



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 8500 Aluminum Horizontal Sliding 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.: 01-0724.05
EXPIRES: 08/31/2006

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: 08/16/2001

Lawson Industries, Inc.

ACCEPTANCE No.: 01-0724.05

APPROVED : AUG 16 2001

EXPIRES : August 31, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This **renews** the Notice of Acceptance No. **98-1204.01**, which was issued on February 25, 1999. It renews the approval of an aluminum horizontal sliding window, as described in Section 2 of this Notice of Acceptance, 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 "8500" Aluminum Horizontal Sliding Window (Standard)** and its components shall be constructed in strict compliance with the following documents: Drawing No. **LTU-8500-2**, titled "Lawson Industries, Inc. Series-8500 Horizontal Rolling Window" Sheets 1 through 3 of 3 dated 08/01/98, 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. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

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

4. INSTALLATION

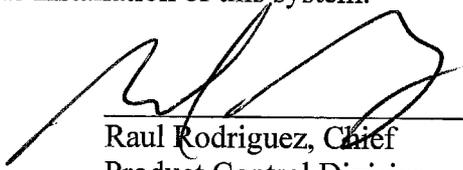
- 4.1 The aluminum horizontal sliding window and its components shall be installed in strict compliance with the approved drawings.
- 4.2 Hurricane protection system (shutters): the installation of this unit **will require** a hurricane protection system.

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.: 01-0724.05

APPROVED : AUG 16 2001

EXPIRES : August 31, 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.



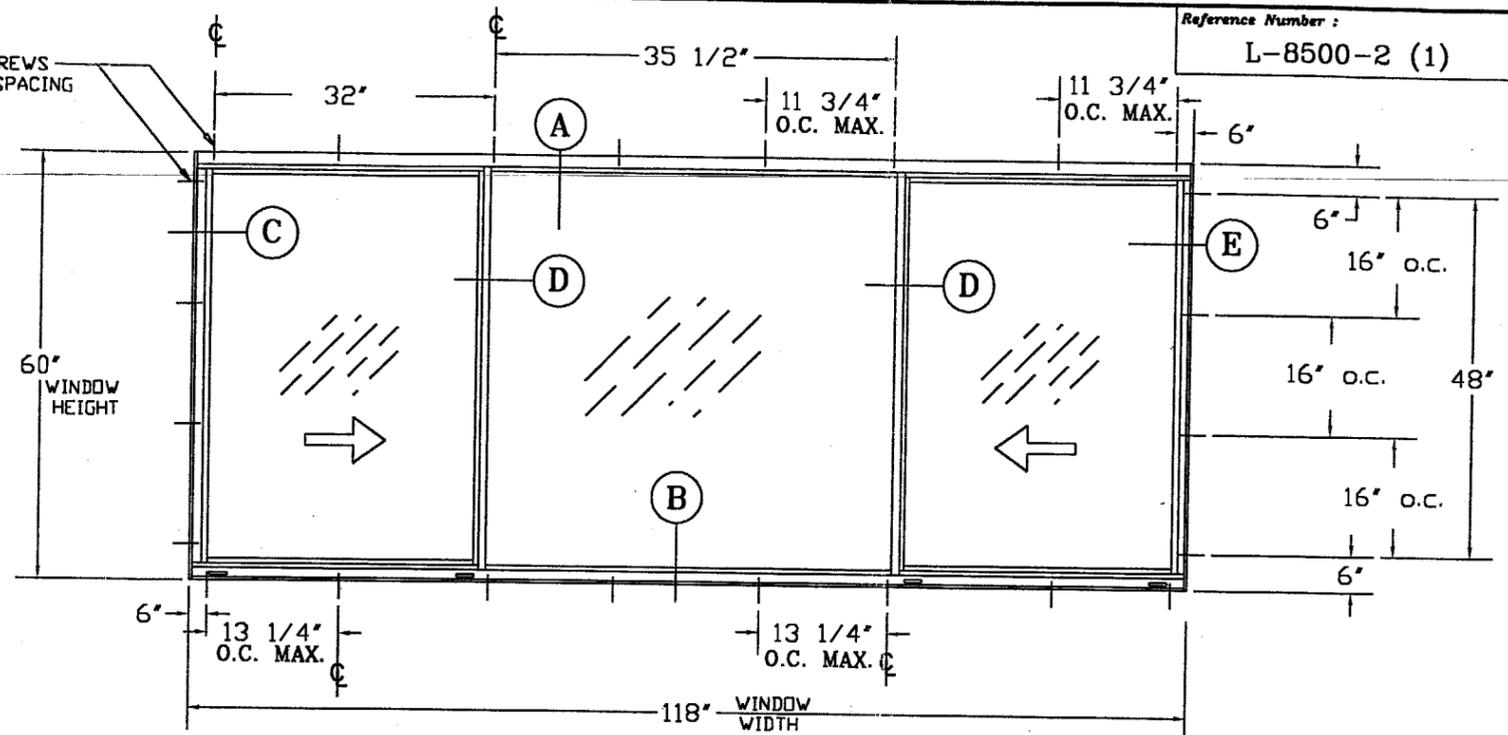
Raul Rodriguez, Chief
Product Control Division

