



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

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**NOTICE OF ACCEPTANCE (NOA)**

WinDoor, Inc.  
7500 Amsterdam Drive  
Orlando, FL 32832

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County 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 (SG)" Aluminum Single Hung Window - S.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 08-02217, titled "4000 Aluminum Single Hung Window SGP Equal Leg and Flange - SMI", sheets 1 through 13 of 13, dated 09/05/13, 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: 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# 13-0917.10 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.



*MP*  
3/30/16

NOA No. 15-0723.06  
Expiration Date: March 27, 2019  
Approval Date: April 07, 2016  
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 13-0917.10)*
2. Drawing No. **08-02217**, titled "4000 Aluminum Single Hung Window SGP Equal Leg and Flange - SMI", sheets 1 through 13 of 13, dated 09/05/13, 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) Small 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-210-3883-01**, dated 08/13/13, signed and sealed by Gerald J. Ferrara, P.E.  
*(Submitted under previous NOA No. 13-0917.10)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC-5<sup>th</sup> Edition (2014)**, dated 06/09/15, 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. ~~15-0723.06~~

Expiration Date: March 27, 2019  
Approval Date: April 07, 2016

WinDoor, Inc.

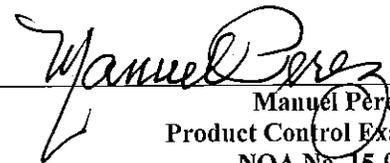
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC-5<sup>th</sup> Edition (2014)**, and of no financial interest, dated June 9, 2015, issued by manufacturer, signed and sealed by Luis R. Lomas, P.E.

**G. OTHERS**

1. Notice of Acceptance No. **13-0917.10**, issued to WinDoor, Inc. for their Series "4000" Aluminum Single Hung Window - S.M.I. approved on 03/27/14 and expiring on 03/27/19.



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 15-0723.06

Expiration Date: March 27, 2019  
Approval Date: April 07, 2016

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

NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 5th EDITION (2014) 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 GLAZING DETAILS.
- APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS. WHEN INSTALLED AT 30.0 FT. OR HIGHER ABOVE GROUND LEVEL
- 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 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 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

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 - 4	ELEVATIONS
5 - 6	CROSS SECTIONS
7 - 11	INSTALLATION DETAILS
12 - 13	COMPONENTS

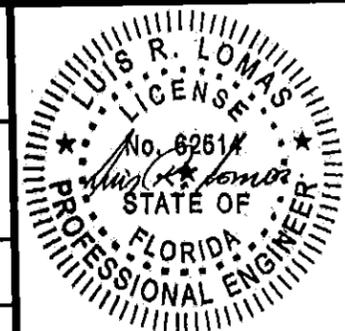
PRODUCT REVISED  
 as complying with the Florida  
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 Acceptance No. 15-0723.06  
 Expiration Date March 27, 2019  
 By *Manuel Torres*  
 Miami Dade Product Control

**WinDoor**  
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 7500 AMSTERDAM DRIVE  
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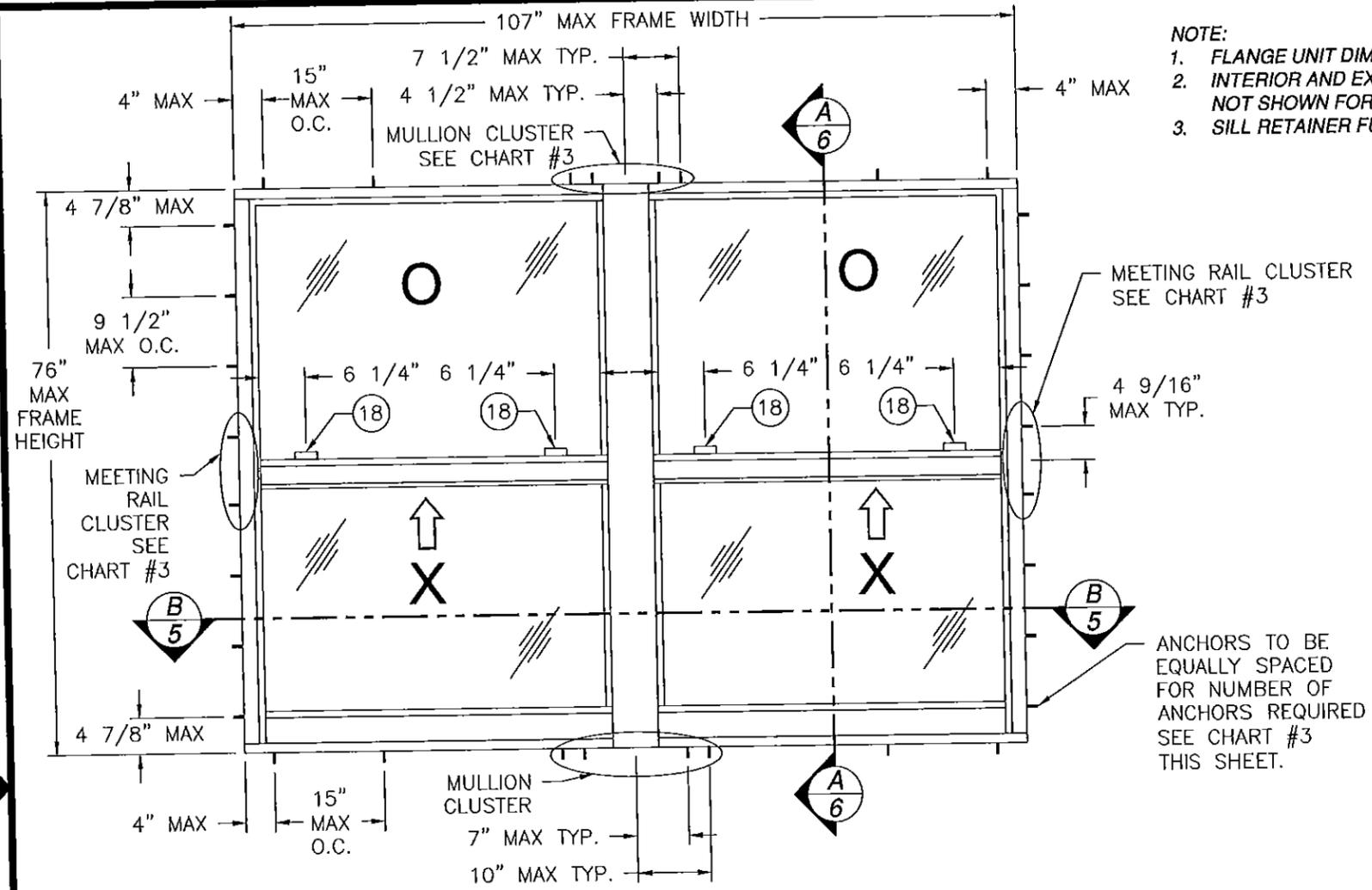
4000 ALUMINUM SINGLE HUNG WINDOW SGP  
 EQUAL LEG AND FLANGE - SMI  
 NOTES

DRAWN:	DWG NO.	REV
N.G.	08-02217	B
SCALE NTS	DATE 09/05/13	SHEET 1 OF 13

SIGNED: 03/03/2016



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



- 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

**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	120.0	118.2	120.0	118.2	120.0	118.2	120.0	118.2	112.3	112.3
36.00	120.0	118.2	120.0	118.2	120.0	118.2	110.4	110.4	96.7	96.7
42.00	120.0	118.2	120.0	118.2	117.1	117.1	98.4	98.4	85.8	85.8
48.00	120.0	118.2	120.0	118.2	107.6	107.6	89.7	89.7	77.8	77.8
54.00	120.0	118.2	120.0	118.2	100.7	100.7	83.2	83.2	71.7	71.7
60.00	120.0	118.2	106.4	106.4	95.2	95.2	78.3	78.3	67.1	67.1
66.00	106.4	106.4	94.0	94.0	84.3	84.3	74.5	74.5	63.5	63.5
72.00	95.2	95.2	83.8	83.8	75.4	75.4	68.5	68.5	60.6	60.6
76.00	89.0	89.0	78.0	78.0	70.2	70.2	64.0	64.0	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	3	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	4
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

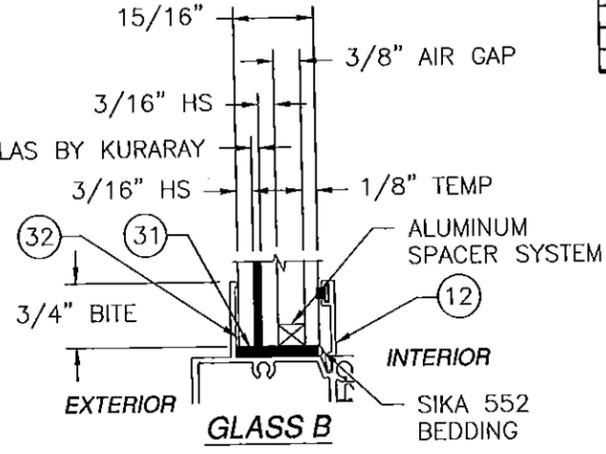
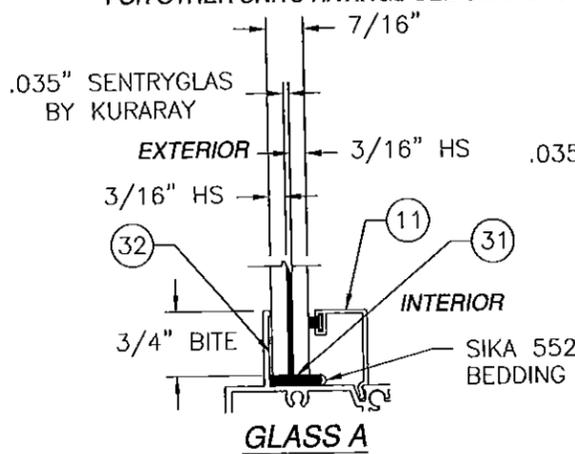
**4000 ALUMINUM SINGLE HUNG TWIN WINDOW**  
EXTERIOR VIEW

FOR METAL AND MASONRY/CONCRETE INSTALLATION	
DESIGN PRESSURE RATING	IMPACT RATING
±85.0PSF	SMALL MISSILE IMPACT

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

FOR WOOD INSTALLATION	
DESIGN PRESSURE RATING	IMPACT RATING
±59.1PSF	SMALL MISSILE IMPACT

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



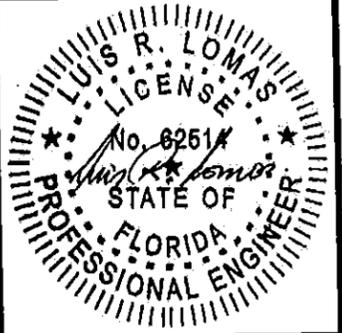
SIGNED: 03/03/2016

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 15-0723.06  
Expiration Date March 21, 2017  
By Manuel Perez  
Miami Dade Product Control

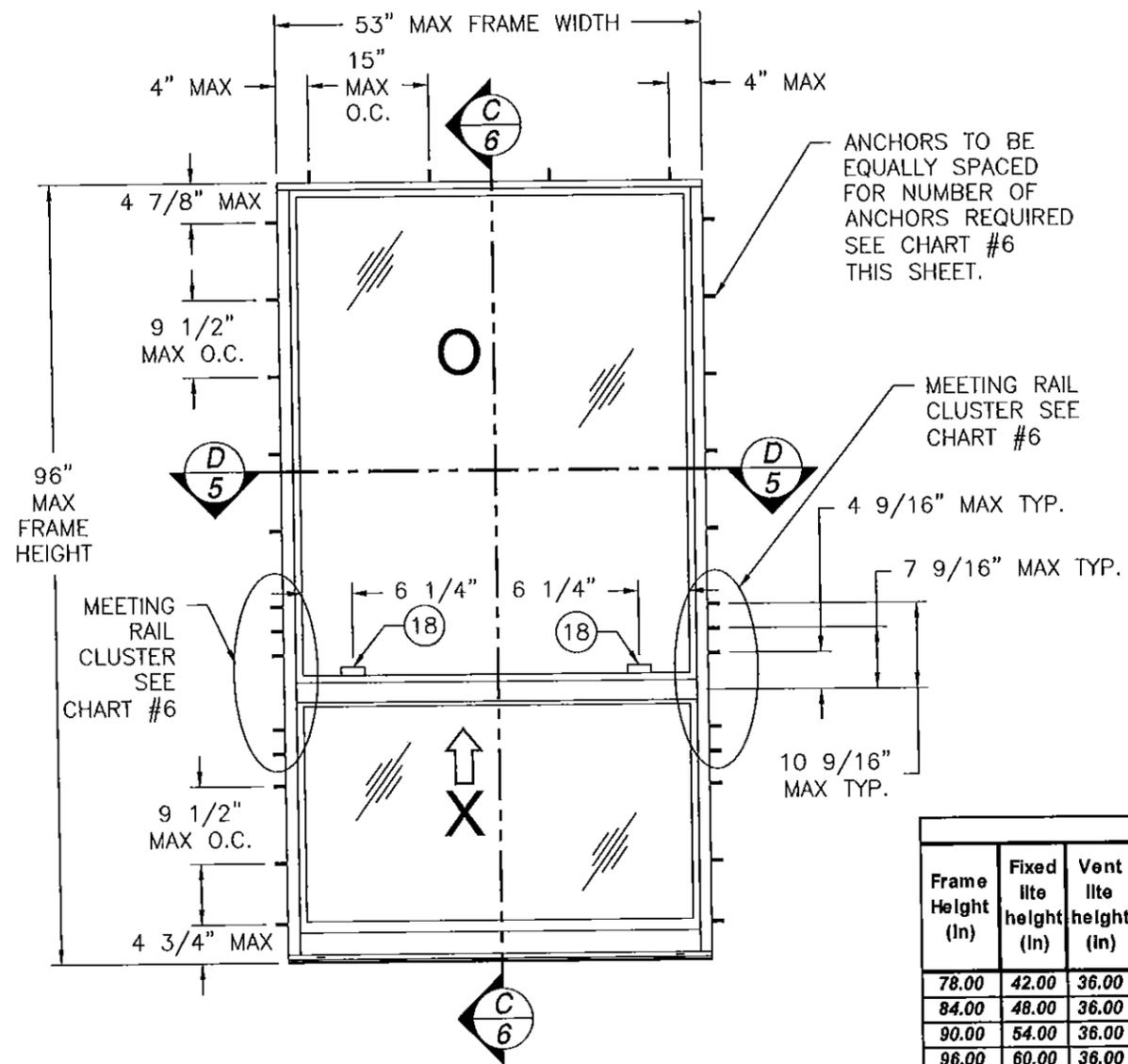
**WinDoor INCORPORATED**  
7500 AMSTERDAM DRIVE  
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www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW SGP  
EQUAL LEG AND FLANGE - SMI  
TWIN ELEVATION & GLAZING DETAILS

