



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

MIAMI-DADE COUNTY, FLORIDA  
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)**

Sunshine Windows Manufacturing, Inc.  
1745 W. 33<sup>rd</sup> Place  
Hialeah, FL 33012

**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 "2009" Aluminum Sliding Glass Door - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. SGD09, titled "Series 2009 Aluminum Sliding Glass Door Impact Resistant Glass", sheets 1 through 14 of 14, dated 12/17/09, with revision #2 dated 10/21/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, 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, 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 and renews NOA No. 12-0314.13 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*  
10/08/15

NOA No. 14-1112.09  
Expiration Date: October 06, 2020  
Approval Date: October 15, 2015  
Page 1

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA No. 10-0105.02)*
2. Drawing No. **SGD09**, titled "Series 2009 Aluminum Sliding Glass Door Impact Resistant Glass", sheets 1 through 14 of 14, dated 12/17/09, with revision #2 dated 10/21/14, prepared by manufacturer, signed and sealed by Francisco Hernandez, 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, Type "C" sliding door, Grade 10, Level LV 1 per ASTM F 842 and per FBC 2411 3.2.1, TAS 202-94
  - 7) Standard Test Methods for Deglazing Force of Fenestration Products per ASTM E 987
  - 8) Standard Test Method "B" for Operation Force per ASTM E 2068-08 and per AAMA/ WDMA/ CSA 101/ I.S.2/ A440-11along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5856**, dated 11/04/09, signed and sealed by Julio E. Gonzalez, P.E.  
*(Submitted under NOA No. 10-0105.02)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with **FBC 5<sup>th</sup> Edition (2014)**, dated 10/21/14, prepared, signed and sealed by Francisco Hernandez, 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® Interlayer**", expiring on 01/14/17.



Manuel Pérez, P. E.  
Product Control Plan Examiner  
NOA No. 14-1112.09  
Expiration Date: October 06, 2020  
Approval Date: October 15, 2015

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**E. MATERIAL CERTIFICATIONS (CONTINUED)**

2. Pecora Corp. Part No. **Pecora 895 EPDM exterior glazing gasket** complying with ASTM C 794-30 pli, ASTM D412-Tension of 550 PSI, ASTM D 624-40 lbs./ in., ASTM D 2240-Hardness Shore A 27 Durometer, ASTM C 510-None, ASTM D 471-70 HRS 257°F and ASTM D 3835-3.0 HRS 180°F, ASTM C 719-±50%, ASTM D 3960-12 g/L, ASTM C 679-3hrs. 7 to 14 days, ASTM C 639-Nil.

**F. STATEMENTS**

1. Statement letter of conformance, complying with **FBC 5<sup>th</sup> Edition (2014)** and of no financial interest, dated 10/25/15, issued, signed and sealed by Francisco Hernandez, P.E.
2. Laboratory compliance letter for the Test Report No. **FTL-5856**, dated 11/10/09, signed and sealed Julio E. Gonzalez, P.E.  
*(Submitted under NOA No. 10-0105.02)*

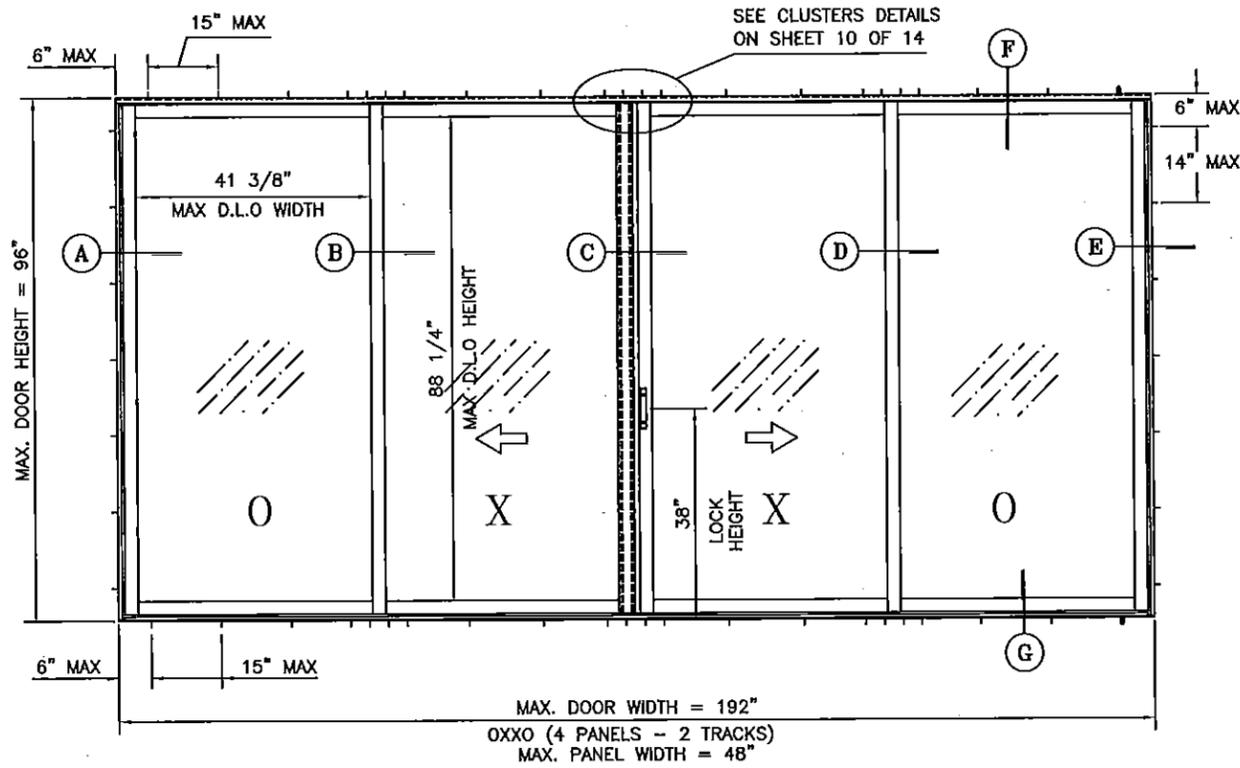
**G. OTHERS**

1. Notice of Acceptance No. **12-0314.13**, issued to Sunshine Windows Manufacturing, Inc. for their Series "2009" Aluminum Sliding Glass Door – L.M.I., approved on 05/24/12 and expiring on 10/06/15.



Manuel Pérez, P. E.  
Product Control Plan Examiner  
NOA No. 14-1112.09

Expiration Date: October 06, 2020  
Approval Date: October 15, 2015



**TYPICAL ELEVATION**

**GENERAL NOTES:**

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- REFERENCE TEST REPORT FTL-5856 DATED ON NOV. 4TH, 2009.
- 4.- FOR ANCHOR TYPE AND SPACING REFER TO TYPICAL ELEVATIONS AND SECTIONS ON SHEET 2 THRU 10 & 12 THRU 14.
- 5.- WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ANCHORED AND SEALED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 6.- WOOD HOST STRUCTURE SHALL BE SOUTHERN YELLOW PINE G = 0.55 OF GREATER DENSITY.
- 7.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
  - CONCRETE STRENGTH  $F_c'28 = 3000$  PSI MIN.
  - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
  - FILLED CMU  $F_m' = 2000$  PSI MIN.
- 8.- ALUMINUM HOST STRUCTURE NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL. THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6 AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 9.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).
- 10.- STEEL HOST STRUCTURE NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL NOT BE LESS THAN 1/8" THICK. STEEL SHALL BE  $F_y = 36$  KSI MIN. STEEL STRUCTURE SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 11.- COLONIAL MUNTINS CAN BE APPLIED.
- 12.- USE NON-SHRINK, NON-METALLIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.
- 13.- GLASS: 7/16" NOMINAL LAMINATED GLASS COMPOSED OF (2) 3/16" HEAT STRENGTHENED GLASS WITH 0.09" SENTRYGLAS INTERLAYING FILM.
- 14.- GLASS SHALL PENETRATE 0.904" INTO THE ALUMINUM FRAME POCKET AND WILL BE SECURED WITH DOW 899 SILICONE SEALANT ON THE INTERIOR AND VINYL BULB 3025 ON THE EXTERIOR.
- 15.- DOORS REQUIRING FULL USER PASSAGE SHALL COMPLY WITH EGRESS REQUIREMENTS OF FBC 5TH EDITION (2014).

**DESIGN PRESSURES CHART**

PANEL DIMENSION IN INCHES	NUMBER OF ANCHORS AT EACH CLUSTER	DESIGN PRESSURES WITH 3 3/4" SILL HEIGHT				DESIGN PRESSURES WITH 5" SILL HEIGHT						
		ATTACHMENT TO CONCRETE AND METAL (PSF)		ATTACHMENT TO WOOD (PSF)		ATTACHMENT TO CONCRETE AND METAL (PSF)		ATTACHMENT TO WOOD (PSF)				
		EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)			
80	4	24	93.33	120.71	93.33	116.47	110.00	120.71	110.00	116.47		
		30	93.33	101.02	93.33	97.48	101.02	101.02	97.48	97.48		
		36	88.26	88.26	85.16	85.16	88.26	88.26	85.16	85.16		
		48	73.29	73.29	70.71	70.71	73.29	73.29	70.71	70.71		
	6	24	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00		
		30	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00		
		36	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00		
		48	93.33	109.93	93.33	106.07	109.93	109.93	106.07	106.07		
	8	36	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00		
		48	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00		
		96	4	24	93.33	97.71	93.33	94.29	97.71	97.71	94.29	94.29
				30	81.07	81.07	78.22	78.22	81.07	81.07	78.22	78.22
36	70.15			70.15	67.69	67.69	70.15	70.15	67.69	67.69		
6	48		57.00	57.00	55.00	55.00	57.00	57.00	55.00	55.00		
	24		93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00		
	30		93.33	121.60	93.33	117.33	110.00	121.60	110.00	117.33		
8	36	93.33	105.23	93.33	101.54	105.23	105.23	101.54	101.54			
	48	85.50	85.50	82.50	82.50	85.50	85.50	82.50	82.50			
	30	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00			
8	36	93.33	125.00	93.33	125.00	110.00	125.00	110.00	125.00			
	48	93.33	114.00	93.33	110.00	110.00	114.00	110.00	110.00			

**WIND LOAD A.S.D. FACTOR NOTE:**

THE DESIGN PRESSURES SHOWN ON THIS CHART ARE FOR ALLOWABLE STRESS DESIGN. WIND LOADS CALCULATED BASED UPON "ULTIMATE WIND SPEED" AS DETERMINED FROM ASCE 7-10 OR IBC 2012 ARE PERMITTED TO BE MULTIPLIED BY 0.6 FOR COMPARISON BETWEEN THE ACTING WIND LOADS AND THE DESIGN PRESSURE OF THE UNITS.

