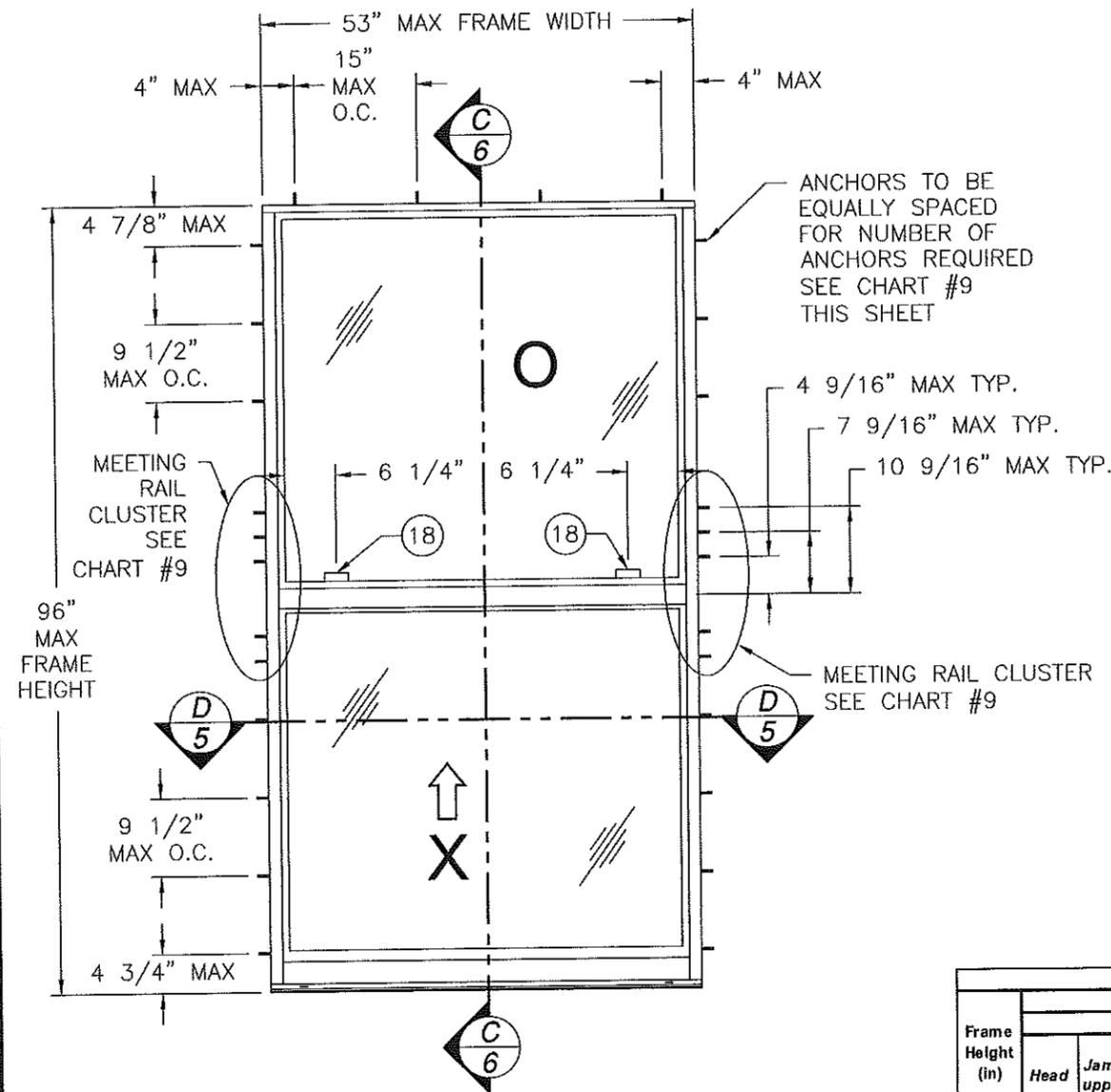
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
FOR OTHER UNITS RATINGS SEE CHARTS #5

- NOTE:
- FLANGE UNIT DIMENSIONS : 54" X 97" TIP TO TIP
 - INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 - NO FASTENERS IN SILL, AT SINGLE UNITS ONLY.

SIGNED: 02/18/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.05 Expiration Date March 27, 2019 By <i>Manuel Perez</i> Miami/Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windowinc.com
	4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW EQUAL LEG AND FLANGE - LMI & SMI ORIEL ELEVATION
DRAWN: V.L. SCALE NTS	DWG NO. 08-02104 DATE 06/21/13
	REV B SHEET 3 OF 13





4000 ALUMINUM SINGLE HUNG WINDOW
EXTERIOR VIEW

FOR METAL AND MASONRY/CONCRETE INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
+120.0/-150.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
FOR OTHER UNITS RATINGS SEE CHART #7

FOR WOOD INSTALLATION

DESIGN PRESSURE RATING	IMPACT RATING
±98.4PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
FOR OTHER UNITS RATINGS SEE CHART #8

CHART #7
FOR METAL AND MASONRY/CONCRETE INSTALLATION

Design pressure (psf)											
For units installed in masonry/concrete substrate											
Frame Height (in)	Panel width (in)										
	30.0		36.0		42.0		48.0		53.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
36.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
42.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
48.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
54.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
60.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
66.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
72.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
78.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
84.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
90.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	
96.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	120.0	150.0	

CHART #8
FOR WOOD INSTALLATION

Design pressure (psf)											
For units installed in wood substrate											
Frame Height (in)	Panel width (in)										
	30.0		36.0		42.0		48.0		53.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
36.0	120.0	143.5	119.6	119.6	102.5	102.5	98.9	98.9	120.0	133.1	
42.0	120.0	123.0	102.5	102.5	100.4	100.4	120.0	129.4	115.9	115.9	
48.0	107.6	107.6	107.6	107.6	120.0	134.5	115.3	115.3	103.0	103.0	
54.0	95.6	95.6	98.1	98.1	106.3	106.3	104.3	104.3	106.3	106.3	
60.0	114.8	114.8	120.0	135.9	112.3	112.3	95.6	95.6	97.4	97.4	
66.0	107.6	107.6	120.0	126.9	104.3	104.3	97.8	97.8	104.9	104.9	
72.0	101.3	101.3	119.6	119.6	97.8	97.8	110.4	110.4	97.8	97.8	
78.0	95.6	95.6	102.5	102.5	101.9	101.9	101.9	101.9	101.9	101.9	
84.0	95.6	95.6	102.5	102.5	117.1	117.1	98.4	98.4	104.4	104.4	
90.0	114.8	114.8	95.6	95.6	111.8	111.8	107.6	107.6	97.4	97.4	
96.0	117.4	117.4	97.8	97.8	102.5	102.5	100.9	100.9	98.4	98.4	

CHART #9

Frame Height (in)	Number of anchor locations required																			
	Frame Width (in)																			
	30.00				36.00				42.00				48.00				53.00			
	Head	Jamb upper	Meeting rail Cluster	Jamb lower	Head	Jamb upper	Meeting rail Cluster	Jamb lower	Head	Jamb upper	Meeting rail Cluster	Jamb lower	Head	Jamb upper	Meeting rail Cluster	Jamb lower	Head	Jamb upper	Meeting rail Cluster	Jamb lower
36.00	3	1	2	1	3	1	2	1	4	1	2	1	4	1	2	1	4	1	3	2
42.00	3	1	2	1	3	1	2	1	4	1	2	2	4	1	3	2	4	1	3	2
48.00	3	1	2	1	3	1	2	2	4	1	3	2	4	1	3	2	4	1	3	2
54.00	3	1	2	1	3	1	2	2	4	1	3	2	4	1	3	2	4	1	4	2
60.00	3	2	2	2	3	2	3	2	4	2	3	2	4	2	3	2	4	2	4	2
66.00	3	2	2	2	3	2	3	2	4	2	3	2	4	2	4	2	4	2	4	3
72.00	3	2	2	2	3	2	3	2	4	2	3	2	4	2	4	3	4	2	4	3
78.00	3	2	2	2	3	2	3	2	4	2	4	3	4	3	4	3	4	3	5	3
84.00	3	2	3	2	3	3	3	2	4	3	4	3	4	3	4	3	4	3	5	3
90.00	3	3	3	2	3	3	3	2	4	3	4	3	4	3	5	3	4	3	5	3
96.00	3	3	3	3	3	3	3	3	4	3	4	3	4	3	5	3	4	3	5	4

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHART	07/13/15	R.L.

- NOTE:
1. FLANGE UNIT DIMENSIONS : 54" X 97" TIP TO TIP
 2. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 3. NO FASTENERS IN SILL, AT SINGLE UNITS ONLY.

