

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

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

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SH-7500 Flange Frame" Aluminum Single Hung Window – N.I.

APPROVAL DOCUMENT: Drawing No. **L7500-0401**, titled "SH-7500 Single Hung Flange Window", sheets 1 through 5 of 5, dated 09/20/04, with revision **H** dated 06/24/2020, prepared by the manufacturer, signed and sealed by Thomas J. Sotos, P.E., bearing the Miami-Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 and renews NOA No. 17-1212.20 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Sifang Zhao, P.E.

MIAMI-DADE COUNTY
APPROVED

5,2. 08/20/2020

NOA No. 20-0713.02 Expiration Date: September 01, 2025 Approval Date: August 20, 2020

Page 1

Lawson Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA's No. 05-0324.07 and 07-0925.11)
- 2. Drawing No. L7500-0401, titled "SH-7500 Single Hung Flange Window", sheets 1 through 5 of 5, dated 09/20/04, with revision H dated 06/24/2020, prepared by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

B. TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 2) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
 along with marked-up drawings and installation diagram of aluminum single hung windows (Fin/Flange mounted), prepared by Fenestration Testing Laboratories, Inc., Test Report No. FTL-5283, dated 08/24/07, signed and sealed by Carlos S. Rionda, P.E. (Submitted under NOA No.07-0925.11)
- 2. 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 aluminum single hung windows (flange-mounted), prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-4323, 4343, 4344, 4345, 4346, 4350, 4351, 4363, and 4364, all dated 11/08/04 and FTL-4505, dated 01/25/05, signed and sealed by Edmundo J. Largaespada, P.E. (Submitted under NOA No.05-0324.07)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC, Glazing complying with **ASTM E1300-04/09**, prepared by manufacturer, dated 08/03/09, signed and sealed by Thomas J. Sotos, P.E. *(Submitted under NOA No. 09-0720.06)*

D. OUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC 6th Edition (2017) and FBC 7th Edition (2020) and of no financial interest dated 07/10/2020, signed and sealed by Thomas J. Sotos, P.E.

