MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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 SH-7500 Aluminum Single Hung Window
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.

ACCEPTANCE NO.: 01-1106.03
EXPIRES: 12/10/2006

Raul Rodriguez
Chief Product Control Division

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: 11/29/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **revises** and **renews** Notice of Acceptance (NOA) No. **99-0324.04**, which was issued on August 05, 1999. It revises and renews the approval of an aluminum single hung window, 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 "SH-7500" Aluminum Single Hung Window** and its components shall be constructed in strict compliance with the following document: Drawing No **01-490**, Sheets 1 through 7 of 7, titled "Series SH-7500 Aluminum Single Hung Window," prepared by Knezevich & Associates, Inc., dated 10/15/01 and revised on 10/15/01, signed sealed by V.J Knezevich, P.E., bearing the Miami-Dade County Product Control approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications only, as shown in approved drawings.

4. INSTALLATION

4.1 The aluminum single hung window 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

Lawson Industries, Inc.	**ACCEPTANCE No.: 01-1106.03**
	APPROVED: November 29, 2001
	EXPIRES: December 10, 2006

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 purpose.
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 need 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

"PRODUCT SPECIFIC CONDITIONS"

1 DESCRIPTION OF PRODUCT:

1.1 UNIT TYPE:
- 1.1.1 FLANGE FRAME ALUMINUM SINGLE HUNG WINDOW
- 1.1.2 FIN FRAME ALUMINUM SINGLE HUNG WINDOW

1.2 MODEL DESIGNATION:
SERIES: SH-7500 (FLANGE OR FIN FRAME)

1.3 OVERALL SIZES: (LARGEST TESTED UNITS)
- 1.3.1 FLANGE: 53 1/8" wide x 74 1/4" high x 1 7/8"deep
- 1.3.2 FIN: 54 3/8" wide x 75 1/2" high x 1 7/8" deep

1.4 CONFIGURATION: O/X

1.5 NO. & SIZE OF VENTS(LARGEST TESTED UNITS)
- 1.5.1 FLANGE: 50 3/8" wide x 36 3/4" high
- 1.5.2 FIN: 50 3/8" wide x 36 3/4" high

2 MATERIAL CHARACTERISTICS:

2.1 FRAME AND VENT MATERIAL:ALUMINUM ALLOY 6063-T5 & T6 (see specific extrusion type).

2.2 GLAZING:
- 2.2.1 GLAZING MATERIAL: 3/16" ANNEALED GLASS (LAB. No. 1890, 1891, & 1892)
  DSB ANNEALED GLASS (LAB. No. 1893, 1894, & 1895)
- 2.2.2 GLAZING METHOD: EXTERIOR GLAZED USING A CLEAR COLORED ADHESIVE "SILICONE" BEDDING COMPOUND (G.E.1001) AND ALUMINUM ROLLED GLAZING BEAD.
- 2.2.3 DAYLIGHT OPENING SIZE: (LARGEST TESTED UNITS)
  FIXED LIGHT: 48 7/8" wide x 33 3/4" high (FLANGE OR FIN FRAME)
  OPERABLE VENT: 48 7/8" wide x 33 3/4" high (FLANGE OR FIN FRAME)

2.3 FRAME CONSTRUCTION: ALL ALUMINUM SECTIONS (0.062" typ. wall), BUTT JOINT, FRAME CORNERS ARE SECURED WITH TWO #8 x 3/4" SHEET METAL SCREWS.

		Extrusion Type:	Alum. Alloy:	Dimensions:
2.3.1	FLANGE HEAD:	SOLID	6063-T5	0.749" ext. face, x 0.687" int. face x 1.875" deep (DWG. #L-7501)
	FIN HEAD:	SOLID	6063-T5	0.249" ext. face, x 0.687" int. face x 1.875" deep (DWG. #L-7519)
2.3.2	FLANGE JAMBS:	SOLID	6063-T5	1.688" ext. face, x 1.125" int. face x 1.875" deep (DWG. #L-7504)
	FIN JAMBS:	SOLID	6063-T5	1.187" ext. face, x 1.125" int. face x 1.875" deep (DWG. #L-7521)
2.3.3	FLANGE SILL:	SOLID	6063-T6	0.687" ext. face, x 2.299" int. face x 1.875" deep (DWG. #L-7502)
	FIN SILL:	SOLID	6063-T5	0.187" ext. face, x 2.299" int. face x 1.875" deep (DWG. #L-7520)
2.3.4	MEETING RAIL STD.:	HOLLOW	6063-T6	1.094" ext. face, x 1.594" int. face x 0.780" deep (DWG. #L-7503)
2.3.4	MEETING RAIL HD.:	HOLLOW	6063-T6	1.094" ext. face, x 1.594" int. face x 0.780" deep (DWG. #L-7508)

2.4 VENT CONSTRUCTION: ALL ALUMINUM SECTIONS (0.062" typ. wall), BUTT JOINT, TOP AND BOTTOM VENT CORNERS ARE SECURED WITH TWO #8 x 3/4" SHEET METAL SCREWS.

		Extrusion Type:	Alum. Alloy:	Dimensions:
2.4.1	TOP RAIL STD.:	HOLLOW	6063-T6	1.000" ext. face, x 1.438" int. face x 0.718" deep (DWG. #L-7505)
	TOP RAIL HD.:	HOLLOW	6063-T6	1.000" ext. face, x 1.438" int. face x 0.718" deep (DWG. #L-7509)
2.4.2	BOTTOM RAIL:	HOLLOW	6063-T6	1.000" ext. face, x 1.500" int. face x 0.718" deep (DWG. #L-7506)
2.4.3	JAMB RAIL:	SOLID	6063-T6	0.322" ext. face, x 1.000" int. face x 0.718" deep (DWG. #L-7507)

2.5 WEATHER-STRIPPING:

	Quantity:	Description:	Location:
2.5.1	Single Row	0.180" wide x .326" high VINYL BULB	AT VENT BOTTOM RAIL
2.5.2	Single Row	0.187" wide x .350" high PILE WITH INTEGRAL PLASTIC FIN	AT FRAME SILL
2.5.3	Single Row	0.187" wide x .210" high PILE WITH INTEGRAL PLASTIC FIN	AT EACH VENT JAMB RAIL
2.5.4	Single Row	0.187" wide x .310" high PILE WITH INTEGRAL PLASTIC FIN	AT FIXED MEETING RAIL

2.6 HARDWARE:

	Quantity:	Description:	Location:
2.6.1	TWO	SPRING & PULLEY BALANCE - JW Comp.	1 AT EACH FRAME JAMB
2.6.2	TWO	SPRING LOADED ALUMINUM HOOK LOCK	2 AT EA. END OF BOTTOM RAIL
	ONE	SPRING LOADED ALUMINUM HOOK LOCK	1 AT CENTER OF BOTTOM RAIL
2.6.3	FOUR	PLASTIC VENT INTERIOR FACE GUIDE - M&M Plastics	2 PER VENT JAMB RAIL
2.6.4	TWO	STEEL TAKE-OUT BALANCE CLIP - JW Comp.	1 AT EACH FRAME JAMB
2.6.5	TWO	BALANCE GUIDE & CAM - M&M Plastics	1 AT EACH END OF VENT TOP RAIL
2.6.6	TWO	PVC "U" SHAPE VENT STOP - "WIBORG" Vinyl Co.	1 AT TOP OF EACH FRAME JAMB

2.7 WEEP HOLES:

	Quantity:	Description:	Location:
2.7.1	TWO	1" WEEP NOTCH	ONE AT EACH END OF SILL SCREEN RETAINER AT
2.7.2	TWO	1" x 1/8" WEEP HOLE	INTERMEDIATE SILL FLANGE, 3 1/2" C.L. FROM EA. END

2.8 MUNTINS: NONE USED AT TEST (ONLY FALSE, DECORATIVE MUNTINS ARE ALLOWED)

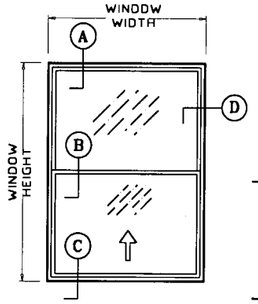
		Extrusion Type:	Alum. Alloy:	Dimensions:
2.8.1	EXTERIOR MUNTIN:	HOLLOW	6063-T5	0.428" wide x 1.125" high x .045" typ. wall (DWG. #L-7512)
2.8.2	INTERIOR MUNTIN:	SOLID	6063-T5	1.125" high x .032" typ. wall (DWG. #L-7513)

2.9 REINFORCEMENT: NONE

2.10 PADS: NONE

2.12 SEALANTS: FRAME CORNERS, FRAME SILL INSTALLATION SCREWS AND FIXED MEETING RAIL AT ENDS WERE SEALED WITH COLORED SEALANT "PURVIS SUPER SEAL"

2.11 ADDITIONAL DESCRIPTION: LAWSON INDUSTRIES IDENTIFICATION LABEL IN FRAME HEAD.



ELEVATION
FLANGE FRAME S.H. WINDOW

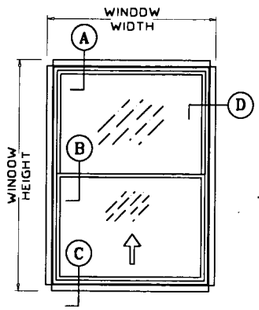
SERIES-7500 FLANGE FRAME SINGLE HUNG WINDOW TEST UNIT PERFORMANCE SUMMARY

BASED ON FTL- 1890
TEST SIZE = 53 1/8" x 74 1/4" - FLANGE (1 OVER 1)
TEST LOADS = +94.5, -94.5 PSF (1x DR 2x WD. BUCK)
DESIGN LOADS = +63.0, -63.0 PSF
WATER INFILTRATION TEST = 9.5 PSF
TESTED GLASS = 3/16"-ANNEALED
MAX. JAMB SCREW SPACING = 15-3/4" & 17-3/4"
(REF. DRAWING # 97-481, 2 OF 7)