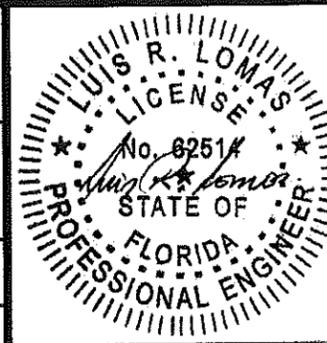
PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 15-0723.05
Expiration Date March 27, 2019
By: *[Signature]*
Miami/Dade Product Control

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

4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
EQUAL LEG ELEVATION

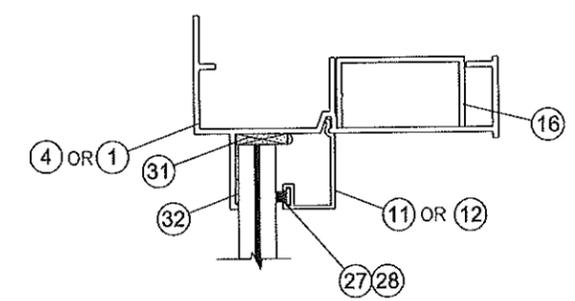
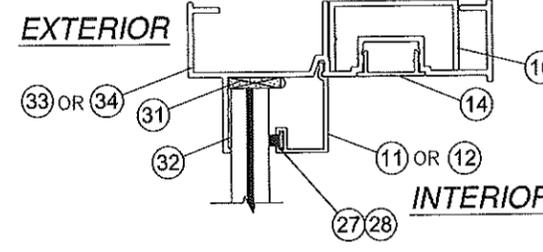
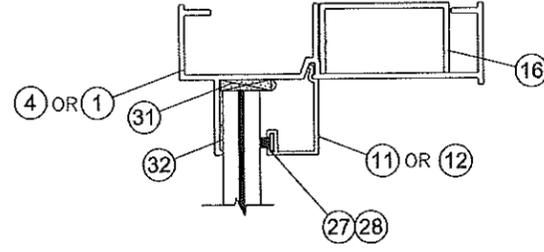
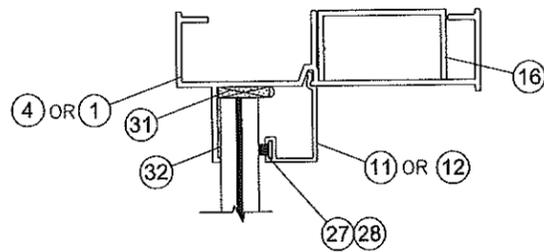
DRAWN: V.L.	DWG NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 4 OF 13

SIGNED: 02/18/2016

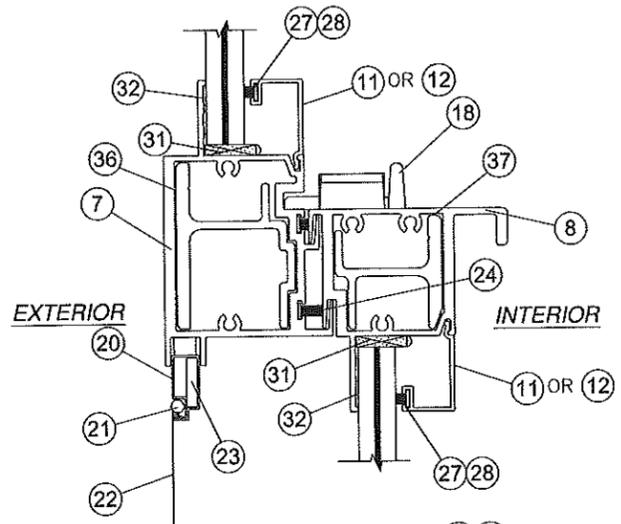


FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS REFER TO SHEETS 7 - 11

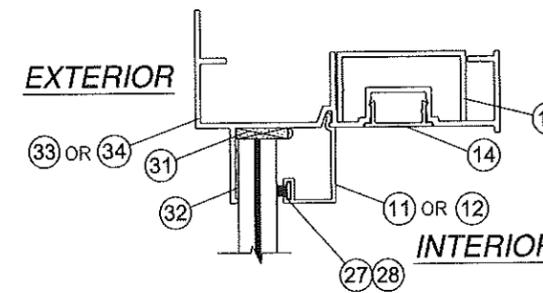
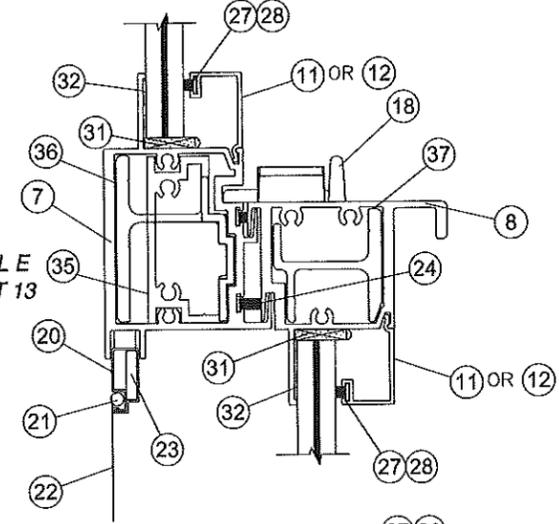
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



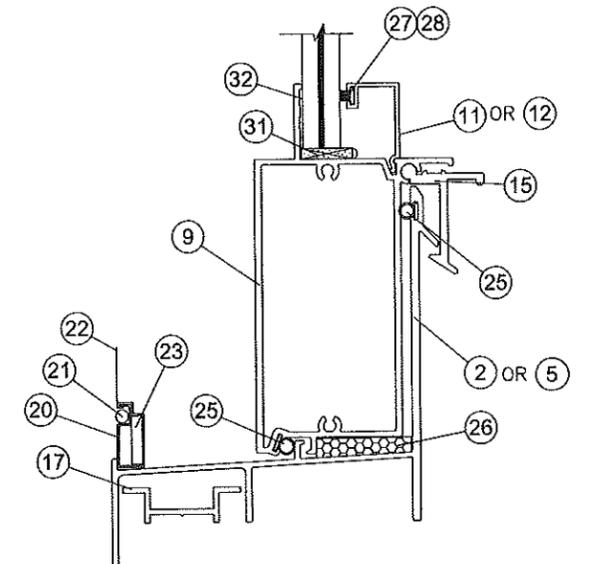
OPTIONAL HEAD FRAME



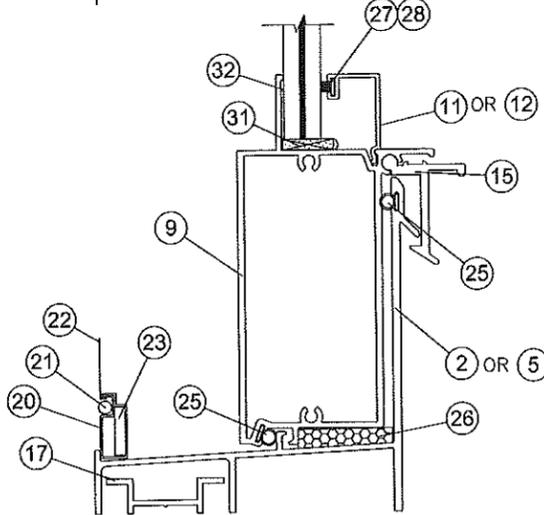
SEE
DETAIL E
SHEET 13



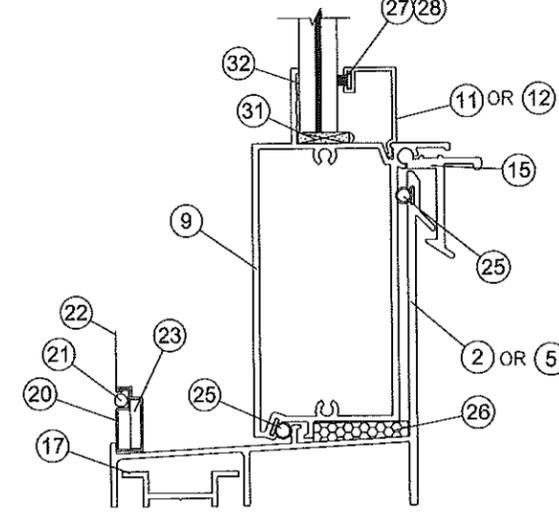
OPTIONAL HEAD FLANGE FRAME



VERTICAL CROSS SECTION
FLANGE FRAME
MEETING RAIL NOT SHOWN



C
6 VERTICAL CROSS SECTION
SINGLE UNIT



A
6 VERTICAL CROSS SECTION
TWIN UNIT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0723.05
Expiration Date March 27, 2019
By *[Signature]*
Miami Dade Product Control

