



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

MIAMI-DADE COUNTY, FLORIDA
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/

Lawson Industries, Inc.
8501 NW 90th Street
Medley, FL 33166

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 "SDG-9200" Aluminum Sliding Glass Door - L. M. I.

APPROVAL DOCUMENT: Drawing No. L9200-1102, titled "Series SGD-9200 Aluminum Sliding Glass Door (LMI)", sheets 1 through 4 of 4, prepared by manufacture, dated 03/18/02, with the latest revision "A", dated 03/30/12, signed and sealed by Thomas J. Soto, P. E., bearing the Miami-Dade County Product Control Renewal 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. Glass lite wider than 36" shall be supported with approved setting blocks or clamps per FBC requirements.

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.

REVISION 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 renews NOA No. 11-0518.03 and consists of this page 1, evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



J Gascon
4/15/12

NOA No. 12-0127.06
Expiration Date: June 13, 2013
Approval Date: April 12, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 02-1126.04)
2. Drawing No. **L9200-1102**, titled "Series SGD-9200 Aluminum Sliding Glass Door (LMI)", sheets 1 through 4 of 4, prepared by manufacture, dated 03/18/02, with the latest revision "A", dated 03/30/12, signed and sealed by Thomas J. Soto, 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, per FBC 2411.3.2.1, TAS 202-94 and per ASTM F 842-04along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3078**, dated 01/10/2002, signed and sealed by Luis Figueredo, P.E., Test Report No. **FTL-3424**, dated 04/18/2002, Test Report No. **FTL-3425**, dated 04/29/2002, Test Report No. **FTL-3426**, dated 04/26/2002, **FTL-3492**, dated 06/20/2002, Test report No. **FTL-3493**, dated 06/24/2002 and Test Report No. **FTL-3516**, dated 07/12/2002, all signed and sealed by James G. Worth, P. E.
(Submitted under previous NOA No. 02-1126.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Lawson Industries, Inc., dated 04/26/11, signed and sealed by Thomas J. Soto, P. E.
(Submitted under previous NOA No. 11-0518.03)
2. Statement letter of conformance and compliance with the **FBC-2010**, dated 01/25/12, signed and sealed by Thomas J. Sotos, P. E.
3. **Glazing complies with ASTM E1300-98/ 04**

D. QUALITY ASSURANCE

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



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0127.06
Expiration Date: June 13, 2013
Approval Date: April 12, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

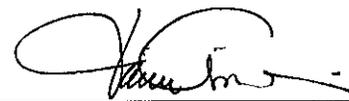
1. Notice of Acceptance No. **11-0624.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/2011, expiring on 12/11/2016.
4. Notice of Acceptance No. **08-0206.01** issued to Solutia Inc. for their "**Saflex HP Glass Interlayer**" dated 04/17/2008, expiring on 04/17/2013.
5. Notice of Acceptance No. **09-0127.13** issued to Solutia Inc. for their "**Solutia Interlayers for Laminated Glass**" dated 03/04/2009, expiring on 03/04/2014.

F. STATEMENTS

1. Statement letter of conformance, no financial interest and compliance with the **FBC-2010**, dated 01/25/12, signed and sealed by Thomas J. Sotos, P. E.
2. Proposal issued by Product Control, dated 03/30/12, signed by Ishaq Chanda, P. E.
3. Testing agreement letter, dated March 30, 2012 between Hurricane Engineering & Testing, Inc. (HTL) and Lawson Industries, Inc., issued by HTL.
4. One (1) year conditional approval, subjected to successful verification test, the final approval will be issued for the balanced of a total of 4 years.
5. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27 of the FBPE, dated 05/02/11 signed and sealed by Thomas J. Sotos, P. E.
(Submitted under previous NOA No. 11-0581.03)
6. Laboratory compliance letter for Test Reports No.'s **FTL-3078, FTL-3424, FTL-3425, FTL-3426, FTL-3492, FTL-3493** and **FTL-3516**, issued by Fenestration Testing Laboratory, Inc., dated 01/10 through 07/12/2002, all signed and sealed by James G. Worth, P. E.
(Submitted under previous NOA No. 02-1126.04)

G. OTHERS

1. Notice of Acceptance No. **11-0518.03**, issued to Lawson Industries, Inc. for their Series "**9200 Aluminum Sliding Glass Door - L.M.I.**", approved on 06/30/11 and expiring on 06/13/12.
2. One (1) year conditional approval, subjected to successful verification test, the final approval will be issued for the balanced of a total of 4 years.



Jaime D. Gascon, P. E.
Product Control Section Supervisor
NOA No. 12-0127.06
Expiration Date: June 13, 2013
Approval Date: April 12, 2012

DESIGN LOAD CAPACITY - PSF (STD. SILL)									
NOMINAL DOOR SIZES WIDTH FT./IN.	DOOR SIZES HEIGHT FT./IN.	GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
		EXT. (+)	INT. (-)						
6/0 (NO STEEL)	6/8	56.7	95.0	56.7	65.0	56.7	85.0	56.7	75.0
8/0 (WITH STEEL)	6/8	56.7	85.0	56.7	70.0	56.7	78.8	56.7	68.8
8/0 (WITH STEEL)	8/0	56.7	65.0	56.7	65.0	X	X	X	X

DESIGN LOAD CAPACITY - PSF (WITH SILL RISER)									
NOMINAL DOOR SIZES WIDTH FT./IN.	DOOR SIZES HEIGHT FT./IN.	GLASS TYPE 'A'		GLASS TYPE 'B'		GLASS TYPE 'C'		GLASS TYPE 'D'	
		EXT. (+)	INT. (-)						
6/0 (NO STEEL)	6/8	76.7	95.0	65.0	65.0	76.7	85.0	75.0	75.0
8/0 (WITH STEEL)	6/8	76.7	85.0	70.0	70.0	76.7	78.8	68.8	68.8
8/0 (WITH STEEL)	8/0	65.0	65.0	65.0	65.0	X	X	X	X

