MIAMI-DADE COUNTY

BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

NOTICE OF ACCEPTANCE (NOA)

Lawson Industries, Inc.
8501 NW 90th Street
Miami, 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 "1400 Sculptura" Aluminum Sliding Glass Door -NI
APPROVAL DOCUMENT: Drawing No. **LTU-1400,** titled "Series-SGD-1400 "Scultura" Non-Impact Sliding Glass Door, sheets 1 through 6 of 6, prepared by manufacturer, dated 03/18/97 and last revised on April. 02, 2007, signed and sealed by Thomas J. Sotos, 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 Division.
MISSILE IMPACT RATING: None: Approved Hurricane Shutters complying w/FBC, as applicable are required.
LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 & renews NOA # 01-0814.09** consists of this page 1 and evidence page E-1, as well as approval document mentioned above.
The submitted documentation was reviewed by **Ishaq I. Chanda, P. E.**

4/27/7

PRODUCT CONTROL ACCEPTED

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS (transferred from file **01-0814.09**)

1. Manufacturer's die drawings and sections.
2. Drawing No. **LTU-1400,** titled "Series-SGD-1400 "Scultura" Non-Impact Sliding Glass Door, sheets 1 through 6 of 6, prepared by manufacturer, dated 03/18/97 and last revised on April. 02, 2007, signed and sealed by Thomas J. Sotos, P.E.

B. TESTS (transferred from file **# 01-0814.09**) Original test conducted per SFB, PA 202-94, now known as FBC, TAS 202-94

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 and TAS 202-94

   Along with marked-up drawings and installation diagram of an Aluminum Sliding Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-1450, dated 08/15/97, signed and sealed by Late Gill Diamond, P.E.

C. CALCULATIONS

1. Anchor verification calculation, complying w/ FBC 2004, prepared by manufacturer dated 12-13-06, signed and sealed by Thomas J. Sotos, P.E.
2. Glazing complies with ASTME-1300-98 & -02.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

None.

F. STATEMENTS

1. Statement letter of compliance and of no financial interest, dated 11/28/05 and 12/13/2006, signed and sealed by Thomas J. Sotos, P.E.
2. Lab compliance statements, part of above referenced test reports.
3. Statement letter dated 04-04-07, issued by Fenestration Testing Lab for scheduled test for Lawson Series 1400 SGD, signed by Leigh B. Sanchez.

G. OTHER

1. This NOA **revises** & **renews # 01-0814.09 (97-0623.05)** expired on December 01, 2005
2. One year conditional renewal subjected to re-verification test.

Ishaq I. Chanda

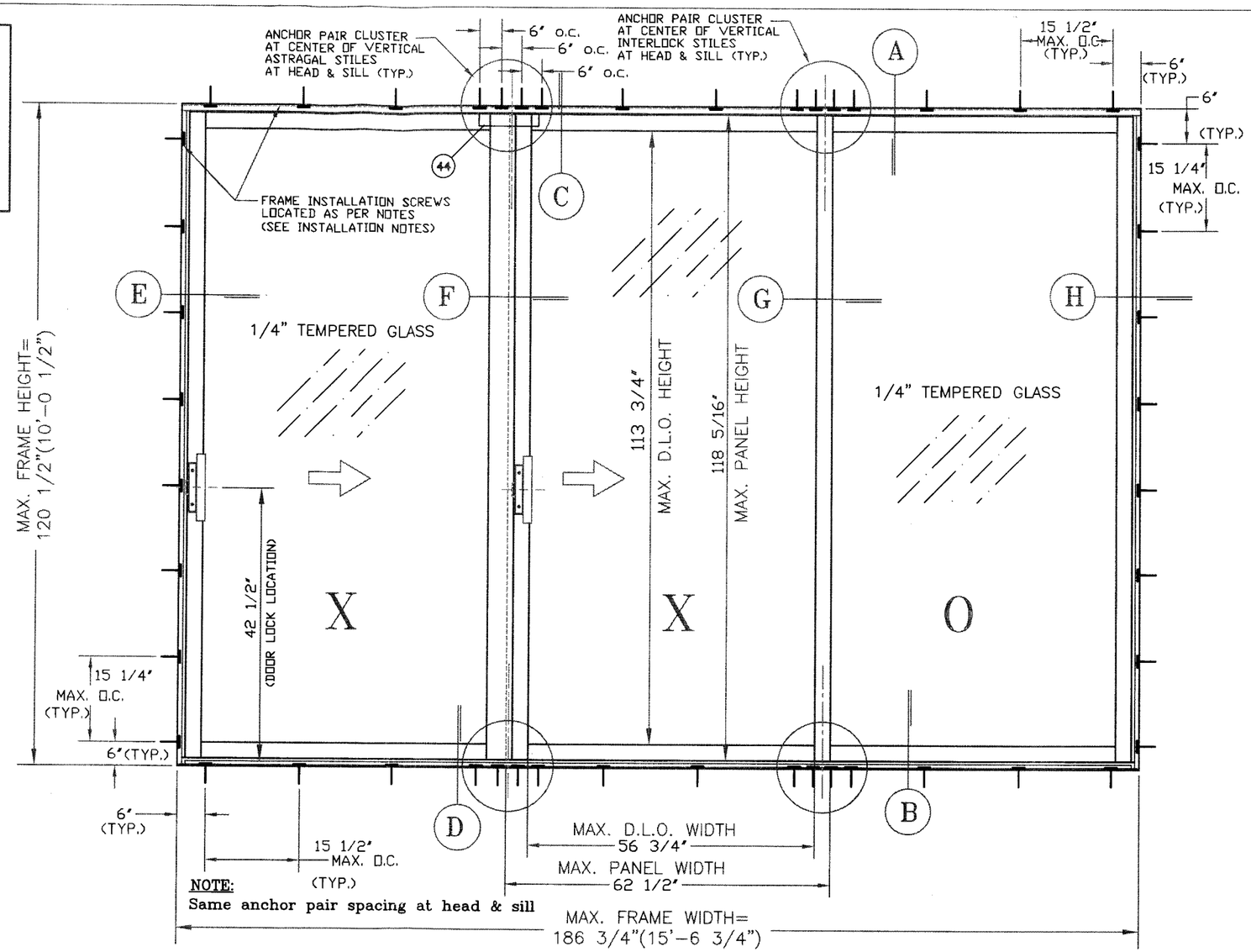
Ishaq I. Chanda, P. E.
Product Control Examiner
NOA No 05-1201.02
Expiration Date: May 17, 2008
Approval Date: May 17, 2007

TEST UNIT DATA:
LAB NO.: FTL-1446
FRAME SIZE: 186.75"w. X 120.50"h.
PANEL SIZE: 62.50"h. X 118.312"h.
GLASS TYPE: 1/4" TEMPERED
W.T.P.= 7.0 PSF (w/ 2.562"h. SILL)
D.P.= 46.6 PSF
S.T.P.= 70.0 PSF
REINF.: NONE

TEST UNIT DATA:
LAB NO.: FTL-1450
FRAME SIZE: 186.75"w. X 120.50"h.
PANEL SIZE: 62.50"h. X 118.312"h.
GLASS TYPE: 1/4" TEMPERED
W.T.P.= 14.0 PSF (w/ 4.000"h. SILL)
D.P.= 70.0 PSF
S.T.P.= 105.0 PSF
REINF.: STEEL TUBE IN EXTERIOR INTERLOCK

General Notes:

1.) THIS DOOR SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE AND ASTM 1300-98. THIS PRODUCT IS NOT IMPACT RESISTANT.
2.) 1 X OR 2 X P.T. WOOD BUCKS SHALL BE INSTALLED AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 2004 F.B.C. & TO BE REVIEWED BY BUILDING OFFICIAL.
3.) ANCHORS SHOWN ON ELEVATION ARE AS PER TEST UNITS. EXTERIOR ANCHOR SPACINGS WILL VARY WITH UNIT DIMENSIONS AND THE NUMBER OF ANCHORS REQUIRED, AS SPECIFIED ON SHEETS 1 AND 6. (SEE INSTALLATION NOTES)
4.) OTHER ANCHOR CONDITIONS NOT DESCRIBED IN THESE DRAWINGS ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED AND APPROVED BY THE LOCAL BUILDING OFFICIAL.
5.) GLASS QUALIFIED TO BE 1/4" TEMPERED AS TABULATED HEREIN.
6.) SEE TABLES AT SHEET #5 FOR DESIGN LOAD PRESSURES.
7.) SEE SHEET #2 FOR APPROVED DOOR TYPES, CONFIGURATIONS, AND ANCHOR LOCATIONS.