END OF THIS ACCEPTANCE

Reference Number :
L-8500-2 (1)

INSTALLATION NOTE:
SCREWS & METHOD OF ATTACHMENT:
BASED ON MTL-15982 & REF. TO FTL-2121
MINIMUM REQUIRED FASTENER AS TESTED (SEE ELEVATION FOR LOCATION & SPACING)
SILL: #8 X 1 1/2" FH-SMS at a max. of 6" from ea. end and 13 1/4" o.c.
HEAD: #8 X 1 1/2" FH-SMS at a max. of 6" from ea. end & 11 3/4" o.c.
JAMBS: #8 X 1 1/2" FH-SMS at a max. of 6" from ea. end & 16" o.c.

INSTALLATION SCREWS
SEE NOTES FOR SPACING



BILL OF MATERIALS

ITEM #	PART #	REQD.	DESCRIPTION	REMARKS
1	AF-10520	1	FLANGE FRAME HEAD	6063-T5 ALUM.
2	AF-10597	1	FLANGE FRAME SILL	6063-T6 ALUM.
3	AF-10596	2	FLANGE FRAME JAMB	6063-T6 ALUM.
4	AF-10521	1	FRAME FIXED RAIL - STD.	6063-T6 ALUM.
5	AF-10522	1	VENT MEETING RAIL - STD.	6063-T6 ALUM.
6	AF-10524	1	VENT TOP/BOTTOM RAIL	6063-T5 ALUM.
7	AF-10523	1	VENT JAMB RAIL	6063-T6 ALUM.
8	L-768	AS REQ'D.	GLAZING BEAD (3/16")	ROLL FORMED ALUMINUM
9	FS-006	AS REQ'D.	FRAME ASSEMBLY SCREWS	#8 X 3/4" P.H. PHILLIPS
10	FS-015	AS REQ'D.	INSTALLATION SCREWS	#10 X 1 1/4" PHILLIPS
11	L-770	AS REQ'D.	VENT-JAMB RAIL WTS'P.	1/4" DIA. BULB - VINYL
12	PWS-003	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.210" (7820-6001-9)
13	PWS-005	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.350" (7834-6001-7)
14	PWS-004	AS REQ'D.	FIN SEAL WEATHERSTRIP	.187"x.310" (7930-6001-9)
15	L-7512	NONE	EXTERIOR FALSE MUNTIN	
16	L-7513	NONE	INTERIOR FALSE MUNTIN	
17	L-722	AS REQ'D.	SASH FACE GUIDE	(2 X VENT HOR. RAIL)
18	L-763	2	SASH ROLLER HOUSING	
19	L-764	2	SASH ROLLER / WHEEL	
20	AF-10595	1	SILL TRACK INSERT	6063-T5 ALUM.
21	AF-10240	2 / VENT	VENT LATCH	6063-T6 ALUM.
22	L-7523	2	VENT LATCH SPRING	
23	GlsCht-1	-	GLASS CHART I/I	
24	ScrCht-1	-	SCREEN CHART	
25	L-7547	1	PRODUCT LABEL	

ELEVATION
SERIES-8500 HORIZONTAL ROLLER WINDOW
TEST UNIT PERFORMANCE SUMMARY

BASED ON MTL-15982 & REF. TO FTL-2121
TEST SIZE = 9' - 10" X 5' - 0" - FLANGE (XOX)
TEST LOADS = +61.0, -61.0 PSF
DESIGN LOADS = +40.66, -40.66 PSF
WATER INFILTRATION TEST = 6.8 PSF (2 1/16" hi sill)
WATER INFILTRATION TEST = 9.1 PSF (2 5/8" hi sill)
TESTED GLASS = 3/16"-ANNEALED

NOTE: The installation of this unit will require a hurricane protective system.

