

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

# NOTICE OF ACCEPTANCE (NOA)

PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

**MIAMI-DADE COUNTY** 

Air Balance, a division of Mestek, Inc. 450 Riverside Drive Wyalusing, PA 18853

**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:** Model A320 6" Aluminum Louver System (Dp ± 180.0 psf)

APPROVAL DOCUMENT: Drawing No. 1465, titled "A320 Louver System", sheets 1 through 15 of 15, dated 12/02/05, with revision D1 dated 04/18/23, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren. W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** A permanent label with the manufacturer's name or logo, manufacturing plant's city, state, model/ series, and the statement reading: "Miami-Dade County Product Control Approved", is to be located on each unit.

**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 NOA No. 23-0426.04 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Hely A. Melv 08/17/2023

NOA No. 23-0713.06 Expiration Date: 04/22/2029 Approval Date: 08/17/2023

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# Air Balance, a division of Mestek, Inc.

## NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

### 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

#### A. DRAWINGS

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 05-1206.03)
- 2. Drawing No. 1465, titled "A320 Louver System", sheets 1 through 15 of 15, dated 04/03/03, with revision C1 dated 02/26/19, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren. W. Schaefer, P.E. (Submitted under NOA No. 19-0306.04)

#### B. TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
  - 2) Large Missile Impact Test per FBC, TAS 201-94
  - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with marked-up drawings and installation diagram of an EA-64 Louver, prepared by Intertek, Test Report No. **J3223.01-109-18**, dated 02/26/19, signed and sealed by Daniel C. Culbert, P.E.

# (Submitted under NOA No. 19-0306.04)

	Test Report	Test Standard	<b>Test Date</b>	<b>Signature</b>	
2.	HTL 0198-0508-03	TAS 201,202 & 203	05/15-10/03	Vinu J. Abraham, P.E.	
3.	HTL.0198-0618-03	TAS 201, 202 & 203	06/06-25/03	Vinu J. Abraham, P.E.	
4.	HTL 0198-0804-03	TAS 201, 202 & 203	08/06-08/03	Vinu J. Abraham, P.E.	
5.	HTL 0198-0508-03	TAS 201, 202 & 203	05/08-13/03	Vinu J. Abraham, P.E.	
6.	HTL 0198-0804-03	TAS 201, 202 & 203	08/08-11/03	Vinu J. Abraham, P.E.	
7.	HTL 0198-0324-03	TAS 201, 202 & 203	03/24-26/03	Vinu J. Abraham, P.E.	
8.	HTL 0198-0324-03	TAS 201, 202 & 203	03/24-04/16	Vinu J. Abraham, P.E.	
9.	HTL 0198-0324-03	TAS 201, 202 & 203	03/24-24/03	Vinu J. Abraham, P.E.	
10.	HTL 0198-0324-03	TAS 201, 202 & 203	03/25-04/21	Vinu J. Abraham, P.E.	
11.	HTL 0198-0128-03	TAS 201, 202 & 203	02/10-04/21	Vinu J. Abraham, P.E.	
12.	HTL 0198-0508-03	TAS 202	05/13-13/03	Vinu J. Abraham, P.E.	
13.	HTL 0198-0324-03	TAS 202	03/27-27/03	Vinu J. Abraham, P.E.	
14.	HTL 0198-0324-03	TAS 201 & 203	03/24-04/21	Vinu J. Abraham, P.E.	
<b>15.</b>	HTL G198-0101-05	TAS 201, 202 & 203	02/15/05	Vinu J. Abraham, P.E.	
16.	AWV/AUI-011-02.01	TAS 100 (A)-95	05/13/08	Duc T. Nguyen, P.E.	
17.	ATI 45720.03-122-18	TAS 100 (A)-95	01/16/09	Joseph A. Reed, P.E.	
	(Submitted under NC	OA No. 08-1224.01)			