DRAWN: N.G.	DWG. NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 2 OF 13



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



**4000 ALUMINUM SINGLE HUNG ORIEL WINDOW**  
EXTERIOR VIEW

**CHART #4**  
FOR METAL AND MASONRY/CONCRETE INSTALLATION

Maximum design pressure capacity chart (psf)										
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	160.0	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**  
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	2	2	2	3	3	3	2	3	3	3	2	4	3	4	3	4	3	4	3	
84.00	48.00	36.00	3	3	2	2	3	3	3	2	3	3	3	2	4	3	4	3	4	3	5	3	
90.00	54.00	36.00	3	3	2	2	3	4	3	2	3	4	3	2	4	4	4	3	4	4	5	3	
96.00	60.00	36.00	3	4	2	2	3	4	3	2	3	5	3	2	4	5	4	3	4	5	5	3	

FOR WOOD, METAL AND MASONRY/CONCRETE INSTALLATION

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

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

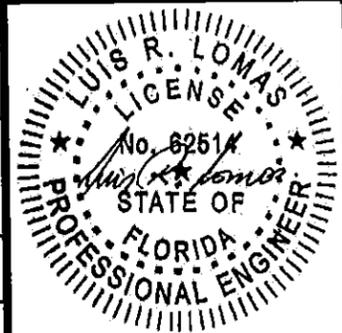
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ORIEL ELEVATION

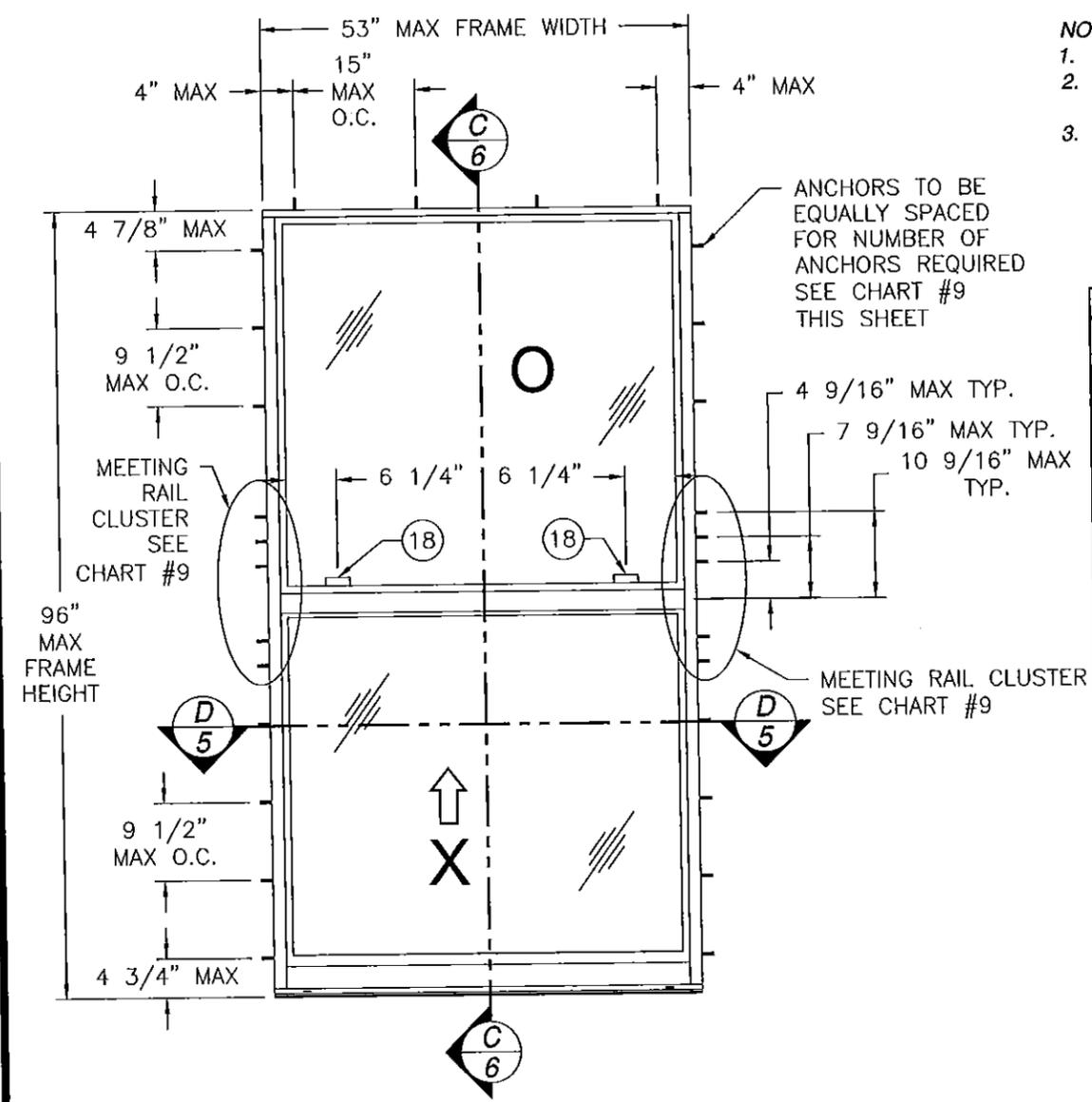
DRAWN: N.G.	DWG NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 3 OF 13

SIGNED: 03/03/2016



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADDED CHARTS	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.



4000 ALUMINUM SINGLE HUNG WINDOW  
EXTERIOR VIEW

CHART #7  
FOR METAL, MASONRY/CONCRETE INSTALLATION

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

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	147.6	120.0	147.6	120.0	147.6	120.0	147.6	120.0	147.6
42.0	120.0	147.6	120.0	147.6	120.0	147.6	120.0	147.6	120.0	147.6
48.0	120.0	147.6	120.0	147.6	120.0	147.6	120.0	147.6	120.0	143.8
54.0	120.0	147.6	120.0	147.6	120.0	147.1	120.0	141.6	120.0	139.9
60.0	120.0	147.6	120.0	147.6	120.0	138.3	120.0	131.1	120.0	127.6
66.0	120.0	147.6	120.0	144.2	120.0	131.8	120.0	123.6	119.0	119.0
72.0	120.0	147.6	120.0	139.8	120.0	126.9	118.0	118.0	112.7	112.7
78.0	120.0	147.6	120.0	136.3	120.0	123.0	113.6	113.6	107.9	107.9
84.0	120.0	147.6	120.0	133.5	119.9	119.9	110.1	110.1	104.1	104.1
90.0	120.0	147.6	120.0	131.1	117.3	117.3	107.3	107.3	101.0	101.0
96.0	120.0	147.6	120.0	129.1	115.1	115.1	104.9	104.9	98.4	98.4

CHART #9

Frame 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
36.00	3	1	2	1	3	1	2	1	4	1	2	1	4	1	2	2	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
76.00	3	2	2	2	3	2	3	2	4	2	4	3	4	2	4	3	4	2	5	3
80.00	3	2	3	2	3	3	3	2	4	3	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
88.00	3	3	3	2	3	3	3	2	4	3	4	3	4	3	4	3	4	3	5	3
92.00	3	3	3	3	3	3	3	3	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

FOR METAL AND MASONRY/CONCRETE INSTALLATION

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

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

PRODUCT REVISED as complying with the Florida Building Code  
Acceptance No. 15-0723.06  
Expiration Date March 27, 2019  
By *Manuel Perez*  
Miami Dade Product Control

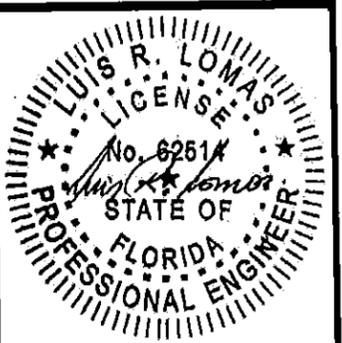
**WinDoor** INCORPORATED  
7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW SGP  
EQUAL LEG AND FLANGE - SMI  
EQUAL LEG ELEVATION