NOTES:

- P. T. WOOD BUCKS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
- ALL EXPOSED INSTALLATION FASTENERS MUST BE PROPERLY SEALED AT THE SCREW HEAD WITH A SEAM-SEALANT.

PRODUCT REVIEW
ACCEPTANCE NO. 01-0724.05
EXPIRATION DATE Aug 31, 2006
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

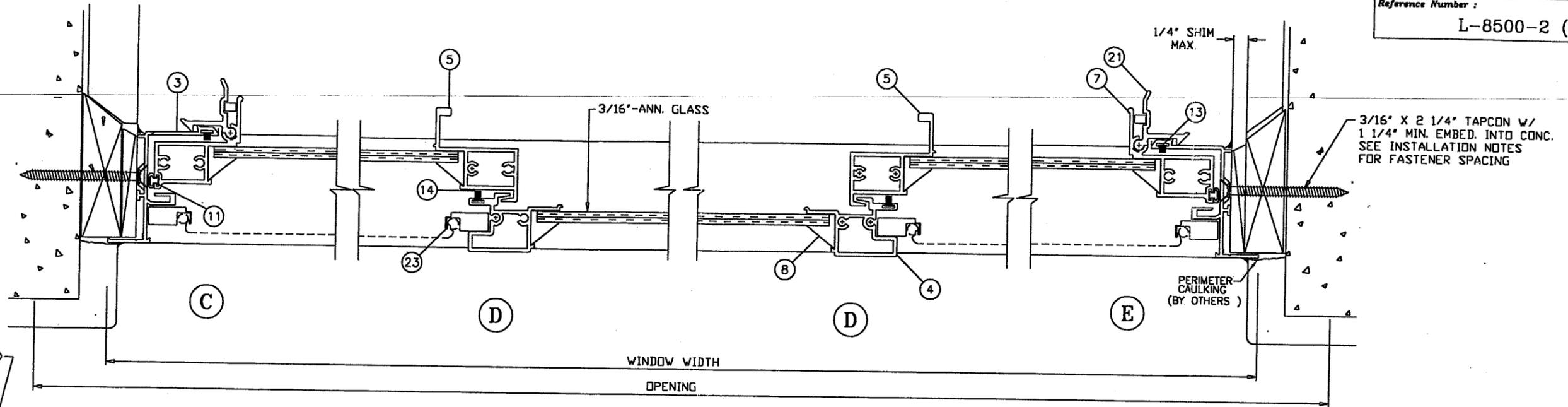
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE February 25, 1999
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1204.01

Commercial tolerances apply unless noted otherwise.

