

#### DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION NOTICE OF ACCEPTANCE (NOA)

#### 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 "HS-8500 (Flange-Frame)" Aluminum Horizontal Sliding Window – N.I.

**APPROVAL DOCUMENT:** Drawing No. **L8500-0401**, titled "HS-8500 Horizontal Rolling Flange Window", sheets 1 through 9 of 9, dated 05/02/05, with revision **E**, dated 07/31/20, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control 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 **renews NOA# 17-1221.16** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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





NOA No. 20-0813.04 Expiration Date: January 26, 2026 Approval Date: October 15, 2020 Page 1

# **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (*Submitted under NOA No. 09-0720.07*)
- 2. Drawing No. L8500-0401, titled "HS-8500 Horizontal Rolling Flange Window", sheets 1 through 9 of 9, dated 05/02/05, with revision E dated 07/31/2020, prepared by manufacturer, and signed and sealed by Thomas J. Sotos, P.E.

# **B. TESTS**

- Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of aluminum horizontal sliding windows, prepared by Hurricane Engineering & Testing Laboratory, Inc., Test Reports No. HETI-08-2158 and HETI-08-2160, dated 09/03/08, both signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 09-0720.07)
- 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 horizontal

sliding wind marked-up drawings and instantation dragram of addiminum nonzontal sliding windows, prepared by Hurricane Engineering & Testing Laboratory, Inc., Test Report No. **HETI-08-2159**, dated 09/03/08, signed and sealed by Candido F. Font, P.E. (Submitted under NOA No. 09-0720.07)

- **3.** Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94

along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4413**, dated 06/23/05, **FTL-4429**, **FTL-4541**, dated 06/24/05, all signed and sealed by Edmundo J. Largaespada, P.E. (Submitted under NOA No. 05-0919.05)

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Water Resistance Test, per FBC, TAS 202–94

along with marked-up drawings and installation diagram of aluminum horizontal sliding windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4533**, dated 06/22/05, signed and sealed by Edmundo J. Largaespada, P.E.

(Submitted under previous NOA No. 05-0919.05)

 Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94 along with marked-up drawings and installation diagram of aluminum horizontal sliding windows, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-4547, dated 06/23/05, FTL-4457, FTL-4578, FTL-4588, FTL-4594 dated 06/24/05 and all signed and sealed by Edmundo J. Largaespada, P.E. (Submitted under NOA No. 05-0919.05)

Sifang Zhao, P.E. Product Control Examiner NOA No. 20-0813.04 Expiration Date: January 26, 2026 Approval Date: October 15, 2020

# **NOTICE OF ACCEPTANCE:** EVIDENCE SUBMITTED

# C. CALCULATIONS

- Anchor verification calculations and structural analysis, complying with FBC, prepared by Lawson Industries, Inc., dated 08/17/05 and 07/16-17/09, both signed and sealed by Thomas J. Sotos, P.E. (Submitted under NOA No. 10-1025.04)
- 2. Glazing complies with **ASTM E1300-04/09**

# D. QUALITY ASSURANCE

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

# E. MATERIAL CERTIFICATIONS

1. None.

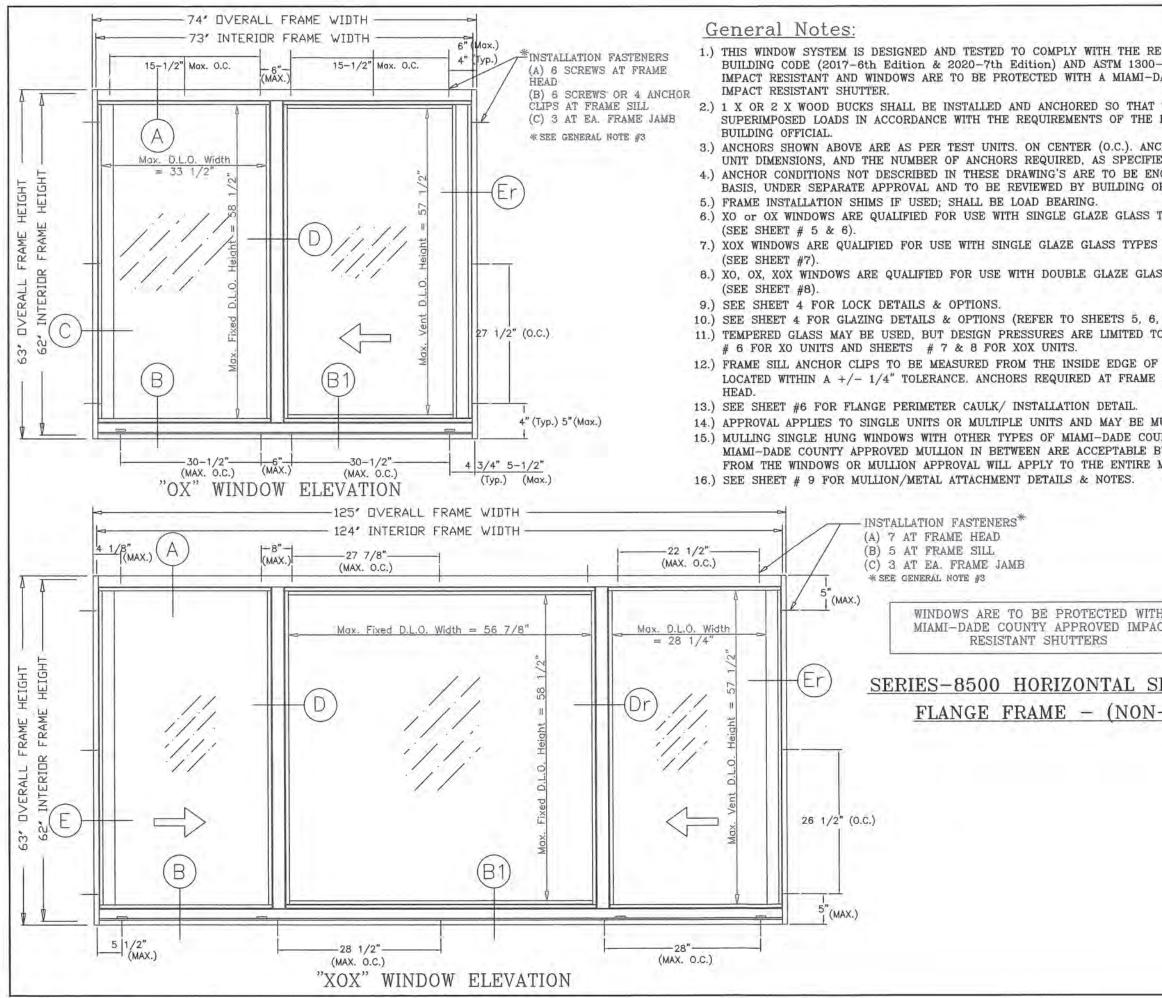
# F. STATEMENTS

- 1. Statement letter of conformance, complying with **FBC 6<sup>th</sup> Edition (2017)**, dated November 17, 2017, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 2. Statement letter of no financial interest, dated August 15, 2005, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.
- 3. Laboratory compliance letter for Test Reports No. **HETI-08-2158**, **HETI-08-2159**, and **HETI-08-2160**, dated 09/03/08, all issued by Hurricane Engineering & Testing Laboratory, Inc., signed and sealed by Candido F. Font, P.E. (*Submitted under NOA No. 09-0720.07*)
- Laboratory compliance letter for Test Reports No. , FTL-4533, FTL-4553 dated 06/22/05, FTL-4413, FTL-4456, FTL-4547, dated 06/23/05, FTL-4429, FTL-4457, FTL-4541, FTL-4578, FTL-4594 dated 06/24/05, all issued by Fenestration Testing Laboratory, Inc., signed and sealed by Edmundo J. Largaespada, P.E. (Submitted under NOA No. 05-0919.04)
- 5. Statement letter of conformance, complying with **FBC** 7<sup>th</sup> **Edition** (2020), dated August 03, 2020, issued by manufacturer, signed and sealed by Thomas J. Sotos, P.E.

# G. OTHER

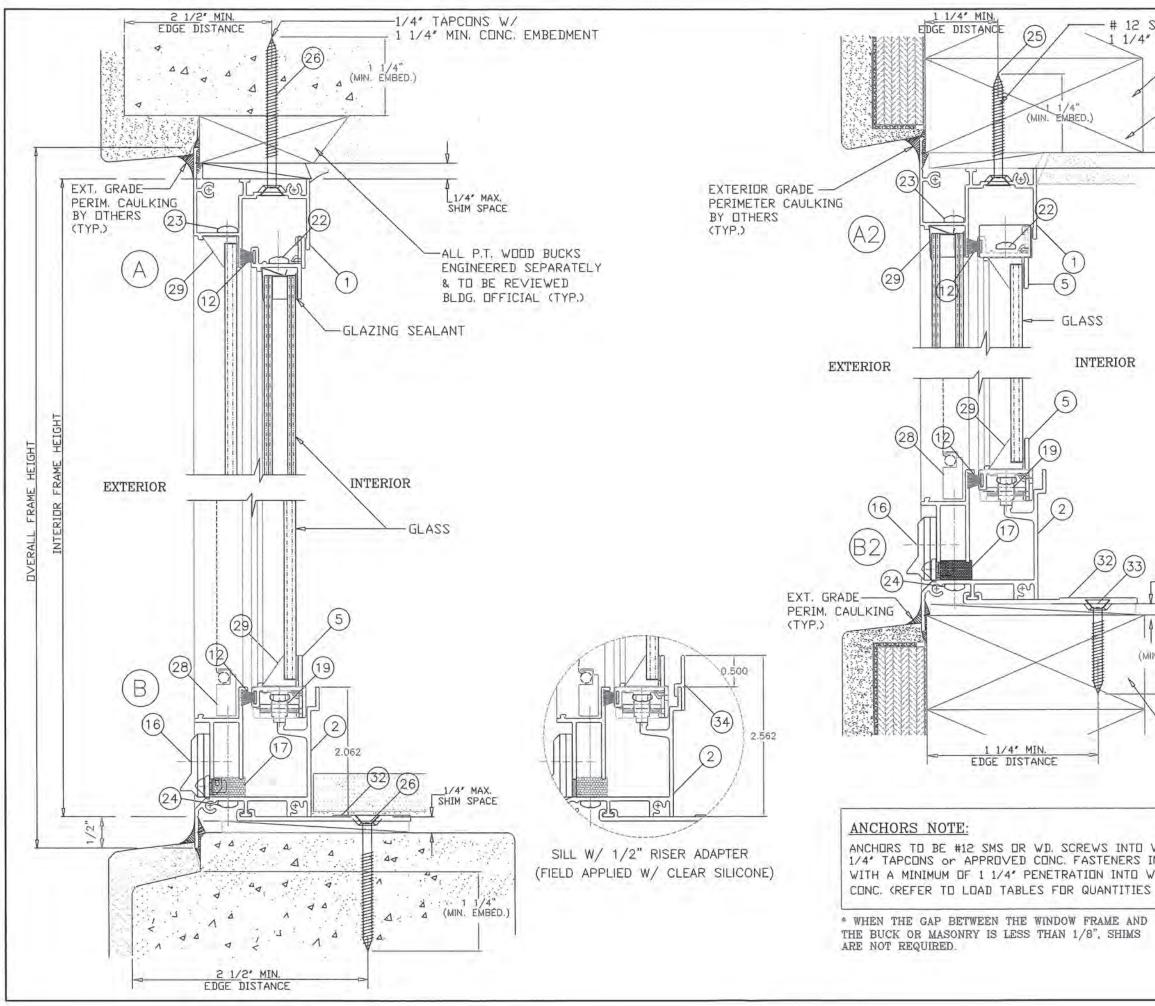
1. Notice of Acceptance No. 17-1212.16, issued to Lawson Industries, Inc. for their Series "HS-8500 (Flange-Frame)" Aluminum Horizontal Sliding Window – N.I., approved on 02/01/18 and expiring on 01/26/21.