Helmy A. Makar, P.E., M.S. Product Control Section Supervisor

Product Control Section Supervisor NOA No. 23-0713.06

> Expiration Date: 04/22/2029 Approval Date: 08/17/2023

### Air Balance, a division of Mestek, Inc.

### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S (CONTINUED)
- C. CALCULATIONS
  - 1. Anchoring calculations dated 02/26/19, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (Submitted under NOA No. 19-0306.04)
- D. QUALITY ASSURANCE
  - 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS
  - 1. None.
- F. STATEMENTS
  - 1. Statement letter of code conformance to the FBC 6<sup>th</sup> Edition (2017) and FBC 7<sup>th</sup> Edition (2020), dated 06/03/20, issued by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (Submitted under NOA No. 20-0622.23)
  - 2. Statement letter of no financial interest, dated 02/26/19, issued by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (Submitted under NOA No. 19-0306.04)
- G. OTHERS
  - 1. Notice of Acceptance No. 19-0306.04, issued to Air Balance, a division of Mestek, Inc. for their Model A320 6" Aluminum Louver System (Dp  $\pm 180.0$  psf), approved on 04/25/19 and expiring on 04/22/24.
- 2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA#23-0426.04
- A. DRAWINGS
  - 1. Drawing No. 1465 titled "A320 6" Louver System", sheets 1 through 15 of 15, dated 12/02/05, with revision D1 dated 04/18/23, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren. W. Schaefer, P.E.
- B. TESTS
  - 1. None.
- C. CALCULATIONS
  - 1. None.
- D. QUALITY ASSURANCE
  - 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS
  - 1. None.

Fredmy A. Makar, P.E., M.S. Product Control Section Supervisor

NOA No. 23-0713.06

Expiration Date: 04/22/2029 Approval Date: 08/17/2023

### Air Balance, a division of Mestek, Inc.

### NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

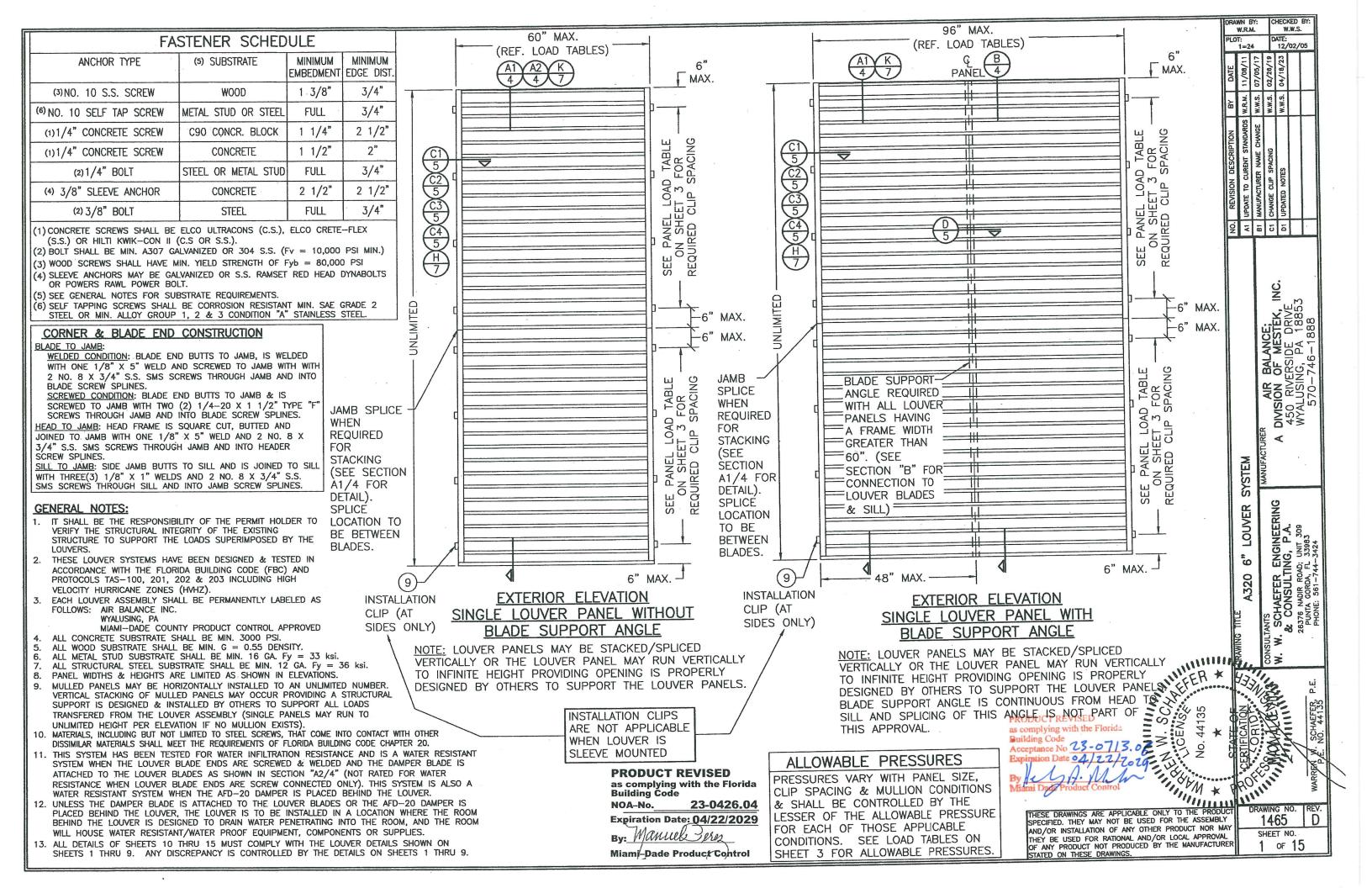
- F. STATEMENTS
  - 1. None.
- G. OTHERS
  - 1. Notice of Acceptance No. **20-0622.23**, issued to Air Balance, a division of Mestek, Inc. for their Model A320 6" Aluminum Louver System (Dp  $\pm$  180.0 psf) approved on 08/27/20 and expiring on 04/22/24.
- 3. NEW EVIDENCE SUBMITTED
- A. DRAWINGS
  - 1. None.
- B. TESTS
  - 1. None.
- C. CALCULATIONS
  - 1. None.
- D. QUALITY ASSURANCE
  - 1. Miami-Dade County Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS
  - 1. None.
- F. STATEMENTS
  - 1. Statement letter of code conformance to the **FBC** 7<sup>th</sup> **Edition (2020) and FBC** 8<sup>th</sup> **Edition (2023)**, dated 07/01/23, issued by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