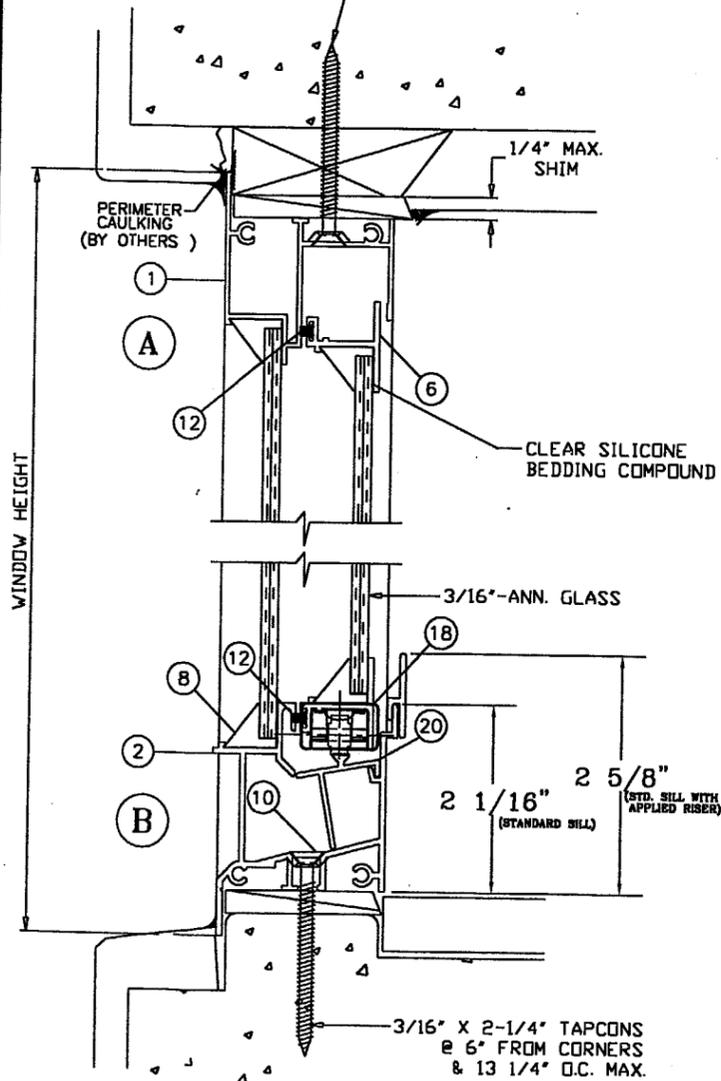
Revision Notes:		AWSON MANUFACTURERS OF WINDOWS & DOORS 7030N.W. 37th CT. MIAMI, FLORIDA 33147 (305) 696-8660	
Draw Class: LAYOUT	Part Class:	Prod Category: H.S.	Series/Model: 8500
Item: TEST	Sheet: 1 of 3	DRAWING NUMBER: LTU-8500-2	
Drawn By: N. ERAZO	Date Drawn: 08-1-98	SERIES-8500 HORIZONTAL ROLLING WINDOW - TEST UNIT 118" w. X 60" h. XOX - FLANGE FRAME w/ 3/16" ANNEALED GLASS, BILL OF MATERIALS, ELEVATION, INSTALLATION NOTES & TEST UNIT PERFORMANCE	
Revised By:	Date Revised:	Part Number: B.O.M. \ TEST UNIT \ 8500-98	Revision Level:
Reference:	Scale: 1/2" = 1"		

98 1204.01

Reference Number:
L-8500-2 (2)



3/16" CONC. FASTENER ("TAPCON")
1 1/4" MIN. EMBED. INTO CONC.
@ 2 3/4" FROM CORNERS
(SEE NOTES FOR SPACING)



**SERIES-8500 HORIZONTAL ROLLER WINDOW
TEST UNIT PERFORMANCE SUMMARY**

BASED ON MTL-15982 & REF. TO FTL-2121
TEST SIZE = 9' - 10" X 5' - 0" - FLANGE (XOX)
TEST LOADS = +61.0, -61.0 PSF
DESIGN LOADS = +40.66, -40.66 PSF
WATER INFILTRATION TEST = 6.8 PSF (2 1/16" hi sill)
WATER INFILTRATION TEST = 9.1 PSF (2 5/8" hi sill)
TESTED GLASS = 3/16"-ANNEALED

NOTE: The installation of this unit will require a hurricane protective system.

INSTALLATION NOTE:

SCREWS & METHOD OF ATTACHMENT:

BASED ON MTL-15982 & REF. TO FTL-2121
MINIMUM REQUIRED FASTENER AS TESTED (SEE ELEVATION FOR LOCATION & SPACING)
SILL: #8 X 1 1/2" FH-SMS at a max. of 6" from ea. end and 13 1/4" o.c.
HEAD: #8 X 1 1/2" FH-SMS at a max. of 6" from ea. end & 11 3/4" o.c.
JAMBS: #8 X 1 1/2" FH-SMS at a max. of 6" from ea. end & 16" o.c.

