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MIAMI-DADE COUNTY 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

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

# **NOTICE OF ACCEPTANCE (NOA)**

American Warming & Ventilating, a division of Mestek, Inc. 7301 International Drive Holland, OH 43528

**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 LE-32 6" Aluminum Louver System (Dp  $\pm$  180.0 psf)

APPROVAL DOCUMENT: Drawing No. 1217, titled "LE-32 Louver System", sheets 1 through 15 of 15, dated 04/03/03, with revision E1 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 the 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 #23-0426.03 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. Melo 08/17/2023

NOA No. 23-0713.09 Expiration Date: 04/22/2029 Approval Date: 08/17/2023

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# American Warming & Ventilating, 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. 05-0328.01)
- 2. Drawing No. 1217, titled "LE-32 Louver System", sheets 1 through 15 of 15, dated 04/03/03, with revision D1 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. 19-0306.03)

#### 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 02/26/2019, signed and sealed by Daniel C. Culbert, P.E.

#### (Submitted under NOA No. 19-0306.03)

2. Test report on Wind and Wind-Driven Rain Resistance per TAS 100(A)-95 of their LE-32 Louver, prepared by PRI Construction Materials Technologies, LLC, and Report No. **AWV-007-02-02**, dated 04/28/08, signed and sealed by Duc T. Nguyen, P.E.

### (Submitted under NOA No. 08-1224.02)

	Test Report	Test Standard	<b>Test Date</b>	<b>Signature</b>
3.	HTL 0198-0508-03	TAS 201,202 & 203	05/15-10/03	Vinu J. Abraham, P.E.
4.	HTL.0198-0618-03	TAS 201, 202 & 203	06/06-25/03	Vinu J. Abraham, P.E.
5.	HTL 0198-0804-03	TAS 201, 202 & 203	08/06-08/03	Vinu J. Abraham, P.E.
6.	HTL 0198-0508-03	TAS 201, 202 & 203	05/08-13/03	Vinu J. Abraham, P.E.
7.	HTL 0198-0804-03	TAS 201, 202 & 203	08/08-11/03	Vinu J. Abraham, P.E.
8.	HTL 0198-0324-03	TAS 201, 202 & 203	03/24-26/03	Vinu J. Abraham, P.E.
9.	HTL 0198-0324-03	TAS 201, 202 & 203	03/24-04/16	Vinu J. Abraham, P.E.
10.	HTL 0198-0324-03	TAS 201, 202 & 203	03/24-24/03	Vinu J. Abraham, P.E.
11.	HTL 0198-0324-03	TAS 201, 202 & 203	03/25-04/21	Vinu J. Abraham, P.E.
12.	HTL 0198-0128-03	TAS 201, 202 & 203	02/10-04/21	Vinu J. Abraham, P.E.
13.	HTL 0198-0508-03	TAS 202	05/13-13/03	Vinu J. Abraham, P.E.
14.	HTL 0198-0324-03	TAS 202	03/27-27/03	Vinu J. Abraham, P.E.
15.	HTL 0198-0324-03	TAS 201 & 203	03/24-04/21	Vinu J. Abraham, P.E.
16.	ATI 01-45720.01	TAS 100 (A)-95	06/16/03	Joseph A. Reed, P.E.
	(Submitted under NC	OA No. 05-0328.01)		

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

Product Control Section Supervisor

NOA No. 23-0713.09 Expiration Date: 04/22/2029

Approval Date: 04/22/2029

Approval Date: 08/17/2023

# American Warming & Ventilating, 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. 19-0306.03)
- 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. 20-0622.19)
  - 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. 19-0306.03)
- G. OTHERS
  - 1. Notice of Acceptance No. **19-0306.03**, issued to American Warming & Ventilating, a division of Mestek, Inc. for their Model LE-32 6" Aluminum Louver System (Dp ±180.0 psf), approved on 04/25/19 and expiring on 04/22/24.
- 2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA #23-0426.03
- A. DRAWINGS
  - 1. Drawing No. 1464, titled "EA-64 Louver System", sheets 1 through 15 of 15, dated 12/02/05, with revision E1 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)