Sifang Zhao, P.E. Product Control Examiner NOA No. 20-0813.04 Expiration Date: January 26, 2026 Approval Date: October 15, 2020

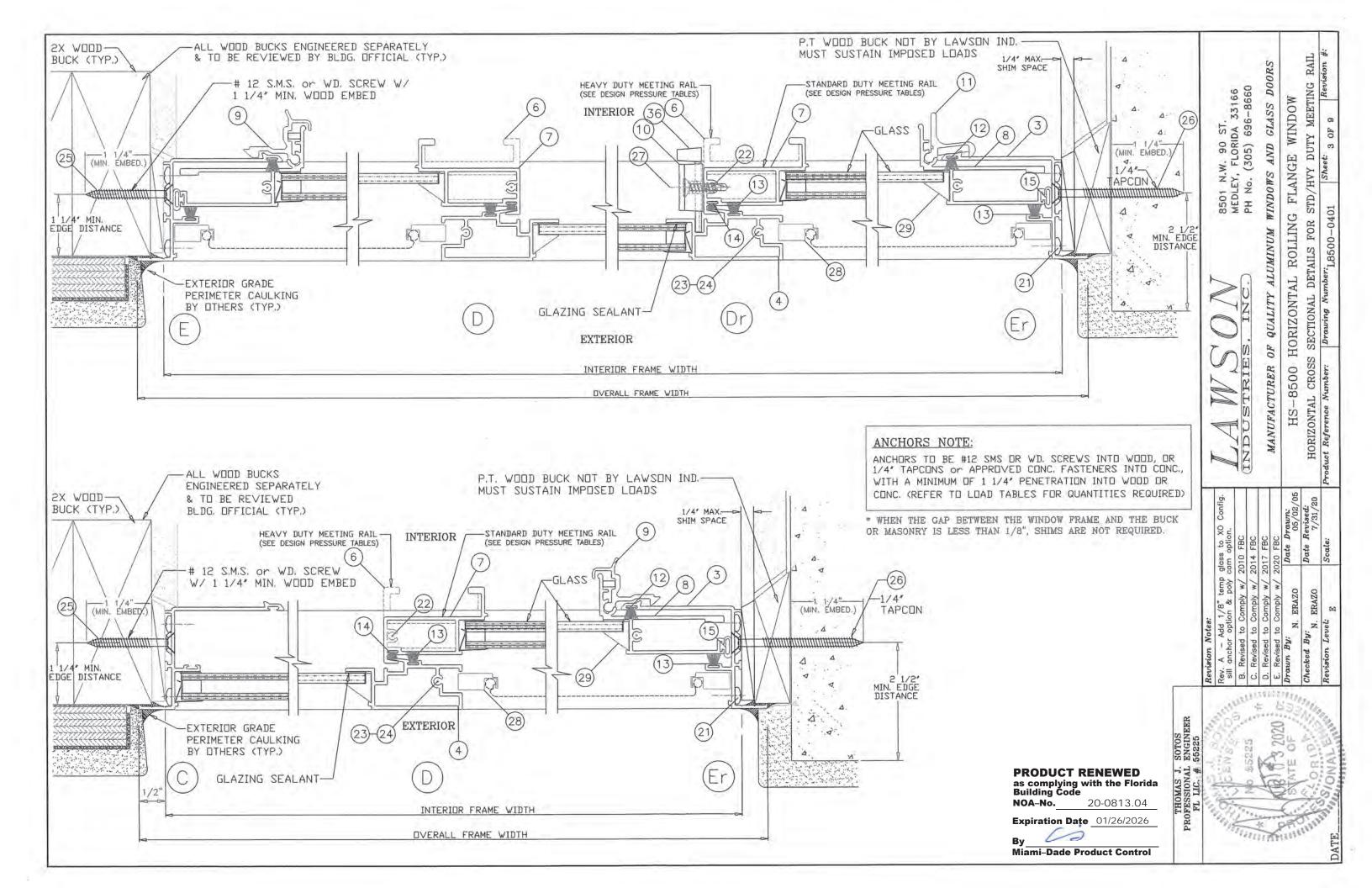


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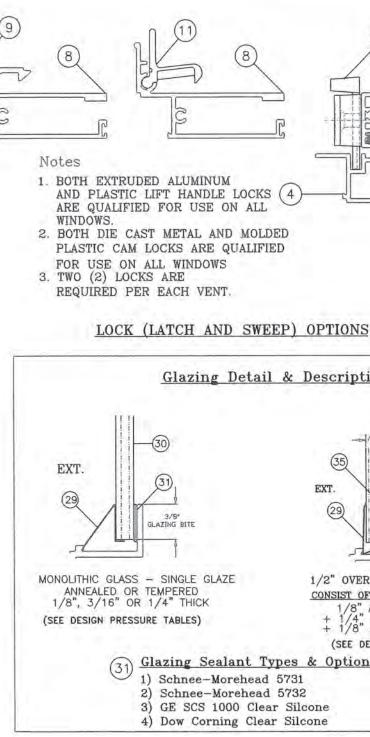
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TYPES TABULATED HEREIN S TABULATED HEREIN			8501	MEUL	H	TTAL WTATT	TATH MID	LING FL		0-0401
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F THE WINDOW FRAME AND TO B E SILL TO BE THE SAME AS FRAM		0						HORIZC	ELEVATION	
MULLED VERTICALLY OR HORIZON UNTY APPROVED WINDOWS USING BUT THE LOWER DESIGN PRESSU MULLED SYSTEM.	A		N. A. W.	TATATSTOTE	TATTOOTAT	a di inter a di internetta a di anternetta a di	MAINUFACTURER UF	HS-8500	APPROVED	Product Reference Number:
TH ACT			glass to XO Config. cam option.	2010 FBC	2014 FBC	2017 FBC	2020 FBC	Date Drawn: 05/02/05	Date Revised: 7/31/20	Scale:
<u>SLIDING WINDOW</u> N-IMPACT)		Revision Notes:	Rev. A - Add 1/8" temp g sill anchor option & poly co	B. Revised to Comply w/ 20	C. Revised to Comply w/ 20	D. Revised to Camply w/ 20	E. Revised to Comply w/ 20	Drawn By: N. ERAZO	Checked By: N. ERAZO	Revision Level: E
PRODUCT RENEWED as complying with the Florida Building Code NOA-No. 20-0813.04	THOMAS J. SOTOS FESSIONAL ENGINEER FL LLC. # 55225	25 4 Soll.	GENS OF	MA KKOPK	11 4 4 VOVO 0 0	= = n7n7 ~ h	1200 1811	STATE OF JOUR	S ARIO LOS	VONAL ENT
Expiration Date 01/26/2026 By Miami-Dade Product Control	THOMAS J. PROFESSIONAL FL LIC. #	C. CAN	OL IS	S Han	1.641	VINA EL E	304	1.0	- Contraction	DATE



& TD BE REVIEWED BLDG. OFFICIAL (TYP.) 2X WOOD BUCK (TYP.)         BUCK (TYP.)         Image: Ship space         Image: Space <tr< th=""><th>Revision Notes:</th><th>Rev. A - Add 1/8" temp glass to XO Config.</th><th>B. Revised to Comply w/ 2010 FBC</th><th>NTT ()</th><th>Summer of the second second</th><th>E. Revised to Comply w/ 2020 FBC MANUFACTURER OF QUALITY ALUMINUM MINDURS AND GLASS DUUKS</th><th>TATE OF DE DE N. ERAZO Date Drawn; OS/02/05 HS-8500 HORIZONTAL ROLLING FLANGE WINDOW</th><th>A WOUNIM</th><th>Revision Level: Scale: Product Reference Number: Drawing Number: 701 101 Sheet: 707 Revision</th></tr<>	Revision Notes:	Rev. A - Add 1/8" temp glass to XO Config.	B. Revised to Comply w/ 2010 FBC	NTT ()	Summer of the second second	E. Revised to Comply w/ 2020 FBC MANUFACTURER OF QUALITY ALUMINUM MINDURS AND GLASS DUUKS	TATE OF DE DE N. ERAZO Date Drawn; OS/02/05 HS-8500 HORIZONTAL ROLLING FLANGE WINDOW	A WOUNIM	Revision Level: Scale: Product Reference Number: Drawing Number: 701 101 Sheet: 707 Revision
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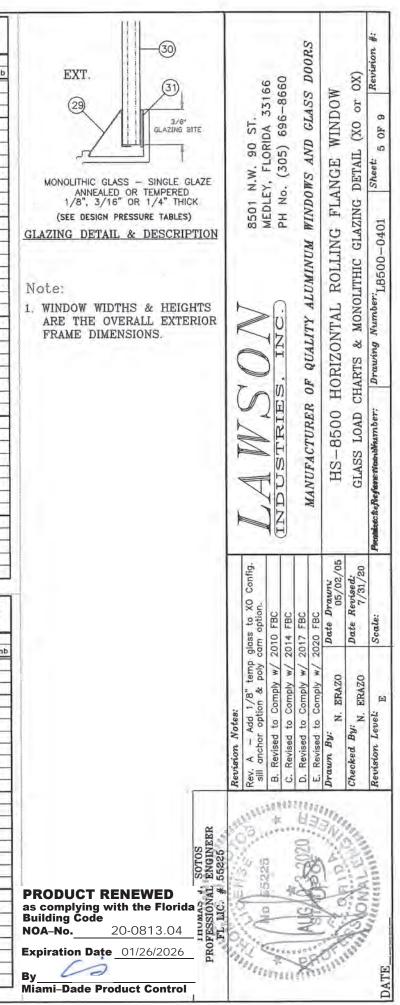


	HS8	500 FLAN	GE WINDO	OW – BILL OF MATERIA	LS
ITEM #	PART #	DRWG. #	REQD.	DESCRIPTION	REMARKS
1	L-7503	LII-127	1	FRAME HEAD	6063-T6 ALUMINUM
2	L-8501	LII-135	1	FRAME SILL	6063-T5 ALUMINUM
3	L-8502	LII-131	2	FRAME JAMB	6063-T6 ALUMINUM
4	L-7504	LII-129	2 x frame	FIXED MEETING RAIL	6005-T6 ALUMINUM
5	L-7508	LII-124	2 x vent	VENT TOP / BOTTOM RAIL	6063-T5 ALUMINUM
6	L-7506	LII-126	1 x vent	VENT INTERLOCK RAIL-H.D.	6005-T6 ALUMINUM
7	L-7505	LII-125	1 x vent	VENT INTERLOCK STD. DUTY	6005-T5 ALUMINUM
8	L-7507	LII-136	1 x vent	VENT LATCH JAMB	6005-T6 ALUMINUM
9	*	LII-012	2 x vent	VENT EXTRUDED LOCK	6063-T5 ALUMINUM
10	*	*	*	VENT CAM LOCK	DIE-CAST CAM LUCK
11	*	*	2 x vent	VENT PLASTIC LOCK	SPRING LOADED
12	*	SCHLEGEL	AS REQD.	Top/Bott. Rail Weatherstrip	.187" X .280" FIN SEAL
13	*	ULTRAFAB	AS REQD.	FXD. RAIL WEATHERSTRIP	.187' X 250' FIN SEAL
14	*	ULTRAFAB	AS REQD.	VENT LOCK WEATHERSTRIP	.187' X 150' PILE
15	*	*	AS REQ'D.	VENT JAMB WEATHERSTRIP	3/8' DIA. BULB
16	*	*	2	WEEP HOLE COVER W/ FLAP	1 1/2" wide x 1/4" hi weep
17	*	*	2	SILL DPEN CELL FOAM PAD	1/2*x3/8*x 1 3/4* LONG
18	*	*	2	SILL/JAMB JOINT GASKET	1/16' CLOSED CELL FOAM
19	L-763	HC-032	2	VENT ROLLER ASSEMBLY	2 X VENT BOTTOM RAIL
20	L-7524	*	6	VENT FACE GUIDE	3 PER VENT HOR. RAIL
21	*	*	8	FRAME ASSEMBLY SCREWS	# 8 X 5/8" P.H. PHIL.
22	*	*	4 x vent	VENT ASSEMBLY SCREWS	# 8 X 1" P.H. PHILLIPS
23	*	*	1 X RAIL	MTG. RAIL SCREW @ HEAD	# 8 X 1" P.H. PHILLIPS
24	*	*	1 X RAIL	MTG, RAIL SCREW @ SILL	# 8 X 2" P.H. PHILLIPS
25	*	*	SEE CHART	FRAME INSTALL'N SCREW	#12 X 1 1/2" F.HPHIS.M.
26	*	*	SEE CHART	FRAME INSTALL'N SCREW	1/4" X 1 3/4" F.HTAPCON
27	*	*	2 X LOCK	CAM LOCK ATTCH'NT SCREW	#8 X 7/8' F.H. / PHI.
28	*	*	1 x vent	INSECT SCREEN	*
29	L-7515/16	*	AS REQD.	GLAZING BEAD	ROLL FORMED ALUMINUM
30	*	*	AS REQ'D.	GLASS	See Detail @ sheet 4 of
31	*	*	AS REQ'D	GLAZING SILICONE	See Detail @ sheet 4 of
32	L-5108	LII-111	1x anchor	SILL ANCHOR CLIP- 2'Long	6063-T6 ALUMINUM
33	*	*	5	FRAME SILL INST'N SCREW	#12 X 1 3/4" F.H. / PHI.
34	L-8503	LII-132	1	FRAME SILL 1/2" RISER	6063-T6 ALUMINUM
35	*	774-25B-767	AS REQ'D	"TruSeal" Swiggle Seal	Black -1/4' air space
36	HC-058-1		2	VENT SWEEP LATCH	MOLDED NYLON