DRAWN: N.G. DWG NO. 08-02217 REV B

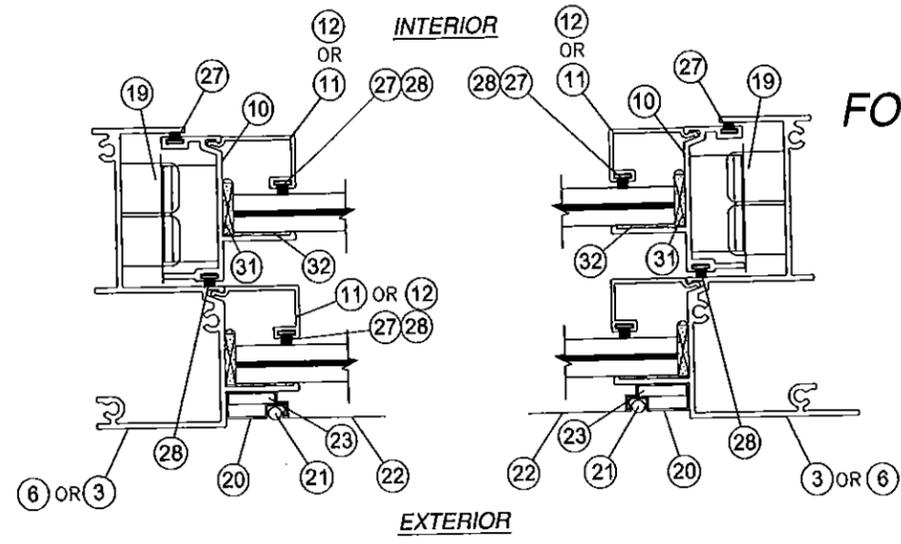
SCALE NTS DATE 09/05/13 SHEET 4 OF 13

SIGNED: 03/03/2016

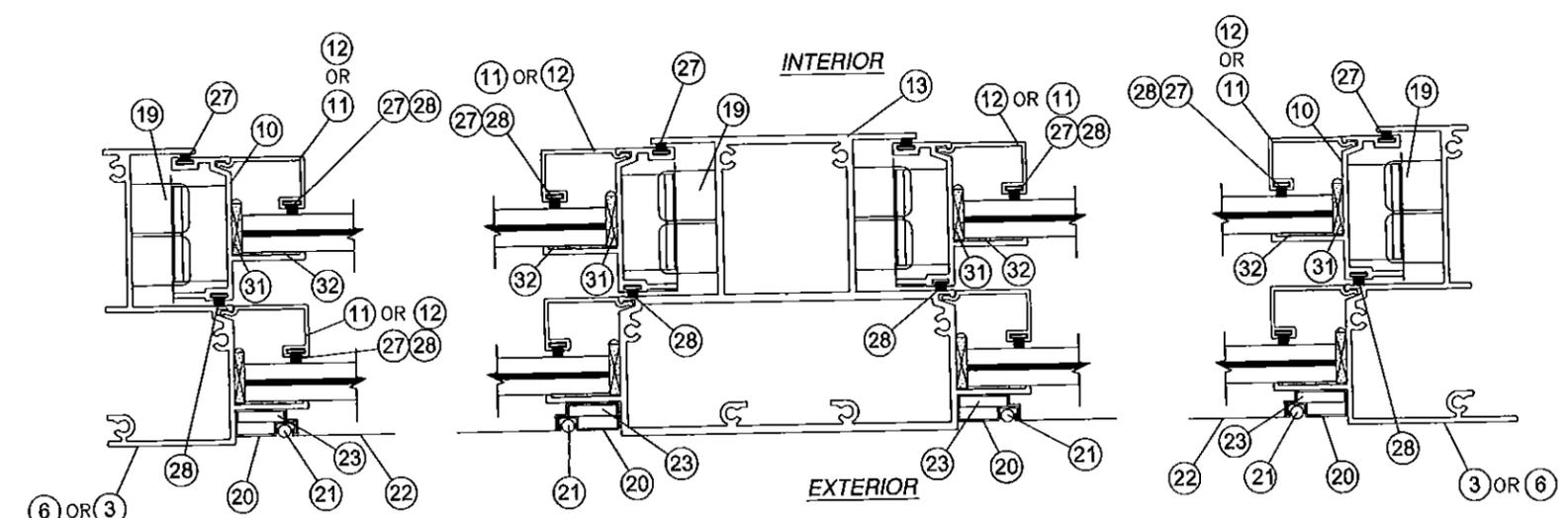


PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	FS-06612	FRAME HEAD EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
2	FS-06613	FRAME SILL EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
3	FS-06614	FRAME JAMB EQUAL LEG	KEYMARK	ALUMINUM 6063-T6
4	FS-06661	FRAME HEAD FLANGE	KEYMARK	ALUMINUM 6063-T6
5	FS-06662	FRAME SILL FLANGE	KEYMARK	ALUMINUM 6063-T6
6	FS-06663	FRAME JAMB FLANGE	KEYMARK	ALUMINUM 6063-T6
7	FH-06615	FIXED MEETING RAIL	KEYMARK	ALUMINUM 6063-T6
8	FH-06616	MEETING RAIL	KEYMARK	ALUMINUM 6063-T6
9	FH-06617	LIFT RAIL	KEYMARK	ALUMINUM 6063-T6
10	FS-06618	SASH JAMB	KEYMARK	ALUMINUM 6063-T6
11	FS-06667	7/16" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
12	FS-06619	1" GLASS STOP	KEYMARK	ALUMINUM 6063-T6
13	FH-06668	VERTICAL IMPOST	KEYMARK	ALUMINUM 6063-T6
14	FS-04501	HEAD RECESS COVER	KEYMARK	ALUMINUM 6063-T6
15	FE-5031	SILL SNAP LOCK	KEYMARK	ALUMINUM 6063-T6
16	FS-06671	HEAD FILLER	KEYMARK	ALUMINUM 6063-T6
17	FS-06664	SILL RETAINER	KEYMARK	ALUMINUM 6063-T6
18	H4000-BL-SL202	SASH LOCK	WINDOOR	
19		BLOCK AND TACKLE BALANCE	WINDOOR	
20	S4000-XX-150	SCREEN HEAD, JAMB AND SILL	WINDOOR	ALUMINUM 6063-T6
21	S10010-BL-2200R	SCREEN SPLINE	WINDOOR	
22	SBV-XX-0600Z	SCREEN CLOTH	WINDOOR	
23	54080-ML-FB11	SCREEN CORNER KEY	WINDOOR	ALUMINUM 6063-T6
24	122003	.187X.350 FINSEAL	ULTRAFAB	
25	W4000-BL-20218	.187X.300 WEATHERSTRIP	FRANK LOWE	PROLON
26	W4000-BL-SCE42	1.300X1.750X.375 CLOSED CELL PAD	TEAM PLASTICS	FOAM
27	122001	.187X.220 FINSEAL	ULTRAFAB	
28	122002	.187X.240 FINSEAL	ULTRAFAB	
29	131096	#6X3/4" SWEEP ATTACHMENT SCREW		STAINLESS STEEL
30	131014	#8X1" RAIL ATTACHMENT SCREW		STAINLESS STEEL
31	121104	SETTING BLOCK	FRANK LOWE	85 DURO SHORE A
32	C4000-91-351AX	PURFECT GLAZE HOT MELT COMPOUND	HENKEL AMERICAS	
33	FS-07419	FRAME EQUAL LEG W/ CHANNEL	KEYMARK	ALUMINUM 6063-T6
34	FS-07418	FRAME FLANGE W/ CHANNEL	KEYMARK	ALUMINUM 6063-T6
35	FH-06670	SHEAR BLOCK	KEYMARK	ALUMINUM 6063-T6
36	FS-07492	REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6
37	FS-07493	REINFORCEMENT	KEYMARK	ALUMINUM 6005-T6

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



**D** HORIZONTAL CROSS SECTION  
SINGLE UNIT



**B** HORIZONTAL POST CROSS SECTION  
TWIN UNIT

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

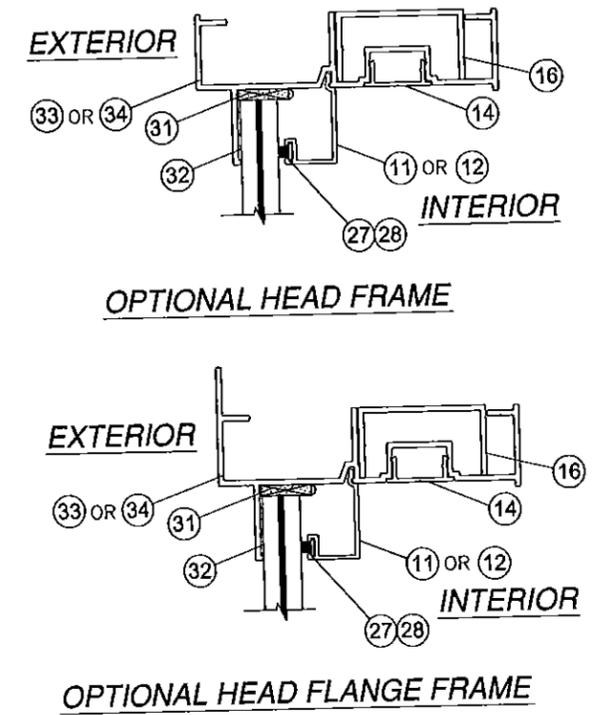
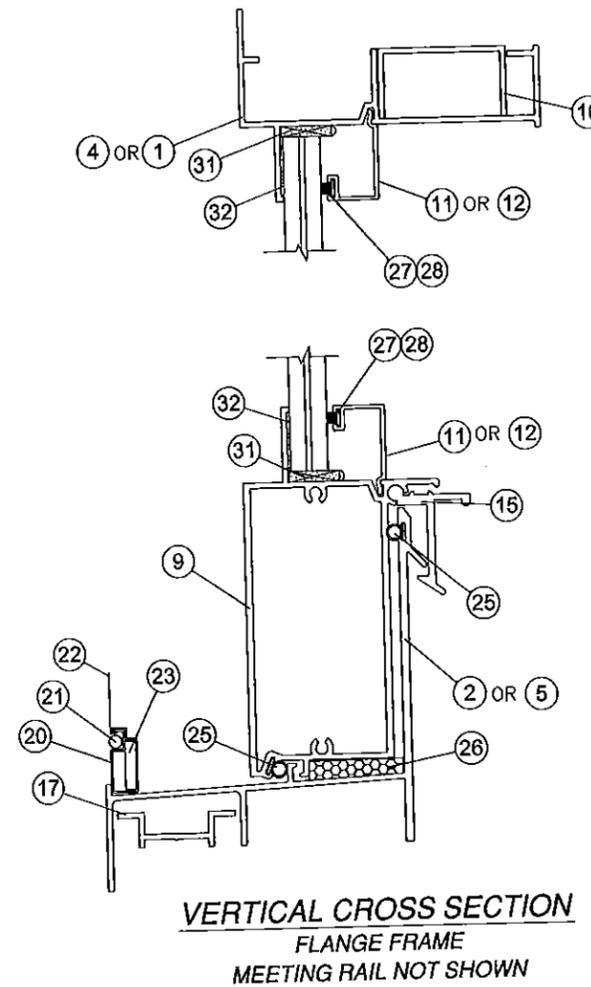
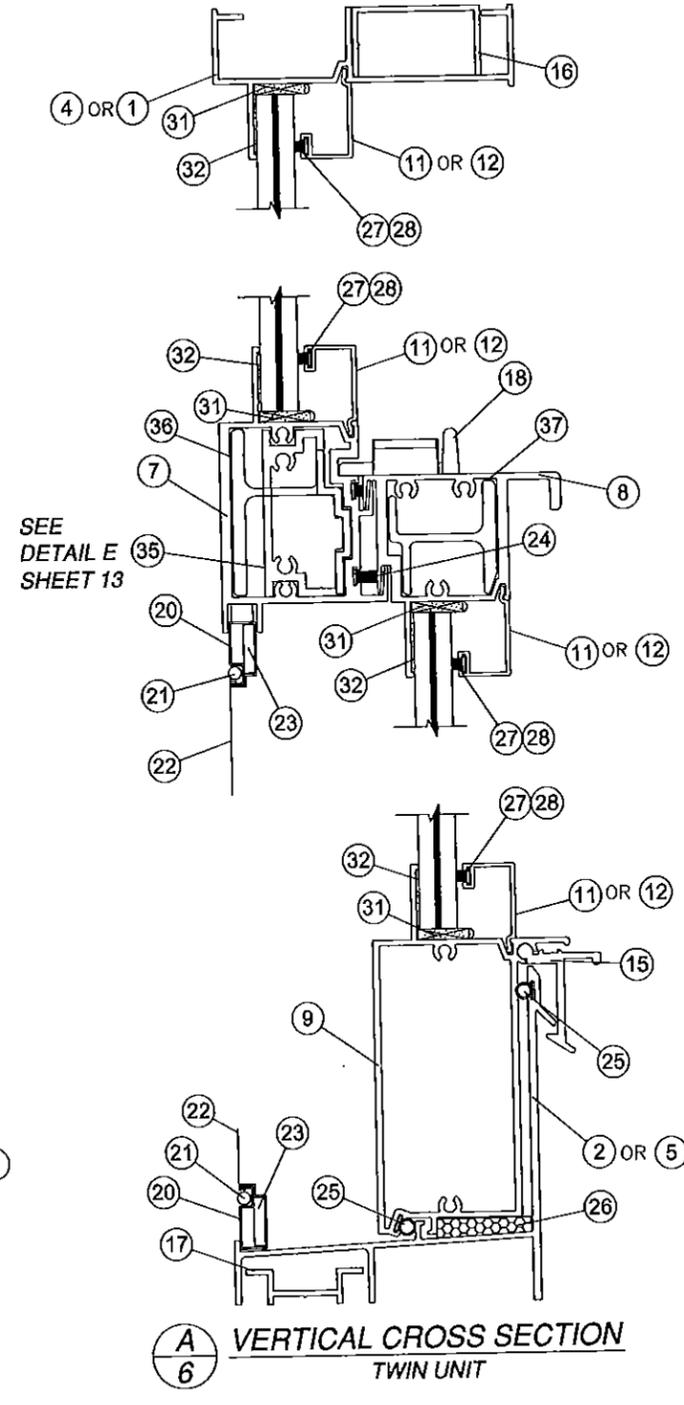
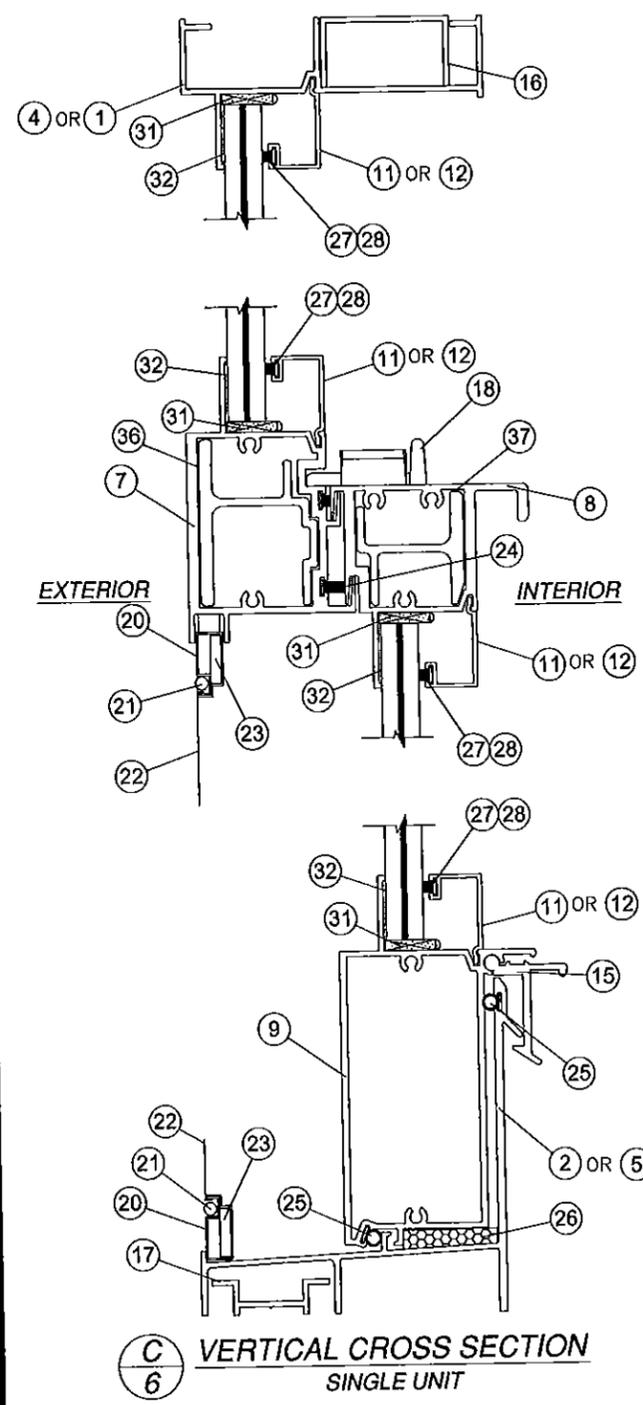
SIGNED: 03/03/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <b>15-0723.06</b> Expiration Date <b>March 21, 2019</b> By <i>Manuel Lopez</i> Miami Dade Product Control	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 ALUMINUM SINGLE HUNG WINDOW SGP EQUAL LEG AND FLANGE - SMI B.O.M. & CROSS SECTIONS	
DRAWN: N.G. SCALE NTS	DWG NO. 08-02217 DATE 09/05/13	REV B SHEET 5 OF 13

