



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

NOTICE OF ACCEPTANCE (NOA)

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

Sunshine Windows Manufacturing, Inc.

1745 W. 33rd 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 "2009-9H/3D-3T" Aluminum Sliding Glass Door w/ Reinforcements-L.M.I.

APPROVAL DOCUMENT: Drawing No: **SGD 09-15 Rev 1**, titled "Series 2009-9H/3D-3T Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 12 of 12, prepared by manufacturer, dated 02/14/16 and last revised on 12/15/17, 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

Limitations:

1. See Sheet **1** for Design Pressures and **Pairs** anchors requirements at frame jambs, intermediate anchors at head and sill (excluding cluster) and applicable to all sizes. See **Pairs** interlock/astragal clusters (Tot **6** or **8**-anchors) detail Head or sill in Conc. / Metal or Wood substrates in sheet **2**, applicable to all configurations in sheet **3**.
2. See sheets 4, 5 and 6 for full length steel reinforcement requirements at interlocks/astragal for frame height equal or greater than 96". Fix panel jamb full length clip item #26 to be secured with (2) item #25 from 4" corner and 15" OC. Additionally fixed panels at interlocks to be secured with retainer clips item #23 at top/bottom.
3. Head & sill installation is limited into concrete (1/4" max shim) & jambs may be into conc. or grouted masonry blocks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 # 16-0317.04** and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



NOA No. 17-1226.15
Expiration Date: November 23, 2021
Approval Date: February 22, 2018
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's die drawings and sections
2. Drawing No: **SGD 09-15**, titled "Series 2009-9H/3D-3T Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 12 of 12, prepared by manufacturer, dated 02/14/16 and last revised on 10-15-16, 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, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagrams of XXX (3-tracks) Alum sliding Glass doors, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-8235** dated 04/28/15, signed and sealed by Idalmis Ortega, P. E

along with additional referenced marked-up drawings and installation diagrams of OXXO & XOOO Alum sliding Glass doors, prepared by Fenestration Testing Lab, Inc., Test Report No. **FTL-7663** dated 07/10/14, signed and sealed by Idalmis Ortega, P. E.

Note: This test report has an addendum letter dated July 21, 2015, issued by Fenestration Testing lab.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC 2014, dated 03/06/16, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Glazing complies w/ ASTM-E-1300-02 & -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.** (Former E.I. DuPont DeNemours & Co.) for the "**SentryGlas® (Clear and White) Glass Interlayers**", expiring on 07/04/18.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(**5th Edition**) and letter of no financial interest, dated 03/06/16, prepared, signed and sealed by Francisco Hernandez, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER

1. Test proposal dated 03/06/14, approved by Jaime D. Gascon, P.E.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1226.15

Expiration Date: November 23, 2021

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted.

A. DRAWINGS

1. Drawing No: **SGD 09-15 Rev 1**, titled "Series 2009-9H/3D-3T Aluminum Sliding Glass Door (L.M.I.)", sheets 1 through 12 of 12, prepared by manufacturer, dated 02/14/16 and last revised on 12/15/17, signed and sealed by Francisco Hernandez, P.E.

Note: This revision consists of editorial FBC 2017 code related notes only.

B. CALCULATIONS

1. None

C. QUALITY ASSURANCE

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

D. MATERIAL CERTIFICATIONS

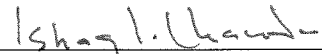
1. None

E. STATEMENTS

1. Statement letter of conformance to FBC 2017 (6th Edition) dated 12/16/17, prepared, signed and sealed by Francisco Hernandez, P.E.
2. E-mail Statement letter of extent of DWG revision dated FEB 09, 2018, prepared, signed and sealed by Noel Martinez, Manager, Sun Shine Window Mfg., Inc.

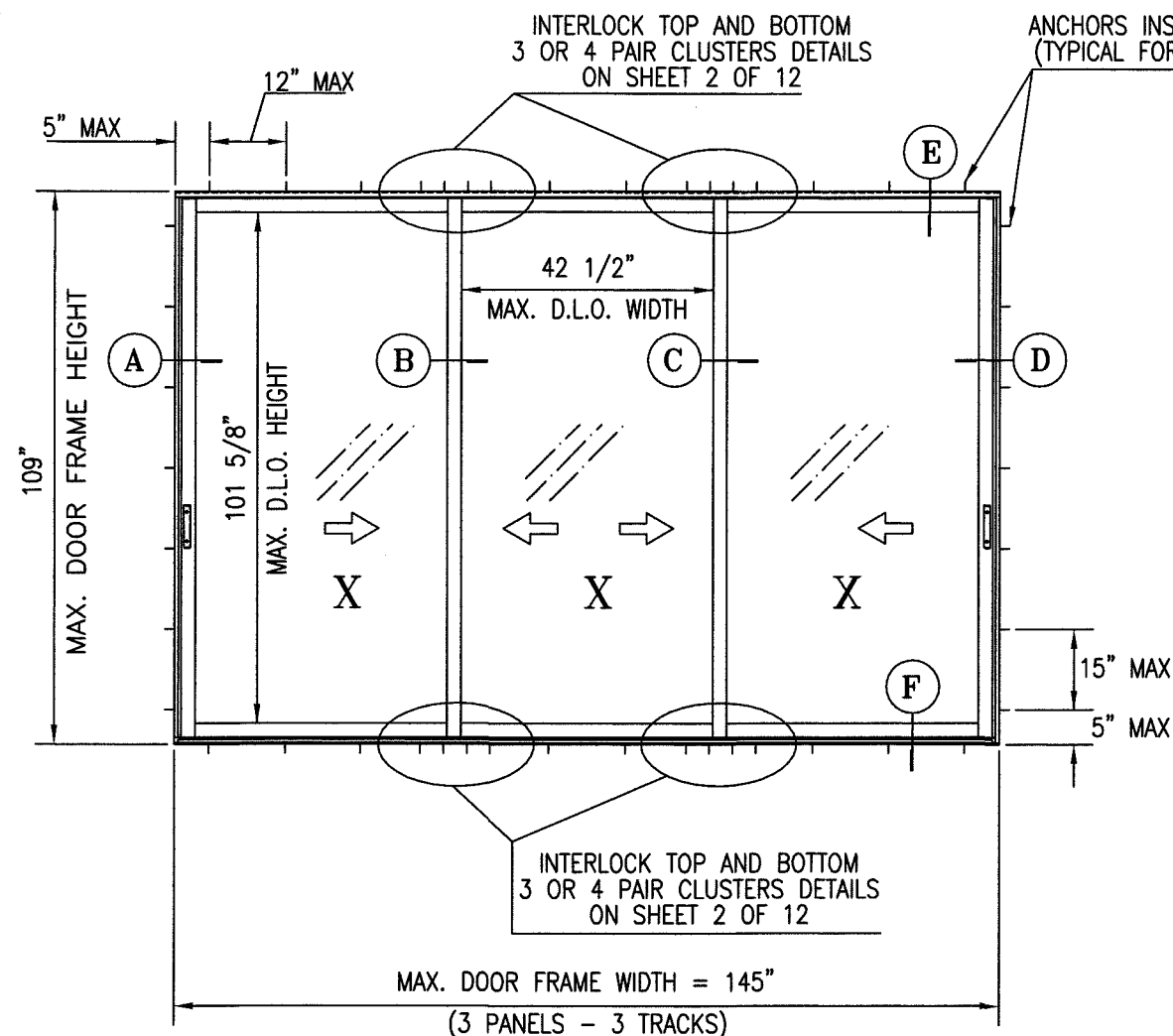
F. OTHER

1. This NOA revises NOA # **16-0317.04**, expiring 11/23/21.



Ishaq I. Chanda, P.E.
Product Control Examiner
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TYPICAL ELEVATION

INDEX OF DRAWINGS

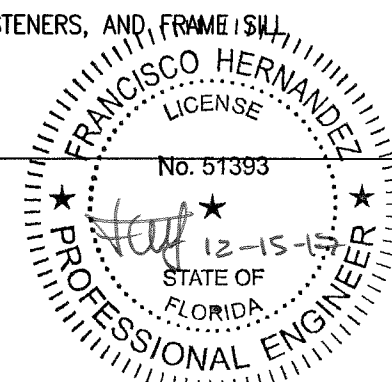
- 1 OF 12.- TYPICAL ELEVATION, GENERAL NOTES AND INDEX OF DRAWINGS.
- 2 OF 12.- DESIGN PRESSURES CHART AND ANCHOR CLUSTER DETAILS.
- 3 OF 12.- ELEVATIONS OF APPROVED CONFIGURATIONS.
- 4 OF 12.- HORIZONTAL SECTION - XXX CONFIGURATION.
- 5 OF 12.- HORIZONTAL SECTION - XXO OR OXX CONFIGURATION.
- 6 OF 12.- HORIZONTAL SECTION - XOO OR OOX CONFIGURATION.
- 7 OF 12.- VERTICAL SECTIONS.
- 8 OF 12.- TYPICAL SECTIONS AT HEAD.
- 9 OF 12.- TYPICAL SECTIONS AT JAMBS.
- 10 OF 12.- TYPICAL SECTIONS AT SILL.
- 11 OF 12.- GLAZING DETAIL, FRAME AND PANEL CORNER DETAILS.
- 12 OF 12.- BILL OF MATERIALS AND PARTS DETAIL.

TYPICAL ELEVATION, GENERAL NOTES AND INDEX OF DRAWINGS.

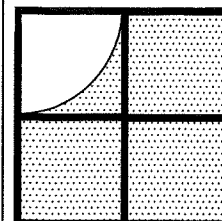
GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014) AND FBC 6TH EDITION (2017).
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- REFERENCE TEST REPORT FTL-8235 DATED ON 04/28/2015.
- 4.- FOR ANCHOR TYPE AND SPACING REFER TO ELEVATIONS OF APPROVED CONFIGURATIONS ON SHEET 3 OF 12, CLUSTER DETAILS ON SHEET 2 OF 12, AND TYPICAL SECTIONS ON SHEETS 8, 9 AND 10 OF 12.
- 5.- 1"X OR 2"X 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 NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE SOUTHERN YELLOW PINE G = 0.55 OR GREATER DENSITY AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 7.- CONCRETE (HEAD/ JAMB/ SILL) / MASONRY (JAMBS) STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
 - CONCRETE STRENGTH $F_c'28 = 3000$ PSI MIN.
 - FILLED 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.- STEEL HOST STRUCTURE NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL NOT BE LESS THAN 1/8" THICK. STEEL SHALL BE A-36 $F_y = 36$ KSI MIN. STEEL STRUCTURE SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 9.- 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.
- 10.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC.
- 11.- SURFACE APPLIED COLONIAL FALSE 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 BY KURARAY AMERICA, INC..
- 14.- GLASS SHALL PENETRATE 0.777" INTO THE ALUMINUM FRAME POCKET AND WILL BE SECURED WITH DOW 795 SILICONE SEALANT ON THE INTERIOR.(SEE GLAZING DETAIL ON SHEET 11 OF 12).
- 15.- DOOR SIZES SHALL COMPLY WITH EGRESS REQUIREMENTS OF FBC.
- 16.- INTERIOR PERIMETER OF FRAME, FRAME CORNER, PANEL SEAMS, FRAME ASSEMBLY FASTENERS, AND FRAME/SILL AND FRAME JAMBS INSTALLATION FASTENERS TO BE SEALED.

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 11/12/2021
E. Khogal, Owner
Miami Beach Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

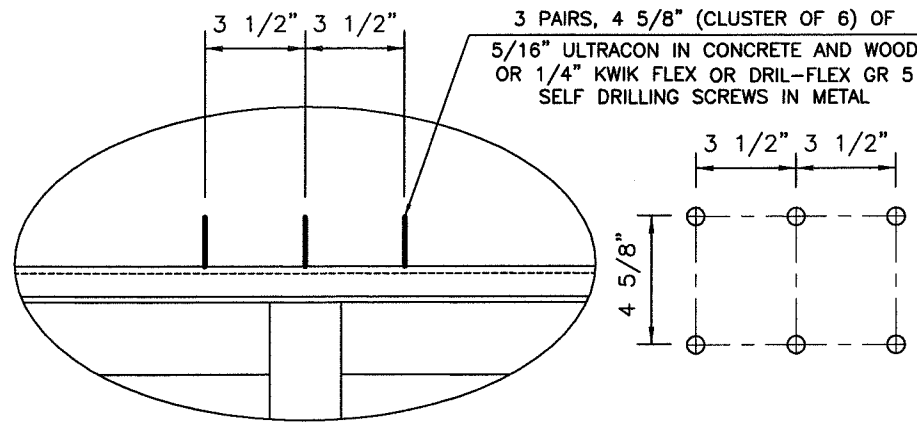


Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax:(305)828-5118

SERIES 2009-9H / 3D-3T ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT GLASS

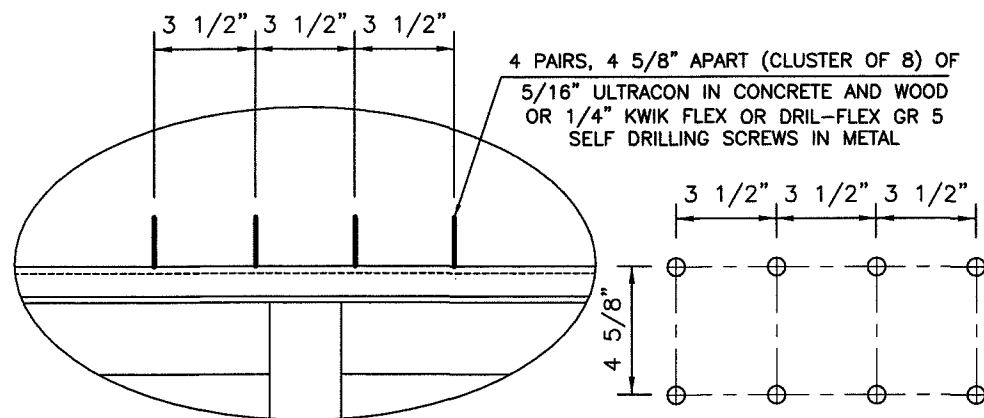
NO	DATE	REVISION
1	12-15-17	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)

DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 1 OF 12



(CLUSTER OF 3 PAIRS OF ANCHORS)

TYPICAL AT INTERLOCK HEAD AND SILL.



(CLUSTER OF 4 PAIRS OF ANCHORS)

TYPICAL AT INTERLOCK HEAD AND SILL.

DETAIL OF ANCHOR CLUSTER AT TOP AND BOTTOM OF INTERLOCK

ANCHORS* SHALL BE AS FOLLOWS:

- 5/16" ϕ ULTRACON BY ELCO WITH 1 3/4" MIN. EMBEDMENT INTO CONCRETE.
- 5/16" ϕ ULTRACON BY ELCO WITH 1 1/2" MIN. PENETRATION INTO WOOD.
- 1/4" ϕ KWIK-FLEX BY HILTI OR DRIL-FLEX BY ELCO GR 5 SELF DRILLING SCREWS THROUGH METAL.