BASED ON FTL-1892
TEST SIZE = 53 1/8" x 74 1/4" - FLANGE (1 OVER 1)
TEST LOADS = +67.5, -67.5 PSF (1x OR 2x WD. BUCK)
DESIGN LOADS = +45.0, -45.0 PSF
TESTED GLASS = 3/16"-ANNEALED
MAX. JAMB SCREW SPACING = 15-3/4" & 17-3/4"
(REF. DRAWING # 97-481, 4 OF 7)

BASED ON FTL-1893
TEST SIZE = 53 1/8" x 63" - FLANGE (1 OVER 1)
TEST LOADS = +62.0, -62.0 PSF (1x OR 2x WD. BUCK)
DESIGN LOADS = +41.3, -41.3 PSF
TESTED GLASS = DSB-ANNEALED
MAX. JAMB SCREW SPACING = 15" & 13"
(REF. DRAWING # 97-481, 5 OF 7)

BASED ON FTL-1895
TEST SIZE = 37" x 74 1/4" - FLANGE (1 OVER 1)
TEST LOADS = +77.0, -77.0 PSF (1x OR 2x WD. BUCK.)
DESIGN LOADS = +51.3, -51.3 PSF
TESTED GLASS = DSB-ANNEALED
MAX. JAMB SCREW SPACING = 17-3/4" & 15-3/4"
(REF. DRAWING # 97-481, 6 OF 7)



ELEVATION
FIN FRAME S.H. WINDOW

SERIES-7500 FIN FRAME SINGLE HUNG WINDOW TEST UNIT PERFORMANCE SUMMARY

BASED ON FTL-1891
TEST SIZE = 54 1/8" x 75 1/2" - FIN (1 OVER 1)
TEST LOADS = +94.5, -94.5 PSF (2x WD. BUCK.)
DESIGN LOADS = +63.0, -63.0 PSF
WATER INFILTRATION TEST = 9.5 PSF
TESTED GLASS = 3/16"-ANNEALED
MAX. JAMB SCREW SPACING = 15-3/4" & 18-3/4"
(REF. DRAWING # 97-481, 3 OF 7)

BASED ON FTL-1894
TEST SIZE = 54 1/4" x 64" - FIN (1 OVER 1)
TEST LOADS = +62.0, -62.0 PSF (2x WD. BUCK.)
DESIGN LOADS = +41.3, -41.3 PSF
TESTED GLASS = DSB-ANNEALED
MAX. JAMB SCREW SPACING = 13" & 14-7/8"
(REF. DRAWING # 97-481, 7 OF 7)

NOTES:
1. No. L-7500 SERIES DRAWINGS ON FILE WITH LAWSON IND., AND KNEZEVICH & ASSOCIATES, INC.
2. ALL TESTING WAS PERFORMED AT FENESTRATION TESTING LABORATORY (FTL) HIALEAH, FL.

BILL OF MATERIALS

ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	L-7501	1	FLANGE FRAME HEAD	
2	L-7502	1	FLANGE FRAME SILL	
3	L-7504	2	FLANGE FRAME JAMB	
4	L-7519	1	FIN FRAME HEAD	
5	L-7520	1	FIN FRAME SILL	
6	L-7521	2	FIN FRAME JAMB	
7	L-7503	1	FRAME FIXED RAIL - STD.	
8	L-7505	1	VENT TOP RAIL - STD.	
9	L-7508	1	FRAME FIXED RAIL - H.D.	
10	L-7509	1	VENT TOP RAIL - H.D.	
11	L-7506	1	VENT BOTTOM RAIL	
12	L-7507	1	VENT JAMB RAIL	
13	L-7515	AS REQ'D	GLAZING BEAD (1/8")	ROLL FORMED ALUMINUM
14	L-7516	AS REQ'D	GLAZING BEAD (3/16")	ROLL FORMED ALUMINUM
15	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	#8 x 3/4" P.H. PHILLIPS
16	FS-019	AS REQ'D.	INSTALLATION SCREWS	#10 x 1" PHILLIPS
17	FS-014	AS REQ'D.	INSTALLATION SCREWS	#10 x 1 1/4" PHILLIPS
18	L-7531	AS REQ'D.	BOTTOM RAIL VINYL WTS'P	1/4" DIA. BULB
19	PWS-003	AS REQ'D.	FIN SEAL WEATHER-STRIP	.187"x.210" (7820-6001-9)
20	PWS-005	AS REQ'D.	FIN SEAL WEATHER-STRIP	.187"x.350" (7834-6001-7)
21	PWS-002	AS REQ'D.	FIN SEAL WEATHER-STRIP	.187"x.310" (7930-6001-9)
22	L-7512	AS REQ'D.	EXTERIOR FALSE MUNTIN	
23	L-7513	AS REQ'D.	INTERIOR FALSE MUNTIN	
24	L-7524	AS REQ'D.	SASH FACE GUIDE	(2 x VENT JAMB RAIL)
25	L-723	1	SASH TOP GUIDE / CAM	
26	L-7526	2	SASH STOP	
27	L-7527	2	BLOCK & TACKLE BALANCE	
28	L-7522	AS REQ'D.	VENT LATCH	
29	L-7523	AS REQ'D.	VENT LATCH SPRING	
30	GlsCht-1	-	GLASS CHART 1/1	
31	ScrCht-1	-	SCREEN CHART	
32	L-7547	1	PRODUCT LABEL	

INDEX

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 29, 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1106.03

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

LAWSON INDUSTRIES,INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

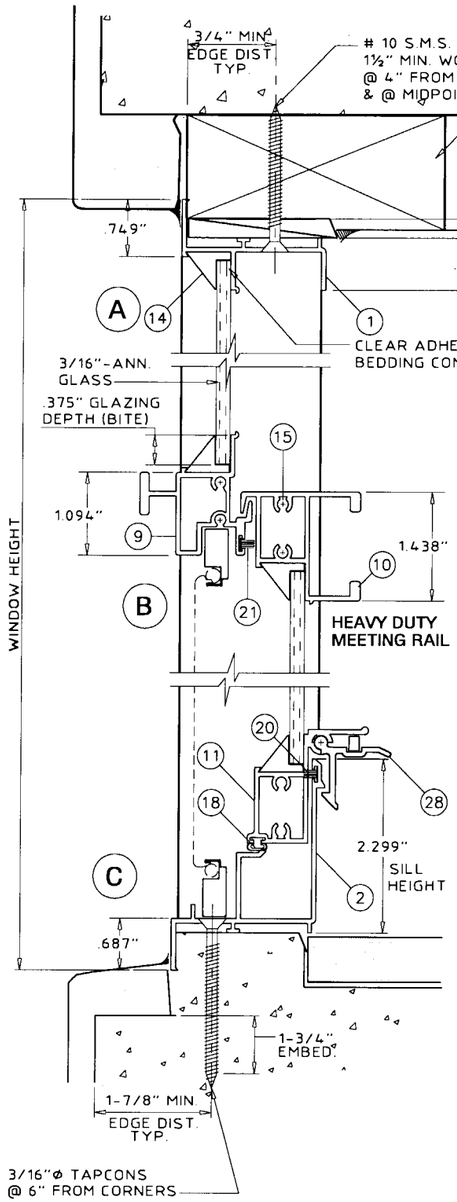
V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0017983

OCT 15 2001

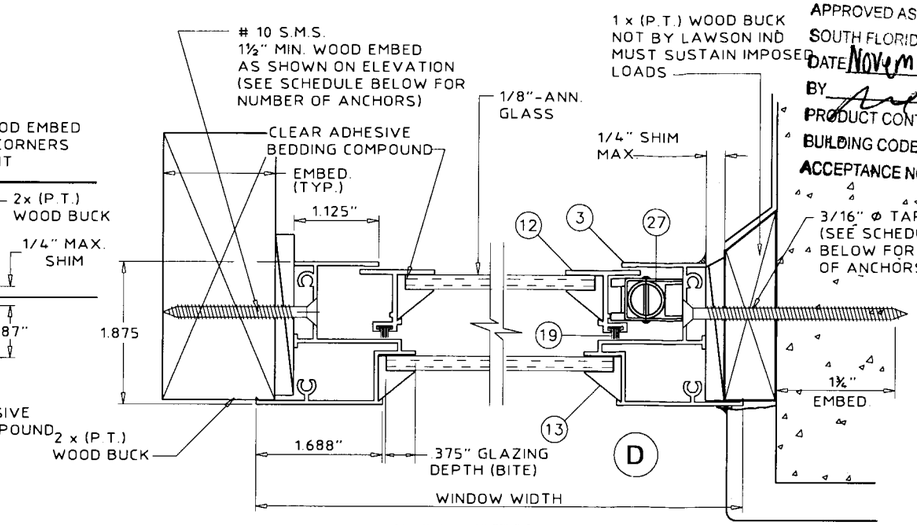
revisions			
no	date	by	description
00	10/15/01	VJK	PREV. DWG No. 97-481

date 10/15/01
scale AS NOTED
drawn by AV
design by VJK
checked by VJK
drawing no. 01-490
sheet 1 of 7