REVISIONS

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

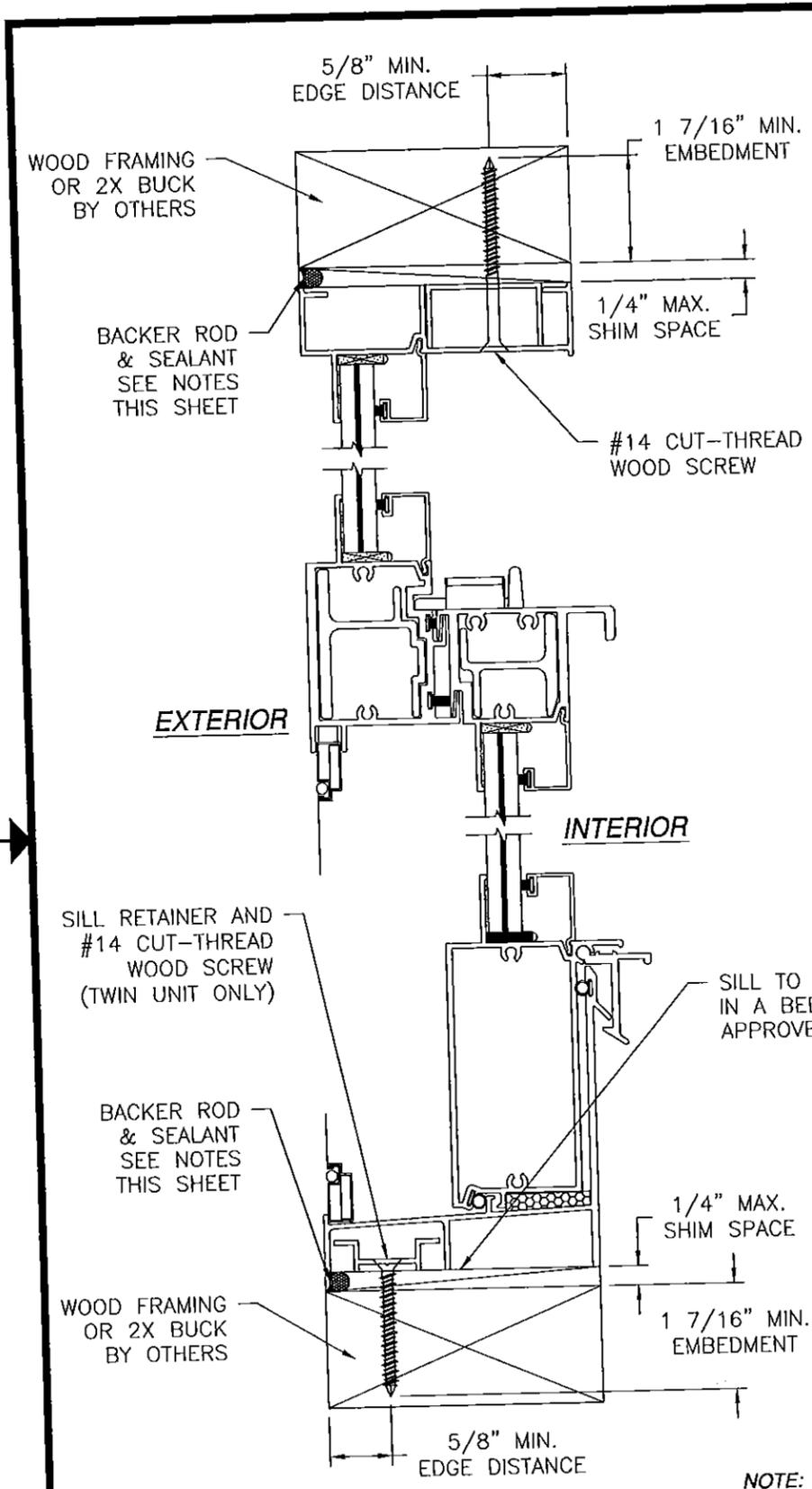
FOR ILLUSTRATION PURPOSES ONLY  
FOR INSTALLATION DETAILS REFER TO SHEETS 7 - 11



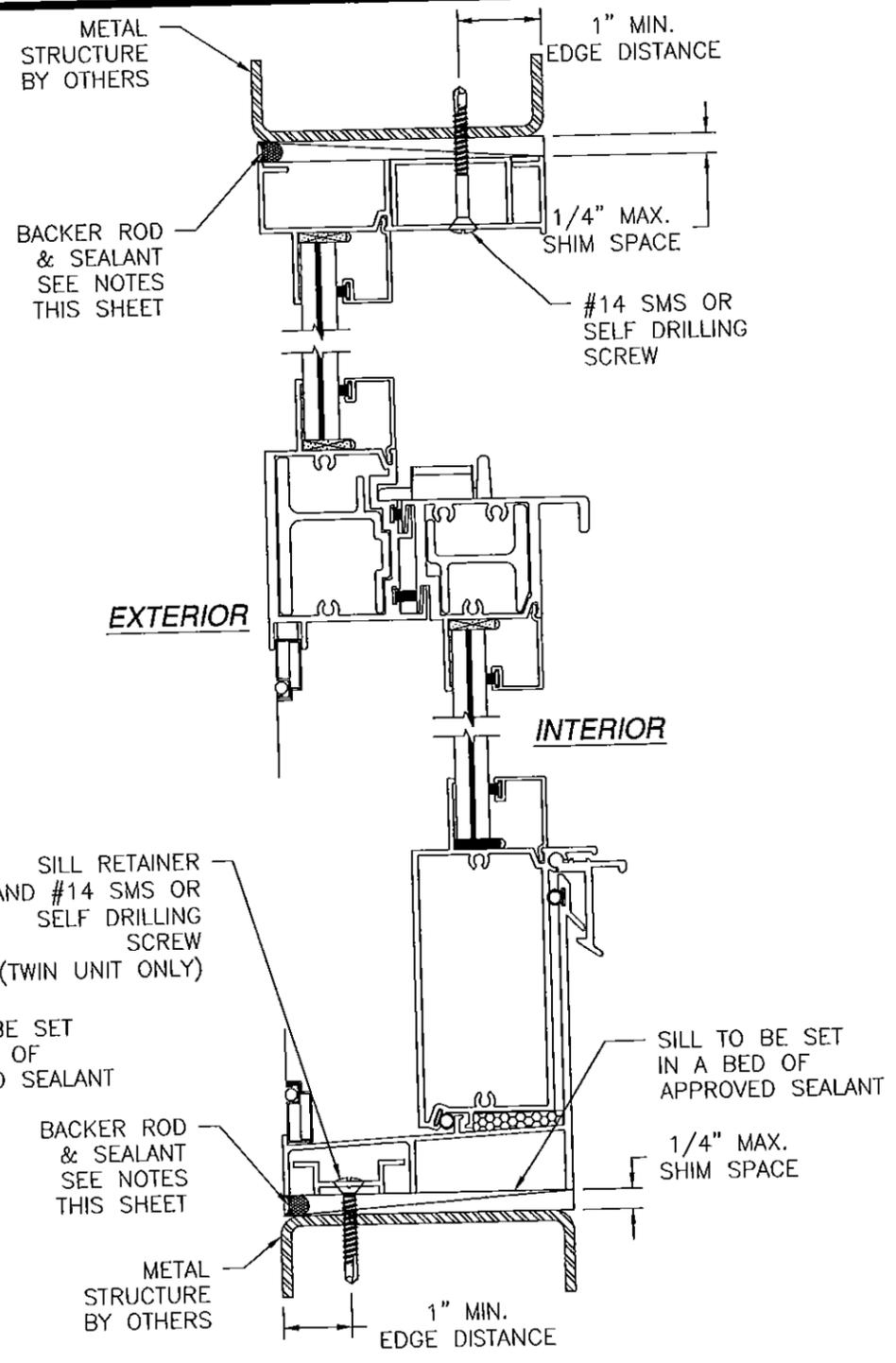
SIGNED: 03/03/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <b>15-0723.06</b> Expiration Date <b>March 27, 2019</b> By <i>Manuel Pina</i> Miami Dade Product Control	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 ALUMINUM SINGLE HUNG WINDOW SGP EQUAL LEG AND FLANGE - SMI B.O.M. & CROSS SECTIONS	
DRAWN: N.G.	DWG NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 6 OF 13

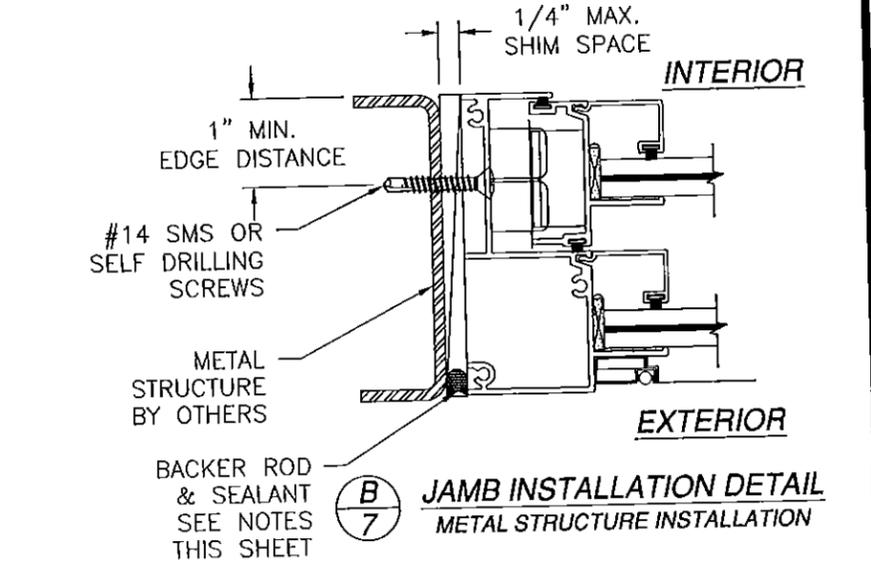
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADDED CHARTS	07/13/15	R.L.



