



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

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

**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 PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Series "1600" Aluminum Sliding Glass Door – N. I.**

**APPROVAL DOCUMENT:** Drawing No. **SGD08-01**, titled "Series 1600 Aluminum Sliding Glass Door", sheets 1 through 5 of 5, dated 02/21/12, 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: None.**

**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 and renews NOA # **08-0514.06** 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*  
4/25/12

NOA No. 12-0228.22  
Expiration Date: May 20, 2017  
Approval Date: May 03, 2012  
Page 1

**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No. **SGD08-01**, titled "Series 1600 Aluminum Sliding Glass Door", sheets 1 through 5 of 5, dated 02/21/12, 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) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, glazed with 1/4" temp. glass, prepared by Fenestration Testing Laboratory, Inc. Test Report No. **FTL-5442**, dated 03/29/08, signed and sealed by Michael Wenzel, P.E.

*(Submitted under previous NOA#08-0514.06)*

2. Test reports on: 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) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of an aluminum sliding glass door, glazed with 3/16" temp. glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5443**, dated 03/29/08, signed and sealed by Michael Wenzel, P.E.

*(Submitted under previous NOA#08-0514.06)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2010, dated 01/15/12, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.



Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0228.22

Expiration Date: May 20, 2017

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**Sunshine Windows Manufacturing, Inc.**