Sunshine Windows Manufacturing, Inc.  
 1745 W. 33rd Place  
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 Ph: (305)364-9952  
 Fax: (305)828-5118

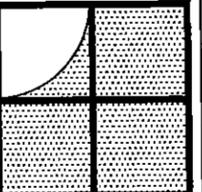
**SERIES 2009**  
**ALUMINUM SLIDING GLASS DOOR**  
**IMPACT RESISTANT GLASS**

No	DATE	REVISION
1	03-06-12	UPDATED FOR 2010 FBC
2	10-21-14	UPDATED FOR 2014 FBC

PRODUCT REVISED  
 as complying with the Florida  
 Building Code 14-1112.09  
 Acceptance No. 1010612020  
 Expiration Date 10/06/2020  
 By *Manuel Perez*  
 Miami Dade Product Control

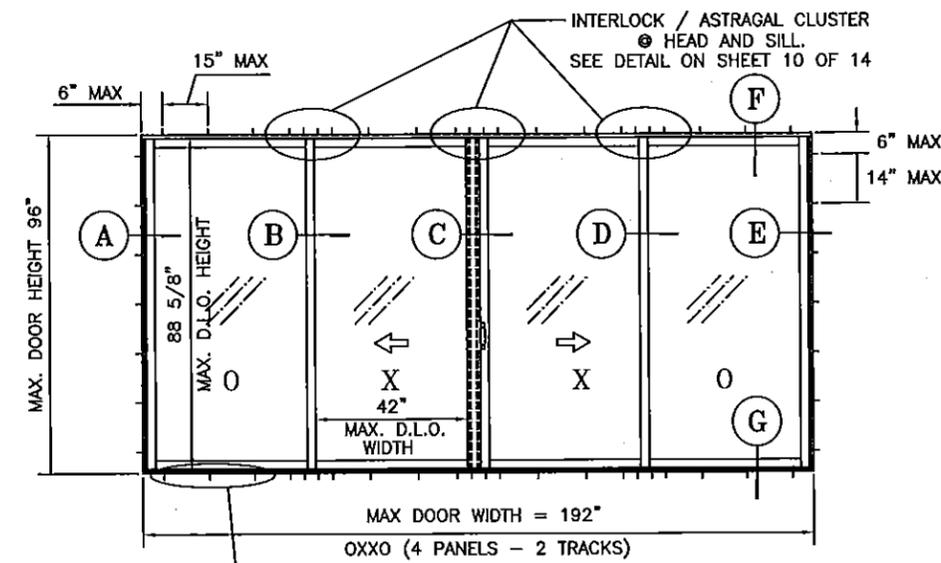
*Francisco Hernandez*  
 9-24-15  
 FRANCISCO HERNANDEZ  
 FLORIDA - PE # 51393

DRAWING No.  
 SGD09  
 DATE: 12-17-09  
 SCALE: 1/2"=1"  
 SHEET 1 OF 14



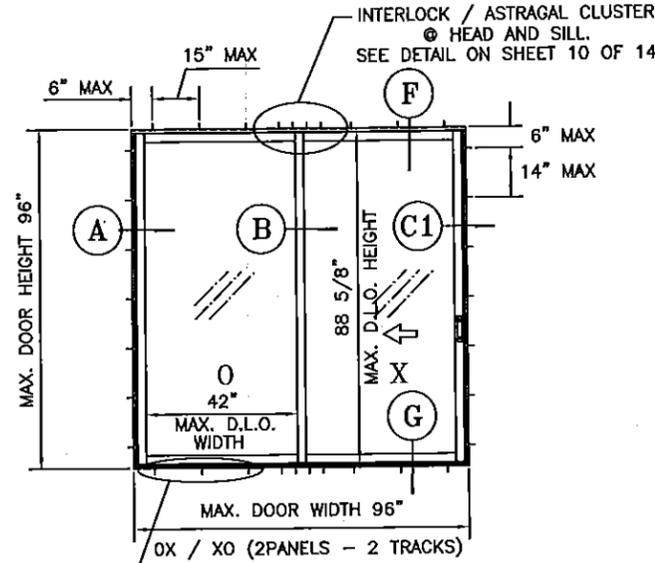
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**SERIES 2009**  
**ALUMINUM SLIDING GLASS DOOR**  
**IMPACT RESISTANT GLASS**



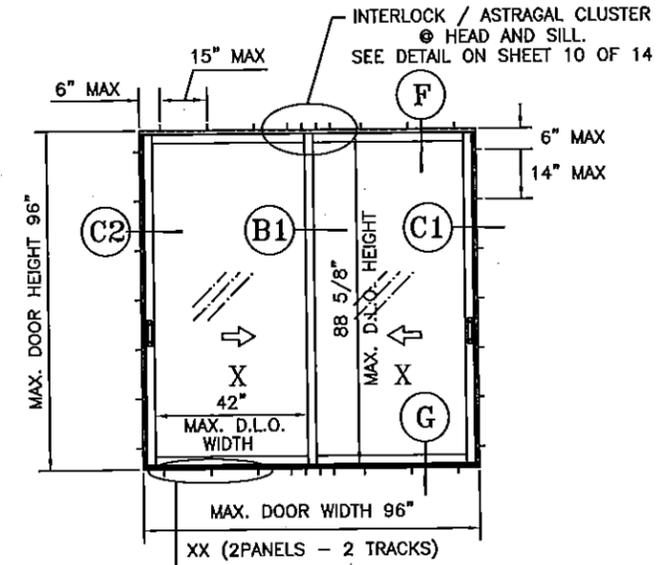
INTERMEDIATE ANCHOR  
PAIRS @ HEAD AND SILL.  
USE CHART ON SHEET 1  
OF 14 TO FIGURE TOTAL  
NUMBER OF ANCHORS PER  
CONFIGURATION

D.L.O. FORMULA FOR OXO  
D.L.O. HEIGHT = FRAME HEIGHT - 7.375"  
D.L.O. WIDTH = (FRAME WIDTH - 25")/4



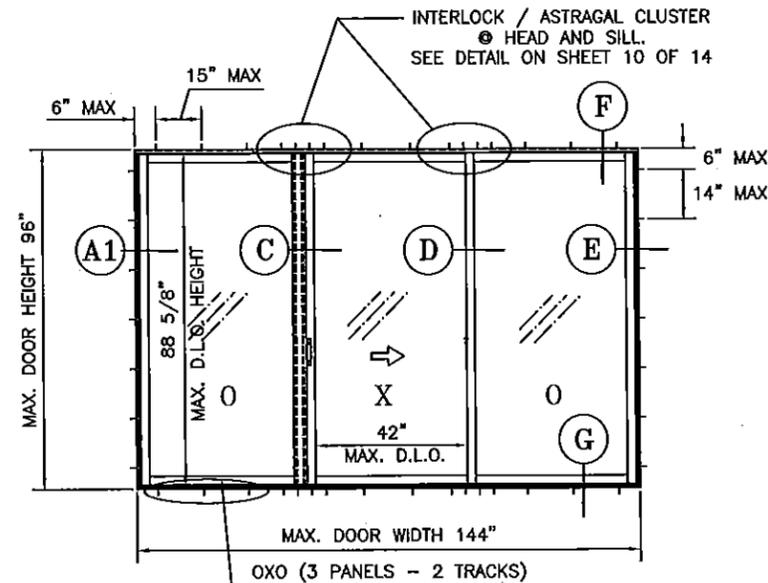
INTERMEDIATE ANCHOR  
PAIRS @ HEAD AND SILL.  
USE CHART ON SHEET 1  
OF 14 TO FIGURE TOTAL  
NUMBER OF ANCHORS PER  
CONFIGURATION

D.L.O. FORMULA FOR OX/XO  
D.L.O. HEIGHT = FRAME HEIGHT - 7.375"  
D.L.O. WIDTH = (FRAME WIDTH - 13")/2



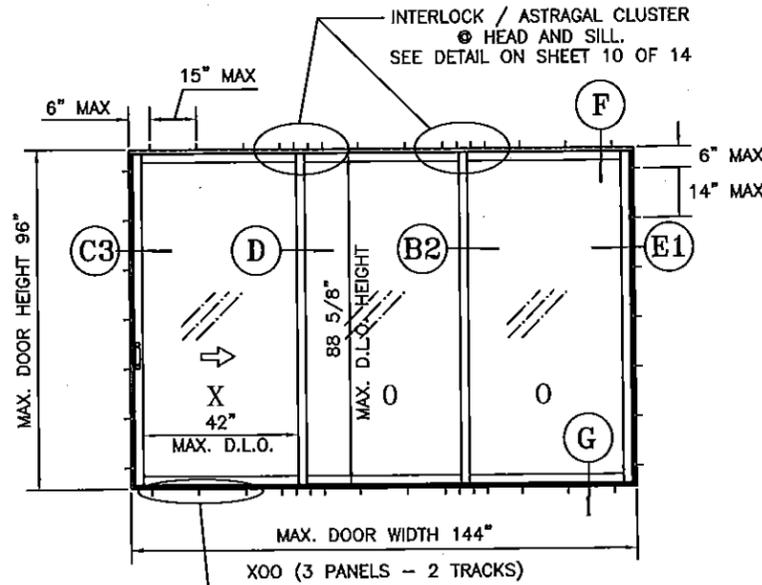
INTERMEDIATE ANCHOR  
PAIRS @ HEAD AND SILL.  
USE CHART ON SHEET 1  
OF 14 TO FIGURE TOTAL  
NUMBER OF ANCHORS PER  
CONFIGURATION

D.L.O. FORMULA FOR XX  
D.L.O. HEIGHT = FRAME HEIGHT - 7.375"  
D.L.O. WIDTH = (FRAME WIDTH - 13")/2



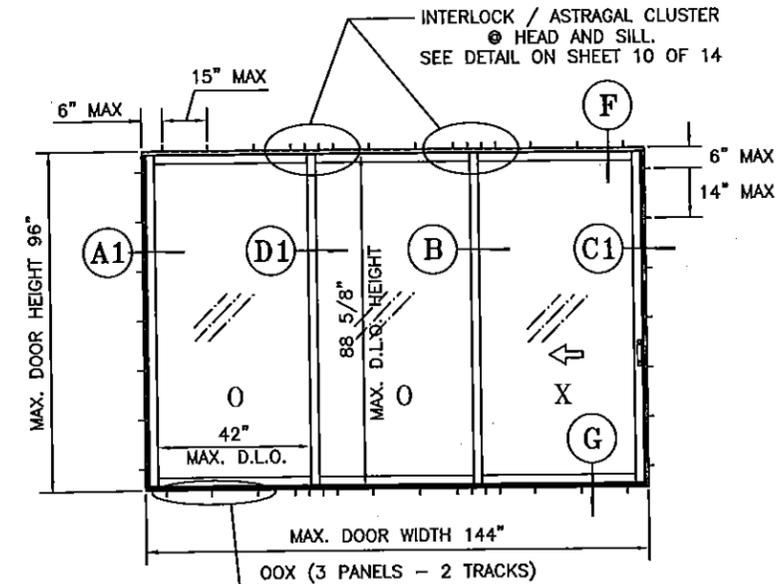
INTERMEDIATE ANCHOR  
PAIRS @ HEAD AND SILL.  
USE CHART ON SHEET 1  
OF 14 TO FIGURE TOTAL  
NUMBER OF ANCHORS  
PER CONFIGURATION

D.L.O. FORMULA FOR OXO  
D.L.O. HEIGHT = FRAME HEIGHT - 7.375"  
D.L.O. WIDTH = (FRAME WIDTH - 20.625")/3



INTERMEDIATE ANCHOR  
PAIRS @ HEAD AND SILL.  
USE CHART ON SHEET 1  
OF 14 TO FIGURE TOTAL  
NUMBER OF ANCHORS  
PER CONFIGURATION

D.L.O. FORMULA FOR XOO  
D.L.O. HEIGHT = FRAME HEIGHT - 7.375"  
D.L.O. WIDTH = (FRAME WIDTH - 20.625")/3



INTERMEDIATE ANCHOR  
PAIRS @ HEAD AND SILL.  
USE CHART ON SHEET 1  
OF 14 TO FIGURE TOTAL  
NUMBER OF ANCHORS  
PER CONFIGURATION

D.L.O. FORMULA FOR OOX  
D.L.O. HEIGHT = FRAME HEIGHT - 7.375"  
D.L.O. WIDTH = (FRAME WIDTH - 20.625")/3

**APPROVED CONFIGURATIONS**

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. **14-1112.09**  
Expiration Date **10/06/2020**  
By *Manuel Ruiz*  
Miami Dade Product Control

*[Signature]*  
a-24-15

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

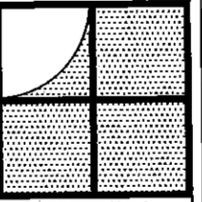
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2	10-21-14	NO CHANGE THIS SHEET