* SEE ANCHOR NOTES ON THIS SHEET AND GENERAL NOTES 4 THROUGH 6 ON SHEET 1 OF 12

DESIGN PRESSURES CHART

UNIT DIMENSION IN INCHES		NUMBER OF PAIR OF ANCHORS AT JAMBS	DESIGN PRESSURES WITH 3 PAIRS OF ANCHORS (CLUSTER OF 6) AT HEAD AND SILL OF ALL INTERLOCKS								DESIGN PRESSURES WITH 4 PAIRS OF ANCHORS (CLUSTER OF 8) AT HEAD AND SILL OF ALL INTERLOCKS							
			DESIGN PRESSURES WITH 2 3/4" SILL HEIGHT				DESIGN PRESSURES WITH 4" SILL HEIGHT				DESIGN PRESSURES WITH 2 3/4" SILL HEIGHT				DESIGN PRESSURES WITH 4" SILL HEIGHT			
			ATTACHMENT TO CONCRETE AND METAL (PSF)		ATTACHMENT TO WOOD (PSF)		ATTACHMENT TO CONCRETE AND METAL (PSF)		ATTACHMENT TO WOOD (PSF)		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.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
81 1/8"	24	7	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	30		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	36		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	48		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
96"	24	8	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	30		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	36		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	48		65.00	80.00	65.00	78.73	80.00	80.00	78.73	78.73	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
109"	24	9	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	30		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	36		65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00
	48		65.00	71.37	65.00	66.62	71.37	71.37	66.62	66.62	65.00	80.00	65.00	80.00	80.00	80.00	80.00	80.00

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 ARE PERMITTED TO BE MULTIPLIED BY 0.6 FOR COMPARISON BETWEEN THE ACTING WIND LOADS AND THE DESIGN PRESSURE OF THE UNITS.

PANEL HEIGHT FORMULA

$$\text{PANEL HEIGHT} = \text{FRAME HEIGHT} - 1 \frac{1}{8}"$$

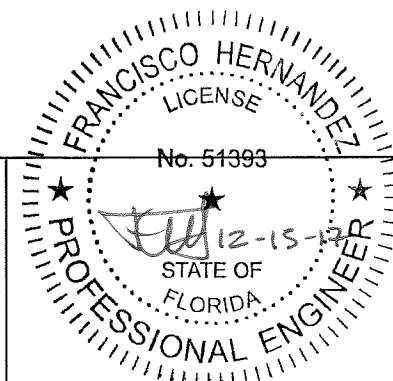
D.L.O. DIMENSION FORMULAS

- 1.- D.L.O. HEIGHT = FRAME HEIGHT - 7.38"
- 2.- D.L.O. WIDTH = (FRAME WIDTH - 17.5")/3

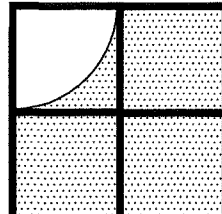
ANCHOR NOTES:

- 1.- MECHANICAL PROPERTIES OF 5/16" ULTRACON ANCHOR BY ELCO:
 - A.- YIELD STRENGTH (FY)= 155 KSI
 - B.- ULTIMATE TENSILE STRENGTH (FU)= 177 KSI
- 2.- MECHANICAL PROPERTIES OF 1/4" KWIK-FLEX SELF-DRILLING SCREW (GRADE 5) BY HILTI:
 - A.- YIELD STRENGTH (FY)= 92 KSI
 - B.- ULTIMATE TENSILE STRENGTH (FU)= 120 KSI
- 3.- MECHANICAL PROPERTIES OF 1/4" DRIL-FLEX SELF-DRILLING FASTENER (GRADE 5) BY ELCO:
 - A.- YIELD STRENGTH (FY)= 92 KSI
 - B.- ULTIMATE TENSILE STRENGTH (FU)= 120 KSI

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 11/23/21
Francisco Hernandez
Product Control



FRANCISCO HERNANDEZ
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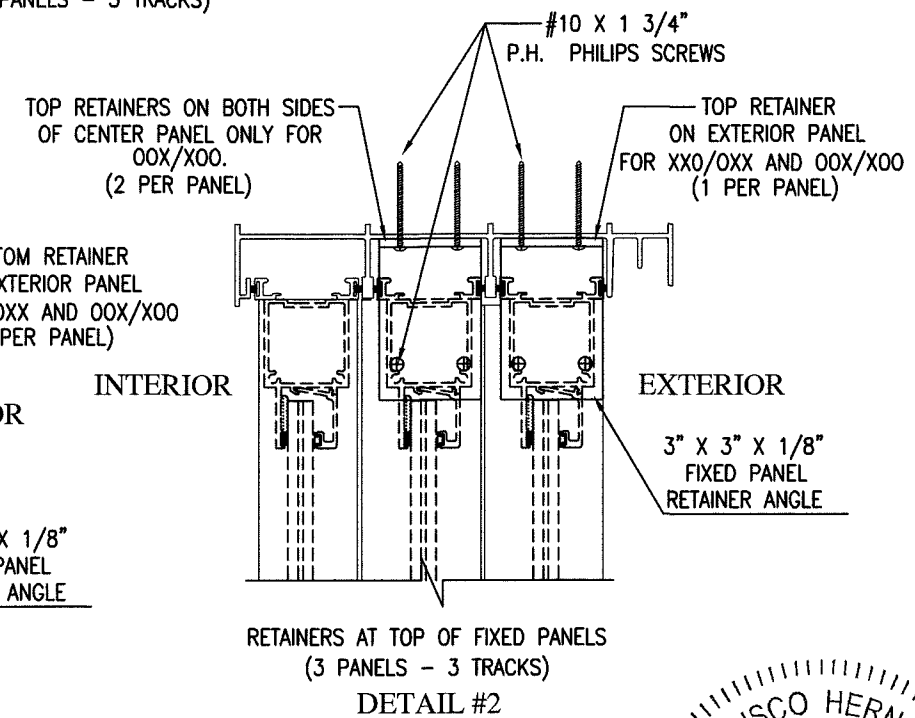
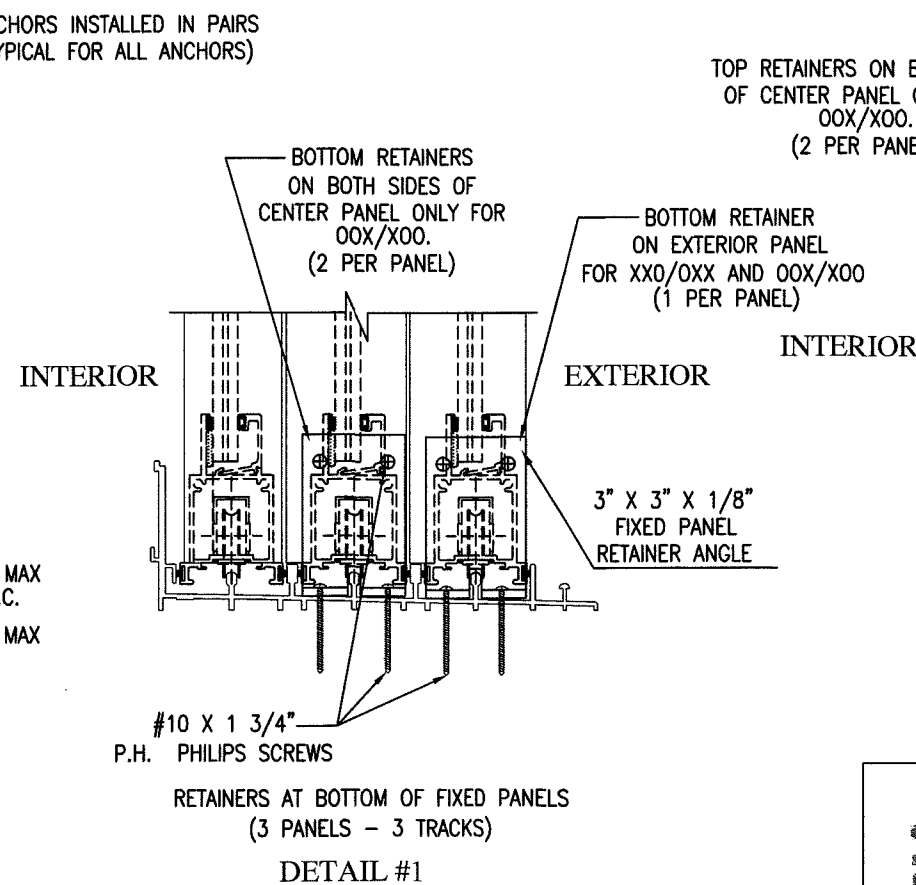
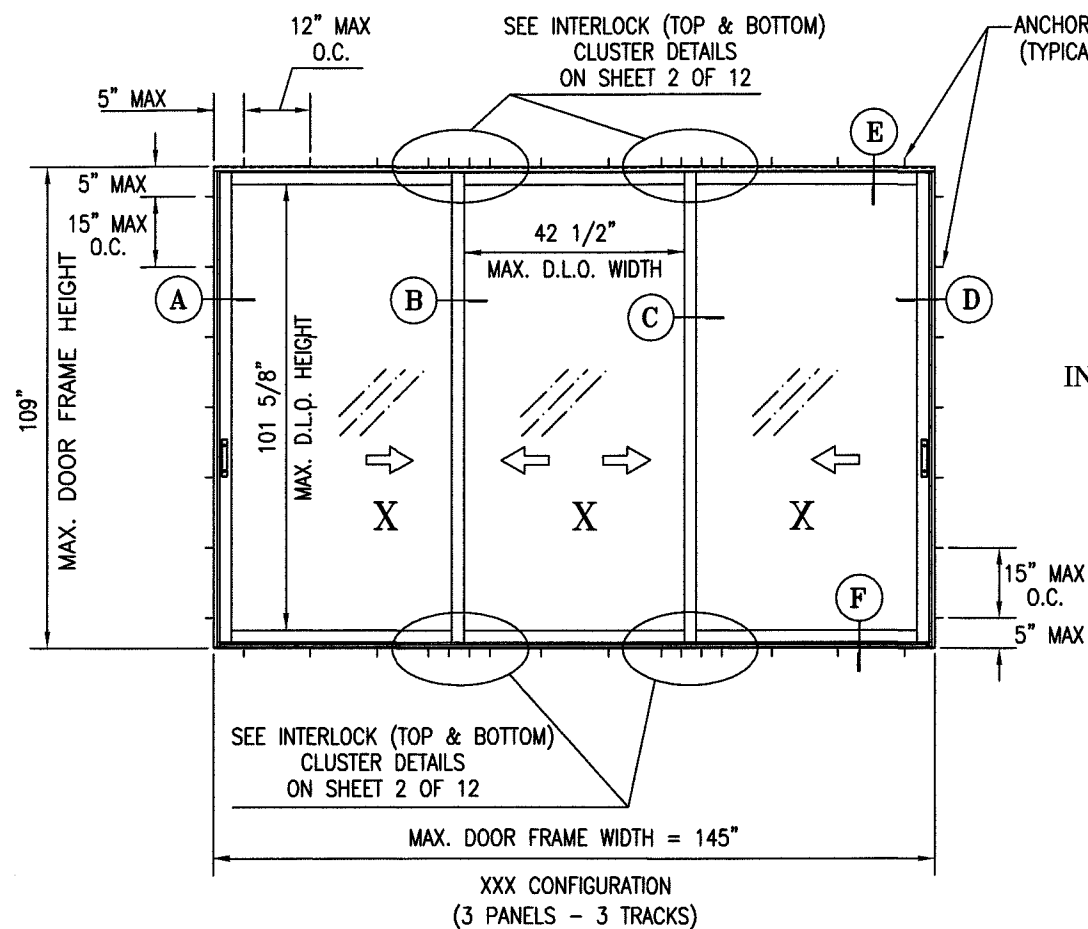
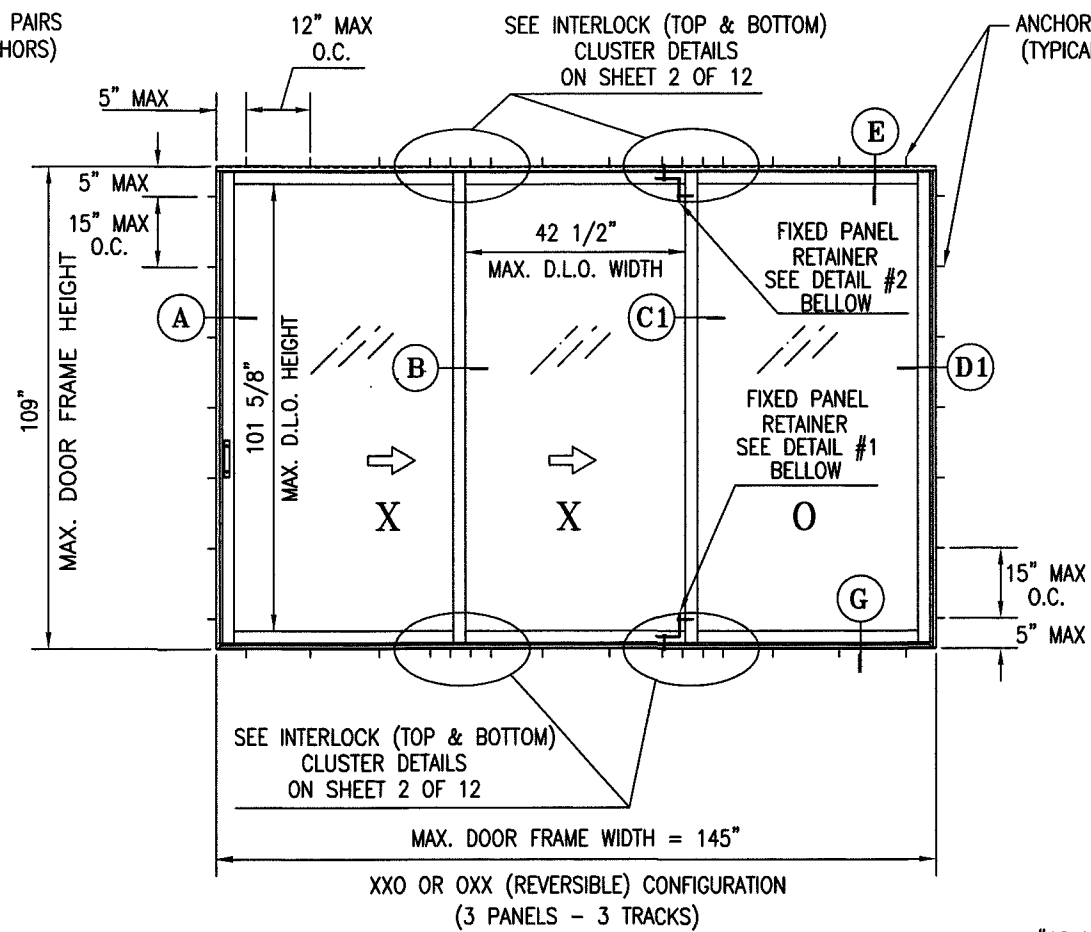
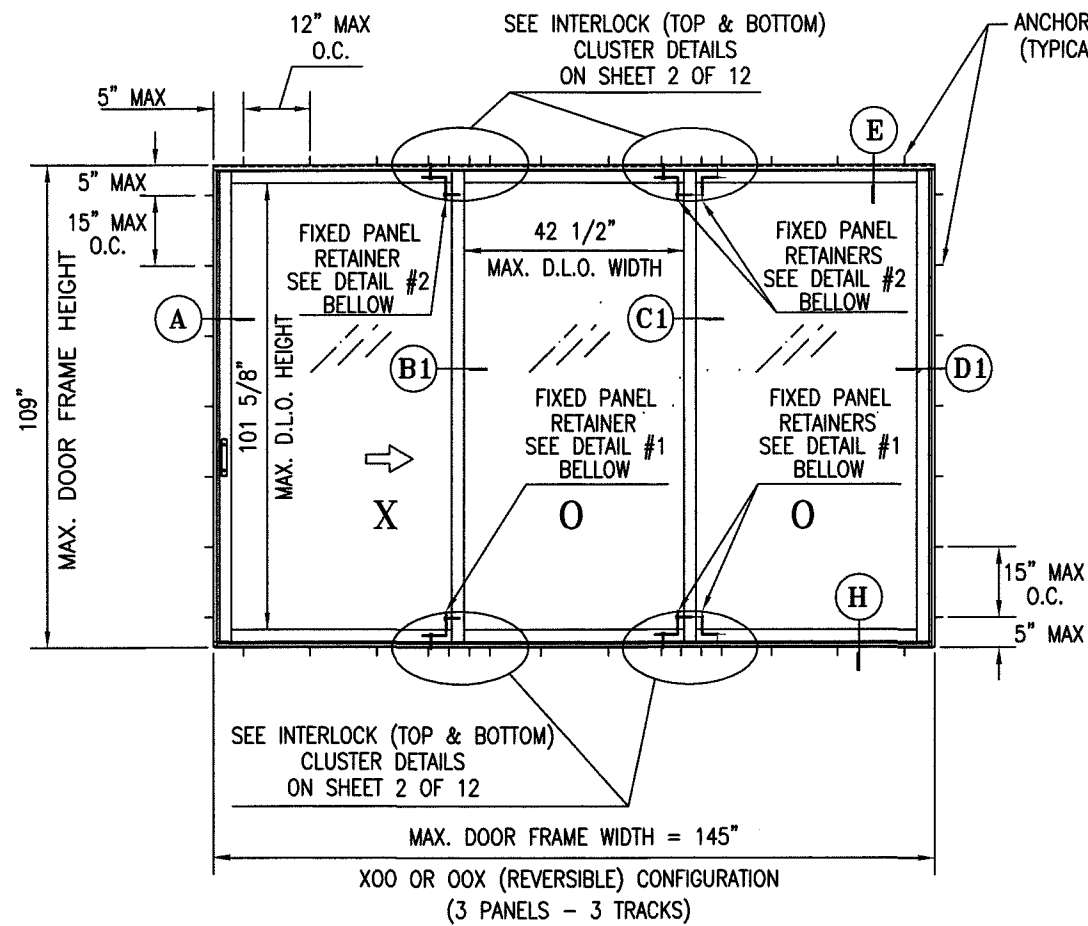
SERIES 2009-9H / 3D-3T ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT GLASS