NOTE:
Same anchor pair spacing at head & sill

SERIES: SGD-1400 SLIDING GLASS DOOR - NON-IMPACT

ANCHOR NOTES:

1. ALL ANCHORS ARE IN PAIRS.
2. SEE ELEVATION AT SHEET 1 OF 6 FOR ANCHOR O.C. MAX. SPACING AND LOCATIONS.
3. SEE SHEET 1 OF 6 FOR INTALLATION FASTENERS TYPES.
4. SEE D.P. TABLES ON SHEET 5 OF 6 FOR QUANTITY OF FASTENERS PER FRAME JAMBS.
5. SEE SHEET 4 OF 6 FOR DOOR INSTALLATION NOTES.

WOOD INSTALLATION NOTE:

INSTALLATION SCREWS & METHOD OF ATTACHMENT INTO 2X P.T. WOOD:

** ALL INSTALLATION SCREWS SPECIFIED ARE IN PAIRS - SEE MAX. SPACING

HEAD: #14 S.M.S. w/ 1 1/2" min. embedment at a max, of 6" from ea. end and 15 1/2" o.c. max.
SILL: #14 S.M.S. w/ 1 1/2" min. embedment at a max, of 6" from ea. end and 15 1/2" o.c. max.
JAMB: #14 S.M.S. w/ 1 1/2" min. embedment at a max, of 6" from ea. end and 15 1/4" o.c. max.

CONC. INSTALLATION NOTE:

INSTALLATION SCREWS & METHOD OF ATTACHMENT INTO CONCRETE:

** ALL INSTALLATION SCREWS SPECIFIED ARE IN PAIRS - SEE MAX. SPACING

HEAD: 5/16" ITW TAPCON w/ 1 3/4" EMBEDMENT at a max, of 6" from ea. end and 15 1/2" o.c. max.
SILL: 5/16" ITW TAPCON w/ 1 3/4" EMBEDMENT at a max, of 6" from ea. end and 15 1/2" o.c. max.
JAMB: 5/16" ITW TAPCON w/ 1 3/4" EMBEDMENT at a max, of 6" from ea. end and 15 1/4" o.c. max.

DOORS ARE TO BE PROTECTED WITH MIAMI DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS

PRODUCT RENEWED
as complying with the Florida Buiding Code
Acceptance No 05-1201.02
Expiration Date MAY 17, 2008
By Ishwar I. Chanda
Miami Dade Product Control Division

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE_____

LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660

SERIES SGD-1400 "SCULPTURA"
NON-IMPACT SLIDING GLASS DOOR GLAZED WITH 1/4" TEMPERED GLASS
GENERAL NOTES, THREE DOOR ELEVATION, ANCHOR NOTES & INSTALLATION NOTES

revisions:

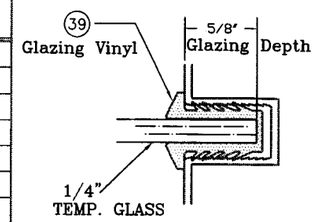
no.	date	by	description
1	7-18-01	N.E.	ADDED NEW ADDRESS
2	10-15-05	N.E.	AS PER 2004 FBC
3	12-13-06	N.E.	ADDED NOTES AS M-D BCCO

date: 3-18-97
scale: NONE
drawn by: N.Erazo
revised by: N.Erazo
checked by: N.Erazo

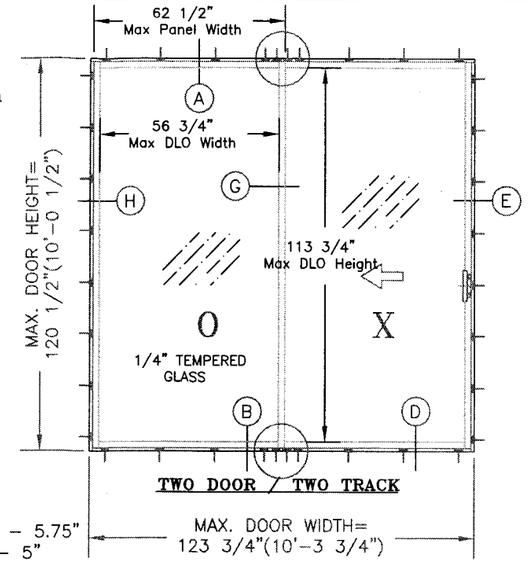
Drawing no.
LTU-1400

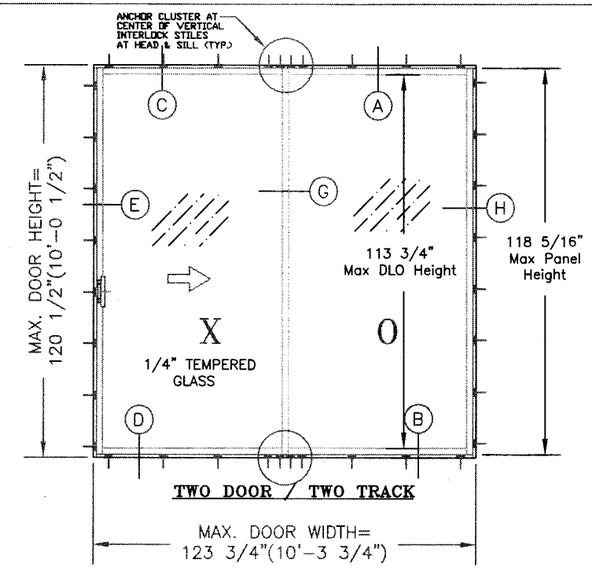
SGD-1400
"SCULPTURA" H.C. - S.G.D.
SINGLE GLAZED 1/4" GLASS DOOR - BILL OF MATERIAL