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**F. STATEMENTS**

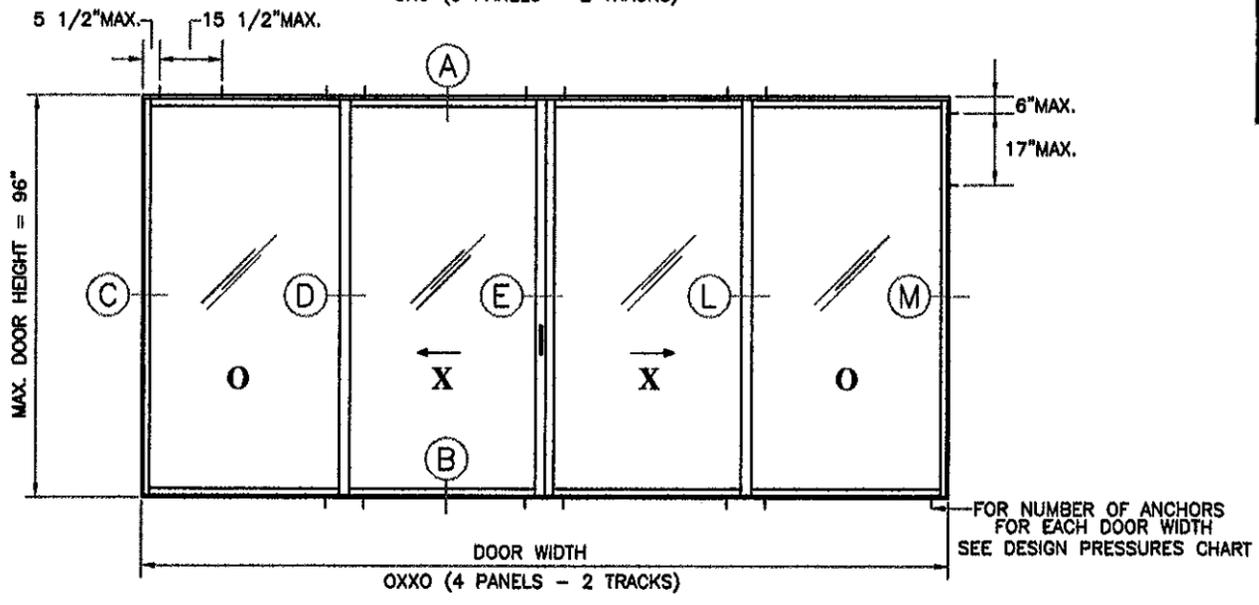
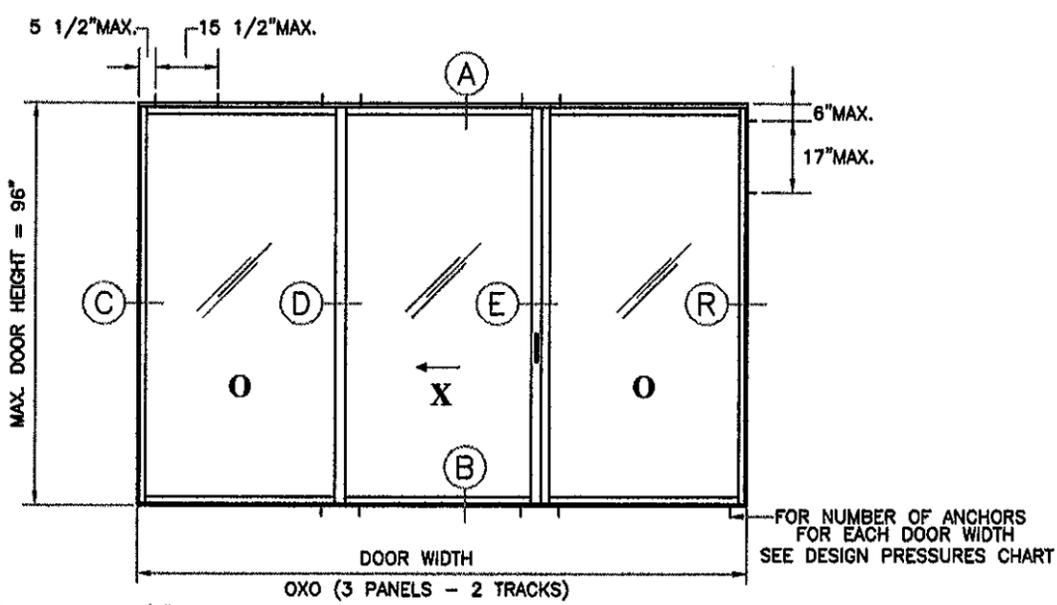
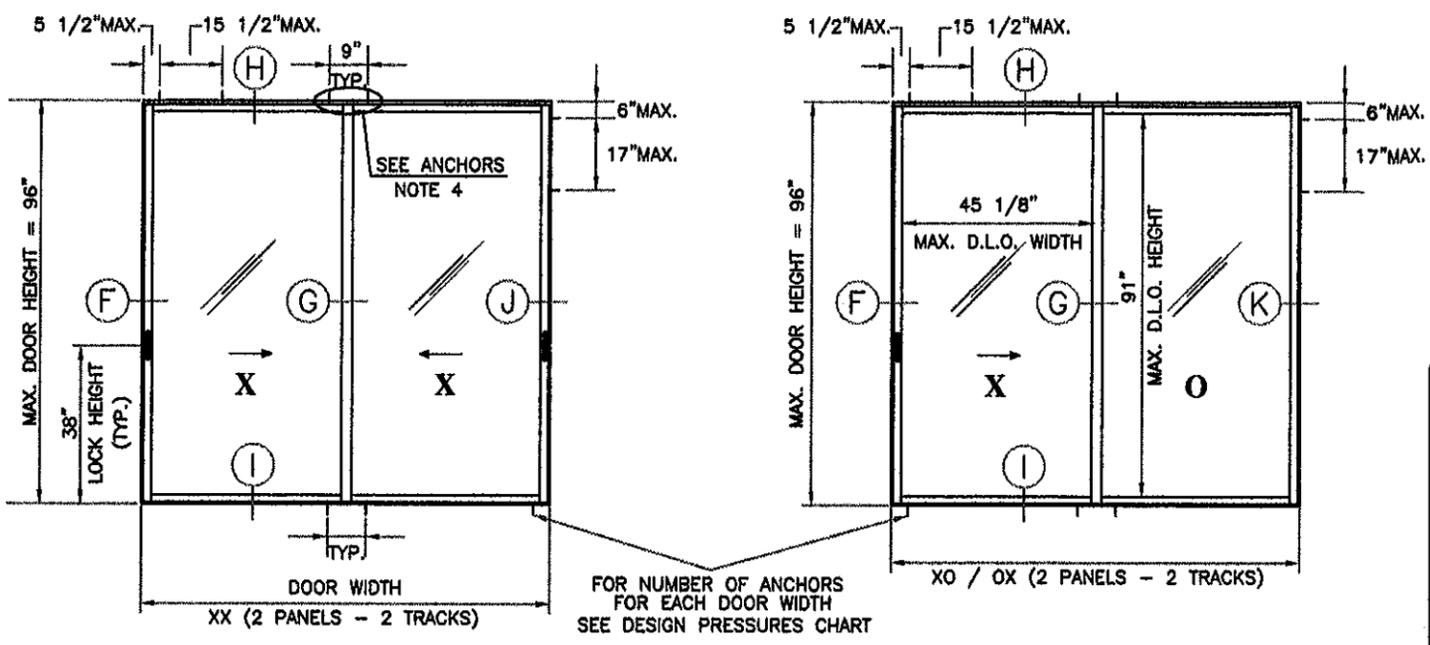
1. Statement letter of conformance, complying with FBC-2010, dated February 23, 2012, signed and sealed by Francisco Hernandez, P.E.
2. Statement letter of no financial interest, dated February 23, 2012, signed and sealed by Francisco Hernandez, P.E.
3. Laboratory compliance letter for Test Report No. **FTL-5442**, issued by Fenestration Testing Laboratory, Inc., dated 03/31/08, signed and sealed by Michael Wenzel, P.E. *(Submitted under previous NOA#08-0514.06)*
4. Laboratory compliance letter for Test Report No. **FTL-5443**, issued by Fenestration Testing Laboratory, Inc., dated 03/31/08, signed and sealed by Michael Wenzel, P.E. *(Submitted under previous NOA#08-0514.06)*

**G. OTHER**

1. Notice of Acceptance No. **08-0514.06**, issued to Sunshine Windows Manufacturing, Inc. for their Series 1600 Aluminum Sliding Glass Door – N.I., approved on 06/19/08 and expiring on 05/20/12.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 12-0228.22