SGD-9200 ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR THESE DOORS TO BE AS PER CHARTS SHOWN ABOVE.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

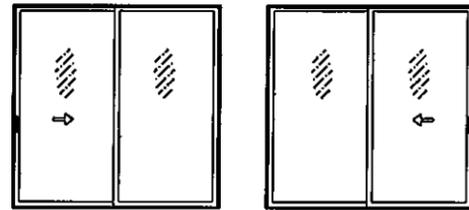
ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

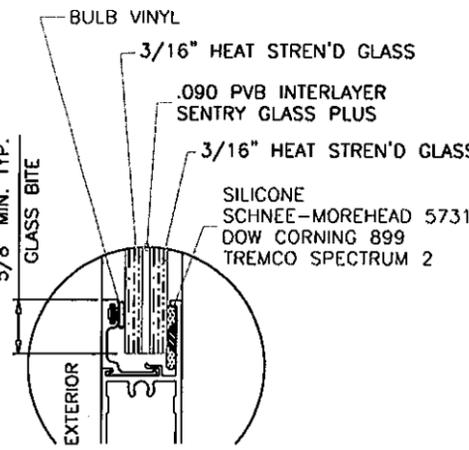
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BLDG. CODE SECTION 2003.8.4.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-02 (3 SEC. GUSTS)

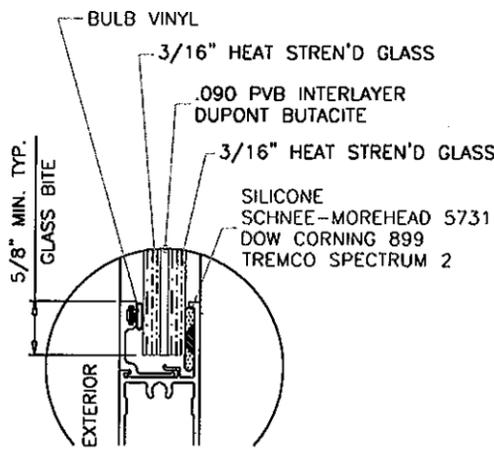
MAX. D.L.O.:
6/0 X 6/8 = 32-3/4" X 74-3/4"
8/0 X 6/8 = 44-3/4" X 74-3/4"
8/0 X 8/0 = 44-3/4" X 90-3/4"



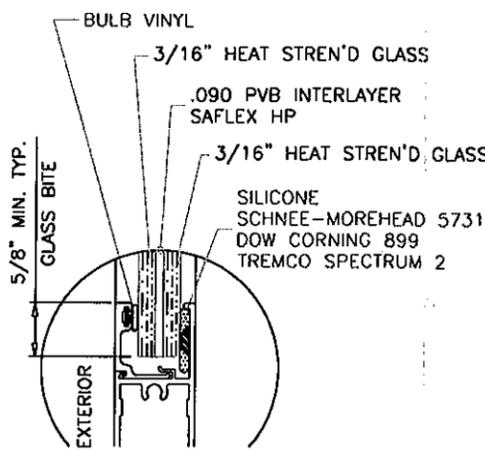
XO OX
APPROVED CONFIGURATIONS



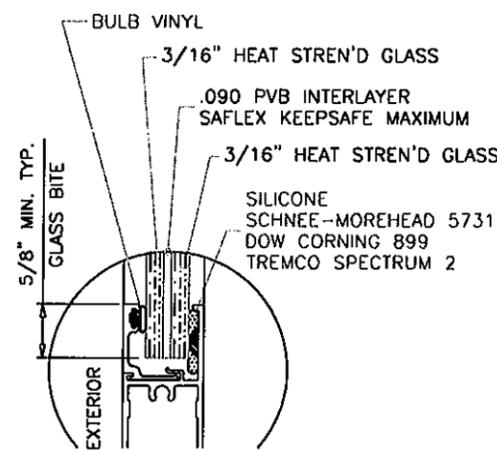
GLASS TYPE 'A'



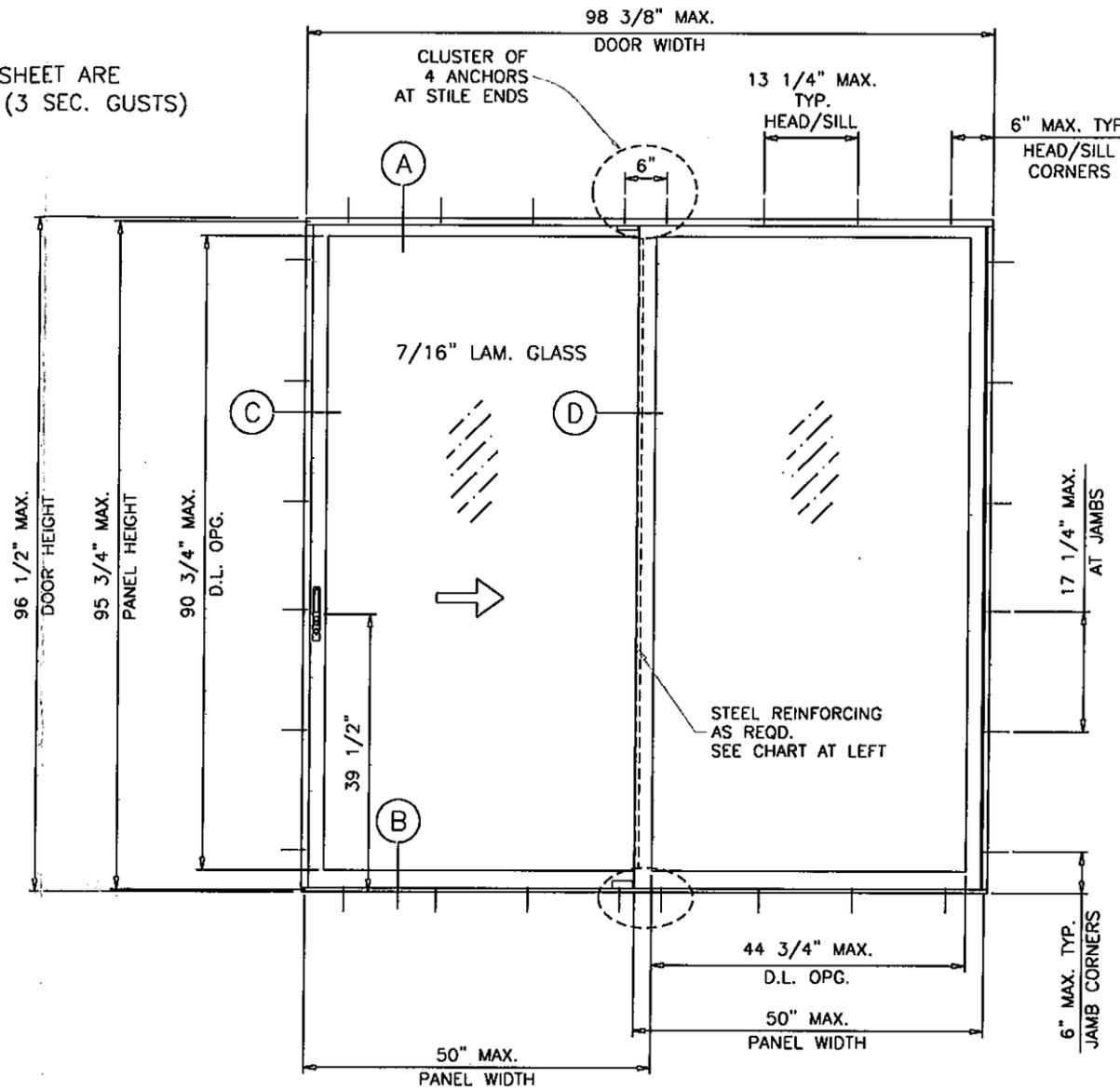
GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'D'