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

Product Control Section Supervisor

NOA No. 23-0713.09 Expiration Date: 04/22/2029

Approval Date: 08/17/2023

# American Warming & Ventilating, a division of Mestek, Inc.

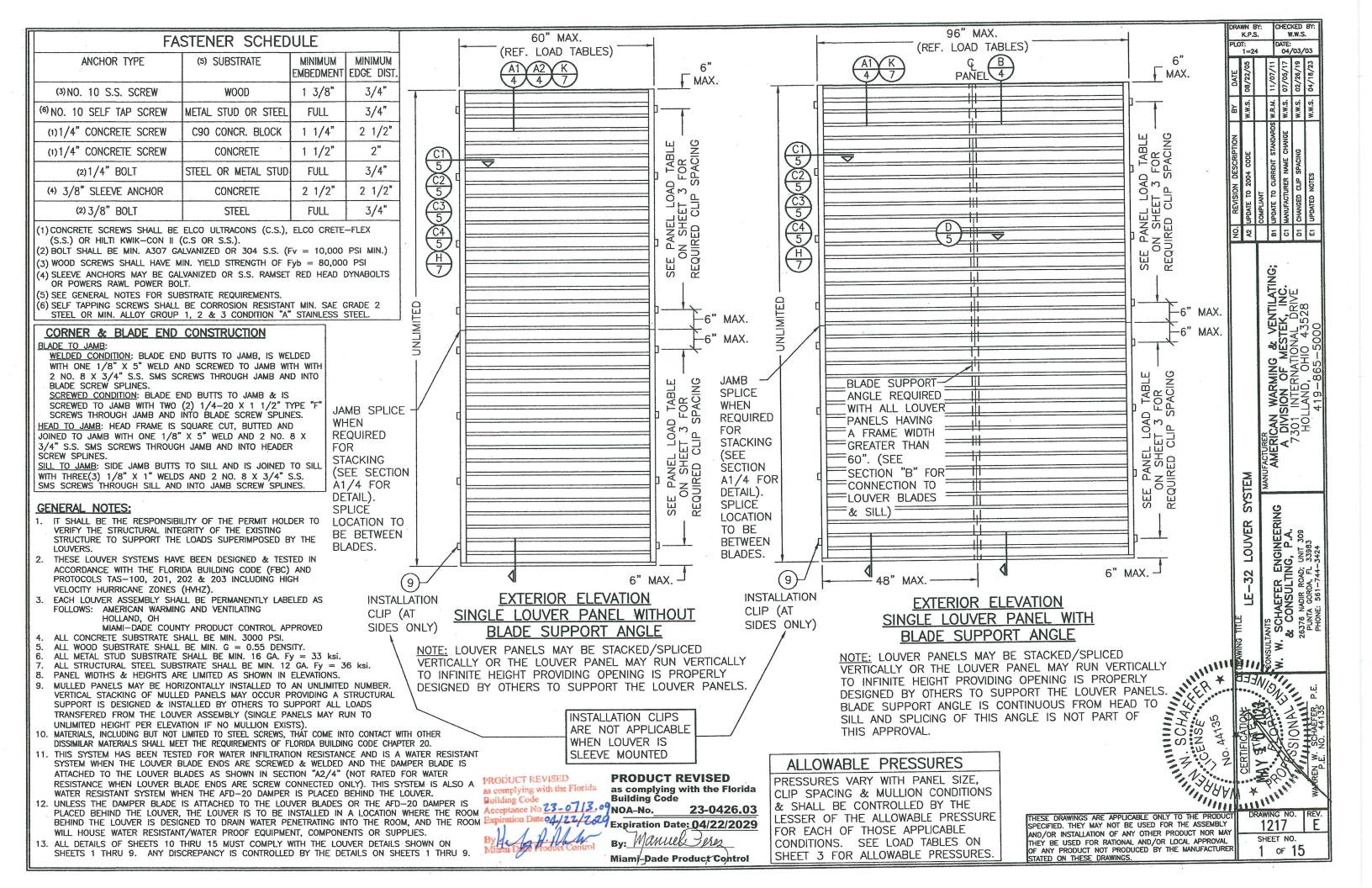
# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