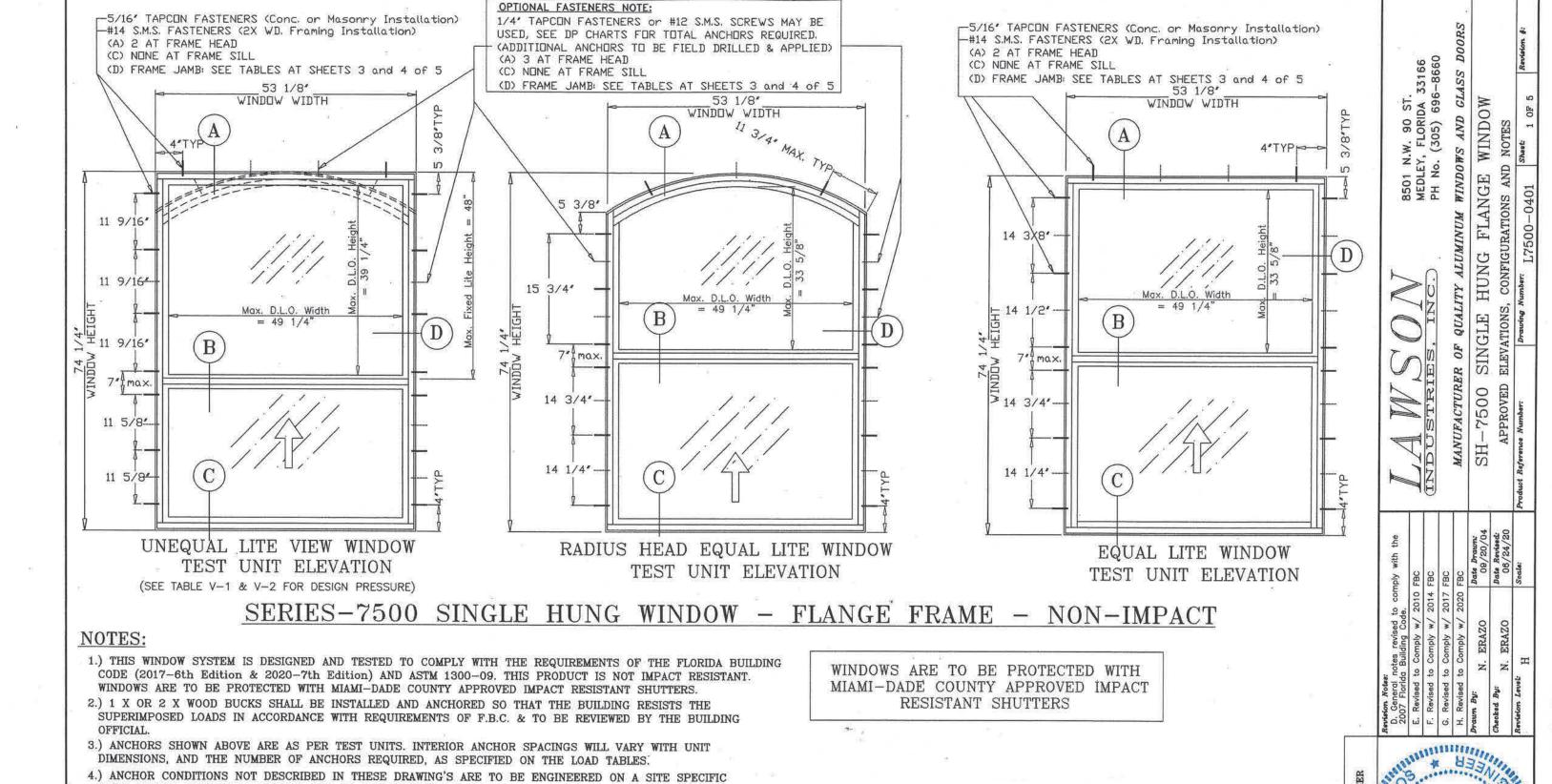
G. OTHERS

1. NOA No. 17-1212.20, expiring 09/01/2020.

Sifong Theo D.E.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 20-0713.02
Expiration Date: September 01, 2025

Approval Date: August 20, 2020



BASIS, UNDER SEPARATE APPROVAL AND TO BE REVIEWED BY BUILDING OFFICIAL.

10.) SEE SHEET # 4 FOR MULLION/METAL ATTACHMENT DETAILS & NOTES

DUTY MEETING RAIL ONLY.

7.) SEE PAGE 4 FOR LOCK OPTIONS.

5.) RADIUS HEAD WINDOWS ARE QUALIFIED FOR USE WITH ALL GLASS TYPES TABULATED HEREIN.

FROM THE WINDOWS OR MULLION APPROVAL WILL APPLY TO THE ENTIRE MULLED SYSTEM.

6.) VIEW WINDOWS ARE QUALIFIED FOR USE WITH 3/16" ANNEALED & 3/16" TEMPERED GLASS USING THE HEAVY

8.) APPROVAL APPLIES TO SINGLE UNITS OR MULTIPLE UNITS AND MAY BE MULLED VERTICALLY OR HORIZONTALLY.