No.	Part Description	Dwg. No.	Part No.	Purch. No.	Qty.
1	FRAME HEADER RECEPTOR	L-1401	40190	1594	1
2	FRAME HEAD (with receptor)	L-1403	40194	1516	1
3	FRAME SILL	L-1404	40191	1641	1
4	SILL/TRACK 4' ADD-ON RISER	L-1405	40192	1647	See D.P. Table
5	SILL/TRACK THRESHOLD	L-1406	40193	1687	See D.P. Sable
6	FRAME JAMB	L-1407	40195	1740	1L & 1R
7	FRAME JAMB SHEAR PLATE	L-1424	1 @ each jamb pair of anchor		
8	JAMB CLIP (ext. fixed panel)	L-1413	40247	1326	1
9	STILE (lock, male, fixed)	L-1408	40210	1840	4
10	STILE (interlock)	L-1409	40209	1829	2
11	STILE (heavy duty astragal adapt.)	L-1411	40207	1813	1
12	HORIZONTAL RAIL (top & bott.) MVG.	L-1412	40208	1825	2 x mvg. panel
13	HORIZONTAL RAIL (top & bott.) FXD.	L-1412	40208	1825	2 x fxd. panel
14	ANGLE CLIP (anti-lift/weathering)	L-1414	43060	1313	2 X INTERLOCK
15	J' PILE HOLDER (astragal)	L-1415	43062	1350	2
16	SILL/TRACK INSERT	L-1416		1684	1
17	FIXED PANEL INTERIOR CLIP	L-1413	40247	1326	1 FULL LENGTH
18	SCREEN JAMB ADAPTER	L-1417	43065	8114	1
19	Box Screen/Spline Insert - Adapter	L-1419		31244	as req'd.
20	Box Screen Lock Stile	L-1420		AF-10398	1
21	Box Screen Weathering Stile	L-1421	Modified	AF-10402	1
22	Box Screen Top Rail	L-1422		AF-10401	1
23	Box Screen Bottom Rail	L-1423		AF-10400	1
24	FIN/PILE WTS'P. (receptor)	PWS-006	.187x.290	FS-7828	as req'd.
25	VINYL WEDGE (receptor)	VWS-006	.190x.240	WV-8158	as req'd.
26	FIN/PILE WTS'P. (top / bott. rail)	PWS-007	.270x.310	FS-7830	as req'd.
27	FIN/PILE WTS'P. (lock/fixed stile)	PWS-007	.270x.310	FS-7830	as req'd.
28	FIN/PILE WTS'P. (interlock stile)	PWS-007	.270x.310	FS-7830	as req'd.
29	FIN/PILE WTS'P. ('J' holder)	PWS-007	.270x.310	FS-7830	as req'd.
30	PILE WTS'P. (screen top/bott.)	PWS-008	.187x.320	PB-8331	as req'd.
31	VINYL WTS'P. (screen stile)	VWS-005	.187x.750	WV-2224	as req'd.
32	PAD (closed cell foam, pvc)	L-1432	1/2' x 1 7/8' x 2' long		as req'd.
33	PLASTIC WEEP FLAP @ 30' O.C.	WFC-002	1/4' x 1' long		(5' from each end)
34	PAD (open cell foam, pvc)	L-1434	1/2' x 1 7/8' x 6' long		as req'd.
35	NYLON (stem bumper) GUIDE	L-1435	*		as req'd.
36	NYLON PLUG	L-1436	*		as req'd.
37	PANEL BUMPER	L-1437	*		as req'd.
38	F.E.R. SECURITY LOCK	L-1438	*		1
39	GLAZING VINYL (1/4')	L-1439	*		as req'd.
40	GLASS DOOR LOCK SET (hdw.)	L-1440	*		1
41	SCREEN DOOR LOCK SET (hdw.)	L-1441	*		1
42	TANDEM ROLLER (glass door panel)	L-1442	*		2 x panel
43	SINGLE ROLLER (screen panel)	L-1443	*		2 x panel
44	HEADER ALUMINUM REINFORCEMENT	L-1444	1-3/8'x1-7/8'x1-3/8'		1 - 10' long
45	STEEL TUBE REINFORCEMENT	L-1445	1-1/2' x 2' x 1/8'		SEE DP TABLE
46	FASTENER - frame ass'y.	FS-006	# 8x3/4' Ph.Pn.'A'		8
47	FASTENER - panel ass'y.	FS-007	# 8x3/4' Ph.Pn.SDS		8 x panel
48	FASTENER - fxd. panel/ jamb	FS-008	#10x3/4' Ph.Pn.SDS		14 1/4' o.c.
49	FASTENER - astragal stile adapter	FS-008	#10x3/4' Ph.Pn.SDS		12' o.c.
50	FASTENER - attachment (sill riser)	FS-004	# 8x1/2' Ph.Pn.SDS		24' o.c.
51	FASTENER - attachment (wheel)	FS-003	# 8x1/2' Ph.Fh. 'B'		2 x wheel
52	FASTENER - head/receptor attach.	FS-007	# 8x3/4' Ph.Pn.SDS		20' o.c.
53	FASTENER - receptor installation	FS-013	SEE CROSS-SECTIONS		15 1/2' o.c.
54	FASTENER - frame sill installation	FS-016	SEE CROSS-SECTIONS		15 1/2' o.c.
55	FASTENER - frame jamb installat'n	FS-016	SEE CROSS-SECTIONS		15 1/4' o.c.
56	LABEL - manufacturer/certification	*	*		1
57	INTERIOR WEEP HOLES @ 27 3/4' O.C.	*	1/4' x 1' long (7 1/4'		from each end)



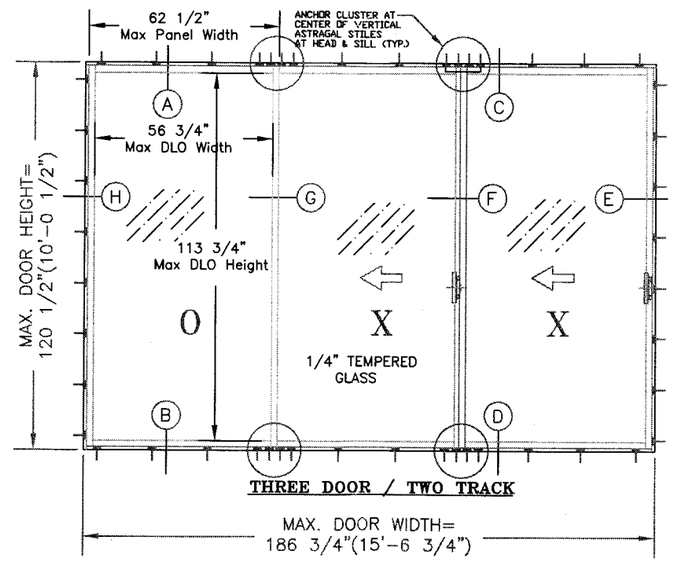
GLAZING DETAIL

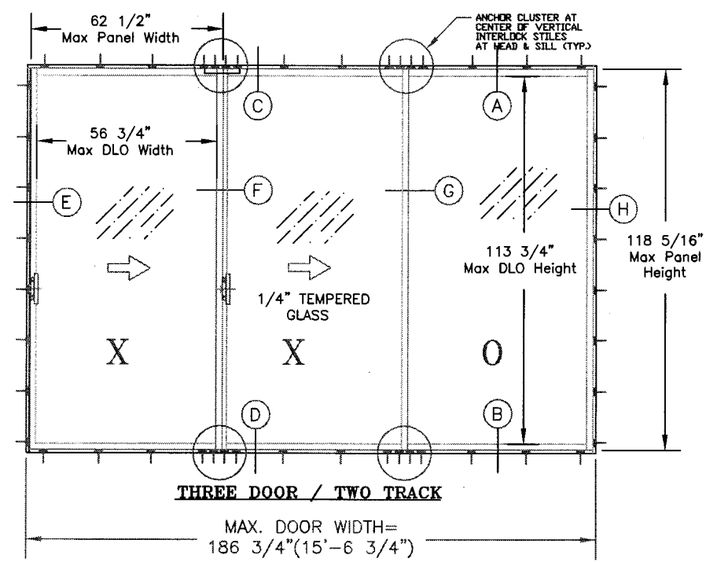




GLASS D.L.O. NOTES:

1. DLO HEIGHT= DOOR HEIGHT - 5.75"
2. DLO WIDTH= PANEL WIDTH - 5"





ELEVATIONS OF APPROVED CONFIGURATIONS

ANCHOR NOTES:

1. ALL ANCHORS ARE IN PAIRS.
2. SEE ELEVATION AT SHEET 1 OF 6 FOR ANCHOR O.C. MAX. SPACING AND LOCATIONS.
3. SEE SHEET 1 OF 6 FOR INTALLATION FASTENERS TYPES.
4. SEE D.P. TABLES ON SHEET 5 OF 6 FOR QUANTITY OF FASTENERS PER FRAME JAMBS.