DRAWING No.  
SGD09

DATE: 12-17-09

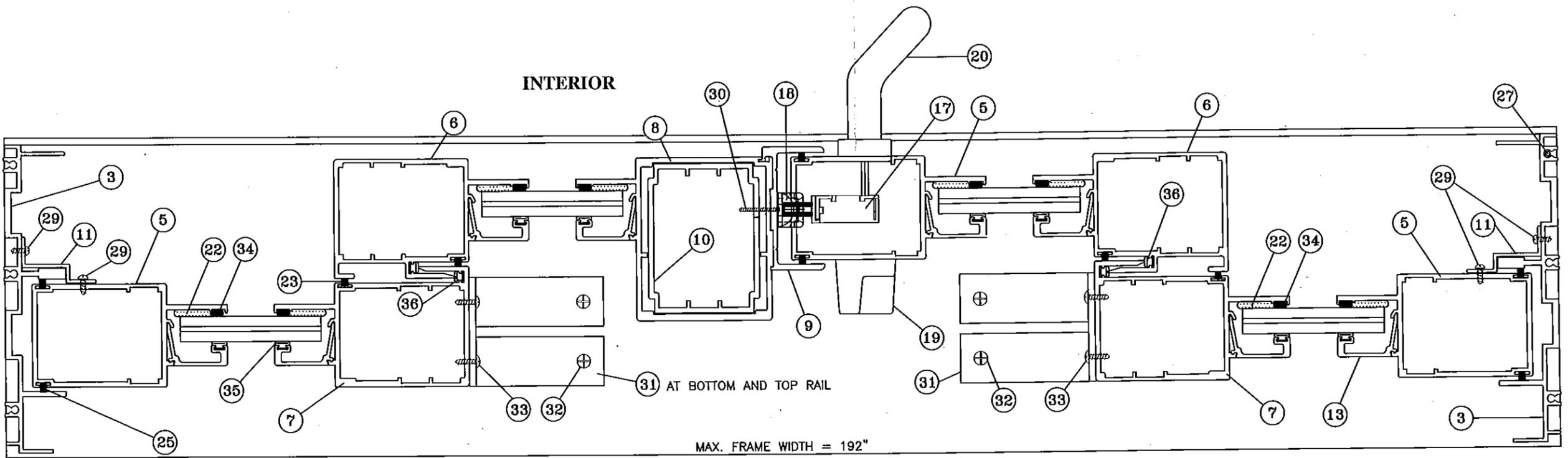
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SHEET 2 OF 14



Sunshine Windows  
Manufacturing, Inc.  
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Hialeah, Florida 33012  
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SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS



EXTERIOR

(A) (B) (C) (D) (E)

OXXO (4 PANELS - 2 TRACKS)

HORIZONTAL SECTIONS

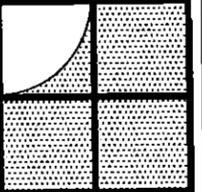
FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 14

PRODUCT REVISED  
to comply with the Florida  
Building Code **14-1112.09**  
Acceptance No. **10/06/2020**  
Expiration Date  
By *Manuel Lopez*  
Miami Dade Product Control

*[Signature]*  
9-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

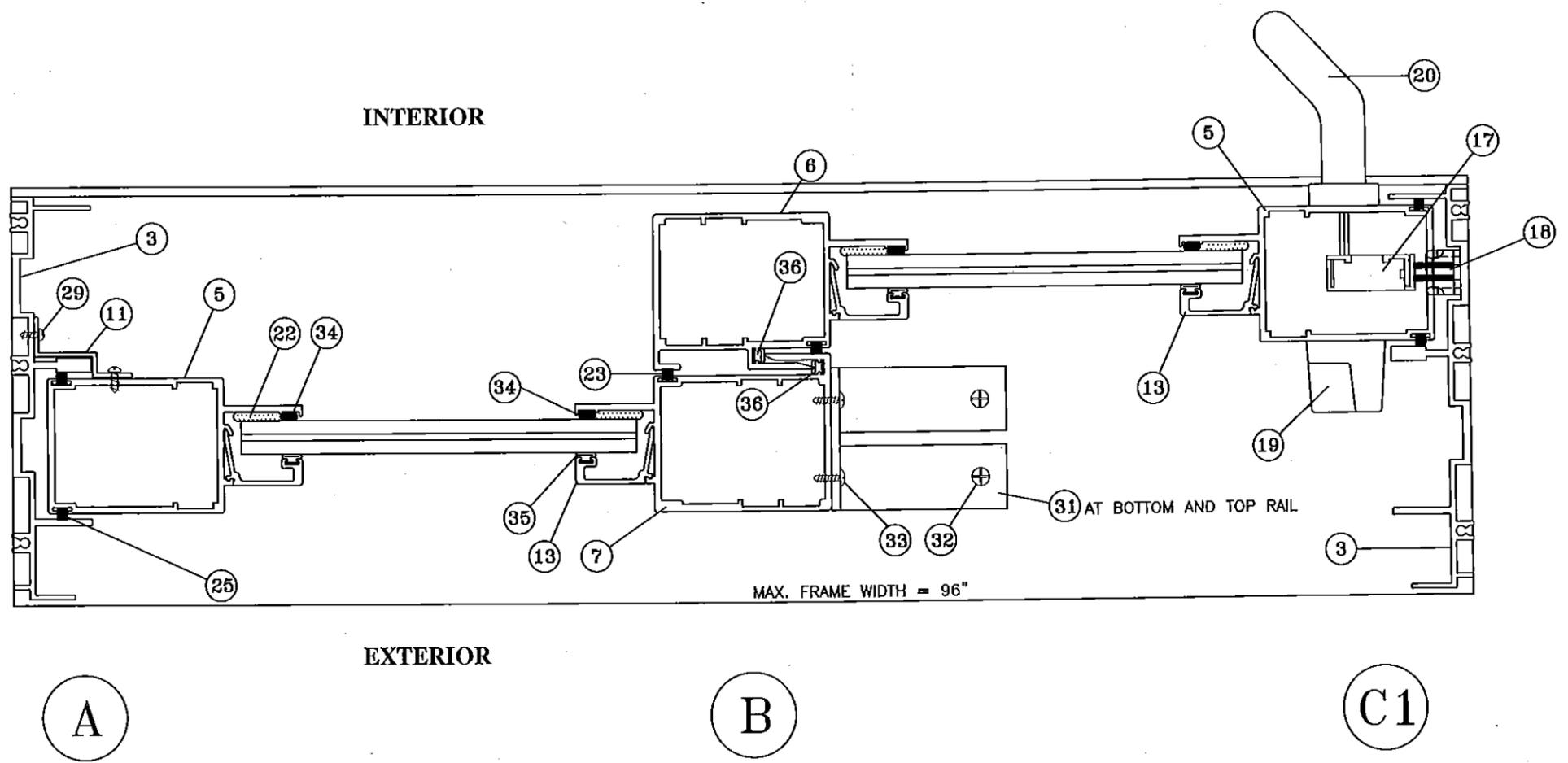
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2	10-21-14	NO CHANGE THIS SHEET

DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 3 OF 14



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SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS



OX OR XO (2 PANELS - 2 TRACKS)

HORIZONTAL SECTIONS

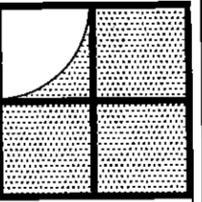
FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 14

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Building Code **14-1112-09**  
Acceptance No. **1019612020**  
Expiration Date **10/06/2020**  
By *Manuel Perez*  
Miami Dade Product Control

*[Signature]*  
a-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

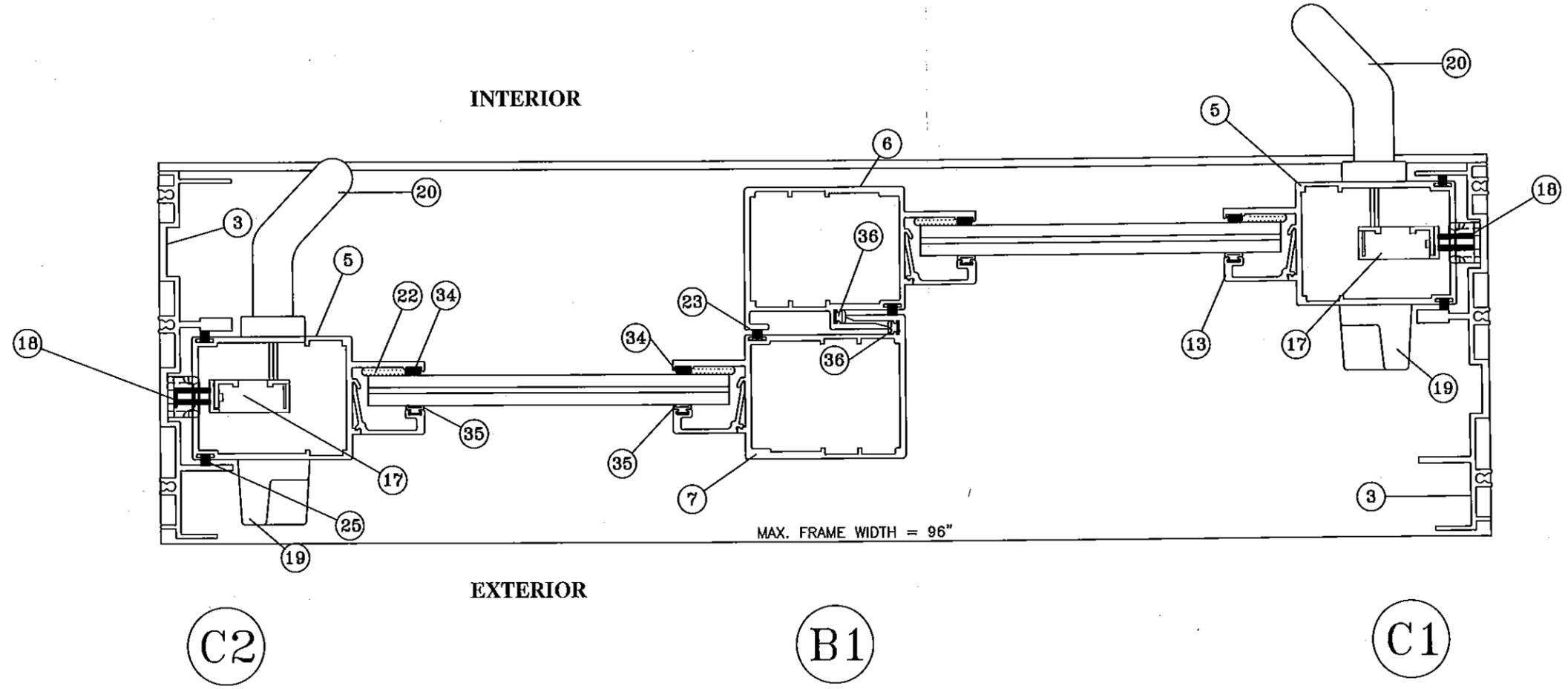
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2	10-21-14	NO CHANGE THIS SHEET

DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 4 OF 14



Sunshine Windows  
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SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS



XX (2 PANELS - 2 TRACKS)  
**HORIZONTAL SECTIONS**

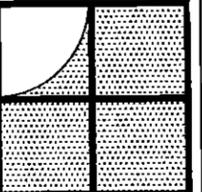
FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 14

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as complying with the Florida  
Building Code **14-1112.09**  
Acceptance No. **10/06/2020**  
Expiration Date **10/06/2020**  
By **Manuel Ruiz**  
Miami Dade Product Control