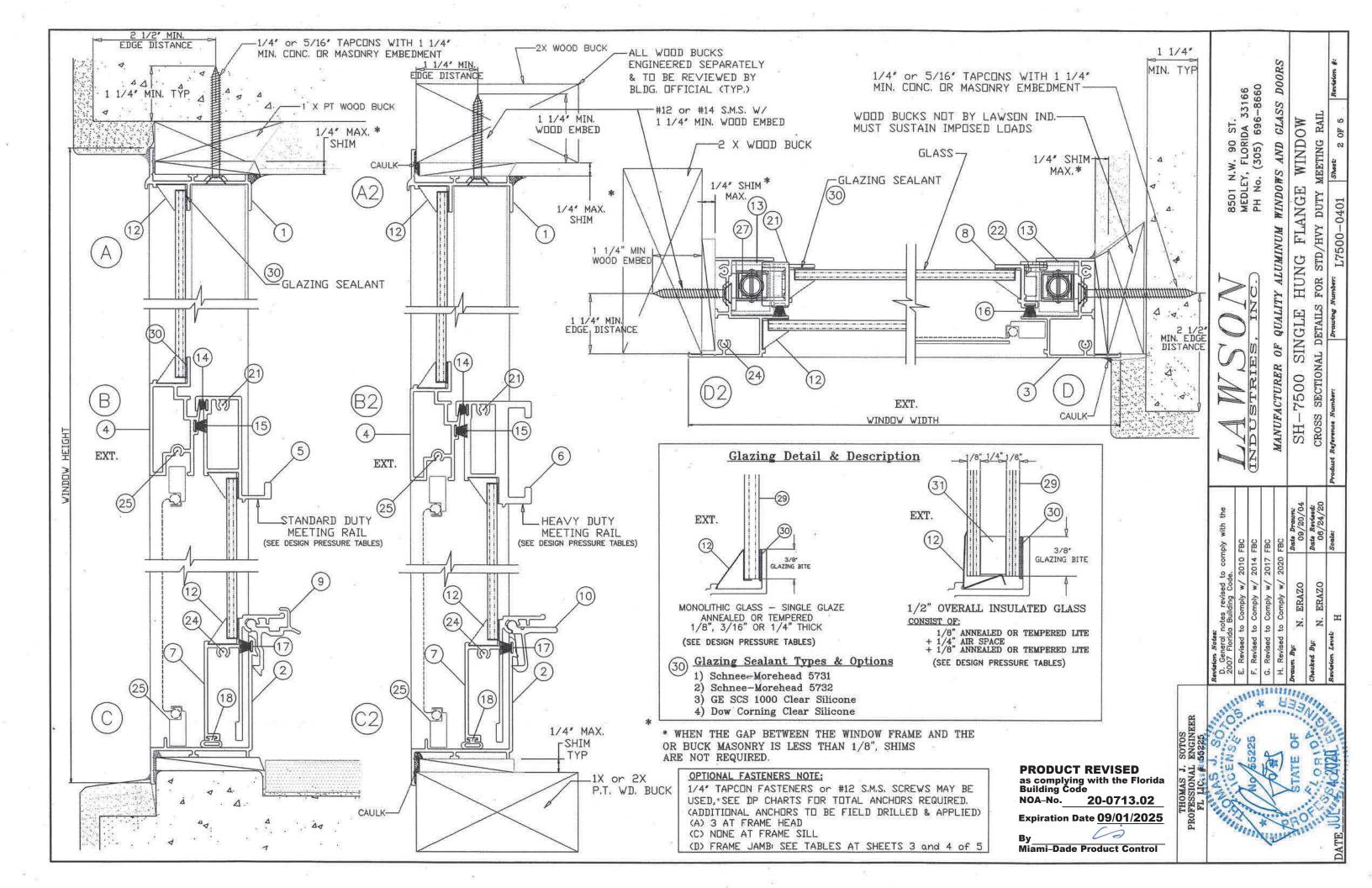
A MIAMI-DADE COUNTY APPROVED MULLION IN BETWEEN ARE ACCEPTABLE BUT THE LOWER DESIGN PRESSURE