WinDoor
INCORPORATED

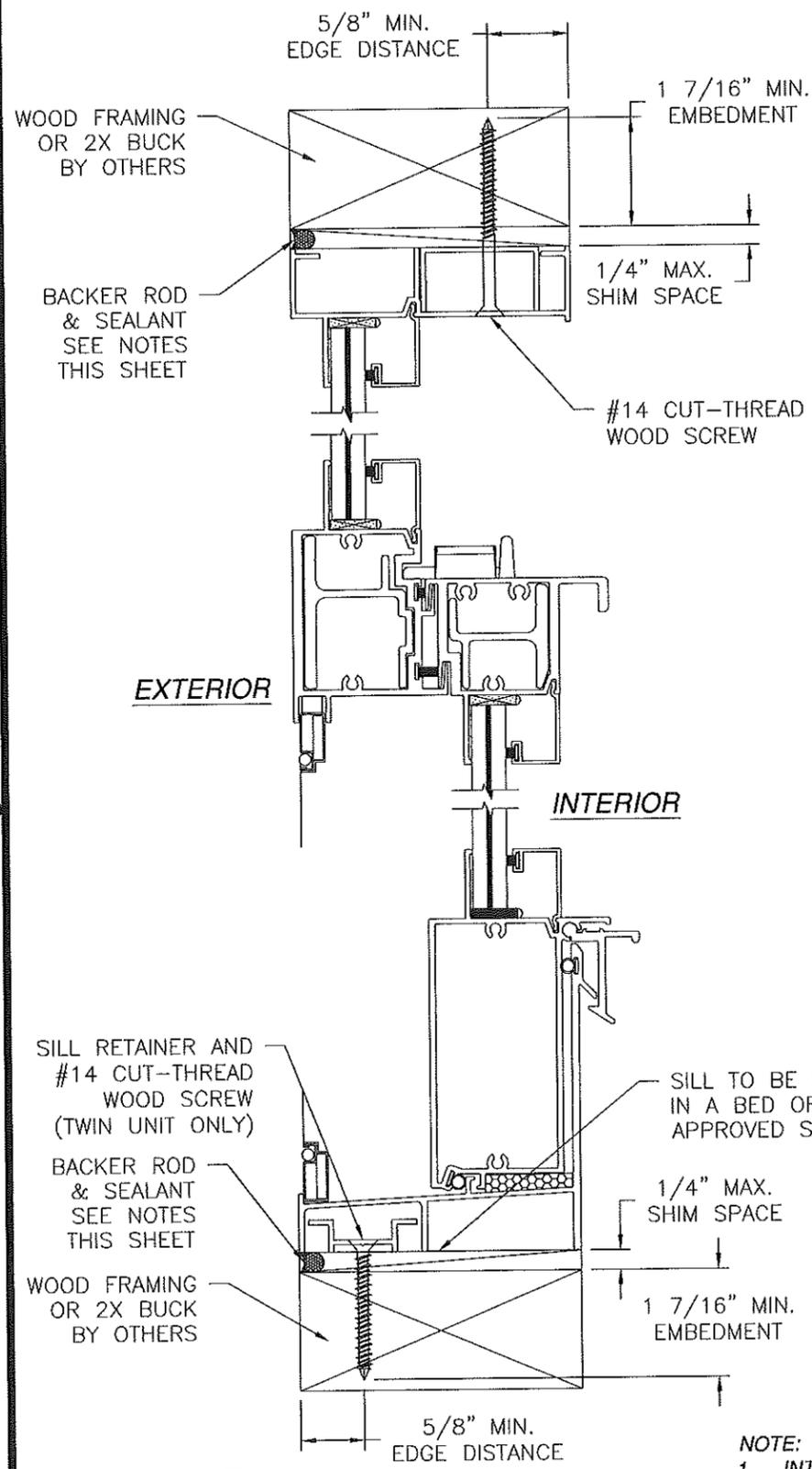
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
B.O.M. & CROSS SECTIONS

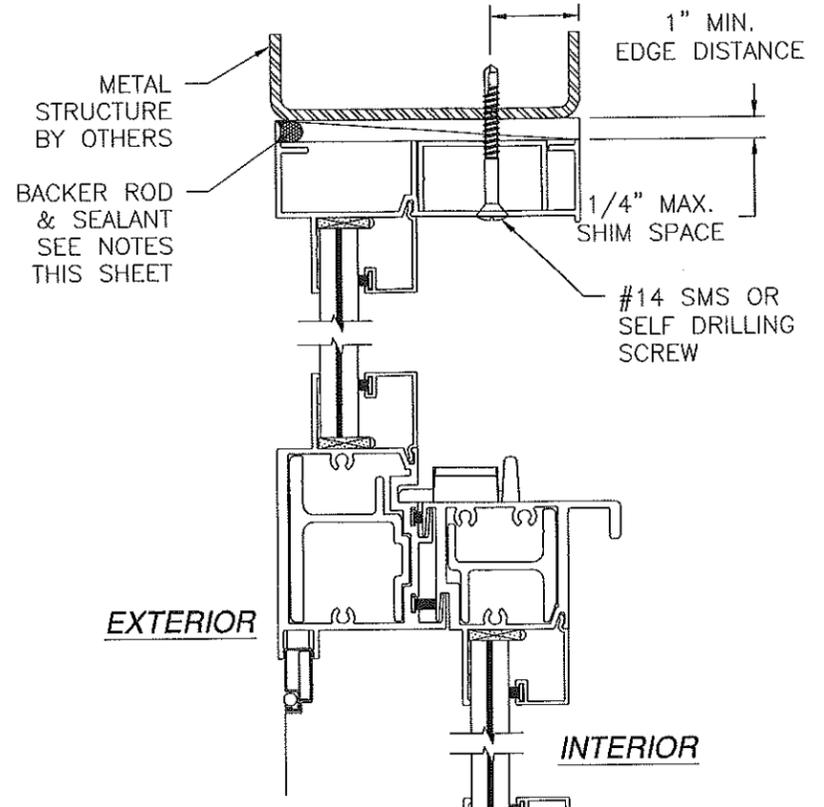
DRAWN: V.L.	DWG. NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 6 OF 13

SIGNED: 02/18/2016

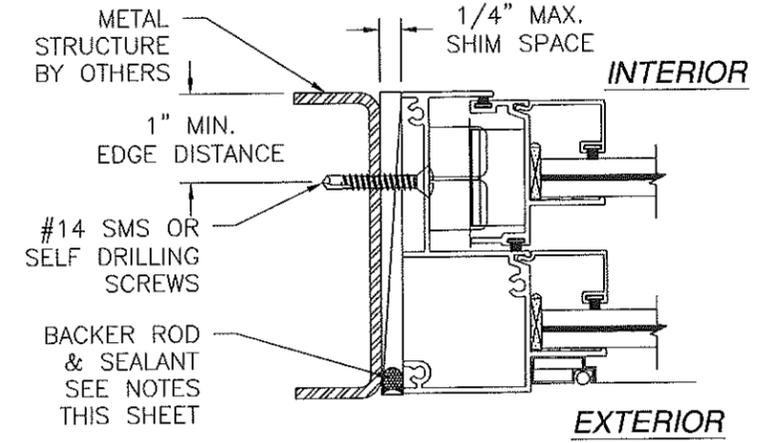
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



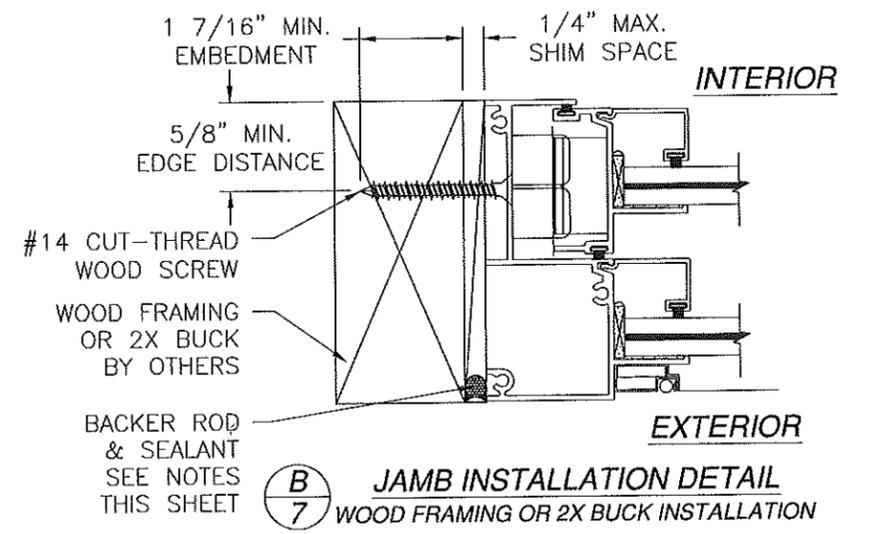
A
7 VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



A
7 VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



B
7 JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



B
7 JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
 3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

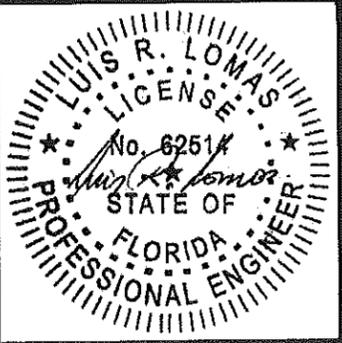
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0723.05
Expiration Date March 27, 2019
By *Manuel Cruz*
Miami Dade Product Control