**Francisco Hernandez**  
9-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	NO CHANGE THIS SHEET

DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 5 OF 14

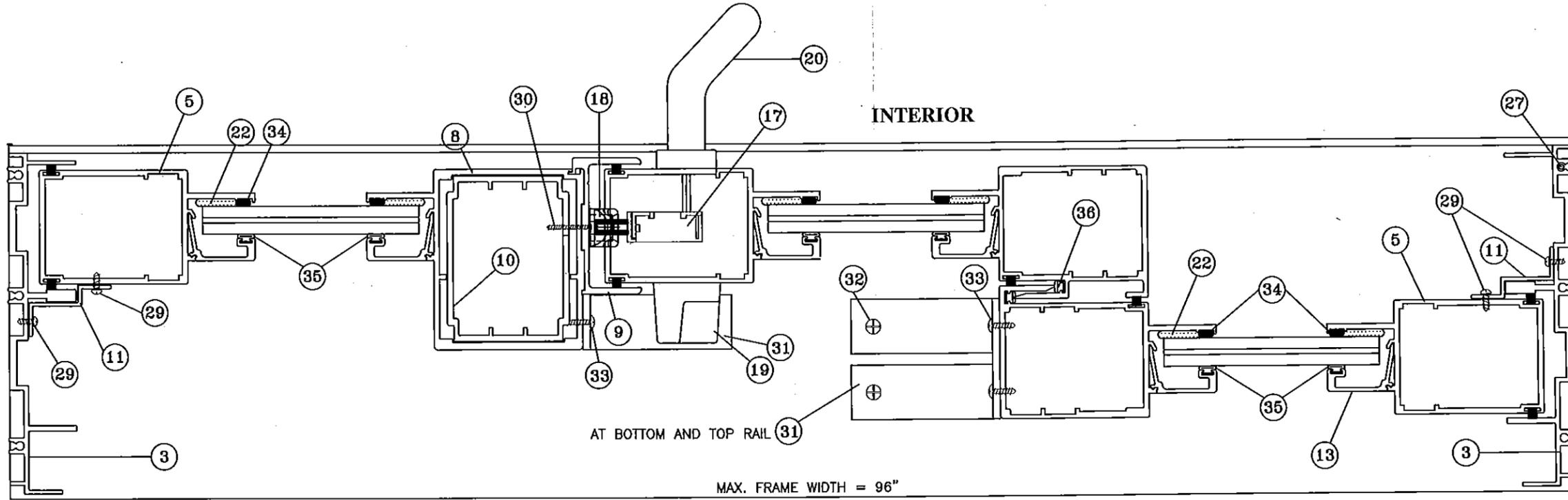


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DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 6 OF 14



(A1) (C) (D) (E)

OXO (3 PANELS - 2 TRACKS)

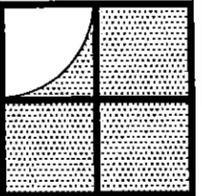
HORIZONTAL SECTIONS

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 14

PRODUCT REVISED  
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Acceptance No. **1010612020**  
Expiration Date  
By *Manuel Pineda*  
Miami Dade Product Control

*[Signature]*  
9-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



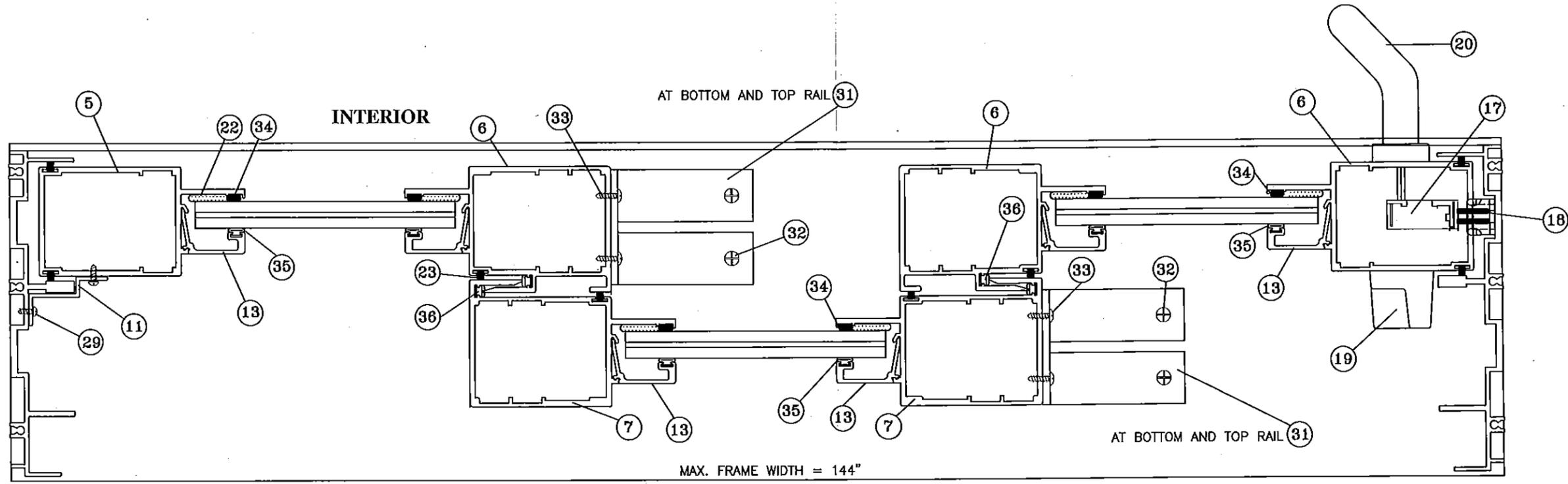


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Fax: (305)828-5118

SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	NO CHANGE THIS SHEET

DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 8 OF 14



A1

EXTERIOR

D1

B

C1

OOX (3 PANELS - 2 TRACKS)

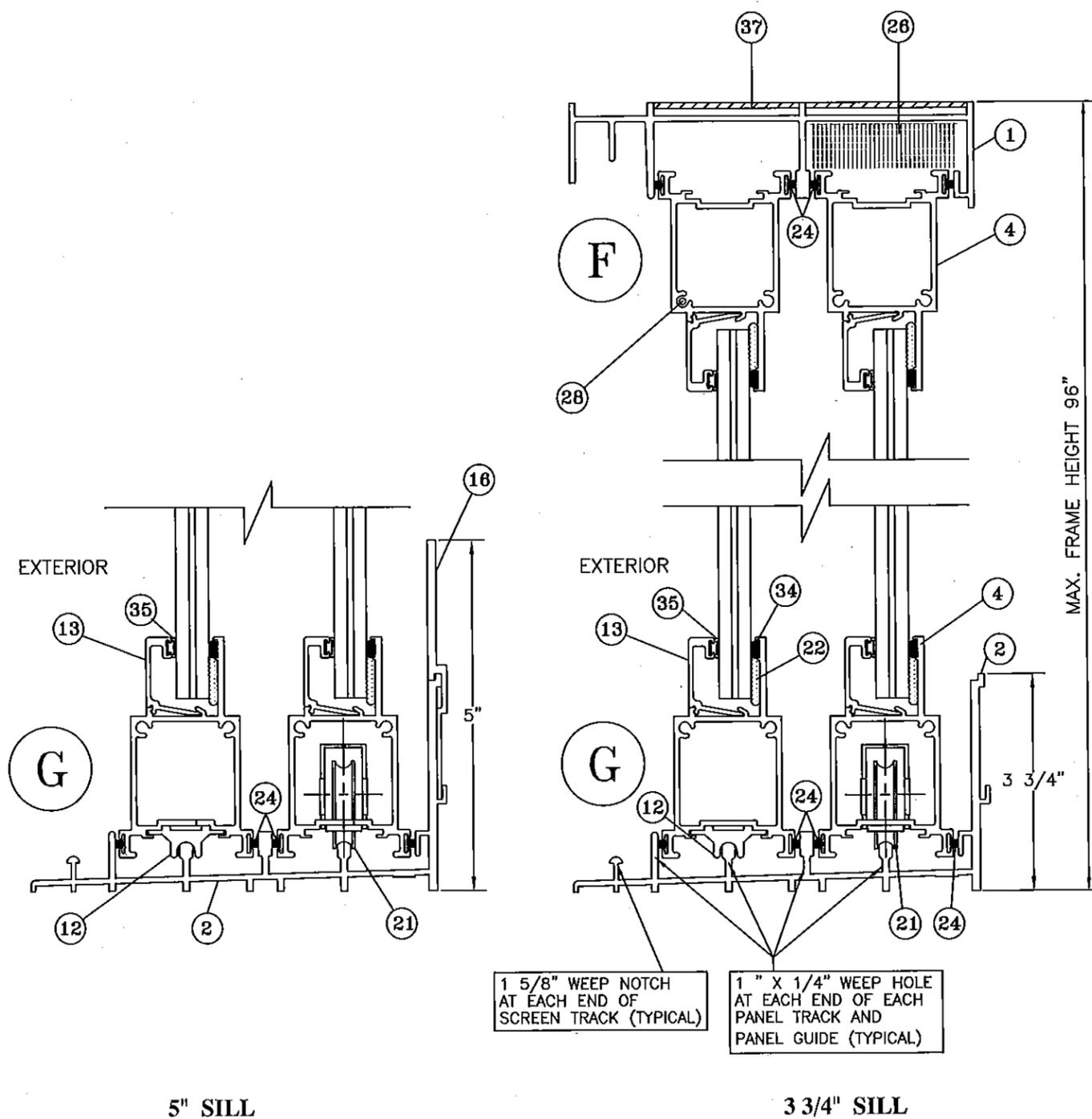
HORIZONTAL SECTIONS

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 14

PRODUCT REVISED  
as complying with the Florida  
Building Code 14-1112.09  
Acceptance No. 1010672020  
Expiration Date 10/06/2020  
By *Manuel Perez*  
Miami Dade Product Control

*[Signature]*  
9-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

BILL OF MATERIALS				
ITEM	PART #	QTY.	DESCRIPTION	NOTES
1	SSW-001	1	FRAME HEAD	6063-T6 ALUM
2	SSW-002	1	FRAME SILL	6063-T6 ALUM
3	SSW-003	2	FRAME JAMB	6063-T6 ALUM
4	SSW-004	8	PANEL TOP & BOTTOM RAIL	6005-T6 ALUM
5	SSW-005	2	PANEL LOCK/FIXED STILE	6005-T6 ALUM
6	SSW-006	2	INTERLOCK STILE - INTERIOR	6005-T6 ALUM
7	SSW-007	2	INTERLOCK STILE - EXTERIOR	6005-T6 ALUM
8	SSW-008	1	ASTRAGAL STILE	6005-T6 ALUM
9	SSW-009	1	ASTRAGAL LOCK ADAPTER	6005-T6 ALUM
10	SSW-010	1	ASTRAGAL INTERNAL REINF. TUBE	6005-T6 ALUM
11	SSW-011	1	FIXED PANEL JAMB CLIP	6063-T6 ALUM
12	SSW-012	2	FXD. PANEL BOTTOM RAIL GUIDE	RIGID VINYL
13	SSW-013	AS REQUIRED	GLAZING BEAD - 7/16"	6063-T6 ALUM
14	SSW-014		NOT USED	
15	SSW-015		NOT USED	
16	SSW-016	1	SILL RISER	6063-T6 ALUM
17	08150B01	1	MORTISE LOCK	DELTA INDUSTRIAL SYSTEMS
18	3411	1	MORTISE LOCK KEEPER	DELTA INDUSTRIAL SYSTEMS
19	3182	1	LOCK EXTERIOR HANDLE /PULL	DELTA INDUSTRIAL SYSTEMS
20	3182	1	LOCK INTERIOR HANDLE /PULL	DELTA INDUSTRIAL SYSTEMS
21	2003	4	TANDEM ROLLER (STAINLESS STEEL)	DELTA INDUSTRIAL SYSTEMS
22		AS REQUIRED	SILICONE DOW CORNING 899	
23		AS REQUIRED	INTERLOCK WEATHERSTRIP	.229 X .220 FIN SEAL
24		AS REQUIRED	TOP/BOT. RAIL WEATHERSTRIP	.229 X .200 FIN SEAL
25		AS REQUIRED	FRAME JAMB WEATHERSTRIP	.229 X .220 FIN SEAL
26		AS REQUIRED	ASTRAGAL PILE PAD	.562" x 1.500" x 2.000"
27	S.M.S.	12	FRAME ASSEMBLY SCREWS	#8 X 1" P.H. PHILLIPS
28	S.M.S.	8/PANEL	PANEL ASSEMBLY SCREWS	#10 X 1" P.H. PHILLIPS
29	S.M.S.	AS REQUIRED	FXD. PANEL CLIP SCREWS	#10 X 1/2" P.H. PHILLIPS
30	S.M.S.	AS REQUIRED	ASTRAGAL ADAPTER SCREWS	#10 X 1" P.H. PHILLIPS
31	ANGLE	AS REQUIRED	FXD. PANEL RETAINING ANGLE (ALUM)	2 1/2" X 2 1/2" X 1/8"
32	S.M.S.	AS REQUIRED	FXD. PANEL RETAINING ANGLE SCREW	#10 X 1/2" P.H. PHILLIPS
33	S.M.S.	AS REQUIRED	FXD. PANEL RETAINING ANGLE SCREW	#10 X 1" P.H. PHILLIPS
34		AS REQUIRED	DOUBLE FACE FOAM GLAZING TAPE	1/4" X 1/8"
35		AS REQUIRED	VINYL BULB 3008	MELTPOINT
36		AS REQUIRED	VINYL BULB 3025	MELTPOINT