9.) MULLING SINGLE HUNG WINDOWS WITH OTHER TYPES OF MIAMI-DADE COUNTY APPROVED WINDOWS USING

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0713.02

Expiration Date 09/01/2025

Miami-Dade Product Control



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SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4	(in) 19.125 5 19.125 5 19.125 1 19.125 1 19.125 1 19.125 5 19.125 5 26.5 5 26.5 5 26.5 5 26.5 7 26.5	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #44 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 5 6 5 6 5 6 5 6 5 5 6 6 5 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 6 5 5 6 6 5 5 6 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 6 5 5 6 6 5 5 6 6 6 5 5 6 6 5 6 6 5 6 6 6 5 6 6 6 6 5 6	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125	(in) 26 26 26 26 26 38,375 38,375 38,375 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 4 2 3 4 6 3 5 6	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 3 5 7 8 4 6 6	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 3 4 2 4 2	14-2 14-3 15-3 15-4 16-4 16-45 16-5 H84-2 H84-3 H85-3 H85-4 H86-45 H86-45 H36-5 24-2 24-3 25-3 25-4 26-4	(in) 19.125	Neight (in) 10.625 50.625 63 63 74.25 74.2	P(+) F psf F	#14-0 #14-0	Opef. To 5/16" Tapoun The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 4 4 5 5 5 5 4 5 6 6 6 7 7 7 6 6 6 8 9 9	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-4 166-45 166-5 24-2 24-3 25-3 25-4 26-45	(in) 19.125 5 19.125 5 19.125 1 19.125 1 19.125 1 19.125 5 19.125 5 26.5 5 26.5 5 26.5 5 26.5 5 26.5 7 37 5 37 5 37 37 37 37 37	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #44 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 6 5 6 5 6 5 6 6 5 6 6 5 6 6 6 6 6 6	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125	(in) 26 26 26 26 26 28 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 50.625 50.625	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 4 2 3 4 6 3 5 6 3	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 3 5 7 8 4 6 8 9 4 4	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 4 2 2 2 4 4 2 2 4 4 4 2 2 4 4 4 4	14-2 14-3 15-3 15-4 16-4 16-45 16-5 HB4-2 HB4-3 HB5-3 HB5-4 HB6-45 HB6-45 HB6-5 24-2 24-3 25-3 25-3 25-4 26-4 26-45	(in) 19.125	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) F psf F psf F P P P P P P P P P P P P P P P P P P	#14-0 #14-0	Opef. To 5/16" Tapoun The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 4 4 5 5 5 6 6 6 7 7 7 6 6 6 8 9 9 9 9	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 186-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5	(in) 19.125 19.125 19.125 19.125 19.125 19.125 19.125 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #44 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 6 5 6 5 6 6 5 6 6 6 6 6 6 6 6 6 6 6	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.126 26.5 37 53.126 19.125 26.5 37 53.126 19.125 26.5 37 53.126 19.125 26.5 37 53.126 19.125 26.5 37	(in) 26 26 26 26 26 38,375 38,375 38,375 50,625 50,625 50,625 58 58 58 58 63 63	P(+) psf 70.0	P(-) psf 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 4 2 3 4 6 3 5 6 3 3	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 3 5 7 8 4 6 8 9 4 6 6	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 2	14-2 14-3 15-3 15-4 16-4 16-45 16-5 HB4-2 HB4-3 HB5-3 HB5-4 HB6-4 HB6-45 HB6-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5	(in) 19.125	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) F psf F F F F F F F F F F F F F F F F F F F	#14-0 #14-0	Opef. To 5/16" Tapoun The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	Jambo	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRODUCT REVISED	Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-45	(in) 19.125 19.125 19.125 19.125 19.125 19.125 19.125 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #44 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 6 5 6 5 6 6 7 7 7 4 5 6 6 6 7 7 7 4 5 6 6 6 7 7 7 4 5 6 6 6 7 7 7 7 4 5 6 6 6 7 7 7 7 4 5 6 6 6 7 7 7 7 4 5 6 6 6 7 7 7 7 4 5 6 6 6 6 7 7 7 7 4 5 6 6 6 6 7 7 7 7 4 5 6 6 6 6 6 7 7 7 7 4 5 6 6 6 6 6 7 7 7 7 4 6 6 6 6 6 6 6 6 6 7 7 7 7	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.126 19.125 26.5 37 53.126 19.125 26.5 37 53.125 19.125 26.5 37 53.125 37 53.125 37 53.125 37 53.125 37	(in) 26 26 26 26 26 28 38:375 38:375 38:375 50:625 50:625 50:625 50:625 50:625 50:625 60:63 60:63	P(+) psf 70.0	P(-) psf 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 2 4 2 3 4 6 3 5 6 3 5 5	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 7 3 5 7 8 4 6 8 9 4 6 6 8 8	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 4 2 4	14-2 14-3 15-3 15-4 16-4 16-45 16-5 16-5 184-2 185-3 185-4 186-4 186-45 186-4 186-45 24-2 24-3 25-3 25-3 25-4 26-4 26-45 26-5	(in) 19.125	Neight (in) 50.625 50.625 63 63 74.25 74.2	P(+) F psf F psf F P p	#14-0 #14-0	Opef. To 5/16" Tapoun The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	Jambo	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRODUCT REVISED as complying with the Florida Building Code	Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3 35-3	(in) 19.125 19.125 19.125 19.125 19.125 19.125 19.125 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 