DATE	REVISION	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)
No. 1	12-15-17	

DRAWING No.
SGD09-15
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SHEET 2 OF 12

DESIGN PRESSURES CHART AND ANCHOR CLUSTER DETAILS



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ALUMINUM SLIDING GLASS DOOR
IMPACT RESISTANT GLASS

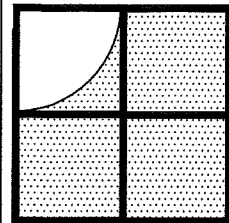
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DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 3 OF 12

ELEVATIONS OF APPROVED CONFIGURATIONS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No.
Expiration Date

FRANCISCO HERNANDEZ
LICENSE
No. 51393
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

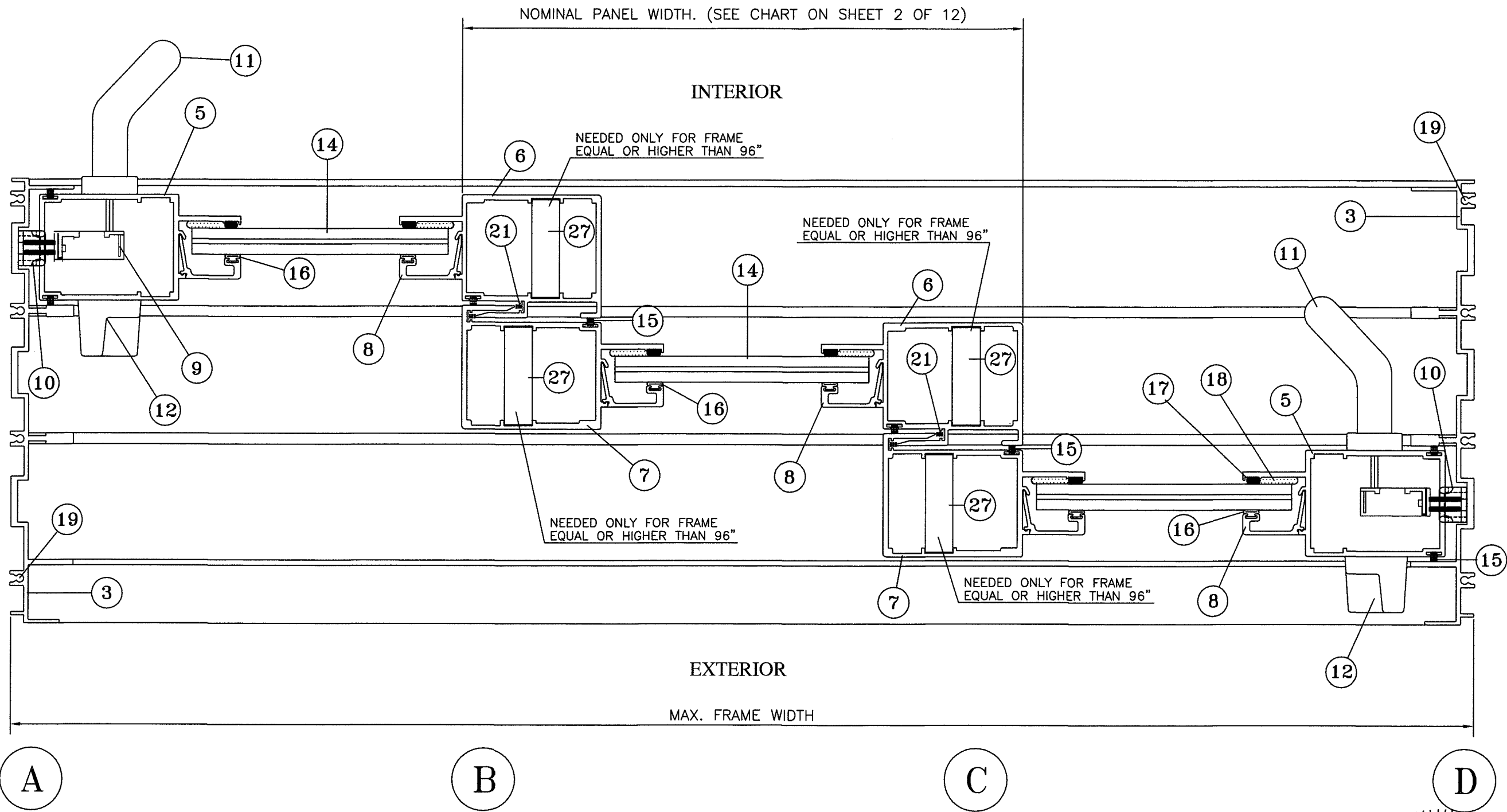


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ALUMINUM SLIDING GLASS DOOR
IMPACT RESISTANT GLASS

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DRAWING No.
SGD09-15
DATE: 02/14/16
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SHEET 4 OF 12

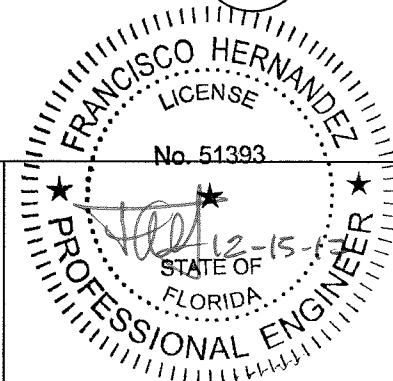


XXX (3 PANELS - 3 TRACKS)
(SEE INSTALLATION ON SHEETS 8 THROUGH 10)

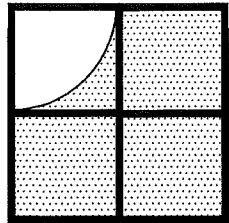
HORIZONTAL SECTION

FOR INSTALLATION DETAILS SEE SHEETS 8 THRU 10

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 11/23/21
By: [Signature]
Title: Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

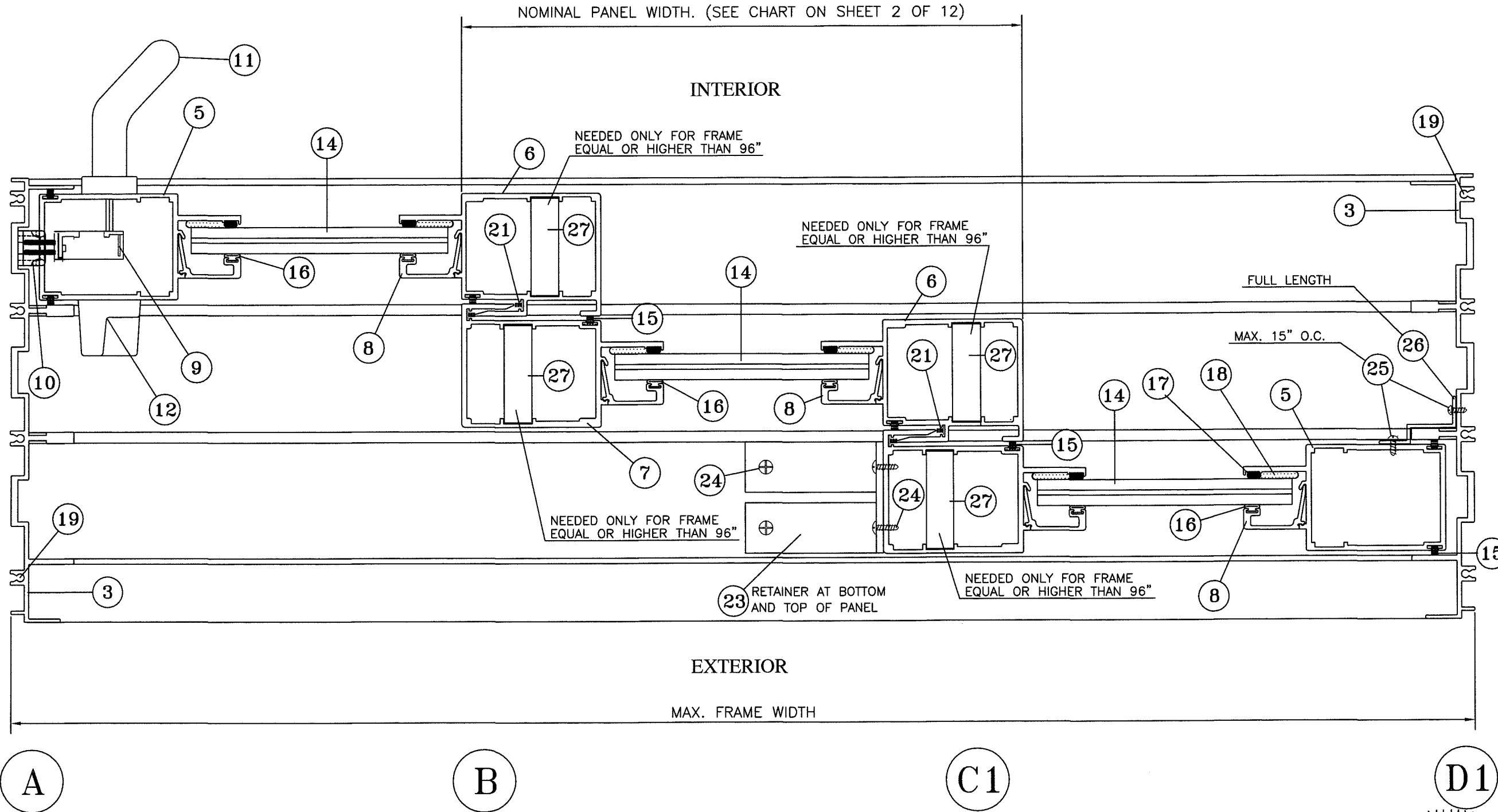


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IMPACT RESISTANT GLASS

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SCALE: NTS
SHEET 5 OF 12



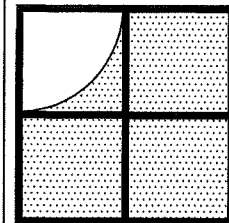
XXO OR OXX REVERSIBLE (3 PANELS - 3 TRACKS)
(SEE INSTALLATION ON SHEETS 8 THROUGH 10)

HORIZONTAL SECTION

FOR INSTALLATION DETAILS SEE SHEETS 8 THRU 10

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 11/23/21
By: [Signature]
Miami Back Product Control

FRANCISCO HERNANDEZ
LICENSE
No. 51393
12-15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