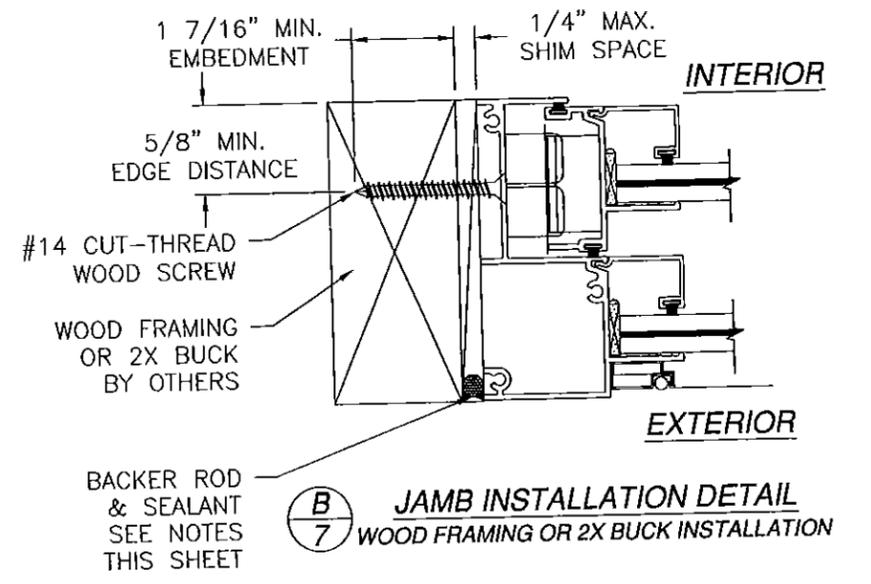
**A**  
**7** VERTICAL CROSS SECTION  
WOOD FRAMING OR 2X BUCK INSTALLATION



**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

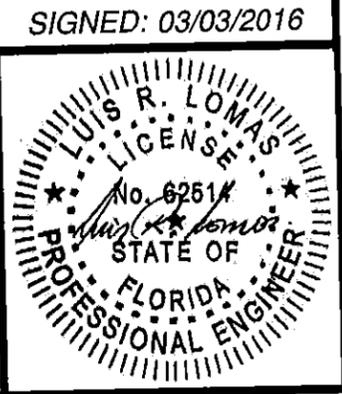
- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
  3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.06 Expiration Date March 27, 2019  
By *Manuel Perez*  
Miami Dade Product Control

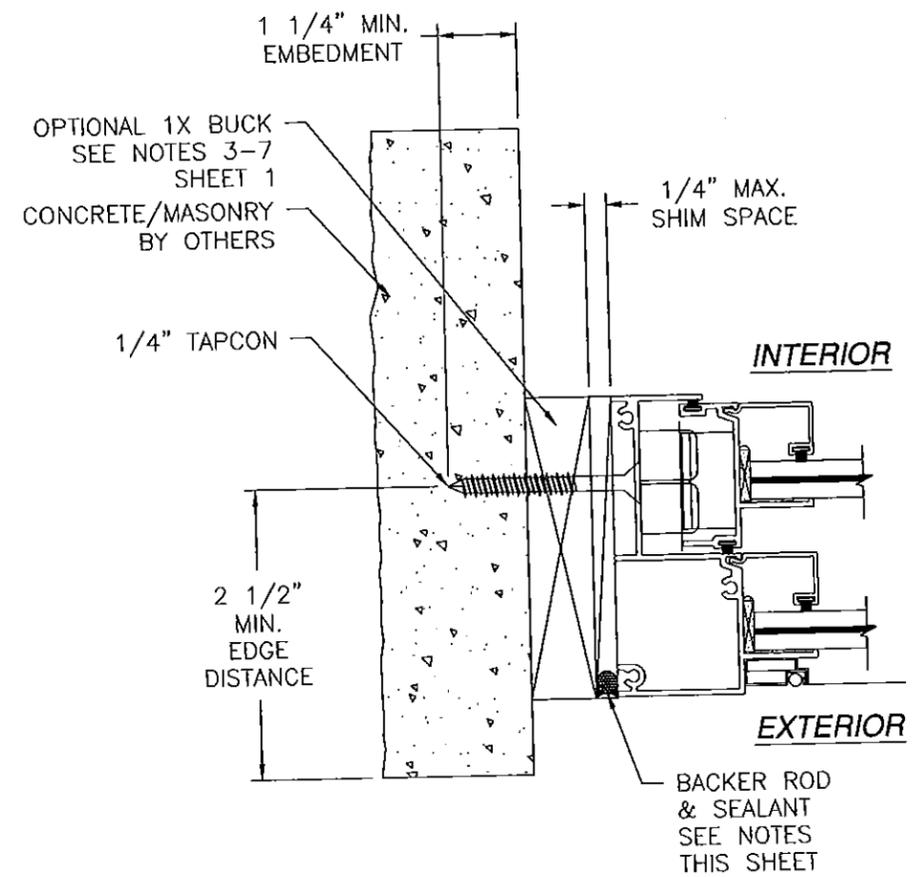
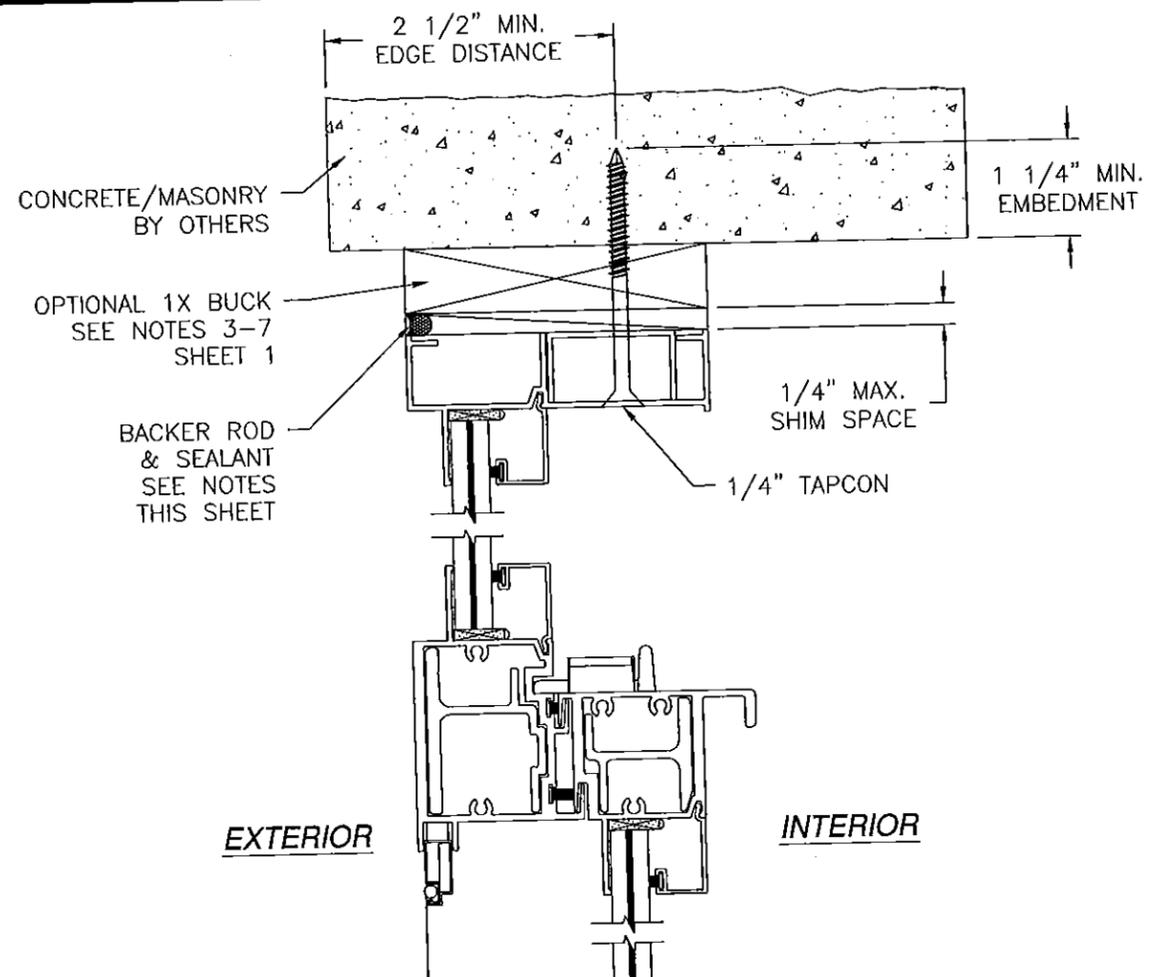
**WinDoor** INCORPORATED  
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ORLANDO, FL 32832  
Phone: 407.481.8400  
Fax: 407.481.0505  
www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW SGP  
EQUAL LEG AND FLANGE - SMI  
FLUSH INSTALLATION DETAILS

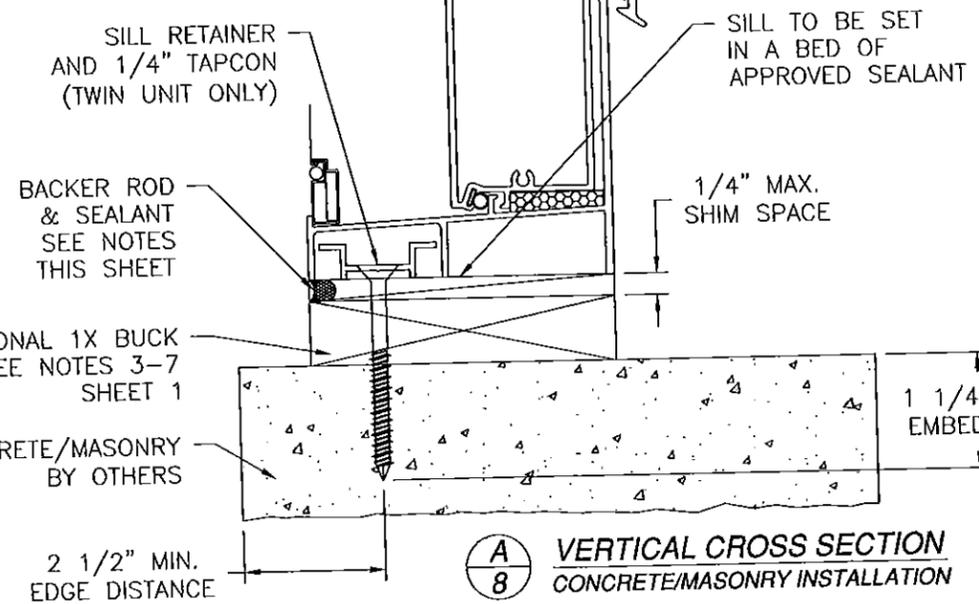
DRAWN: N.G. DWG NO. 08-02217 REV B  
SCALE NTS DATE 09/05/13 SHEET 7 OF 13



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



**B**  
**8** JAMB INSTALLATION DETAIL  
CONCRETE/MASONRY INSTALLATION

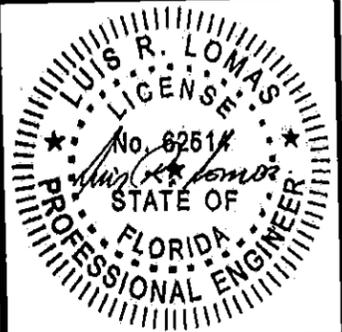


**A**  
**8** VERTICAL CROSS SECTION  
CONCRETE/MASONRY INSTALLATION

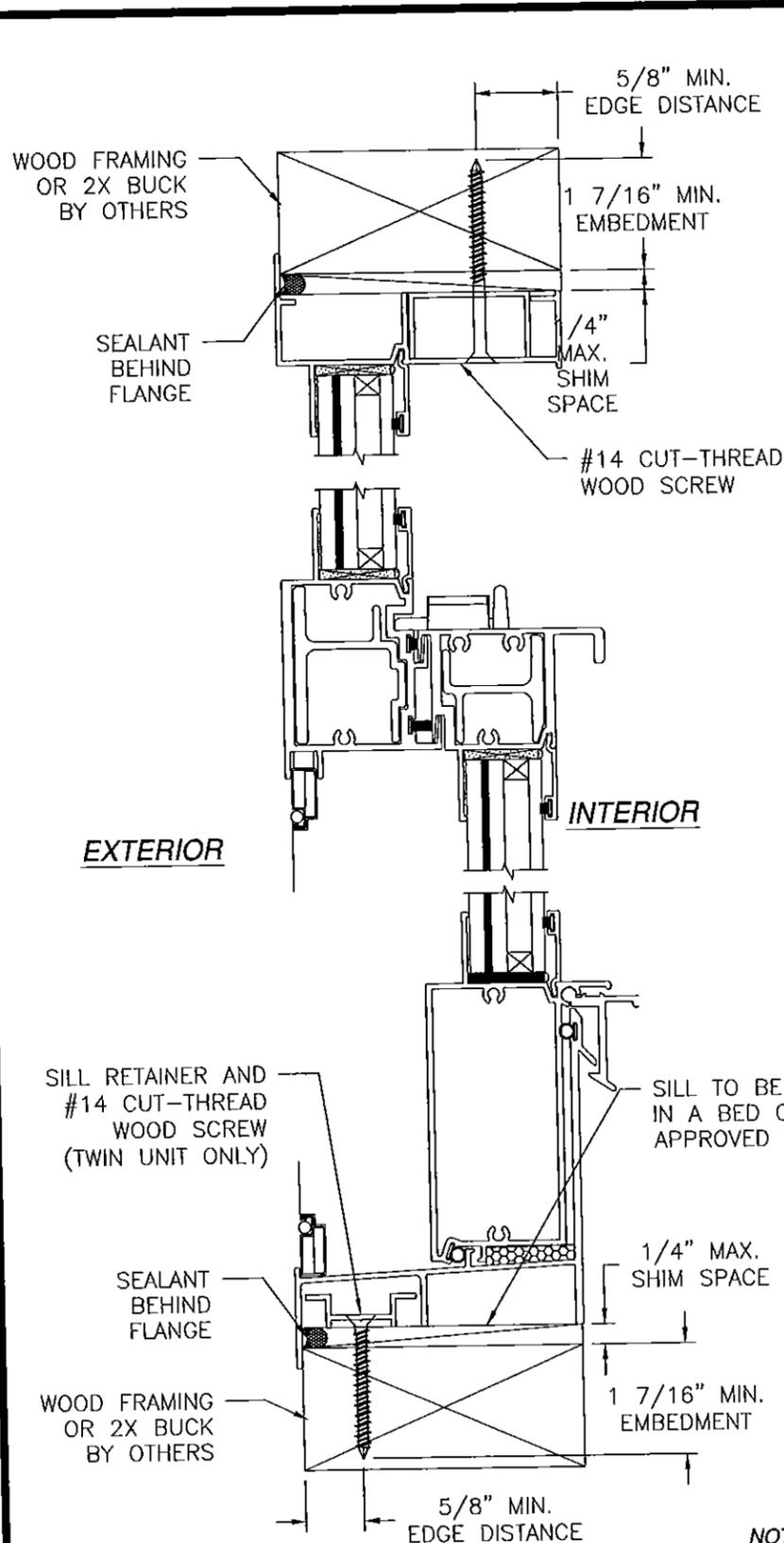
- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
  3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