86.7 100.0 78.0 84.9 88.9 100.0 90.6 73.3 83.6 64.4 71.7 75.3 59.0 62.4 55.3	to 100psf. #H4 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 6 6 5 6 5 6 6 4 4 4	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.126 26.5 37 53.125 19.126 26.5 37 53.125 19.126 26.5 37 53.126	(in) 26 26 26 26 26 28 38,375 38,375 38,375 50,625 50,625 50,625 58 58 58 63 63 63	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 2 4 2 3 4 6 3 3 5 6 3 5 6	100psf. 6"Tapcorps Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 7 3 5 7 8 4 6 6 8 9 4 6 6 8 9 9	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 4 4 4 4	SIZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 185-3 185-4 186-4 186-45 196-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3	(in) 19.125	Neight (in) 50.625 50.6	P(+) F psf F psf F Property F Pro	#14-0 #14-0	Opef. To 5/16" Tapoon The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	Jambo	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0713.02	ICENSISTER Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-3 185-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3 35-3 35-4	(in) 19.125 19.125 19.125 19.125 19.125 19.125 19.125 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #14 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 5 6 6 5 5 6 6 6 4 4 5 5 5	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37	(ini) 26 26 26 26 26 28 38,375 38,375 38,375 50,625 50,625 50,625 58 58 58 63 63 63 63 74,25	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 2 4 2 3 4 6 3 5 6 3 5 5	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 7 3 5 7 8 4 6 8 9 4 6 6 8 8	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 4 4 2 2 2 4 4 2 2 2 4 4 2 2 2 4 4 2 2 4 4 2 2	SIZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3 35-3 35-4	(in) 19.125 19.125	Neight (in) 50.625 50.6	P(+) F psf p	#144 control of 100	Opef. To 5/16" Tapoon The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	Jambo Anchors	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0713.02 Expiration Date 09/01/2025	ICENSISTER Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-3 185-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3 35-3 35-4 36-4	(in) 19.125 19.125 19.125 19.125 19.125 19.125 19.125 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #14 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 5 6 6 5 5 6 6 6 7 7 7 7 4 5 5 6 6 6 5 5 6 6 7 5 6 6 5 5 6 6 5 5 6 6 5 5 6 5 6	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37	(ini) 26 26 26 26 26 26 38,375 38,375 38,375 50,625 50,625 50,625 58 58 63 63 63 63 74,25 74,25	P(+) psf 70.0	P(-) psf 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 4 2 3 4 6 3 5 6 3 4 4 6 3 4 6 6 3 4 6 3 4 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 3 5 7 8 4 6 8 9 4 6 6 8 9 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 4 4 2 2 2 2	SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3 35-3 35-4	(in) 19.125 19.125	Neight (in) 50.625 50.6	P(+) F psf	#144 control of 100	Opef. To 5/16" Tapoon The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 3 3 4 4 5 5 5 6 6 7 7 7 6 6 8 9 9 9 9 9 8 8 8 9 9 9	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	as complying with the Florida Building Code NOA-No. 20-0713.02 Expiration Date 09/01/2025	ICENSISTER Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC
SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 36-5 34-2 34-3 35-3 35-3 35-4 36-4 36-45	(in) 19.125 19.125 19.125 19.125 19.125 19.125 19.125 26.5 26.5 26.5 26.5 26.5 26.5 26.5 26	Height (in) (in) (in) (in) (in) (in) (in) (in)	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf A 100.0 1	to 100psf. #14 or 5/16" Tapox Jamb	S Jambo ors Anchor 5 6 6 7 7 7 7 4 5 5 6 6 5 6 6 5 6 6 4 4 4 5 5 5 5 6 6 6 5 5 6 6 5 6 6 5 5 6 6 5 6 6 5 5 6 6 5 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 5 5 6 6 6 6 6 5 5 6	H&S Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	(in) 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37 53.125 19.125 26.5 37	(ini) 26 26 26 26 26 28 38,375 38,375 38,375 50,625 50,625 50,625 58 58 58 63 63 63 63 74,25	P(+) psf 70.0 70.0 70.0 70.0 70.0 70.0 70.0 70.	P(-) psf 100.0	re Limited to #14 or 5/16 Jamb Anchors 2 2 2 2 2 2 4 2 3 4 6 3 3 5 6 3 5 6	100psf. 6"Tapcons Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jamb Anchors 2 2 4 5 3 4 5 7 7 3 5 7 8 4 6 6 8 9 4 6 6 8 9 9	Head Anchors 2 2 2 3 2 2 4 2 2 3 4 2 2 3 4 2 2 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 3 4 2 2 2 4 4 2 2 2 4 4 2 2 2 4 4 2 2 2 4 4 2 2 4 4 2 2	SZE 14-2 14-3 15-3 15-4 16-4 16-45 16-5 184-2 184-3 185-3 185-4 186-4 186-45 186-5 24-2 24-3 25-3 25-4 26-4 26-45 26-5 34-2 34-3 35-3 35-4 36-4 36-45	(in) 19.125 19.125	Neight (in) 50.625 50.6	P(+) F psf	#144 control of 100	Opef. To 5/16" Tapoon The Head Ancho 2 2 2 2 2 2 2 2 2 2 2 2 2	Jambo Anchors	Head Anchors 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRODUCT REVISED as complying with the Florida Building Code NOA-No. 20-0713.02 Expiration Date 09/01/2025 By Miami-Dade Product Control	Revision Notes: D. General notes revised to comply with 2007 Florida Building Code. E. Revised to Comply w/ 2010 FBC F. Revised to Comply w/ 2014 FBC

MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS
SH-7500 SINGLE HUNG FLANGE WINDOW
GLASS LOAD CHARTS & MONOLITHIC GLAZING DETAIL

Toduct Reference Number: L7500-0401 Short: 3 OF 5 INDUSTRIES, INC.

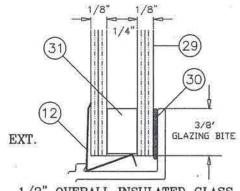
E. Revised to Comply w/ 2010 FBC
F. Revised to Comply w/ 2014 FBC
G. Revised to Comply w/ 2017 FBC
H. Revised to Comply w/ 2020 FBC
Draum By:
N. ERAZO
Og/20/04
Chacked By:
N. ERAZO
Og/22/04
Revised Levet:
H. Scale:

DATE

Flange Frame w/ Standard Meeting Rail Test # FTL 5283 A-5 - 1/8" Tempered

Negative Pressure Limited to 100psf.

				6" Tapcons	#12 or 1/4	" Tapcons	
Width (in)	Height (in)	P(+) psf	P(-) psf	Jamb Anchors	Head Anchors	Jamb Anchors	Head Anchors
19.125	26	70.0	100.0	2	2	2	2
26.5	26	70.0	100.0	2	2	2	2
37	26	70.0	100.0	2	2	4	2
53.125	26	70.0	100.0	2	2	5	3
19.125	38.375	70.0	100.0	2	2	3	2
26.5	38.375	70.0	100.0	2	2	4	2
37	38.375	70.0	100.0	2	2	5	2
53.125	38.375	70.0	88.6	3	2	6	3
19.125	50.625	70.0	100.0	2	2	3	2
26.5	50.625	70.0	100.0	3	2	5	2
37	50.625	70.0	100.0	3	2	7	3
53.125	50.625	70.0	723	3	2	7	3
19.125	58	70.0	100.0	3	2	4	2
26.5	58	70.0	100.0	3	2	6	2
37	58	70.0	100.0	4	2	8	3
53.125	58	66.1	66.1	3	2	7	3
19.125	- 63	70.0	100.0	3	2	4	2
26.5	63	70.0	100.0	3	2	6	2
37	63	70.0	100.0	4	2	9	3
53.125	63	62.9	62.9	3	2	5	3
19.125	74.25	70.0	100.0	3	2	5	2
26.5	74.25	70.0	100.0	4	2	7	2
37	74.25	70.0	100.0	5	2	10	3
53.125	74.25	57.7	57.7	4	. 2	9	3



Notes

 (\mathbf{E})

1. BOTH EXTRUDED ALUMINUM AND PLASTIC LIFT HANDLE LOCKS

ARE QUALIFIED FOR USE ON ALL WINDOWS.

1/2" OVERALL INSULATED GLASS

CONSIST OF:

1/8" ANNEALED OR TEMPERED LITE + 1/4" AIR SPACE + 1/8" ANNEALED OR TEMPERED LITE (SEE CORRESPONDING DESIGN PRESSURE CHARTS)

GLAZING DETAIL & DESCRIPTION

Flange Frame w/ Heavy Duty Rail

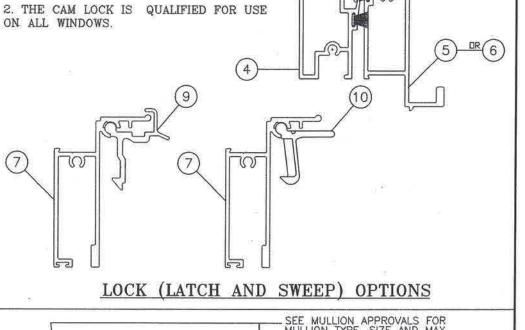
Test #FTL 4351 - 1/2" Overall Insulated w/ 1/8" Tempered

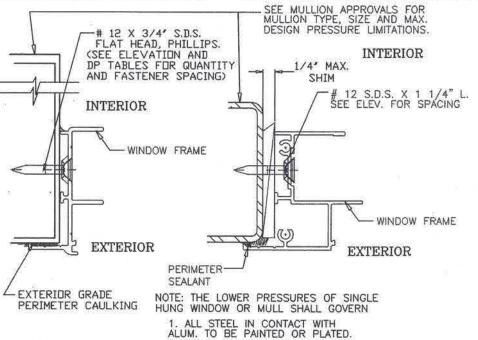
Negative Pressure Limited to 100psf.