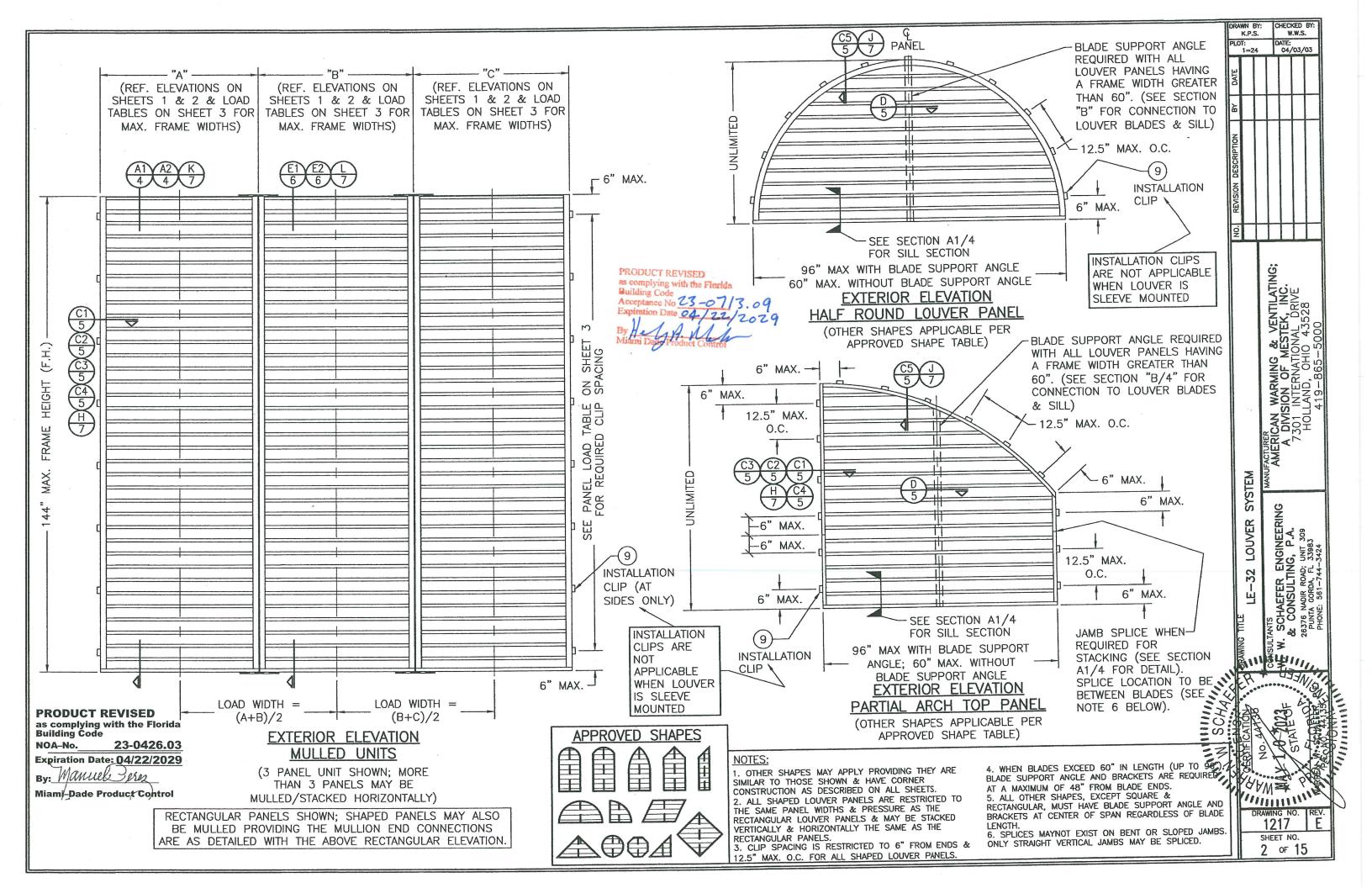
- E. MATERIAL CERTIFICATIONS
  - 1. None.
- F. STATEMENTS
  - 1. None.
- G. OTHERS
  - 1. Notice of Acceptance No. **20-0622.19**, issued to American Warming & Ventilating, a division of Mestek, Inc. for their Model LE-32 6" Aluminum Louver System (Dp  $\pm$  180.0 psf) approved on 08/20/20 and expiring 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 07/01/2023, 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. 23-0713.09

