



**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

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

Your application for Notice of Acceptance (NOA) of:

**Series 1400 "Sculptura" Sliding Glass Door**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

Raul Rodriguez  
Chief Product Control Division

**ACCEPTANCE NO.: 01-0814.09**  
**EXPIRES: 12/01/2005**

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 10/04/2001**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

- 1.1** This **renews** Notice of Acceptance (NOA) **97-0623.05**, which was issued on December 01, 1997. It renews the approval of an aluminum sliding glass door, as described in Section 2 of this NOA, designed to comply with the South Florida Building Code (SFBC), 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

- 2.1** The **Series "1400" Aluminum Sliding Glass Door** and its components shall be constructed in strict compliance with the following documents: Drawing No **LTU-1400**, Sheets 1 through 6 of 6, titled "Series 1400 SGD "Sculptura", prepared by manufacturer, dated 3/18/97 with revision on 7/18/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. These documents shall, hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

- 3.1** These approvals apply to single unit applications only, as shown in approved drawings.  
**3.2** For Design Pressure Rating vs. Window Size, see Comparative Analysis Tables in approved drawings.

**4. INSTALLATION**

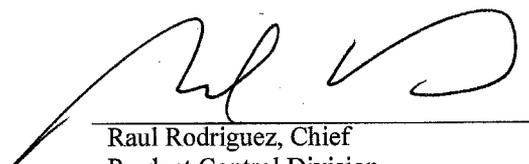
- 4.1** The aluminum sliding glass door and its components shall be installed in strict compliance with the approved drawings.  
**4.2** Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

**5. LABELING**

- 5.1** 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".

**6. BUILDING PERMIT REQUIREMENTS**

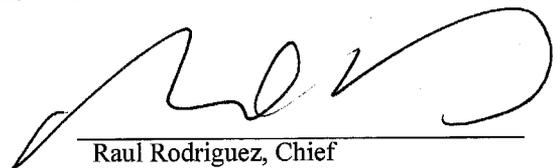
- 6.1** Application for building permit shall be accompanied by copies of the following:  
**6.1.1** This Notice of Acceptance  
**6.1.2** Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.  
**6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

**NOTICE OF ACCEPTANCE: STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a. There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes.
  - b. The product is no longer the same product (identical) as the one originally approved.
  - c. If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product.
  - d. The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a. Unsatisfactory performance of this product or process.
  - b. Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Notice of Acceptance consists of pages 1, 2 and this last page 3.

**END OF THIS ACCEPTANCE**



\_\_\_\_\_  
Raul Rodriguez, Chief  
Product Control Division

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

No.	Part Description	Dwg. No.	Part No.	Part No.	Qty.
1	FRAME HEADER RECEPTOR	L-1401	40190	1594	1
2	FRAME HEAD ( standard )	L-1402	40363	1540	0
3	FRAME HEAD ( with receptor )	L-1403	40194	1516	1
4	FRAME SILL	L-1404	40191	1641	1
5	SILL/TRACK 4" ADD-ON RISER	L-1405	40192	1647	if req'd.
6	SILL/TRACK THRESHOLD	L-1406	40193	1687	as req'd.
7	FRAME JAMB	L-1407	40195	1740	1L & 1R
8	STILE ( lock, male, fixed )	L-1408	40210	1840	4
9	STILE ( interlock )	L-1409	40209	1829	2
10	STILE ( light duty astragal adapt. )	L-1410	40206	1814	0
11	STILE ( heavy duty astragal adapt. )	L-1411	40207	1813	1
12	HORIZONTAL RAIL ( top & bott. )	L-1412	40208	1825	2 x panel
13	JAMB CLIP ( ext. fixed panel )	L-1413	40247	1326	1
14	ANGLE CLIP ( anti-lift/weathering )	L-1414	43060	1313	4
15	J' PILE HOLDER ( astragal )	L-1415	43062	1350	2
16	SILL/TRACK INSERT	L-1416		1684	1
17	SCREEN JAMB ADAPTER	L-1417	43065	8114	1
18	JAMB CLIP ( int. fixed panel )	L-1418	43061	1327	0
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			as req'd.
33	PAD ( closed cell foam, pvc )	L-1433			as req'd.
34	PAD ( open cell foam, pvc )	L-1434			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	SECURITY LOCK	L-1438			1
39	GLAZING VINYL ( 3/16" or 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 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
45	STEEL TUBE REINFORCEMENT	L-1445	1-1/2" x 2" x 1/8"		1-if req'd.
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		as req'd.
49	FASTENER - astragal stile	FS-008	#10x3/4" Ph.Pn.SDS		as req'd.
50	FASTENER - attachment (sill riser)	FS-004	# 8x1/2" Ph.Pn.SDS		as req'd.
51	FASTENER - attachment (wheel)	FS-003	# 8x1/2" Ph.Fh. "B"		as req'd.
52	FASTENER - head/receptor attach.	FS-007	# 8x3/4" Ph.Pn.SDS		as req'd.
53	FASTENER - receptor installation	FS-013	SEE CROSS-SECTIONS		as req'd.
54	FASTENER - frame sill installation	FS-016	SEE CROSS-SECTIONS		as req'd.
55	FASTENER - frame jamb installat'n	FS-016	SEE CROSS-SECTIONS		as req'd.
56	LABEL - manufacturer	L-1456			1
57	LABEL - certification	L-1457			1

TEST UNIT:  
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:  
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

NOTES:

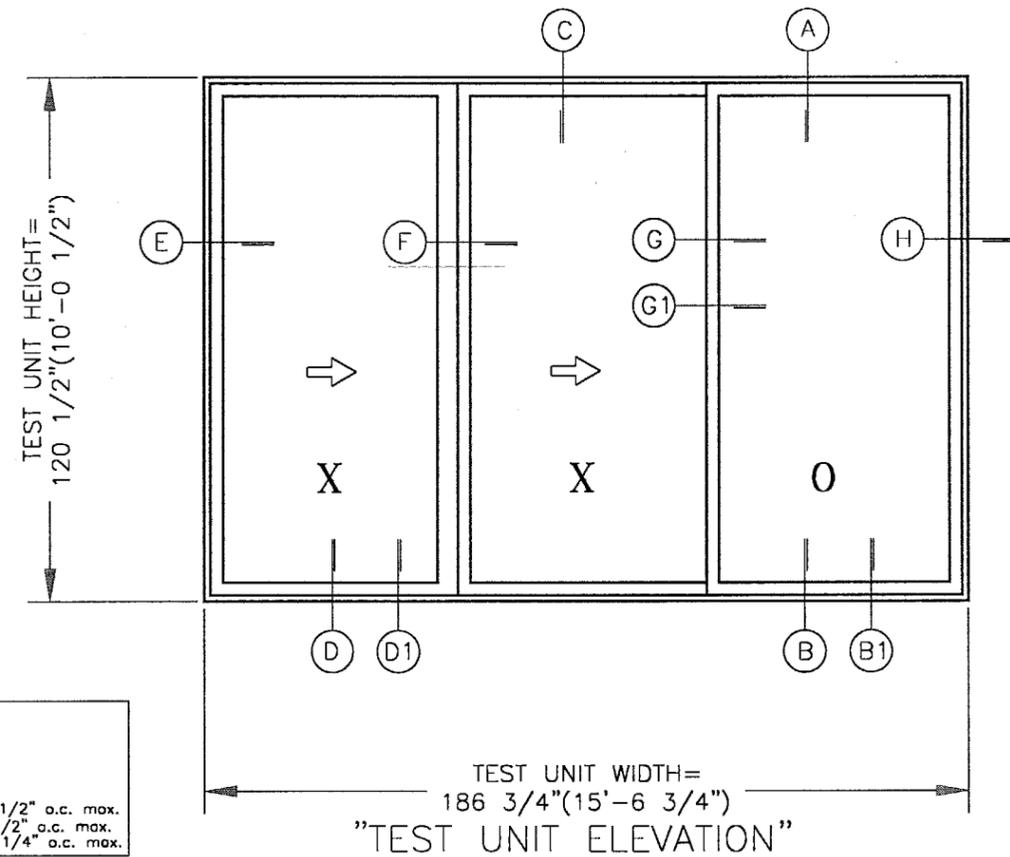
- WOOD BUCKS MUST BE P.T.
- ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT.
- ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE PROPERLY SEALED AT THE SCREW-HEAD WITH A SEAM-SEALANT.

INSTALLATION NOTE:

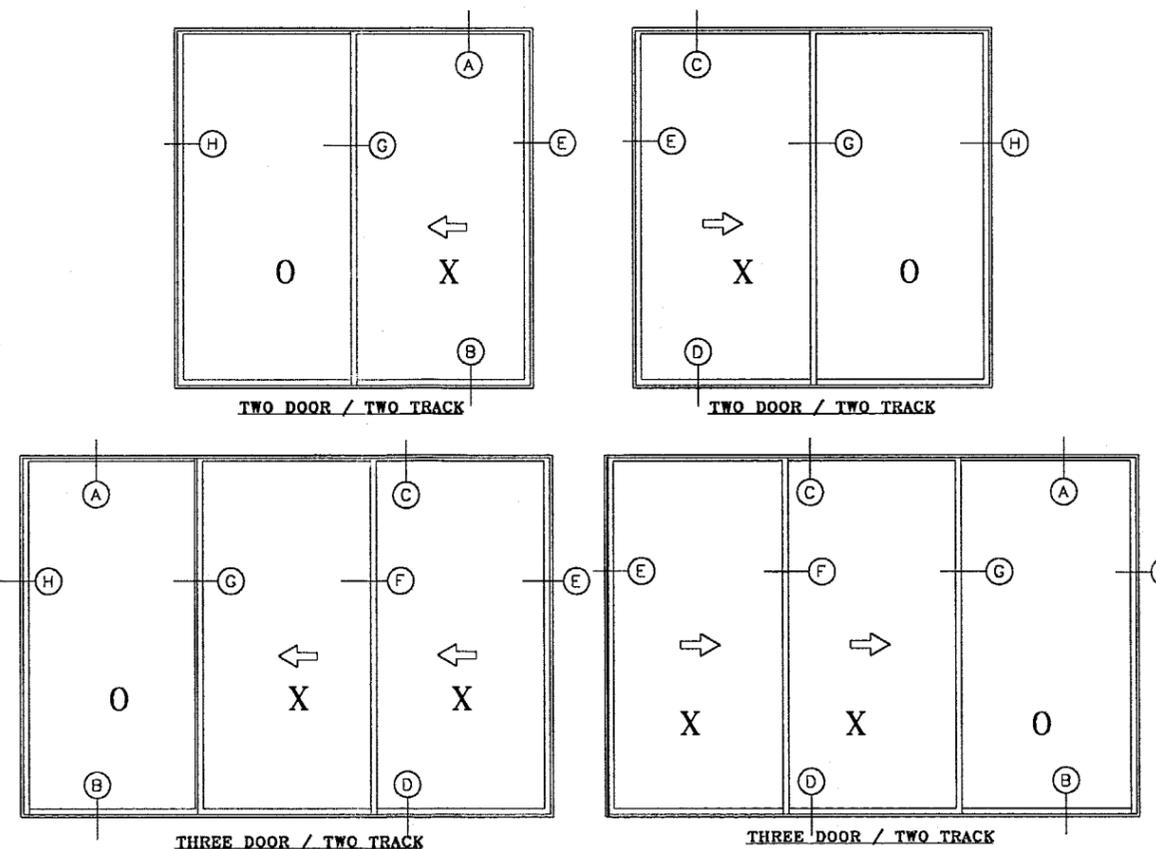
BASED ON FTL-1446 & 1450

INSTALLATION SCREWS & METHOD OF ATTACHMENT:

SILL: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end and 15 1/2" o.c. max.  
HEAD: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/2" o.c. max.  
JAMBS: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/4" o.c. max.