Expiration Date: May 20, 2017  
Approval Date: May 03, 2012



## DESIGN PRESSURES AND ANCHOR DISTRIBUTION CHART

PANEL NOMINAL DIMENSION IN INCHES		NUMBER OF ANCHORS 1/4" DIAMETER ULTRACON			DESIGN PRESSURE (PSF)				
					AT HEAD AND AT SILL (SEE ANCHORS NOTE 5.-)		3/16" TEMP. GLASS		1/4" TEMP. GLASS
WIDTH	HEIGHT	JAMB				EXT. (+)		INT. (-)	
			XX/OX	OXO	OXXO				
24	80	10	8	12	16	62.0	115.0	62.0	115.0
			12	18	24	62.0	100.0	62.0	100.0
			12	18	24	62.0	90.0	62.0	90.0
			16	24	32	62.0	75.0	62.0	75.0
24	96	12	8	12	16	62.0	110.0	62.0	110.0
			12	18	24	62.0	90.0	62.0	90.0
			12	18	24	62.0	80.0	62.0	80.0
			16	24	32	62.0	73.0	62.0	73.0
24	80	10	8	12	16	80.0	115.0	90.0	115.0
			12	18	24	80.0	100.0	90.0	100.0
			12	18	24	80.0	90.0	90.0	90.0
			16	24	32	75.0	75.0	75.0	75.0
24	96	12	8	12	16	80.0	110.0	90.0	110.0
			12	18	24	80.0	90.0	90.0	90.0
			12	18	24	80.0	80.0	80.0	80.0
			16	24	32	73.0	73.0	73.0	73.0

**ANCHOR INSTALLATION NOTES:**

- 1.- DOUBLE ROW AT 5 1/2" MAX. FROM CORNERS AND 15 1/2" O.C. MAX. AT HEAD AND AT SILL.
- 2.- DOUBLE ROW AT 6" MAX. FROM CORNERS AND 17" O.C. MAX. AT JAMBS.
- 3.- USE 1/4"Ø ULTRACON PHILLIPS FLAT HEAD ANCHOR BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE/MASONRY AND 1 1/2" MIN. INTO WOOD.  
MIN. EDGE DISTANCE OF 2 1/2" INTO CONCRETE/MASONRY AND 1" INTO WOOD.
- 4.- ANCHOR CLUSTERS AT INTERLOCKS:
  - a.- ULTRACONS INSTALLED INTO CONCRETE: INSTALL CLUSTERS OF 4 ANCHORS AT EACH INTERLOCK AT HEAD AND AT SILL (ONE PAIR AT EACH SIDE OF THE ASTRAGALS).
  - b.- ULTRACONS INSTALLED INTO WOOD STRUCTURE OR 2-BY MEMBERS: INSTALL CLUSTERS OF 5 ANCHORS AT EACH INTERLOCK AT HEAD AND AT SILL (ONE PAIR AT EACH SIDE OF THE ASTRAGALS AND ONE ANCHOR AT THE CENTERLINE OF THE INTERLOCK).
- 5.- ANCHOR QUANTITIES SHOWN ON THE TABLE WERE DETERMINED BASED UPON 4-ANCHOR CLUSTERS FOR INSTALLATION INTO CONCRETE. FOR UNITS INSTALLED ON WOOD STRUCTURES OR 2-BY MEMBERS, THE ANCHOR QUANTITIES SHALL BE INCREASED ADDING 2 ANCHORS PER ASTRAGAL.

**GENERAL NOTES:**

THIS PRODUCT MEETS THE REQUIREMENTS OF THE 2010 FLORIDA BUILDING CODE.  
 MIAMI DADE COUNTY APPROVED SHUTTERS ARE REQUIRED.  
 REFERENCES: TESTS REPORTS FTL-5442 AND FTL-5443.  
 USE PANEL DIMENSIONS IN DESIGN PRESSURES CHART FOR ALL DOOR CONFIGURATIONS.

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

**SERIES 1600  
ALUMINUM SLIDING GLASS DOOR**

Drawn By: **NM**  
 Date: **02-21-12**  
 Scale: \_\_\_\_\_  
 Revision: \_\_\_\_\_  
 Revision: \_\_\_\_\_

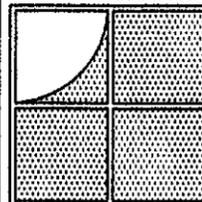
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**SGD08-01**

SHEET  
**1 OF 5**

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No **12-0228-22**  
 Expiration Date **MAY 20, 2017**