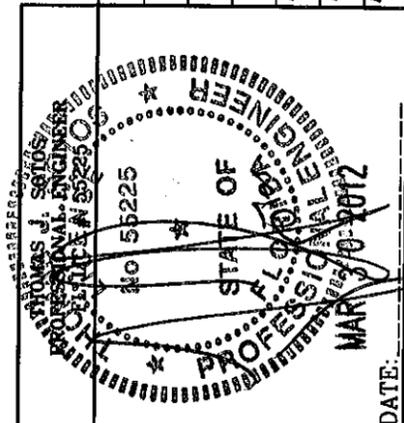


TYPICAL ELEVATION
TESTED UNIT

DOORS GLAZED WITH LAMINATED GLASS RATED FOR
LARGE MISSILE IMPACT AND REQUIRE NO SHUTTERS.

LAMINATED GLASS
LARGE MISSILE IMPACT

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0127.06
Expiration Date 06/13/2013
By [Signature]
Miami Dade Product Control



Revision Notes: A. Revised to Comply w/ 2010 FBC	Drawn By: N. ERAZO	Date Drawn: 04/26/11
	Revised By: N. ERAZO	Date Revised: 01/20/12
	Revision Level: A	Scale:

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

LAWSON INDUSTRIES, INC.

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

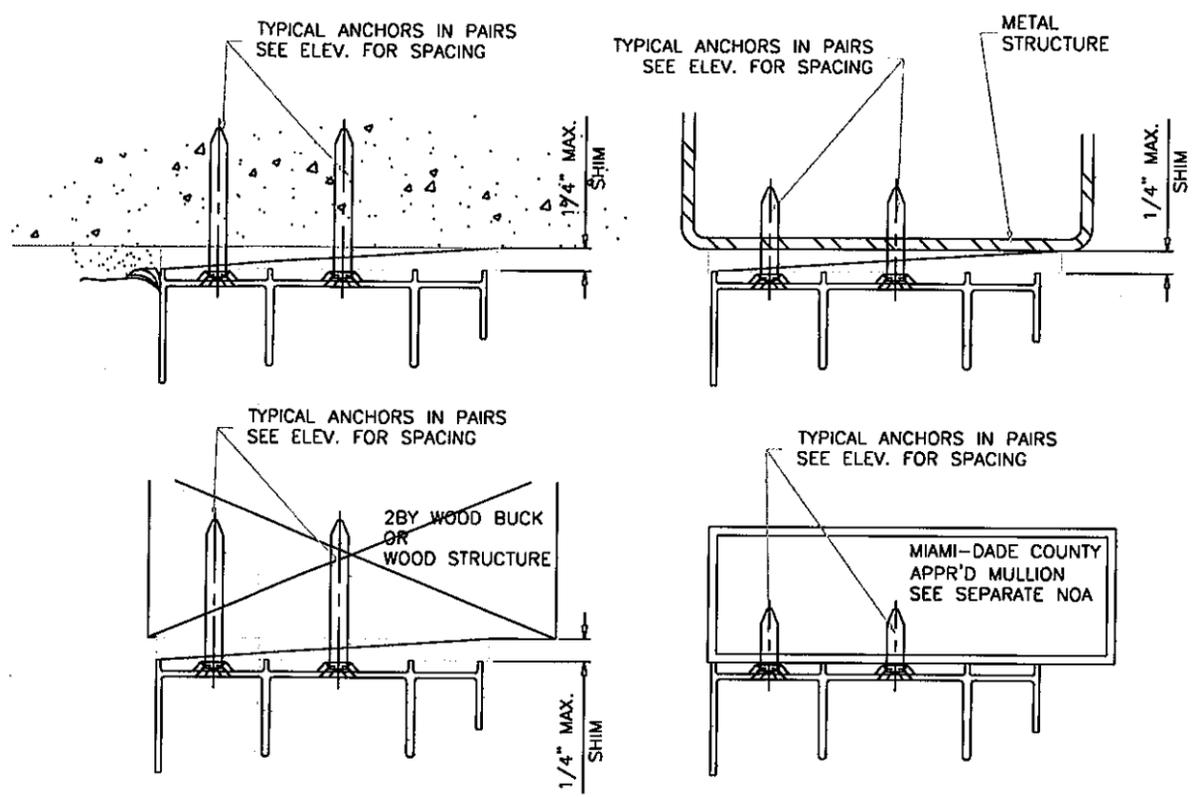
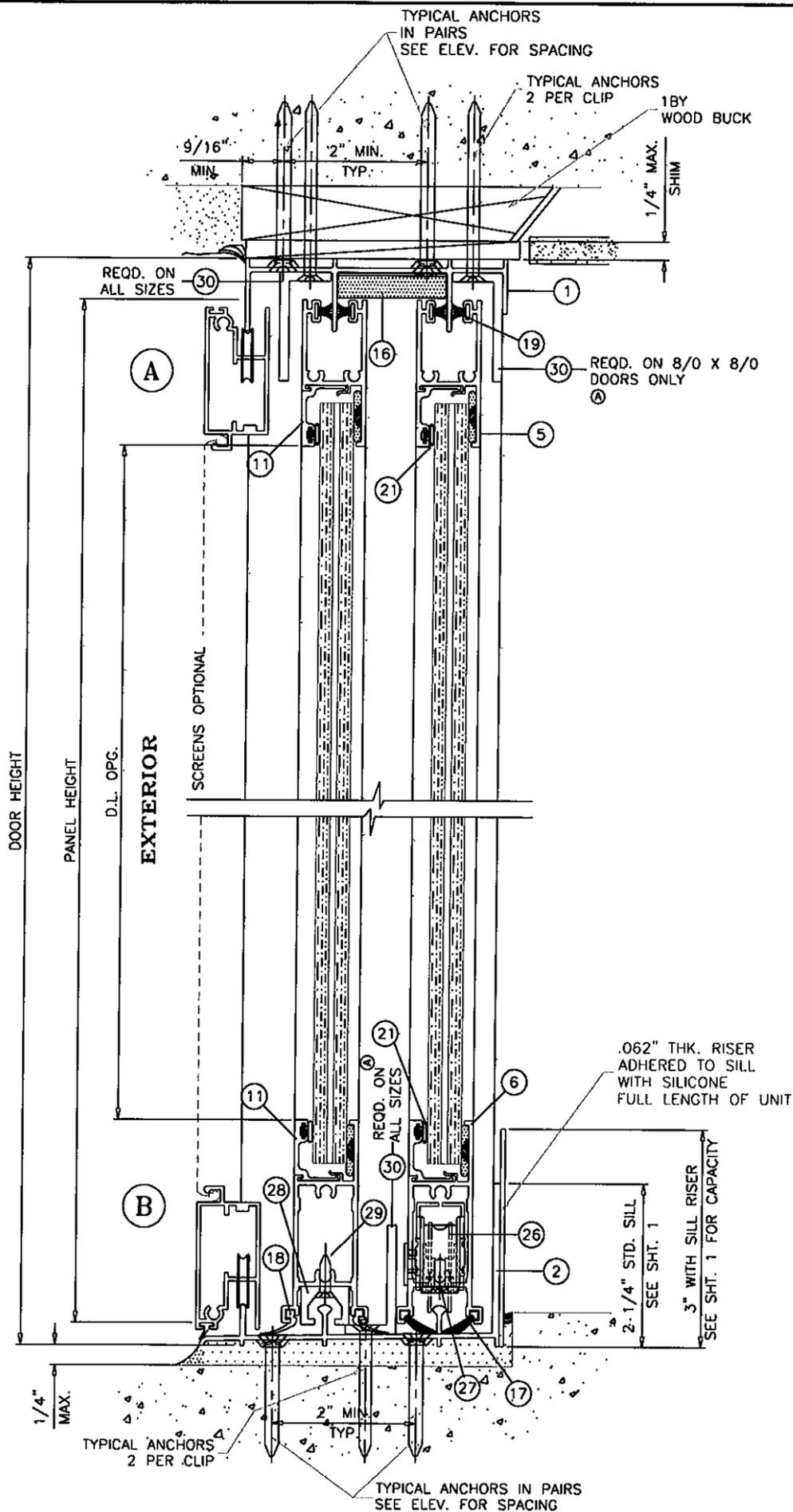
SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

APPROVED ELEVATIONS, GENERAL NOTES, GLAZING DETAILS & DP LOAD CHARTS

Product Reference Number: L9200-1102

Sheet: 1 OF 4

DATE:



WOOD BUCKS AND METAL STRUCTURES NOT BY LAWSON IND. MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA TAPCONS
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 1-3/8" MIN. PENETRATION INTO WOOD
 THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
 1-1/4" MIN. EMBED INTO MASONRY OR CONC.
 DIRECTLY INTO CONCRETE OR MASONRY
 1-1/4" MIN. EMBED INTO CONCRETE OR MASONRY

#14 SMS OR SELF DRILLING SCREWS
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#10 SMS
 INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")
 (NO SHIM SPACE)

TYPICAL EDGE DISTANCES
 INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

SEALANTS:

FRAME AND VENT CORNERS AND INSTALLATION SCREWS AT SILL SEALED WITH WHITE/ALUMINUM COLORED SEALANT.

PRODUCT RENEWED as complying with the Florida Building Code
 Acceptance No. 12-0127.06
 Expiration Date 06/13/2013
 By *[Signature]*
 Miami Dade Product Control

LAWSON INDUSTRIES, INC.