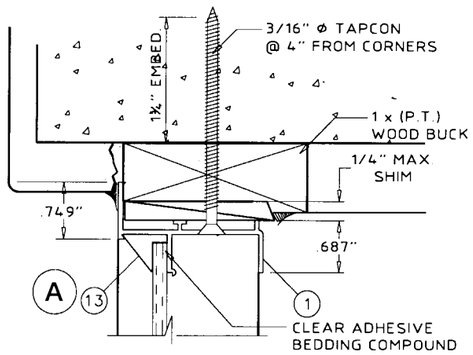
01-490-1.dwg 10-15-01 9:47:32 am EST

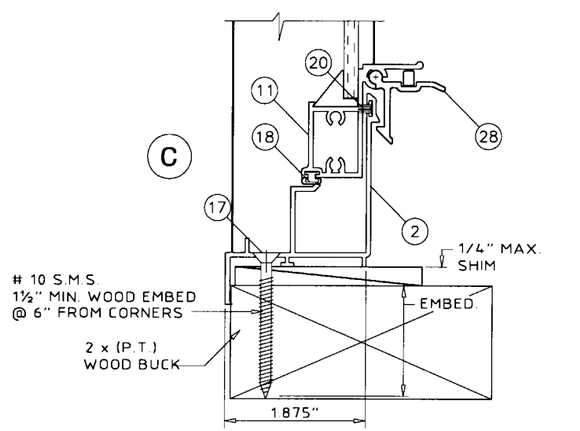


HEADER & SILL SECTION



PLAN VIEW





ALT. HEADER & SILL SECTION

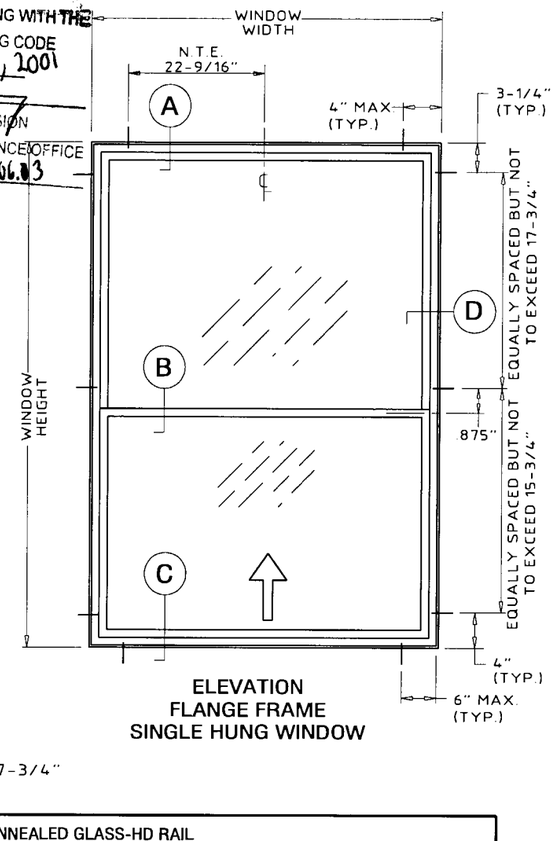
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 29, 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1106.03

3/16" ANNEALED GLASS
FLANGE FRAME
1x OR 2x WOOD BUCK
HEAVY DUTY RAIL
TEST UNIT
PERFORMANCE SUMMARY

REFERENCE:	FTL-1890 12-8-97
TEST SIZE:	53-1/8" X 74-1/4"
TEST LOADS:	+94.5, -94.5 PSF
DESIGN LOADS:	+63.0, -63.0 PSF
WATER INFILTRATION TEST:	9.5 PSF
TESTED GLASS:	3/16"-ANNEALED

MAX. JAMB SCREW SPACING: 15-3/4" & 17-3/4"

NON-IMPACT RESISTANT



ELEVATION
FLANGE FRAME
SINGLE HUNG WINDOW

3/16-ANNEALED GLASS-HD RAIL										
WINDOW COMPARATIVE ANALYSIS CHART										
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF								
		WOOD SCREWS (2x WOOD BUCK)			TAPCONS (1x WOOD BUCK)			TAPCONS (1x WOOD BUCK)		
WIDTH (INCHES)	HEIGHT (INCHES)	QTY. OF SCREWS	POSITIVE	NEGATIVE	QTY. OF SCREWS	POSITIVE	NEGATIVE	QTY. OF SCREWS	POSITIVE	NEGATIVE
19-1/8	26	(3)	63.3	220.7	(3)	63.3	144.4	(5)	63.3	240.6
26-1/2			63.3	159.3		63.3	104.2		63.3	173.7
37			63.3	114.1		63.3	74.6		63.3	124.4
53-1/8			63.3	79.4		56.6	52.0		63.3	86.6
19-1/8	38-3/8	(5)	63.3	249.2	(5)	63.3	163.0	(7)	63.3	228.3
26-1/2			63.3	179.8		63.3	117.7		63.3	164.7
37			63.3	128.8		63.3	84.3		63.3	118.0
53-1/8			63.3	89.7		63.3	58.7		63.3	82.2
19-1/8	50-5/8	(5)	63.3	188.9	(5)	63.3	123.6	(7)	63.3	173.0
26-1/2			63.3	136.3		63.3	89.2		63.3	124.9
37			63.3	97.6		63.3	63.9		63.3	89.4
53-1/8			63.3	68.0		-	-		63.3	62.3
19-1/8	56	(6)	63.3	204.9	(6)	63.3	134.1	(8)	63.3	178.8
26-1/2			63.3	147.9		63.3	96.8		63.3	129.0
37			63.3	105.9		63.3	69.3		63.3	92.4
53-1/8			63.3	73.8		52.6	48.3		63.3	64.4
19-1/8	63	(7)	63.3	212.5	(7)	63.3	139.0	(9)	63.3	178.8
26-1/2			63.3	153.4		63.3	100.3		63.3	129.0
37			63.3	105.7		63.3	71.9		63.3	92.4
53-1/8			63.3	68.7		54.5	50.1		63.3	64.4
19-1/8	74-1/4	(7)	63.3	180.3	(7)	63.3	118.0	(9)	63.3	151.7
26-1/2			63.3	130.1		63.3	85.1		63.3	109.5
37			63.3	88.8		63.3	61.0		63.3	78.4
53-1/8			59.6	59.6		-	-		59.5	54.6

NO. IN PARENTHESIS INDICATES NO. OF ANCHORS PER JAMB

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
2. 1x OR 2 x WOOD BUCKS SHALL BE INSTALLED (NOT BY LAWSON IND.) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
3. ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
4. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

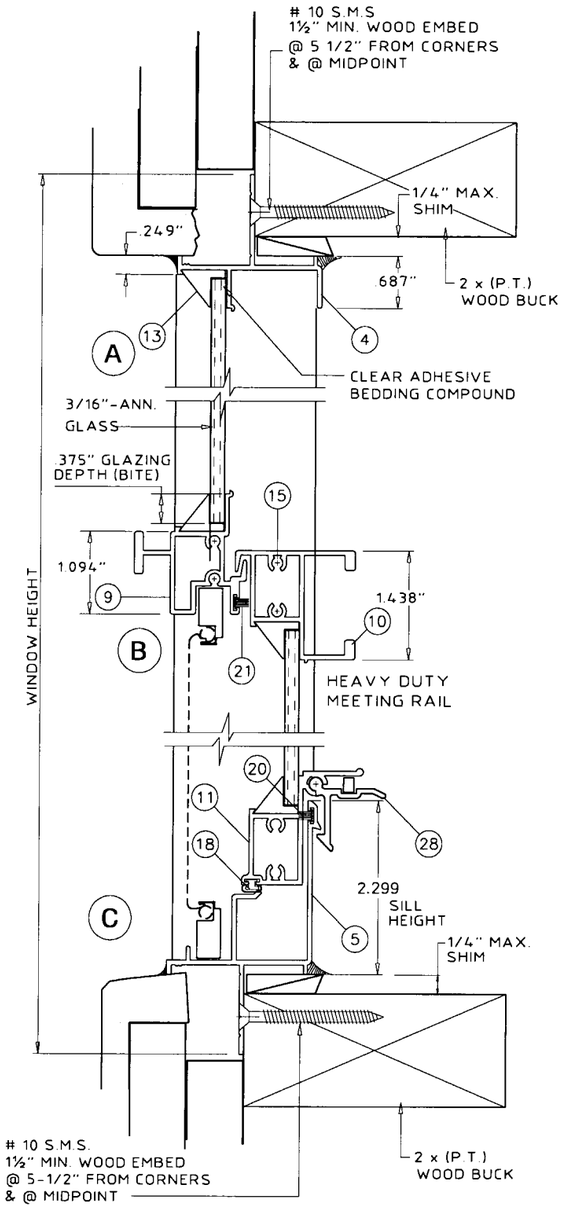
LAWSON INDUSTRIES, INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
Fl. License No: PE 0010983