SIGNED: 03/03/2016

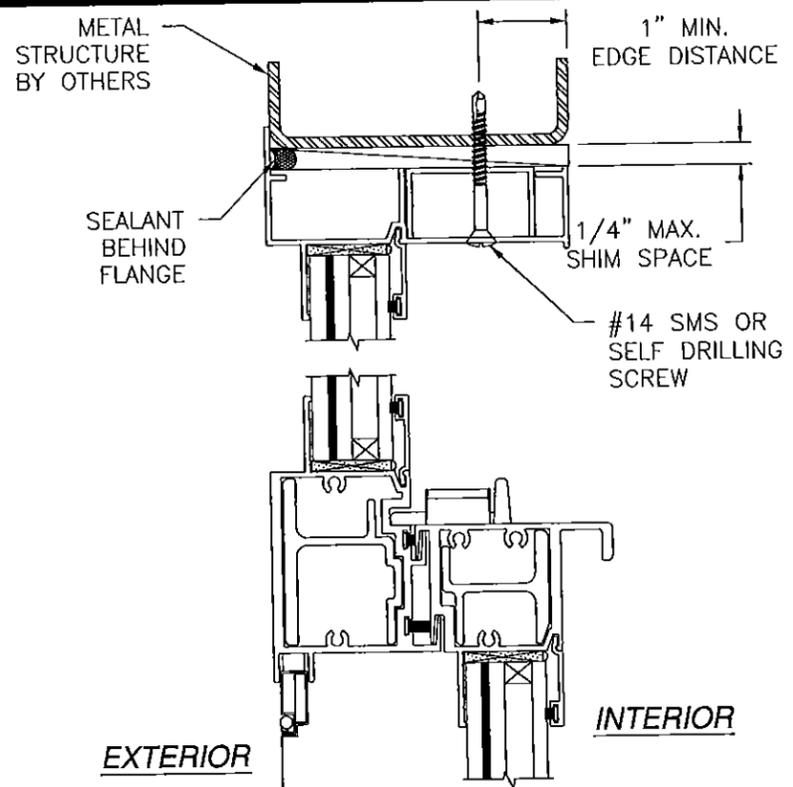
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <b>15-0723.06</b> Expiration Date <b>March 27, 2019</b> By <i>Manuel Perez</i> Miami Dade Product Control	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 ALUMINUM SINGLE HUNG WINDOW SGP EQUAL LEG AND FLANGE - SMI FLUSH INSTALLATION DETAILS	
DRAWN: N.G.	DWG NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 8 OF 13



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

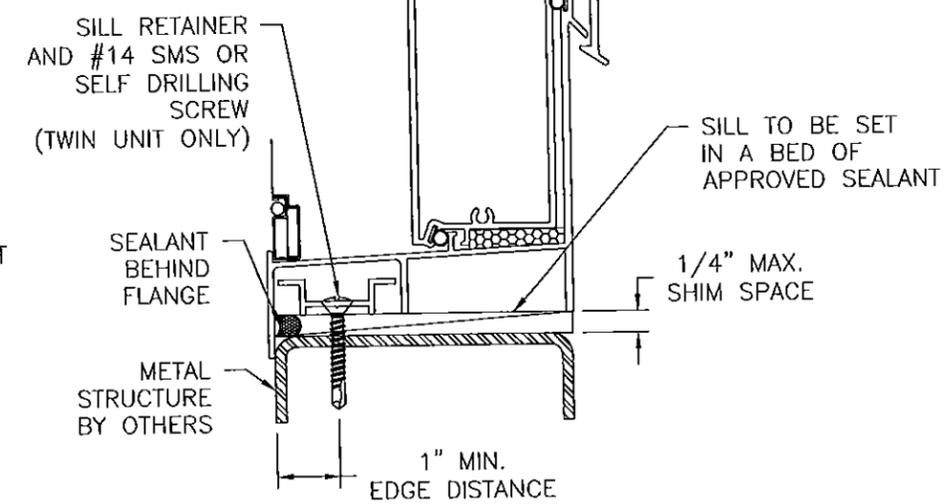


**A**  
**9** VERTICAL CROSS SECTION  
WOOD FRAMING OR 2X BUCK INSTALLATION

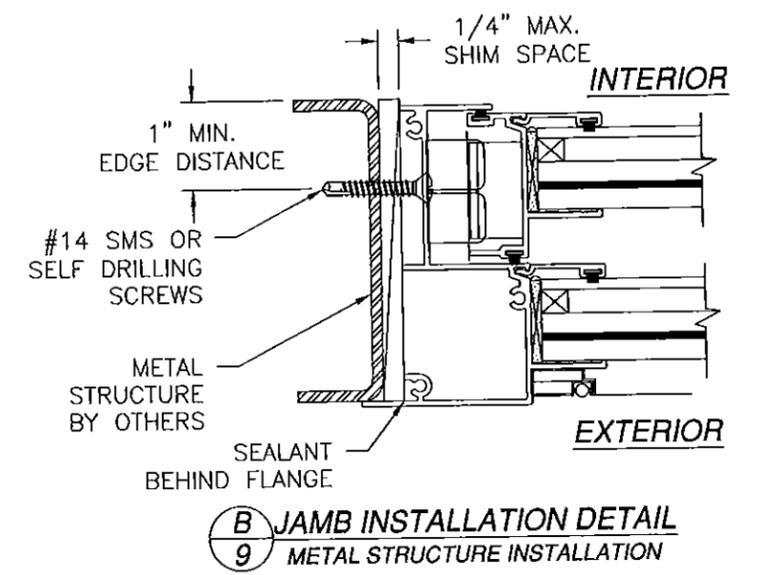


**A**  
**9** VERTICAL CROSS SECTION  
METAL STRUCTURE INSTALLATION

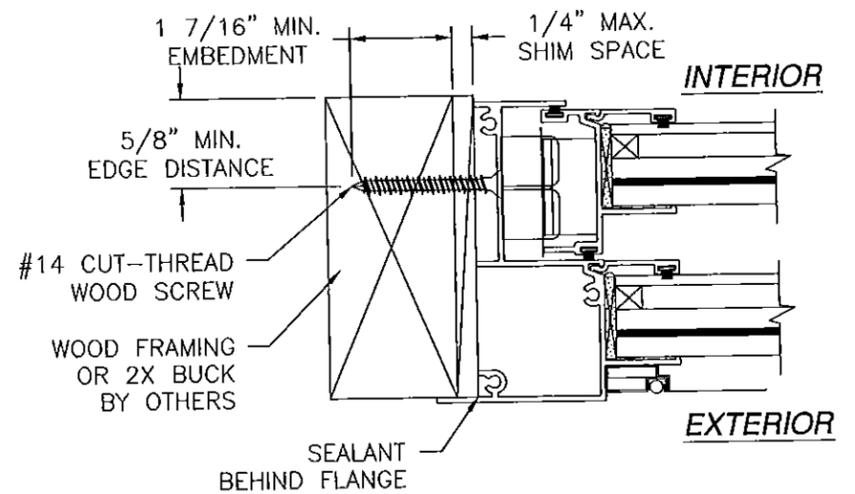
- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
  3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.



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



**B**  
**9** JAMB INSTALLATION DETAIL  
METAL STRUCTURE INSTALLATION



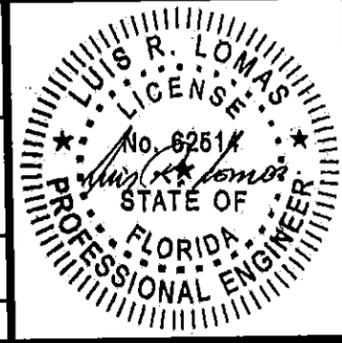
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EQUAL LEG AND FLANGE - SMI  
FLANGE INSTALLATION DETAILS

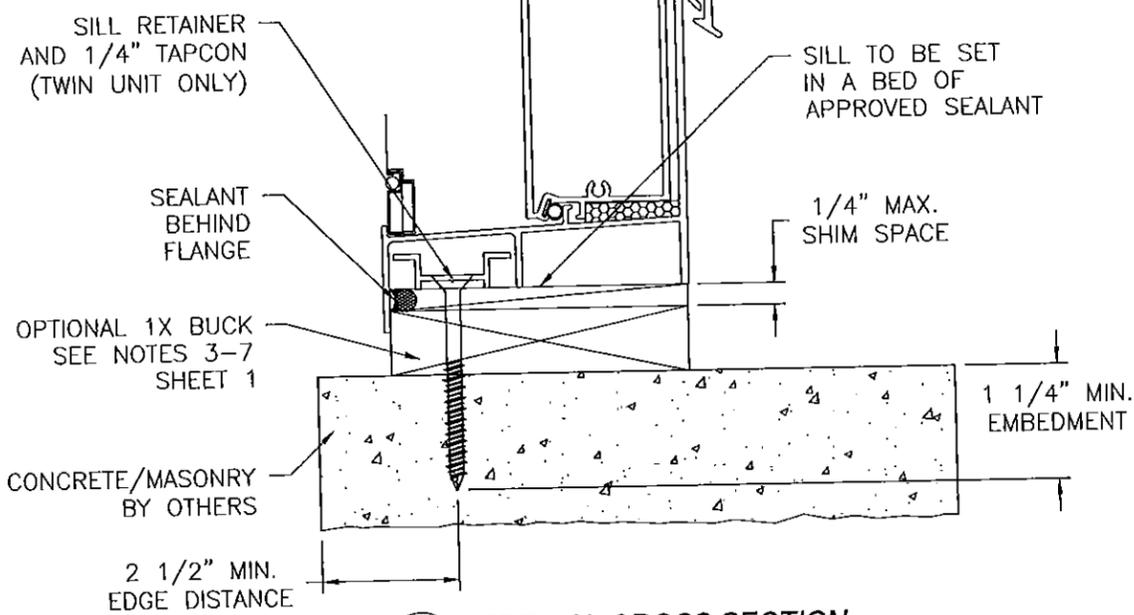
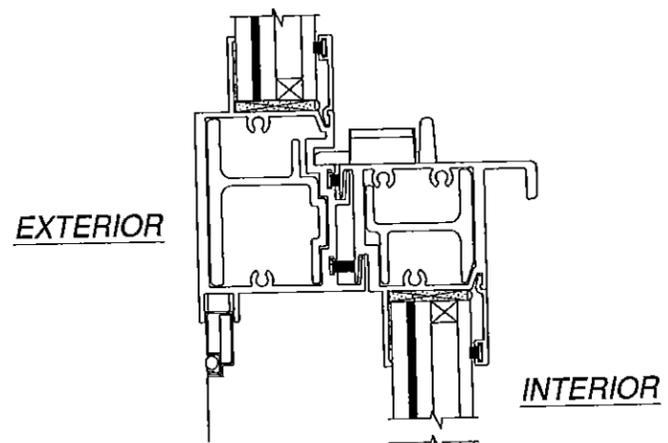
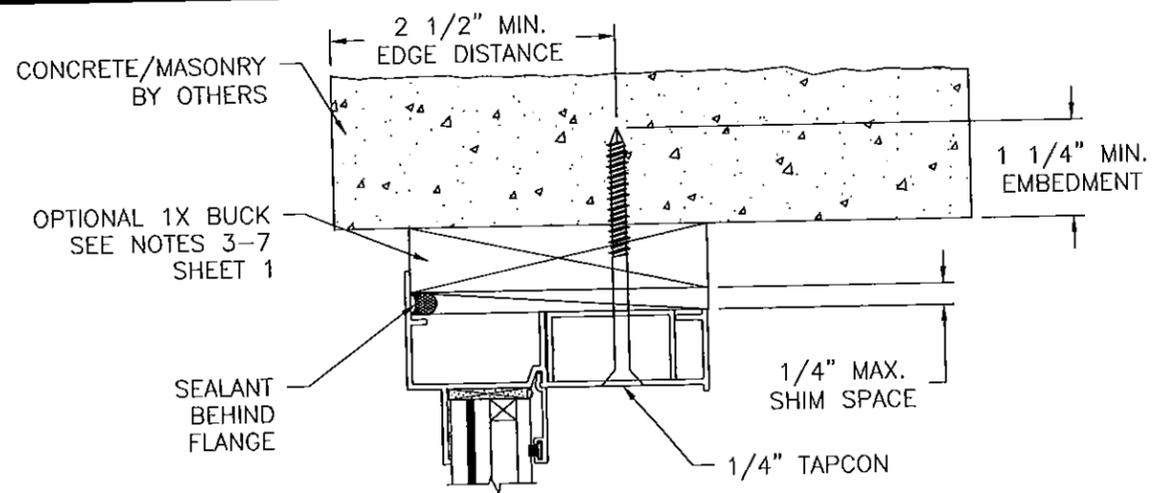
DRAWN: N.G.	DWG. NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 9 OF 13