NOTES:

1). QUALIFIES DOUBLE & TRIPLE PANELS (SEE ELEVATIONS).
2). MAX. FRAME SIZE 186 3/4"w. X 120 1/2"h. OXX or XXO
3). EXT & INT FALSE COLONIAL MUNTIN APPLIED W/SILICONE.
4). MAX. DAYLITE OPENING WIDTH = 56 3/4"
5). MAX. DAYLITE OPENING HEIGHT = 113 3/4"
6). SEE ELEVATION AT SHEET 1of4 FOR MAX. ANCHOR SPACING
7). ALL DIMENSIONS SPECIFIED ARE IN INCHES
8). DOORS WITH OR WITHOUT INSECT SCREEN.
9). HURRICANE SHUTTERS ARE REQUIRED

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 05-1201.02
Expiration Date MAY 17, 2008
By Isleg I. Lhanda
Miami Dade Product Control
Division

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE_____

LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660

SERIES SGD-1400 "SCULPTURA"

NON-IMPACT SLIDING GLASS DOOR GLAZED WITH 1/4" TEMPERED GLASS

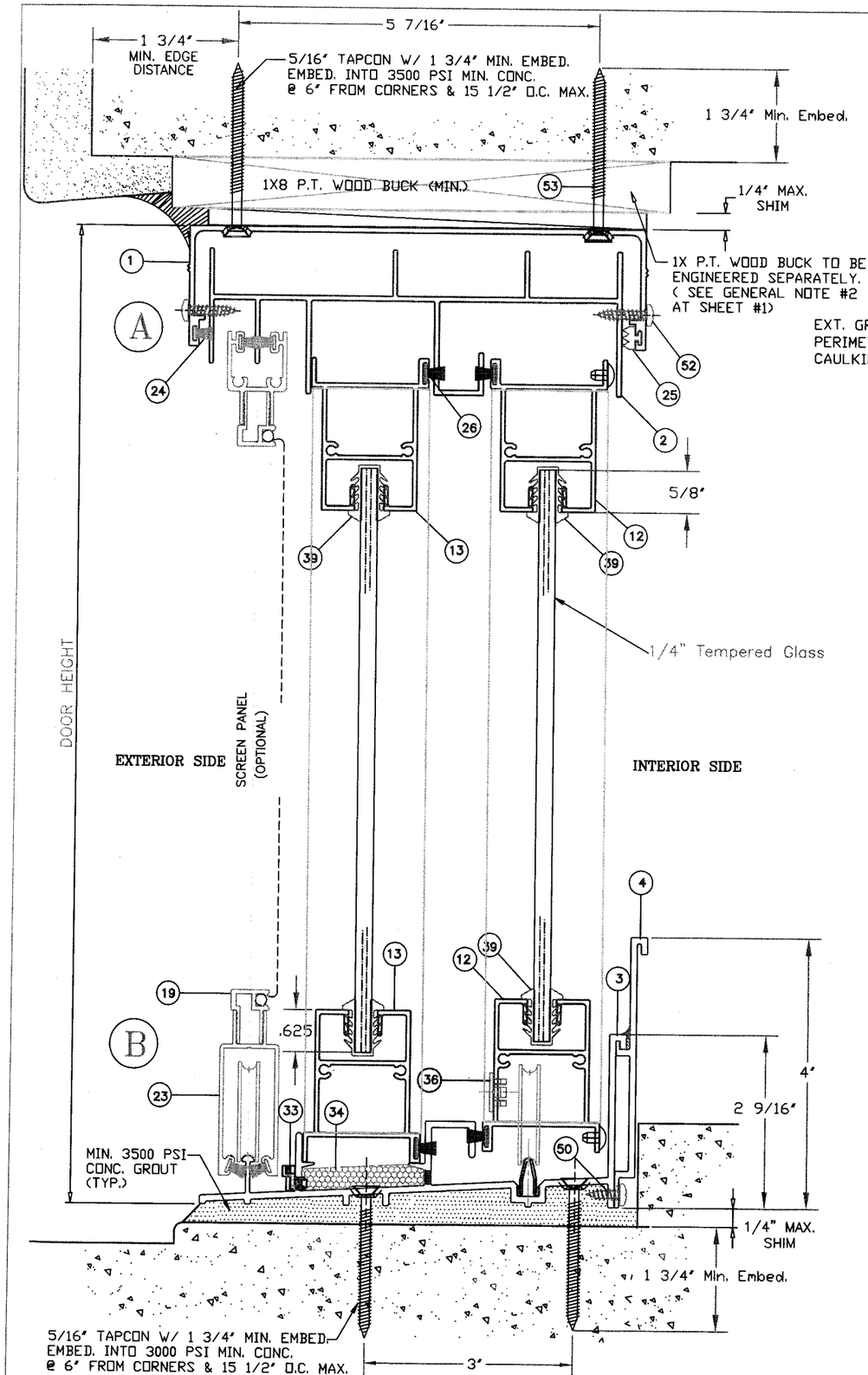
BILL OF MATERIALS, APPROVED ELEVATIONS, GLAZING DETAIL, & NOTES

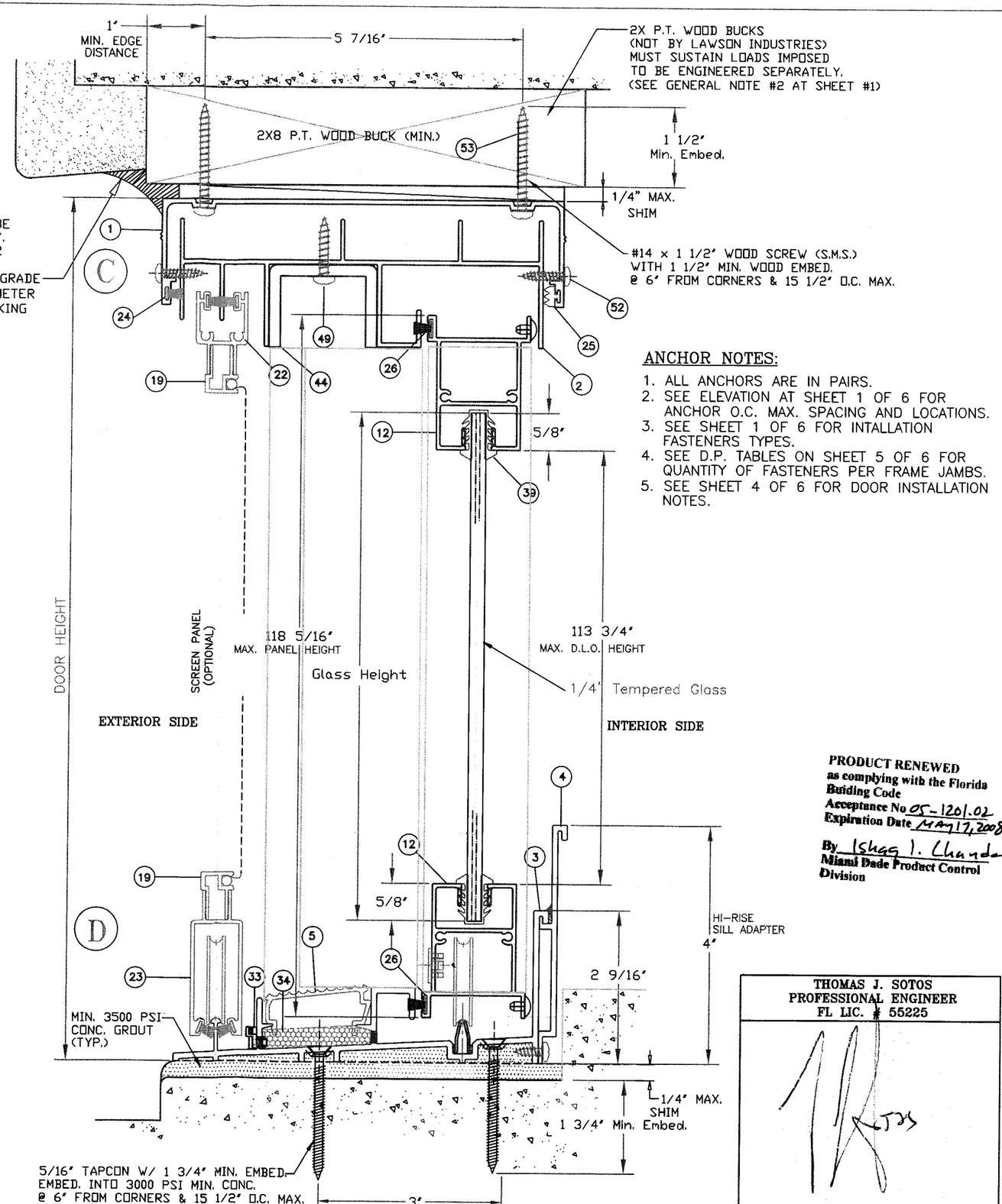
revisions:

no.	date	by	description
1	7-18-01	N.E.	ADDED NEW ADDRESS
2	10-15-05	N.E.	AS PER 2004 FBC
3	12-13-06	N.E.	ADDED NOTES AS M-D BCCO

date: 3-18-97
scale: NONE
drawn by: N.Erazo
revised by: N.Erazo
checked by: N.Erazo

Drawing no.
LTU-1400





ANCHOR NOTES:

1. ALL ANCHORS ARE IN PAIRS.
2. SEE ELEVATION AT SHEET 1 OF 6 FOR ANCHOR O.C. MAX. SPACING AND LOCATIONS.
3. SEE SHEET 1 OF 6 FOR INTALLATION FASTENERS TYPES.
4. SEE D.P. TABLES ON SHEET 5 OF 6 FOR QUANTITY OF FASTENERS PER FRAME JAMBS.
5. SEE SHEET 4 OF 6 FOR DOOR INSTALLATION NOTES.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 05-1201.02
Expiration Date May 17, 2008
By Ishaq I. Chanda
Miami Dade Product Control Division

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE_____

LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660

SERIES SGD-1400 "SCULPTURA"

NON-IMPACT SLIDING GLASS DOOR
GLAZED WITH 1/4" TEMPERED GLASS

VERTICAL CROSS SECTIONS (DETAILS), AND ANCHOR NOTES

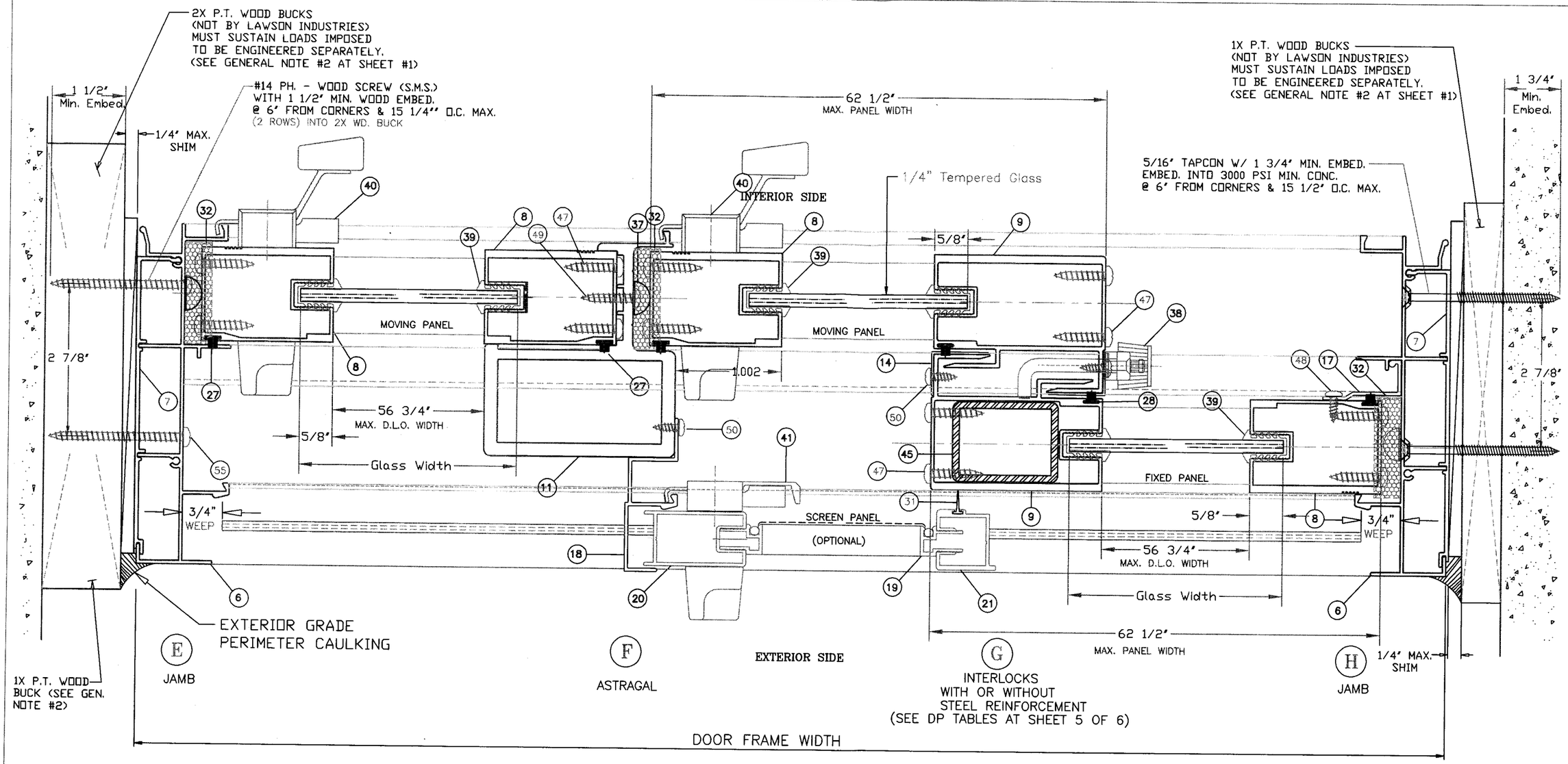
revisions:

no.	date	by	description
1	7-18-01	N.E.	ADDED NEW ADDRESS
2	10-15-05	N.E.	AS PER 2004 FBC
3	12-13-06	N.E.	ADDED NOTES AS M-D BCCO

date: 3-18-97
scale: HALF SIZE
drawn by: N.Erazo
revised by: N.Erazo
checked by: N.Erazo

Drawing no.
LTU-1400

sheet 3 of 6



DOOR INSTALLATION NOTES:

1. ALL WOOD BUCKS TO BE PRESSURE TREATED.
2. WOOD BUCKS BY OTHERS, (NOT BY LAWSON INDUSTRIES).
3. THE DOOR FRAME CORNER ASSEMBLY TO BE SEALED WITH AN APPROVED CORNER JOINT SEAM-SEALANT BY DOOR INSTALLER (TYP.).
4. ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE SEALED AROUND THE SCREW HEAD WITH AN APPROVED SEAM-SEALNT OR EXT. GRADE CAULK, BY DOOR INSTALLER (TYP.).
5. THE EXPOSED EXT. PERIMETER OF THE DOOR FRAME TO BE SEALED W/ AN APPROVED EXTERIOR GRADE CAULK BY OTHERS (TYP.)