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

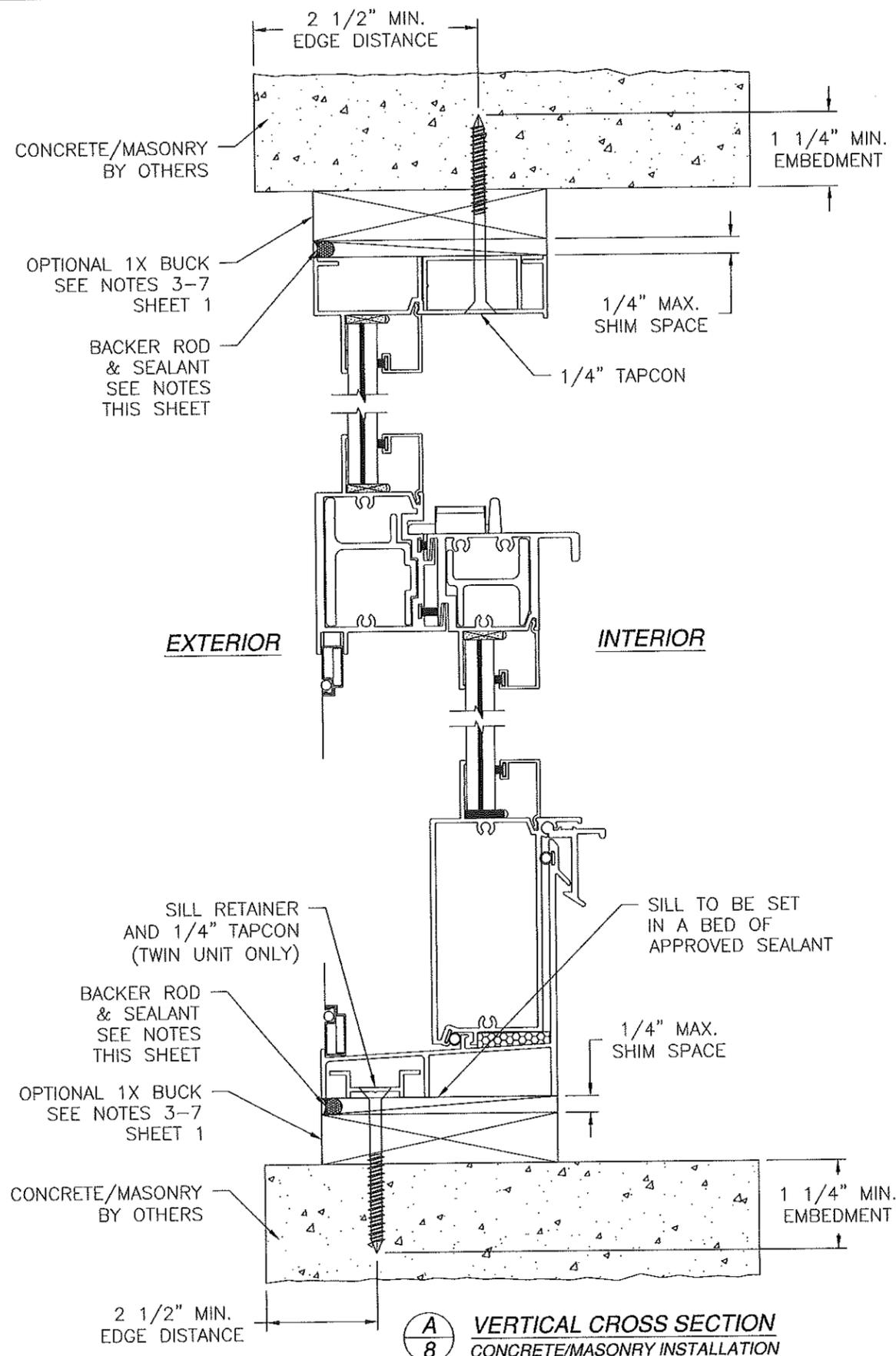
4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
FLUSH INSTALLATION DETAILS

DRAWN: V.L.	DWG. NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 7 OF 13

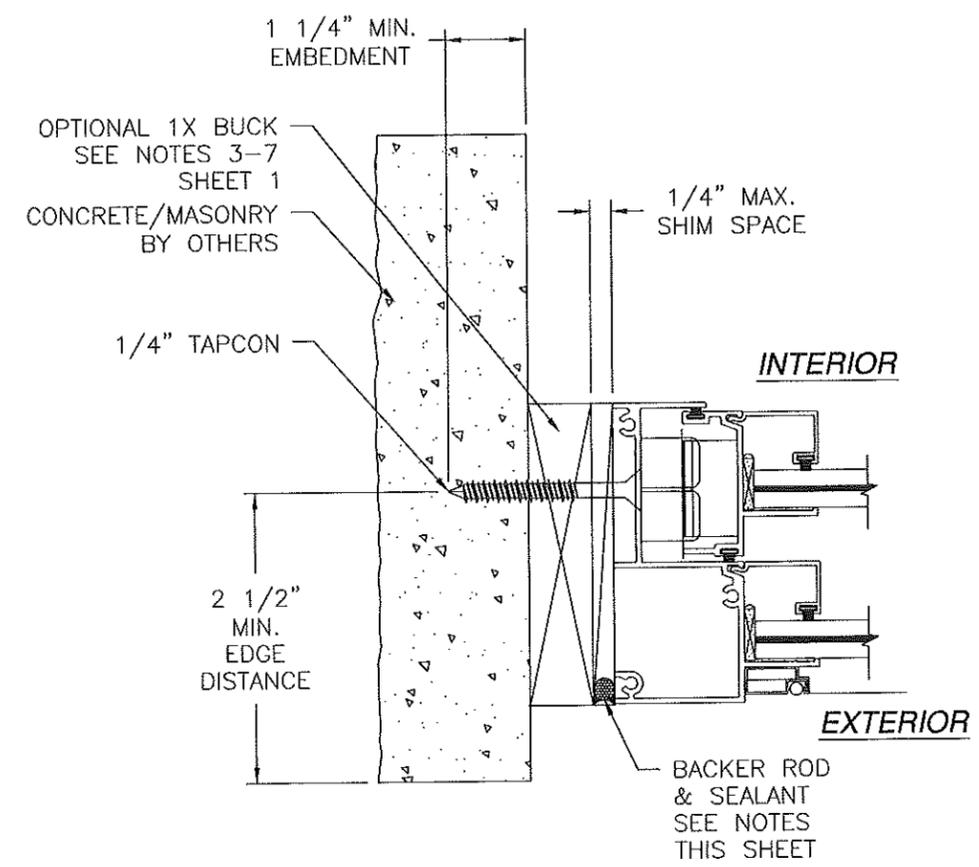
SIGNED: 02/18/2016



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



A
8 VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



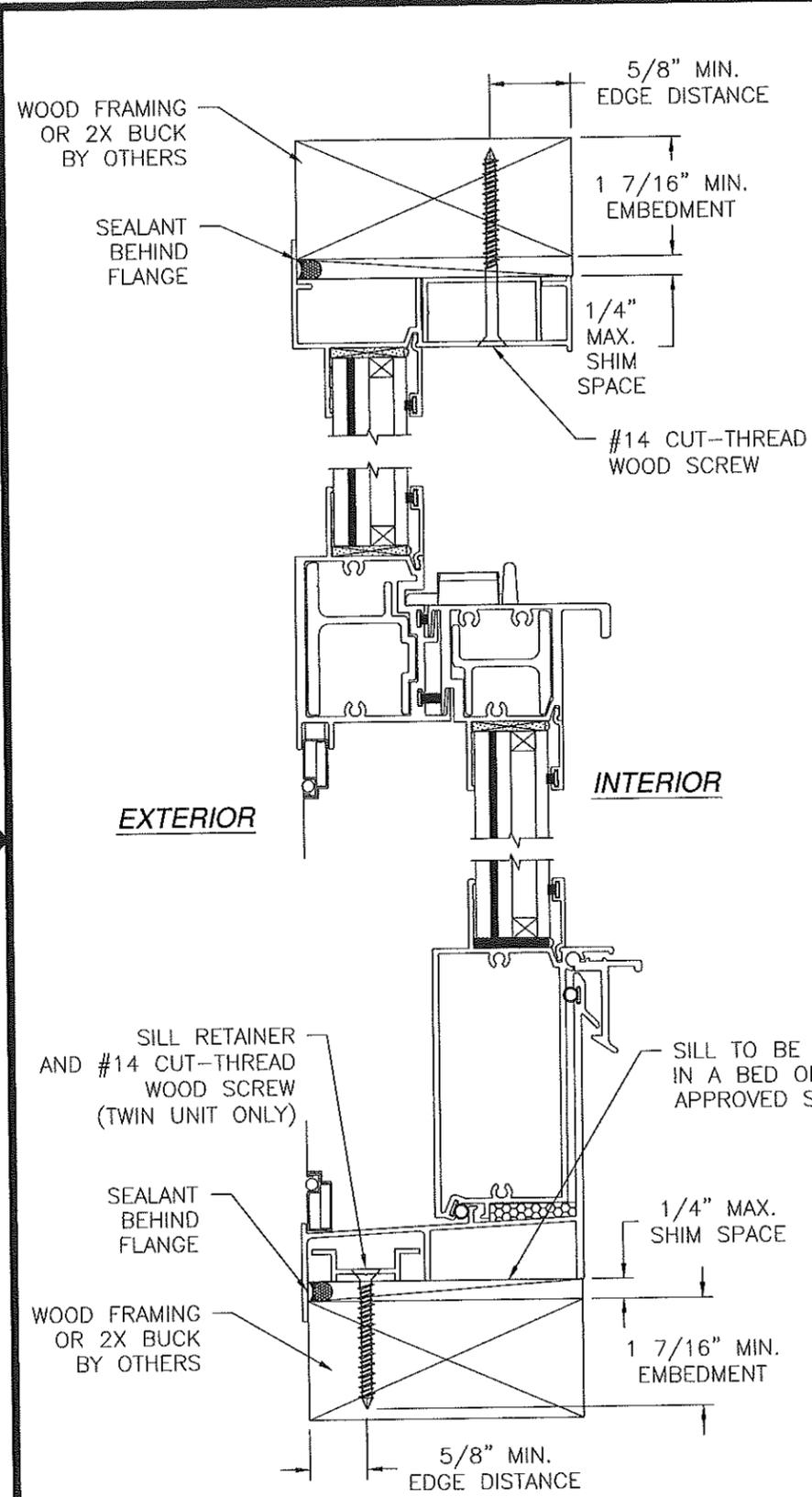
B
8 JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
 3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