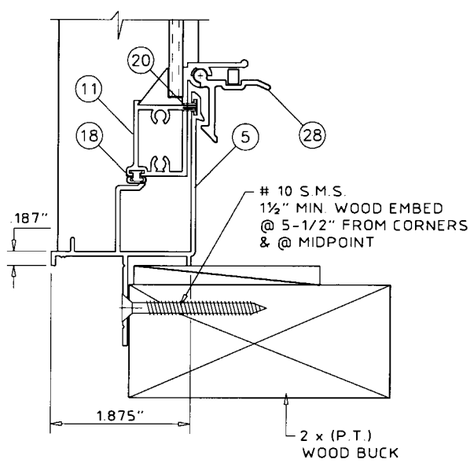
OCT 15 2001

revisions			
no	date	by	description
00	10/15/01	VJK	PREV. DWG. No. 97-481

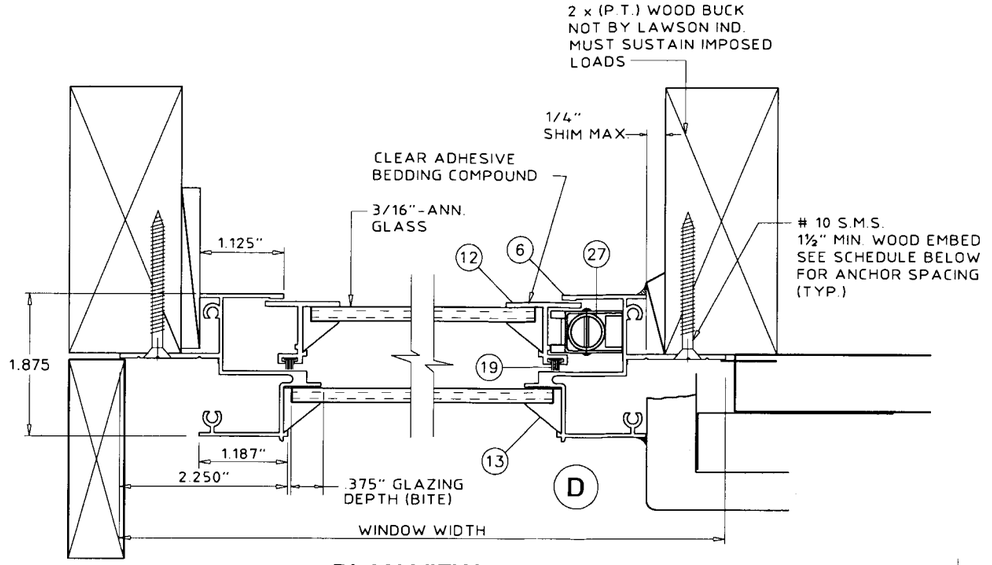
date 10/15/01
scale AS NOTED
drawn by AV
design by VJK
checked by VJK
drawing no. 01-490
sheet 2 of 7



HEADER & SILL SECTION



ALT. SILL SECTION



PLAN VIEW

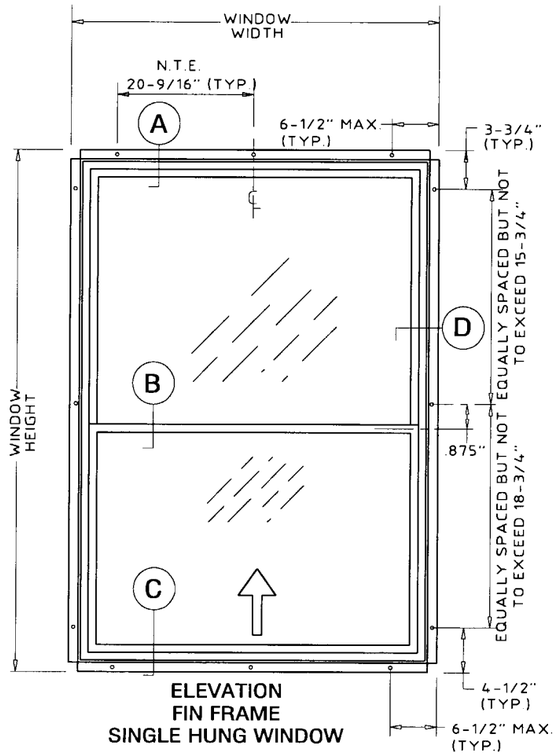
3/16"-ANNEALED GLASS-HD RAIL			
WINDOW COMPARATIVE ANALYSIS CHART			
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF	
WIDTH (INCHES)	HEIGHT (INCHES)	POSITIVE	NEGATIVE
19-1/8	26 (3)	63.3	510.8
26-1/2		63.3	322.4
37		63.3	211.4
53-1/8		63.3	138.3
19-1/8	38-3/8 (5)	63.3	428.7
26-1/2		63.3	258.4
37		63.3	159.4
53-1/8		63.3	100.4
19-1/8	50-5/8 (5)	63.3	316.1
26-1/2		63.3	208.0
37		63.3	136.0
53-1/8		63.3	81.8
19-1/8	56 (6)	63.3	283.4
26-1/2		63.3	186.4
37		63.3	125.2
53-1/8		63.3	76.5
19-1/8	63 (7)	63.3	249.7
26-1/2		63.3	164.2
37		63.3	110.3
53-1/8		63.3	71.2
19-1/8	74-1/4 (7)	63.3	209.6
26-1/2		63.3	137.7
37		63.3	92.5
53-1/8		61.4	61.4

NO. IN PARENTHESIS INDICATES NO. OF ANCHORS PER JAMB

3/16" ANNEALED GLASS
FIN FRAME
2x WOOD BUCK
HEAVY DUTY RAIL
TEST UNIT
PERFORMANCE SUMMARY

REFERENCE:	FTL-1891 12-11-97
TEST SIZE:	54-1/8" X 75-1/2"
TEST LOADS:	+94.5, -94.5 PSF
DESIGN LOADS:	+63.0, -63.0 PSF
WATER INFILTRATION TEST:	9.5 PSF
TESTED GLASS:	3/16"-ANNEALED
MAX. JAMB SCREW SPACING:	15-3/4" & 18-3/4"

NON-IMPACT RESISTANT



ELEVATION
FIN FRAME
SINGLE HUNG WINDOW

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE November 29, 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1106.03

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
2. 2 x WOOD BUCKS SHALL BE INSTALLED (NOT BY LAWSON IND.) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
3. ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
4. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

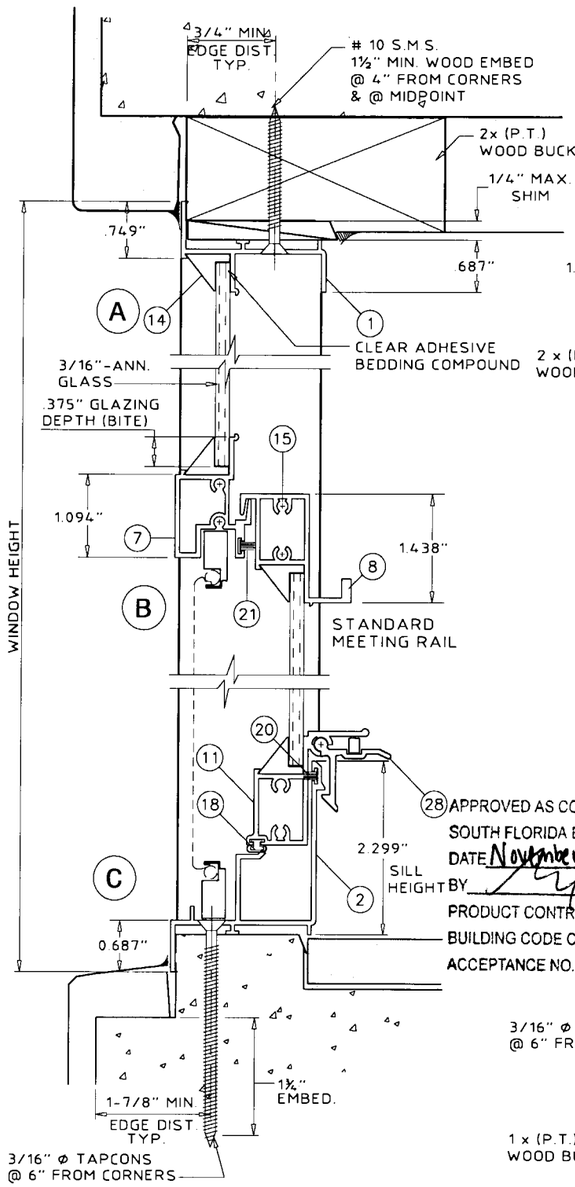
LAWSON INDUSTRIES, INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