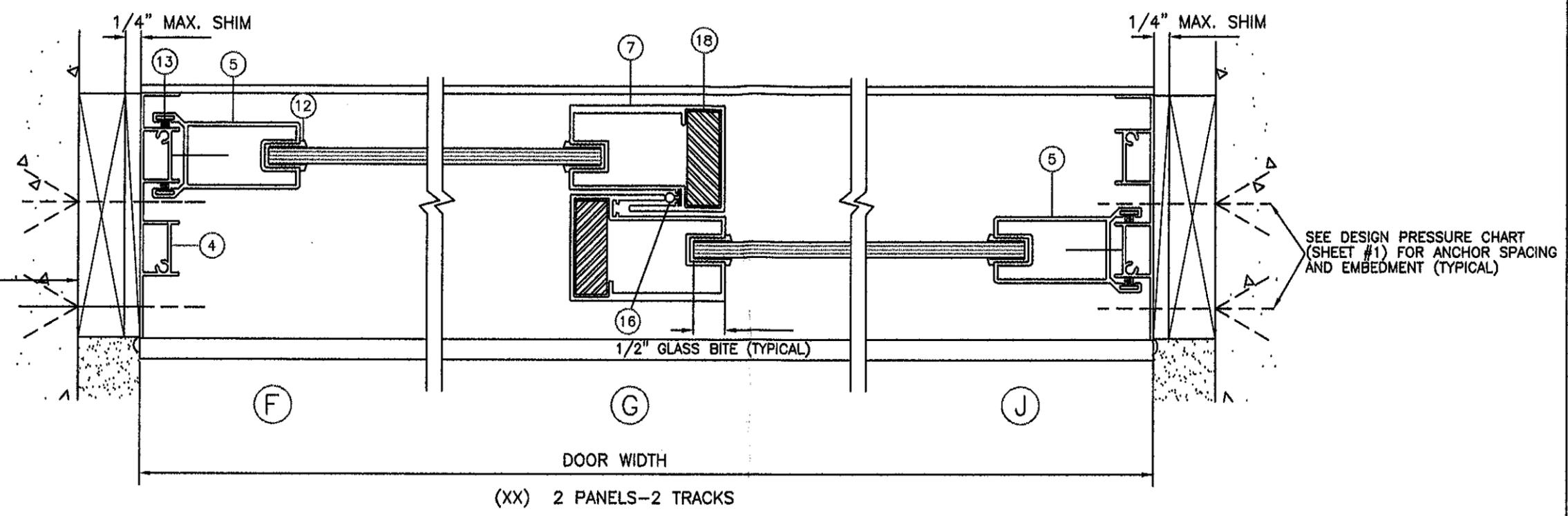
By *Manuel Perez*  
Miami/Dade Product Control

*Francisco Hernandez*  
4-20-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393



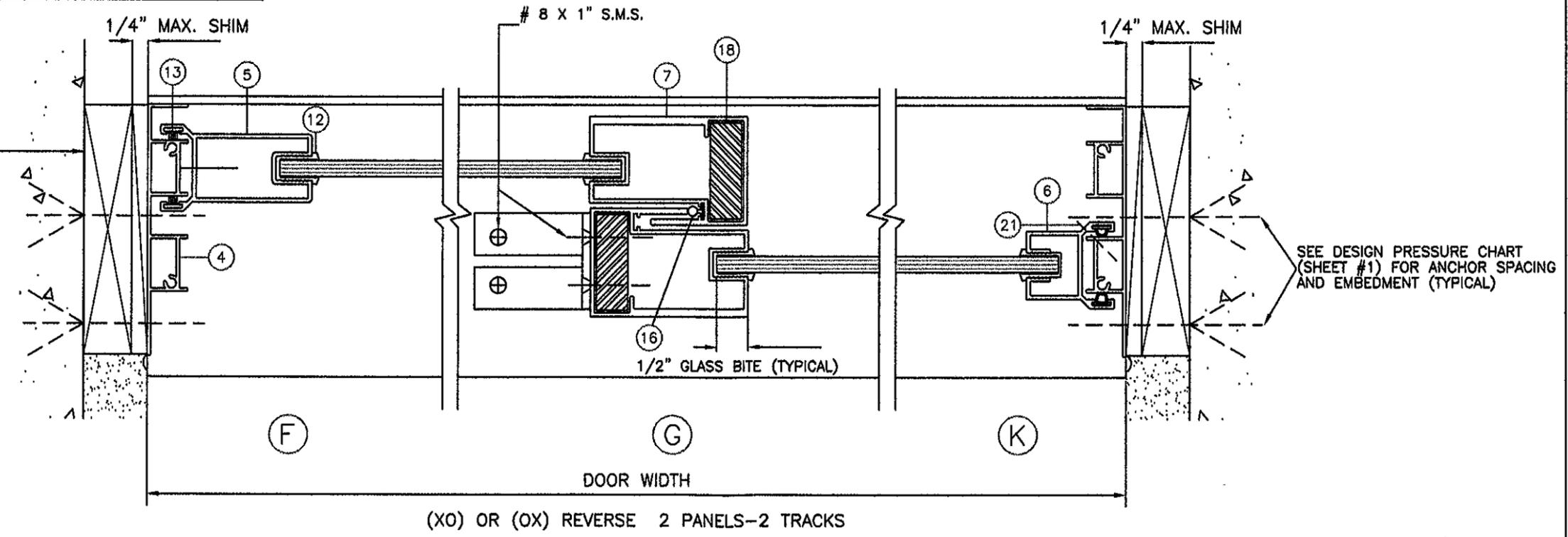
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SERIES 1600  
ALUMINUM SLIDING GLASS DOOR