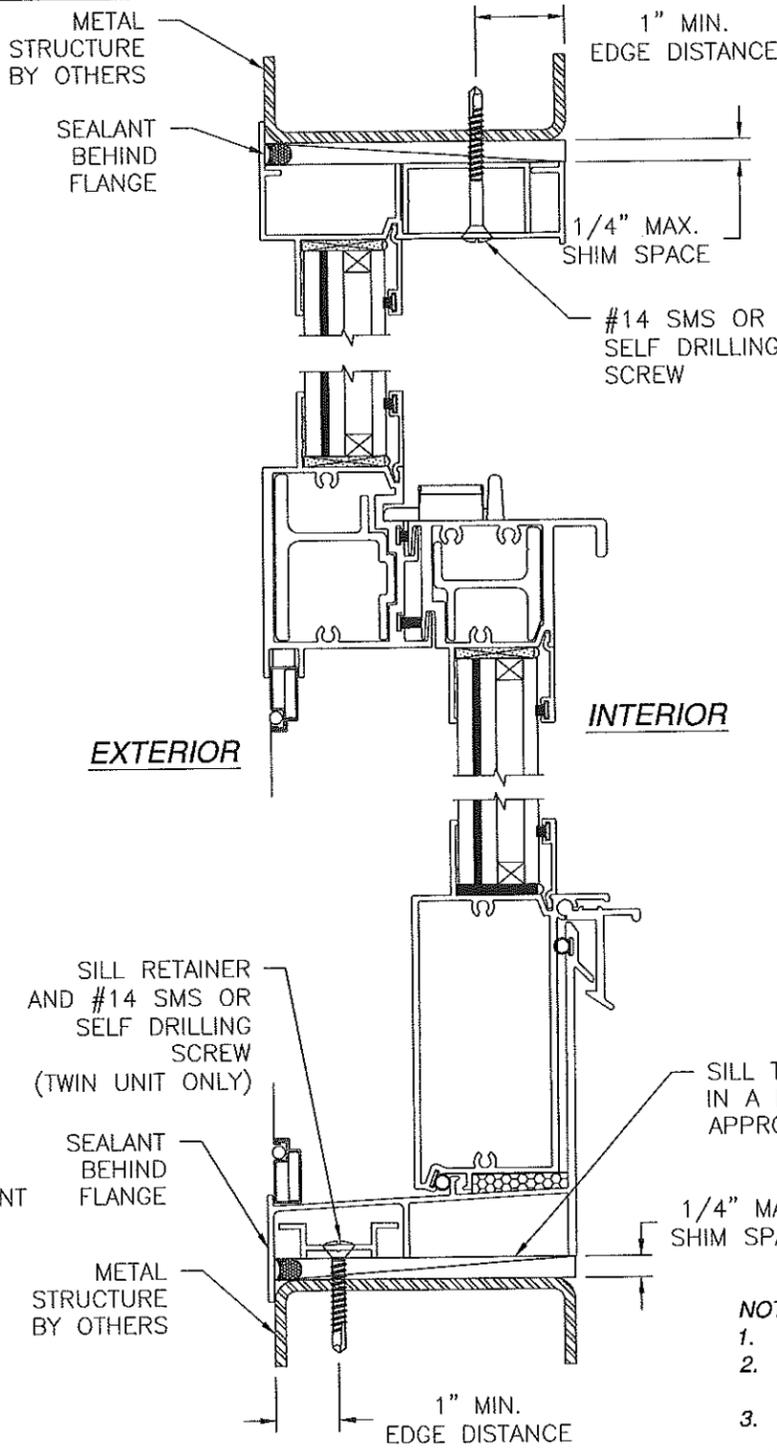
SIGNED: 02/18/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.05 Expiration Date March 27, 2019 By <i>Manuel Perez</i> Miami Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW EQUAL LEG AND FLANGE - LMI & SMI FLUSH INSTALLATION DETAILS	
DRAWN: V.L.	DWG. NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 8 OF 13

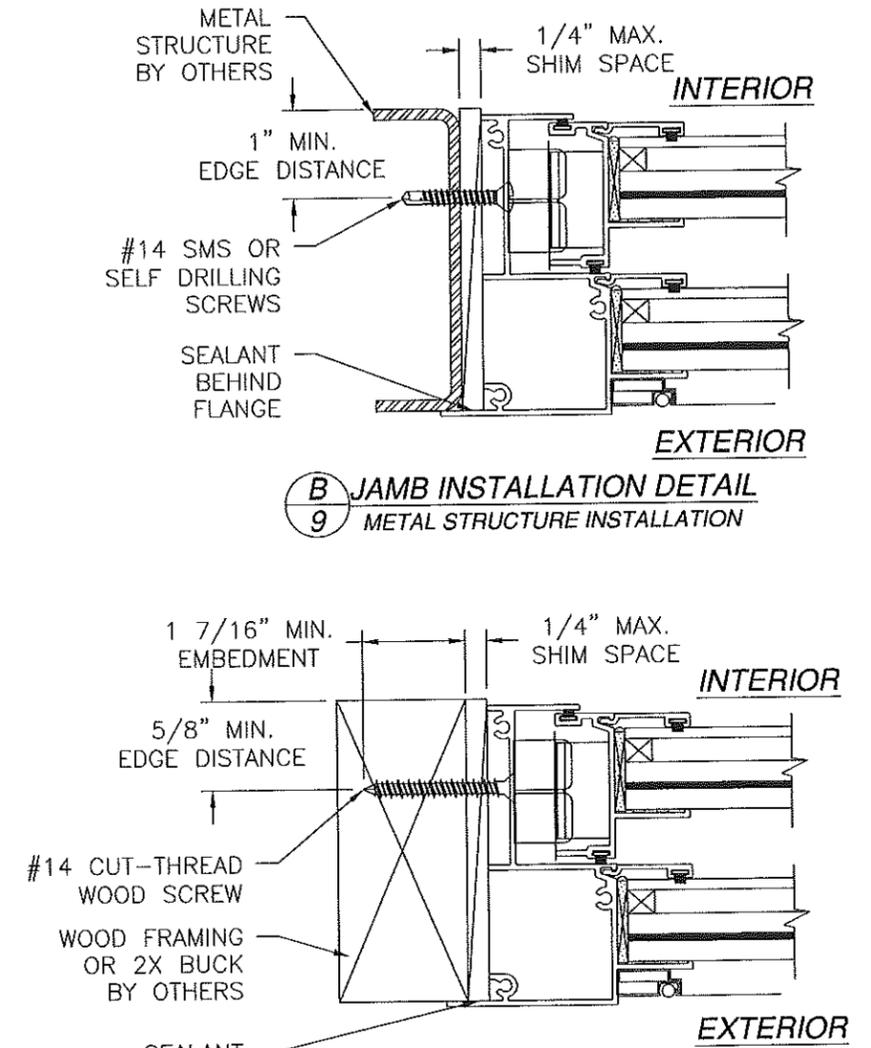
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



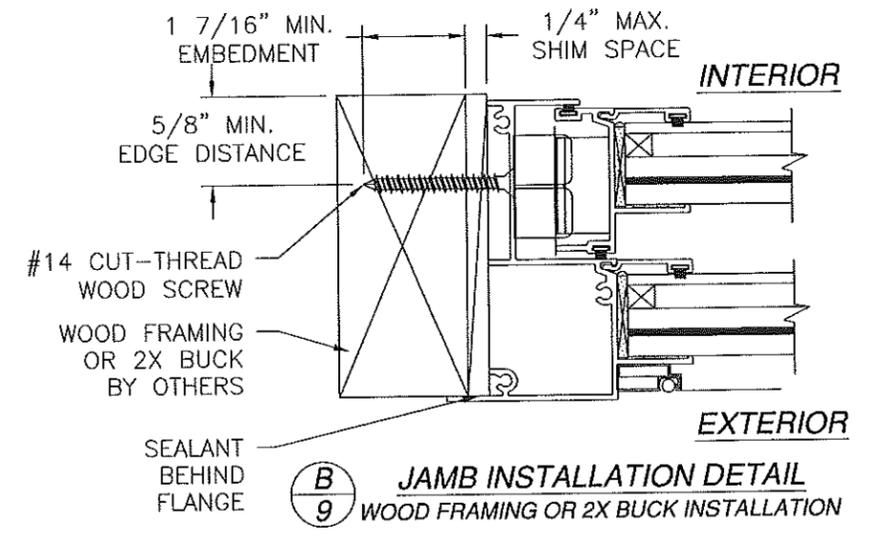
A
9 VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



A
9 VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



B
9 JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION



B
9 JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- NOTE:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
 3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

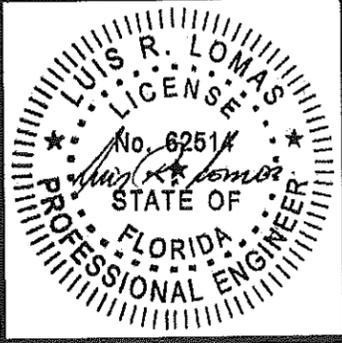
SIGNED: 02/18/2016

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0723.05
Expiration Date March 27, 2019
By *Manuel Lopez*
Miami Dade Product Control

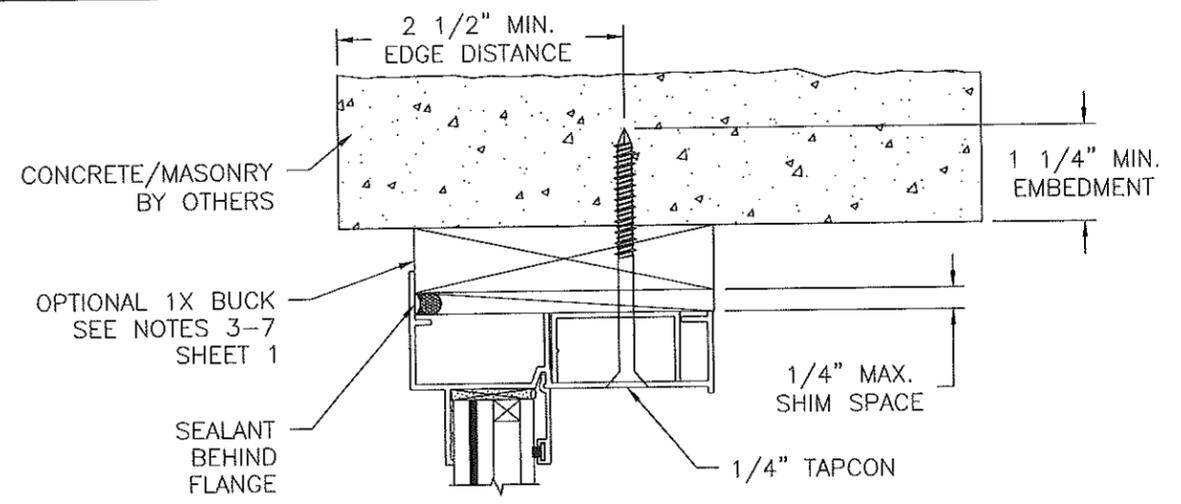
WinDoor
INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407.481.8400
Fax: 407.481.0505
www.windoorinc.com