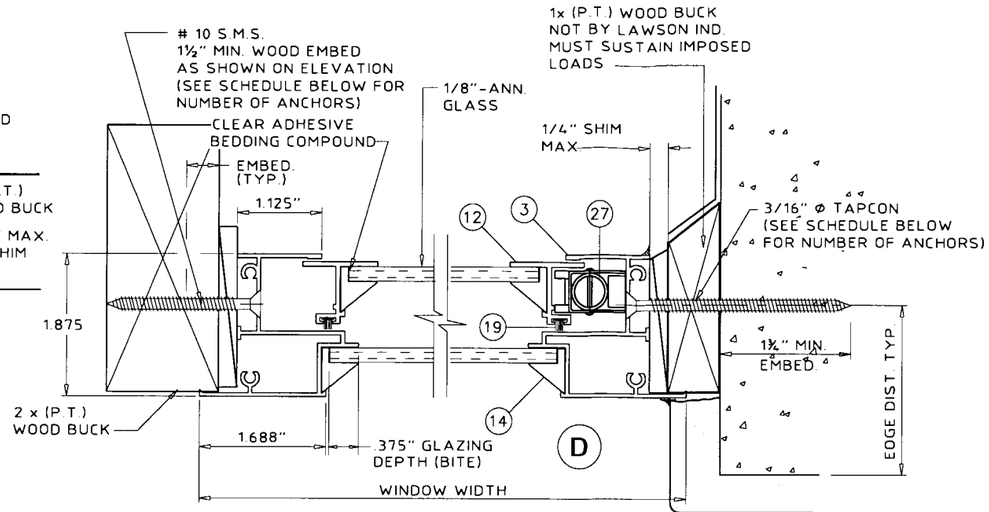
OCT 15 2001

revisions			
no	date	by	description
00	10/15/01	VJK	PREV. DWG. No. 97-48

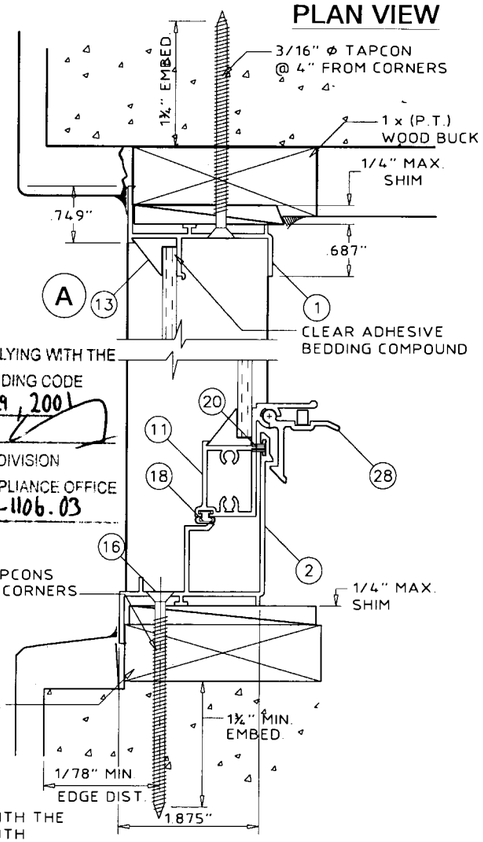
date 10/15/01
scale AS NOTED | drawn by AV
design by VJK | checked by VJK
drawing no. 01-490
sheet 3 of 7



HEADER & SILL SECTION



PLAN VIEW



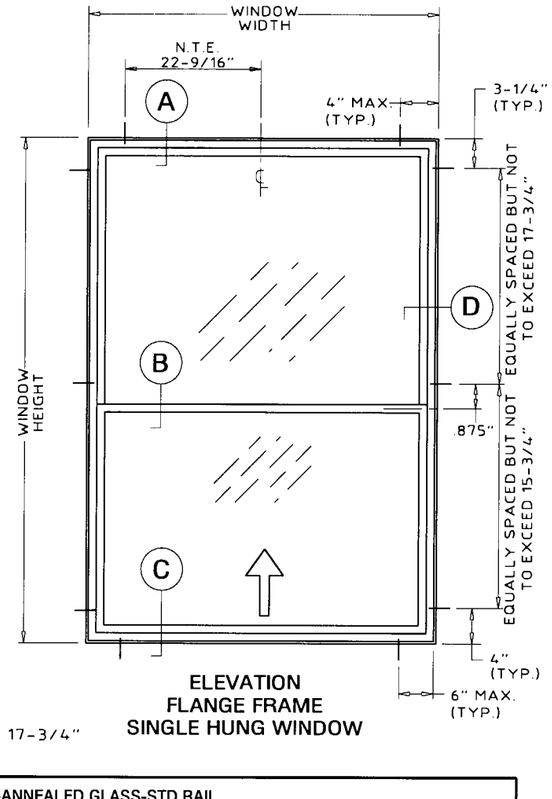
ALT. HEADER & SILL SECTION

3/16" ANNEALED GLASS
FLANGE FRAME
1x OR 2x WOOD BUCK
STANDARD RAIL
TEST UNIT
PERFORMANCE SUMMARY

REFERENCE:	FTL-1892 12-8-97
TEST SIZE:	53-1/8" X 74-1/4"
TEST LOADS:	+67.5, -67.5 PSF
DESIGN LOADS:	+45.0, -45.0 PSF
TESTED GLASS:	3/16"-ANNEALED

MAX. JAMB SCREW SPACING: 15-3/4" & 17-3/4"

NON-IMPACT RESISTANT



ELEVATION
FLANGE FRAME
SINGLE HUNG WINDOW

3/16-ANNEALED GLASS-STD RAIL

WINDOW COMPARATIVE ANALYSIS CHART

WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF								
		WOOD SCREWS (2x WOOD BUCK)			TAPCONS (1x WOOD BUCK)			TAPCONS (1x WOOD BUCK)		
WIDTH (INCHES)	HEIGHT (INCHES)	QTY. OF SCREWS	POSITIVE	NEGATIVE	QTY. OF SCREWS	POSITIVE	NEGATIVE	QTY. OF SCREWS	POSITIVE	NEGATIVE
19-1/8	26	(3)	63.3	204.6	(3)	63.3	144.4	(5)	63.3	240.6
26-1/2			63.3	147.7		63.3	104.2		63.3	173.7
37			63.3	105.8		63.3	74.6		63.3	124.4
53-1/8			63.3	73.7		56.6	52.0		63.3	86.6
19-1/8	38-3/8	(5)	63.3	231.1	(5)	63.3	163.0	(7)	63.3	228.3
26-1/2			63.3	166.8		63.3	117.7		63.3	164.7
37			63.3	109.8		63.3	84.3		63.3	109.8
53-1/8			63.3	69.1		63.3	58.7		63.3	69.1
19-1/8	50-5/8	(5)	63.3	175.2	(5)	63.3	123.6	(7)	63.3	173.0
26-1/2			63.3	126.4		63.3	89.2		63.3	124.9
37			63.3	90.5		63.3	63.9		63.3	89.4
53-1/8			56.4	56.4		-	-		56.4	56.4
19-1/8	56	(6)	63.3	190.0	(6)	63.3	134.1	(8)	63.3	178.8
26-1/2			63.3	137.1		63.3	96.8		63.3	129.0
37			63.3	89.7		63.3	69.3		63.3	89.7
53-1/8			52.7	52.7		52.6	48.3		52.7	52.7
19-1/8	63	(7)	63.3	197.1	(7)	63.3	139.0	(9)	63.3	178.8
26-1/2			63.3	142.2		63.3	100.3		63.3	129.0
37			63.3	86.3		63.3	71.9		63.3	86.3
53-1/8			49.0	49.0		49.0	49.0		49.0	49.0
19-1/8	74-1/4	(7)	63.3	167.2	(7)	63.3	118.0	(9)	63.3	151.7
26-1/2			63.3	120.7		63.3	85.1		63.3	109.5
37			63.3	84.4		63.3	61.0		63.3	78.4
53-1/8			-	-		-	-		-	-

NO. IN PARENTHESIS INDICATES NO. OF ANCHORS PER JAMB

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
2. 1x OR 2 x WOOD BUCKS SHALL BE INSTALLED (NOT BY LAWSON IND.) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
3. ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
4. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

LAWSON INDUSTRIES, INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

OCT 15 2001

revisions

no	date	by	description
00	10/15/01	VJK	PREV. DWG. No. 97-481

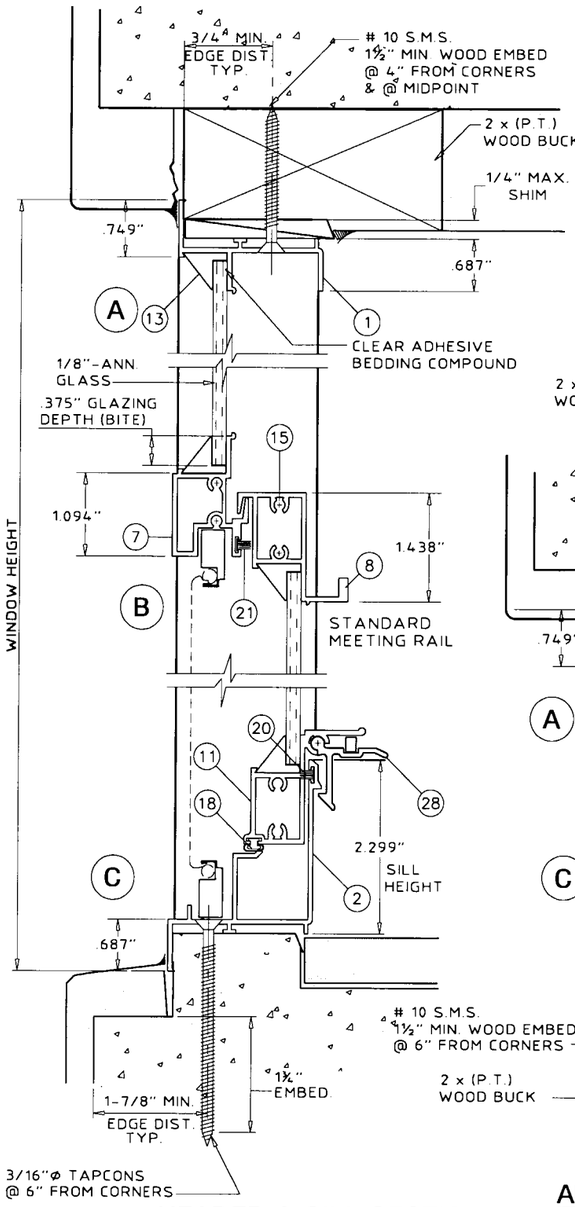
date 10/15/01
scale AS NOTED
drawn by AV
design by VJK
checked by VJK
drawing no 01-490
sheet 4 of 7