### VERTICAL SECTIONS

FOR INSTALLATION DETAILS SEE SHEETS 12 THRU 14

### BILL OF MATERIALS AND PARTS DETAILS

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-1112.09  
 Expiration Date 10/06/2020  
 By *Francisco Hernandez*  
 Miami Dade Product Control

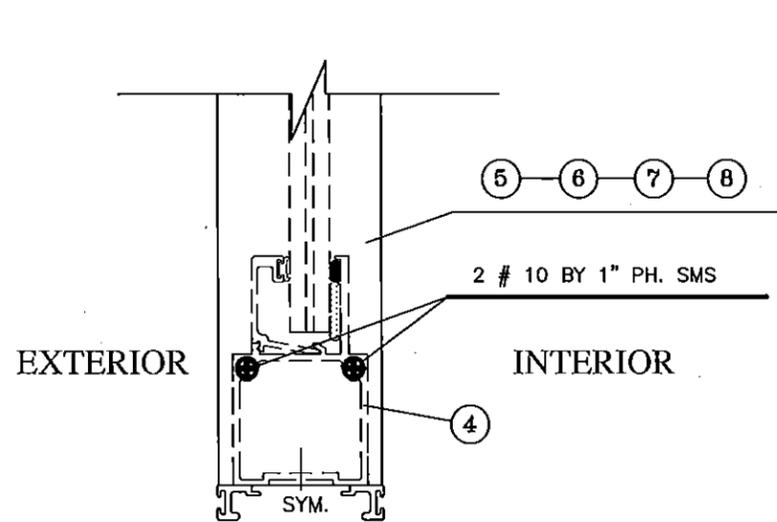
*Francisco Hernandez*  
 9-24-15  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

Sunshine Windows  
 Manufacturing, Inc.  
 1745 W. 33rd Place  
 Hialeah, Florida 33012  
 Ph: (305)364-9952  
 Fax: (305)828-5118

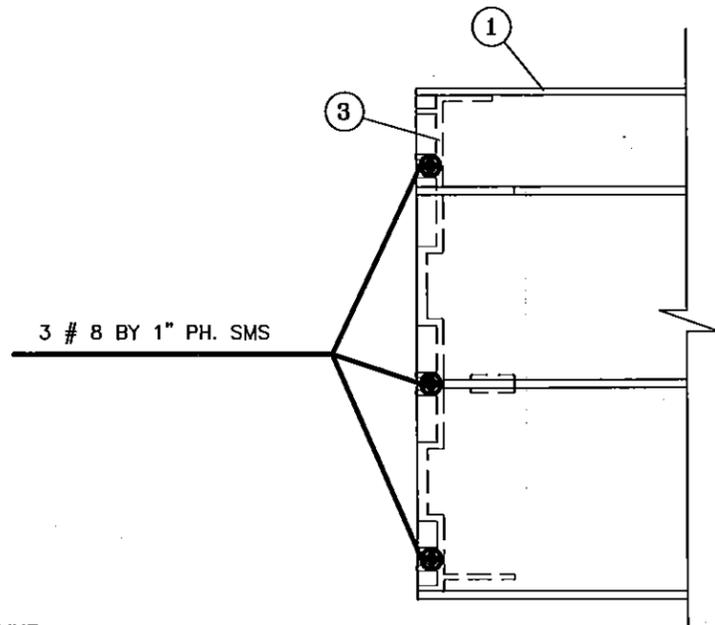
### SERIES 2009 ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT GLASS

NO	DATE	REVISION
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2	10-21-14	NO CHANGE THIS SHEET

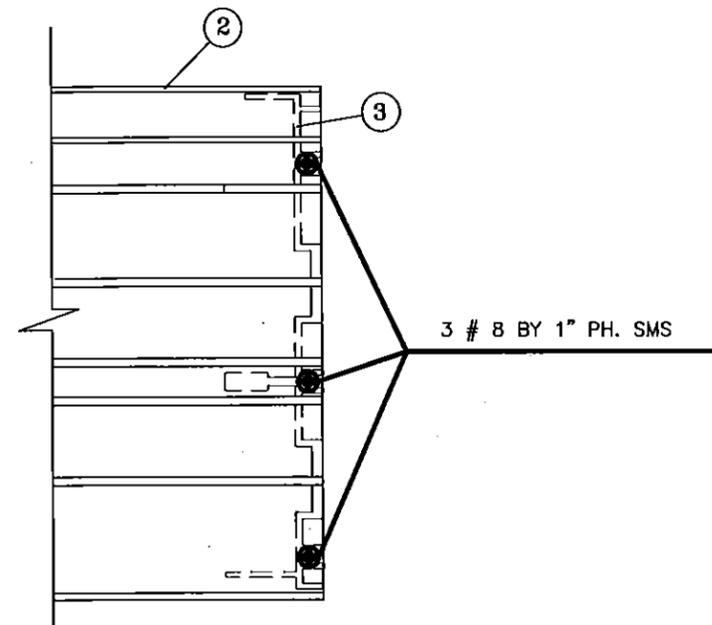
DRAWING No.  
 SGD09  
 DATE: 12-17-09  
 SCALE: 1/2"=1"  
 SHEET 9 OF 14



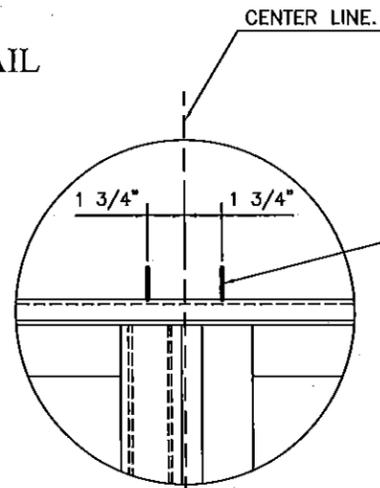
PANEL CORNERS  
CONSTRUCTION DETAIL



FRAME UPPER CORNER  
CONSTRUCTION DETAIL



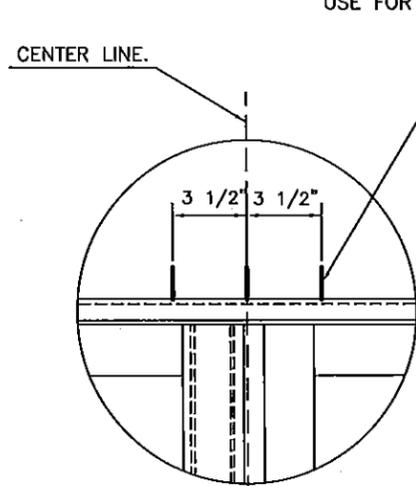
FRAME BOTTOM CORNER  
CONSTRUCTION DETAIL



2 DOUBLE ROWS (CLUSTER OF 4) OF  
5/16" ULTRACON IN CONCRETE AND WOOD  
OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5  
SELF DRILLING SCREWS IN METAL

CLUSTER DETAIL (4 ANCHORS)

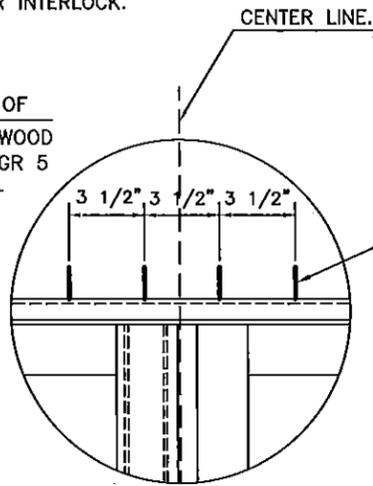
USE FOR HEAD AND SILL AT ASTRAGAL AND / OR INTERLOCK.



3 DOUBLE ROWS (CLUSTER OF 6) OF  
5/16" ULTRACON IN CONCRETE AND WOOD  
OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5  
SELF DRILLING SCREWS IN METAL

CLUSTER DETAIL (6 ANCHORS)

USE FOR HEAD AND SILL AT ASTRAGAL AND / OR INTERLOCK.

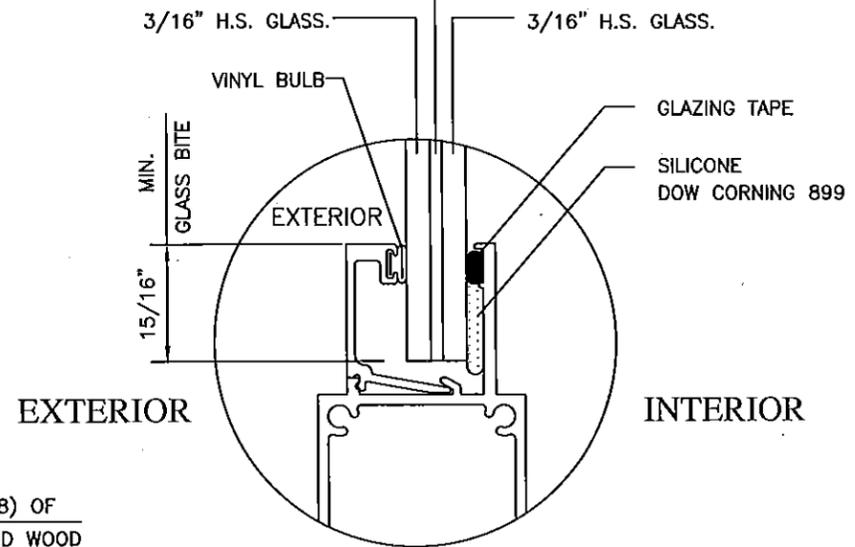


4 DOUBLE ROWS (CLUSTER OF 8) OF  
5/16" ULTRACON IN CONCRETE AND WOOD  
OR 1/4" KWIK FLEX OR DRIL-FLEX GR 5  
SELF DRILLING SCREWS IN METAL

CLUSTER DETAIL (8 ANCHORS)

USE FOR HEAD AND SILL AT ASTRAGAL AND / OR INTERLOCK.

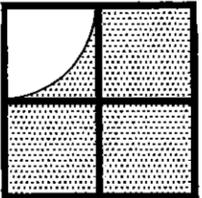
0.09" SENTRYGLAS PLUS INTERLAYER  
BY KURARAY AMERICA, INC.