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





			MULLI	ON LOA	D TABLE (S	SEE INSTR	RUCTION	IS BELOW)					PANEL LOAD TABLE		
WULLION 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.)	LOAD WIDTH (IN.) 96"	ALLOWABLE PRESSURE (+/- PSF) 32.9		PANEL (1) CLIP (2) ALLOWABLE WIDTH SPACING PRESSURE (IN.) (12.5") 180.0 PANEL (1) CLIP SPACING PRESSIVE (IN.) (IN.) (IN.) (12.5" 100.		
18"	96" 96"	180.0		96" 90"	65.7 70.1		96" 90"	47.0 50.1		90"	35.1	NOTE: OUD	36" 12.5" 180.0 72" 12.5" 100. 63.6		
24"	90"	175.3		84"	75.1		84"	53.7		84"	37.6	NOTE: CLIP SPACING SHOWN	12.5" 154.3		
	84"	180.0		78"	80.9		78"	57.8		78"	40.4	SHALL BE REDUCED TO	109.1 (20") 58.		
	96"	131.5		72"	87.6		72"	62.6		72 <b>"</b> 66"	43.8 47.8	9.5" & 15"	48" 12.5" 120.0 84" 12.5" 85.0 20" 54.5		
	90" 84"	140.2	60"	66" 60"	95.6 105.2	84"	66" 60"	68.3 75.1		60"	52.6	RESPECFULLY	125" 1067 125" 80.0		
30"	78"	150.2 161.8		54"	116.9		54"	83.5	120"	54"	58.4	WHEN SUBSTRATE	54" \( \frac{12.5}{20"} \) \( \frac{100.7}{84.8} \) \( 90" \) \( \frac{12.5}{20"} \) \( 50.5 \)		
	72"	175.3		48"	131.5		48"	93.9		48"	65.7		90.0 96" \12.5" / 75.0		
	66"	180.0		42"	150.2		42"	107.3		42"	75.1		76.4		
	96"	109.6		36"	175.3		36"	125.2	,	36"	87.6 105.2		66" 12.5" 109.1		
	90"	116.9		30"	180.0		30" 24"	150.2 180.0		30" 24"	131.5		(20) 69.4		
	84" 78"	125.2 134.8		96" 90"	59.8 63.7	A	96"	41.1		18"	175.3		(1) ALL SHAPED LOUVER PANELS ARE RESTRICTED TO A FRAME CLIP SPACING OF 12.5" OR 9.5" O.C. 20" & 15" CLIP SPACIN		
36"	72"	146.1		84"	68.3		90"	43.8		96"	27.2		ONLY ALLOWED ON RECTANGULAR & SQUARE SHAPE LOUVERS.  (2) PRESSURES RELATING TO 12.5" & 9.5" CLIP SPACINGS SHA BE APPLICABLE TO ALL SLEEVE MOUNTED LOUVERS		
	66"	159.3		78"	73.5		84"	47.0		90"	29.0				
	60"	175.3	-	72"	79.7		78"	50.6		84"	31.1				
	54"	180.0	66"	66"	86.9		72"	54.8		78"	33.5 36.3		LOAD TABLE NOTE (APPLICABLE TO MULLION & PANEL LOAD TABLES):		
42"	96"	93.9		60"	95.6	oc"	66"	59.8 65.7	11	72" 66"	39.6	,	THE LESSER LOAD FROM THE MULLION LOAD TABLE &		
	90" 84"	100.2		54"	106.2 119.5	54" 73.0 48" 82.2 42" 93.9 36" 109.6 30" 131.5		-	60"	43.6	¥	THE PANEL LOAD TABLE SHALL CONTROL AS THE			
	78"	115.6		42"	136.6				132"	54"	48.4		ALLOWABLE FOR THE ENTIRE MULLED UNIT.  PANEL WIDTH "A" — PANEL WIDTH "B" —		