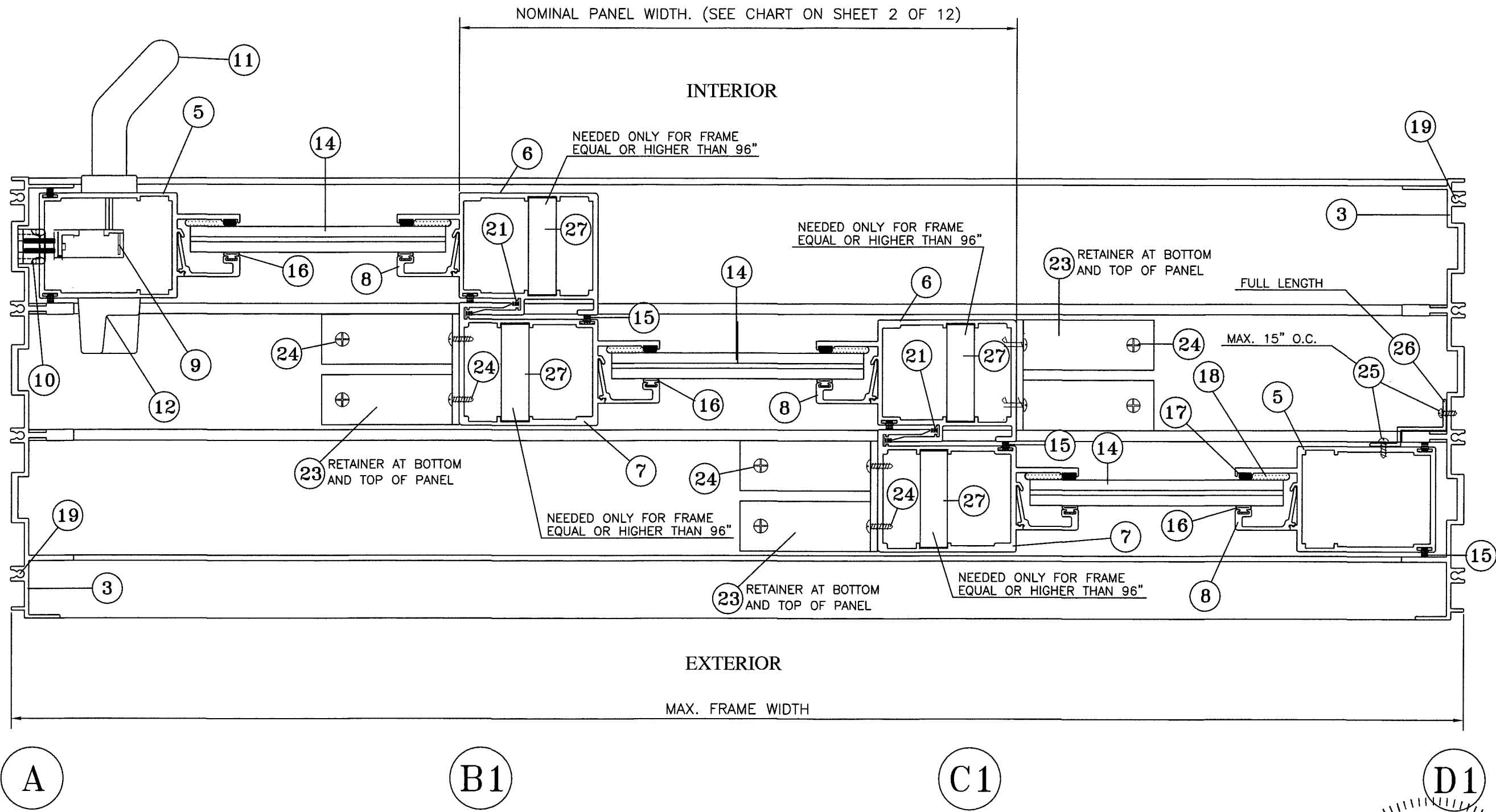


Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
Fax: (305)828-5118

SERIES 2009-9H / 3D-3T
ALUMINUM SLIDING GLASS DOOR
IMPACT RESISTANT GLASS

REVISION	DATE	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)
No	1	12-15-17

DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 6 OF 12

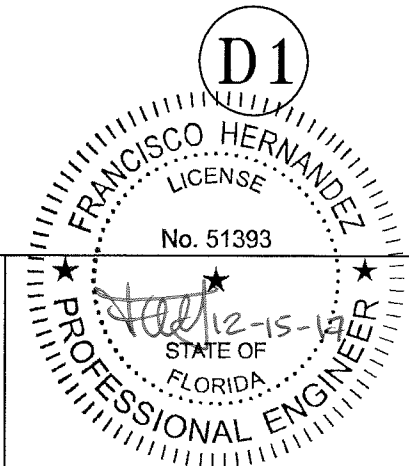


XOO OR OOX REVERSIBLE (3 PANELS - 3 TRACKS)
(SEE INSTALLATION ON SHEETS 8 THROUGH 10)

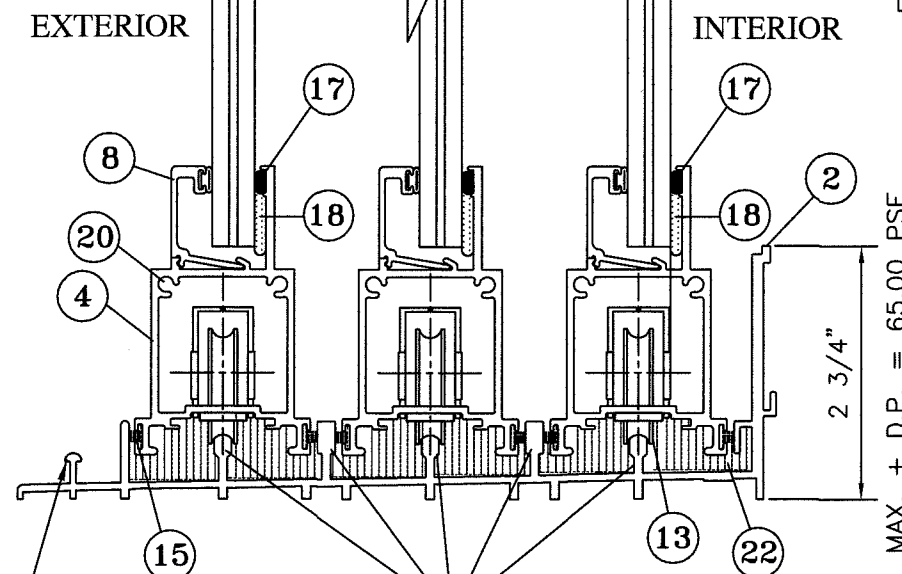
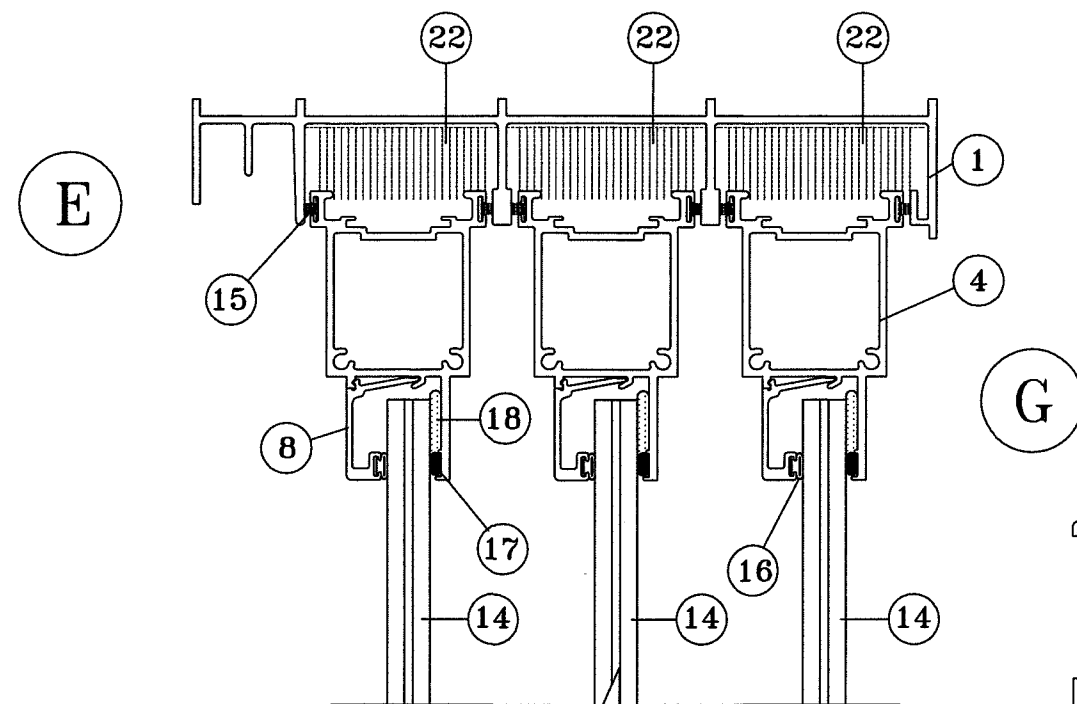
FOR INSTALLATION DETAILS SEE SHEETS 8 THRU 10

HORIZONTAL SECTION

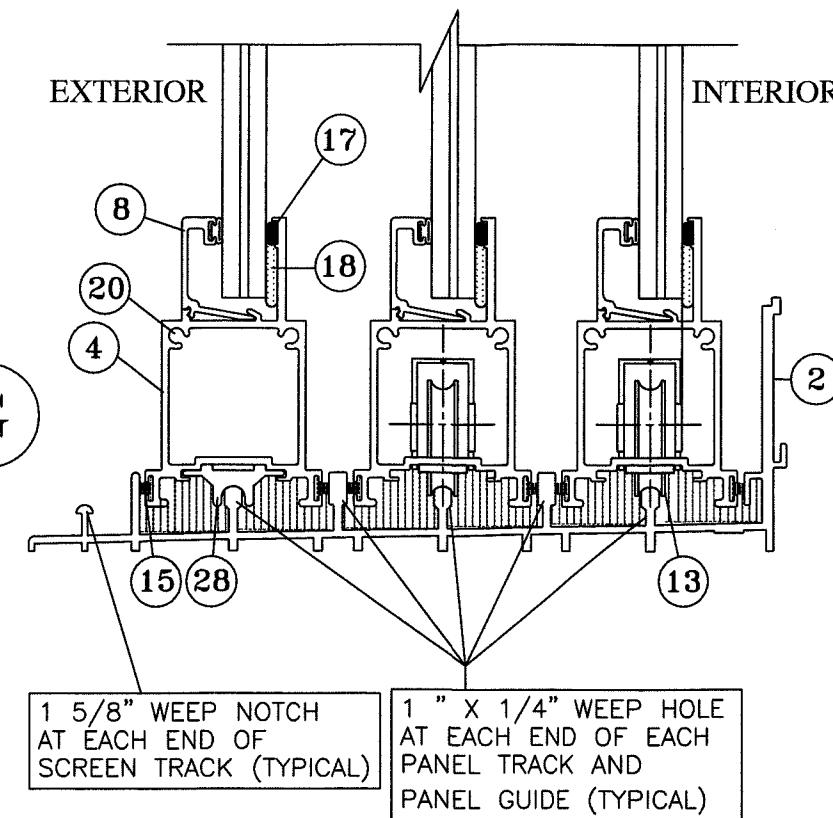
*PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1226.15
Expiration Date 11/23/21
A. [Signature]
Miami, Florida Product Control



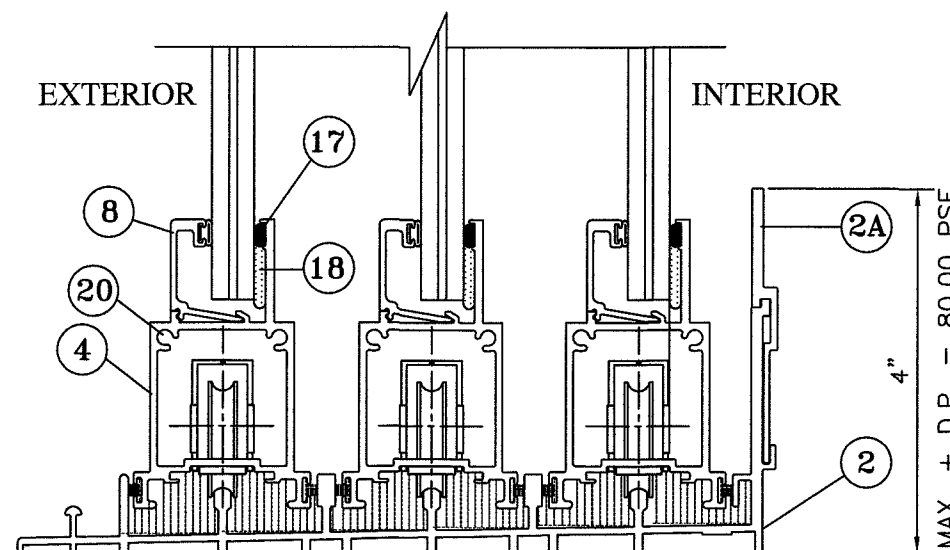
FRANCISCO HERNANDEZ
FLORIDA PE # 51393



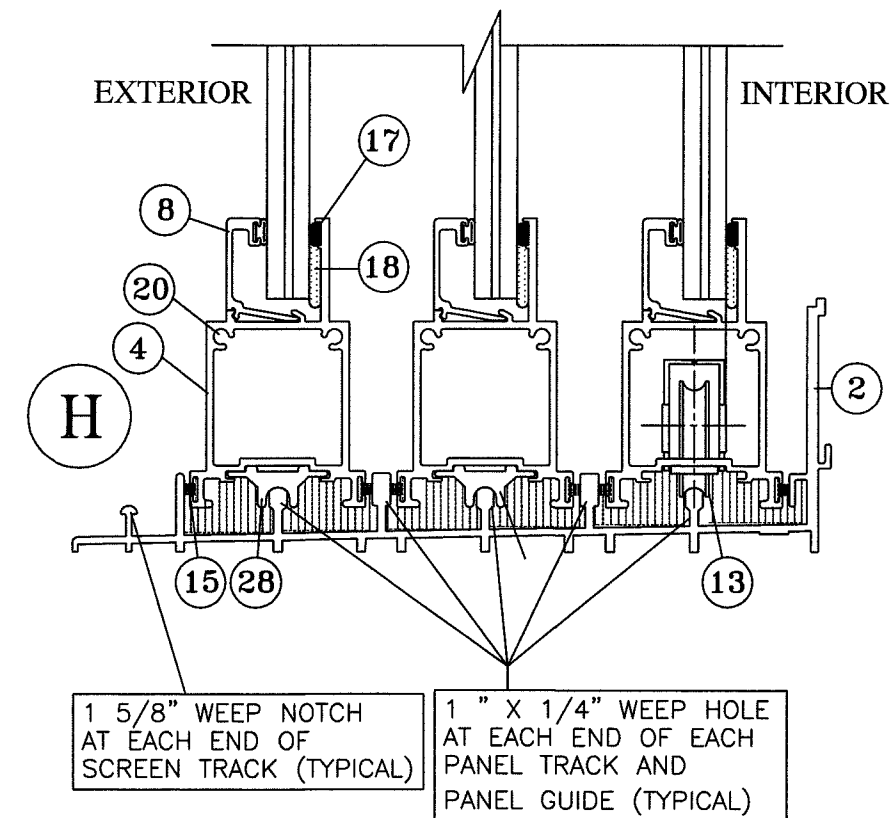
XXX
(3 PANELS - 3 TRACKS)
WITH 2 3/4" SILL



XXO/OXX (REVERSIBLE)
(3 PANELS - 3 TRACKS)