	$\overline{\mathcal{O}}$		8501 N.W. 90 ST.	MEULET, FLORINA 33160	PH No. (505) 696-8660	THIN WINDWE IND ALICE DODEC	NUM WINDURS AND UNASS DUURS	LING FLANGE WINDOW	DETAILS & LOCK OPTIONS	00-0401 Sheet: 4 OF 9 Revision #:
5 <b>ion</b> 1/8° 1/4° 1/8° (30) (31) 3/8°		4 R () () 4 R A	N N N N N				MANUFACTURER OF QUALITY ALUMINUM MINDURS AND GLASS DUURS	HS-8500 HORIZONTAL ROLLING FLANGE WINDOW	BILL OF MATERIALS, GLAZING DETAILS & LOCK OPTIONS	Product Reference Number: Drawing Number: LB500-0401
GLAZING BITE GLAZING BITE ARALL INSULATED GLASS E: ANNEALED OR TEMPERED LITE ANNEALED OR TEMPERED LITE ANNEALED OR TEMPERED LITE SIGN PRESSURE TABLES) DS		Revision Notes:	Rev. A - Add 1/8" temp glass to XO Config. sill anchor option & poly cam option.	B. Revised to Comply w/ 2010 FBC	C. Revised to Comply w/ 2014 FBC	D. Revised to Comply w/ 2017 FBC	E. Revised to Comply w/ 2020 FBC	Drawn By: N. ERAZO Date Drawn: N. ERAZO 05/02/05	Checked By: ERAZO Date Revised: 7/31/20	Revision Level: E Scale: P
PRODUCT RENEWED         as complying with the Florida         Building Code         NOA-No.       20-0813.04         Expiration Date       01/26/2026         By	THOMAS J. SOTOS PROFESSIONAL ENGINEER FL LLC, # 55225		En Magenserere	2 / 2 Wol 55225 - 2	11 + 1       + 1	=/ =  who/ ass-020 = =	Low And Markey	AD BULLE	ALL	DATE VALUAL DATE