SIGNED: 03/03/2016

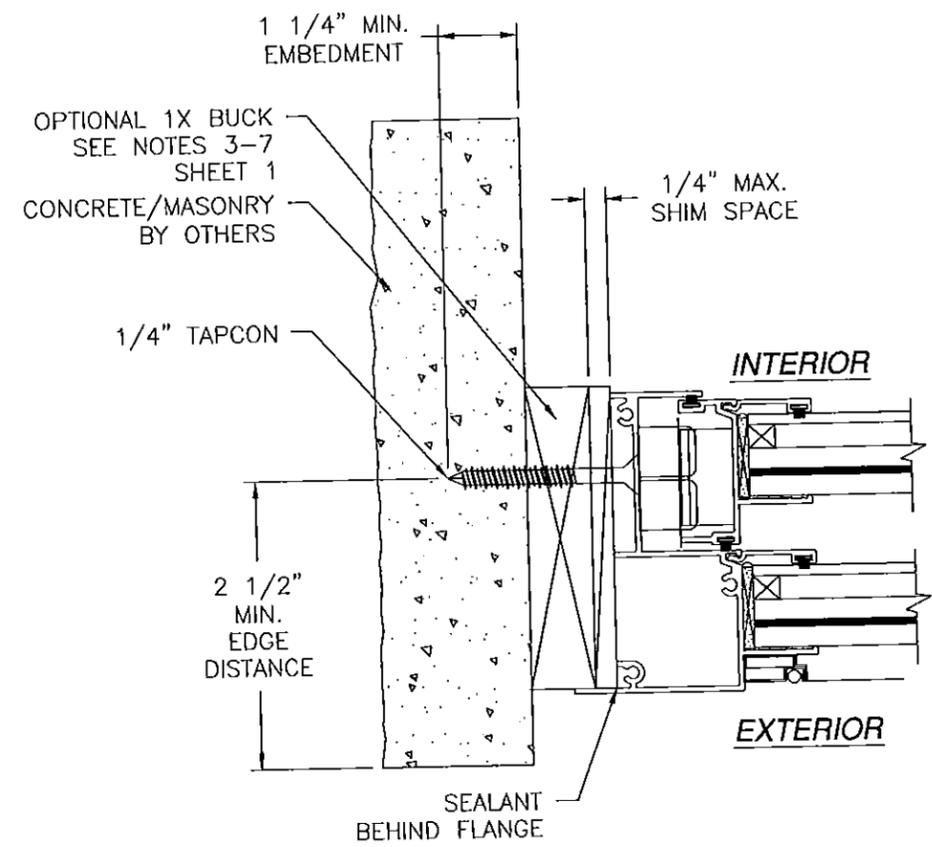


PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0723.06  
Expiration Date March 27, 2019  
By *Manuel Perez*  
Miami Dade Product Control

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



**A** VERTICAL CROSS SECTION  
10 CONCRETE/MASONRY INSTALLATION



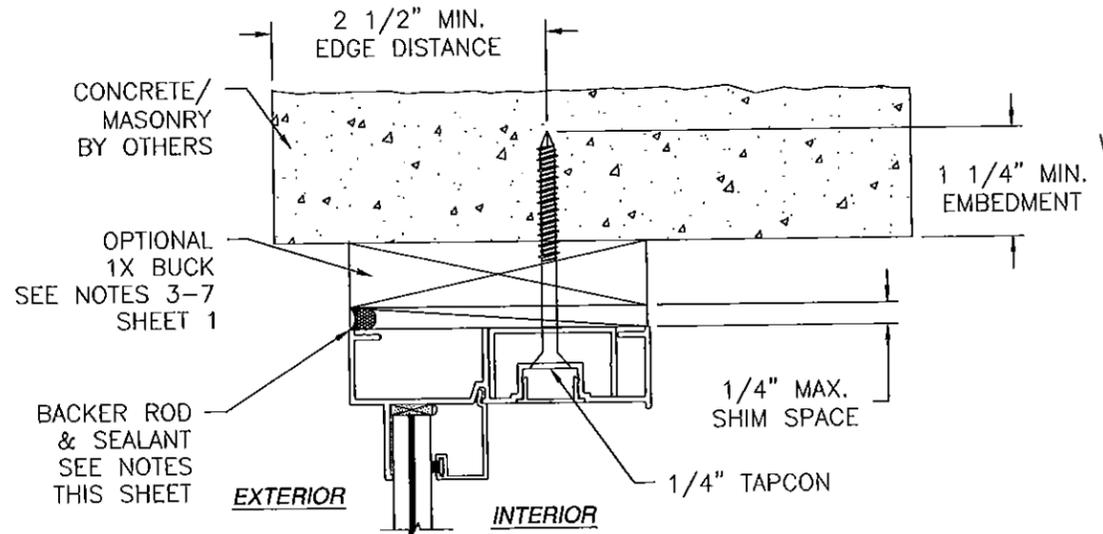
**B** JAMB INSTALLATION DETAIL  
10 CONCRETE/MASONRY INSTALLATION

- 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.

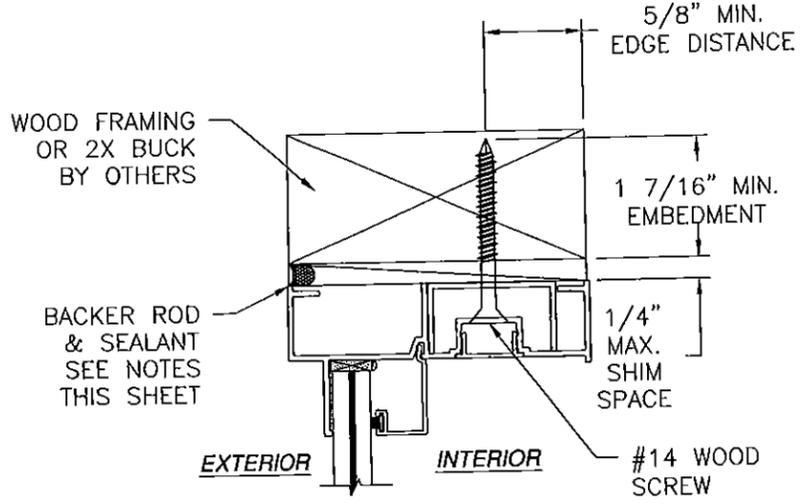
SIGNED: 03/03/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <b>15-0723.06</b> Expiration Date <b>March 21, 2019</b> By: <i>Manuel Jara</i> Miami/Dade Product Control	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windowinc.com	
	4000 ALUMINUM SINGLE HUNG WINDOW SGP EQUAL LEG AND FLANGE - SMI FLANGE INSTALLATION DETAILS	
DRAWN: N.G.	DWG NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 10 OF 13

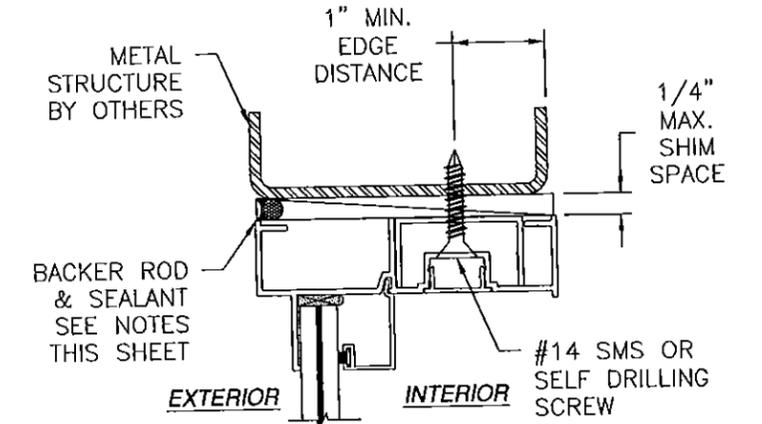
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADDED CHARTS	07/13/15	R.L.



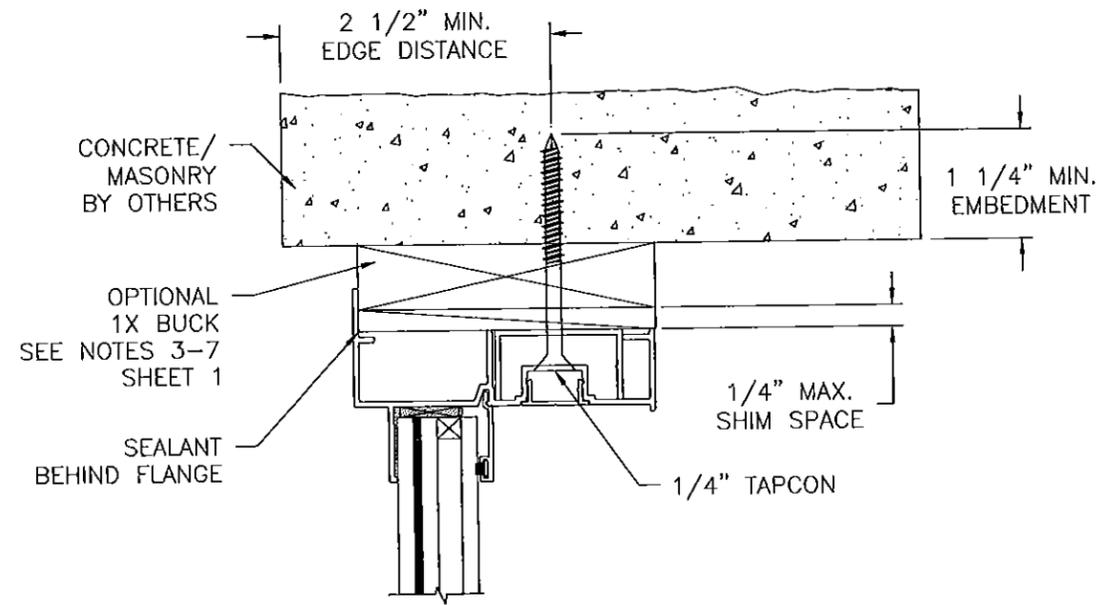
**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



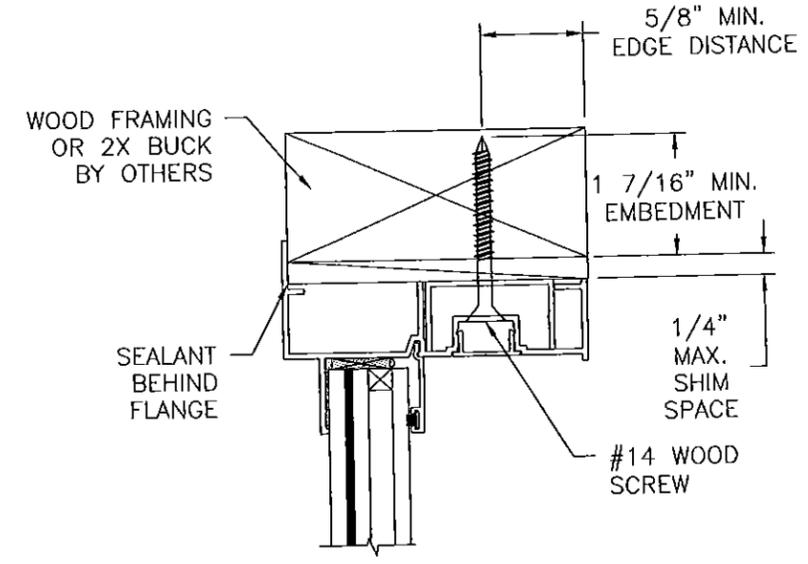
**VERTICAL CROSS SECTION**  
WOOD FRAMING OR 2X BUCK INSTALLATION



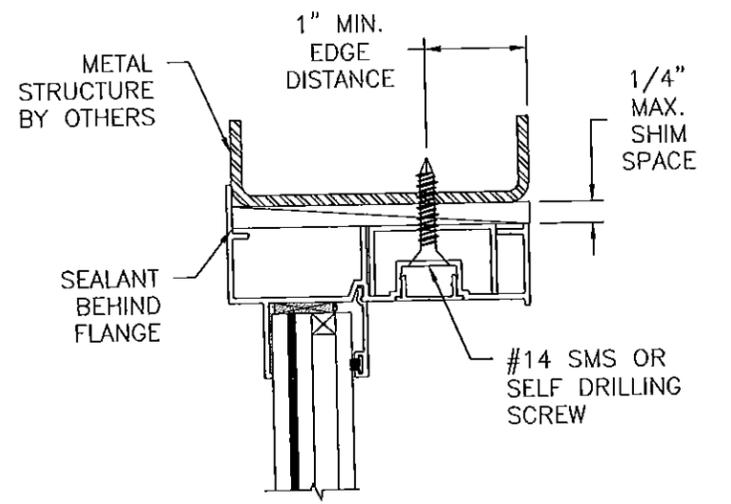
**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION



**VERTICAL CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION



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



**VERTICAL CROSS SECTION**  
METAL STRUCTURE INSTALLATION

SIGNED: 03/03/2016

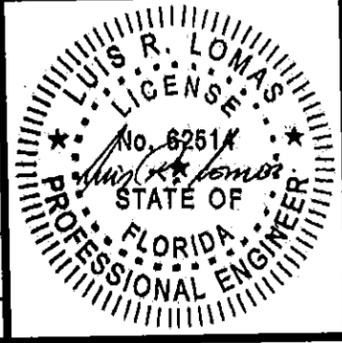
- NOTE:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112.
  3. PERIMETER TO BE SEALED WITH APPROVED SILICONE.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0123.06 Expiration Date March 27, 2019  
By *Manuel Perez*  
Miami Dade Product Control

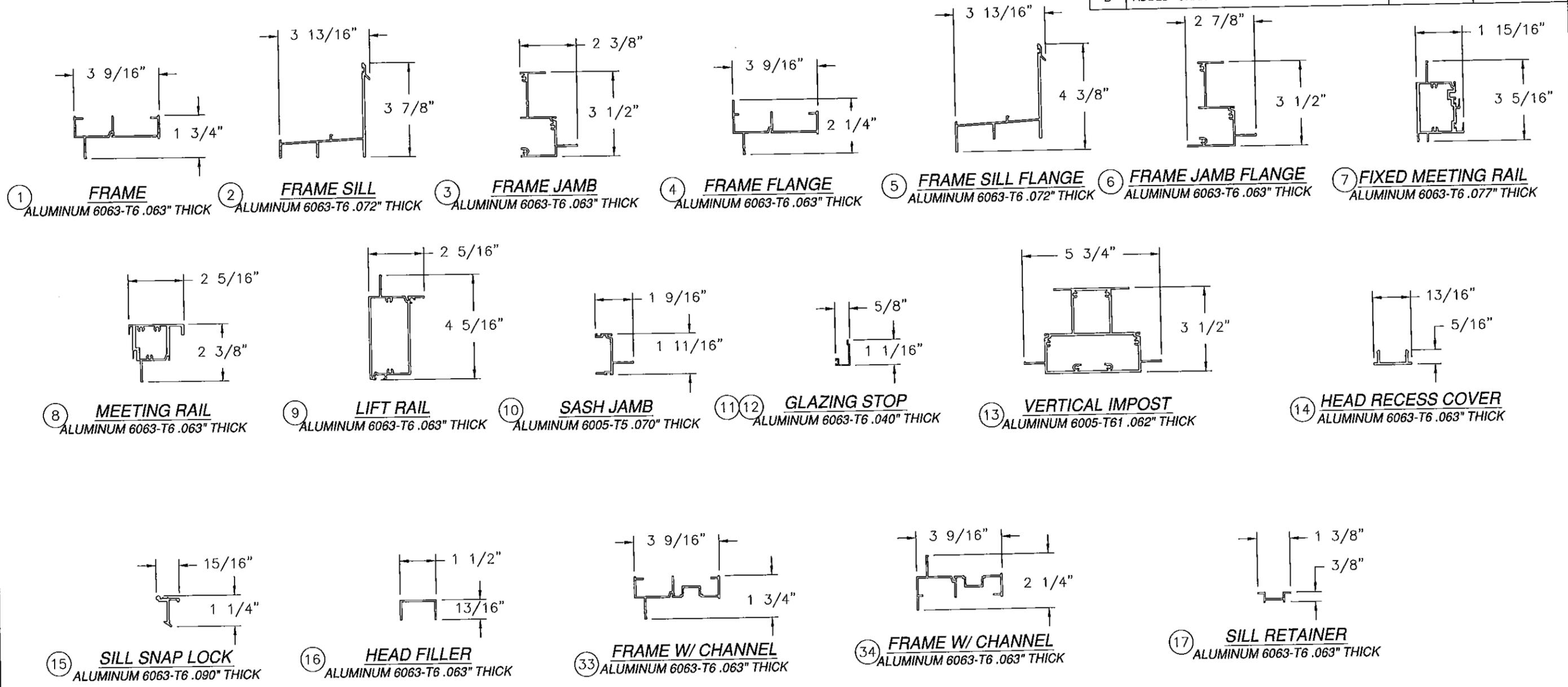
**WinDoor** INCORPORATED  
7500 AMSTERDAM DRIVE  
ORLANDO, FL 32832  
Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com

4000 ALUMINUM SINGLE HUNG WINDOW SGP  
EQUAL LEG AND FLANGE - SMI  
INSTALLATION DETAILS

DRAWN: N.G.	DWG. NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 11 OF 13



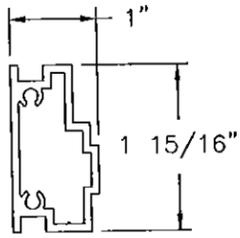
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADDED CHARTS	07/13/15	R.L.



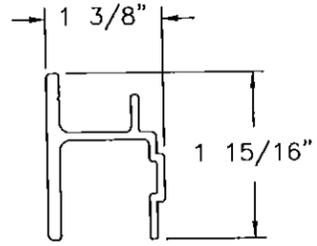
SIGNED: 03/03/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <b>15-0723.06</b> Expiration Date <b>March 27, 2019</b> By <i>Manuel Fern</i> Miami Dade Product Control	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 ALUMINUM SINGLE HUNG WINDOW SGP EQUAL LEG AND FLANGE - SMI COMPONENTS	
DRAWN: N.G.	DWG NO. 08-02217	REV B
SCALE NTS	DATE 09/05/13	SHEET 12 OF 13

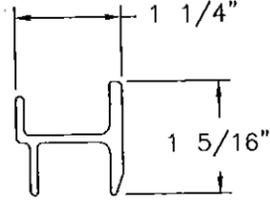
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER MD COMMENTS	12/31/13	R.L.
B	ADDED CHARTS	07/13/15	R.L.



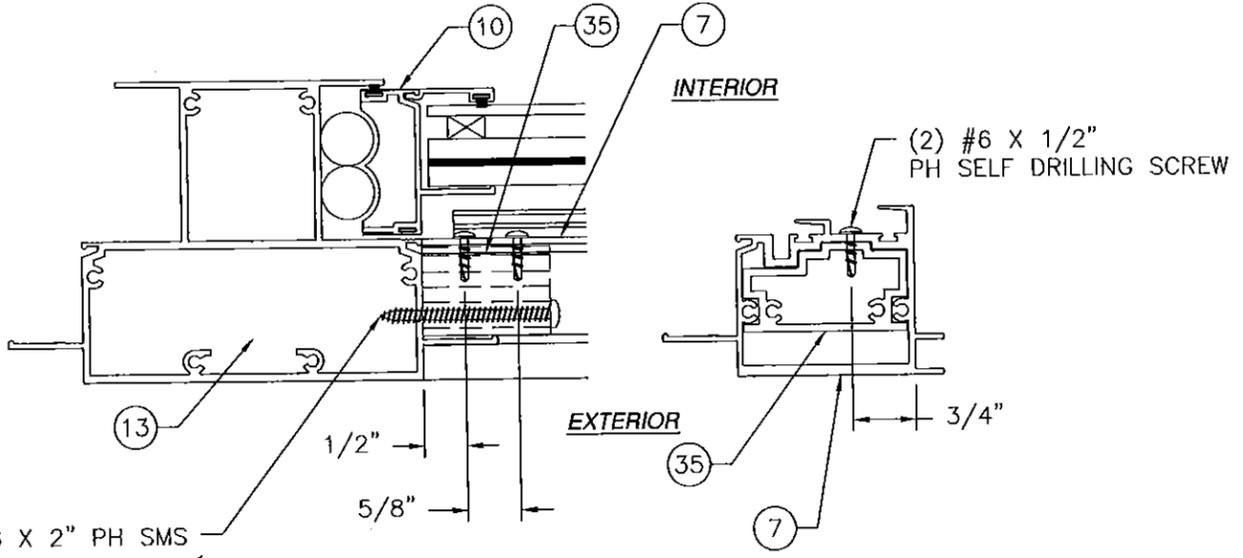
35 **SHEAR BLOCK**  
ALUMINUM 6063-T6 .090" THICK



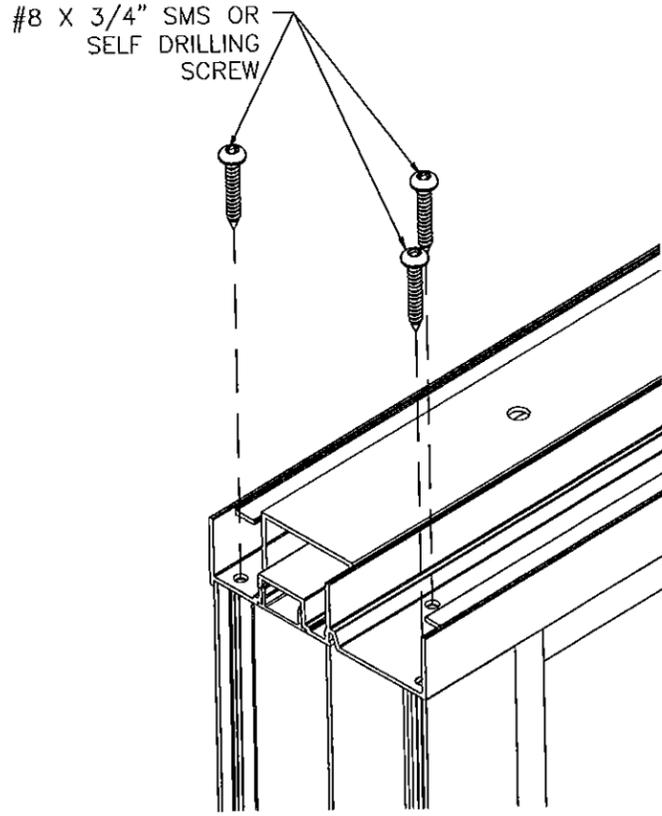
36 **REINFORCEMENT**  
ALUMINUM 6005-T61 .090" THICK



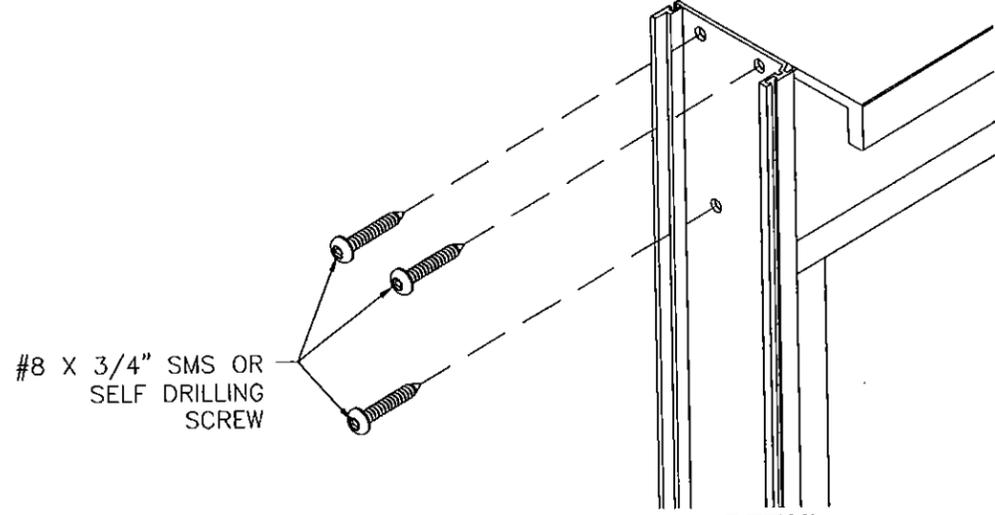
37 **REINFORCEMENT**  
ALUMINUM 6005-T61 .090" THICK



**DETAIL E**  
SHEAR BLOCK INSTALLATION



**FRAME CORNER DETAIL**



**SASH CORNER DETAIL**

SIGNED: 03/03/2016

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0723.06 Expiration Date March 27, 2019 By <i>Manuel Diaz</i> Miami Dade Product Control	<b>WinDoor</b> INCORPORATED 7500 AMSTERDAM DRIVE ORLANDO, FL 32832 Phone: 407.481.8400 Fax: 407.481.0505 www.windoorinc.com	
	4000 ALUMINUM SINGLE HUNG WINDOW SGP EQUAL LEG AND FLANGE - SMI COMPONENTS	
DRAWN: N.G. SCALE: NTS	DWG NO. 08-02217 DATE: 09/05/13	REV B SHEET 13 OF 13