8501 N.W. 90 ST.
 MEDLEY, FLORIDA 33166
 PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
 SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
 VERTICAL CROSS SECTIONS, DETAILS & ANCHOR NOTES

Revision Notes: A. Revised to Comply w/ 2010 FBC	Date Drawn: 04/26/11
Drawn By: N. ERAZO	Date Revised: 01/20/12
Revised By: N. ERAZO	Scale: A
Revision Level: A	

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FL LIC. # 55225

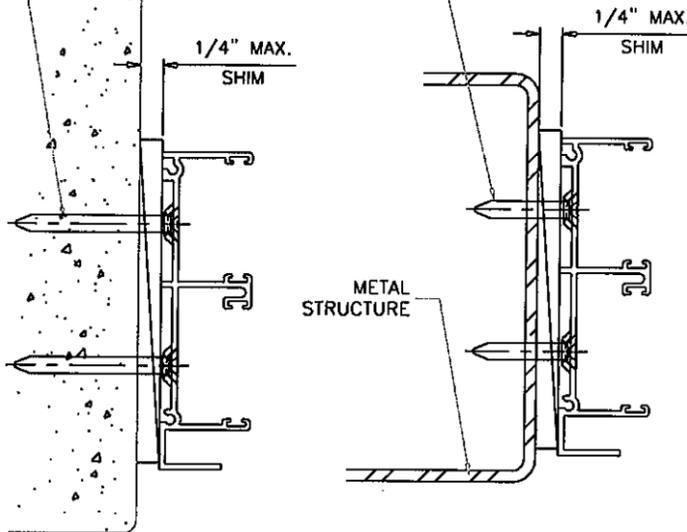
STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE NO. 55225

DATE: _____

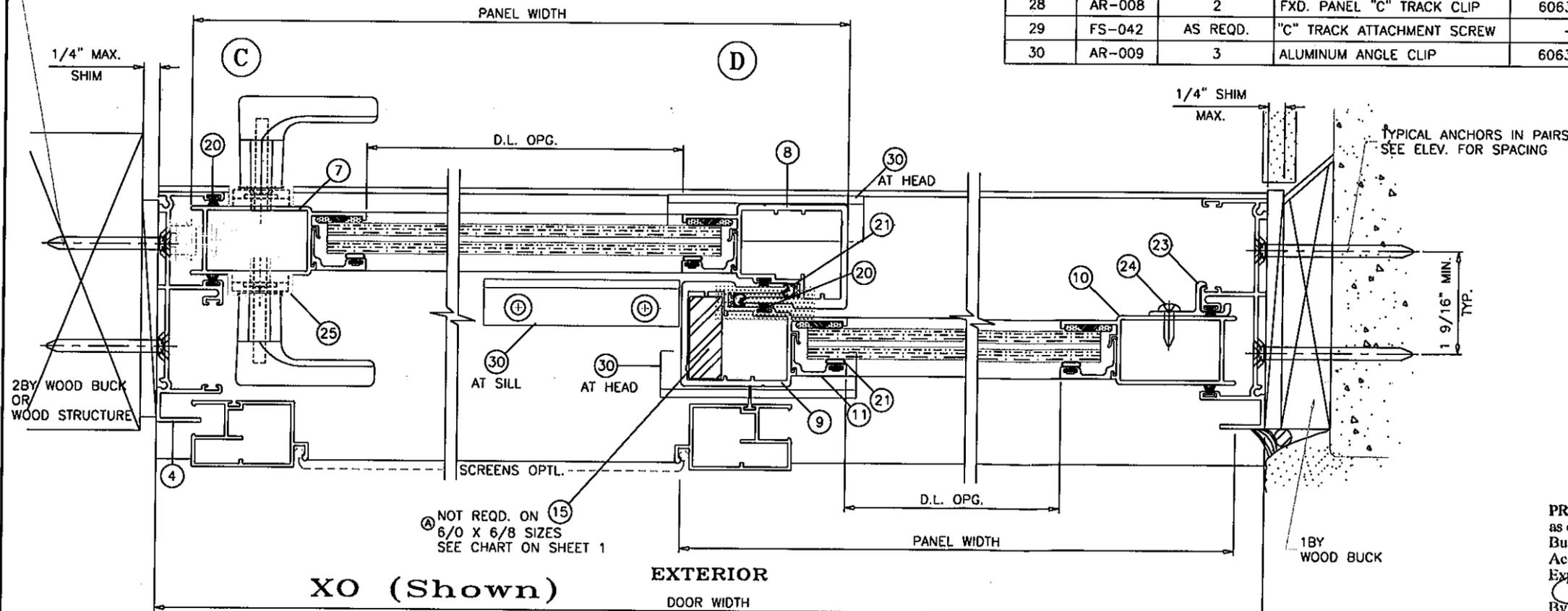
Sheet: 2 OF 4
 Drawing Number: L9200-1102
 Product Reference Number: _____

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



TYPICAL ANCHORS IN PAIRS
SEE ELEV. FOR SPACING



XO (Shown)
OX (Reversed)

Flexible Vinyl (FPVC) Composition - Team Plastics, Inc.			
*1. FPVC Black: Compound No. 7200-75			
PHYSICAL		ASTM NO.	
Durometer Hardness "A", 10 sec	75	D-2240	
Specific Gravity	1.45	D-792	
Tensile Strength, PSI	1640	D-638	
Ultimate Elongation, %	340.0	D-638	
Modulus @ 100% Elongation, PSI	765.0	D-638	
Impact Brittleness,	-31.0	D-746	
*2. FPVC White: Compound No. 7267-75			
PHYSICAL		ASTM NO.	
Durometer Hardness "A", 10 sec	75	D-2240	
Specific Gravity	1.45	D-792	
Tensile Strength, PSI	1640	D-638	
Ultimate Elongation, %	325.0	D-638	
Modulus @ 100% Elongation, PSI	765.0	D-638	
Impact Brittleness,	-30.0	D-746	