ANCHOR NOTES:

1. ALL ANCHORS ARE IN PAIRS.
2. SEE ELEVATION AT SHEET 1 OF 6 FOR ANCHOR O.C. MAX. SPACING AND LOCATIONS.
3. SEE SHEET 1 OF 6 FOR INTALLATION FASTENERS TYPES.
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LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660

SERIES SGD-1400 "SCULPTURA"

NON-IMPACT SLIDING GLASS DOOR
GLAZED WITH 1/4" TEMPERED GLASS

HORIZONTAL CROSS SECTION (DETAILS),
AND DOOR INSTALLATION NOTES

revisions:

no.	date	by	description
1	7-18-01	N.E.	ADDED NEW ADDRESS
2	10-15-05	N.E.	AS PER 2004 FBC
3	12-13-06	N.E.	ADDED NOTES AS M-D BCCO

date: 3-18-97
scale: HALF SIZE
drawn by: N.Erazo
revised by: N.Erazo
checked by: N.Erazo

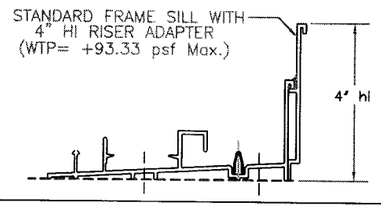
Drawing no.
LTU-1400

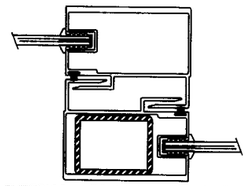
Comparative Analysis Lab. No.: FTL – 1450
Series: 1400 H.C. Sliding Glass Door " SCULPTURA "

TEST UNIT DATA:

Test Unit Size: 186 3/4' w. X 120 1/2' h.
Panel Size: 62 1/2' w. X 118 5/16' h.
Glass Type: 1/4' Tempered
Water test Pressure: WTP=14.0psf
Frame Sill Height= 4'
Design Pressure: DP= 70.0 psf
Structural Pressure: STP= 105.0 psf
Reinforcement: One Steel Tube

Frame & Door Specific Condition and Descriptive Details:





Design Pressure with Steel Reinforcement & Sill Riser

"TABLE # 1"

DOOR PANEL WIDTH		DOOR FRAME HEIGHT 6' – 8' / DOOR PANEL HEIGHT 77 13/16'			DOOR FRAME HEIGHT 8' – 0' / DOOR PANEL HEIGHT 93 13/16'			DOOR FRAME HEIGHT 9' – 0' / DOOR PANEL HEIGHT 105 13/16'			DOOR FRAME HEIGHT 10' – 1/2' / DOOR PANEL HEIGHT 118 5/16'		
		DESIGN PRESSURE: +/– DP											
		Sill Height 4' Hi			Sill Height 4' Hi			Sill Height 4' Hi			Sill Height 4' Hi		
NOMINAL	ACTUAL	+ DP	– DP	Pair Anchors @ Jamb	+ DP	– DP	Pair Anchors @ Jamb	+ DP	– DP	Pair Anchors @ Jamb	+ DP	– DP	Pair Anchors @ Jamb
24'	26 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	120.0	8
26'	28 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	120.0	8
28'	30 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	120.0	8
30'	32 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	120.0	8
32'	34 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	116.8	8
34'	36 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	111.0	8
36'	38 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	120.0	7	93.3	105.8	8
38'	40 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	115.5	7	93.3	101.2	8
40'	42 1/2'	93.3	120.0	5	93.3	120.0	6	93.3	110.9	7	93.3	97.1	8
42'	44 1/2'	93.3	120.0	5	93.3	112.0	6	93.3	102.0	7	93.3	93.4	8
44'	46 1/2'	93.3	120.0	5	93.3	106.0	6	93.3	96.0	7	88.1	88.1	8
46'	48 1/2'	93.3	120.0	5	93.3	103.0	6	90.7	90.7	7	82.1	82.1	8
48'	50 1/2'	93.3	120.0	5	93.3	101.0	6	87.1	87.1	7	78.3	78.3	8
50'	52 1/2'	93.3	120.0	5	93.3	99.5	6	84.2	84.2	7	75.1	75.1	8
52'	54 1/2'	93.3	120.0	5	93.3	98.9	6	83.4	83.4	7	73.3	73.3	8
54'	56 1/2'	93.3	118.0	5	93.3	98.5	6	83.0	83.0	7	72.1	72.1	8
56'	58 1/2'	93.3	114.0	5	94.0	94.0	6	82.6	82.6	7	71.3	71.3	8
58'	60 1/2'	93.3	110.0	5	91.0	91.0	6	81.0	81.0	7	71.2	71.2	8
60'	62 1/2'	93.3	106.0	5	88.0	88.0	6	78.0	78.0	7	70.0	70.0	8

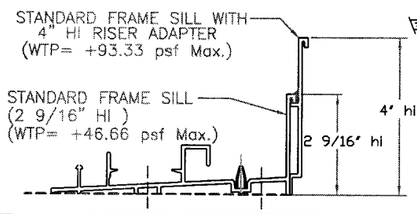
NOTE:
SEE ELEVATION ON SHEET 1 FOR ANCHOR PAIR LOCATIONS AND MAXIMUM SPACING ON CENTER

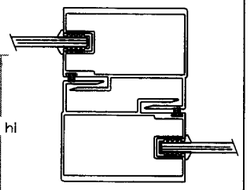
Comparative Analysis Lab. No.: FTL – 1446
Series: 1400 H.C. Sliding Glass Door " SCULPTURA "

TEST UNIT DATA:

Test Unit Size: 186 3/4' w. X 120 1/2' h.
Panel Size: 62 1/2' w. X 118 5/16' h.
Glass Type: 1/4' Tempered
Water test Pressure: WTP=7.0psf
Frame Sill Height= 2 9/16'
Design Pressure: DP= 46.6 psf
Structural Pressure: STP= 70.0 psf
Reinforcement: None

Frame & Door Specific Condition and Descriptive Details:



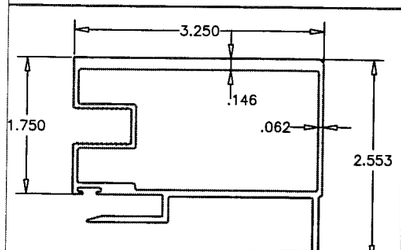


Design Pressure (Non-Reinforced) with or without Sill Riser

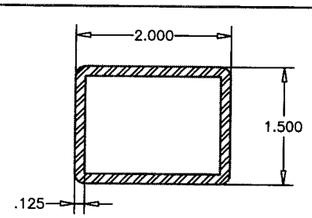
"TABLE # 2"