4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
FLANGE INSTALLATION DETAILS

DRAWN: V.L.	DWG. NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 9 OF 13

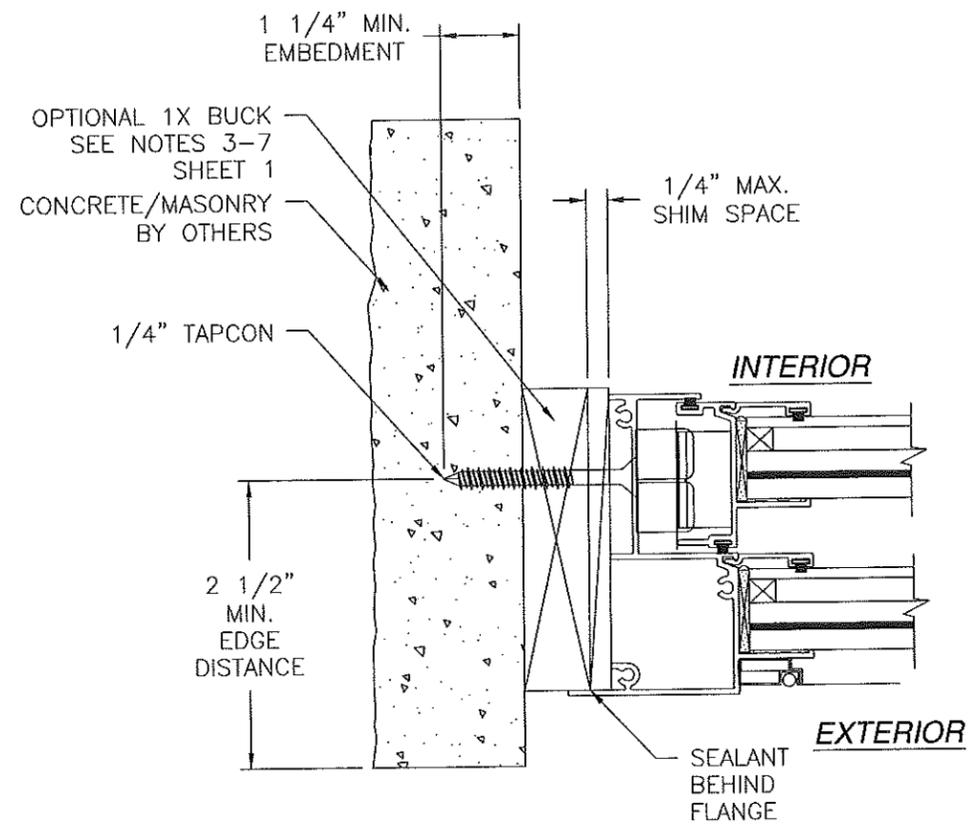


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



EXTERIOR

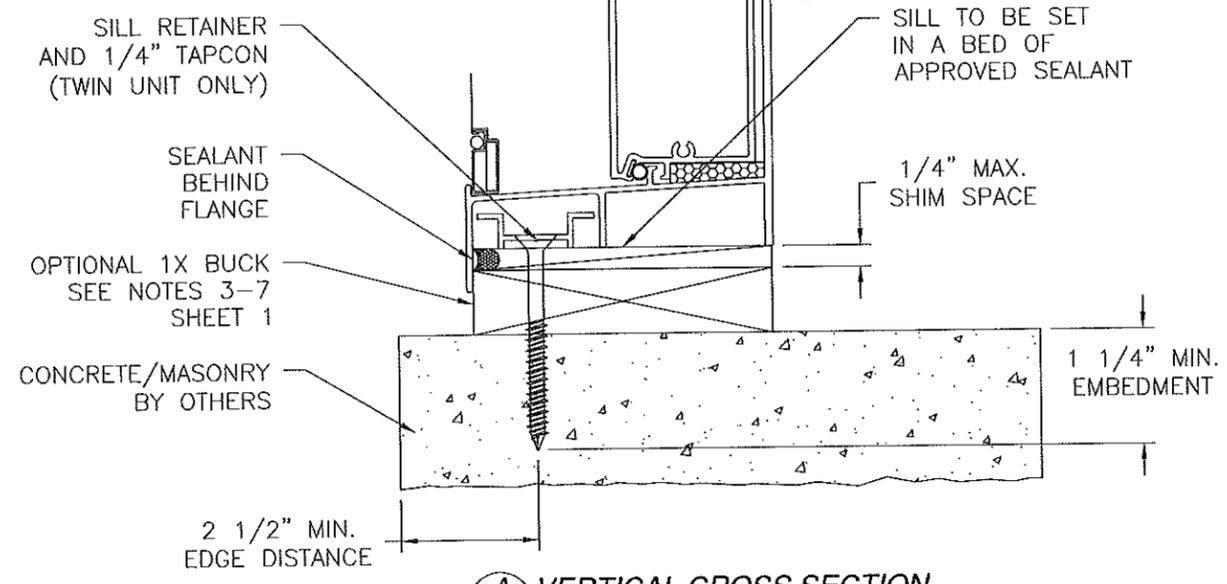
INTERIOR



INTERIOR

EXTERIOR

B
10 JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION



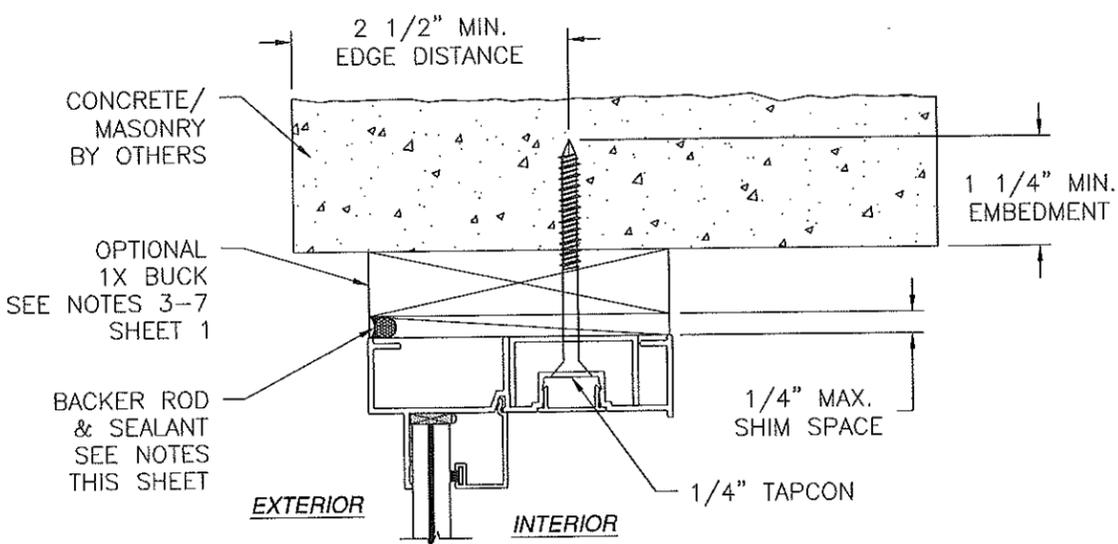
A
10 VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
 3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

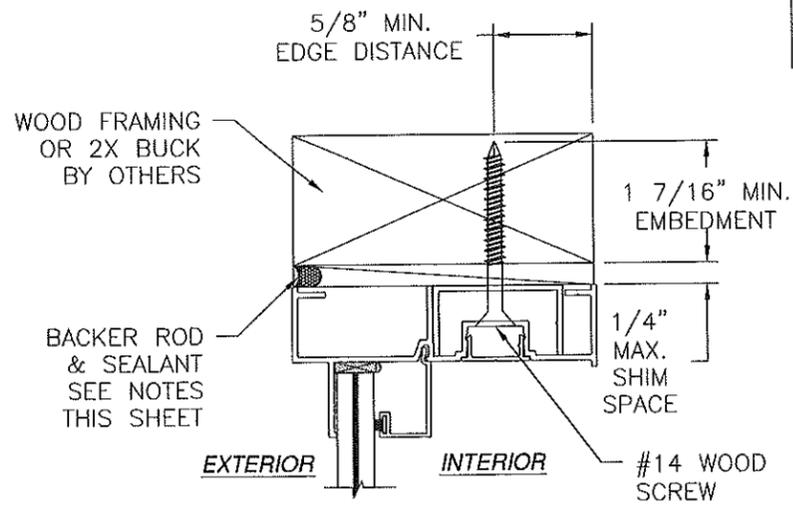
SIGNED: 02/18/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.05 Expiration Date March 27, 2019 By <i>Manuel J...</i> Miami/Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW EQUAL LEG AND FLANGE - LMI & SMI INSTALLATION DETAILS	
DRAWN: V.L.	DWG NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 10 OF 12