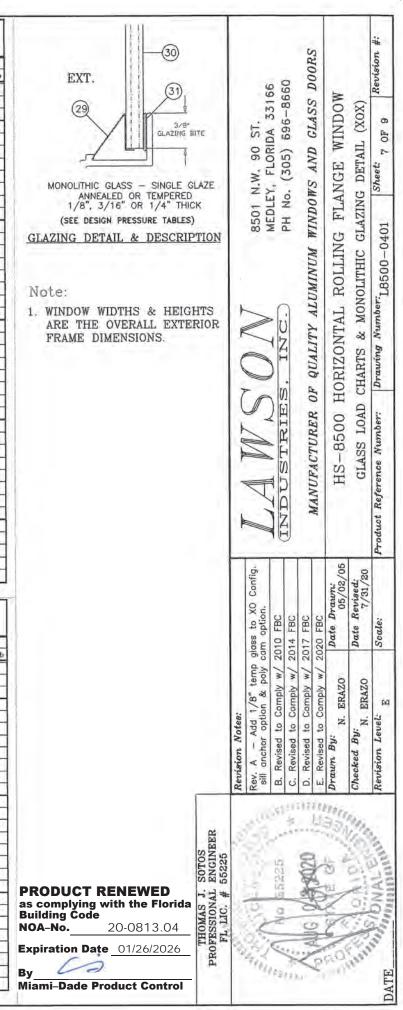
Test#1	8500 Non In FTL 4413 - 1 TEAVY DUT	/4" Anneal	ed Flange	and the second second second second	or OX)	Test #F	500 Non In TL 4413 - 1 HEAVY DU	/4" Anneal	ed Flange	Frame ( XC	Oor OX)	Test #FI	L 4456 - 3	16" Annea	zontal Slidi led Flange 3 RAIL & S	Frame (X	OorOX)	Test #FI	L 4456 - 3	16" Annea	zontal Slidi led Flange NG RAIL &	Frame (X	O or OX)
Width	Height	DP(+)	DP(-)	Anch		Width	Height	DP(+)	DP(-)		hors	Width	Height	DP(+)	DP(-)	Contractor Decas	hors	Width	Height	DP(+)	DP(-)	The second second second	hors
(in)	(in)	psf	psf	Head & Sill	Each Jamb	(in)	(in)	psf	psf	Head & Sill	Each Jamb	(in)	(in)	psf	psf	Head & Sill	Each Jamb	(în)	(in)	psf	psf	Head & Sill	Each Jam
26.5	26	60.0	100.0	2	2	26.5	26	73.3	100.0	2	2	26.5	26	60.0	100.0	2	2	26.5	26	73.3	100.0	2	2
37	26	60.0	100.0	2	2	37	26	73.3	100.0	2	2	37	26	60.0	100.0	2	2	37	26	73.3	100.0	2	2
53.125 74	26 26	60.0 60.0	100.0	3	2	53.125 74	26 26	73.3 73.3	100.0	3	2	53.125	26 26	60.0 60.0	100.0	3	2	53.125	26 26	73.3 73.3	100.0	3	2
26.5	38.375	60.0	100.0	2	2	26.5	38.375	73.3	100.0	2	2	26.5	38.375	60.0	100.0	2	2	26.5	38.375	73.3	100.0	2	2
37	38.375	60.0	100.0	3	2	37	38.375	73.3	100.0	3	2	37	38,375	60.0	100.0	3	2	37	38.375	73.3	100.0	3	2
53.125	38.375	60.0	100.0	4	2	53.125	38,375	73.3	100.0	4	2	53.125	38,375	60.0	100.0	4	2	53.125	38.375	73.3	100.0	4	2
74	38.375	60.0	100.0	6	2	74	38.375	73.3	100.0	6	2	74	38.375	60.0	83.8	5	2	74	38.375	73.3	83.8	5	2
26.5 .37	50.625	60.0 60.0	100.0	2 3	2	26.5	50.625 50.625	73.3 73.3	100.0	2	2	26.5	50.625 50.625	60.0 60.0	100.0	2	2	26.5 37	50.625 50.625	73.3 73.3	100.0	2	2
53,125	50.625	60.0	89.6	4	3	53.125	50.625	73,3	89.6	4	3	53.125	50.625	60.0	77.0	4	2	53.125	50,625	73.3	77.0	4	2
74	50.625	60.0	74.8	5	3	74	50.625	73.3	74.8	5	3	74	50.625	60.0	63.6	5	2	74	50.625	63,6	63.6	5	2
26.5	58	60.0	100.0	3	2	26.5	58	73.3	100.0	3	2	26.5	58	60.0	100.0	3	2	26.5	58	73.3	100.0	3	2
37	58	60.0	98.6	4	3	37	58	73.3	98.6	4	3	37	58	60.0	88.7	3	3	37	58	73.3 67.1	88.7 67.1	3	2
53.125 74	58 58	60.0 60.0	74.9 60.8	4	3	53.125 74	58 58	73.3 60.8	74.9 60.8	4	3	53.125 74	58 58	60.0 53.7	67.1 53.7	4	2	53.125 74	58 58	53.7	53.7	4	2
26.5	63	60.0	100.0	3	2	26.5	63	73.3	100.0	3	2	26.5	63	60.0	100.0	3	2	26.5	63	73.3	100.0	3	2
37	63	60.0	89.4	3	3	37	63	73.3	89.4	3	3	37	63	60.0	80.5	3	2	37	63	73.3	80.5	3	2
53.125	63	60.0	67.3	4	3	53.125	63	67.3	67.3	4	3	53.125	63	60.0	60.6	4	2	53.125	63	60.6	60.6	4	2
74	63	54.0	54.0	5	3	74	63	54.0	54.0	5	3	74	63	48.3	48.3	4	2	74	63	48.3	48.3	4	2
24 36	24	60.0 60.0	100.0	2	2	24	24 24	73.3 73.3	100.0	2	2	24 36	24 24	60.0 60.0	100.0	2	2	24 36	24 24	73.3 73.3	100.0	2	2
48	24	60.0	100.0	3	2	48	24	73.3	100.0	3	2	48	24	60.0	100.0	3	2	48	24	73.3	100.0	3	2
60	24	60.0	100.0	3	2	60	24	73.3	100.0	3	2	60	24	60.0	100.0	3	2	60	24	73.3	100.0	3	2
72	24	60.0	100.0	4	2	72	24	73.3	100.0	4	2	72	24	60.0	100.0	4	2	72	24	73.3	100.0	4	2
24 36	36	60.0 60.0	100.0	2	2	24 36	36 36	73.3 73.3	100.0	2	2	24	36 36	60.0 60.0	100.0	2	2	24 36	36 36	73.3 73.3	100.0	2	2
48	36	60.0	100.0	3	2	48	36	73.3	100.0	3	2	48	36	60.0	100.0	3	2	48	36	73.3	100.0	3	2
60	36	60.0	100.0	4	2	60	36	73.3	100.0	4	2	60	36	60.0	94.8	4	2	60	36	73.3	94.8	4	2
72	36	60.0	100.0	5	2	72	36	73.3	100.0	5	2	72	36	60,0	88,1	5	2	72	36	73.3	88.1	5	2
24	48	60.0	100.0	2	2	24	48	73.3	100.0	2	2	24	48	60,0	100,0	2	2	24	48	73.3	100.0	2	2
36 48	48	60.0 60.0	100.0	3	2	36 48	48 48	73.3 73.3	100.0	3	2	36 48	48 48	60.0 60.0	100.0	3	2	36 48	48 48	73.3 73.3	100.0	3	2
40 60	48	60.0	89.8	5	3	60	48	73.3	89.8	5	3	60	40	60.0	76.0	4	2	60	48	73.3	76.0	4	2
72	48	60.0	82.3	5	3	72	48	73.3	82.3	5	3	72	48	60.0	69.5	5	2	72	48	69.5	69.5	5	2
24	60	60.0	100.0	2	2	24	60	73.3	100.0	2	2	24	60	60.0	100.0	2	2	24	60	73.3	100.0	2	2
36 48	60 60	60 60	96.9 77.2	4	3	36 48	60 60	73.3 73.3	96.9 77.2	4	3	36 48	60 60	60 60	87.2	3	3	36 48	60 60	73.3 69.5	87.2 69.5	3	3
60	60	60	65.9	4	3	60	60	65.9	65.9	4	3	60	60	56.7	56.7	4	2	60	60	56.7	56.7	4	2
72	60	58.8	58.8	5	3	72	60	58.8	58.8	5	3	72	60	51.6	51.6	4	2	72	60	51.6	51.6	4	2
	Press	ure Limited to	o Negative 1	00psf.		( . ·	Press	ure Limited t	o Negative 1	00psf.			Press	ure Limited t	o Negative 1	00psf.		1	Press	ure Limited t	to Negative 1	00psf.	-
Test#F	8500 Non In TL 4553 - 3			ing Window		1	3500 Non Ir		led Flange	Frame (X	(O or OX)				zontal Slidi				3500 Non Ir	monot Llar		lina Windo	
				Frame (XC							LL		TL 4547 - 1							1/8" Annea	led Flange	Frame (X	
Width	STANDARD Height	DP(+)	RAIL & S	Frame (XC ANDARD S Ancl	ALL hors	w Width	/STANDAJ Height	RD MEETIN DP(+)	DP(-)	An	chors	w/s Width	TANDARD Height	DP(+)	DP(-)	ANDARD	SILL	w Width	Height	1/8" Annea RD MEETII DP(+)	NG RAIL & DP(-)	Frame (X HI-RISE SI An	LL chors
Width (in)	STANDARD Height (in)	) MEETING DP(+) psf	RAIL & S DP(-) psf	Frame (XC ANDARD S Ancl Head & Sill	LL hors Each Jamb	w Width (in)	l STANDAJ Height (ìn)	RD MEETIN DP(+) psf	DP(-) psf	An Head & Sill	EachJamb	w/ S Width (in)	TANDARD Height (in)	DP(+) psf	RAIL & ST DP(-) psf	ANDARD And Head & Sill	SILL hors Each Jamb	w Width (in)	/ STANDA Height (in)	1/8'' Annea RD MEETH DP(+) psf	NG RAIL & DP(-) psf	Frame (X HI-RISE SI An Head & Sil	LL chors I Each Jan
Width (in) 26.5	STANDARE Height (in) 26	DP(+) psf 60.0	RAIL & S DP(-) psf 100.0	Frame (XC ANDARD S Ancl Head & Sill 2	LL hors Each Jamb 2	width (in) 26.5	/ STANDAJ Height (in) 26	RD MEETIN DP(+) psf 73.3	DP(-) psf 100.0	And & Sill	Each Jamb	w/ 5 Width (in) 26.5	TANDARD Height (in) 26	DP(+) psf 60.0	RAJL & ST DP(-) psf 100.0	ANDARD And Head & Sill 2	SILL hors Each Jamb 2	w Width (in) 26.5	// STANDA Height (in) 26	1/8" Annea RD MEETH DP(+) psf 73.3	DP(-) psf	Frame (X HI-RISE S An Head & Sil	LL chors I Each Jan 2
Width (in)	STANDARD Height (in)	) MEETING DP(+) psf	RAIL & S DP(-) psf	Frame (XC ANDARD S Ancl Head & Sill	LL hors Each Jamb	w Width (in)	l STANDAJ Height (ìn)	RD MEETIN DP(+) psf 73.3 73.3	DP(-) psf 100.0 100.0	An Head & Sill	EachJamb	w/ S Width (in)	TANDARD Height (in)	DP(+) psf	RAIL & ST DP(-) psf	ANDARD And Head & Sill	SILL hors Each Jamb	w Width (in)	/ STANDA Height (in)	1/8'' Annea RD MEETH DP(+) psf	NG RAIL & DP(-) psf	Frame (X HI-RISE SI An Head & Sil	LL chors I Each Jan
Width (in) 26.5 37 53.125 74	STANDARE Height (in) 26 26 26 26	MEETING DP(+) psf 60.0 60.0 60.0 60.0	RAIL & S DP(-) psf 100.0 100.0 100.0 100.0	Frame (XC ANDARD S Anc Head & Sill 2 2 3 5	ALL hors Each Jamb 2 2 2 2 2	w Width (in) 26.5 37 53.125 74	/ STANDAJ Height (in) 26 26 26 26 26	RD MEETIN DP(+) psf 73.3 73.3 73.3 73.3 73.3	DP(-) psf 100.0 100.0 100.0 100.0	And Head & Sill 2 2 3 5	Each Jamb 2 2 2 2 2	w/ S Width (in) 26.5 37 53.125 74	TANDARE Height (in) 26 26 26 26 26	MEETING DP(+) psf 60.0 60.0 60.0 60.0	RAIL & ST DP(-) psf 100.0 100.0 92.5 67.7	ANDARD And Head & Sill 2 2 3 3 3	SILL Each Jamb 2 2 2 2 2	Width (in) 26.5 37 53.125 74	// STANDA Height (in) 26 26 26 26 26	1/8" Annea RD MEETII DP(+) psf 73.3 73.3 73.3 73.3 67.7	Iled Flange NG RAIL & DP(-) psf 100.0 100.0 92.5 67.7	Frame (X HI-RISE SI Head & Sil 2 2 3 3 3	LL chors 1 Each Jan 2 2 2 2
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Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5	STANDARC Height (in) 26 26 26 26 26 38,375 38,375 38,375 38,375 38,375 50,625	DRETING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.	RAIL & S DP(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 83.8 76.0 95.8	Frame ( XC ANDARD S Anc Head & Sill 2 2 3 5 5 2 3 4 4 5 2	ALL hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	w Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 74 26.5	// STANDAJ Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 38.375 50.625	DP(+) psf 73.3	DP(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 83.8 76.0 95.8	An- Head & Sill 2 2 3 5 2 3 4 4 5 2 2	Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	w/ 5 Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 74 26.5	TANDARD Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 38.375 50.625	DETING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 60.0 51.7 60.0	RAIL & ST DP(-) psf 100.0 92.5 67.7 100.0 76.9 65.2 51.7 79.7	ANDARD And Head & Sill 2 2 3 3 2 2 3 3 2 2 3 3 2 2 3 3 2 2	SILL hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2	Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 74 26.5	//STANDA Height (in) 26 26 26 38.375 38.375 38.375 38.375 38.375 50.625	1/8" Annea RD MEETII DP(+) psf 73.3 73.3 73.3 67.7 73.3 73.3 65.2 51.7 73.3	Ided Flange           NG RAIL &           DP(-)           psf           100.0           102.5           67.7           100.0           76.9           65.2           51.7           79.7	Frame (X HI-RISE SI An Head & Sil 2 2 3 3 2 2 2 3 3 2 2 3 3 3 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 3 3 3 2 2 2 2 2 2 2 2 3	LL chors Each Jan 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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Width (in)           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           24           36           48           60           72           24           36           48           60           72           24	STANDARC Height (in) 26 26 26 26 38,375 38,375 38,375 38,375 50,625 50,625 50,625 50,625 50,625 50,625 24 24 24 24 24 24 24 24 24 24 24 24 24	DMEETING           DP(+)           psf           60.0	RAIL & S           DP(-)           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           95.8           73.0           56.3           47.0           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           97.0           88.7           86.2           100.0	Frame ( XC ANDARD S Anc Head & sill 2 3 5 2 3 4 4 5 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 3 4 2 2 3 3 3 3	ALL           hors           Each Jamb           2	w Width (in) 26.5 37 53.125 74 26.5 37 74 26.5 37 72 24 36 60 72 24 26 5 36 72 24 26 5 24 26 5 24 26 5 24 26 5 24 26 5 24 26 5 24 26 5 24 26 5 24 26 5 24 26 5 22 24 26 5 22 24 26 5 22 24 26 5 22 24 26 5 22 24 224	// STANDAJ Height (in) 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	D MEETII DP(+) psf 73.3	DP(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 83.8 76.0 95.8 73.0 56.3 47.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0	An- Head & sill 2 2 3 5 5 2 3 4 4 5 2 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 5 2 3 3 4 4 5 2 2 3 3 4 4 5 5 2 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	w/ 5 Width (in) 26.5 37 53.125 74 26 5 37 53.125 74 26 5 37 53.125 74 26 5 36 5 36 5 36 5 36 5 4 5 36 5 36 5 36	TANDARE           Height (in)           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           38.375           38.375           50.625           50.625           50.625           50.625           24           24           24           24           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36	DIVECTING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 51.7 60.0 6	RAIL & ST DP(-) psf 100,0 100,0 92.5 67.7 100,0 76.9 65.2 51.7 79.7 60.7 44.6 39.1 100,0 100,0 100,0 100,0 100,0 87.3 72,0 100,0 87.3 72,0 100,0 85,7 56,4 92,2	ANDARD 3 And 48 Sill 2 2 3 3 2 2 2 3 3 2 2 2 3 3 2 2 2 3 3 3 2 2 2 3	SILL thors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2	w           Width           (in)           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           36           48           60           72           24           36           60           72           24	//STANDA/ Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	J/8" Annea           RD MEETII           DP(+)           psf           73.3           73.3           73.3           67.7           73.3           65.2           51.7           73.3           60.7           73.3           65.2           51.7           73.3           60.7           74.6           39.1           73.3           73.	Ided Flange           NG RAIL &           DP(-)           psf           100.0           92.5           67.7           100.0           92.5           67.7           100.0           76.9           65.2           51.7           79.7           44.6           39.1           100.0           100.0           100.0           100.0           100.0           100.0           100.0           72.0           100.0           87.3           72.0           100.0           73.9           65.7           56.4           92.2	Frame (X HI-RISE SI An Head & Sil 2 2 3 3 2 2 2 3 3 2 2 2 3 3 2 2 2 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 2 3 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 3 3 2 2 2 2 3 3 3 3 3 3 2 2 2 2 3 3 3 3 3 3 2 2 2 2 3	LL chors Each Jam 2 2 2 2 2 2 2 2 2 2 2 2 2
Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 24 24 36 48 60 72 24 36 48 60 72 24 36 60 72 24 36	STANDARC Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	DMEETING           DP(+)           psf           60.0	PAIL & S           DP(-)           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           56.3           47.0           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           97.0           88.7           86.2           100.0           79.6	Frame ( XC ANDARD S Ancl Head & sill 2 2 3 5 2 3 4 5 2 3 4 5 2 3 3 4 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 3 4 4 2 2 3 3 3 4 4 2 2 3 3 3 3	ALL           hors           Each Jamb           2	w Width (in) 26.5 37 53.125 74 26.5 37 74 26.5 37 53.125 74 26.5 37 72 24 36 60 72 24 36 60 72 24 36 60 72 24 36 36 36 37 22 72 24 36 36 37 22 36 36 36 37 22 24 36 36 36 36 37 22 24 36 36 36 36 36 22 24 36 36 36 36 36 36 22 24 36 36 36 36 36 36 36 36 36 36 36 36 36	// STANDAJ Height (in) 26 26 26 26 26 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	D MEETII DP(+) psf 73.3	DP(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 83.8 76.0 95.8 73.0 56.3 47.0 100.0 10	An- Head & sill 2 2 3 5 2 3 4 5 2 3 4 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 5 5 2 3 3 4 4 5 5 3 3 4 4 5 5 5 5 5 5 5 5 5 5	Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	w/ 5 Width (in) 26.5 37 53.125 74 26.5 36 53 72 24 36 60 72 24 36 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	TANDARE           Height (in)           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           38.375           38.375           50.625           50.625           50.625           50.625           24           24           24           24           24           24           36	DEETING           DP(+)           psf           60.0	RAIL & ST DP(-) psf 100.0 100.0 92.5 67.7 100.0 76.9 65.2 51.7 79.7 60.7 44.6 39.1 100.0 100.0 100.0 100.0 100.0 87.3 72.0 100.0 84.0 73.9 65.7 56.4 92.2 66.2	ANDARD 3 And Head & Sill 2 2 3 3 2 2 2 3 3 2 2 2 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 3 3 3 2 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 3 3 2 2 2 2 3	SILL thors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2	Width (in)           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           36           48           60           72           24           36           60           72           24           36	//STANDA/ Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	J/8" Annea           RD MEETII           DP(+)           psf           73.3           73.3           73.3           73.3           73.3           73.3           73.3           73.3           65.2           51.7           73.3           60.7           44.6           39.1           73.3           65.7           56.4           73.3           66.	Ided Flange           NG RAIL &           DP(-)           psf           100.0           100.0           92.5           67.7           100.0           76.9           65.2           51.7           79.7           60.7           100.0           39.1           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           87.3           72.0           100.0           84.0           73.9           65.7           56.4           92.2           66.2	Frame (X HI-RISE SI An Head & Sil 2 2 3 3 2 2 2 2 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 3 3 3 3 2 2 2 2 3 3 3 3 3 2 2 2 2 2 3 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 3 3 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 3	LL chors Each Jam 2 2 2 2 2 2 2 2 2 2 2 2 2
Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 24 24 36 48 60 72 24 36 48	STANDARC Height (in) 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	DMEETING           DP(+)           psf           60.0	PAIL & S           DP(-)           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           56.3           47.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           97.0           88.7           86.2           100.0           79.6           64.7	Frame ( XC ANDARD S Ancl Head & Sill 2 2 3 5 5 2 3 4 5 2 3 4 5 2 3 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 3 4 4 2 2 3 3 3 4 4 5 5 2 3 3 3 4 4 5 5 2 3 3 3 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ALL           hors           Each Jamb           2	w Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 24 36 48 60 72 24 36 48 60 72 24 36 48 60 72 24 36 48	// STANDAJ Height (in) 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	D MEETII DP(+) psf 73.3 73	DP(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 83.8 76.0 95.8 73.0 56.3 47.0 100.0	An- Head & Sill 2 2 3 5 2 3 4 5 2 3 4 2 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 4 4 5 2 3 3 4 4 5 5 3 3 4 4 5 5 3 3 3 4 4 5 5 5 5	Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	w/ S Width (in) 26.5 37 53.125 74 24 36 48 60 72 24 36 60 72 24 36 36 48 60 72 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 48 36 37 22 24 36 36 48 36 37 22 24 36 36 37 22 24 36 36 37 22 24 36 36 48 36 37 22 24 36 36 48 36 36 48 36 36 48 36 48 48 60 72 24 43 36 44 48 60 72 24 4 36 44 8 60 72 24 4 36 4 48 60 72 24 4 36 4 48 60 72 24 4 36 4 48 60 72 24 4 36 48 48 60 72 24 4 36 48 48 60 72 24 4 36 48 48 60 72 24 4 36 48 48 48 60 72 24 4 36 48 48 48 48 48 48 48 48 48 48 48 48 48	TANDARE           Height (in)           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           38.375           38.375           38.375           50.625           50.625           50.625           50.625           24           24           24           24           24           24           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36           36           48	DIVECTING DP(+) psf 60.0 6	RAIL & ST DP(-) psf 100.0 100.0 92.5 67.7 100.0 76.9 65.2 51.7 79.7 60.7 44.6 39.1 100.0 100.0 100.0 100.0 87.3 72.0 100.0 84.0 73.9 65.7 56.4 92.2 66.2 49.0	ANDARD 3 And Head & Sill 2 2 3 3 2 2 2 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 3 3 2 2 2 3	SILL thors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2	w           Width           (in)           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26           36           48           60           72           24           36           48           60           72           24           36           48           60           72           24           36           48           60           72           24           36           48           60           72           36           48	//STANDA/ Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	J/8" Annea           RD MEETII           DP(+)           psf           73.3           73.3           73.3           73.3           73.3           73.3           67.7           73.3           65.2           51.7           73.3           60.7           44.6           39.1           73.3           73.	Ided Flange           NG RAIL &           DP(-)           psf           100.0           100.0           92.5           67.7           100.0           76.9           65.2           51.7           79.7           60.7           44.6           39.1           100.0           100.0           100.0           100.0           100.0           100.0           87.3           72.0           100.0           85.7           56.4           92.2           66.2           49.0	Frame ( X HI-RISE S An Head & Sil 2 2 3 3 2 2 2 2 2 3 3 2 2 2 2 3 3 2 2 2 2 3 3 2 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 2 2 3 3 3 2 2 2 2 2 2 2 2 2 3 3 3 2	LL chors Each Jam 2 2 2 2 2 2 2 2 2 2 2 2 2
Width (in) 26.5 37 53.125 74 26.5 37 53.125 74 26.5 37 53.125 74 24 24 36 48 60 72 24 36 48 60 72 24 36 60 72 24 36	STANDARC Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	DMEETING           DP(+)           psf           60.0	PAIL & S           DP(-)           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           56.3           47.0           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           97.0           88.7           86.2           100.0           79.6	Frame ( XC ANDARD S Ancl Head & sill 2 2 3 5 2 3 4 5 2 3 4 5 2 3 3 4 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 2 2 3 3 3 4 4 2 2 3 3 3 4 4 2 2 3 3 3 3	ALL           hors           Each Jamb           2	w Width (in) 26.5 37 53.125 74 26.5 37 74 26.5 37 53.125 74 26.5 37 72 24 36 60 72 24 36 60 72 24 36 60 72 24 36 36 36 37 22 72 24 36 36 37 22 36 36 36 37 22 24 36 36 36 36 37 22 24 36 36 36 36 36 22 24 36 36 36 36 36 36 22 24 36 36 36 36 36 36 36 36 36 36 36 36 36	// STANDAJ Height (in) 26 26 26 26 26 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	D MEETII DP(+) psf 73.3	DP(-) psf 100.0 100.0 100.0 100.0 100.0 100.0 83.8 76.0 95.8 73.0 56.3 47.0 100.0 10	An- Head & sill 2 2 3 5 2 3 4 5 2 3 4 2 3 3 4 2 2 3 3 4 2 2 3 3 4 4 2 2 3 3 4 4 5 5 2 3 3 4 4 5 5 3 3 4 4 5 5 5 5 5 5 5 5 5 5	Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	w/ 5 Width (in) 26.5 37 53.125 74 24 36 60 72 24 36 60 72 24 36 36 37 22 24 36 36 36 37 22 24 36 36 36 37 22 24 36 36 36 36 36 37 22 24 36 36 36 36 36 36 37 22 24 36 36 36 36 36 36 36 36 36 36 36 36 36	TANDARE           Height (in)           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           26           38.375           38.375           50.625           50.625           50.625           24           24           24           24           24           24           36 <tr t=""></tr>	DEETING           DP(+)           psf           60.0	RAIL & ST DP(-) psf 100.0 100.0 92.5 67.7 100.0 76.9 65.2 51.7 79.7 60.7 44.6 39.1 100.0 100.0 100.0 100.0 100.0 87.3 72.0 100.0 84.0 73.9 65.7 56.4 92.2 66.2	ANDARD 3 And Head & Sill 2 2 3 3 2 2 2 3 3 2 2 2 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 2 2 2 3 3 3 3 3 3 2 2 2 2 3 3 3 3 3 2 2 2 3 3 3 3 3 3 3 2 2 2 2 3 3 3 3 3 3 3 3 3 3 2 2 2 2 3	SILL thors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2	Width (in)           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           26.5           37           53.125           74           36           48           60           72           24           36           60           72           24           36	//STANDA/ Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	J/8" Annea           RD MEETII           DP(+)           psf           73.3           73.3           73.3           73.3           73.3           73.3           73.3           73.3           65.2           51.7           73.3           60.7           44.6           39.1           73.3           65.7           56.4           73.3           66.	Ided Flange           NG RAIL &           DP(-)           psf           100.0           100.0           92.5           67.7           100.0           76.9           65.2           51.7           79.7           60.7           100.0           39.1           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           100.0           87.3           72.0           100.0           84.0           73.9           65.7           56.4           92.2           66.2	Frame (X HI-RISE SI An Head & Sil 2 2 3 3 2 2 2 2 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 3 3 3 3 3 3 3 2 2 2 2 3 3 3 3 3 2 2 2 2 2 3 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 2 2 2 2 2 3 3 3 3 2 2 2 2 2 3 3 3 3 3 3 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 2 2 2 2 2 3	LL chors Each Jam 2 2 2 2 2 2 2 2 2 2 2 2 2