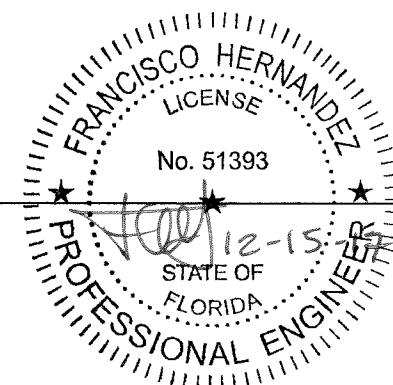


ALL CONFIGURATIONS
(3 PANELS - 3 TRACKS)
WITH 4" SILL



XOO/OOX (REVERSIBLE)
(3 PANELS - 3 TRACKS)

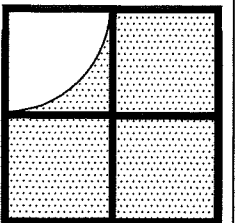
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 11/23/21
By: Ishag I. Ihsan
Miami Door Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

FOR INSTALLATION DETAILS SEE SHEETS 8 THRU 10

VERTICAL SECTIONS

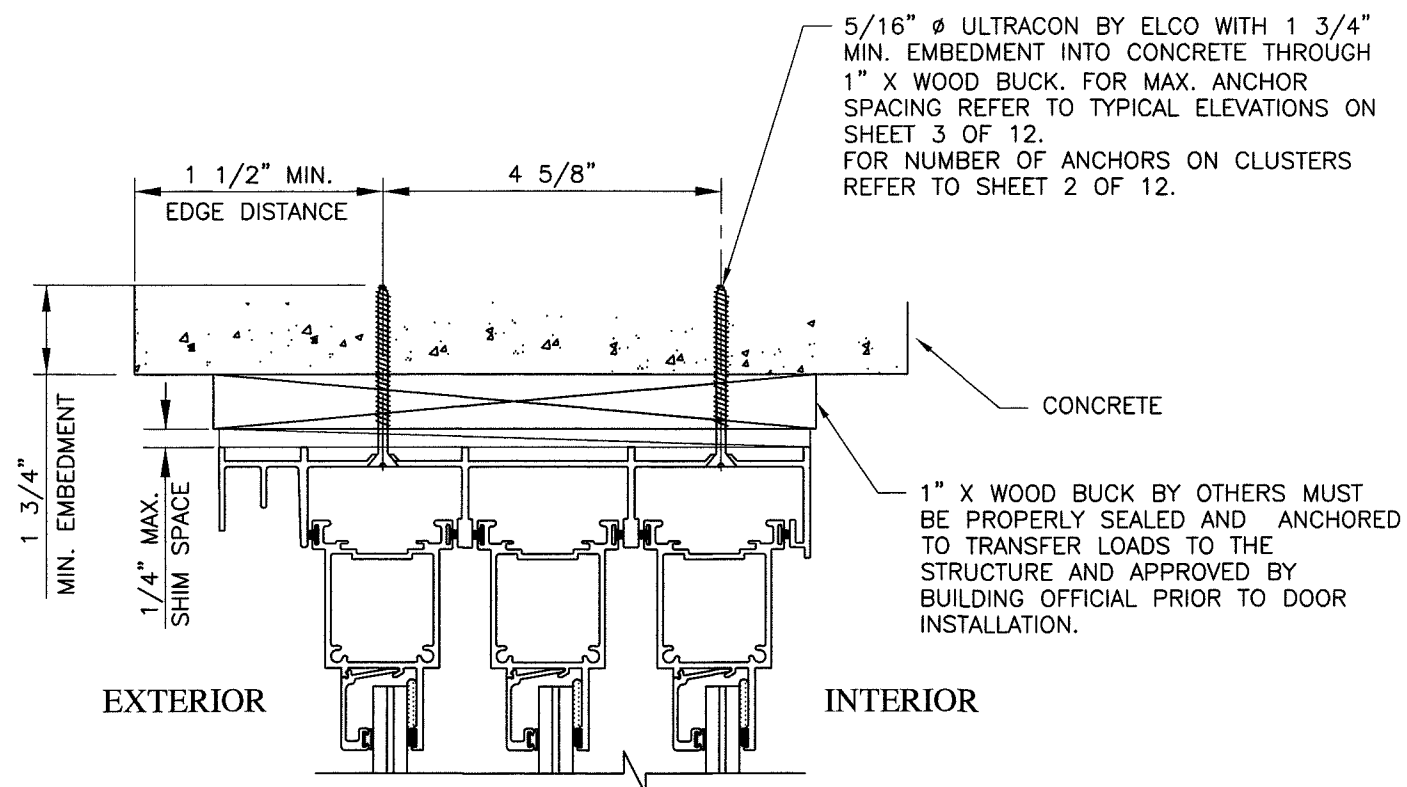


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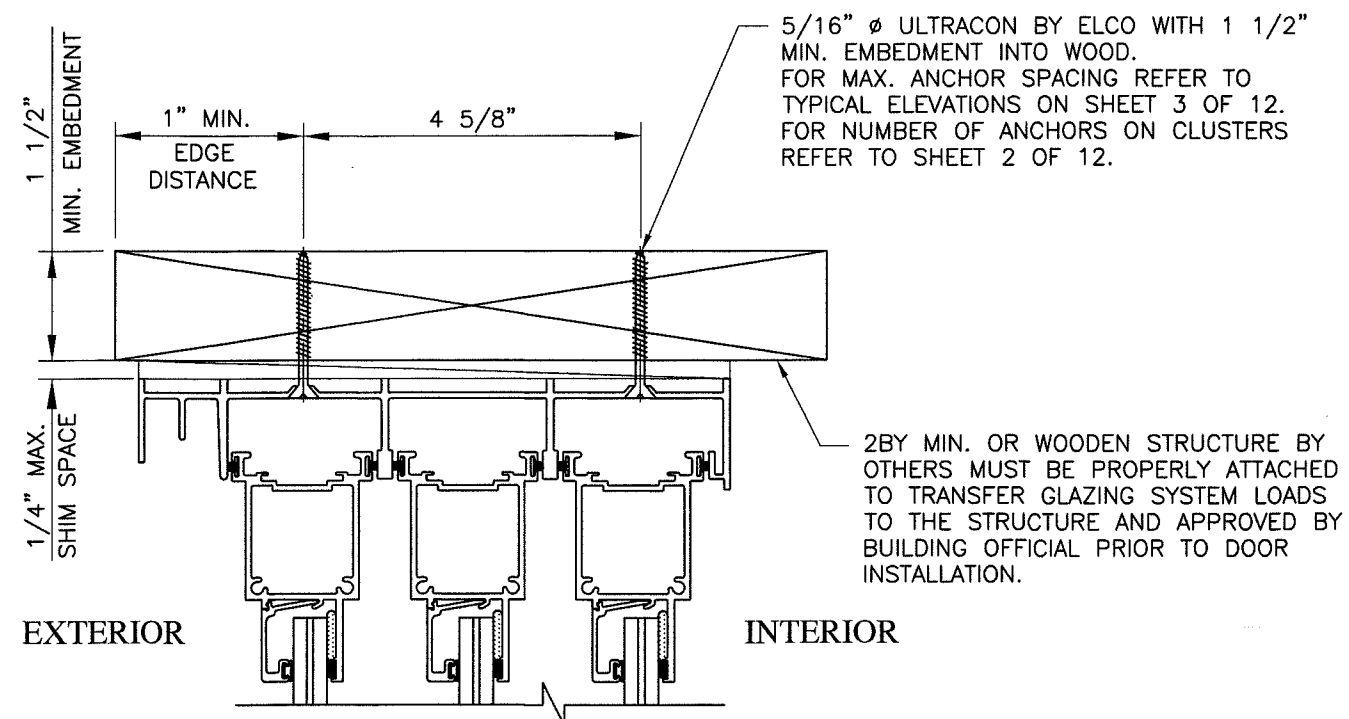
SERIES 2009-9H / 3D-3T ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT GLASS

REVISION	REVISION FOR COMPLIANCE WITH
No. DATE	12-15-17
1	12-15-17
	FBC 6TH EDITION (2017)

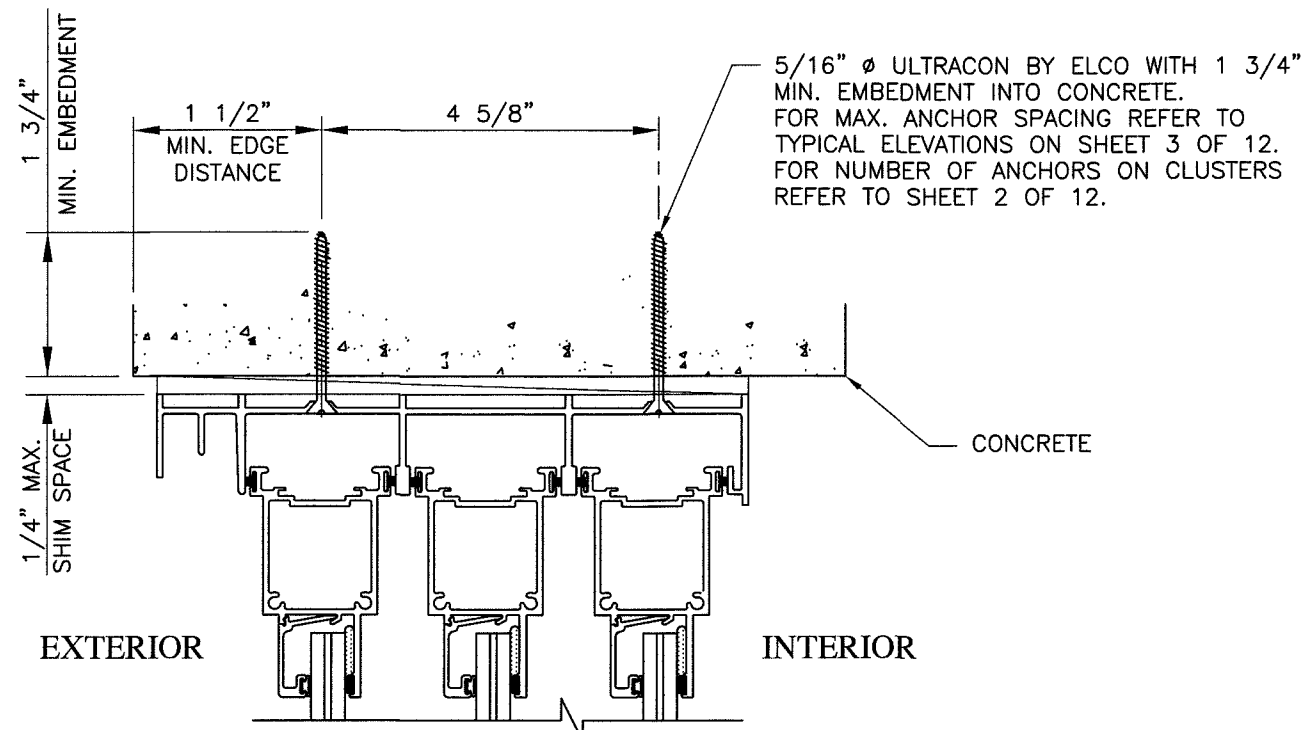
DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 7 OF 12



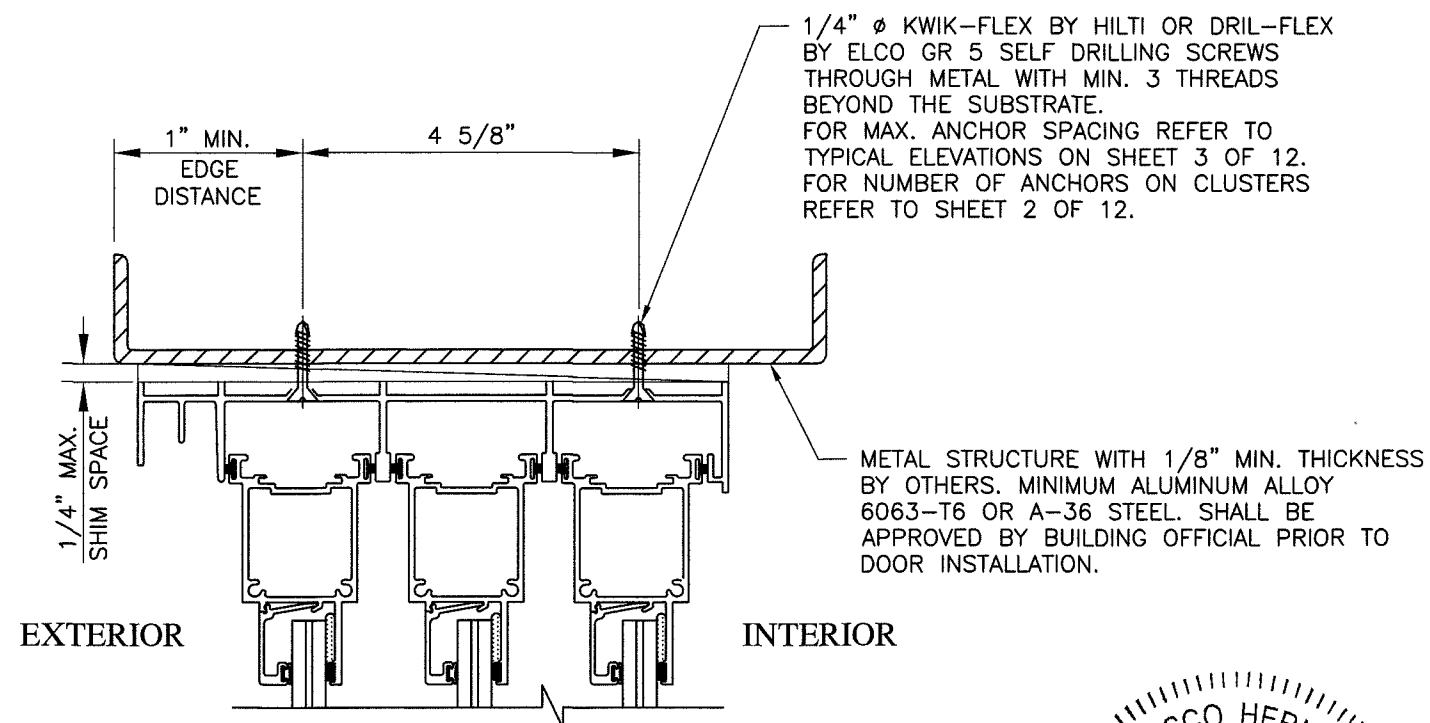
ATTACHMENT TO CONCRETE
USING 1" BY WOOD BUCK