Flange Frame w/ Standard Meeting Rail Test # FTL 5283 A-3 - 1/2" Overall Insulated w/ 1/8" Annealed

Negative Pressure Limited to 100psf.

Width (in)	Height (in)			#14 or 5/16" Tapcons		#12 or 1/4" Tapcons						#14 or 5/16" Tapcons		#12 or 1/4	" Tapcons
		P(+) psf	P(-) psf	Jamb Anchors	Head Anchors	Jamb Anchors	Head Anchors	Width (in)	Height (in)	P(+) psf	P(-) psf	Jamb Anchors	Head Anchors	Jamb Anchors	Head Anchors
19.125	26	70.0	100.0	2	2	4	2	19.125	26	70.0	100.0	2	2	2	2
26.5	26	70.0	100.0	3	2	5	2	26.5	26	70.0	100.0	2	2	2	2
37	26	70.0	100.0	4	2	6	3	37	26	70.0	100.0	2	2	4	2
53.125	26	70.0	100.0	3	2	6	3	53.125	26	70.0	100.0	3	2	4	4
19.125	38.375	70.0	100.0	3	2	6	2	19.125	38.375	70.0	100.0	2	2	3	2
26.5	38.375	70.0	100.0	5	2	8	3	26.5	38.375	70.0	100.0	2	2	4	.2
37	38.375	70.0	100.0	4	2	7	3	37	38.375	70.0	100.0	3	2	5	2
53,125	38,375	70.0	80.7	4	2	6	3	53.125	38.375	70.0	100.0	4	2	7	4
19.125	50.625	70.0	100.0	4	2	7	2	19.125	50.625	70.0	100.0	2	2	3	2
26.5	50.625	70.0	100.0	5	2	8	3	26.5	50.625	70.0	100.0	3	2	5	2
37	50.625	70.0	100.0	5	2	8	3	37	50.625	70.0	100.0	4	2	7	3
53.125	50.625	65.8	65.8	4	2	7	3	53.125	50.625	70.0	100.0	5	2	8	74
19.125	58	70.0	100.0	4	2	8	2	19.125	58	70.0	100.0	3	2	4	2
26.5	58	70.0	100.0	5	2	8	2	26.5	58	70.0	100.0	3	2	6	2
37	58	70.0	100.0	5	2	8	3	37	58	70.0	100.0	- 5	2	- 8	. 3
53.125	58	60,1	60.1	4	2	7	3	53.125	58	70.0	91.6	5	2	9	4
19.125	63	70.0	100.0	4	2	7	2	19.125	63	70.0	100.0	3	2	4	2
26.5	63	70.0	100.0	5	2	8	2	26.5	63	70.0	100.0	3	2	6	2
37	63	70.0	100.0	5	2	9	3	37	63	70.0	100.0	5	2	8	4
53.125	63	57.2	57.2	4	2	7	3	53.125	63	70.0	87.2	5	2	9	4
19.125	74.25	70.0	100.0	4	2	7	2	19.125	74.25	70.0	100.0	3	2	5	2
26.5	74.25	70.0	100.0	5	2	8	2	26.5	74.25	70.0	100.0	4	2	7	2
37	74.25	70.0	96.9	6	2	10	3	37	74.25	70.0	100.0	6	2	10	3
53.125	74.25	52.5	52.5	5	2	8	3	53.125	74.25	70.0	80.0	6	2	10	4





2. METAL STRUCTURES: (STEEL OR ALUM. 1/8" MIN. THICK)

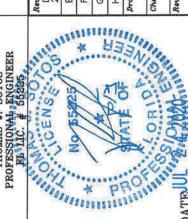
A) STEEL: Fy = 36 KSI MIN. B) ALUMINUM: 6063-T5 MIN.

MULLION & METAL STRUCTURE ATTACHMENT DETAIL

PRODUCT REVISED as complying with the Florida Building Code 20-0713.02 NOA-No.

Expiration Date 09/01/2025

Miami-Dade Product Control



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

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