ELEVATIONS OF APPROVED CONFIGURATIONS



**PRODUCT RENEWED**  
ACCEPTANCE: 01-0814.05  
EXPIRATION DATE: Dec. 01, 2005  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

SERIES 1400 SGD "SCULPTURA"

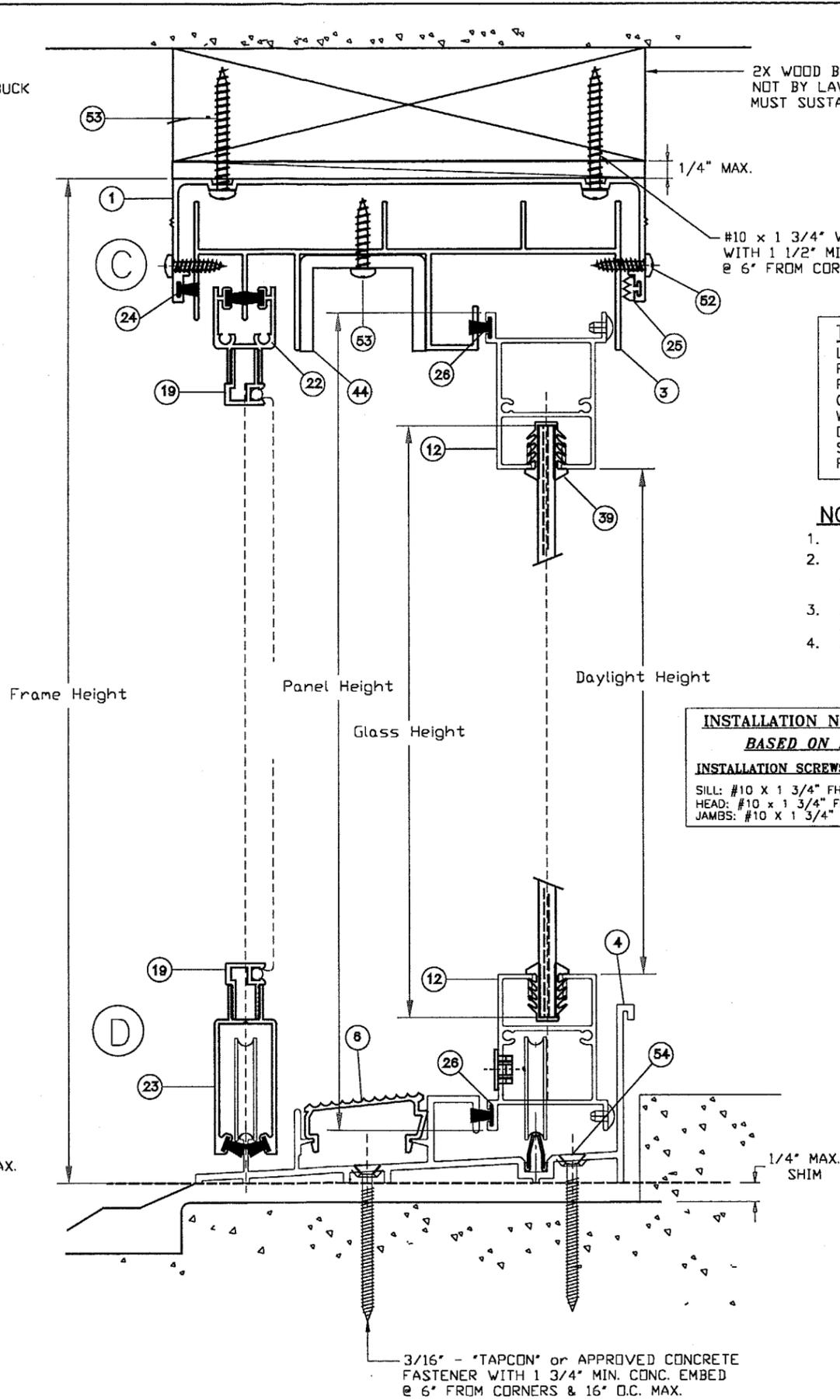
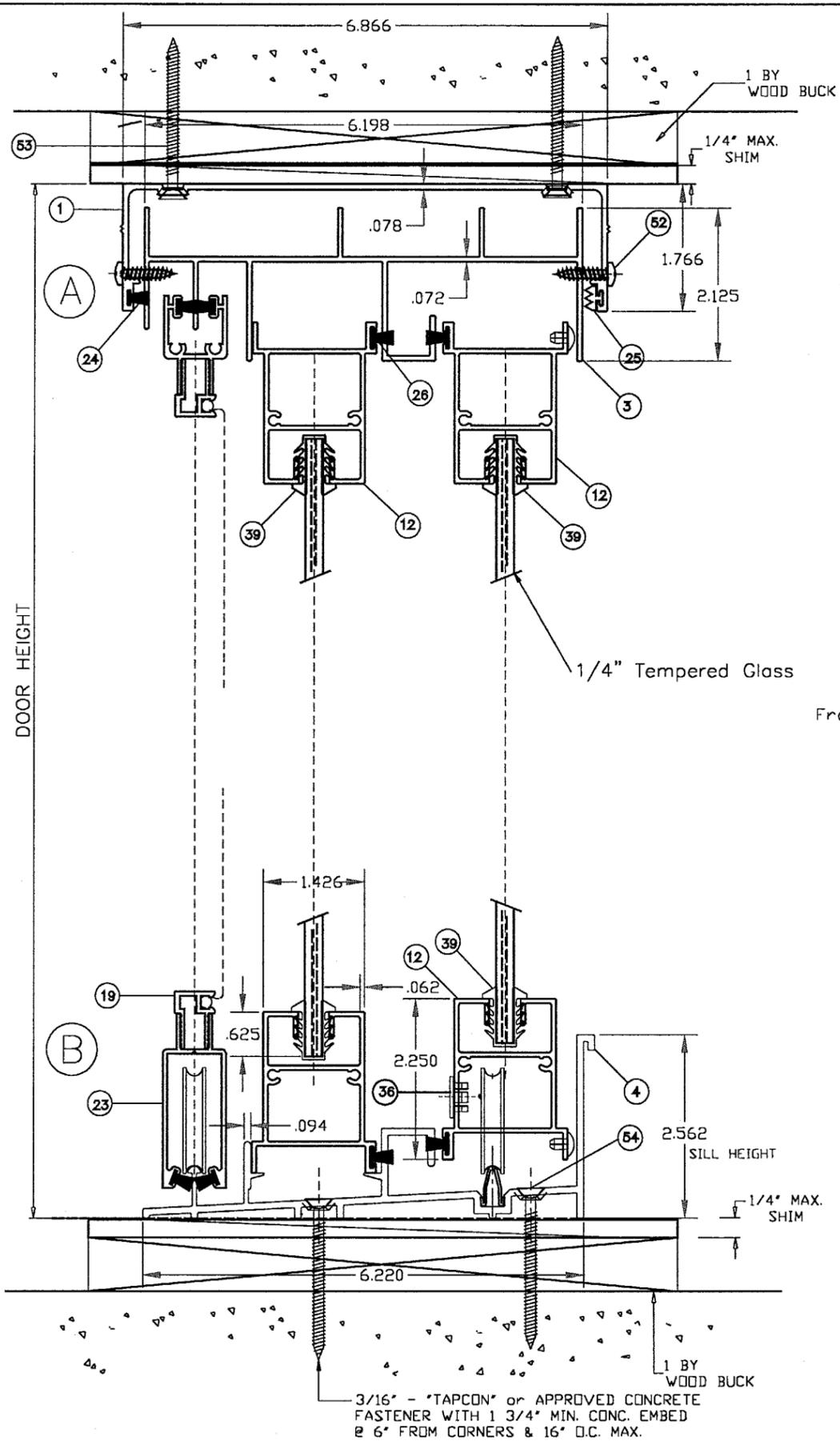
TEST UNIT WIDTH 1/4" TEMP GLASS  
BILL OF MATERIAL  
THREE DOOR ELEVATION