SEE DESIGN PRESSURE CHART  
(SHEET #1) FOR ANCHOR SPACING  
AND EMBEDMENT (TYPICAL)

1 BY OR 2 BY WOOD BUCK NOT BY SUNSHINE WINDOWS  
MUST SUSTAIN IMPOSED LOADS BY GLAZING SYSTEM



SEE DESIGN PRESSURE CHART  
(SHEET #1) FOR ANCHOR SPACING  
AND EMBEDMENT (TYPICAL)

HORIZONTAL SECTIONS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 12-0228.22  
Expiration Date ~~May 20, 2017~~  
By *Manuel Perez*  
Miami Dade Product Control

*Francisco Hernandez*  
4-30-12  
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

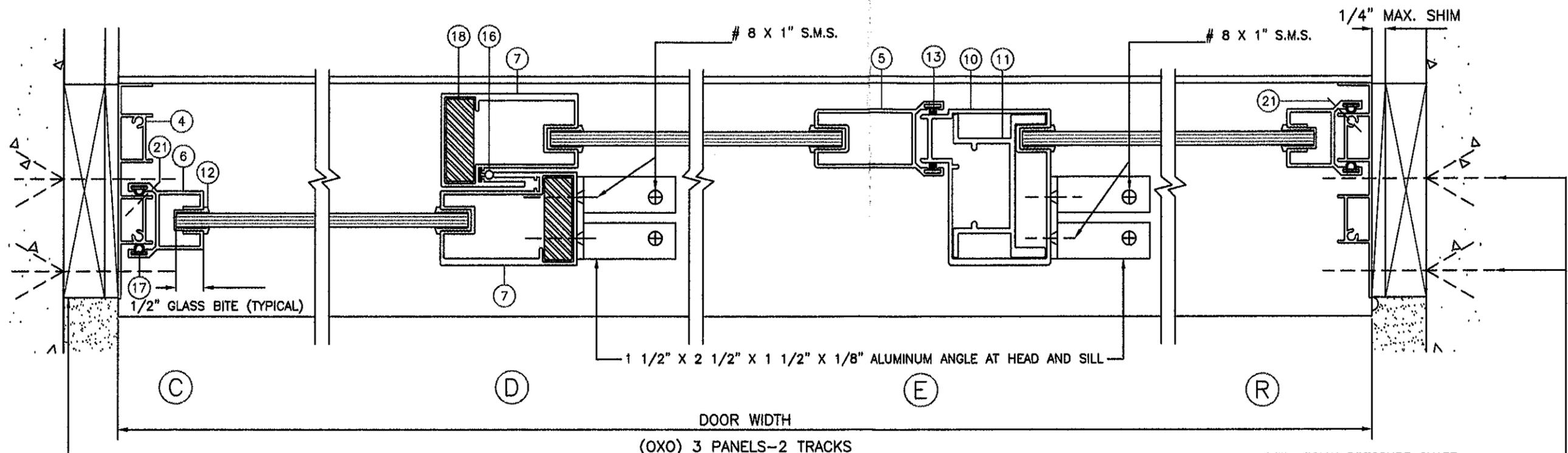
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Revision:

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SGD08-01

SHEET  
2 OF 5

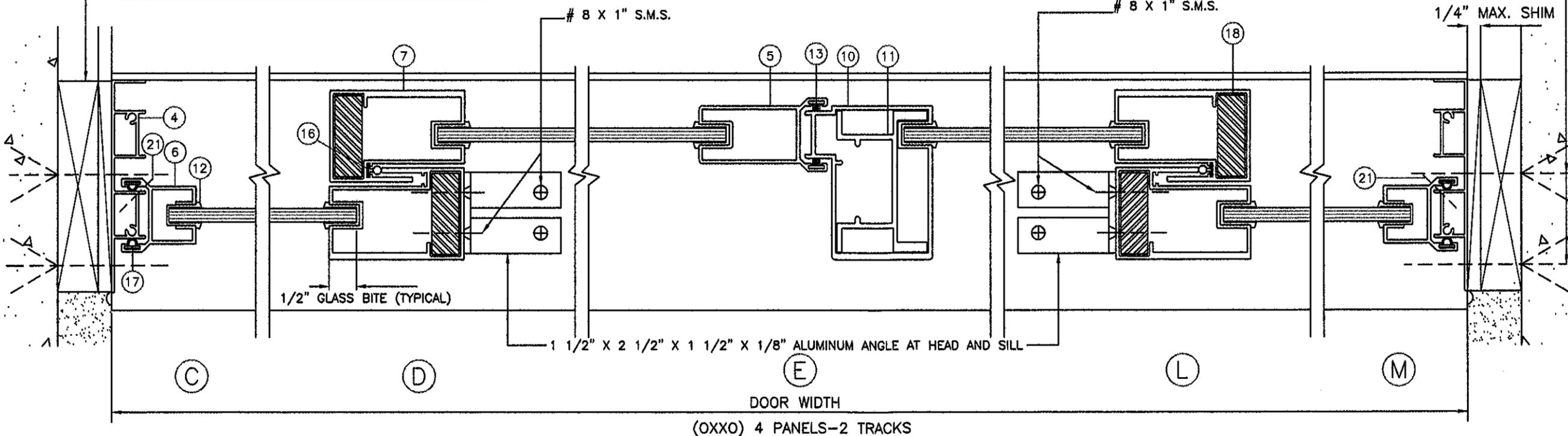
Sunshine Windows Manufacturing, Inc.  
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SEE DESIGN PRESSURE CHART (SHEET #1) FOR ANCHOR SPACING AND EMBEDMENT (TYPICAL)