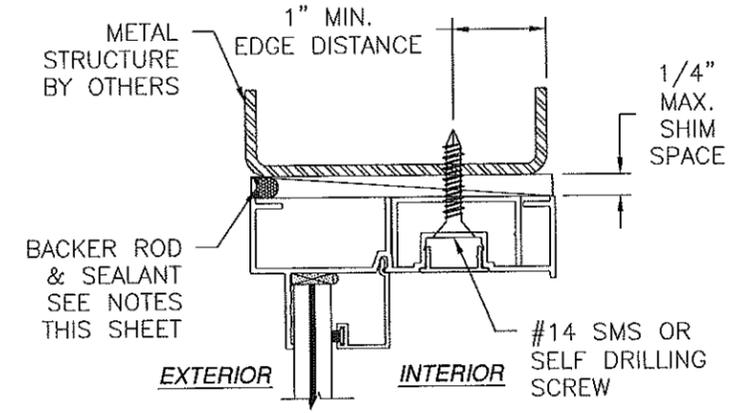
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



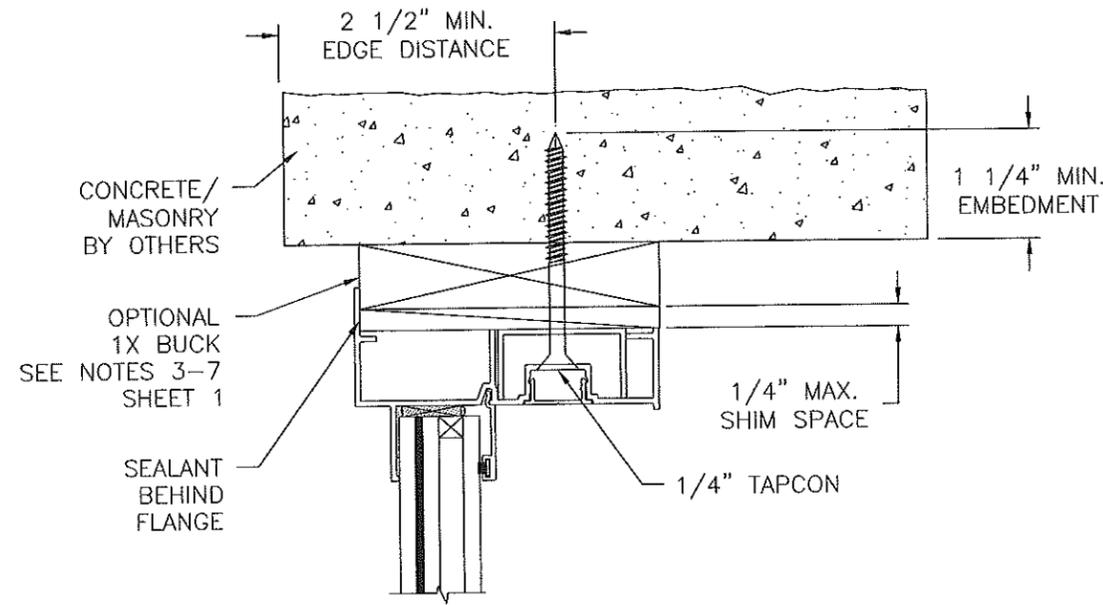
**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION**



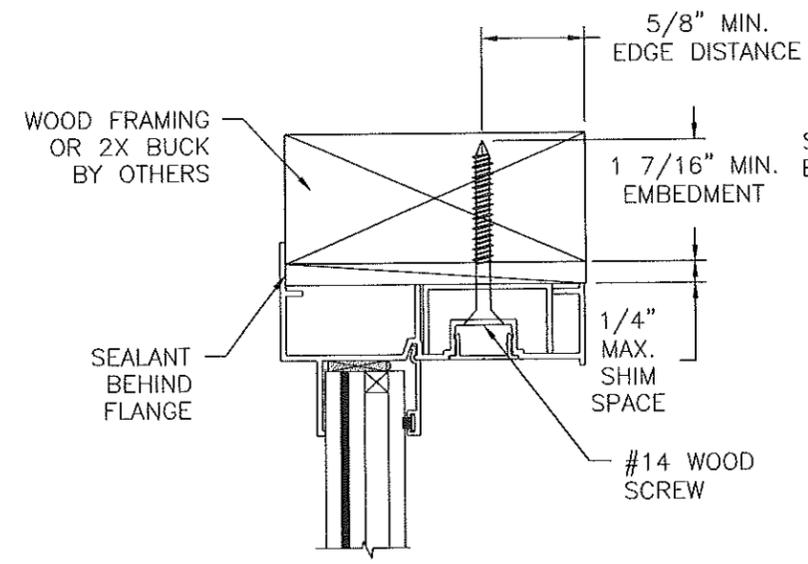
**VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION**



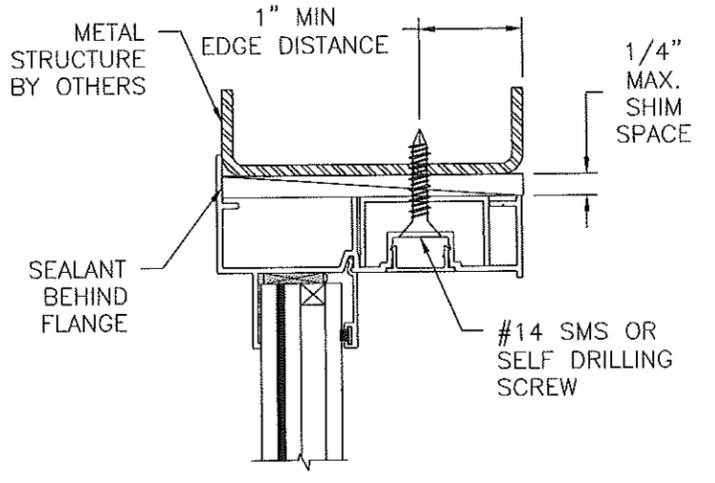
**VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION**



**VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION**



**VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION**



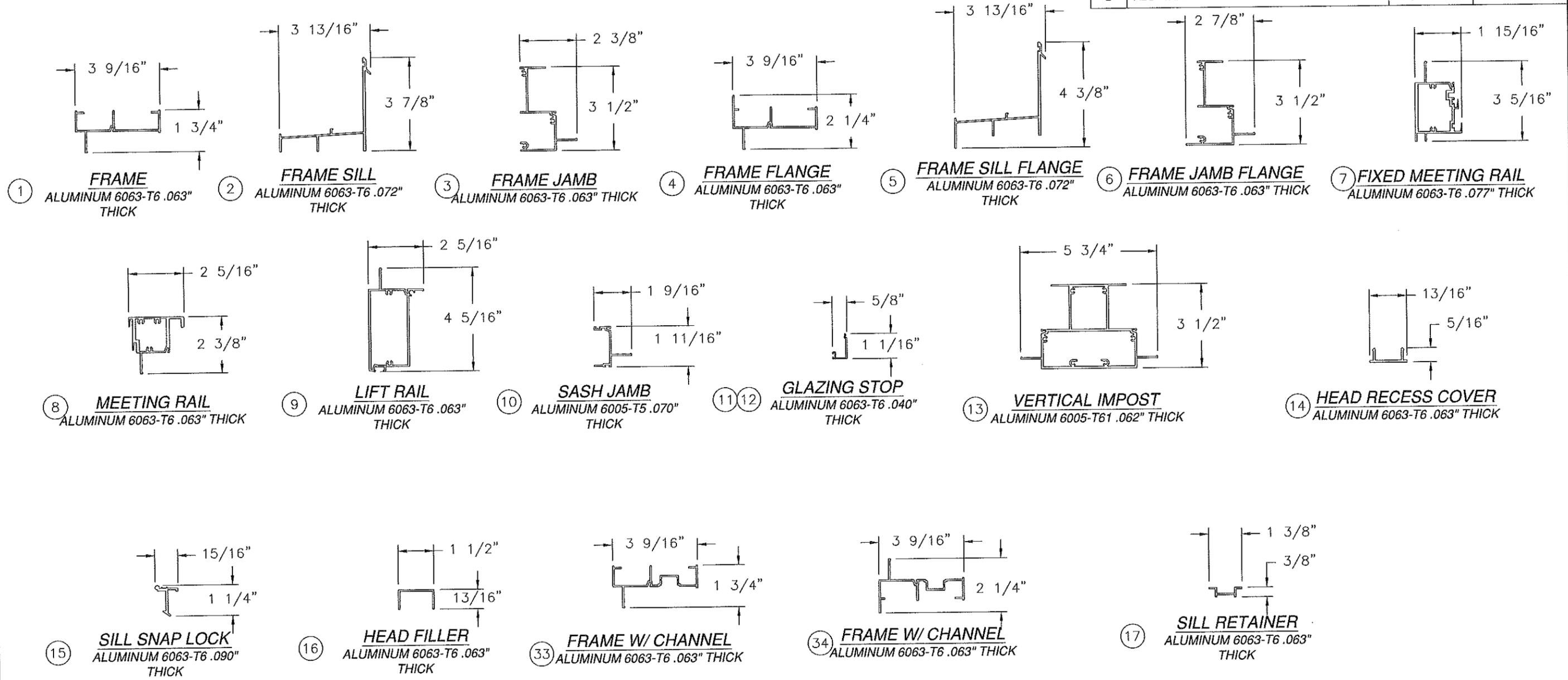
**VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION**

- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
 3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

SIGNED: 02/18/2016

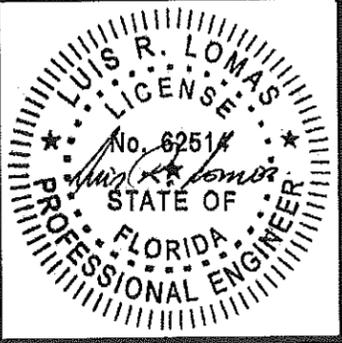
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.05 Expiration Date March 27, 2019 By <i>Manuel Perez</i> Miami Dade Product Control	WinDoor INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8490 Fax: 407.481.0505 www.windoorinc.com	
	4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW EQUAL LEG AND FLANGE - LMI & SMI INSTALLATION DETAILS	
DRAWN: V.L.	DWG. NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 11 OF 13

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.