PRODUCT RENEW
ACCEPTANCE NO. 01-0724.05
EXPIRATION DATE Aug 31, 2006
BY [Signature]
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE February 25 1999
BY [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 98-1204.01

NOTES:

- P. T. WOOD BUCKS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- ANCHOR DESCRIBED IN THIS LAYOUT ARE AS PER TEST UNIT, OTHER CONDITIONS TO BE ENGINEERED SEPARATELY.
- ALL EXPOSED INSTALLATION FASTENERS MUST BE PROPERLY SEALED AT THE SCREW HEAD WITH A SEAM-SEALANT.

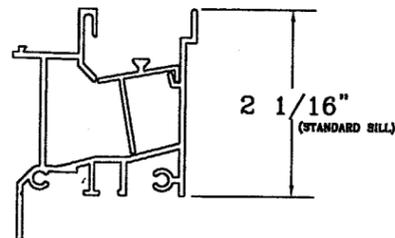
Commercial tolerances apply unless noted otherwise.

Revision Notes:				MANUFACTURERS OF WINDOWS & DOORS 7030N.W. 37th CT. MIAMI, FLORIDA 33147 (305) 696-8660			
Drawn By:	Date Drawn:			Draw Class:	Part Class:	Prod. Category:	Series/Model:
N. ERAZO	05-5-98	LAYOUT		H.S.	8500	TEST	2 of 3
Revised By:	Date Revised:	SERIES-8500 ROLLING - FLANGE FRAME WINDOW - TEST UNIT ASSEMBLY LAYOUT & DETAILS, INSTALLATION NOTES, ELEVATION, INSTALLATION DETAILS, GENERAL NOTES & TEST UNIT PERFORMANCE					
Reference:	Scale:	Part Number:	Drawing Number:	Revision Level:			
	1/2" = 1"	ASSEMBLY\TEST UNIT\8500-98	LTU-8500-2				

98-1204.01

SERIES: HS-8500 (XO or OX SIZES ONLY)
WINDOWS WITH 3/16"-ANNEALED GLASS

WINDOW DIMS.		DESIGN LOAD - PSF	
WIDTH	HEIGHT	EXT.	INT.
24"	24"	45.33	121.3
36"		45.33	121.3
48"		45.33	121.3
60"		45.33	121.3
72"		45.33	121.3
24"	36"	45.33	90.7
36"		45.33	90.7
48"		45.33	90.7
60"		45.33	90.7
72"		45.33	90.7
24"	48"	45.33	68.0
36"		45.33	68.0
48"		45.33	68.0
60"		45.33	66.0
72"		45.33	60.5
24"	60"	45.33	54.4
36"		45.33	54.4
48"		45.33	54.4
60"		45.33	48.4
72"		45.33	43.2



TEST UNIT PERFORMANCE SUMMARY

BASED ON MTL-15982 & REF. TO FTL-2121
 TEST SIZE = 9' - 10" X 5' - 0" - FLANGE (XOX)
 TEST LOADS = +61.0 -61.0 PSF
 DESIGN LOADS = +40.66, -40.66 PSF
 WATER INFILTRATION TEST = 6.8 PSF (2 1/16" hi sill)
 TESTED GLASS = 3/16"-ANNEALED

NOTE: The installation of this unit will require a hurricane protective system.

SERIES: HS-8500 (XOX SIZES ONLY)
WINDOWS WITH 3/16"-ANNEALED GLASS

WINDOW DIMS.		DESIGN LOAD - PSF	
WIDTH	HEIGHT	EXT.	INT.
84"	24"	45.33	121.3
96"		45.33	116.8
108"		45.33	102.9
84"		45.33	84.3
96"	36"	45.33	73.0
108"		45.33	64.3
84"	48"	45.33	61.3
96"		45.33	53.1
108"		45.33	46.8
84"		45.33	48.1
96"	60"	41.7	41.7
108"		45.33 *	43.0 *

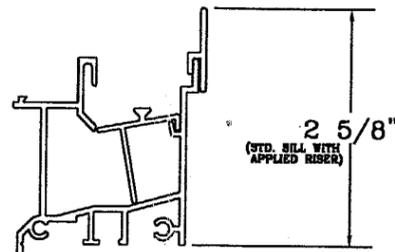
(*) 1/4" ANN. GLASS AT FIXED LITE ONLY

SERIES: HS-8500 (XO or OX SIZES ONLY)
WINDOWS WITH 3/16"-ANNEALED GLASS

WINDOW DIMS.		DESIGN LOAD - PSF	
WIDTH	HEIGHT	EXT.	INT.
37"	26"	45.33	121.3
53 1/8"		45.33	121.3
74"		45.33	121.3
37"	38 3/8"	45.33	85.1
53 1/8"		45.33	85.1
74"		45.33	85.1
37"	50 5/8"	45.33	64.5
53 1/8"		45.33	64.5
74"		45.33	55.0
37"	63"	45.33	51.8
53 1/8"		45.33	47.4