1 BY OR 2 BY WOOD BUCK NOT BY SUNSHINE WINDOWS MUST SUSTAIN IMPOSED LOADS BY GLAZING SYSTEM



HORIZONTAL SECTIONS

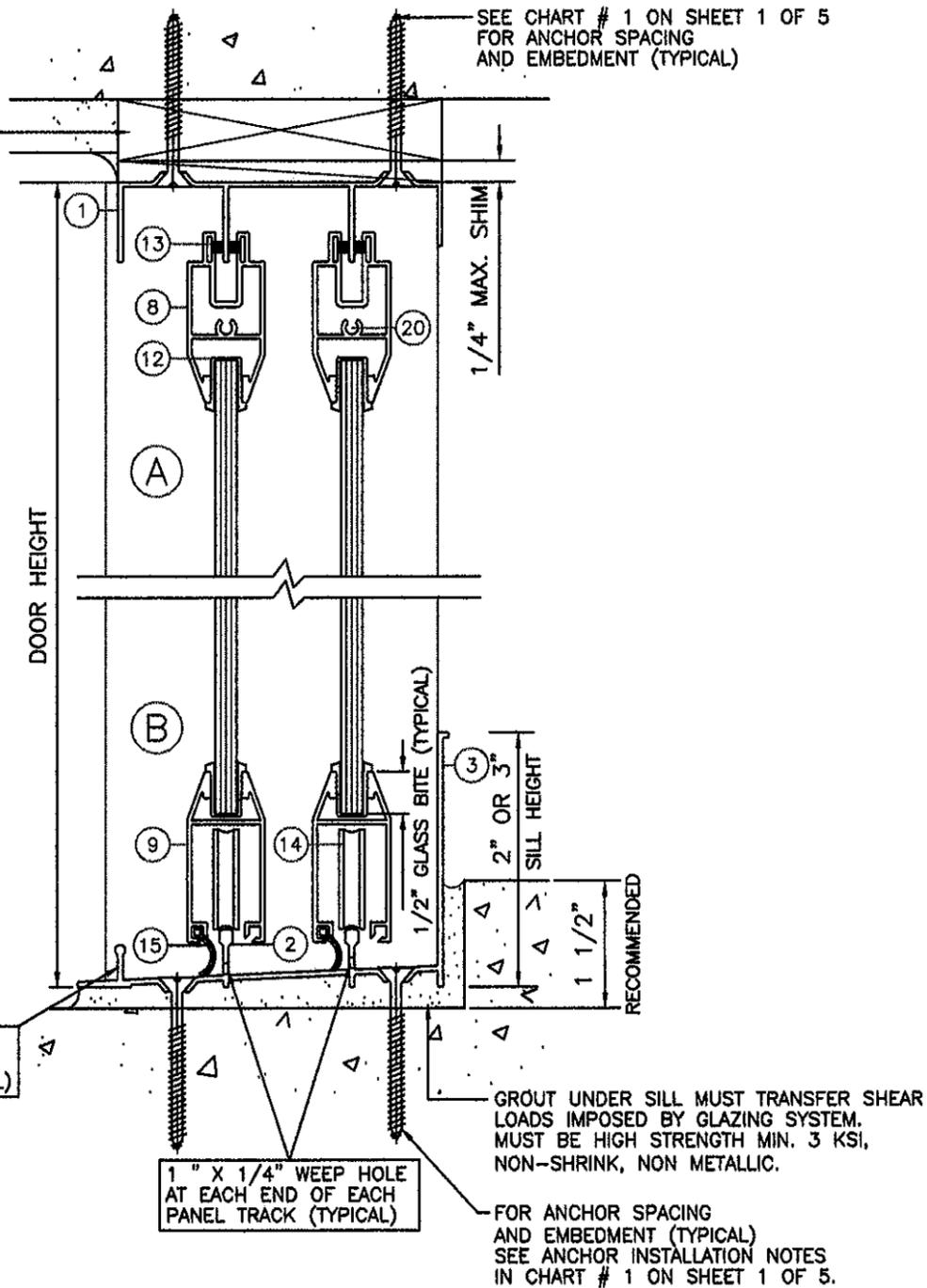
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 By *Manuel Perez*  
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 Date: 02-21-12  
 Scale: 1/2"=1'  
 Revision: \_\_\_\_\_  
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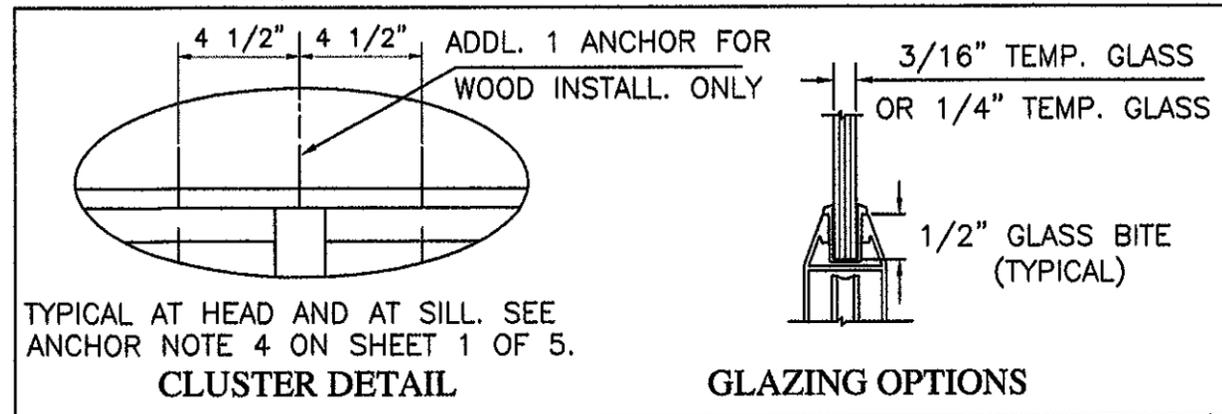
DRAWING NO.  
 SGD08-01  
 SHEET  
 3 OF 5