DOOR PANEL WIDTH		DOOR FRAME HEIGHT 6' – 8' / DOOR PANEL HEIGHT 77 13/16'				DOOR FRAME HEIGHT 8' – 0' / DOOR PANEL HEIGHT 93 13/16'				DOOR FRAME HEIGHT 9' – 0' / DOOR PANEL HEIGHT 105 13/16'				DOOR FRAME HEIGHT 10' – 1/2' / DOOR PANEL HEIGHT 118 5/16'			
		DESIGN PRESSURE: +/– DP															
		Sill Height 2 9/16'	4'			Sill Height 2 9/16'	4'			Sill Height 2 9/16'	4'			Sill Height 2 9/16'	4'		
NOMINAL	ACTUAL	+ DP	+ DP	– DP	Pair Anchors @ Jambs	+ DP	+ DP	– DP	Pair Anchors @ Jambs	+ DP	+ DP	– DP	Pair Anchors @ Jambs	+ DP	+ DP	– DP	Pair Anchors @ Jambs
24'	26 1/2'	46.66	93.3	120.0	5	46.66	93.3	120.0	6	46.66	93.3	112.8	7	46.66	93.3	99.8	8
26'	28 1/2'	46.66	93.3	120.0	5	46.66	93.3	120.0	6	46.66	93.3	105.2	7	46.66	93.3	93.3	8
28'	30 1/2'	46.66	93.3	120.0	5	46.66	93.3	113.2	6	46.66	93.3	98.8	7	46.66	87.2	87.2	8
30'	32 1/2'	46.66	93.3	120.0	5	46.66	93.3	107.0	6	46.66	93.2	93.2	7	46.66	82.1	82.1	8
32'	34 1/2'	46.66	93.3	120.0	5	46.66	93.3	101.5	6	46.66	88.3	88.3	7	46.66	77.7	77.7	8
34'	36 1/2'	46.66	93.3	119.5	5	46.66	93.3	96.8	6	46.66	84.0	84.0	7	46.66	73.9	73.9	8
36'	38 1/2'	46.66	93.3	114.6	5	46.66	92.6	92.6	6	46.66	80.2	80.2	7	46.66	70.4	70.4	8
38'	40 1/2'	46.66	93.3	110.3	5	46.66	88.8	88.8	6	46.66	76.9	76.9	7	46.66	67.4	67.4	8
40'	42 1/2'	46.66	93.3	104.0	5	46.66	85.5	85.5	6	46.66	73.8	73.8	7	46.66	64.7	64.7	8
42'	44 1/2'	46.66	93.3	100.0	5	46.66	82.5	82.5	6	46.66	71.1	71.1	7	46.66	62.2	62.2	8
44'	46 1/2'	46.66	95.0	95.0	5	46.66	79.8	79.8	6	46.66	68.7	68.7	7	46.66	60.0	60.0	8
46'	48 1/2'	46.66	91.0	91.0	5	46.66	77.4	77.4	6	46.66	66.5	66.5	7	46.66	58.0	58.0	8
48'	50 1/2'	46.66	88.0	88.0	5	46.66	75.2	75.2	6	46.66	64.5	64.5	7	46.66	56.1	56.1	8
50'	52 1/2'	46.66	84.0	84.0	5	46.66	70.0	70.0	6	46.66	62.6	62.6	7	46.66	54.4	54.4	8
52'	54 1/2'	46.66	81.0	81.0	5	46.66	67.0	67.0	6	46.66	61.0	61.0	7	46.66	52.9	52.9	8
54'	56 1/2'	46.66	78.0	78.0	5	46.66	65.0	65.0	6	46.66	59.4	59.4	7	46.66	51.5	51.5	8
56'	58 1/2'	46.66	76.0	76.0	5	46.66	63.0	63.0	6	46.66	58.0	58.0	7	46.66	50.2	50.2	8
58'	60 1/2'	46.66	73.0	73.0	5	46.66	61.0	61.0	6	46.66	54.0	54.0	7	46.66	49.0	49.0	8
60'	62 1/2'	46.66	71.0	71.0	5	46.66	59.0	59.0	6	46.66	52.0	52.0	7	46.66	46.6	46.6	8

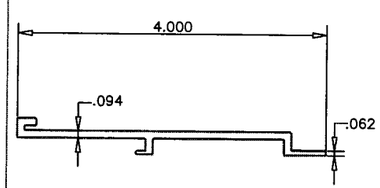
NOTE:
SEE ELEVATION ON SHEET 1 FOR ANCHOR PAIR LOCATIONS AND MAXIMUM SPACING ON CENTER



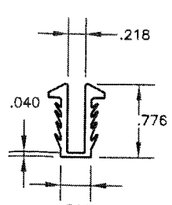
(9) INTERLOCK STILE L-1409
(ALUMINUM 6063-T5)



1-1/2' x 2' x 1/8'
(45) STEEL TUBE REINFORCEMENT L-1445
(L= DOOR HEIGHT – 8.5")



(4) SILL ADD-ON RISER L-1405
(ALUMINUM 6063-T5)



(39) GLAZING VINYL L-1439

PRODUCT RENEWED
as complying with the Florida
Buiding Code
Acceptance No OS-1201.02
Expiration Date MAY 17, 2008
By Ishaq I. Llanda
Miami Dade Product Control
Division

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE_____

LAWSON INDUSTRIES, INC.
MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
8501 N.W. 90 ST. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660

SERIES SGD-1400 "SCULPTURA"

NON-IMPACT SLIDING GLASS DOOR
GLAZED WITH 1/4" TEMPERED GLASS

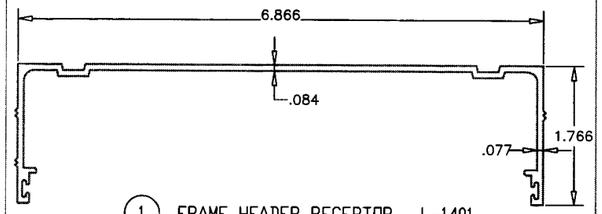
DESIGN PRESSURE TABLES AND
EXTRUSION/COMPONENTS CROSS SECTIONS

revisions:

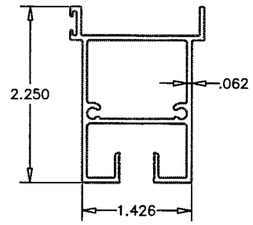
no.	date	by	description
1	7-18-01	N.E.	ADDED NEW ADDRESS
2	10-15-05	N.E.	AS PER 2004 FBC
3	12-13-06	N.E.	ADDED NOTES AS M-D BCCO

date: 3-18-97
scale: HALF SIZE
drawn by: N.Erazo
revised by: N.Erazo
checked by: N.Erazo

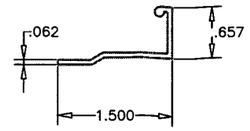
Drawing no.
LTU-1400



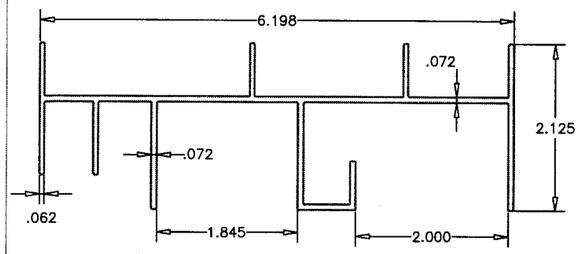
(1) FRAME HEADER RECEPTOR L-1401
(ALUMINUM 6063-T5)



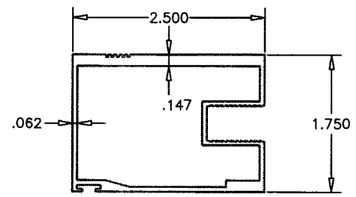
(12) PANEL HORIZONTAL RAIL L-1412
(ALUMINUM 6063-T5)



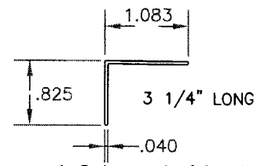
(13) FIXED PANEL JAMB CLIP L-1413
(ALUMINUM 6063-T5)



(2) FRAME HEAD L-1403
(ALUMINUM 6063-T5)

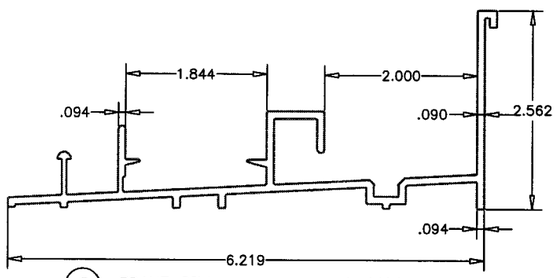


(8) LOCK & FIXED STILE L-1408
(ALUMINUM 6063-T5)