	72"	125.2		36"			42"	93.9		48"	54.4				
	66"	136.6		30"	180.0			109.6		42"	62.2		5.005		
.[	60"	150.2		96"	54.8					36"	72.6		PANEL PANEL CENTERLINE		
	54"	166.9		90"	58.4		24"	164.3		30"	87.1 108.9		OEMENE.		
	48" 96"	180.0 82.2		84" 78"	62.6 67.4		18" 96"	36.5	-	18"	145.2	-			
	90"	87.6	72"	72"	73.0	108"	90"	39.0		72"	28.0	1			
	84"	93.9		66"	79.7		84"	41.7		66"	30.5				
	78"	101.1		60"	87.6		78"	44.9		60"	33.5				
48"	72"	109.6		54"	97.4		72"	48.7		54"	37.3				
	66"	119.5		48" 42" 36" 30"	109.6		66" 60"	53.1 58.4	144"	48"	41.9				
-	60" 54"	131.5 146.1			125.2 146.1	108	54"	64.9		36"	55.9				
	48"	164.3			175.3	48" 73.0		30"	67.1	1					
	42"	180.0		24"	180.0		42"	83.5		24"	83.9				
							36"	97.4	l L	18"	111.8				
							30"	116.9	-						
				_		-	24" 18"	146.1		an annual	CT REVISED ying with the Florid	۵			
		D TABLE INS			1.010/50 4005	L	10	1 100.0	1	Building Acceptan	Code ce No 23-07/	3.09			
I. DETER 2. DETER	MINE RE	QUIRED <u>DESIGN</u> E REQUIRED <u>M</u> I	ULLION SPA	OF THE	E LOUVER ASSE	EMBLY. SEMBLY.				Expiration	n Date 04/22/	2029	MULLION "LOAD WIDTH"MULLION		
3. DETER	MINE TH	E <u>PANEL WIDTH</u> ULLION LOAD TA	1 "A" & "B	" AND TH	IE MULLION LO	DAD WIDTH.	FOR TH	F RESPECTIVE	MULLION	By He Miami D	GH. Well	PRODUCT	<b>REVISED</b> = $(A + B)/2$		
SPAN	LOAD WI	DTH.								avasemiss 2.	Troduct Control	Building Code			
5. GO T	THE PA	ANEL LOAD TAB LOWABLE PRES	<u>RLE</u> AND CH SURFS OF	IECK THE	ALLOWABLE F	RESSURE F ARE GREATE	OR EACH	I PANEL WIDTH THE				NOA-No.	23-0426.03 hte: 04/22/2029		
REQUI	RED DES	IGN PRESSURE,	THE ASSE	MBLY IS	ACCEPTABLE.				DDECCLIDE	TUE		By: Manue			
ASSEN	IBLY IS I	ABLE PRESSURE	E UNLESS	THE ASS	4 & 5 ARE L EMBLY SIZE O	LESS THAN R PRESSUR	THE REQ E IS REC	DUCED AND INS	TRUCTIONS	FROM		- 1	Product Control		
1 TO	7 ARE F	OLLOWED AGAIN	٧.									main pade i	10007 091101		

NUFACTURER
AMERICAN WARMING & VENTILATING;
A DIVISION OF MESTEK, INC.
7301 INTERNATIONAL DRIVE
HOLLAND, OHIO 43528
419—865—5000 SYSTEM . W. SCHAEFER ENGINEERING & CONSULTING, P.A. 26376 NADIR ROAD: UNIT 309 PUNTA GORDA, FL 33983 PHONE: 561-744-3424 LE-32 LOUVER MULLION SPAN WATERS AND

> SHEET NO. 3 of 15

CHECKED BY: W.W.S.

DATE: 04/03/03

DRAWN BY: K.P.S.

1=24