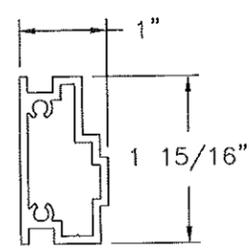


SIGNED: 02/18/2016

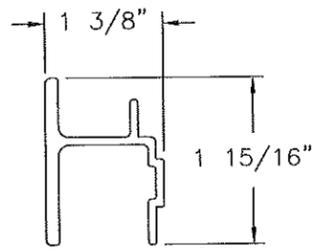
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.05 Expiration Date Dec 31, 2019 By <i>Manuel Lopez</i> Miami Dade Product Control	WinDoor INCORPORATED		7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com
	4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW EQUAL LEG AND FLANGE - LMI & SMI COMPONENTS		
	DRAWN: V.L.	DWG NO. 08-02104	REV B
	SCALE NTS	DATE 06/21/13	SHEET 12 OF 13



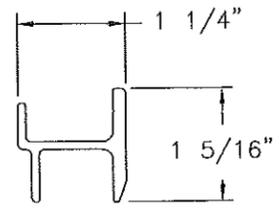
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADD WOOD RATING CHARTS	07/13/15	R.L.



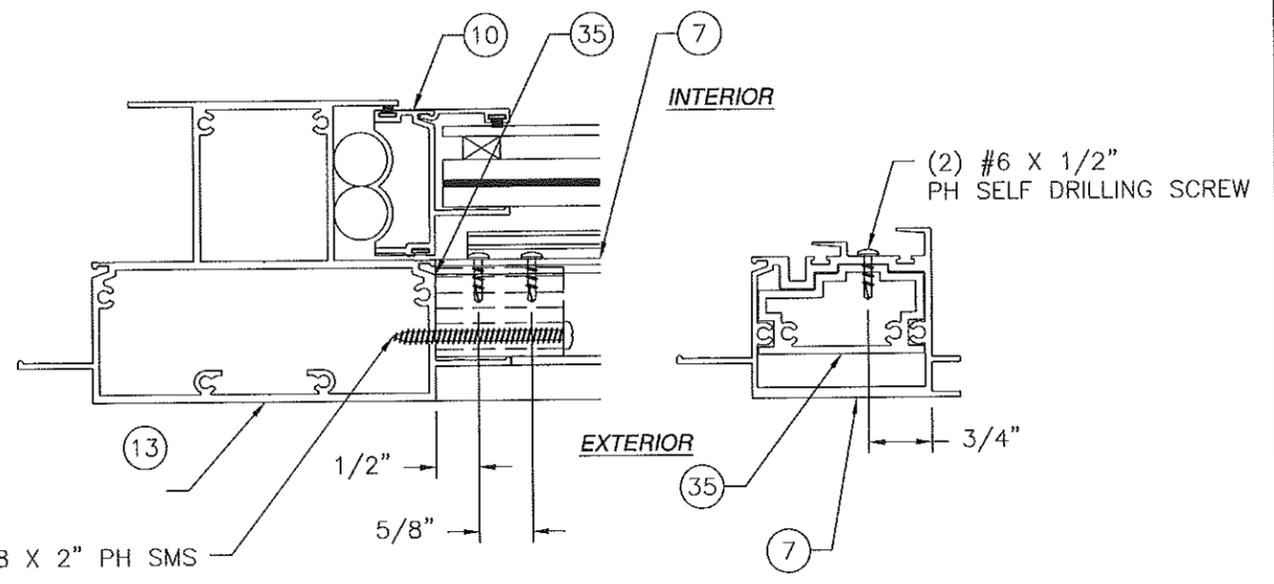
35 **SHEAR BLOCK**
ALUMINUM 6063-T6 .090" THICK



36 **REINFORCEMENT**
ALUMINUM 6005-T61 .090" THICK

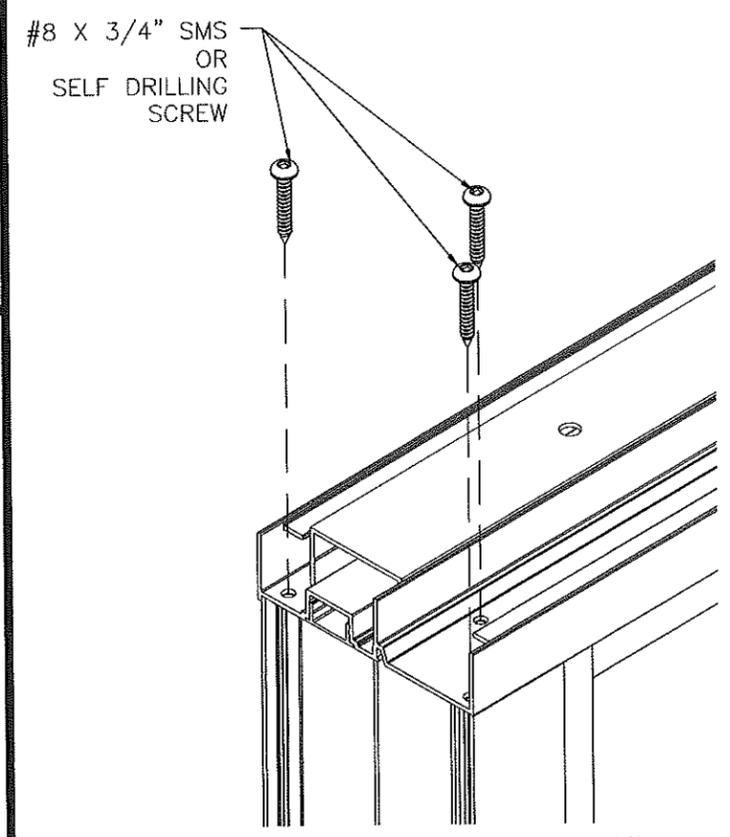


37 **REINFORCEMENT**
ALUMINUM 6005-T61 .090" THICK

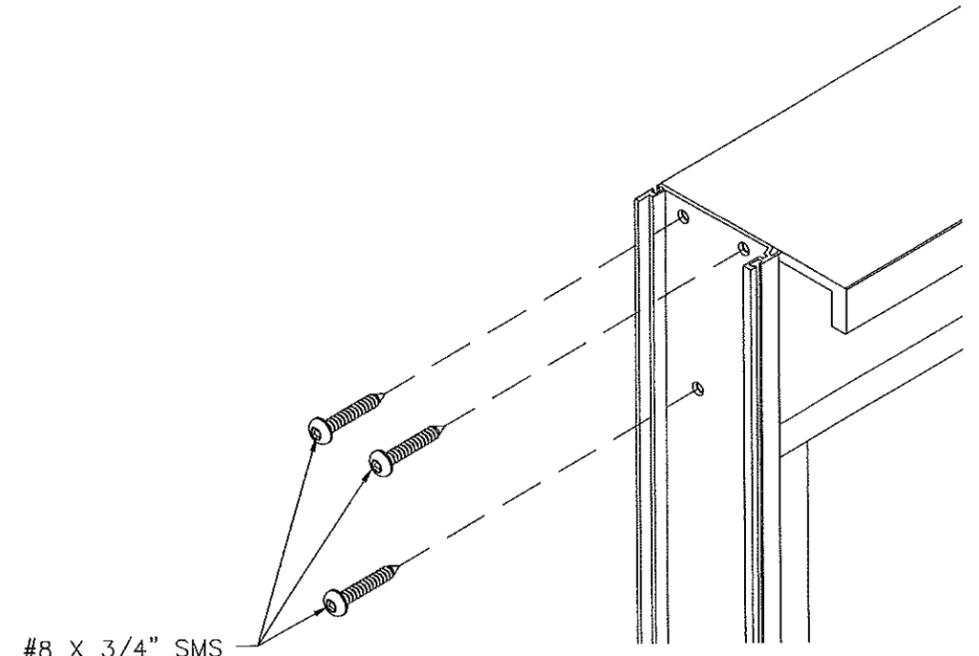


(2) #8 X 2" PH SMS

DETAIL E
SHEAR BLOCK INSTALLATION



FRAME CORNER DETAIL



#8 X 3/4" SMS
OR
SELF DRILLING
SCREW

SASH CORNER DETAIL

SIGNED: 02/18/2016

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0723.05
Expiration Date March 27, 2019
By *Manuel Pan*
Miami Dade Product Control

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

4000 (LMI SG) ALUMINUM SINGLE HUNG WINDOW
EQUAL LEG AND FLANGE - LMI & SMI
COMPONENTS

DRAWN: V.L.	DWG NO. 08-02104	REV B
SCALE NTS	DATE 06/21/13	SHEET 13 OF 13