GLAZING DETAIL

PRODUCT REVISED  
as complying with the Florida  
Building Code **14-1112.09**  
Acceptance No. **10/06/2020**  
Expiration Date **9-24-15**  
By **Manuel Perez**  
Miami Dade Product Control

**FRANCISCO HERNANDEZ**  
FLORIDA PE # 51393



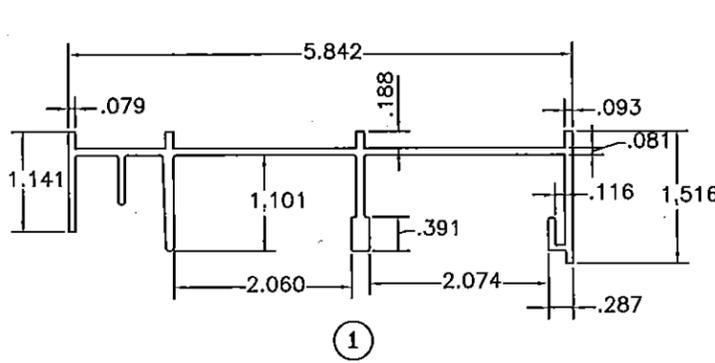
Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS

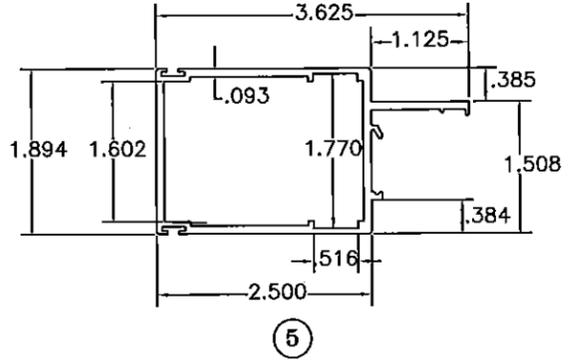
No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	ADDED 4 ANCHORS CLUSTER DETAIL

DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"

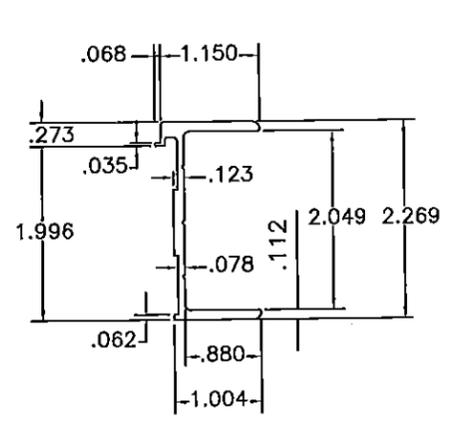
SHEET 10 OF 14



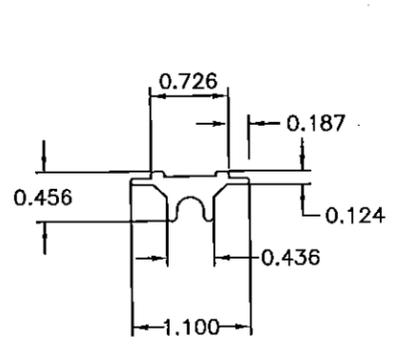
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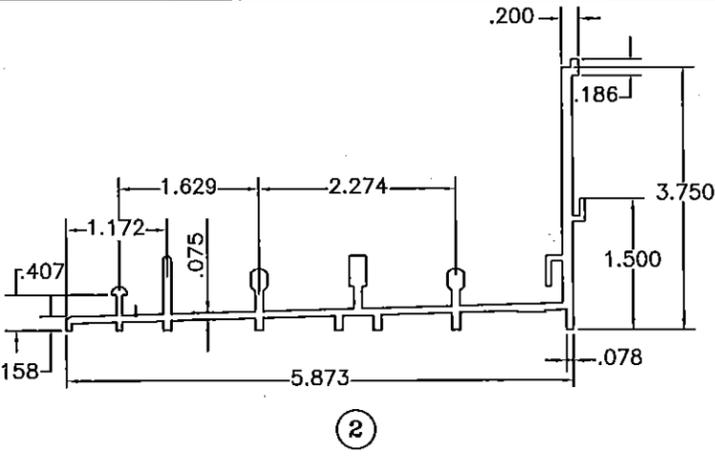
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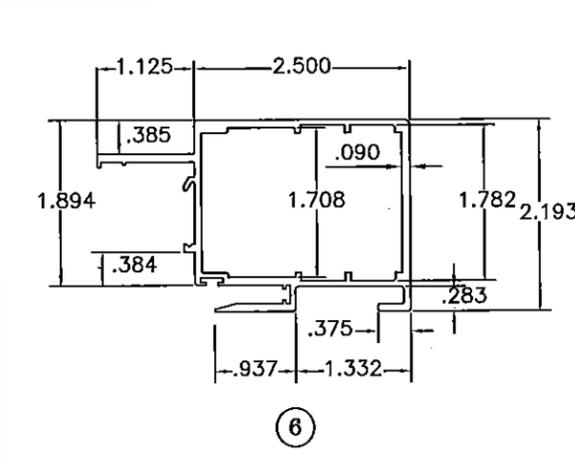
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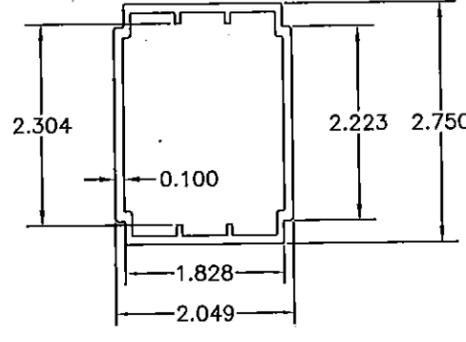
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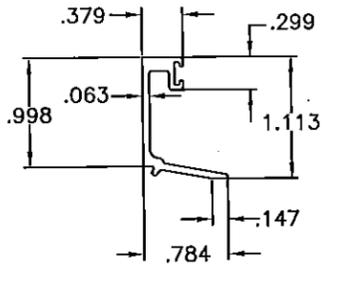
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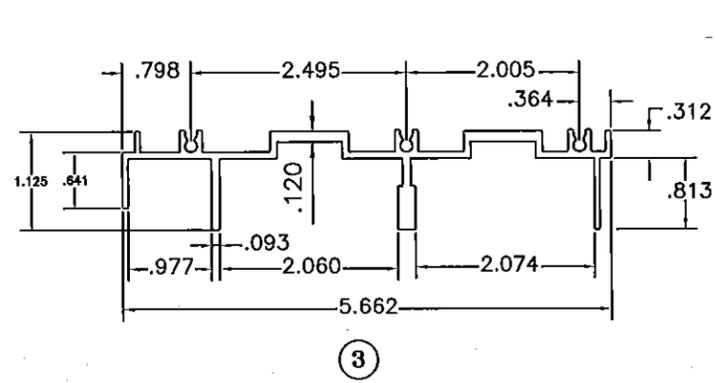
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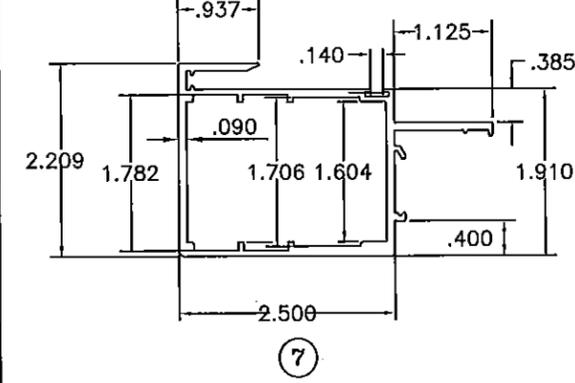
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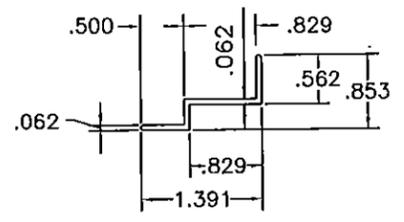
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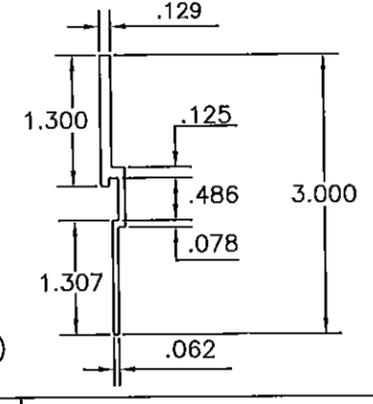
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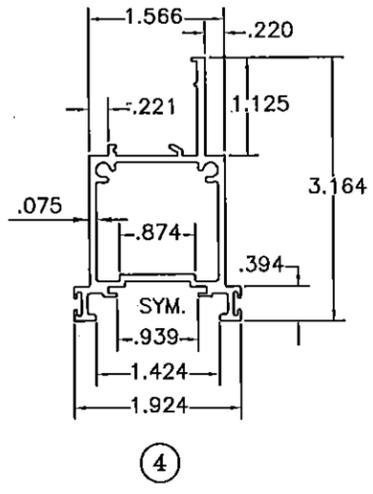
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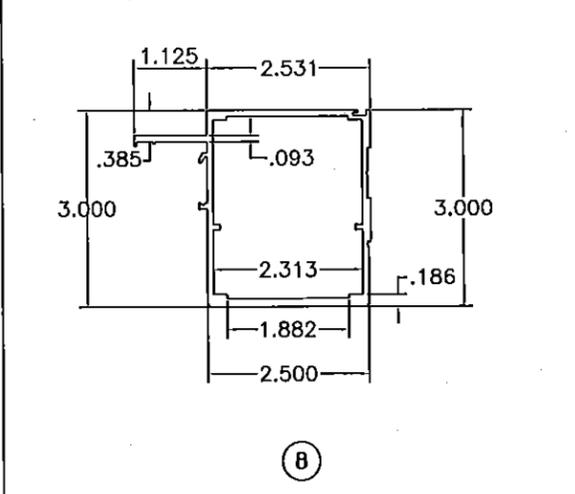
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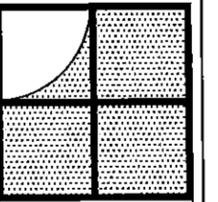
⑯



④



⑧



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
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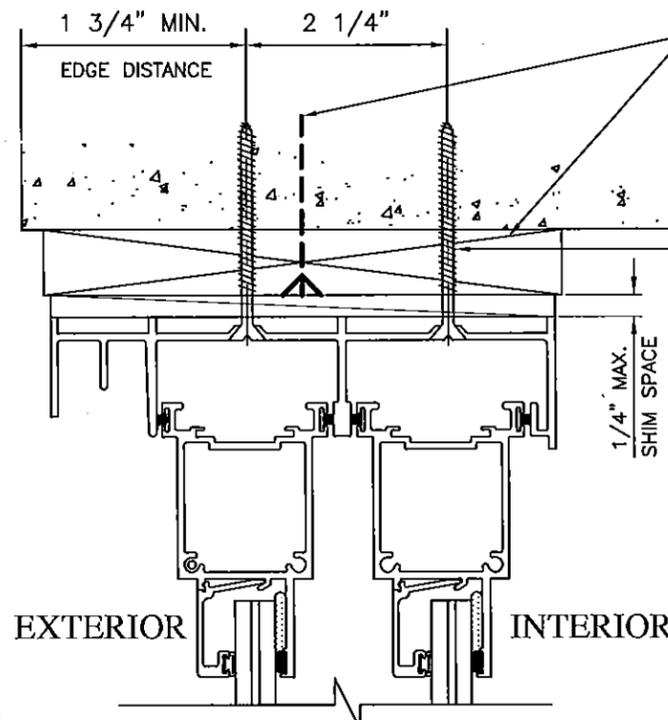
SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	NO CHANGE THIS SHEET

PRODUCT REVISED  
to comply with the Florida  
Building Code **14-1112.09**  
Acceptance No. **1010612020**  
Expiration Date **9-24-15**  
By **Manuel Cruz**  
Miami Dade Product Control

**Francisco Hernandez**  
9-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

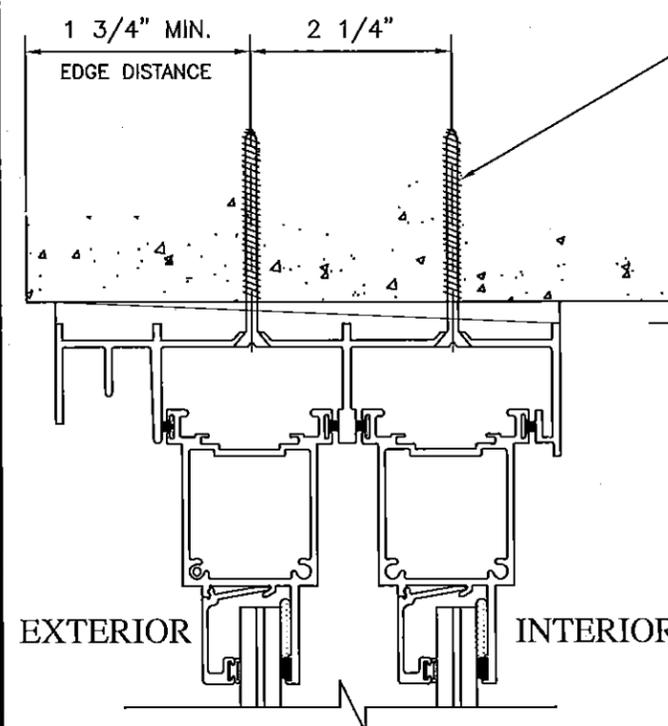
DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 11 OF 14