1 BY OR 2 BY WOOD BUCK NOT BY SUNSHINE WINDOWS  
MUST SUSTAIN IMPOSED LOADS BY GLAZING SYSTEM



VERTICAL SECTION

MATERIAL LIST				
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL
1	SW-002	1	2 TRACKS HEAD	6063-T5
2	SSW-0015	1	2 TRACKS SILL	6063-T5
3	SSW-0002	1	2 TRACKS HI-RISE SILL	6063-T5
4	SW-001	2	2 TRACKS JAMB	6063-T5
5	SW-006	AS REQ'D	LOCK STILE	6063-T5
6	SW-007	AS REQ'D	FIXED STILE	6063-T5
7	SW-41674	AS REQ'D	HD INTERLOCK	6063-T6
8	SW-005	1/PANEL	TOP RAIL	6063-T5
9	SW-004	1/PANEL	BOTTOM RAIL	6063-T5
10	SW-3781	AS REQ'D	HD FEMALE ASTRAGAL	6063-T5
11	SW-3782	AS REQ'D	STIFFENER FOR ASTRAGAL	6063-T5
12	SW-1254	AS REQ'D	3/16" GLAZING GASKET	VINYL. DUR. 75
	SW-1254	AS REQ'D	1/4" GLAZING GASKET	VINYL. DUR. 75
13	SW-1125	DOUBLE ROW	PILE WEATHER STRIP ULTRAFAB. # 250	POLYPROPYLENE
14	SW-628	2/PANEL	ROLLER & HOUSING REFLECTOR LIGHT #19-A-112-A	STEEL
15	SW-2227	SINGLE ROW	FLAP WEATHER STRIP WYBORG # 3725/WV-2227	VINYL
16	SW-3257	SINGLE ROW	BULB WEATHER STRIP WYBORG # 470-12/WV-3257	VINYL
17	SW-3082	DOUBLE ROW	BULB WEATHER STRIP WYBORG # 470-12/WV-3082	VINYL
18	SW-STEEL	1/INTERLOCK	1/2" X 1 1/2"	STEEL
19	SW-7130	1/LOCKSTILE	FLUSH MOUNT METALIC HOOK LOCK DECO # 619218K20	ZINC
20	SW-AS	AS REQ'D	ASSEMBLY SCREWS	#8 X 1"
21	SW-FP	AS REQ'D	PAN SELF DRILLING	SMS #8 X 1"



TYPICAL AT HEAD AND AT SILL. SEE ANCHOR NOTE 4 ON SHEET 1 OF 5.  
CLUSTER DETAIL

GLAZING OPTIONS

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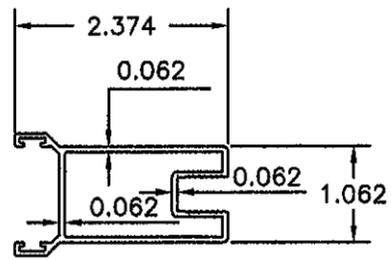
SERIES 1600  
ALUMINUM SLIDING GLASS DOOR

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Revision:

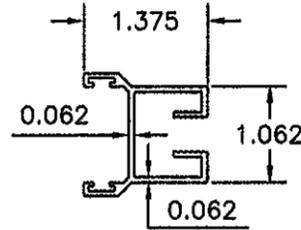
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SGD08-01  
SHEET  
4 OF 5