Test # HETI-08-2158 thru 08-2160 - 1/8" Tem pered Flange Frame Test # HET	n Im pact Horizontal Sliding Window (XO 0r OX) 1-08-2158 thru 08-2160 - 1/8" Tem pered Flange Frame EAVY DUTY MEETING RAIL & HI-RISE SILL	r I	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Art Foot for the Left for the low for the low for the Left for the low fo	<image/>	LANDUSTRIES, INC. NEDUSTRIES, INC. MEDLEY, FLORIDA 33166 PH No. (305) 696-8660 MANUFACTURER OF QUALITY ALUMINUM WINDOWS AND GLASS DOORS HS-8500 HORIZONTAL ROLLING FLANGE WINDOW GLASS LOAD CHARTS, GLAZING DETAIL, OPTIONAL INSTALLATION DETAIL Product Reference Number: Druwing Number: LB500-0401 Sheet. 6 OF 9 Revision
60       60       68.3       4       3       60         Pressure Limited to Negative 100pst.             Pressure Limited to Negative 100pst.             Imited to Negative 100pst.           Imited to Negative 100pst.           Imited to Negative 100pst.                     Output: The Negative State S	60       68.3       68.3       4       3         60       61.0       61.0       5       3         Pressure Limited to Negative 100ps f.         Pressure Limited to Negative 100ps f.    PRODUCT RENEWED          as complying with the Florida         Building Code         NOA-No.       20-0813.04         Expiration Date       01/26/2026         By	BY OTHERS (TYP.) EXT. GRADE BACK BEDDING TO BE APPLIED BEHIND WINDOW FLANGE BY INSTALLER (TYP.) WINDOW FRAME FLANGE EXT. GRADE PERIMETER CAULKING NOT BY 'LAWSON INDUSTRIES', TO BE APPLIED BY OTHERS (TYP.) STUCCO OR EXTERIOR FINISH BY OTHERS (TYP.)	THOMAS J. SOTOS     THOMAS J. SOTOS       FL. LIC. # 55225     ENGINEER       FL. LIC. # 55225     Revision Notes:       Revision Notes:     Revision Notes:       Revised to comply w/ 2010 FBC     B. Revised to Comply w/ 2010 FBC       D. Revised to Comply w/ 2017 FBC     D. Revised to Comply w/ 2017 FBC       D. Revised to Comply w/ 2017 FBC     D. Revised to Comply w/ 2017 FBC       D. Revised to Comply w/ 2017 FBC     B. Revised to Comply w/ 2017 FBC       D. Revised to Comply w/ 2017 FBC     Date Drawn:       N. ERAZO     Date Brawn:       DATE     N. ERAZO