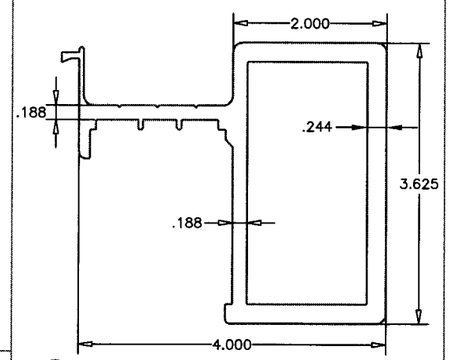


1 @ top end of interlock rail
1 @ bottom end of interlock rail

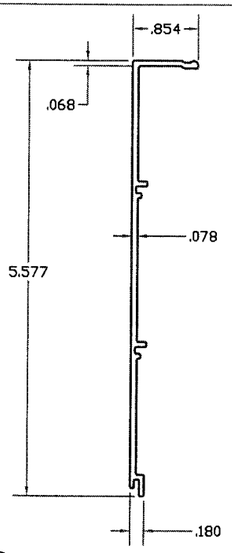
(14) ANGLE CLIP (anti-lift/weathering) L-1414
(ALUMINUM 6063-T6)



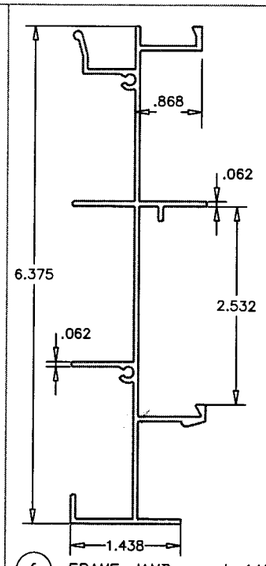
(3) FRAME SILL L-1404
(ALUMINUM 6063-T5)



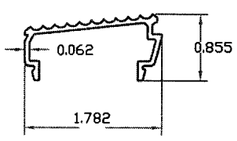
(11) ASTRAGAL ADAPTER STILE L-1411
(ALUMINUM 6063-T5)



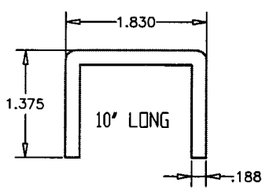
(7) FRAME JAMB SHEAR PLATE
(ALUMINUM 6063-T5) L-1424



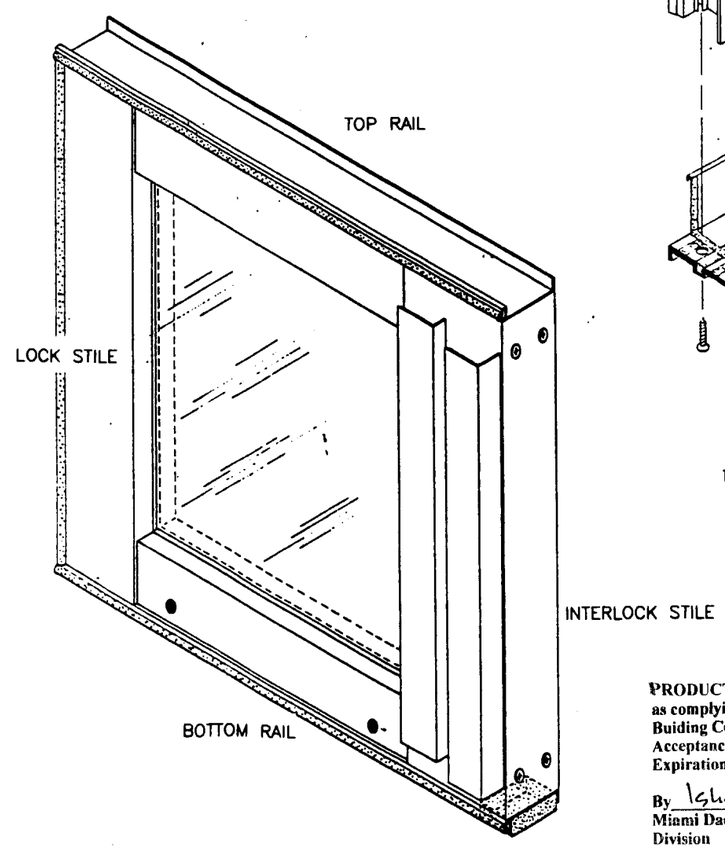
(6) FRAME JAMB L-1407
(ALUMINUM 6063-T5)



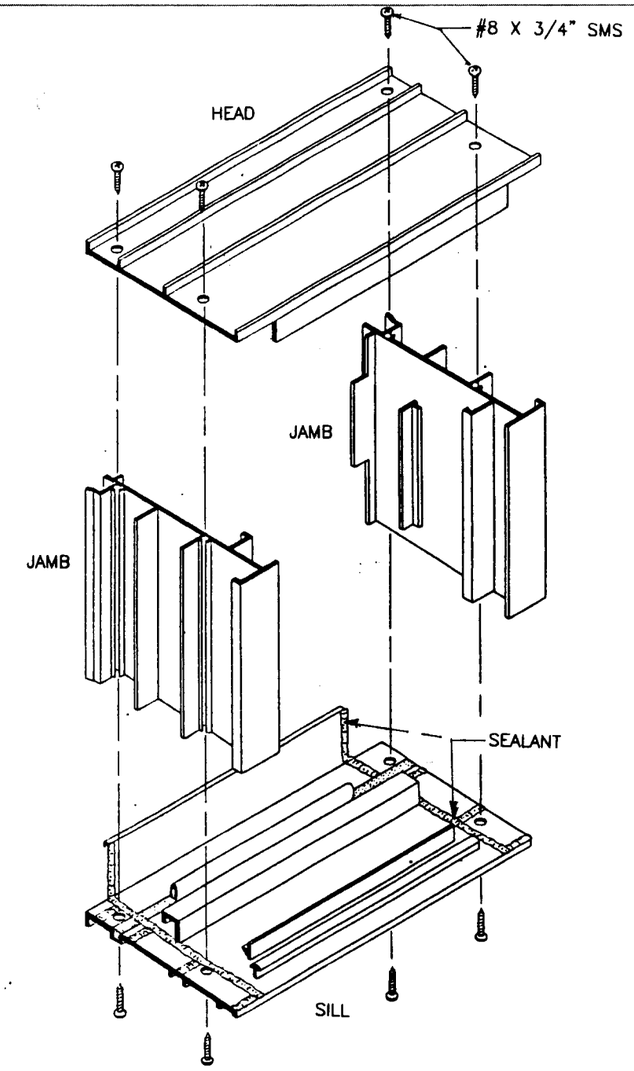
(5) SILL THRESHOLD L-1406
(ALUMINUM 6063-T5)



(44) HEADER ALUMINUM REINFORCEMENT L-1444
(ALUMINUM 6063-T5)



ASSEMBLED PANEL DETAIL



UNIT FRAME ASSEMBLY DETAIL

PRODUCT RENEWED
as complying with the Florida
Buiding Code
Acceptance No 05-1201.02
Expiration Date May 17, 2008
By Ishaq I. Chanda
Miami Dade Product Control
Division

THOMAS J. SOTOS
PROFESSIONAL ENGINEER
FL LIC. # 55225

DATE_____

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SERIES SGD-1400 "SCULPTURA"

NON-IMPACT SLIDING GLASS DOOR
GLAZED WITH 1/4" TEMPERED GLASS

EXTRUSION CROSS SECTIONS
AND ASSEMBLY DETAILS

revisions:

no.	date	by	description
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3	12-13-06	N.E.	ADDED NOTES AS M-D BCCO

date: 3-18-97
scale: HALF SIZE
drawn by: N.Erazo
revised by: N.Erazo
checked by: N.Erazo

Drawing no.
LTU-1400

sheet 6 of 6