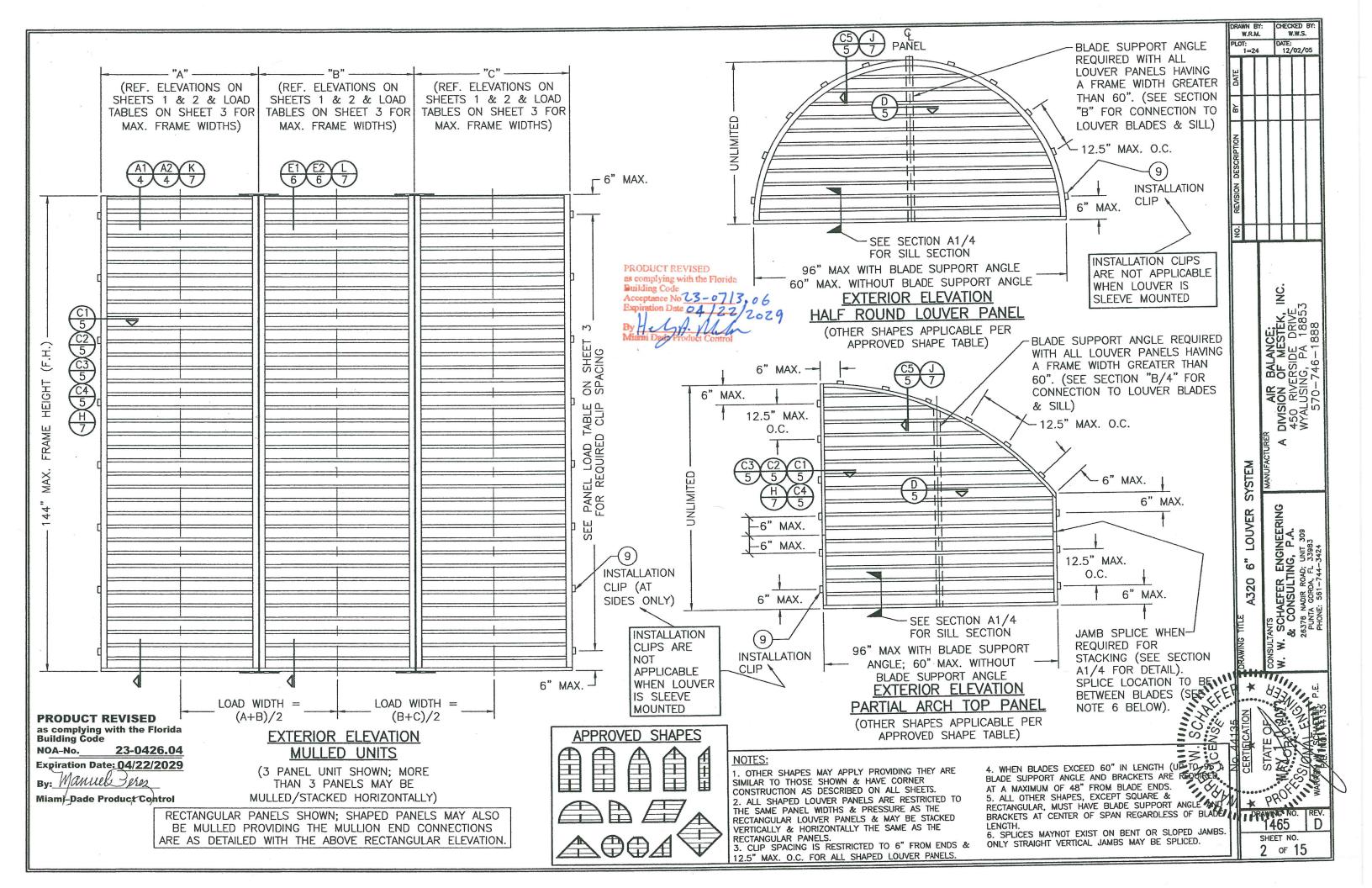
Helmy A. Makar, P.E., M.S.