01-490-4.dwg 10-15-01 9:57:35 am EST

DSB-3mm-ANNEALED GLASS
FLANGE FRAME
1x OR 2x WOOD BUCK
STANDARD RAIL
TEST UNIT
PERFORMANCE SUMMARY

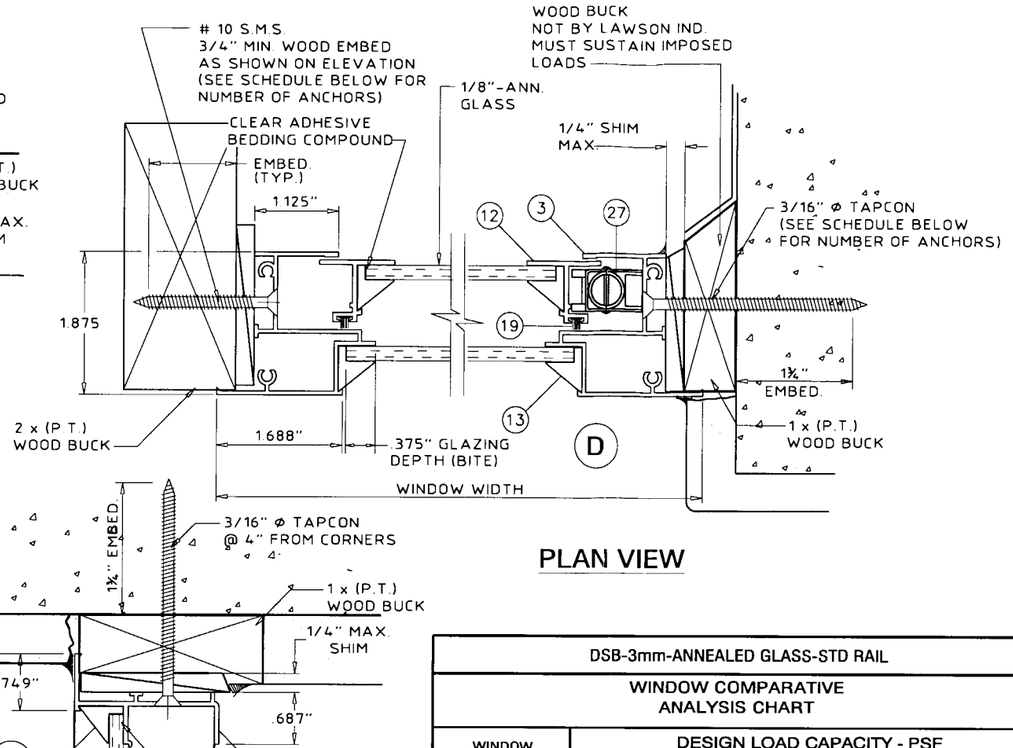
REFERENCE:	FTL-1893 12-11-97
TEST SIZE:	53-1/8" X 63"
TEST LOADS:	+62.00, -62.00 PSF
DESIGN LOADS:	+41.33, -41.33 PSF
WATER INFILTRATION TEST:	9.5 PSF
TESTED GLASS:	DSB-3MM-ANNEALED
MAX. JAMB SCREW SPACING:	15" & 13"

NON-IMPACT RESISTANT



HEADER & SILL SECTION

ALT. HEADER & SILL SECTION

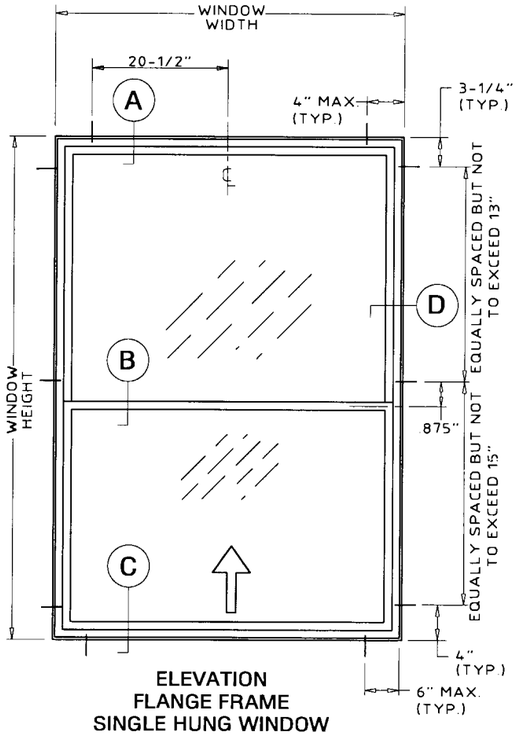


PLAN VIEW

DSB-3mm-ANNEALED GLASS-STD RAIL							
WINDOW COMPARATIVE ANALYSIS CHART							
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF					
		WOOD SCREWS			TAPCONS		
WIDTH (INCHES)	HEIGHT (INCHES)	QTY. OF SCREWS	POSITIVE	NEGATIVE	QTY. OF SCREWS	POSITIVE	NEGATIVE
19-1/8	26	(3)	63.3	219.1	(3)	63.3	144.4
26-1/2			63.3	158.1		63.3	104.2
37			63.3	113.2		63.3	74.6
53-1/8			63.3	78.9		56.6	52.0
19-1/8	38-3/8	(5)	63.3	212.4	(5)	63.3	163.0
26-1/2			63.3	144.3		63.3	117.7
37			63.3	92.5		63.3	84.3
53-1/8			58.3	58.3		58.3	58.3
19-1/8	50-5/8	(5)	63.3	157.8	(5)	63.3	123.6
26-1/2			63.3	107.0		63.3	89.2
37			63.3	73.5		63.3	63.9
53-1/8			47.5	47.5		47.5	44.5
19-1/8	56	(6)	63.3	141.8	(6)	63.3	134.1
26-1/2			63.3	96.2		63.3	96.2
37			63.3	66.0		63.3	66.0
53-1/8			44.4	44.4		44.4	44.4
19-1/8	63	(7)	63.3	125.3	(7)	63.3	125.3
26-1/2			63.3	84.9		63.3	84.9
37			58.3	58.3		63.3	58.3
53-1/8			39.4	39.4		39.4	39.4
19-1/8	74-1/4						
26-1/2							
37							
53-1/8							

NO. IN PARENTHESIS INDICATES NO. OF ANCHORS PER JAMB

NOT TESTED



ELEVATION
FLANGE FRAME
SINGLE HUNG WINDOW

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
2. 1 x OR 2 x WOOD BUCKS SHALL BE INSTALLED (NOT BY LAWSON IND.) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
3. ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
4. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 26, 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1106.07

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

LAWSON INDUSTRIES, INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

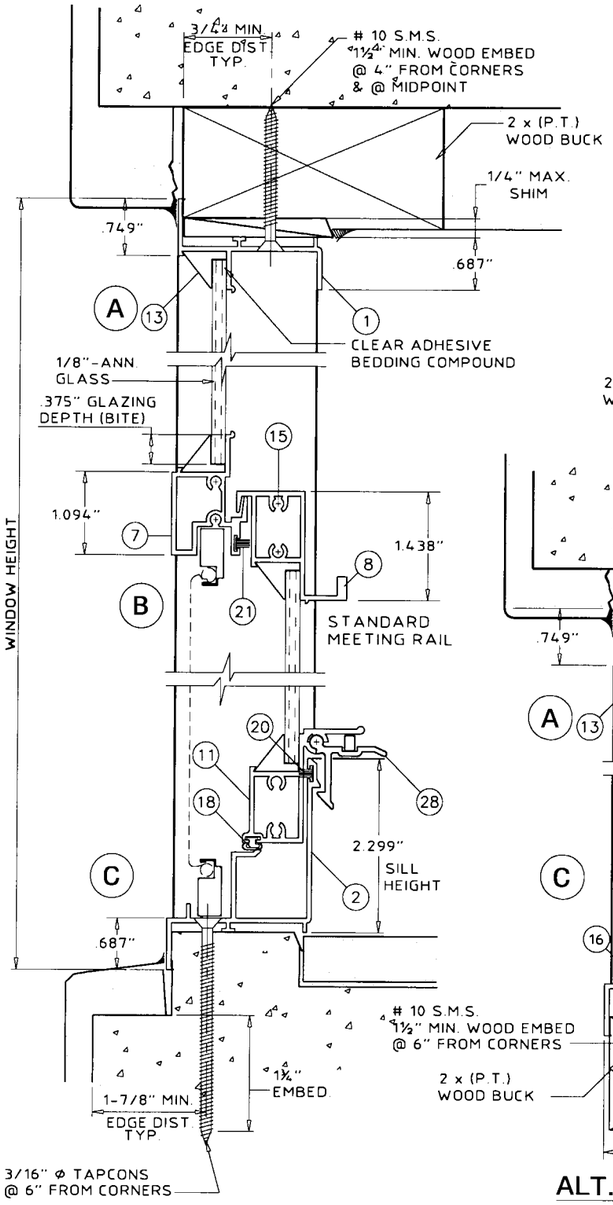
V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