ATTACHMENT TO WOOD



ATTACHMENT TO CONCRETE
WITHOUT WOOD BUCK

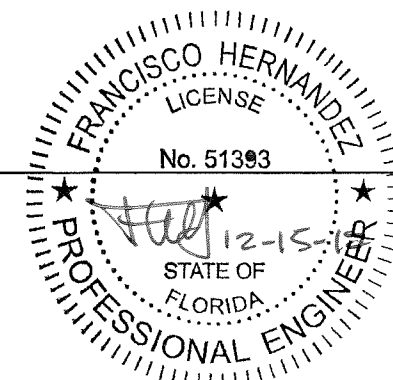


ATTACHMENT TO METAL

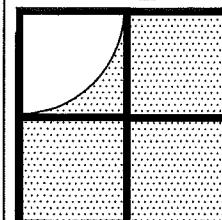
TYPICAL SECTIONS AT HEAD

ATTACHMENT TO DIFFERENT SUBSTRATES

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 1/23/21
By: [Signature]
Title: Field Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393



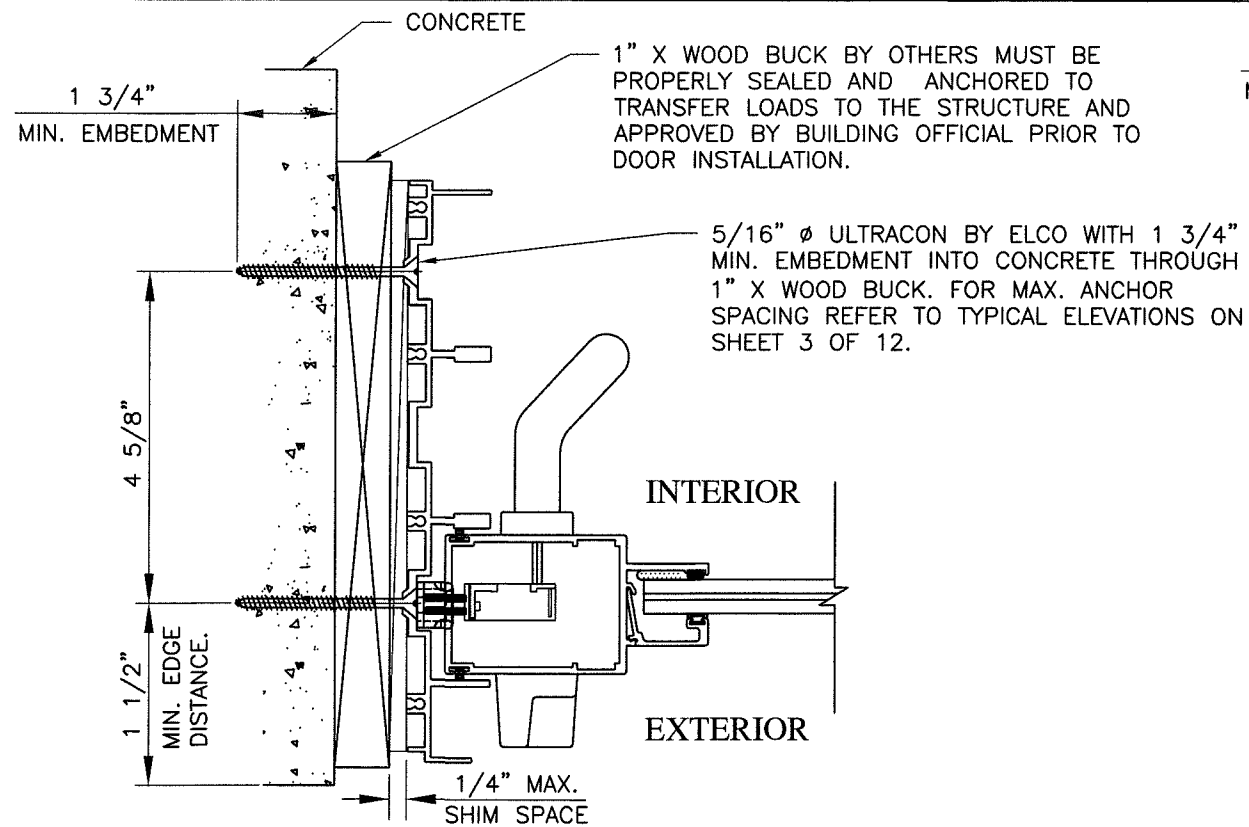
Sunshine Windows
Manufacturing, Inc.

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

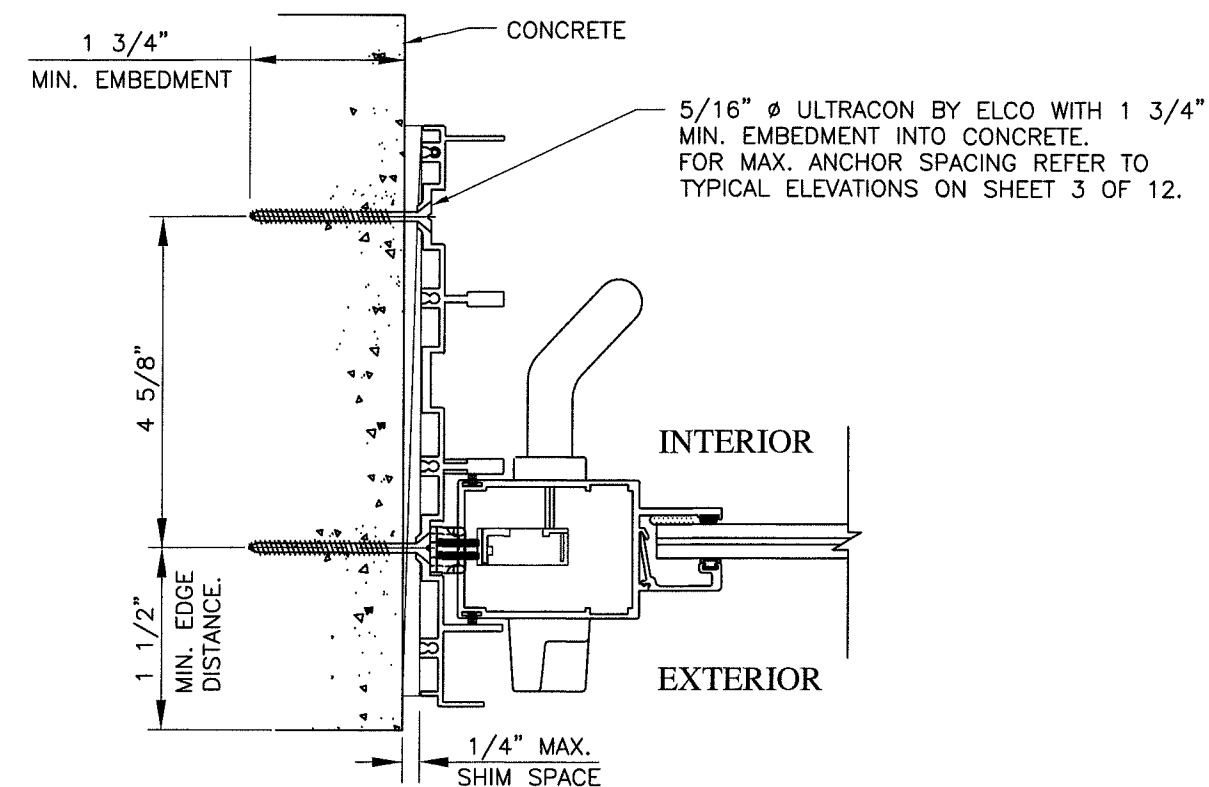
SERIES 2009-9H / 3D-3T
ALUMINUM SLIDING GLASS DOOR
IMPACT RESISTANT GLASS

REVISION	DATE	REVISION FOR COMPLIANCE WITH
1	12-15-17	FBC 6TH EDITION (2017)

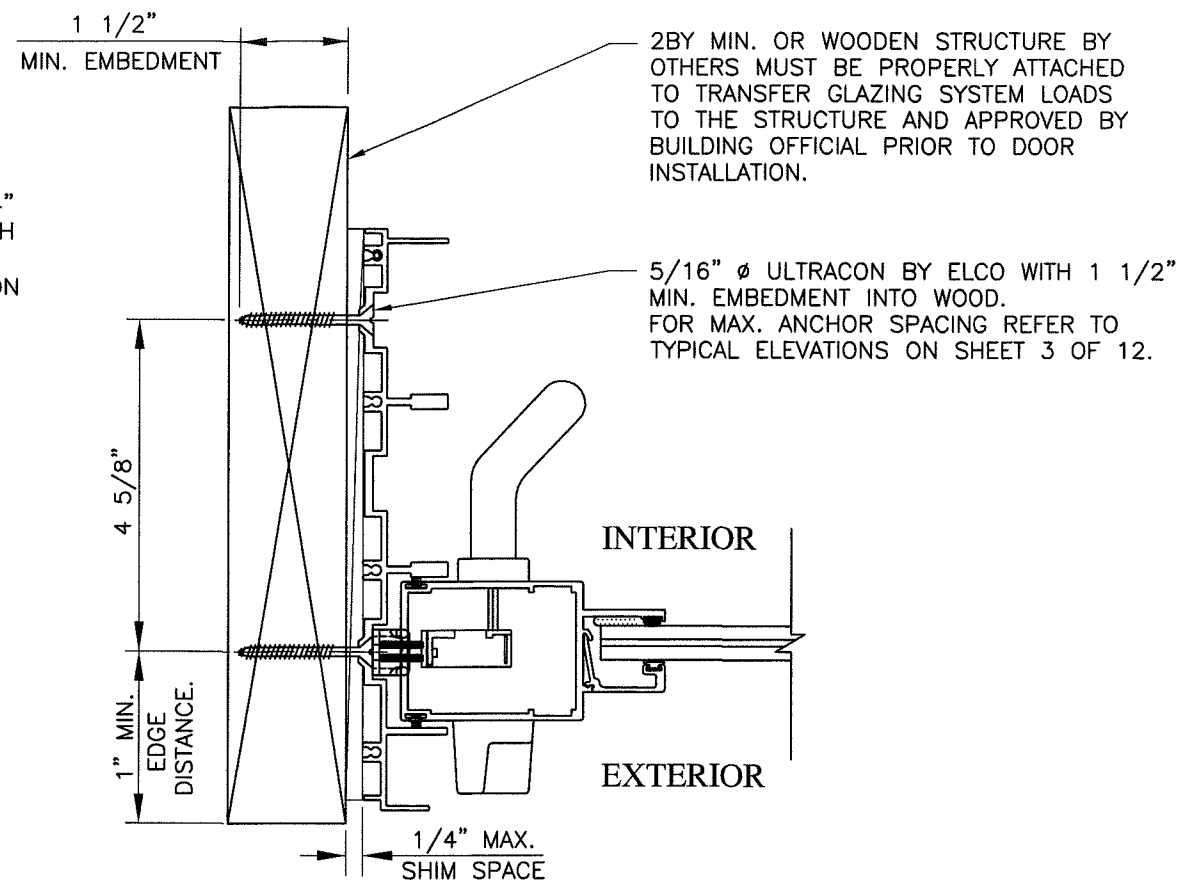
DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 8 OF 12



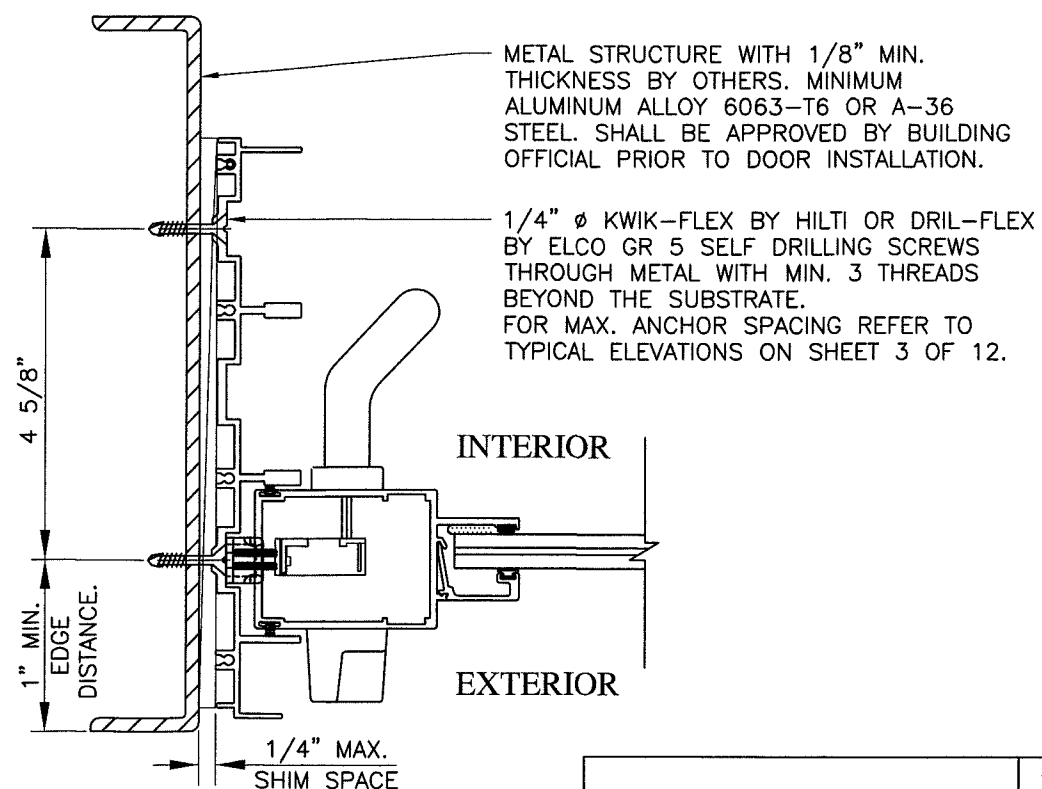
ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK
USING 1" BY WOOD BUCK



ATTACHMENT TO CONCRETE OR GROUT FILLED BLOCK
WITHOUT WOOD BUCK



ATTACHMENT TO WOOD

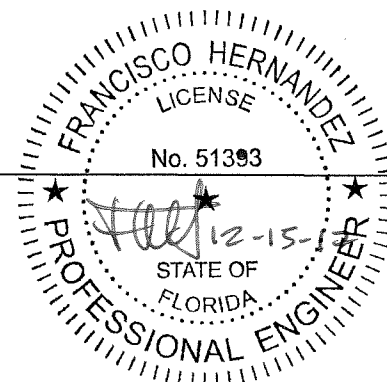


ATTACHMENT TO METAL

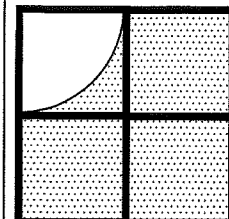
TYPICAL SECTIONS AT JAMBS

ATTACHMENT TO DIFFERENT SUBSTRATES

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1226.15
Expiration Date 11/23/21
A. Isherl. Chavala
Senior Design Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