SGD-9200 ALUMINUM SLIDING GLASS DOOR BILL OF MATERIALS					
ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	L-9001	1	FRAME HEAD	6063-T6	PROFILE
2	L-9206	1	FRAME SILL - 1 3/4" HI	6063-T6	PROFILE
3	-	-	-	-	PROFILE
4	L-9212	2	FLANGE FRAME JAMB	6063-T5	PROFILE
5	L-9204	1	PANEL TOP RAIL	6063-T5	PROFILE
6	L-9205	1	PANEL BOTTOM RAIL	6063-T5	PROFILE
7	L-9201	1	PANEL LOCK STILE	6063-T6	PROFILE
8	L-9202	1	PANEL INTERIOR INTERLOCK	6063-T6	PROFILE
9	L-9203	1	PANEL EXTERIOR INTERLOCK	6063-T6	PROFILE
10	L-9201	1	PANEL FIXED STILE	6063-T6	PROFILE
11	L-9209	AS REQ'D.	ALUMINUM GLAZING BEAD	6063-T5	PROFILE
12	FS-005	AS REQ'D.	FRAME ASSEMBLY SCREWS	-	#6 X 1/2" P.H. PHILLIPS
13	FS-013	AS REQ'D.	PANEL ASSEMBLY SCREWS	-	#10 X 1" P.H. PHILLIPS
14	-	-	-	-	-
15	AR-020	1	HOT ROLLED STEEL BAR	A36 STEEL	1/2" X 1 1/4" BAR (36 KSI)
16	L-9016	1	SELF ADHESIVE PILE PAD	-	13/16" X 1 1/2"
17	PWS-016	AS REQ'D.	MVG. BOTTOM RAIL WTS'P	-	ULTRAFAB #QB6757DK
18	VWS-016	AS REQ'D.	Fxd. Bottom Rail Vinyl Wts'p.	Team Plastics	See Material Composition @ Sheet 4
19	PWS-009	AS REQ'D.	PANEL TOP RAIL WTS'P	-	.187"x.310" (7830-6001-1)
20	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	-	.187"x.210" (7820-6001-9)
21	VWS-004	AS REQ'D.	1/4" O.D. Bulb Vinyl Wts'p.	Team Plastics	See Material Composition @ Sheet 4
22	HC-043	2X PANEL	PANEL TOP GUIDE	NYLON 6-6	SUNCOPLASTICS Rockwell M scale 79
23	L-9018	4/ FIX. PANEL	FIXED PANEL JAMB CLIP	6063-T5	PROFILE
24	FS-011	1 X CLIP	FIXED PANEL CLIP SCREW	-	#10 X 5/8" P.H./PHIL.
25	HC-047	1	MORTISE LOCK HARDWARE	-	W/ HANDLES & KEEPER
26	HC-046	2	MVG. PANEL TANDEM ROLLER	-	2 X EA. MVG. BOT. RAIL
27	FS-003	2	ROLLER ATTACHMENT SCREW	-	#8 X 1/2" F.H./PHIL.
28	AR-008	2	FXD. PANEL "C" TRACK CLIP	6063-T5	2 X EA. FXD. BOT. RAIL
29	FS-042	AS REQD.	"C" TRACK ATTACHMENT SCREW	-	#10 X 1" F.H./PHIL.
30	AR-009	3	ALUMINUM ANGLE CLIP	6063-T5	.704" X 1.50" X 125" X 3"

LAWSON
INDUSTRIES, INC.

8501 N.W. 90 ST.
MEDLEY, FLORIDA 33166
PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS

SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)

BILL OF MATERIALS, INSTALLATION DETAILS & TWO DOOR HORIZONTAL CROSS SECTION

Product Reference Number: L9200-1102

Drawing Number: 3 OF 4

Revision #: 3 OF 4

Revision Notes:	A. Revised to Comply w/ 2010 FBC
Drawn By:	N. ERAZO
Date Drawn:	04/26/11
Revised By:	N. ERAZO
Date Revised:	01/20/12
Revision Level:	A
Scale:	A

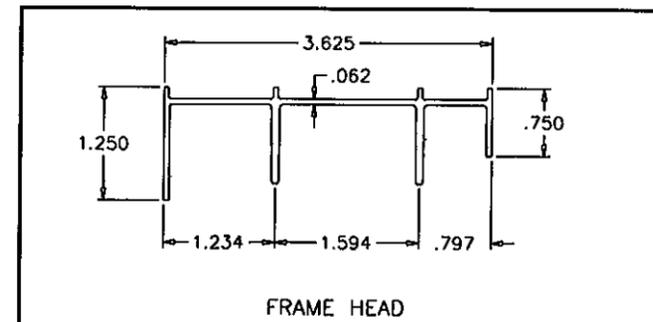
THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FLORIDA
LICENSE NO. 55225
EXPIRES 12-01-13

STATE OF FLORIDA
PROFESSIONAL ENGINEER

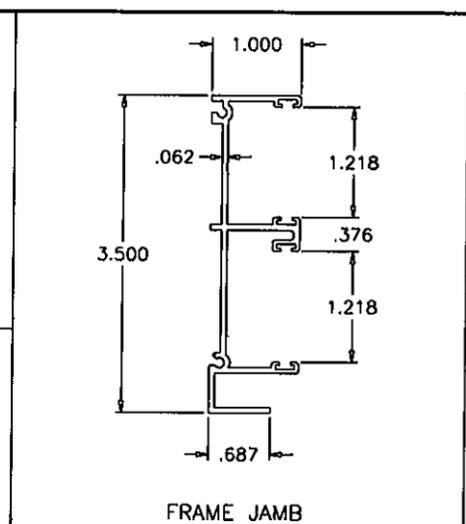
DATE: _____

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-0127.06
Expiration Date 06/13/2013