OCT 15 2001

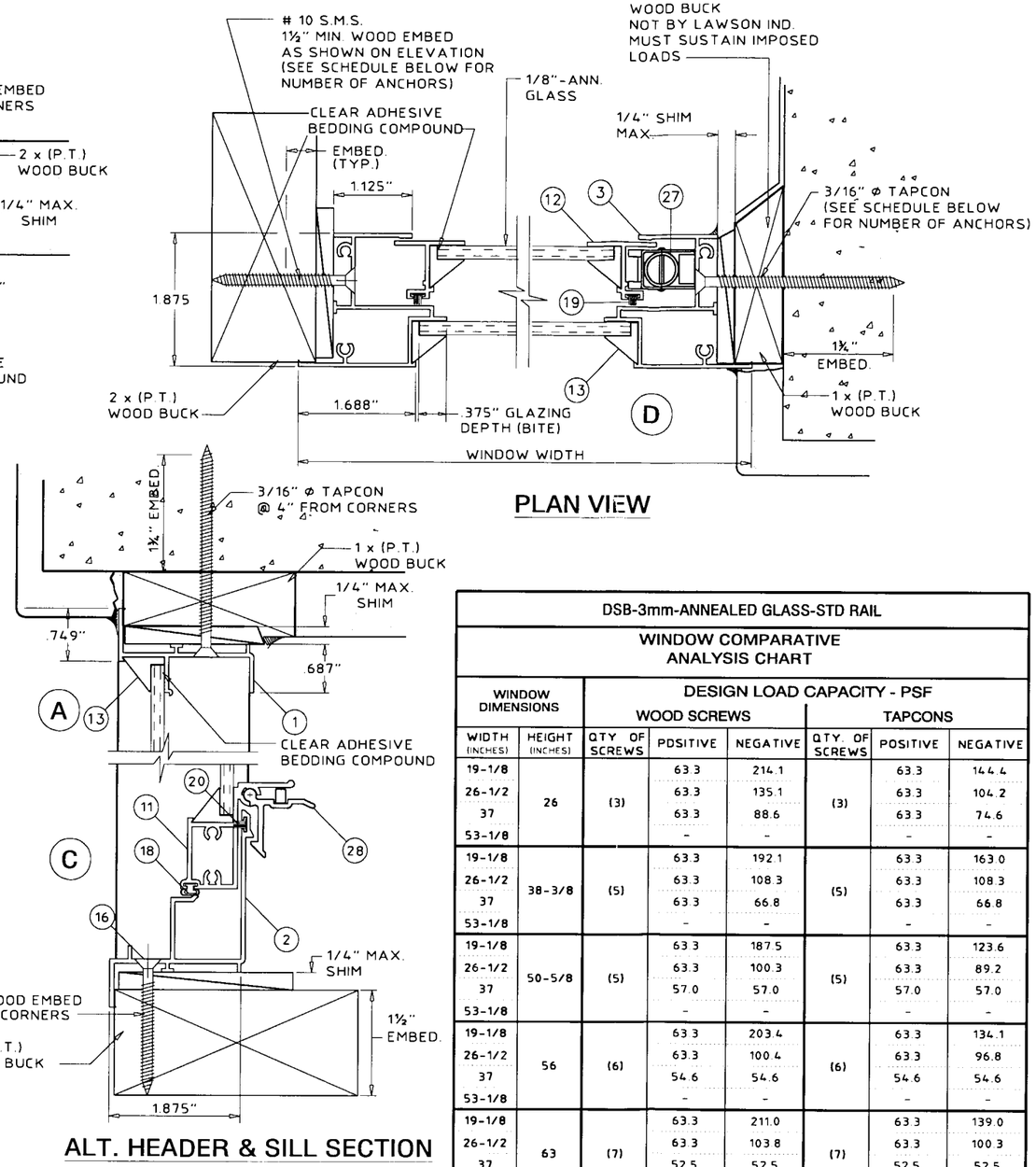
revisions			
no	date	by	description
00	10/15/01	VJK	PREV DWG No. 97-491

date 10/15/01
scale AS NOTED
drawn by AV
design by VJK
checked by VJK
drawing no. 01-490
sheet 5 of 7

01-490-5.dwg 10-15-01 9:59:00 am EST



HEADER & SILL SECTION



PLAN VIEW

ALT. HEADER & SILL SECTION

DSB-3mm-ANNEALED GLASS-STD RAIL							
WINDOW COMPARATIVE ANALYSIS CHART							
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF					
		WOOD SCREWS			TAPCONS		
WIDTH (INCHES)	HEIGHT (INCHES)	QTY OF SCREWS	POSITIVE	NEGATIVE	QTY. OF SCREWS	POSITIVE	NEGATIVE
19-1/8	26	(3)	63.3	214.1	(3)	63.3	144.4
26-1/2			63.3	135.1		63.3	104.2
37			63.3	88.6		63.3	74.6
53-1/8			-	-		-	-
19-1/8	38-3/8	(5)	63.3	192.1	(5)	63.3	163.0
26-1/2			63.3	108.3		63.3	108.3
37			63.3	66.8		63.3	66.8
53-1/8			-	-		-	-
19-1/8	50-5/8	(5)	63.3	187.5	(5)	63.3	123.6
26-1/2			63.3	100.3		63.3	89.2
37			57.0	57.0		57.0	57.0
53-1/8			-	-		-	-
19-1/8	56	(6)	63.3	203.4	(6)	63.3	134.1
26-1/2			63.3	100.4		63.3	96.8
37			54.6	54.6		54.6	54.6
53-1/8			-	-		-	-
19-1/8	63	(7)	63.3	211.0	(7)	63.3	139.0
26-1/2			63.3	103.8		63.3	100.3
37			52.5	52.5		52.5	52.5
53-1/8			-	-		-	-
19-1/8	74-1/4	(7)	63.3	179.0	(7)	63.3	118.0
26-1/2			58.3	119.2		63.3	85.1
37			51.3	51.3		51.3	51.3
53-1/8			-	-		-	-

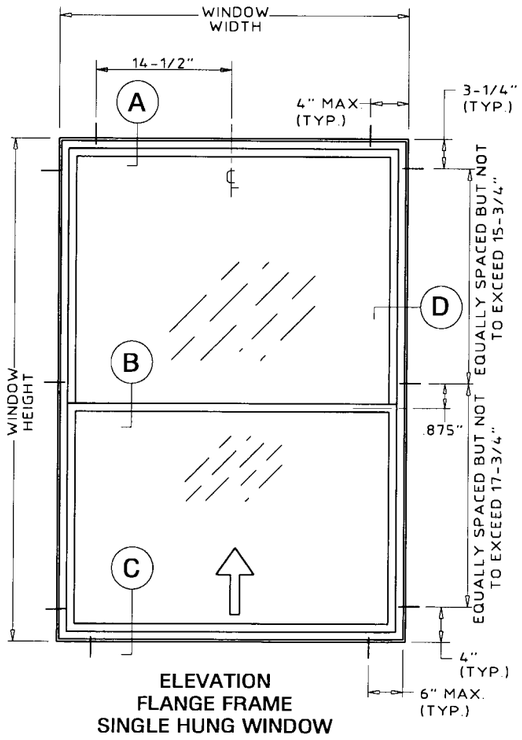
NO. IN PARENTHESIS INDICATES NO. OF ANCHORS PER JAMB

DSB-3mm-ANNEALED GLASS FLANGE FRAME 1x OR 2x WOOD BUCK STANDARD RAIL TEST UNIT PERFORMANCE SUMMARY

REFERENCE:	FTL-1895 12-11-97
TEST SIZE:	37" X 74-1/4"
TEST LOADS:	+77.0, -77.0 PSF
DESIGN LOADS:	+51.3, -51.3 PSF
WATER INFILTRATION TEST:	9.5 PSF
TESTED GLASS:	DSB-3MM-ANNEALED

MAX. JAMB SCREW SPACING: 17-3/4" & 15-3/4"

NON-IMPACT RESISTANT



ELEVATION
FLANGE FRAME
SINGLE HUNG WINDOW

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
2. 1 x OR 2 x WOOD BUCKS SHALL BE INSTALLED (NOT BY LAWSON IND.) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
3. ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY
4. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE November 29, 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-1106.03

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

LAWSON INDUSTRIES, INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

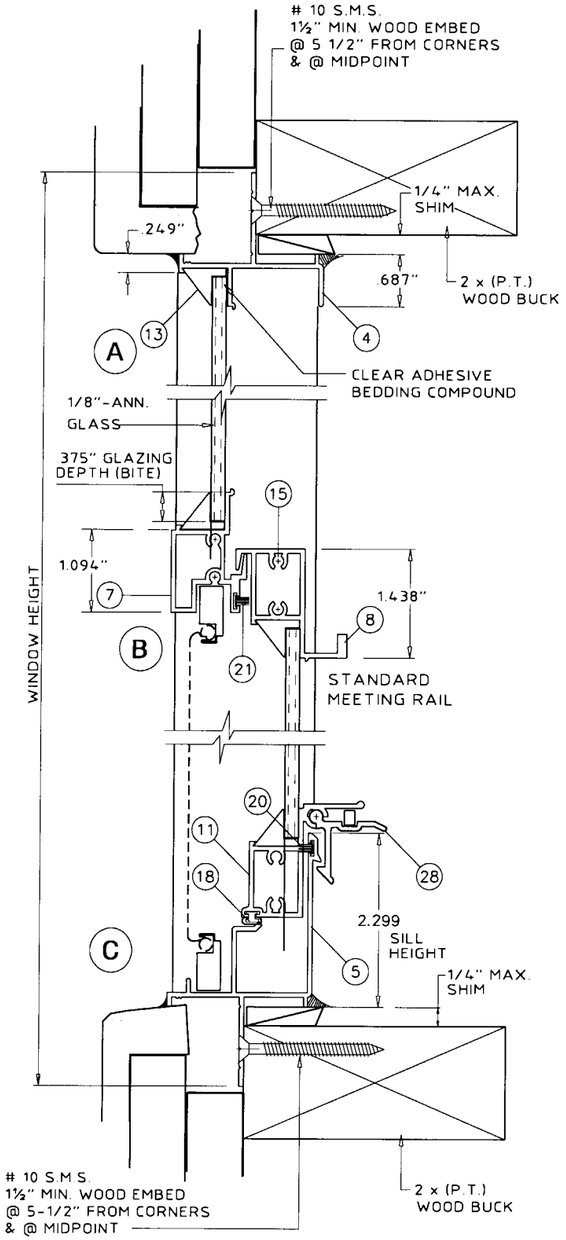
V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