SERIES: HS-8500 (XO or OX SIZES ONLY)
WINDOWS WITH 3/16"-ANNEALED GLASS

WINDOW DIMS.		DESIGN LOAD - PSF	
WIDTH	HEIGHT	EXT.	INT.
24"	24"	60.66	121.3
36"		60.66	121.3
48"		60.66	121.3
60"		60.66	121.3
72"		60.66	121.3
24"		36"	60.66
36"	60.66		90.7
48"	60.66		90.7
60"	60.66		90.7
72"	60.66		90.7
24"	48"		60.66
36"		60.66	68.0
48"		60.66	68.0
60"		60.66	66.0
72"		60.5	60.5
24"		60"	60.66
36"	60.66		54.4
48"	60.66		54.4
60"	54.0		48.4
72"	48.2		43.2



TEST UNIT PERFORMANCE SUMMARY

BASED ON MTL-15982 & REF. TO FTL-2121
 TEST SIZE = 9' - 10" X 5' - 0" - FLANGE (XOX)
 TEST LOADS = +61.0, -61.0 PSF
 DESIGN LOADS = +40.66, -40.33 PSF
 WATER INFILTRATION TEST = 9.1 PSF (2 5/8" hi sill)
 TESTED GLASS = 3/16"-ANNEALED

Reference Number :
 L-8500-2 (3)

SERIES: HS-8500 (XOX SIZES ONLY)
WINDOWS WITH 3/16"-ANNEALED GLASS

WINDOW DIMS.		DESIGN LOAD - PSF	
WIDTH	HEIGHT	EXT.	INT.
84"	24"	60.66	121.3
96"		60.66	116.8
108"		60.66	102.9
84"		60.66	84.3
96"	36"	60.66	73.0
108"		50.66	64.3
84"	48"	60.66	61.3
96"		60.66	53.1
108"		60.66	46.8
84"		48.1	48.1
96"	60"	41.7	41.7
108"		48.0 *	43.0 *

(*) 1/4" ANN. GLASS AT FIXED LITE ONLY

SERIES: HS-8500 (XO or OX SIZES ONLY)
WINDOWS WITH 3/16"-ANNEALED GLASS

WINDOW DIMS.		DESIGN LOAD - PSF	
WIDTH	HEIGHT	EXT.	INT.
37"	26"	60.66	121.3
53 1/8"		60.66	121.3
74"		60.66	121.3
37"	38 3/8"	60.66	85.1
53 1/8"		60.66	85.1
74"		60.66	85.1
37"	50 5/8"	60.66	64.5
53 1/8"		60.66	64.5
74"		60.66	55.0
37"	63"	60.66	51.8
53 1/8"		52.8	47.4

PRODUCT RENEW
 ACCEPTANCE No. 01-0724.05
 EXPIRATION DATE Feb 31 2006
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE
 SOUTH FLORIDA BUILDING CODE
 DATE February 25 1999
 BY [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. 98-1204-01

98-1204-01

Revision Notes:	
Drawn By: N. ERAZO	Date Drawn: 11-5-98
Revised By:	Date Revised:
Reference:	Scale: 1/2" = 1"

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

Draw Class: LAYOUT	Part Class:	Prod. Category: H.S.	Series/Model: 8500	Item: TEST	Sheet: 3 of 3
SERIES-8500 HORIZONTAL ROLLING WINDOW - TEST UNIT 118" w. X 60" h. XOX - FLANGE FRAME w/ 3/16" ANNEALED GLASS & STD. RAILS COMPARATIVE ANALYSIS CHARTS & TEST UNIT PERFORMANCE					
Part Number: ASSEMBLY\TEST UNIT\8500-98	Drawing Number: LTU-8500-2	Revision Level:			