**Product Control Section Supervisor** 

NOA No. 23-0713.06

Expiration Date: 04/22/2029 Approval Date: 08/17/2023





			A 44 19 1	1011 1 0	AD TABLE (C	CE INICIE	LICTION	C DELOW)						PANEL LOAD TABLE		DRAWN B W.R.M PLOT:	t. N	N.W.S.
			MULL	ION LOA	AD TABLE (S	7			Thurst 1904	1040	ALLOWABLE		-	DANEL (4) OI	IP (2) ALLOWABLE	1=24	12,	/02/05
ULLION SPAN (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MULLION SPAN (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MULLION SPAN (IN.)	LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (+/- PSF)	MULLION SPAN (IN.)	WIDTH (IN.)	PRESSURE (+/- PSF)	_		WIDTH SPACING PRESSURE WIDTH SPACE (IN.) (IN.) (+/- PSF) (IN.) (IN.)	CING PRESSURE I.) (+/- PSF)	DATE	$\prod$	
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24"	96" 90"	164.3 175.3		90"	70.1 75.1		90" 84"	50.1		90" 84"	35.1 37.6	NOTE: CLI SPACING	SHOWN	12.5" 154.3 78" 12.	5" / 92.3	TION		
- '	84"	180.0		78"	80.9		78"	57.8		78"	40.4	SHALL BE REDUCED	то	109.1		SCRIP		
	96" 131.5	131.5		72"	87.6		72"	62.6		72"	43.8 47.8	9.5" & 1		48" \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		DES		
	90"	140.2	60"	66"	95.6	84"	66"	68.3		66"	52.6	RESPECFL	JLLY	12.5" 106.7		VISION		
30"	)" 84"	150.2		60" 54"	105.2		60" 54"	75.1 83.5	120"	54"	58.4	WHEN SUBSTRAT	BOIRAIL	54" (20" 84.8 90 (20		Æ		
	78" 72"	161.8 175.3		48"	131.5		48"	93.9		48"	65.7			1 12.5 /1 00.0	.5" / 75.0	ġ.		
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	90" 116.9		30"	180.0		30"	150.2		30"	105.2	-		(20 )   69.4	·				
	84"	125.2		96"	59.8		24"	180.0		24" 18"	131.5 175.3			(1) ALL SHAPED LOUVER PANELS ARE RESTRICTED CLIP SPACING OF 12.5" OR 9.5" O.C. 20" & 1			NC NC	M
36"	78"	134.8		90"	63.7		96" 90"	41.1		96"	27.2	1		ONLY ALLOWED ON RECTANGULAR & SQUARE SHA		X	385 885	
	72"	146.1		84" 78"	68.3 73.5		84"	47.0		90"	29.0			ONLY ALLOWED ON RECTANGULAR & SQUARE SHA (2) PRESSURES RELATING TO 12.5" & 9.5" CLIP BE APPLICABLE TO ALL SLEEVE MOUNTED LOUVER	3171011100		Sign	88
	66"	159.3 175.3		72"	79.7		78"	50.6		84"	31.1					<b>,</b>	WAN MAN	PA PA
	54"	180.0		66"	86.9		72"	54.8		78"	33.5			LOAD TABLE NOTE (APPLICABLE TO MULLION & PANEL LOAD	TABLES):		AR P	JAG,
	96"	93.9	66"	60"	95.6		66"	59.8		72"	36.3			THE LESSER LOAD FROM THE MULLION LO	DAD TABLE &		ZZ.	50 RIVERSIDE DRIVE YALUSING, PA 18853 570—746—1888
	90"	100.2		54"	106.2	96" 60" 65.7 54" 73.0	41	66"	39.6	4		THE DANFI LOAD TABLE SHALL CONTROL	AS THE		Se	ALL 57		
	84"	107.3	]   .	48"	119.5		132"	60" 54"	43.6	-		ALLOWABLE FOR THE ENTIRE MULLED UNI			_ <u> </u>	4 ₹ 7		
	78"	115.6		42"	136.6		48"	82.2	-	48"	54.4	-					VREF	
42"	72"	125.2	11	36"	159.3		42" 36"	93.9	-	42"	62.2			PANEL WIDTH "A" PANEL WIDT	H "B"	≥	FACT	
	66"	136.6	<del> </del>	30" 96"	180.0 54.8	36 109.6 30" 131.5 24" 164.3 18" 180.0 96" 36.5			11	36"	72.6			PANEL PANEL CENTERLINE CENTERL	INE	SYSTEM	MANUFA	
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	48"	180.0	11	84"	62.6		180.0	]	24"	108.9					2	2		
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	84"	93.9		66"	79.7		84"	41.7		66" 60"	30.5 33.5	-{				ي ا		2 3 4 4 2 2 5 4
	78"	101.1	72"	60"	87.6		78" 72"	44.9		54"	37.3	-			AA A	0654		ULT
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	60"	119.5		42"	125.2	108"	60"	58.4	144"	42"	47.9				Z		ε <u>Υ</u>	S76 PUNT NOHO
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	48"	164.3		30"	175.3		48"	73.0		30"	67.1	_				SAWIII	CONSULTANTS W. W. SCH	
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3. DETE	ERMINE T	HE PANEL WID	TH "A" & '	B" AND T	THE MULLION <u>LC</u> THE ALLOWABLE	DAD WIDTH.	FOR TH	F RESPECTIVE	MULLION	By He	6A. M	/ · a	s complying v	with the Florida	-	SIB	4.0	STA!
SPAN	V CADIV	MIDTH .								Miami Da	Product Control		Building Code IOA-No.	23-0426.04 LOUVER ASSEMBLY		4	) Z	0)
5 GO	TO THE I	PANEL LOAD TA	ABLE AND	CHECK TH	IE ALLOWABLE F CTIONS 4 & 5	PRESSURE	FOR EACH	I PANEL WIDTH	Н.	*		E	xpiration Date	e: 04/22/2029		1	DRAWING	NO. RE
PEOI	URED DE	SIGN PRESSUR	F THE AS	SEMBLY IS	ACCEPTABLE.				חחרכטוויי	- TUC		В	sy: Manuel	& Perez		1/4	SHEET	NO. 188
7 IE A	AIV ALLO	WADIE DDECCH	DE UE INC	TRUCTIONS	S 4 & 5 ARE I SEMBLY SIZE O	ESS THAN	THE REC	QUIRED <u>DESIGN</u> DUCED AND IN	ISTRUCTION:	S FROM		IV	liami-Dade Pr	roduct Control			3	F 15
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