OCT 15 2001

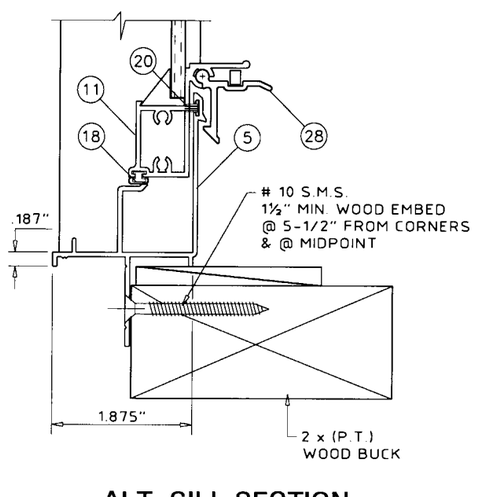
revisions			
no	date	by	description
00	10/15/01	VJK	PREV. DWG. No. 97-491

date 10/15/01
scale AS NOTED
drawn by AV
design by VJK
checked by VJK
drawing no. 01-490
sheet 6 of 7

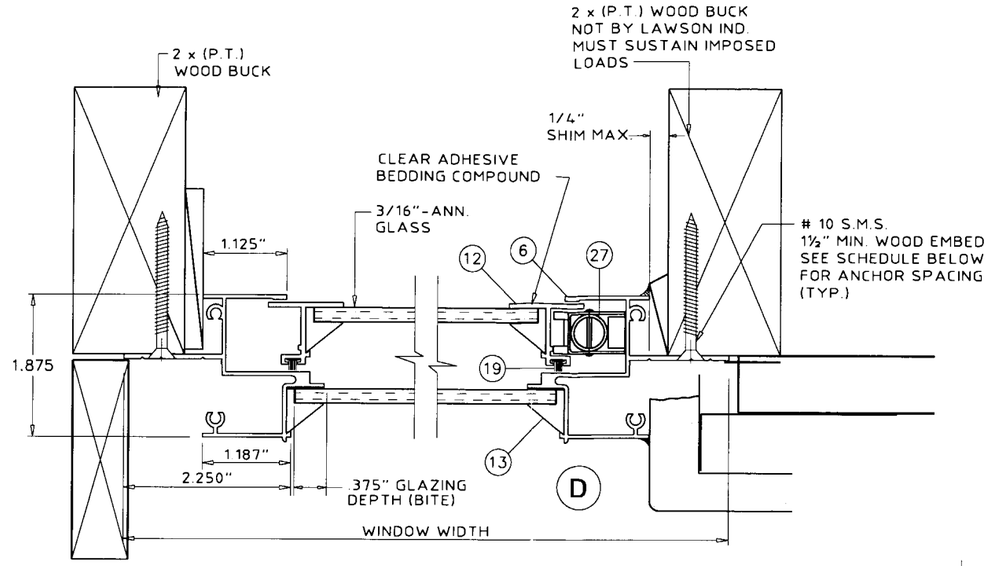
01-490-6.dwg 10-15-01 10:07:26 am EST



HEADER & SILL SECTION



ALT. SILL SECTION



PLAN VIEW

NOTES:

1. THIS WINDOW SYSTEM IS DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 1994 DADE COUNTY EDITION OF THE SOUTH FLORIDA BUILDING CODE (S.F.B.C.) CHAPTER 4, CHAPTER 23, CHAPTER 35, UNDER THE SPECIFIC CONDITIONS SHOWN ON THIS DRAWING.
2. 2 x WOOD BUCKS SHALL BE INSTALLED (NOT BY LAWSON IND.) AND ANCHORED SO THAT THE BUILDING RESISTS THE SUPERIMPOSED LOADS IN ACCORDANCE WITH REQUIREMENTS OF 1994 S.F.B.C.
3. ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
4. ANCHOR CONDITIONS NOT DESCRIBED IN THIS DRAWING ARE TO BE ENGINEERED ON A SITE SPECIFIC BASIS.

DSB-3mm-ANNEALED GLASS-STD RAIL			
WINDOW COMPARATIVE ANALYSIS CHART			
WINDOW DIMENSIONS		DESIGN LOAD CAPACITY - PSF	
WIDTH (INCHES)	HEIGHT (INCHES)	POSITIVE	NEGATIVE
19-1/8	26 (3)	63.3	308.3
26-1/2		63.3	194.6
37		63.3	127.6
53-1/8		63.3	83.5
19-1/8	38-3/8 (5)	63.3	231.3
26-1/2		63.3	153.4
37		63.3	96.2
53-1/8		60.6	60.6
19-1/8	50-5/8 (5)	63.3	171.4
26-1/2		63.3	113.5
37		63.3	76.7
53-1/8		49.4	49.4
19-1/8	56 (6)	63.3	153.9
26-1/2		63.3	101.9
37		63.3	68.9
53-1/8		46.0	46.0
19-1/8	63 (7)	63.3	135.9
26-1/2		63.3	89.9
37		60.8	60.8
53-1/8		40.6	40.6
19-1/8	74-1/4		
26-1/2			
37			
53-1/8			

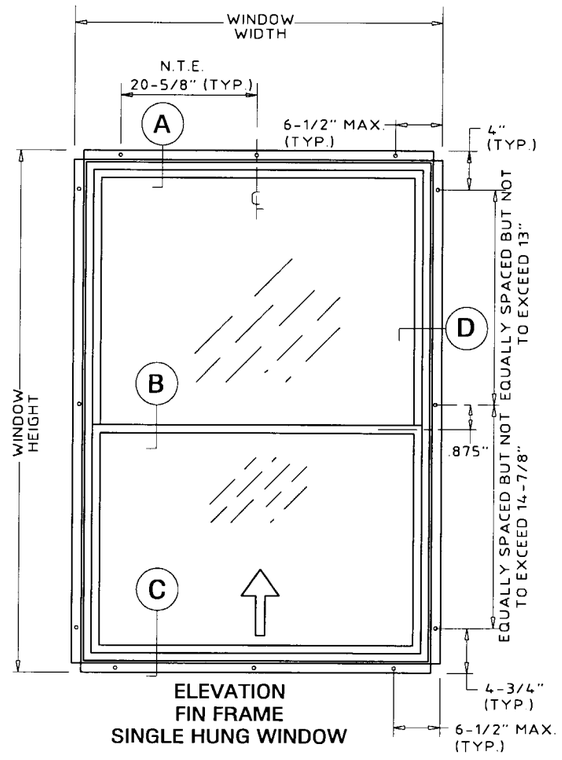
NO. IN PARENTHESIS INDICATES NO. OF ANCHORS PER JAMB

NOT TESTED

DSB-3mm-ANNEALED GLASS
FIN FRAME
2x WOOD BUCK
STANDARD RAIL
TEST UNIT
PERFORMANCE SUMMARY

REFERENCE:	FTL-1894 12-11-97
TEST SIZE:	54-1/4" X 64"
TEST LOADS:	+62.00, -62.00 PSF
DESIGN LOADS:	+41.33, -41.33 PSF
WATER INFILTRATION TEST:	9.4 PSF
TESTED GLASS:	DSB-3mm-ANNEALED
MAX. JAMB SCREW SPACING:	13" & 14-7/8"

NON-IMPACT RESISTANT



ELEVATION
FIN FRAME
SINGLE HUNG WINDOW

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE November 29, 2001
BY
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO 01-1106.03

KNEZEVICH & ASSOCIATES, INC.
CONSULTING ENGINEERS • PRODUCT TESTING
1260 N. UNIVERSITY DRIVE, SUITE 180 • FORT LAUDERDALE, FL 33322
TEL: (954) 382-2800 • FAX: (954) 382-2989 • FLORIDA COA #3205
WEBSITE: WWW.KNEZEVICH.COM • E-MAIL: KA@KNEZEVICH.COM

SERIES SH-7500
Single Hung Window

LAWSON INDUSTRIES,INC
MANUFACTURERS OF WINDOWS & DOORS
7030 N.W. 37th CT.
MIAMI, FLORIDA 33147
(305) 696-8660

V.J. KNEZEVICH
PROFESSIONAL ENGINEER
FL License No: PE 0010983

OCT 15 2001

revisions			
no	date	by	description
00	10/15/01	VJK	PREV. DWG. No. 97-481

date 10/15/01
scale AS NOTED
drawn by AV
design by VJK
checked by VJK
drawing no 01-490
sheet 7 of 7