no.	date	description
1	7-18-01	N.E. ADDED NEW ADDRESS

date: 3-18-97  
scale: HALF  
design by:  
drawn by: N.E.  
checked by: N.E.

drawing no.  
LTU-1400  
sheet 1 of 6

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



**TEST UNIT:**  
 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

- NOTES:**
- WOOD BUCKS MUST BE P.T.
  - WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
  - ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT.
  - ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE PROPERLY SEALED AT THE SCREW-HEAD WITH A SEAM-SEALANT.

**INSTALLATION NOTE:**  
**BASED ON FTL-1446**  
**INSTALLATION SCREWS & METHOD OF ATTACHMENT:**  
 SILL: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end and 15 1/2" o.c. max.  
 HEAD: #10 x 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/2" o.c. max.  
 JAMBS: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/4" o.c. max.

**PRODUCT RENEWED**  
 ACCEPTANCE 01-0814.09  
 EXPIRATION DATE Dec. 01, 2005  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

**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 1400 SGD "SCULPTURA"**  
 TEST UNIT WIDTH 1/4" TEMP GLASS  
 VERTICAL CROSS SECTIONS  
 ( FROM HEAD THRU SILL )

revisions:	no	date	by	description
	1	7-18-01	N.E.	ADDED NEW ADDRESS

date: 3-18-97  
 scale: HALF  
 design by:  
 drawn by: N.E.  
 checked by: N.E.

drawing no.  
**LTU-1400**  
 sheet 2 of 6

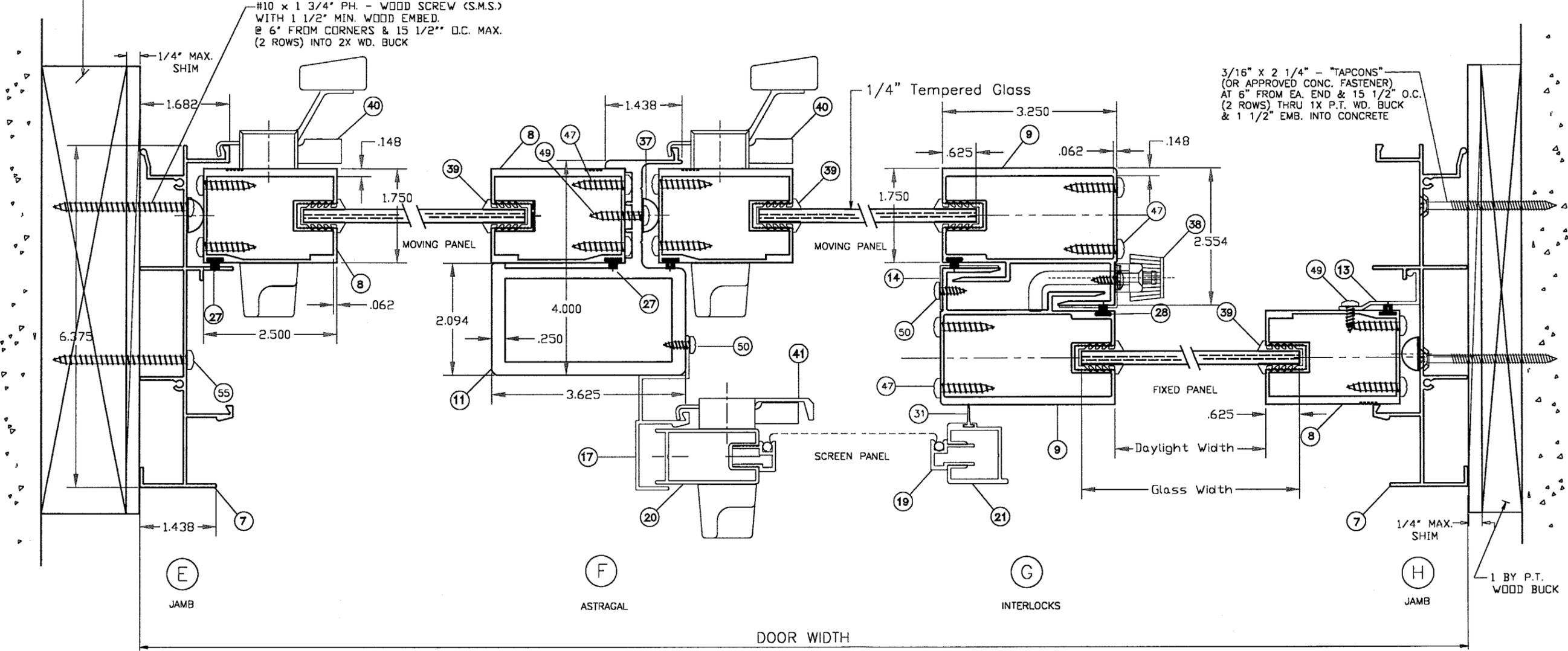
**LAWSON**  
INDUSTRIES, INC.