Test	8500 Non Ir # FTL 4429 IEAVY DUT	- 1/4" Ann	ealed Flan	ge Frame (	XOX)	Test #	FTL 4429	- 1/4" Ann	ealed Flan	ing Windov ge Frame ( ) HI-RISE SI	XOX)	Test #	FTL 4457	3/16" Ann	zontal Slidi nealed Flang G RAIL & S	ge Frame (	XOX)	Test #	FTL 4457 -	3/16" Ann	nealed Flan	ing Window Ige Frame ( HI-RISE S	XOX)
Width	Height	DP(+)	DP(-)	Anc	hors	Width	Height	DP(+)	DP(-)	Anc	hors	Width	Height	DP(+)	DP(-)	Anc	hors	Width	Height	DP(+)	DP(-)		hors
(in) 53,125	(in) 26	psf 60.0	psf 100.0	Head & Sill 3	Each Jamb	(în) 53,125	(in) 26	psf 73.3		Head & Sill	Each Jamb	(in) 53.125	(în) 26	psf 60.0	psf 100.0	Head & Sill	Each Jamb	(in) 53.125	(in) 26	psf 73.3	psf 100.0	Head & Sill	Each Jami 2
74	26	60.0	100.0	5	2	74	26	73.3	100.0	5	2	74	26	60.0	100.0	5	2	74	26	73.3	100.0	5	2
106.375	26	60.0	100,0	7	2	106.375	26	73,3	100.0	7	2	106.375	26	60.0	81.6	5	2	106.375	26	73.3	81.6	5	2
111 53.125	26 38,375	60.0 60.0	100.0	7 4	2	111 53.125	26 38.375	73.3 73.3	100.0	7	2	111 53.125	26 38.375	60.0 60.0	79.0	5	2	111 53.125	26 38.375	73.3 73.3	79.0	5	2
74	38.375	60.0	100.0	6	2	74	38.375	73.3	100.0	6	2	74	38.375	60.0	86.0	5	2	74	38.375	73.3	86.0	5	2
106.375	38.375	60.0	76.9	7	2	106.375	38.375	73.3	76.9	7	2	106.375	38.375	60.0	61.6	6	2	106.375	38.375	61.6	61.6	6	2
111 53.125	38.375 50.625	60.0 60.0	73.1	7 6	2	111 53.125	38.375 50.625	73.1	73.1 100.0	7	2	111 53.125	38.375 50.625	58.7 60.0	58.7 86.5	6	2	111 53.125	38.375 50.625	58.7 73.3	58.7 86.5	6	2
74	50.625	60.0	81.9	6	2	74	50.625	73.3	81.9	6	2	74	50.625	60.0	65.7	5	2	74	50.625	65.7	65.7	5	2
106.375	50.625	60.0	65.0	7	2	106.375	50.625	65.0	65.0	7	2	106.375	50.625	523	52.3	6	2	106.375	50,625	52.3	52.3	6	2
111 53,125	50.625 58	60.0 60.0	61.9 90.8	7	2	111 53.125	50.625 58	61.9 73.3	61.9 90.8	7	2	111 53.125	50.625 58	50.3 60.0	50.3 79.4	6	2	111 53.125	50.625 58	50.3 73.3	50.3 79.4	6	2
74	58	60.0	70.3	6	2	74	58	70.3	70.3	6	2	74	58	54.6	54.6	5	2	74	58	54.6	54.6	5	2
106.375	58	57.2	57.2	7	2	106.375	58	57.2	57.2	7	2	106.375	58	46.5	46.5	6	2	106.375	58	46.5	46.5	6	2
111 53.125	58 63	55.5 60.0	55.5 82.1	8	2	111 53.125	58 63	55.5 73.3	55.5 82.1	8	2	111 53.125	58 63	44.9 60.0	44.9 72.0	6	2	111 53.125	58 63	44.9 72.0	44.9	6	2
74	63	60.0	62.5	6	2	74	63	62.5	62.5	6	2	74	63	49.2	49.2	5	2	74	63	49.2	49.2	5	2
106.375	63	52.1	52.1	7	2	106.375	63	52.1	52.1	7	2	106.375	63	42.9	42.9	6	2	106.375	63	42.9	42.9	6	2
<u>111</u> 72	63 24	51.1 60.0	51.1 100.0	8	2	111	63	51.1 73.3	51.1	8	2	111 72	63 24	41.3 60.0	41.3	6	2	111 72	63 24	41.3 73.3	41.3	6	2
84	24	60.0	100.0	4	2	72 84	24	73.3	100.0	4	2	84	24	60.0	100.0	4	2	84	24	73.3	100.0	5	2
96	24	60.0	100.0	6	2	96	24	73.3	100.0	6	2	96	24	60.0	95.3	5	2	96	24	73.3	95.3	5	2
108	24	60.0	100.0	6	2	108	24	73.3	100.0	6	2	108	24	60.0	90.5	6	2	108	24	73.3	90.5 85.3	6	2
120 72	24 36	60.0 60.0	100.0	7	2	120 72	24 36	73.3 73.3	100.0	7	2	120 72	24 36	60.0 60.0	85.3 91.2	6	2	120 72	24 36	73.3 73.3	91.2	5	2
84	36	60.0	94.4	6	2	84	36	73.3	94.4	6	2	84	36	60.0	82.0	5	2	84	36	73.3	82.0	5	2
96	36	60.0	87.0	7	2	96	36	73,3	87.0	7	2	96	36	60.0	74.2	6	2	96	36	73.3	74.2	6	2
108	36 36	60.0 60.0	78.6 68.5	7	2	108	36 36	73.3 68.5	78.6 68.5	7	2	108	36 36	60.0 53.3	62.0 53.3	6	2	108 120	36	62.0 53.3	53.3	6	2
72	48	60.0	87.2	6	2	72	48	73.3	87.2	6	2	72	48	60.0	71.3	5	2	72	48	71.3	71.3	5	2
84	48	60.0	80.3	7	2	84	48	73.3	80.3	7	2	84	48	60.0	65.8	6	2	84	48	65.8	65.8	6	2
96 108	48 48	60.0 60.0	74.3 66.4	7	2	96 108	48 48	73.3	74.3	7	2	96 108	48 48	60.0 53.7	60.0 53.7	6	2	96 108	48 48	60.0 53.7	60.0 53.7	6	2
120	48	59.3	59.3	8	2	120	48	59.3	59.3	8	2	120	48	48.7	48.7	6	2	120	48	48.7	48.7	6	2
72	60	60.0	69.2	6	2	72	60	69.2	69.2	6	2	72	60	52.6	52.6	5	2	72	60	52.6	52.6	5	2
84 96	60 60	60 58.6	61.5 58.6	6	2	84 96	60 60	61.5 58.6	61.5 58.6	6	2	84 96	60 60	50.7 48.3	50.7 48.3	6	2	84 96	60 60	50.7 48.3	50.7 48.3	6	2
108	60	54.8	54.8	8	2	108	60	54.8	54.8	8	2	108	60	44.5	44.5	6	2	108	60	44.5	44.5	6	2
120	60	51	51	8	2	120	60	51	51	8	2	120	60	40.8	40.8	7	2	120	60	40.8	40.8	7	2
			o Negative 1	00psf.				ure Limited t	o Negative 1	00psf.				una Limpitad t	to Negative 1						C TALL AND A DO		
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w/	STANDARD	- 3/16" Ann DMEETING	RAIL & ST		XOX)	Test # w	FTL 4594 / STANDAJ	- 3/16" Ann RD MEETIN	lealed Flar	ing Windov Ige Frame ( HI-RISE SII	XOX)	Test w/STAND	8500 Non In # FTL 4578	mpact Hor - 1/8" Ann ING RAIL	izontal Slid nealed Flan & STANDA	ing Windo ge Frame ( RD SILL	XOX)	Test # w/STAND	8500 Non Ir # FTL 4578 ARD MEET	npact Hori - 1/8" Ann ING RAIL	izontal Slic nealed Flar & HI-RISE	ling Windo Ige Frame ( SILL	XOX)
w/ Width	STANDARD Height	- 3/16" Ann DMEETING DP(+)	RAIL & ST	ige Frame ( TANDARD S And	XOX) SILL	Test # w Width	FTL 4594 STANDAJ Height	- 3/16" Ann RD MEETIN DP(+)	IG RAIL & DP(-)	ige Frame ( HI-RISE SIL And	XOX) L hors	Test w/STAND Width	8500 Non In # FTL 4578 ARD MEET Height	npact Hor - 1/8" Anr ING RAIL DP(+)	izontal Slid nealed Flan & STANDA DP(-)	ing Windo ge Frame ( RD SILL And	XOX)	Test # w/STAND/ Width	8500 Non Ir # FTL 4578 ARD MEET Height	npact Hori - 1/8" Ann ING RAIL DP(+)	izontal Slic nealed Flar & HI-RISE DP(-)	ding Windo Ige Frame ( SILL An	XOX )
w/	STANDARD	- 3/16" Ann DMEETING	RAIL & ST	ige Frame ( TANDARD S And	(XOX) SILL	Test # w	FTL 4594 / STANDAJ	- 3/16" Ann RD MEETIN	lealed Flar	ige Frame ( HI-RISE SIL And	XOX) L	Test w/STAND	8500 Non In # FTL 4578 ARD MEET	mpact Hor - 1/8" Ann ING RAIL	izontal Slid nealed Flan & STANDAI DP(-) psf 97.8	ing Windo ge Frame ( RD SILL And	XOX)	Test # w/STAND	8500 Non Ir # FTL 4578 ARD MEET	npact Hori - 1/8" Ann ING RAIL DP(+) psf 73.3	izontal Slic nealed Flar & HI-RISE	fing Windo ige Frame ( SILL An Head & Sil 3	XOX ) chors Each Jam 2
w/ Width (in) 53.125 74	STANDARD Height (in) 26 26	- 3/16" Anr MEETING DP(+) psf 60.0 60.0	ealed Flan RAIL & ST DP(-) psf 100.0 100.0	ge Frame ( FANDARD S And Head & Sill 3 5	XOX) SILL chors Each Jamb 2 2	Test # w Width (in) 53.125 74	FTL 4594 / STANDA/ Height (in) 26 26	- 3/16" Anr RD MEE TIM DP(+) psf 73.3 73.3	Dealed Flar NG RAIL & DP(-) psf 100.0 100.0	ige Frame ( HI-RISE SIL And Head & Sill 3 5	XOX) L hors Each Jamb 2 2	Test; w/ STAND Width (in) 53.125 74	8500 Non Ii # FTL 4578 ARD MEET Height (in) 26 26	mpact Hor - 1/8" Anr ING RAIL DP(+) psf 60.0 60.0	izontal Slid nealed Flang & STANDAI DP(-) psf 97.8 73.6	ing Windo ge Frame ( RD SILL Head & Sill 3 3	XOX) Each Jamb	Test # w/STAND/ Width (in) 53.125 74	3500 Non Ir # FTL 4578 ARD MEET Height (in) 26 26	npact Hori - 1/8" Ann ING RAIL DP(+) psf 73.3 73.3	izontal Slic nealed Flar & HI-RISE DP(-) psf 97.8 73.6	ding Windo ige Frame ( SILL Head & Sil 3 3	XOX) chors Each Jam 2 2
w/ Width (in) 53.125 74 106.375	STANDARD Height (in) 26 26 26	- 3/16" Anr MEETING DP(+) psf 60.0 60.0 60.0	ealed Flam RAIL & ST DP(-) psf 100.0 100.0 81.6	ge Frame ( TANDARD S Anc Head & Sill 3 5 5	XOX) SILL Each Jamb 2 2 2	Test # w Width (in) 53.125 74 106.375	FTL 4594 / STANDA/ Height (in) 26 26 26	- 3/16" Anr RD MEETIN DP(+) psf 73.3 73.3 73.3 73.3	ealed Flar JG RAIL & DP(-) psf 100.0 100.0 81.6	Ige Frame ( HI-RISE SIL Head & Sill 3 5 5	XOX) L hors Each Jamb 2 2 2	Test; w/STAND Width (in) 53.125 74 106.375	3500 Non Ii # FTL 4578 ARD MEET Height (in) 26 26 26 26	mpact Hor - 1/8" Anr ING RAIL DP(+) psf 60.0 60.0 43.0	izontal Slidi nealed Flan & STANDA DP(-) psf 97.8 73.6 43.0	ing Windo ge Frame ( RD SILL Head & Sill 3 3 3	XOX) Each Jamb 2 2 2 2	Test # w/ STAND/ Width (in) 53.125 74 106.375	3500 Non Ir # FTL 4578 ARD MEET Height (in) 26 26 26 26	npact Hori - 1/8" Ann ING RAIL DP(+) psf 73.3 73.3 43.0	izontal Slic nealed Flar & HI-RISE DP(-) psf 97.8 73.6 43.0	fing Windo Ige Frame ( SILL Head & Sil 3 3 3 3	XOX ) chors Each Jam 2 2 2
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w/ Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 108 120 72 84 96 108 120 72 84 96 108 120	STANDARD Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 36 36 36 36 36	- 3/16" Anr DEETING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 58.7 60.0 51.9 44.6 44.1 60.0 60	nealed Flam RAIL & S DP(-) psf 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0 53.3	ge Frame ( FANDARD 5 Anc Head & Sill 3 5 5 5 4 5 6 6 6 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	XOX) SILL hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # ww Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120	FTL 4594 / STANDA/ Height (in) 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	- 3/16" Anr RD MEETIN DP(+) psf 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 61.6 58.7 64.3 51.9 44.6 44.1 73.3 61.6 58.7 64.3 73.3	Pealed Flar IG RAIL & DP(-) psf 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0 53.3	rege Frame ( HI-RISE SI Head & Sill 3 5 5 5 5 4 4 5 5 6 6 6 4 4 5 5 5 5 6 6 6 6	XOX ) L hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test; w/STAND Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120	3500 Non In	mpact Hor - 1/8" Anr ING RAIL DP(+) psf 60.0 43.0 40.5 60.0 53.4 38.7 37.2 43.1 34.8 29.5 28.2 60.0 60.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3	izontal Slidi nealed Flang & STANDA Ppf 97.8 73.6 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 78.2 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3	ing Windo ge Frame ( RD SILL Head & Sill 3 3 3 3 4 4 4 4 4 4 4 3 3 3 3 3 4 4 4 4 4 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	XOX) Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # w/STAND Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120	5000 Non Ir FTL 4578 ARD MEET Height (in) 26 26 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.6	mpact Hori - 1/8" Ann ING RAIL DP(+) psf 73.3 73.3 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 73.3 62.0 51.1 43.8 38.9 59.7 51.3 40.0 35.3	izontal Slic           healed Flar           & HI-RISE           DP(-)           psf           97.8           73.6           43.0           40.5           62.5           53.4           38.7           37.2           43.1           34.8           29.5           28.2           78.2           62.0           51.1           43.8           38.9           59.7           51.3           45.1           40.0           35.3	An           Head & Sil           3           3           3           3           3           3           3           3           3           3           3           3           3           4           4           3           3           3           3           4           4           4           3           3           4           4           4           4           4           4           4           4           4           4           4           4           4           4	XOX )      Each Jam     2
w/ Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108	STANDARD Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 36 36 36 36	- 3/16" Anr DECTING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 58.7 60.0 51.9 44.6 44.1 60.0 60	nealed Flam RAIL & S DP(-) psf 100.0 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0	ge Frame ( FANDARD 5 Anc Head & Sill 3 5 5 5 4 5 6 6 6 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	XOX) SILL hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # ww Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108	FTL 4594 / STANDA/ Height (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 24 24 24 24 24 24 24 24 24 24 36 36 36 36	- 3/16" Anr RD MEETIN DP(+) psf 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 61.6 58.7 64.3 51.9 44.6 44.1 73.3 61.6 58.7 64.3 73.3	Pealed Flar IG RAIL & DP(-) psf 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0	rege Frame ( HI-RISE SI Head & Sill 3 5 5 5 5 4 4 5 6 6 4 4 5 5 5 6 6 6 6 5 5 5 6 6 6 6	XOX) L hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test; w/STAND Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108	3500 Non In	mpact Hor -1/8" Anr ING RAIL DP(+) psf 60.0 43.0 40.5 60.0 53.4 38.7 37.2 43.1 34.8 29.5 28.2 60.0 60.0 51.1 43.8 28.2 60.0 60.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4	izontal Slid izontal Slid wealed Flang & STANDA DP(-) psf 97.8 73.6 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 78.2 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4	ing Windo ge Frame ( RD SILL Head & Sill 3 3 3 3 4 4 4 4 4 4 3 3 3 4 4 4 4 3 3 3 4 4 4 4 3 3 3 4 4 4 4 4 4 3 3 3 4	XOX) Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # w/STAND/ Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108	5000 Non Ir FTL 4578 ARD MEET Height (in) 26 26 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.6	mpact Hori - 1/8" Ann ING RAIL DP(+) psf 73.3 73.3 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 73.3 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0	izontal Slic           healed Flar           & HI-RISE           DP(-)           97.8           73.6           43.0           40.5           62.5           53.4           38.7           37.2           43.1           34.8           29.5           28.2           78.2           62.0           51.1           43.8           38.9           59.7           51.3           45.1           40.0	An           Head & Sil           3           4           4           4           4           4           4           4           4           4           4           4           4           4           4           4           4	XOX )      Each Jam     Each Jam     2
w/ Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84 96	STANDARC Height (in) 26 26 26 26 38,375 38,375 38,375 38,375 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625 24 24 24 24 24 24 24 24 24 24 24 24 24	- 3/16" Anr DECTING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 58.7 60.0 51.9 44.6 44.1 60.0 60	nealed Flam RAIL & S DP(-) psf 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0 53.3 56.9 52.8 50.3	ge Frame ( ANDARD 5 And Head & Sill 3 5 5 5 4 5 6 6 6 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	XOX) SILL hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 120 120 120 120 120 120 120 120	FTL 4594 / STANDAJ Height (in) 26 26 26 38,375 38,375 38,375 38,375 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625 24 24 24 24 24 24 24 24 24 24 24 24 24	-3/16" Anr RD MEETIN DP(+) psf 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 61.6 58.7 64.3 51.9 44.6 44.1 73.3 51.9 44.6 44.1 73.3 73.3 73.3 73.3 51.9 44.6 44.1 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 51.9 44.6 44.1 73.3 56.9 52.8 50.3	Pealed Flar IG RAIL & DP(-) psf 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0 53.3 56.9 52.8 50.3	rege Frame ( HI-RISE SII Head & SIII 3 5 5 5 5 5 5 5 6 6 6 6 6 5 5 5 6 6 6 6	XOX) L hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test; w/STAND Width (in) 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 153,125 74 106,375 111 23,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 72 84 96 108 120 72 84 96 108 120 72 84 96	3500 Non In	mpact Hor -1/8" Anr ING RAIL DP(+) psf 60.0 43.0 40.5 60.0 53.4 38.7 37.2 43.1 34.8 29.5 28.2 60.0 60.0 51.1 43.8 29.5 28.2 60.0 60.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4 33.7	izontal Slid wealed Flang & STANDA DP(-) psf 97.8 73.6 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 78.2 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.9 59.7 51.3 38.7 51.3 38.9 59.7 51.3 38.7 51.3 38.9 59.7 51.3 38.7 51.3 38.7 51.3 53.7 55.7	ing Windo ge Frame ( RO SILL 3 3 3 3 3 3 3 4 4 4 4 4 4 3 3 3 3 4	XOX) Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # w/STAND/ Width (in) 53.125 74 106.375 111 72 84 96 108 120 72 84 96	3500 Non Ir # FTL 4578 ARD MEET Height (in) 26 26 26 26 26 26 38.375 38.375 38.375 38.375 50.625 60.625 60.625 60.625 60.625 60.625 60.625 60.	npact Hori - 1/8" Ann ING RALL DP(+) psf 73.3 73.3 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 73.3 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4 33.7	izontal Slic nealed Flar & HI-RISE DP(-) psf 97.8 73.6 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 78.2 62.0 51.1 43.8 29.5 28.2 78.2 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4 33.7	An           Head & Sil           3           4           4           4           4           3           3           3           3           3           3           3           3           4      4     <	XOX )      Each Jam     Each Jam     2
w/ Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84	STANDARC Height (in) 26 26 26 26 38.375 38.375 38.375 38.375 50.625 50.625 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 24 24	- 3/16" Anr DEETING DP(+) psf 60.0 60.0 60.0 60.0 60.0 60.0 60.0 51.9 44.6 44.1 60.0 60	nealed Flam RAIL & S DP(-) psf 100.0 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0 53.3 56.9 52.8	ge Frame ( ANDARD 5 Anc Head & Sill 3 5 5 5 4 5 5 4 5 6 6 6 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6	XOX) SILL hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # w Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84	FTL 4594 / STANDAJ Height (in) 26 26 26 38,375 38,375 38,375 38,375 50,625 50,625 50,625 50,625 50,625 50,625 50,625 50,625 24 24 24 24 24 24 24 24 24 24 24 24 24	-3/16" Anr DP(+) psf 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 73.3 61.6 58.7 64.3 51.9 44.6 44.1 73.3 51.9 44.6 44.6 44.1 73.3 75.2	ealed Flar IG RAIL & DP(-) psf 100.0 100.0 81.6 79.0 93.2 79.6 61.6 58.7 64.3 51.9 44.6 44.1 100.0 100.0 95.3 90.5 85.3 89.4 82.0 74.2 62.0 53.3 56.9 52.8	ge Frame ( HI-RISE SII Head & SIII 3 5 5 5 5 4 5 5 6 6 6 4 4 5 5 5 5 6 6 6 6	XOX ) L hors Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test; w/STAND Width (in) 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 53,125 74 106,375 111 17 2 84 96 108 120 72 84 96 108 120 72 84	3500 Non In	mpact Hor -1/8" Anr ING RAIL DP(+) psf 60.0 43.0 40.5 60.0 53.4 38.7 37.2 43.1 34.8 29.5 28.2 60.0 60.0 51.1 43.8 28.2 60.0 60.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4	izontal Slid wealed Flang & STANDA DP(-) psf 97.8 73.6 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 78.2 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4	ing Windo ge Frame ( RO SILL 3 3 3 3 3 3 3 4 4 4 4 4 4 4 3 3 3 3 3	XOX) Each Jamb 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Test # w/STAND/ Width (in) 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84	3500 Non Ir # FTL 4578 ARD MEET Height (in) 26 26 26 26 26 26 26 38.375 38.375 38.375 38.375 50.6250	mpact Hori - 1/8" Ann ING RALL DP(+) psf 73.3 73.3 43.0 40.5 62.5 53.4 38.7 37.2 43.1 34.8 29.5 28.2 73.3 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4	izontal Slic nealed Flar & HI-RISE DP(-) psf 97.8 73.6 43.0 40.5 62.5 63.4 38.7 37.2 43.1 34.8 29.5 28.2 78.2 62.0 51.1 43.8 38.9 59.7 51.3 45.1 40.0 35.3 38.2 35.4	An           Head & Sil           3           4           4           4           4           3           3	XOX )      Each Jam     Each Jam     2