PRODUCT REVISED  
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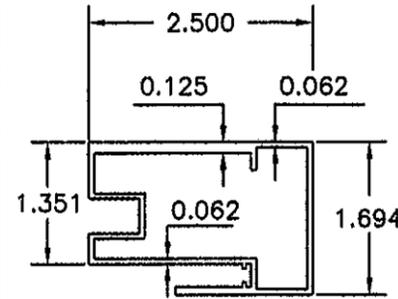
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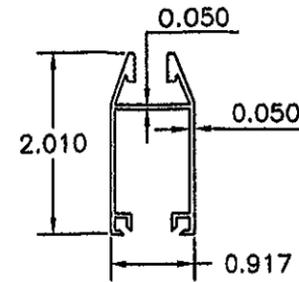
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SW-006  
6063-T5



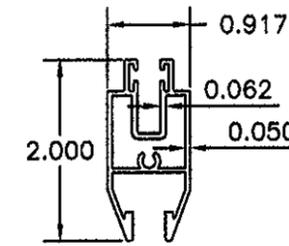
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SW-007  
6063-T5



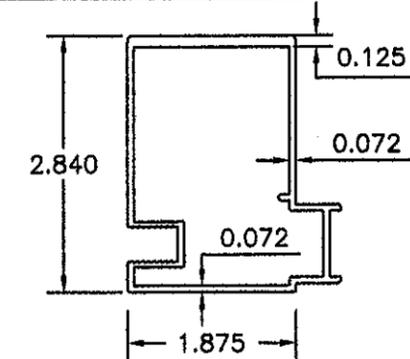
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6063-T6



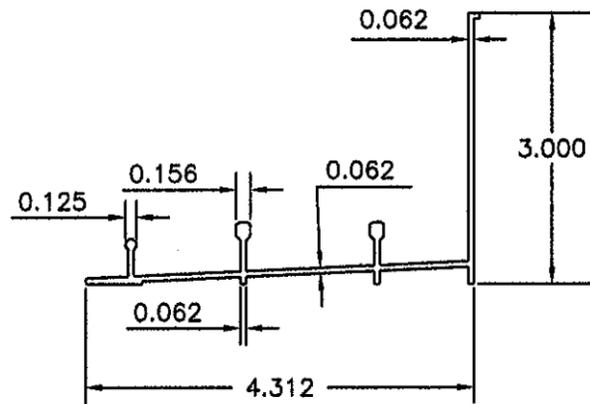
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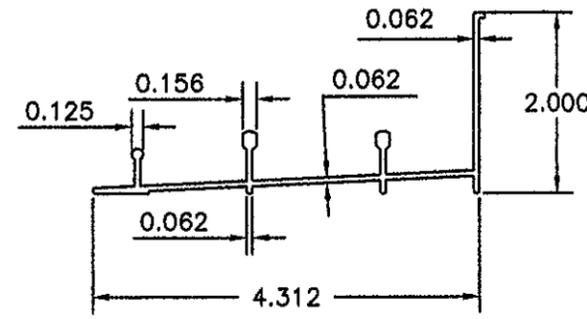
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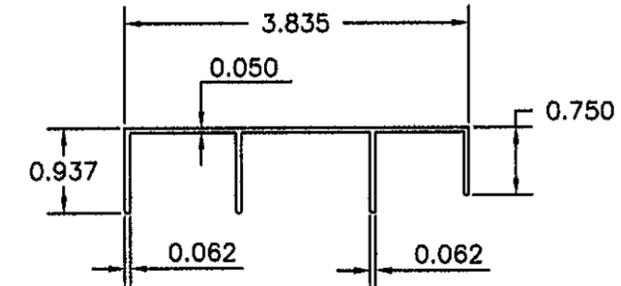
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SW-3781  
6063-T5



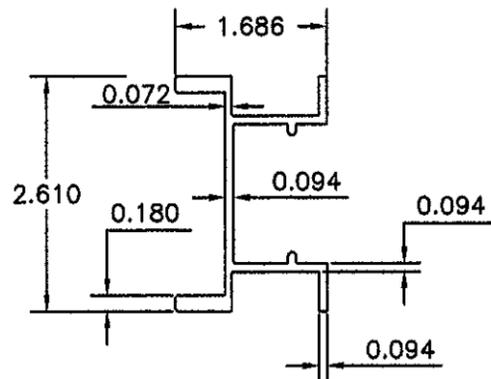
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SSW-0002  
6063-T5



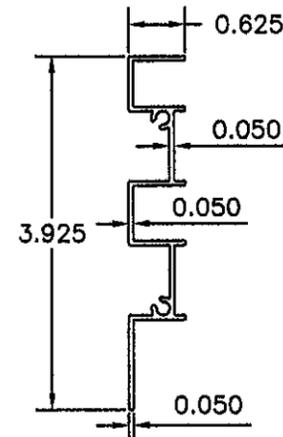
2T SILL  
SSW-0015  
6063-T5



2T HEAD  
SW-002  
6063-T5



STIFFENER FOR FEMALE ASTRAGAL  
SW-3782  
6063-T5



2T JAMB  
SW-001  
6063-T5

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SERIES 1600  
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Revision: \_\_\_\_\_

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SGD08-01

SHEET  
5 OF 5