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

2 BY PRESSURE TREATED  
WOOD BUCKS NOT BY LAWSON IND.  
MUST SUSTAIN IMPOSED LOADS

#10 x 1 3/4" PH. - WOOD SCREW (S.M.S.)  
WITH 1 1/2" MIN. WOOD EMBED.  
@ 6" FROM CORNERS & 15 1/2" O.C. MAX.  
(2 ROWS) INTO 2X WD. BUCK

3/16" x 2 1/4" - "TAPCONS"  
(OR APPROVED CONC. FASTENER)  
AT 6" FROM EA. END & 15 1/2" O.C.  
(2 ROWS) THRU 1X P.T. WD. BUCK  
& 1 1/2" EMB. INTO CONCRETE



**TEST UNIT:**  
 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

- NOTES:**
- WOOD BUCKS MUST BE P.T.
  - ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT.
  - ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE PROPERLY SEALED AT THE SCREW-HEAD WITH A SEAM-SEALANT.

**INSTALLATION NOTE:**  
 BASED ON FTL-1446

**INSTALLATION SCREWS & METHOD OF ATTACHMENT:**  
 SILL: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end and 15 1/2" o.c. max.  
 HEAD: #10 x 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/2" o.c. max.  
 JAMBS: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/4" o.c. max.

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0814.09  
 EXPIRATION DATE Dec. 01, 2005  
 By [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

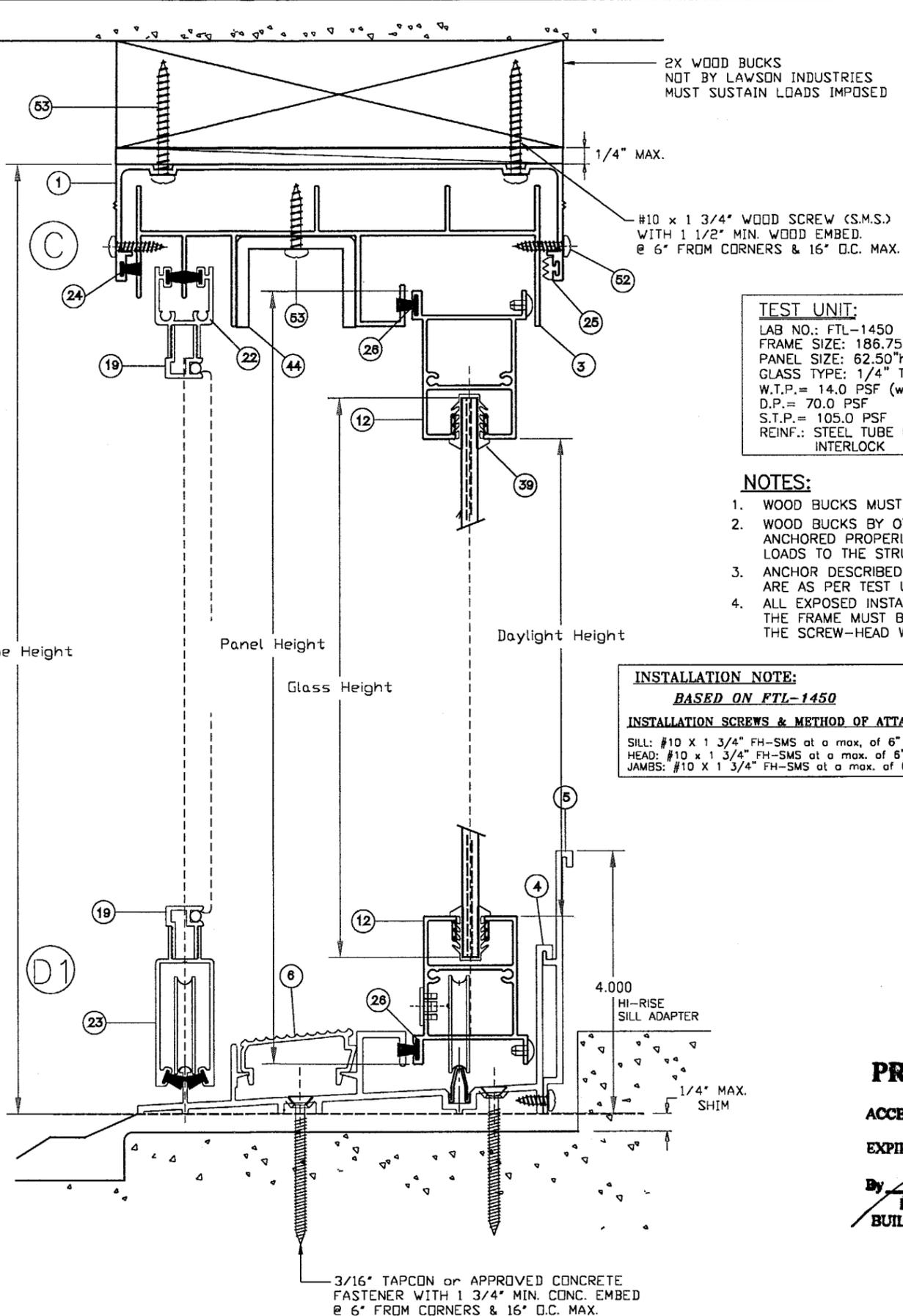
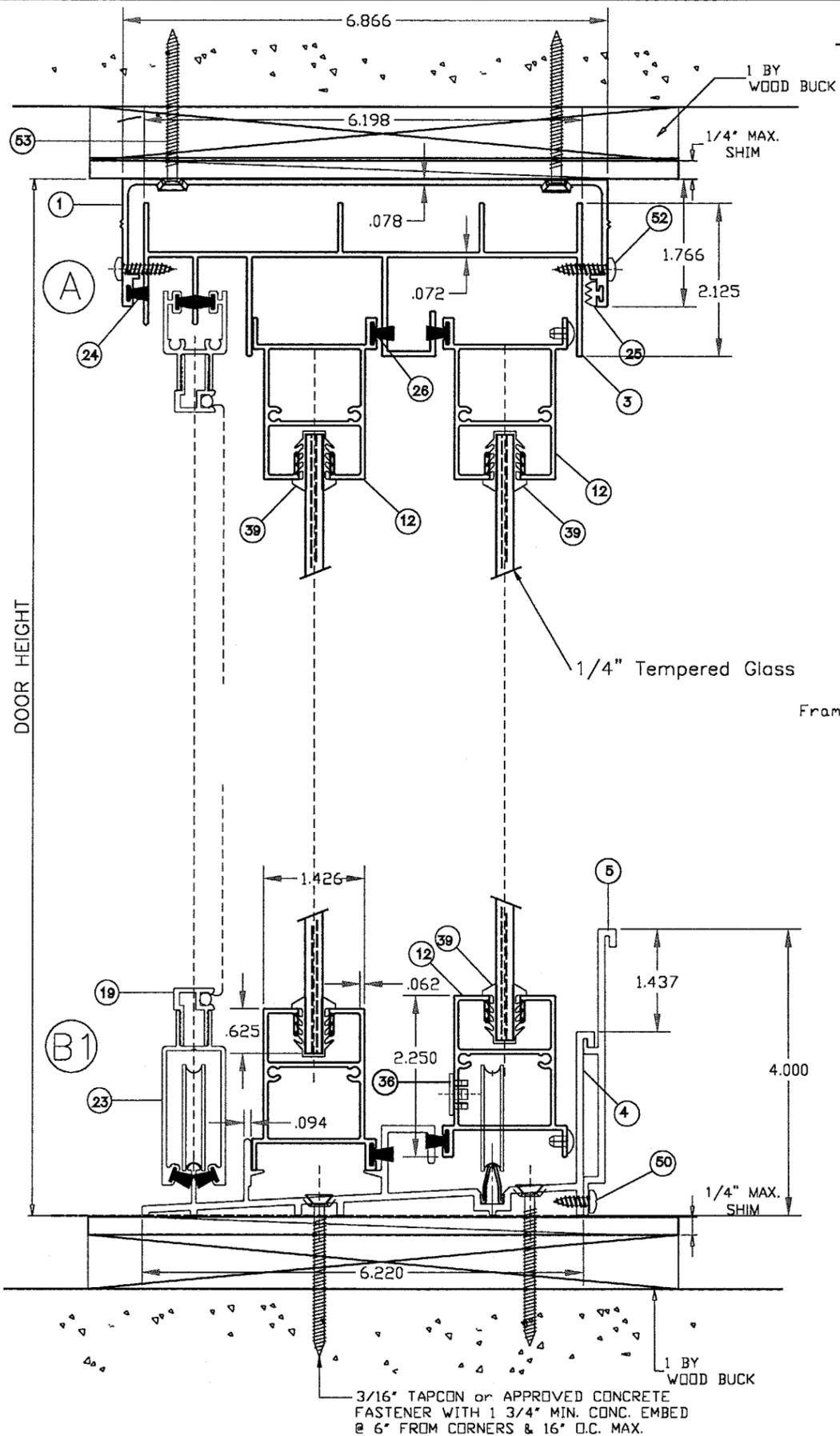
SERIES 1400 SGD "SCULPTURA"  
 TEST UNIT WIDTH 1/4" TEMP GLASS  
 HORIZONTAL CROSS-SECTION  
 FROM LEFT JAMB TO RIGHT JAMB