w/H	FTL 4541 -	1/8" Anne	aled Insula	Window - ted Flange TANDARD	Frame	Test #	FTL 4541 -	1/8" Anne	aled Insula	Window - ) ated Flange HI-RISE SI	Frame	Test #	FTL 4533 -	1/8" Anne	aled Insula	findow - XC ated Flange TANDARD	Frame	Test #	FTL 4533 -	Horizontal 1/8'' Annea TTY MEETIN	aled Insula	ted Flange	Frame
Width	Height	DP(+)	DP(-)		hors	Width	Height	DP(+)	DP(-)		hors	Width	Height	DP(+)	DP(-)		hors	Width	Height	DP(+)	DP(-)		hors
(in)	(in)	psf	psf		Each Jamb	(in)	(in)	psf	psf	Head & Sill		(in) 26.5	(in) 26	psf 60.0	100.0	Head & Sill	Each Jamb	(in) 26.5	(in) 26	psf 73.3	psf 100.0	Head & Sill	Each Jam
53.125	26 26	60.0 60.0	100.0	3	2	53.125	26 26	73.3 73.3	100.0	3	2	37	20	60.0	100.0	2	2	37	26	73.3	100.0	2	2
106.375	26	60.0	77.4	5	2	106.375	26	73.3	77.4	5	2	53.125	26	60.0	100.0	3	2	53,125	26	73.3	100.0	3	2
111	26	60.0	72.9	5	2	111	26	72.9	72.9	5	2	74 26.5	26 38.375	60.0 60.0	100.0	5	2	26.5	26 38.375	73.3 73.3	100.0	5	2
53.125	38.375 38.375	60.0 60.0	100.0 98.5	4	2	53.125 74	38.375 38.375	73.3	100.0 98.5	4	2	37	38.375	60.0	100.0	3	2	37	38.375	73.3	100.0	3	2
106.375	38.375	60.0	69.7	6	2	106.375	38.375	69.7	69.7	6	2	53.125	38.375	60.0	100.0	4	2	53.125	38.375	73.3	100.0	4	2
111	38.375	60.0	66.9	6	2	111	38,375	66,9	66.9	6	2	74	38.375	60.0	93.1	5	2	74	38.375	73.3	96.1	5	2
53.125	50.625 50.625	60.0 60.0	80.9 75.0	5	2	53.125 74	50.625 50.625	73.3 73.3	80.9 75.0	5	2	26.5 37	50.625 50.625	60.0 60.0	100.0	2	2	26.5	50.625 50.625	73.3 73.3	100.0	2	2
106.375	50.625	53.2	53.2	6	2	106.375	50.625	53.2	53.2	6	2	53.125	50.625	60.0	80.3	4	3	53.125	50.625	73.3	80.3	4	3
111	50.625	50.8	50.8	6	2	111	50.625	50.8	50.8	6	2	74	50.625	60.0	71.7	5	3	74	50,625	71.7	71.7	5	3
53.125 74	58 58	60.0 60.0	68.1 62.7	5	2	53.125 74	58 58	68.1 62.7	68.1 62.7	5	2	26.5 37	58 58	60.0	100.0 98.6	3	2	26.5 37	58 58	73.3 73.3	100.0 98.6	3	2
106.375	58	46.1	46.1	6	2	106.375	58	46.1	46.1	6	2	53.125	58	60.0	66.0	4	2	53.125	58	66.0	66.0	4	2
111	58	44.3	44.3	6	2	111	58	44.3	44.3	6	2	74	58	60.0	60.8	5	3	74	58	60.8	60.8	5	3
53.125	63	60.0	61.8	4	2	53.125	63	61.8	61.8	4	2	26.5	63	60.0	100.0	3	2	26.5 37	63 63	73.3 73.3	100.0 89.4	3	2
74 106.375	63 63	56.2 42.8	56.2 42.8	6	2	74	63 63	56.2 42.8	56.2 42.8	6	2	37 53.125	63 63	60.0 57.0	89.4 57.0	4	3	53.125	63	57.0	57.0	4	2
111	63	40.9	40.9	6	2	111	63	40.9	40.9	6	2	74	63	54.0	54.0	5	3	74	63	54.0	54.0	5	3
72	24	60.0	100.0	4	2	72	24	73.3	100.0	4	2	24	24	60.0	100.0	2	2	24	24	73.3	100.0	2	2
84 96	24 24	60.0 60.0	100.0	5	2	84 96	24 24	73.3 73.3	100.0	5	2	36 48	24 24	60.0 60.0	100.0	2	2	36	24	73.3 73.3	100.0	2	2
108	24	60.0	78.8	5	2	108	24	73.3	78.8	5	2	60	24	60.0	100.0	3	2	60	24	73.3	100.0	3	2
120	24	60.0	70.0	5	2	120	24	70.0	70.0	5	2	72	24	60.0	100.0	4	2	72	24	73.3	100.0	4	2
72	36	60.0	100.0	6	2	72	36	73.3	100.0	6	2	24	36	60.0	100.0	2	2	24	36 36	73.3 73.3	100.0	2	2
84 96	36 36	60.0 60	92.4 81.2	6	2	84 96	36 36	73.3	92.4 81.2	6	2	36 48	36 36	60.0 60.0	100.0	3	2	<u>36</u> 48	36	73.3	100.0	3	2
108	36	60	72	6	2	108	36	72.0	72.0	6	2	60	36	60.0	100.0	4	2	60	36	73.3	100.0	4	2
120	36	60	63.6	6	2	120	36	63.6	63.6	6	2	72	36	60.0	100.0	5	2	72	36	73.3	100.0	5	2
72 84	48 48	60 60	81.6	6	2	72	48 48	73.3	81.6 71.5	6	2	24	48 48	60.0 60.0	100.0	2	2	24	48 48	73.3 73.3	100.0	2	2
96	48	60.0	62.9	6	2	96	40	62.9	62.9	6	2	48	48	60.0	88.3	4	2	48	48	73.3	88.3	4	2
108	48	55.1	55.1	6	2	108	48	55.1	55.1	6	2	60	48	60.0	85.7	4	3	60	48	73.3	85.7	4	3
120	48	49.4	49.4	6	2	120	48	49.4	49.4	6	2	72	48	60.0	77.3	5	3	72	48	73.3	77.3	5	3
72 84	60 60	60.0 55.4	61.0 55.4	6	2	72	60 60	61.0 55.4	61.0 55.4	6	2	24	60 60	60.0 60	100.0	2	2	24	60 60	73.3 73.3	100.0 96.9	2	2
96	60	49.9	49.9	6	2	96	60	49.9	49.9	6	2	48	60	60	66.0	3	2	48	60	66.0	66.0	3	2
108	60	44,2	44.2	6	2	108	60	44.2	44.2	6	2	60	60	60	63.1	4	3	60	60	63.1	63.1	4	3
120	60 Press	39.6	39.6 to Negative 1	6 D0osf	2	120	60 Prace	39.6	39.6 to Negative 1	6 00nef	2	72	60 Press	58.8	58.8 to Negative 1	5 100nef	3	72	60 Press	58.8 ure Limited t	58.8	5 D0nsf	3
Test #   w/ S	FTL 4588 - TANDARD	1/8" Anne MEETING	aled Insula RAIL & S	Window - ted Flange TANDARD	Frame SILL	Test # w	0 Non Impa FTL 4588 // STANDAI	act Horizor - 1/8'' Anne RD MEETIN	ntal Sliding aled Insula NG RAIL &	Window - ated Flange HI-RISE SI	: Frame LL												
Width (in)	Height (in)	DP(+) psf	DP(-) psf		Each Jamb	Width (in)	Height (in)	DP(+) psf	DP(-) psf		Each Jamb												
53.125	26	60.0	100.0	3	2	53.125	26	73.3	100.0	3	2												
74	26	60.0	100.0	5	2	74	26	73.3	100.0	5	2												
106.375	26 26	60.0 60.0	77.4	5	2	106.375	26 26	73.3	77.4	5	2												
53.125	38.375	60.0	93.2	4	2	53.125	38.375	73.3	93.2	4	2												
	38.375	60.0	79.6	5	2	74	38.375	73.3	79.6	5	2												
74	and the second se	a contra to the second	60.7	G	2	100 975	20 275	60.7	60.7			1											
74 106.375 111	38.375 38.375	60.0 60.0	69.7 66.9	6 6	2	106.375 111	38.375 38.375	69.7 66.9	69.7 66.9	6	2												
106.375 111 53.125	38.375 38.375 50.625	60.0 60.0 60.0	66.9 64.3	6 4	2	111 53.125	38.375 50.625	66.9 64.3	66.9 64.3	6 4	2												
106.375 111 53.125 74	38.375 38.375 50.625 50.625	60.0 60.0 60.0 51.9	66.9 64.3 51.9	6 4 4	2 2 2	111 53.125 74	38.375 50.625 50.625	66.9 64.3 51.9	66.9 64.3 51.9	6 4 4	2 2 2												
106.375 111 53.125	38.375 38.375 50.625	60.0 60.0 60.0	66.9 64.3	6 4	2	111 53.125	38.375 50.625 50.625	66.9 64.3	66.9 64.3	6 4	2												
106.375 111 53.125 74 106.375 111 72	38.375 38.375 50.625 50.625 50.625 50.625 50.625 24	60.0 60.0 51.9 44.6 44.1 60.0	66.9 64.3 51.9 44.6 44.1 100.0	6 4 4 5 5 4	2 2 2 2 2 2 2 2	111 53.125 74 106.375 111 72	38.375 50.625 50.625 50.625 50.625 50.625 24	66.9 64.3 51.9 44.6 44.1 73.3	66.9 64.3 51.9 44.6 44.1 100.0	6 4 4 5 5 4	2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24	60.0 60.0 51.9 44.6 44.1 60.0 60.0	66.9 64.3 51.9 44.6 44.1 100.0 100.0	6 4 5 5 4 5	2 2 2 2 2 2 2 2 2 2 2 2	111 53.125 74 106.375 111 72 84	38.375 50,625 50.625 50.625 50.625 24 24 24	66.9 64.3 51.9 44.6 44.1 73.3 73.3	66.9 64.3 51.9 44.6 44.1 100.0 100.0	6 4 5 5 4 5	2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9	6 4 5 5 4 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53.125 74 106.375 111 72 84 96	38.375 50.625 50.625 50.625 50.625 24 24 24 24	66.9 64.3 51.9 44.6 44.1 73.3 73.3 73.3 73.3	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9	6 4 5 5 4 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0 60.0 60.0 60.0	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0	6 4 5 5 4 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53.125 74 106.375 111 72 84 96 108 120	38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24	66.9 64.3 51.9 44.6 44.1 73.3 73.3 73.3 73.3 73.3 73.3 70.0	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0	6 4 5 5 4 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 36	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0 60.0 60.0 60.0 60.0	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0 89.4	6 4 5 5 4 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53 125 74 106 375 111 72 84 96 108 120 72	38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 36	66.9 64.3 51.9 44.6 44.1 73.3 73.3 73.3 73.3 73.3 73.3 70.0 73.3	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0 89.4	6 4 5 5 4 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 36 36	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0 89.4 85.7	6 4 4 5 5 4 5 5 5 5 5 5 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53.125 74 106.375 111 72 84 96 108 120 72 84	38.375 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 36 36	66.9           64.3           51.9           44.6           44.1           73.3           73.3           73.3           73.3           70.0           73.3           73.3           73.3           70.0           73.3           73.3	66.9         64.3           51.9         44.6           44.1         100.0           100.0         91.9           78.8         70.0           89.4         85.7	6 4 5 5 5 5 5 5 5 5 5 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 36 36 36 36	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0 89.4	6 4 5 5 4 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53 125 74 106 375 111 72 84 96 108 120 72	38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 36	66.9 64.3 51.9 44.6 44.1 73.3 73.3 73.3 73.3 73.3 73.3 70.0 73.3	66.9 64.3 51.9 44.6 44.1 100.0 100.0 91.9 78.8 70.0 89.4	6 4 5 5 4 5 5 5 5 5 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 36 36 36 36 36 36	60.0 60.0 51.9 44.6 44.1 60.0	66.9           64.3           51.9           44.6           44.1           100.0           100.0           91.9           78.8           70.0           89.4           85.7           81.2           72.0           63.6	6 4 5 5 4 5 5 5 5 5 5 5 6 6 6 6 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53 125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84 96 108	38.375 50.625 50.625 50.625 24 24 24 24 24 24 24 24 36 36 36 36 36 36	66.9           64.3           51.9           44.6           44.1           73.3	66.9         64.3           51.9         44.6           44.1         100.0           100.0         91.9           78.8         70.0           89.4         85.7           81.2         72.0           63.6         51.9	6 4 5 5 5 5 5 5 5 6 6 6 6 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 108 120 72 84 108 120 72	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60	66.9           64.3           51.9           44.6           44.1           100.0           100.0           91.9           78.8           70.0           89.4           85.7           81.2           72.0           63.6           56.9	6 4 4 5 5 4 5 5 5 5 5 5 5 6 6 6 6 6 4 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53 125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84 96 108 120 72	38.375 50.625 50.625 50.625 24 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36	66.9           64.3           51.9           44.6           44.1           73.3           63.6           56.9	66.9           64.3           51.9           44.6           44.1           100.0           100.0           91.9           78.8           70.0           89.4           85.7           81.2           72.0           63.6           56.9	6 4 5 5 5 5 5 5 5 6 6 6 6 4	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 36 36 36 36 36 36	60.0 60.0 51.9 44.6 44.1 60.0	66.9           64.3           51.9           44.6           44.1           100.0           100.0           91.9           78.8           70.0           89.4           85.7           81.2           72.0           63.6	6 4 5 5 4 5 5 5 5 5 5 5 6 6 6 6 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53 125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84 96 108	38.375 50.625 50.625 50.625 24 24 24 24 24 24 24 24 36 36 36 36 36 36	66.9           64.3           51.9           44.6           44.1           73.3	66.9         64.3           51.9         44.6           44.1         100.0           100.0         91.9           78.8         70.0           89.4         85.7           81.2         72.0           63.6         51.9	6 4 5 5 5 5 5 5 5 6 6 6 6 6 6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
106.375 111 53.125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84 120 72 84 98	38.375 38.375 50.625 50.625 50.625 50.625 24 24 24 24 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 36 48 48	60.0 60.0 51.9 44.6 44.1 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 56.9 52.8	66.9           64.3           51.9           44.6           44.1           100.0           91.9           78.8           70.0           89.4           85.7           81.2           72.0           63.6           56.9           52.8	6 4 4 5 5 4 5 5 5 5 5 5 5 6 6 6 6 6 6 4 5 5 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	111 53 125 74 106.375 111 72 84 96 108 120 72 84 96 108 120 72 84 108 120 72 84	38.375 50.625 50.625 50.625 24 24 24 24 24 24 24 24 36 36 36 36 36 36 36 36 36 36	86.9           64.3           51.9           44.6           44.1           73.3           72.0           63.6           56.9           52.8	66.9           64.3           51.9           44.6           44.1           100.0           91.9           78.8           70.0           89.4           85.7           81.2           72.0           63.6           56.9           52.8	6 4 5 5 4 5 5 5 5 5 5 5 6 6 6 6 6 6 6 4 5 5	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												