1" X WOOD BUCK BY OTHERS MUST BE PROPERLY SEALED AND ANCHORED TO TRANSFER LOADS TO THE STRUCTURE AND APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

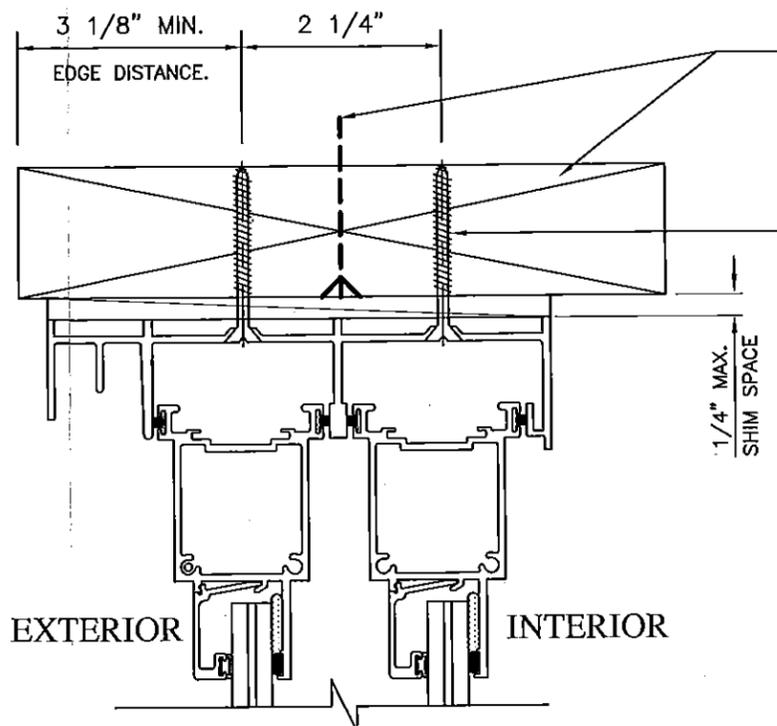
5/16" Ø ULTRACON WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE THROUGH 1" X WOOD BUCK. FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 14, AND CLUSTER DETAIL ON SHEET 10 OF 14.

ATTACHMENT TO CONCRETE USING 1" BY WOOD BUCK



5/16" Ø ULTRACON WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE. FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 14, AND CLUSTER DETAIL ON SHEET 10 OF 14.

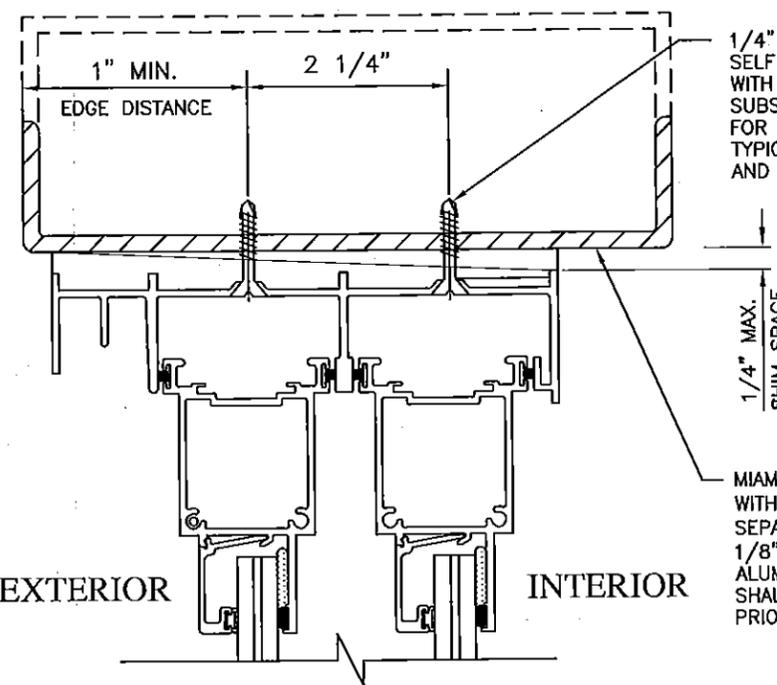
ATTACHMENT TO CONCRETE WITHOUT WOOD BUCKS



WOODEN STRUCTURE BY OTHERS MUST BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

5/16" Ø ULTRACON WITH 1 7/8" MIN. PENETRATION INTO WOOD. FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 14, AND CLUSTER DETAIL ON SHEET 10 OF 14.

ATTACHMENT TO WOOD



1/4" Ø KWIK-FLEX OR DRILL-FLEX GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE. FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 14, AND CLUSTER DETAIL ON SHEET 10 OF 14.

MIAMI-DADE COUNTY APPROVED MULLION WITH 1/8" MIN. THICKNESS (UNDER SEPARATE NOA) OR METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR A-36 STEEL. SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

ATTACHMENT TO METAL STRUCTURE

**TYPICAL SECTIONS AT HEAD  
ATTACHMENT TO DIFERENT SUBSTRATES**

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 14-1112.09  
 Expiration Date 10/06/2020  
 By *Manuel Perez*  
 Miami Dade Product Control

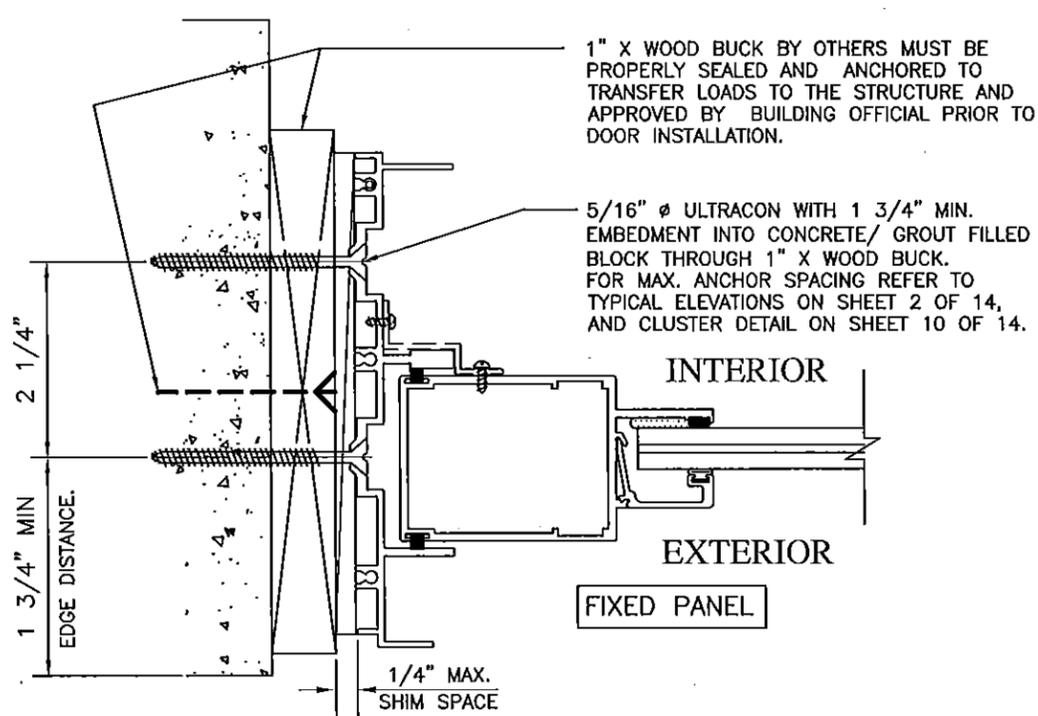
*[Signature]*  
 a-24-15  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc.  
 1745 W. 33rd Place  
 Hialeah, Florida 33012  
 Ph: (305)364-9952  
 Fax: (305)828-5118

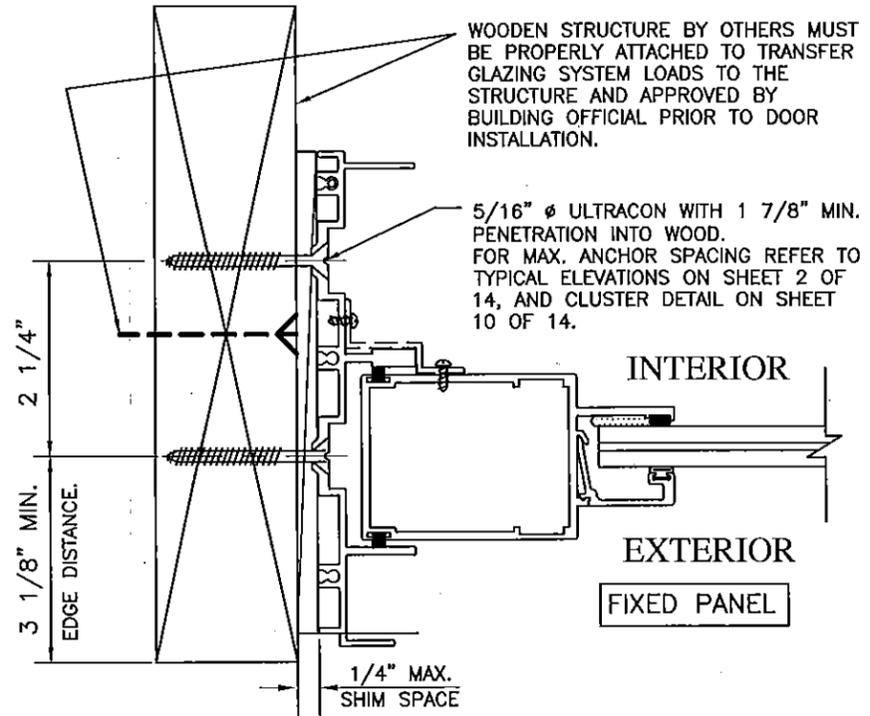
SERIES 2009  
 ALUMINUM SLIDING GLASS DOOR  
 IMPACT RESISTANT GLASS

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	NO CHANGE THIS SHEET

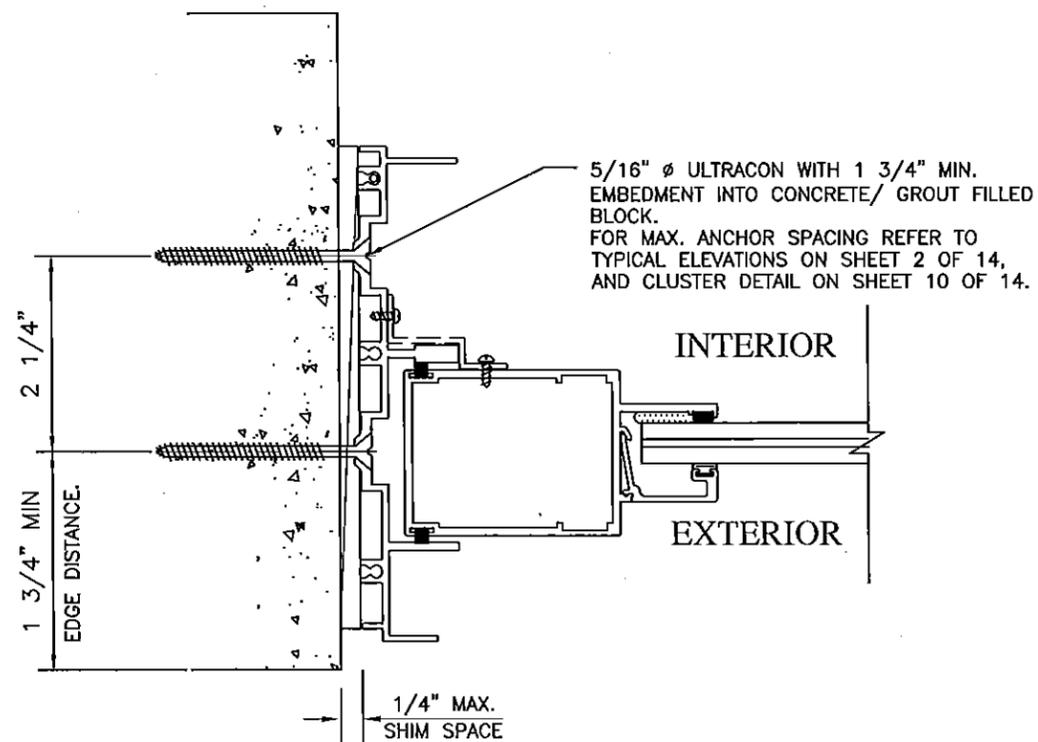
DRAWING No. SGD09  
 DATE: 12-17-09  
 SCALE: 1/2"=1"  
 SHEET 12 OF 14



ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK USING 1" BY WOOD BUCK



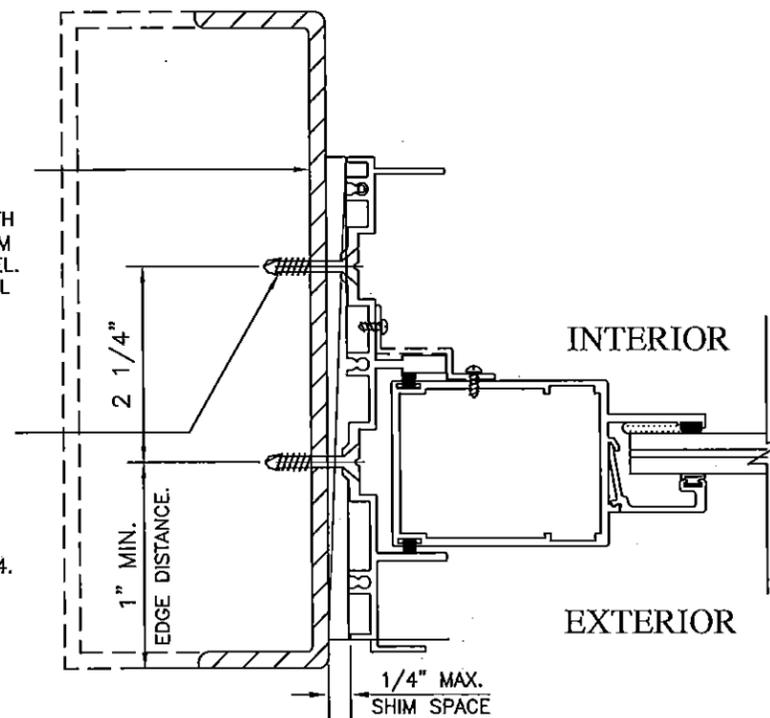
ATTACHMENT TO WOOD



ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK WITHOUT WOOD BUCKS

MIAMI-DADE COUNTY APPROVED MULLION WITH 1/8" MIN. THICKNESS (UNDER SEPARATE NOA) OR METAL STRUCTURE WITH 1/8" MIN. THICKNESS BY OTHERS. MINIMUM ALUMINUM ALLOY 6063-T6 OR A-36 STEEL SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

1/4" Ø KWIK-FLEX OR DRIL-FLEX GR 5 SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTRATE. FOR MAX. ANCHOR SPACING REFER TO TYPICAL ELEVATIONS ON SHEET 2 OF 14, AND CLUSTER DETAIL ON SHEET 10 OF 14.

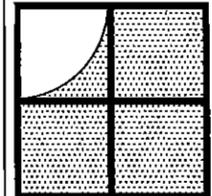


ATTACHMENT TO METAL STRUCTURE

TYPICAL SECTIONS AT JAMBS  
ATTACHMENT TO DIFERENT SUBSTRATES

PRODUCT REVISED as complying with the Florida Building Code 14-1112.09  
Acceptance No. 10/26/2020  
Expiration Date 10/26/2020  
By Francisco Hernandez  
Miami/Dade Product Control

*[Signature]*  
9-24-15  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

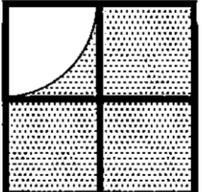


Sunshine Windows Manufacturing, Inc.  
1745 W. 33rd Place  
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Ph: (305)364-9952  
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SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS

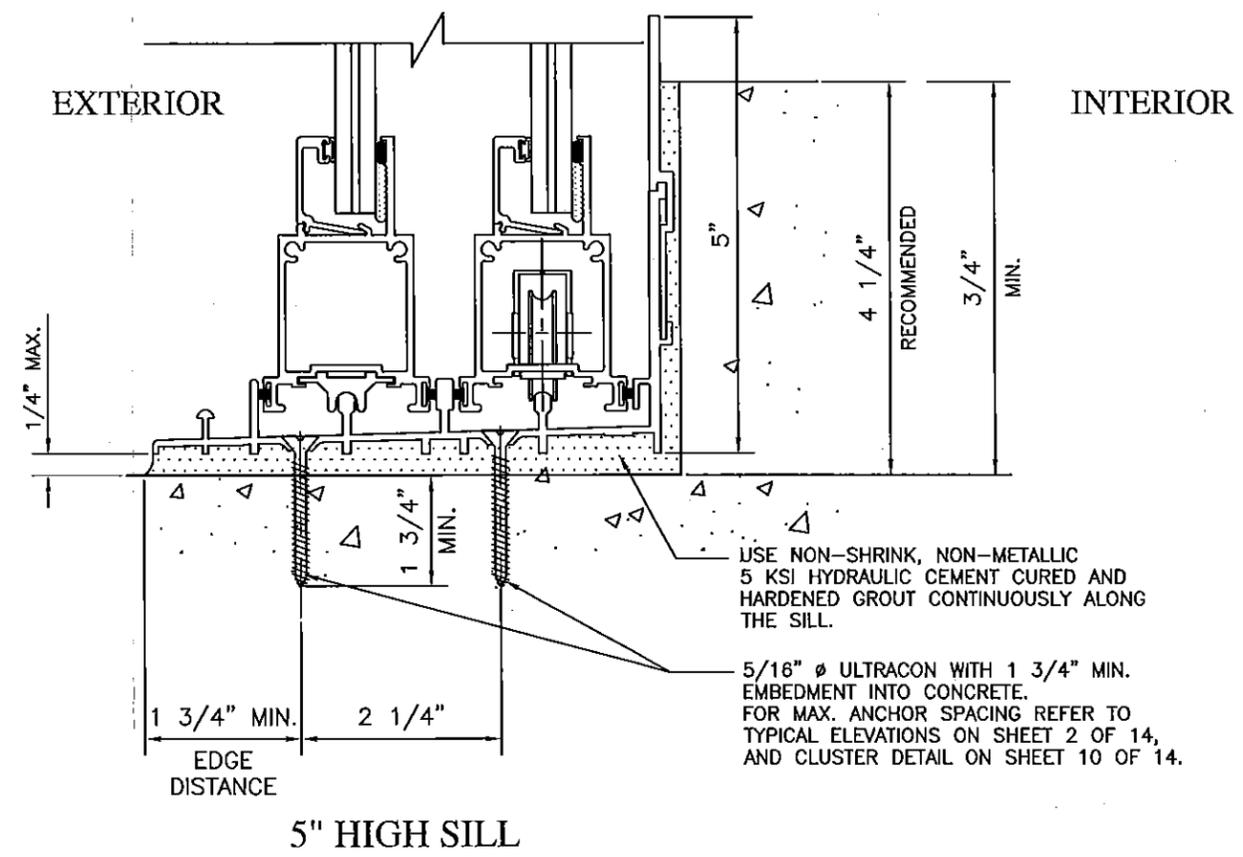
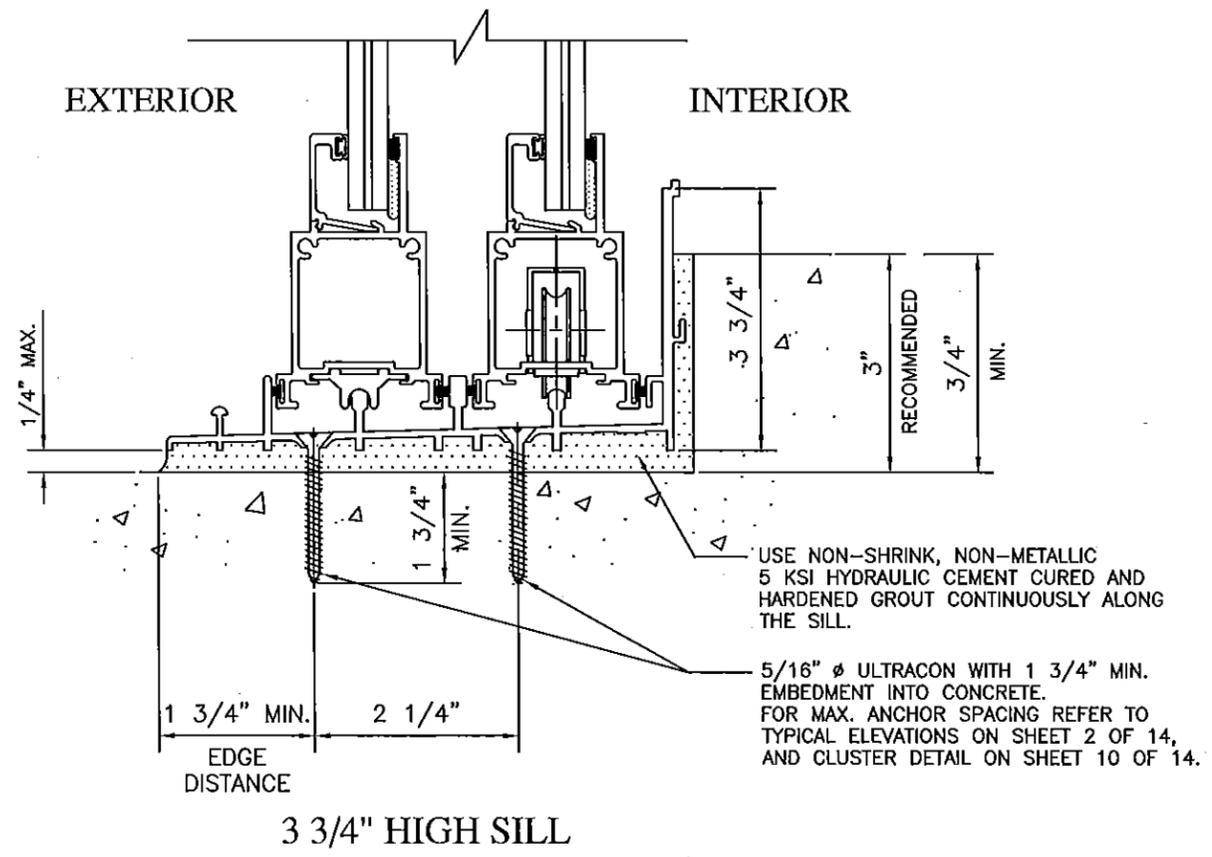
NO	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	NO CHANGE THIS SHEET

DRAWING No. SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 13 OF 14



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax:(305)828-5118

SERIES 2009  
ALUMINUM SLIDING GLASS DOOR  
IMPACT RESISTANT GLASS



TYPICAL SECTIONS AT SILL

PRODUCT REVISED  
as complying with the Florida  
Building Code 14-112.09  
Acceptance No. 101042020  
Expiration Date 10/04/2020  
By Manuel Perez  
Miami Dade Product Control

*[Signature]*  
9-24-15

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

No	DATE	REVISION
1	03-06-12	NO CHANGE THIS SHEET
2	10-21-14	NO CHANGE THIS SHEET

DRAWING No.  
SGD09  
DATE: 12-17-09  
SCALE: 1/2"=1"  
SHEET 14 OF 14