revisions:

no	date	description
1	7-18-01	N.E. ADDED NEW ADDRESS

date: 3-18-97	scale: HALF	design by:	drawn by: N.E.	checked by: N.E.
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drawing no.  
 LTU-1400  
 sheet 3 of 6



**TEST UNIT:**  
 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

- NOTES:**
- WOOD BUCKS MUST BE P.T.
  - WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
  - ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT.
  - ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE PROPERLY SEALED AT THE SCREW-HEAD WITH A SEAM-SEALANT.

**INSTALLATION NOTE:**  
**BASED ON FTL-1450**  
**INSTALLATION SCREWS & METHOD OF ATTACHMENT:**  
 SILL: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end and 15 1/2" a.c. max.  
 HEAD: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/2" a.c. max.  
 JAMBS: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/4" a.c. max.

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0814.09  
 EXPIRATION DATE Dec. 01, 2005  
 By *[Signature]*  
**PRODUCT CONTROL DIVISION**  
**BUILDING CODE COMPLIANCE OFFICE**

**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 1400 SGD "SCULPTURA"  
 TEST UNIT WIDTH 1/4" TEMP GLASS  
 VERTICAL CROSS SECTIONS  
 ( FROM HEAD THRU SILL )

no	date	description
1	7-18-01	N.E. ADDED NEW ADDRESS

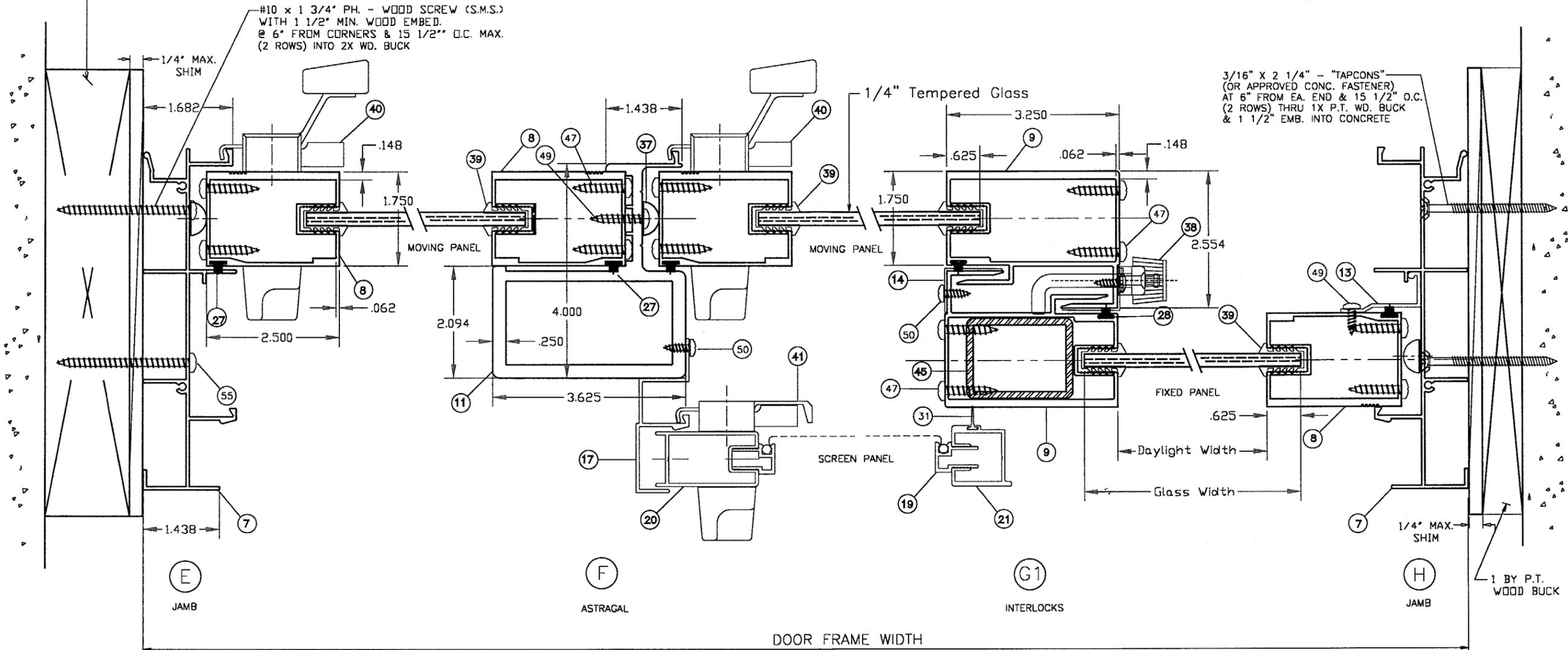
date: 3-18-97  
 scale: HALF  
 design by:  
 drawn by: N.E.  
 checked by: N.E.

drawing no.  
**LTU-1400**  
 sheet 4 of 6

2 BY PRESSURE TREATED  
WOOD BUCKS NOT BY LAWSON IND.  
MUST SUSTAIN IMPOSED LOADS

#10 x 1 3/4" PH. - WOOD SCREW (S.M.S.)  
WITH 1 1/2" MIN. WOOD EMBED.  
@ 6" FROM CORNERS & 15 1/2" O.C. MAX.  
(2 ROWS) INTO 2X WD. BUCK

3/16" x 2 1/4" - "TAPCONS"  
(OR APPROVED CONC. FASTENER)  
AT 6" FROM EA. END & 15 1/2" O.C.  
(2 ROWS) THRU 1X P.T. WD. BUCK  
& 1 1/2" EMB. INTO CONCRETE



**TEST UNIT:**

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

**NOTES:**

- WOOD BUCKS MUST BE P.T.
- ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT.
- ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE PROPERLY SEALED AT THE SCREW-HEAD WITH A SEAM-SEALANT.

**INSTALLATION NOTE:**

BASED ON FTL-1450

**INSTALLATION SCREWS & METHOD OF ATTACHMENT:**

SILL: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end and 15 1/2" o.c. max.  
HEAD: #10 x 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/2" o.c. max.  
JAMBS: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/4" o.c. max.

**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 1400 SGD "SCULPTURA"

TEST UNIT WIDTH 1/4" TEMP GLASS  
HORIZONTAL CROSS-SECTION  
FROM LEFT JAMB TO RIGHT JAMB

NO	DATE	DESCRIPTION
1	7-18-01	N.E. ADDED NEW ADDRESS

date: 3-18-97	scale: HALF	design by:	drawn by: N.E.	checked by: N.E.
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**PRODUCT RENEWED**

ACCEPTANCE No. 01-0814.09

EXPIRATION DATE Dec. 01, 2001

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

drawing no.

LTU-1400

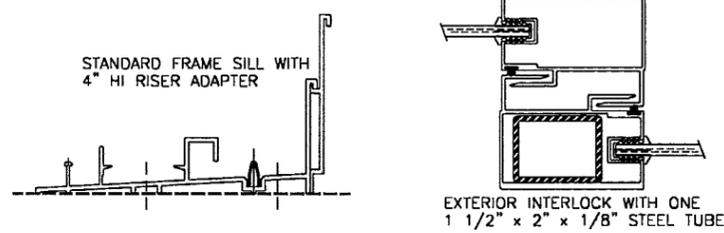
sheet 5 of 6

Comparative Analysis For Lawson Industries, Inc.  
 Series: 1400 H.C. Sliding Glass Door "SCULPTURA"  
 Lab. No.: FTL - 1450

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:

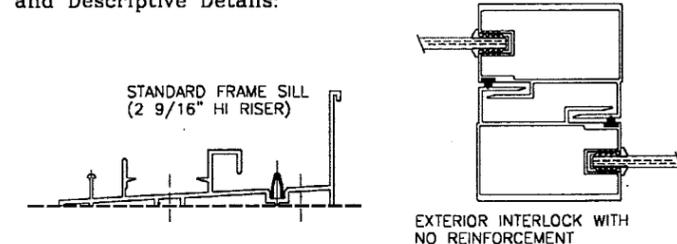


Comparative Analysis For Lawson Industries, Inc.  
 Series: 1400 H.C. Sliding Glass Door "SCULPTURA"  
 Lab. No.: FTL - 1446

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:



COMPARATIVE UNIT:  
 C.A. Design Pressure "TABLE # 1"

DOOR WIDTH	DOOR HEIGHT								MAX. +WTP
	6' - 8'		8' - 0'		9' 0'		10' - 1/2'		
	+ DP	- DP	+ DP	- DP	+ DP	- DP	+ DP	- DP	
24"	93.333	238.635	93.333	193.18	93.333	169.033	93.333	149.559	14.0 psf
26"	93.333	223.566	93.333	180.469	93.333	157.673	93.333	139.339	14.0 psf
28"	93.333	210.742	93.333	169.622	93.333	147.968	93.333	130.601	14.0 psf
30"	93.333	199.719	93.333	160.268	93.333	139.588	93.333	123.049	14.0 psf
32"	93.333	190.162	93.333	152.13	93.333	132.287	93.333	116.463	14.0 psf
34"	93.333	181.817	93.333	144.993	93.333	125.873	93.333	110.671	14.0 psf
36"	93.333	174.485	93.333	138.694	93.333	120.201	93.333	105.542	14.0 psf
38"	93.333	168.012	93.333	133.1	93.333	115.154	93.333	100.973	14.0 psf
40"	93.333	162.271	93.333	128.109	93.333	110.64	93.333	96.878	14.0 psf
42"	93.333	157.164	93.333	123.635	93.333	106.582	93.193	93.193	14.0 psf
44"	93.333	152.606	93.333	119.61	93.333	102.921	89.86	89.86	14.0 psf
46"	93.333	148.532	93.333	115.977	93.333	99.604	86.834	86.834	14.0 psf
48"	93.333	144.885	93.333	112.689	93.333	96.59	84.078	84.078	14.0 psf
50"	93.333	141.619	93.333	109.705	93.333	93.844	81.561	81.561	14.0 psf
52"	93.333	138.694	93.333	106.992	91.335	91.335	79.253	79.253	14.0 psf
54"	93.333	136.077	93.333	104.523	89.038	89.038	77.134	77.134	14.0 psf
56"	93.333	133.74	93.333	102.272	86.931	86.931	75.184	75.184	14.0 psf
58"	93.333	131.66	93.333	100.219	84.996	84.996	73.385	73.385	14.0 psf
60"	93.333	129.817	93.333	98.346	83.216	83.216	71.722	71.722	14.0 psf

NOTE: +DP LIMITED TO 93.333 PSF ON MOST CASES DUE TO +WTP MAX. PERFORMANCE

COMPARATIVE UNIT:  
 C.A. Design Pressure "TABLE # 2"

DOOR WIDTH	DOOR HEIGHT								MAX. +WTP
	6' - 8'		8' - 0'		9' 0'		10' - 1/2'		
	+ DP	- DP	+ DP	- DP	+ DP	- DP	+ DP	- DP	
24"	46.666	158.562	46.666	128.603	46.666	112.528	46.666	99.564	7.0 psf
26"	46.666	148.831	46.666	120.141	46.666	104.965	46.666	92.76	7.0 psf
28"	46.666	140.294	46.666	112.92	46.666	98.504	46.666	86.943	7.0 psf
30"	46.666	132.956	46.666	106.693	46.666	92.926	46.666	81.916	7.0 psf
32"	46.666	126.593	46.666	101.275	46.666	88.065	46.666	77.531	7.0 psf
34"	46.666	121.038	46.666	96.524	46.666	83.796	46.666	73.675	7.0 psf
36"	46.666	116.157	46.666	92.33	46.666	80.02	46.666	70.261	7.0 psf
38"	46.666	118.48	46.666	88.607	46.666	76.66	46.666	67.219	7.0 psf
40"	46.666	108.026	46.666	85.284	46.666	73.654	46.666	64.493	7.0 psf
42"	46.666	104.626	46.666	82.306	46.666	70.953	46.666	62.04	7.0 psf
44"	46.666	101.592	46.666	79.626	46.666	68.516	46.666	59.281	7.0 psf
46"	46.666	98.88	46.666	77.208	46.666	66.308	46.666	57.807	7.0 psf
48"	46.666	96.452	46.666	75.018	46.666	64.301	46.666	55.972	7.0 psf
50"	46.666	94.278	46.666	73.032	46.666	62.473	46.666	54.296	7.0 psf
52"	46.666	92.33	46.666	71.226	46.666	60.803	46.666	52.76	7.0 psf
54"	46.666	90.558	46.666	69.582	46.666	59.274	46.666	51.349	7.0 psf
56"	46.666	89.033	46.666	68.084	46.666	57.871	46.666	50.051	7.0 psf
58"	46.666	87.648	46.666	66.717	46.666	56.583	46.666	48.853	7.0 psf
60"	46.666	86.421	46.666	65.471	46.666	55.398	46.666	47.746	7.0 psf

NOTE: +DP LIMITED TO 46.666 PSF ON ALL CASES DUE TO +WTP MAX. PERFORMANCE

INSTALLATION NOTE:

BASED ON FTL-1446 & 1450

INSTALLATION SCREWS & METHOD OF ATTACHMENT:

SILL: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end and 15 1/2" o.c. max.  
 HEAD: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/2" o.c. max.  
 JAMBS: #10 X 1 3/4" FH-SMS at a max. of 6" from ea. end & 15 1/4" o.c. max.

NOTES:

- WOOD BUCKS MUST BE P.T.
- ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT.
- ALL EXPOSED INSTALLATION FASTENERS AT THE FRAME MUST BE PROPERLY SEALED AT THE SCREW-HEAD WITH A SEAM-SEALANT.

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0814.09

EXPIRATION DATE Dec 01, 2005

By:   
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

**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 1400 SGD "SCULPTURA"  
 TEST UNIT WIDTH 1/4" TEMP GLASS  
 COMPARATIVE ANALYSIS  
 AND CHARTS

no	date	description
1	7-18-01	N.E. ADDED NEW ADDRESS

date: 3-18-97  
 scale: HALF  
 design by:  
 drawn by: N.E.  
 checked by: N.E.

drawing no.  
**LTU-1400**  
 sheet 6 of 6