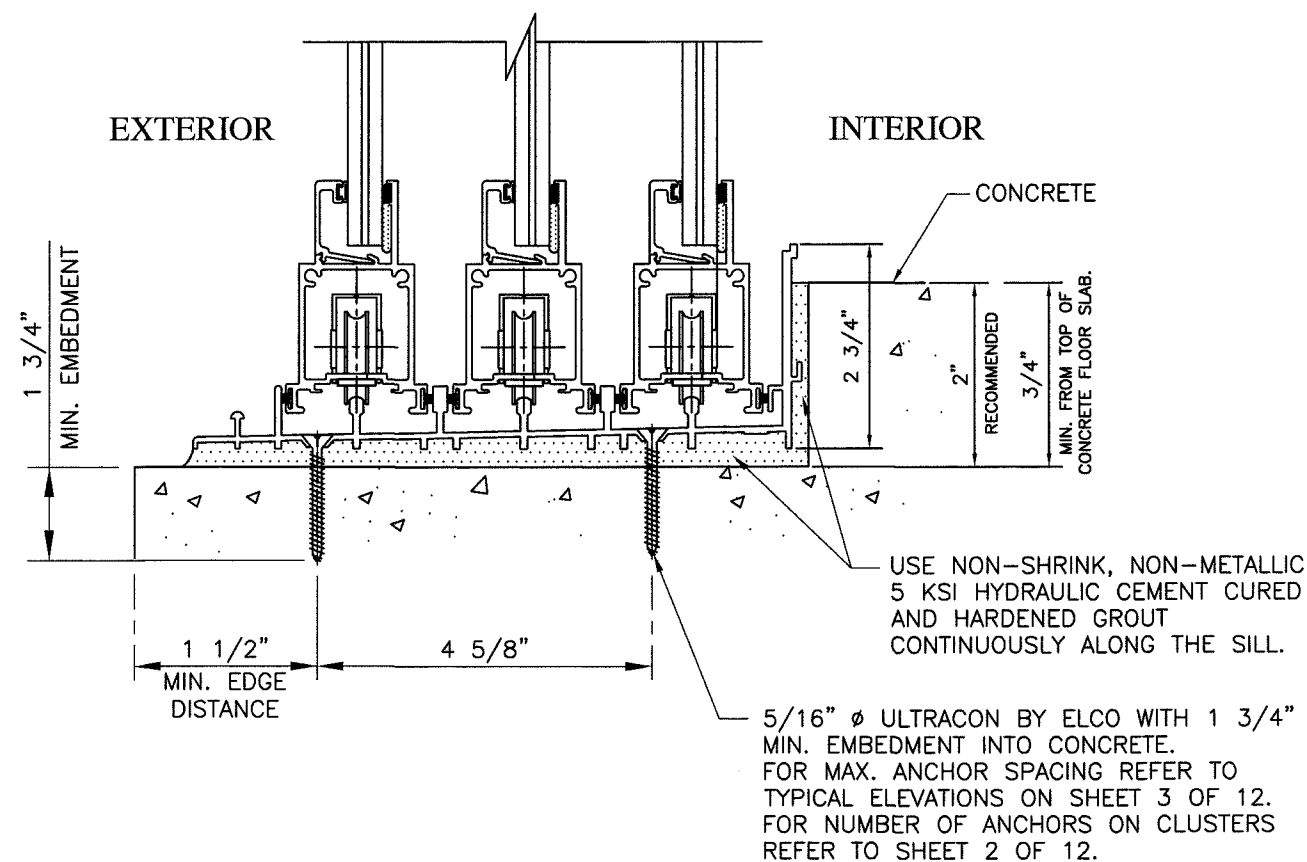


Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
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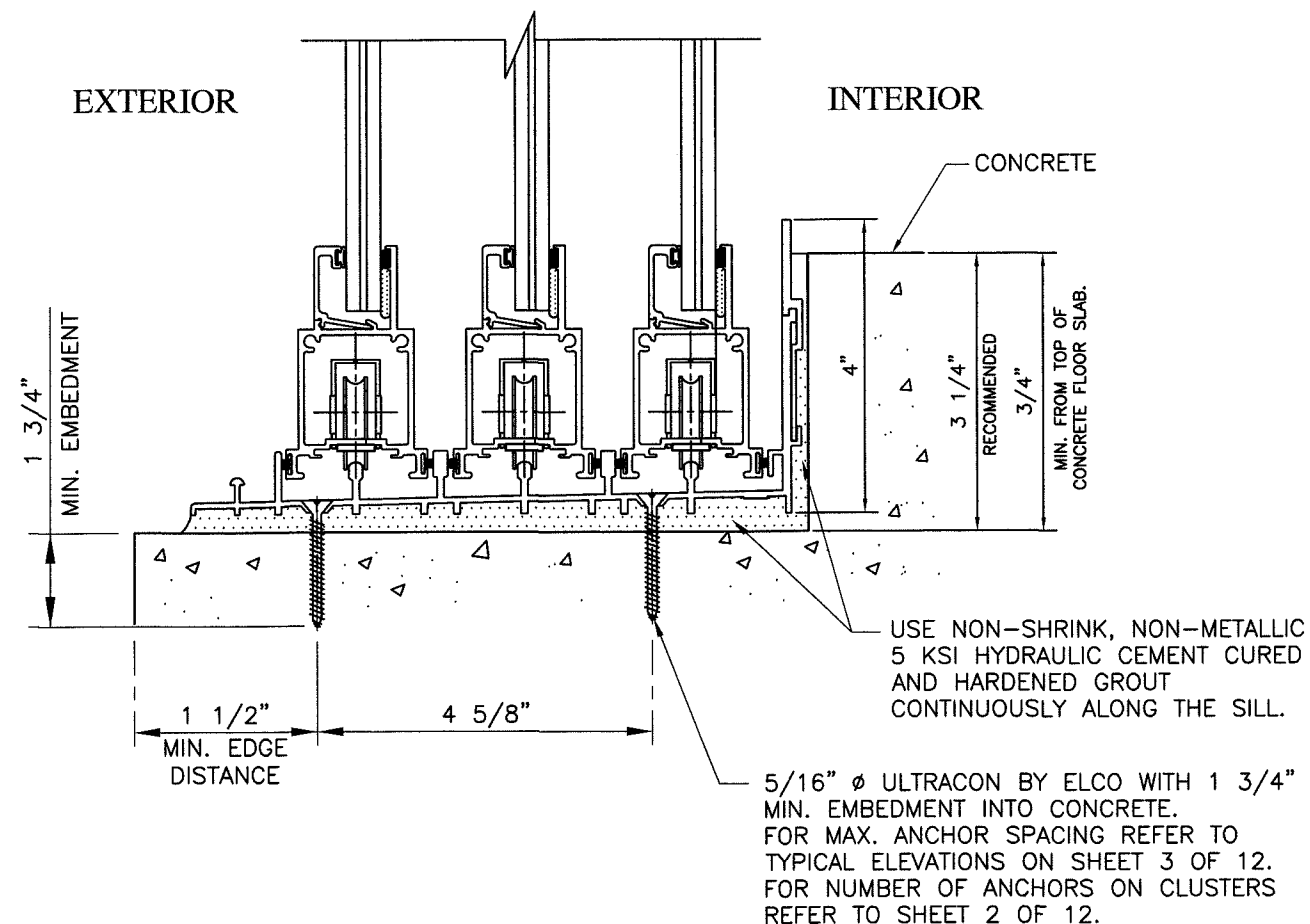
SERIES 2009-9H / 3D-3T ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT GLASS

REVISION	DATE	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)
1	12-15-17	

DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 9 OF 12



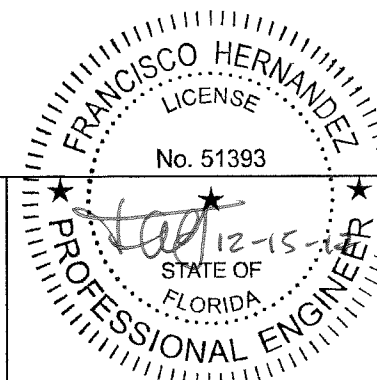
ATTACHMENT TO CONCRETE
WITH 2 3/4" SILL



ATTACHMENT TO CONCRETE
WITH 4" SILL

TYPICAL SECTIONS AT SILL

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date 11/23/21
Shang I. Hernandez
Senior Sales Product Control



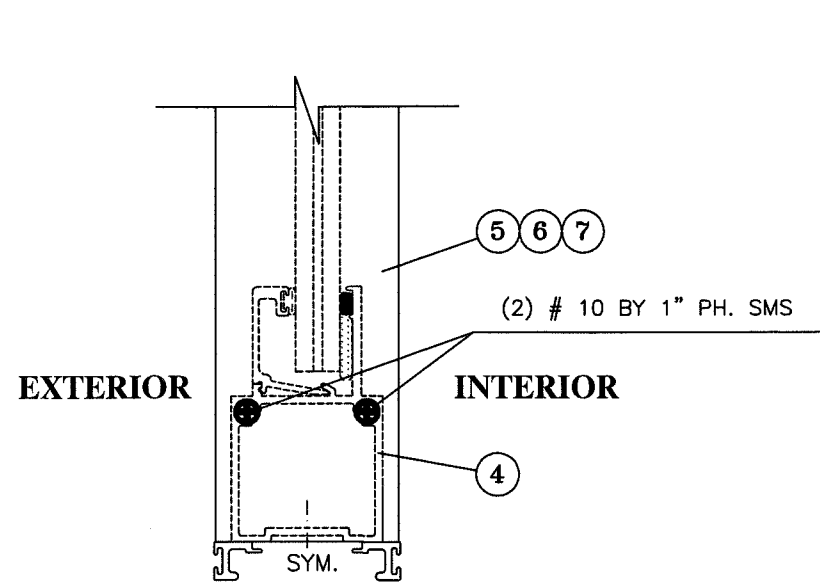
FRANCISCO HERNANDEZ
FLORIDA PE # 51393

Sunshine Windows
Manufacturing, Inc.
1745 W. 33rd Place
Hialeah, Florida 33012
Ph: (305)364-9952
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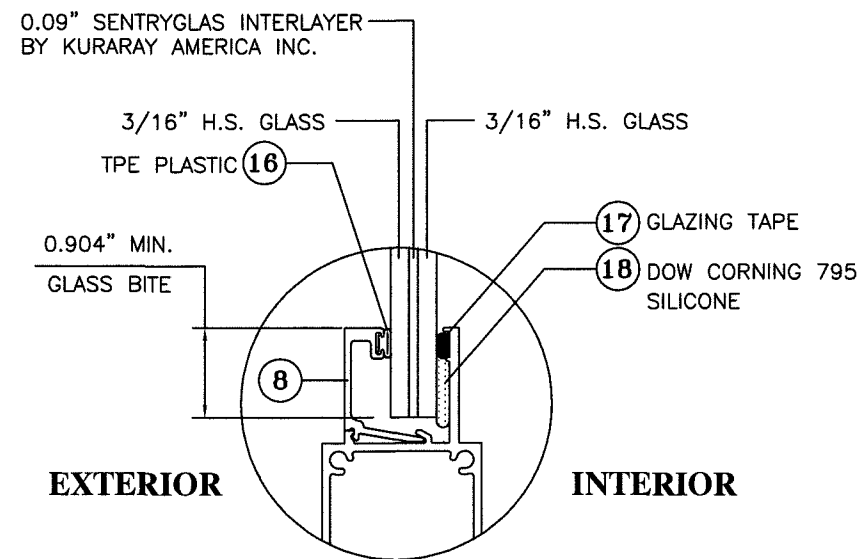
SERIES 2009-9H / 3D-3T
ALUMINUM SLIDING GLASS DOOR
IMPACT RESISTANT GLASS

REVISION	DATE	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)
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DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 10 OF 12