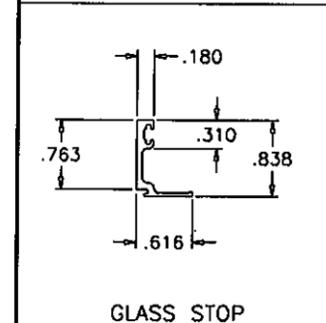
By: _____
Miami Dade Product Control



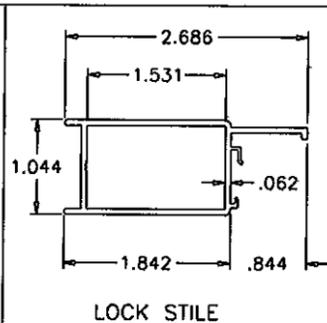
FRAME HEAD



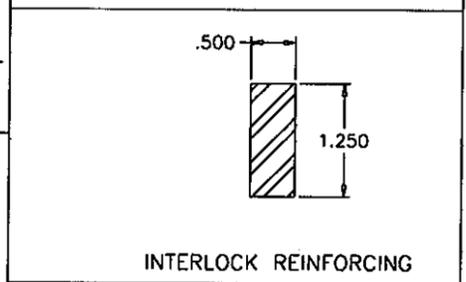
FRAME JAMB



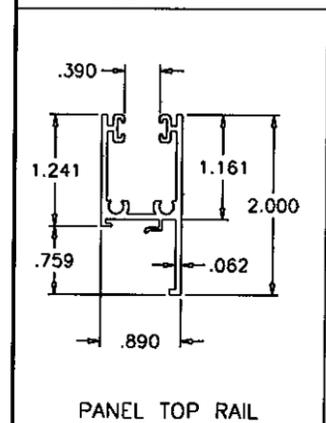
GLASS STOP



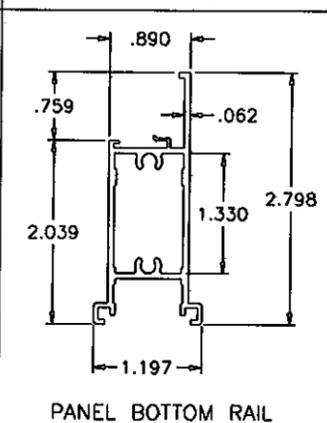
LOCK STILE



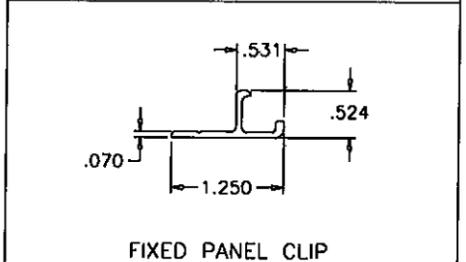
INTERLOCK REINFORCING



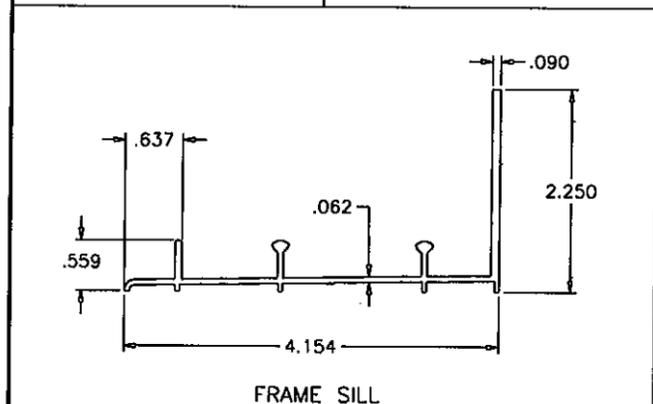
PANEL TOP RAIL



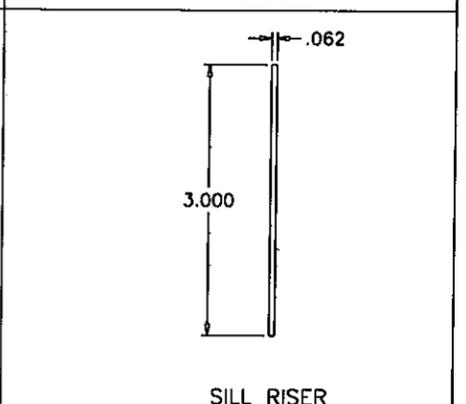
PANEL BOTTOM RAIL



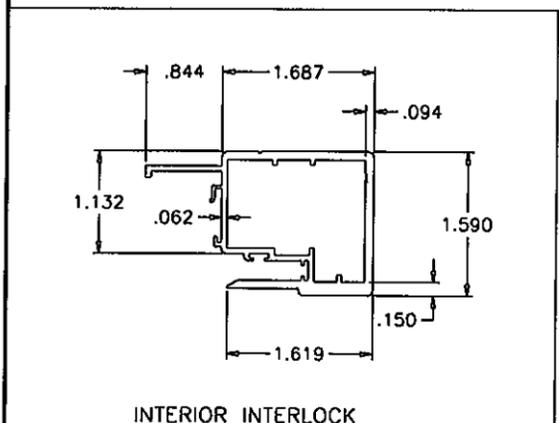
FIXED PANEL CLIP



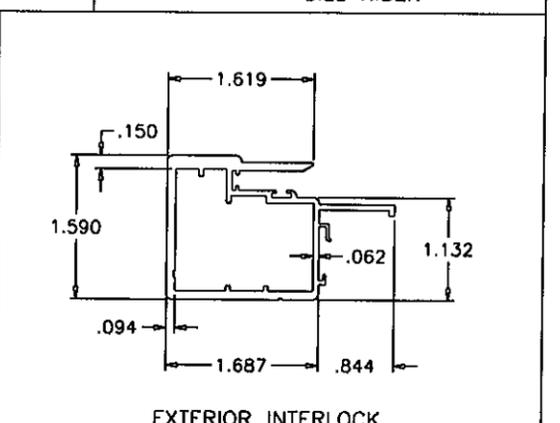
FRAME SILL



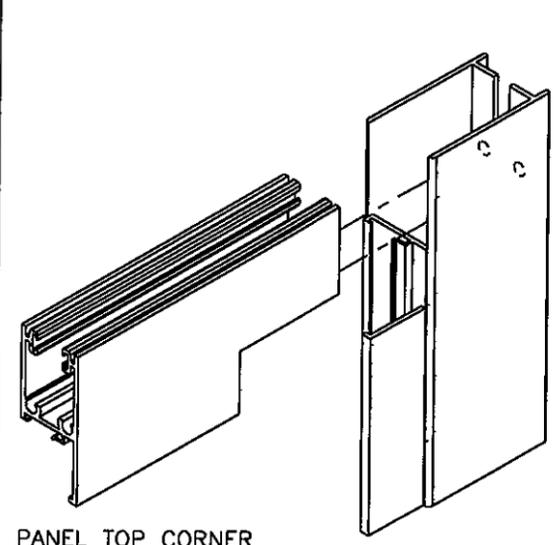
SILL RISER



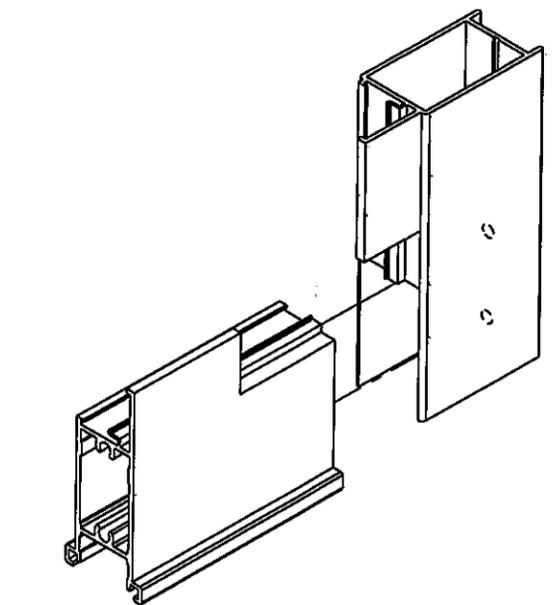
INTERIOR INTERLOCK



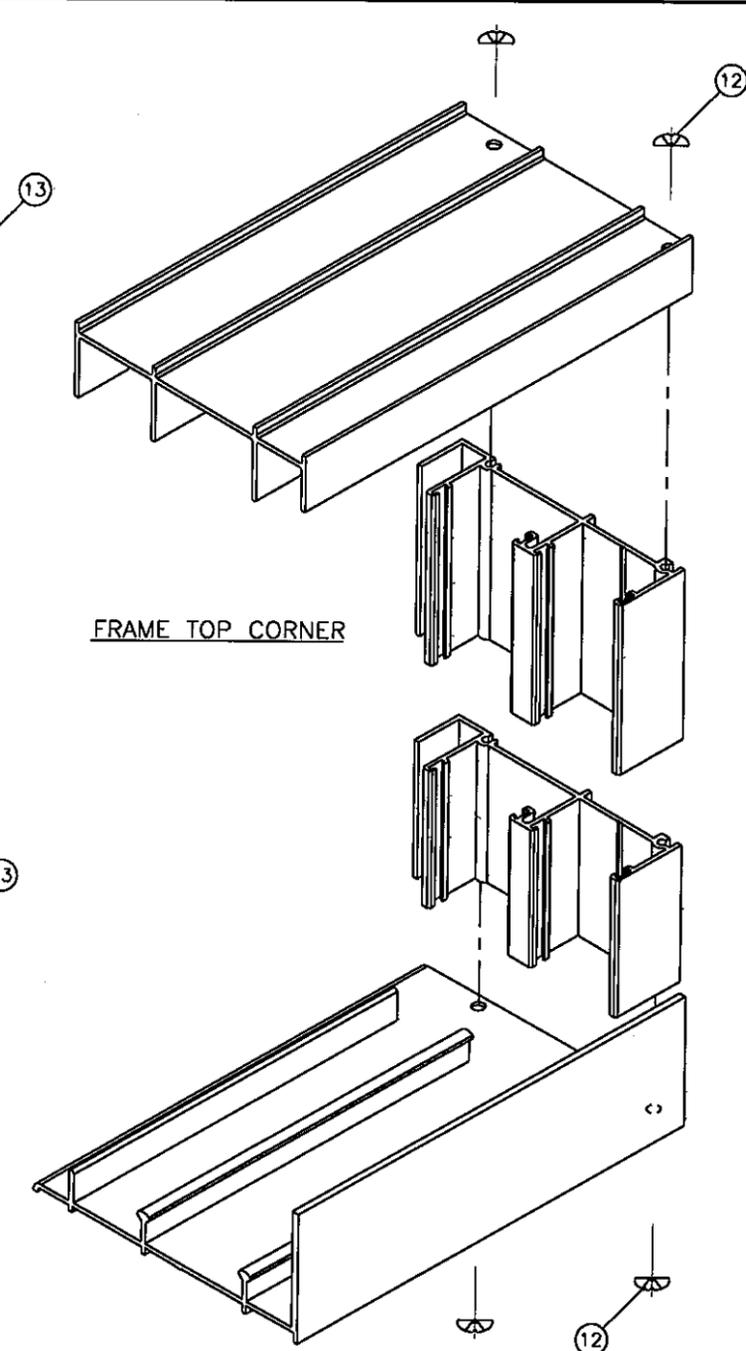
EXTERIOR INTERLOCK



PANEL TOP CORNER



PANEL BOTTOM CORNER



FRAME TOP CORNER

FRAME BOTTOM CORNER

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0127.06
 Expiration Date 06/13/2013
 By *[Signature]*
 Miami Dade Product Control

LAWSON
 INDUSTRIES, INC.

8501 N.W. 90 ST.
 MEDLEY, FLORIDA 33166
 PH No. (305) 696-8660

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
 SGD-9200 ALUMINUM SLIDING GLASS DOOR (L.M.I.)
 EXTRUSION DETAILS & CORNER ASSEMBLY DETAILS

Revision Notes: A. Revised to Comply w/ 2010 FCC	Date Drawn: 04/26/11	Drawn By: N. ERAZO
	Date Revised: 01/20/12	Revised By: N. ERAZO
	Scale: A	Revision Level: A

THOMAS J. SOTOS
 PROFESSIONAL ENGINEER
 FLA. LIC. NO. 55225

STATE OF FLORIDA
 PROFESSIONAL ENGINEERS

DATE: _____