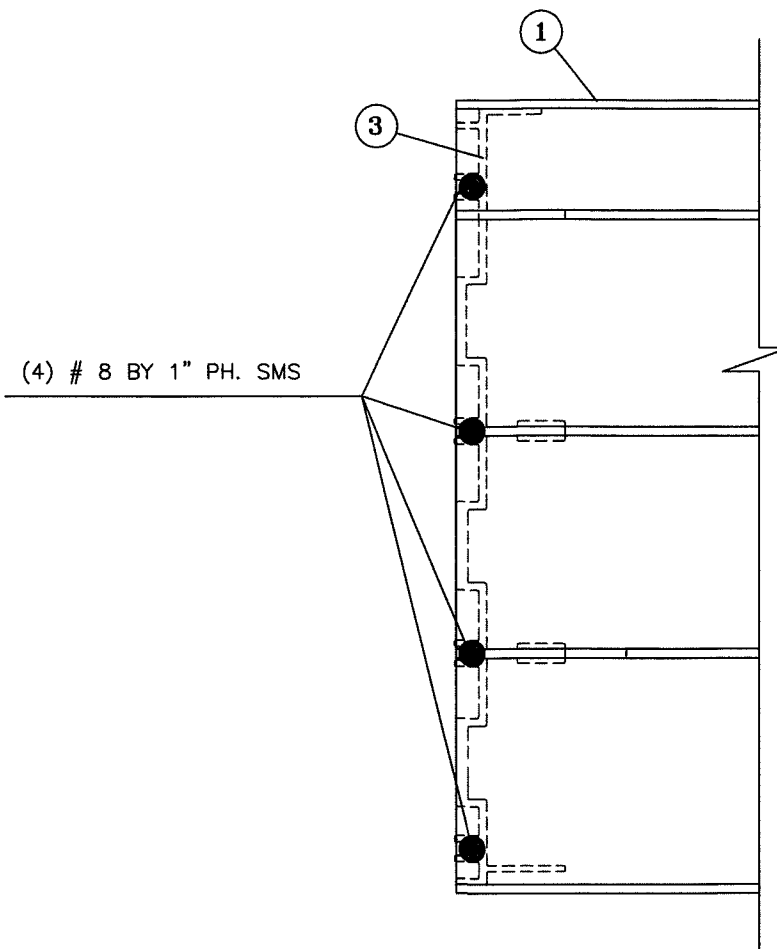


PANEL CORNERS
CONSTRUCTION DETAIL

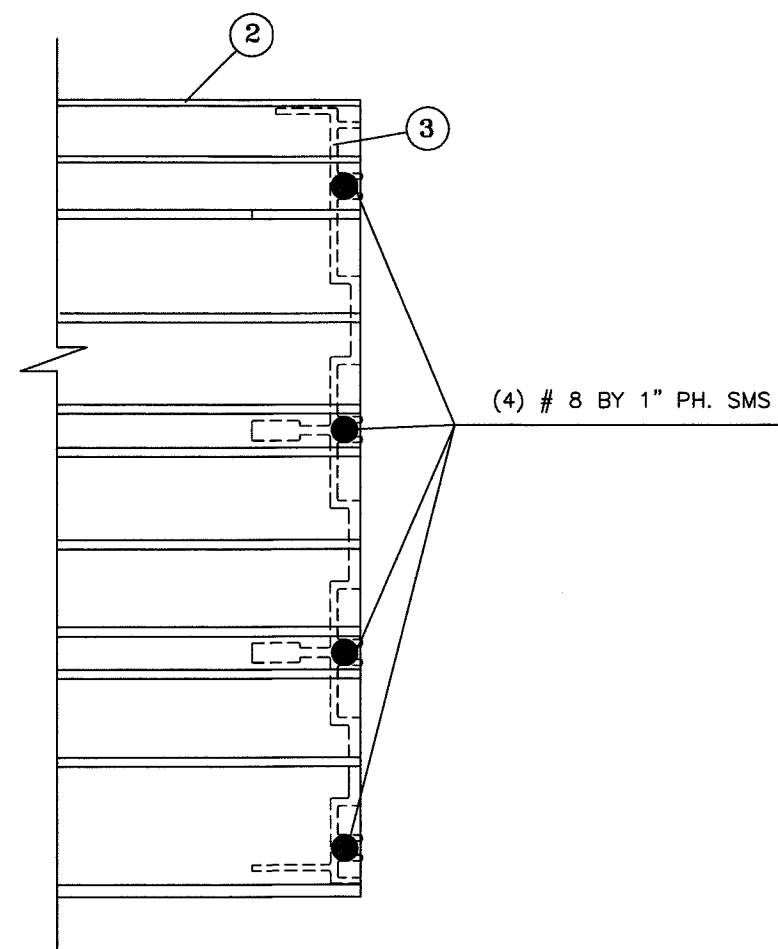


GLAZING DETAIL

GLAZING DETAIL AND FRAME & PANEL CORNER DETAILS

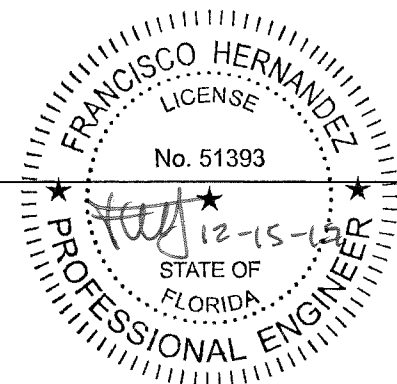


FRAME UPPER CORNER
CONSTRUCTION DETAIL

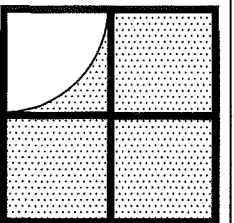


FRAME BOTTOM CORNER
CONSTRUCTION DETAIL

PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 17-1226.15
Expiration Date 11/23/21
A. Ishug I. Chank
Miami Beach Product Control



FRANCISCO HERNANDEZ
FLORIDA PE # 51393

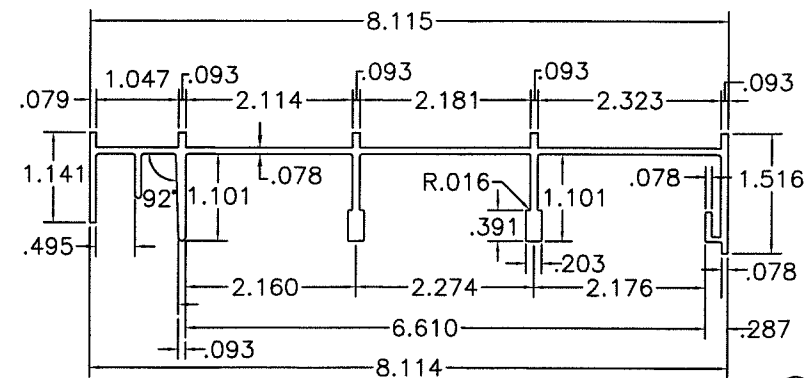


Sunshine Windows
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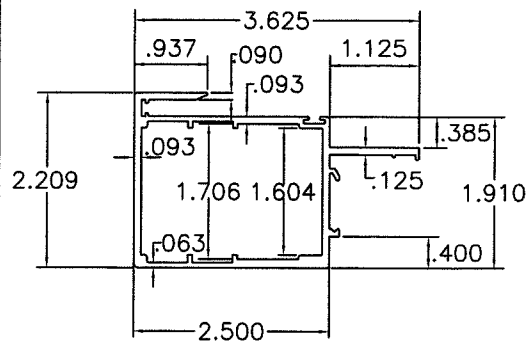
SERIES 2009-9H / 3D-3T ALUMINUM SLIDING GLASS DOOR IMPACT RESISTANT GLASS

REVISION	DATE	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)
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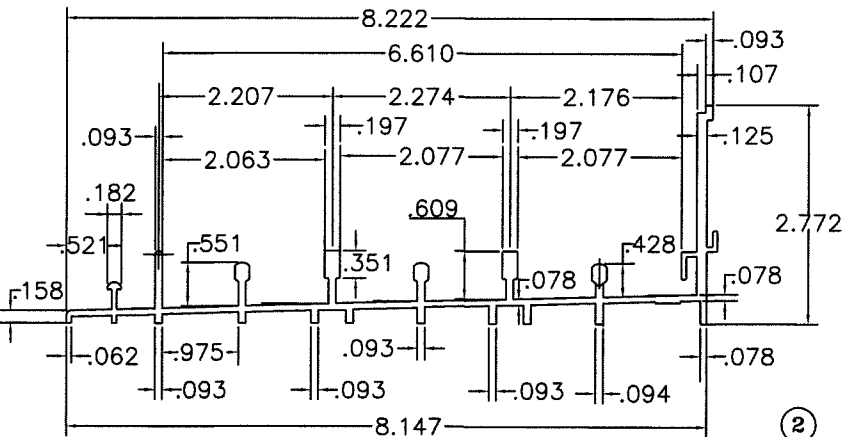
DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 11 OF 12



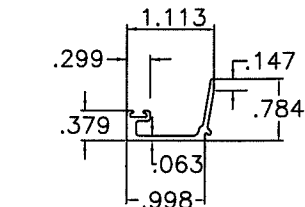
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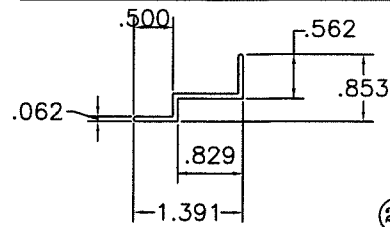
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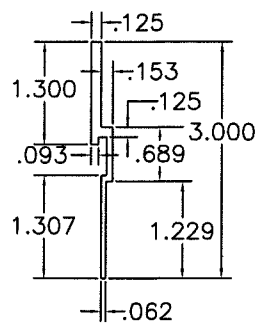
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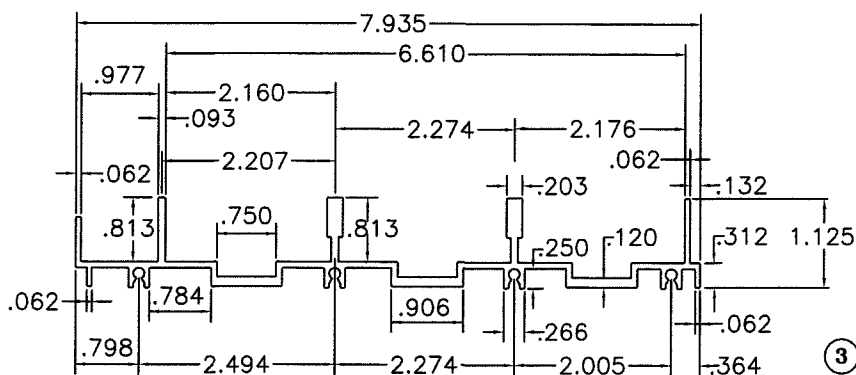
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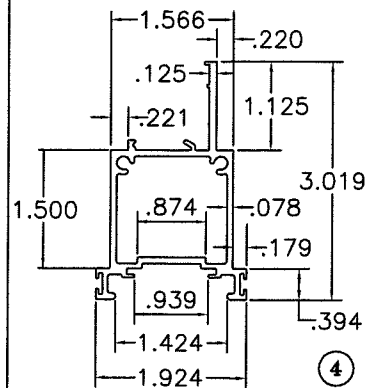
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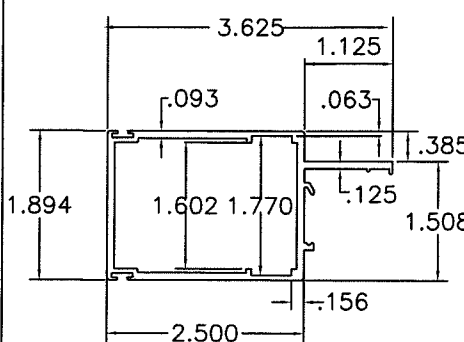
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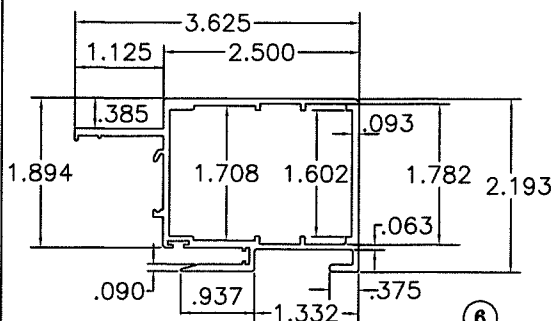
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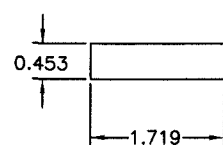
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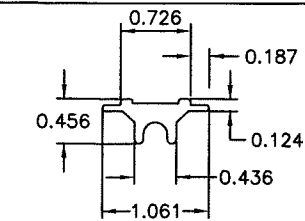
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⑥



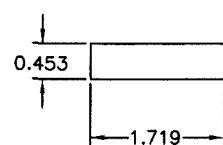
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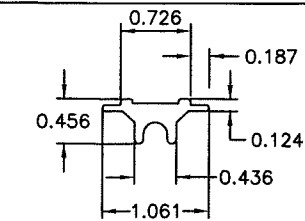
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BILL OF MATERIALS

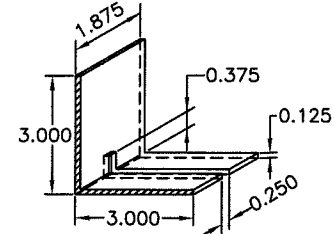
ITEM	PART #	QTY.	DESCRIPTION	NOTES
1	3657-3T	1	FRAME HEAD	6063-T6 ALUM
2	3658-3T	1	FRAME SILL	6063-T6 ALUM
2A	TGOC-3670	1	FRAME SILL RISER ADAPTER	6063-T6 ALUM
3	3659-3T	2	FRAME JAMB	6063-T6 ALUM
4	TGOC-3660	6	PANEL TOP & BOTTOM RAIL	6063-T6 ALUM
5	TGOC-3661	2	PANEL LOCK STILE	6063-T6 ALUM
6	TGOC-3662	2	INTERLOCK STILE - INTERIOR	6063-T6 ALUM
7	TGOC-3663	2	INTERLOCK STILE - EXTERIOR	6063-T6 ALUM
8	TGOC-3669	AS REQ.	GLAZING BEAD - 7/16"	6063-T6 ALUM
9	597 SERIES	2	MORTISE LOCK (3-PLY HOOK)	AMESBURY 597 SERIES
10	2315 SERIES	2	MORTISE LOCK KEEPER	AMESBURY 2315 SERIES
11	APOLLO SERIES	2	LOCK INTERIOR HANDLE /PULL	AMESBURY APOLLO SERIES
12	2940 SERIES	2	LOCK EXTERIOR HANDLE /PULL	AMESBURY 2940 SERIES
13	SR-2003	6	TANDEM ROLLER (S.S.)	DELTA INDUSTRIAL
14	7/16" IMP. GLASS	AS REQ.	SEE GLAZING DETAIL ON SHEET 11 OF 12	0.09SGP INTERLAYER
15	W44214NW000	AS REQ.	ULTRA FIN WEATHERSEAL	ULTRAFAB
16	E20218KN4020	AS REQ.	T-SLOT EXTRUDED SEAL- DUROM. 78±5	TPE PLASTIC
17	ZIALOCK 750	AS REQ.	1/8" X 1/4" DOUBLE SIDED TAPE	PE FOAM
18	DOW CORNING 795	AS REQ.	GLAZING SEALANT	SILICONE
19	S.M.S.	16	FRAME ASSEMBLY SCREWS	#8 X 1" P.H. PHILLIPS
20	S.M.S	8/PANEL	PANEL ASSEMBLY SCREWS	#10 X 1" P.H. PHILLIPS
21	W33321NK000	AS REQ.	ULTRA FIN WEATHERSEAL	ULTRAFAB
22	D7505AMW	AS REQ.	ULTRA PLUG WEATHERSEAL	ULTRAFAB
23	ALUMINUM ANGLE	AS REQ.	3" X 3" X 1/8" RETAINER	6063-T-6
24	S.M.S	4/ANGLE	FXD. PANEL RETAINING ANGLE SCREWS.	# 10 X 1 3/4" P.H. PHILLIPS
25	S.M.S.	AS REQ.	FXD. PANEL JAMB CLIP SCREWS (MAX. 15" O.C.)	# 10 X 1 3/4" P.H. PHILLIPS
26	TGOC-3667	AS REQ.	FIXED PANEL JAMB CLIP FULL LENGTH	6063-T6 ALUM
27		AS REQ.	INTERLOCK REINFORCEMENT BAR	6063-T6 ALUM
28	SSW-012	AS REQ.	FIXED PANEL BOTTOM RAIL GUIDE	RIGID VINYL



②⑦



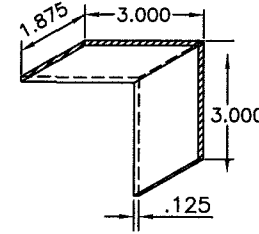
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FIXED PANEL BOTTOM RETAINER
3" X 3" X 1/8" ALUMINUM ANGLE
AL. 6063-T6

FIXED PANEL TOP RETAINER
3" X 3" X 1/8" ALUMINUM ANGLE
AL. 6063-T6

②③

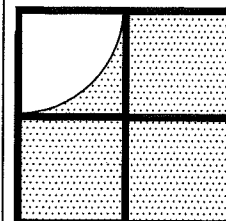


FIXED PANEL TOP RETAINER
3" X 3" X 1/8" ALUMINUM ANGLE
AL. 6063-T6

No. 51393

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 17-1226-15
Expiration Date: NOV 23, 2021
Francisco Hernandez
Professional Engineer

FRANCISCO HERNANDEZ
PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 51393
12-15-16



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

SERIES 2009-9H / 3D-3T
ALUMINUM SLIDING GLASS DOOR
IMPACT RESISTANT GLASS

NO	DATE	REVISION	REVISION FOR COMPLIANCE WITH FBC 6TH EDITION (2017)
1	12-15-17		

DRAWING No.
SGD09-15
DATE: 02/14/16
SCALE: NTS
SHEET 12 OF 12

BILL OF MATERIALS AND PARTS DETAILS