

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

Arrow United Industries 314 Riverside Drive P. O. Box 69 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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade county Product Control Division 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: 6"Louver System Model EA 64.

APPROVAL DOCUMENT: Drawing No.1464, titled "EA-64 Louver System" dated 12/02/05 with no revisions, prepared by W.W. Schaefer Engineering & consulting, PA., signed and sealed by W. W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", 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 is a Private Label of NOA # 05-0328.01 consisting of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by Candido F. Font PE.

NOA No: 05-1206.04 Expiration Date: April 22, 2009 Approval Date: May 26, 2006

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# NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

#### A. DRAWINGS.

 Drawing prepared by W.W. Schaefer Engineering & consulting P.A., titled "EA-64 Louver System" Drawing No. 1464, dated 12/02/05, with no revisions signed and sealed by W. W. Schaefer, PE.

### B. TESTS.

## C. CALCULATIONS.

- Allowable Load Calculations, dated 09/04/03 pages 1 through 11 of 11 prepared by W.W. Schaefer Engineering and Consulting PA, signed and sealed by W.W. Schaefer, PE.
- 2. Allowable Load Calculations, dated 03/04/04, pages 1 through 6 prepared by W.W. Schaefer Engineering & Consulting PA, signed and sealed by W.W. Schaefer PE.
- 3. Revised Allowable Load Calculations dated 09/04/03 and revised on 08/22/05, page 1 through 11 prepared by W.W. Schaefer Engineering & Consulting PA, signed and sealed by W.W. Schaefer PE.

## D. QUALITY ASSURANCE.

1. Miami-Dade Product Control Division

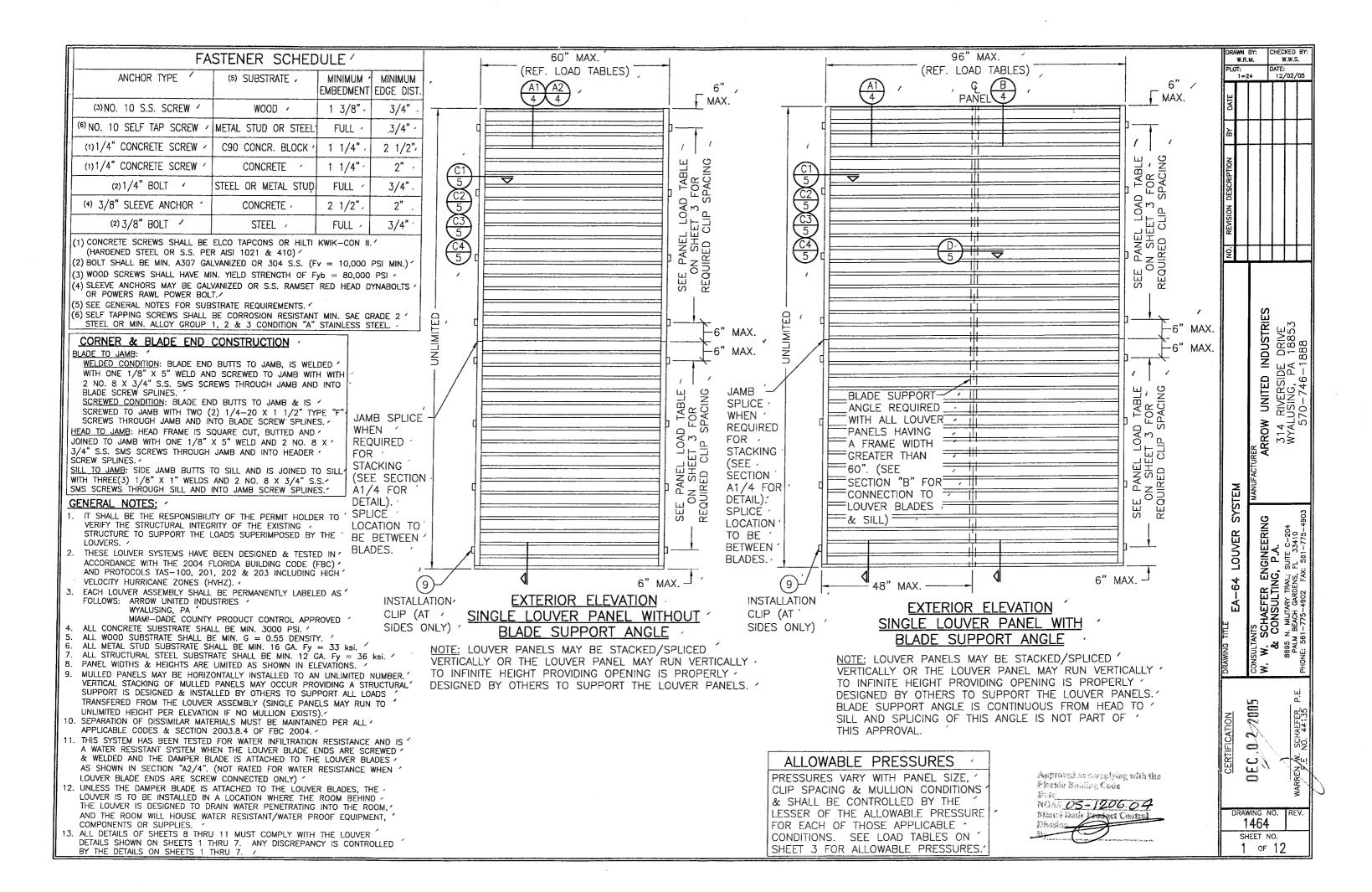
#### E. STATEMENTS

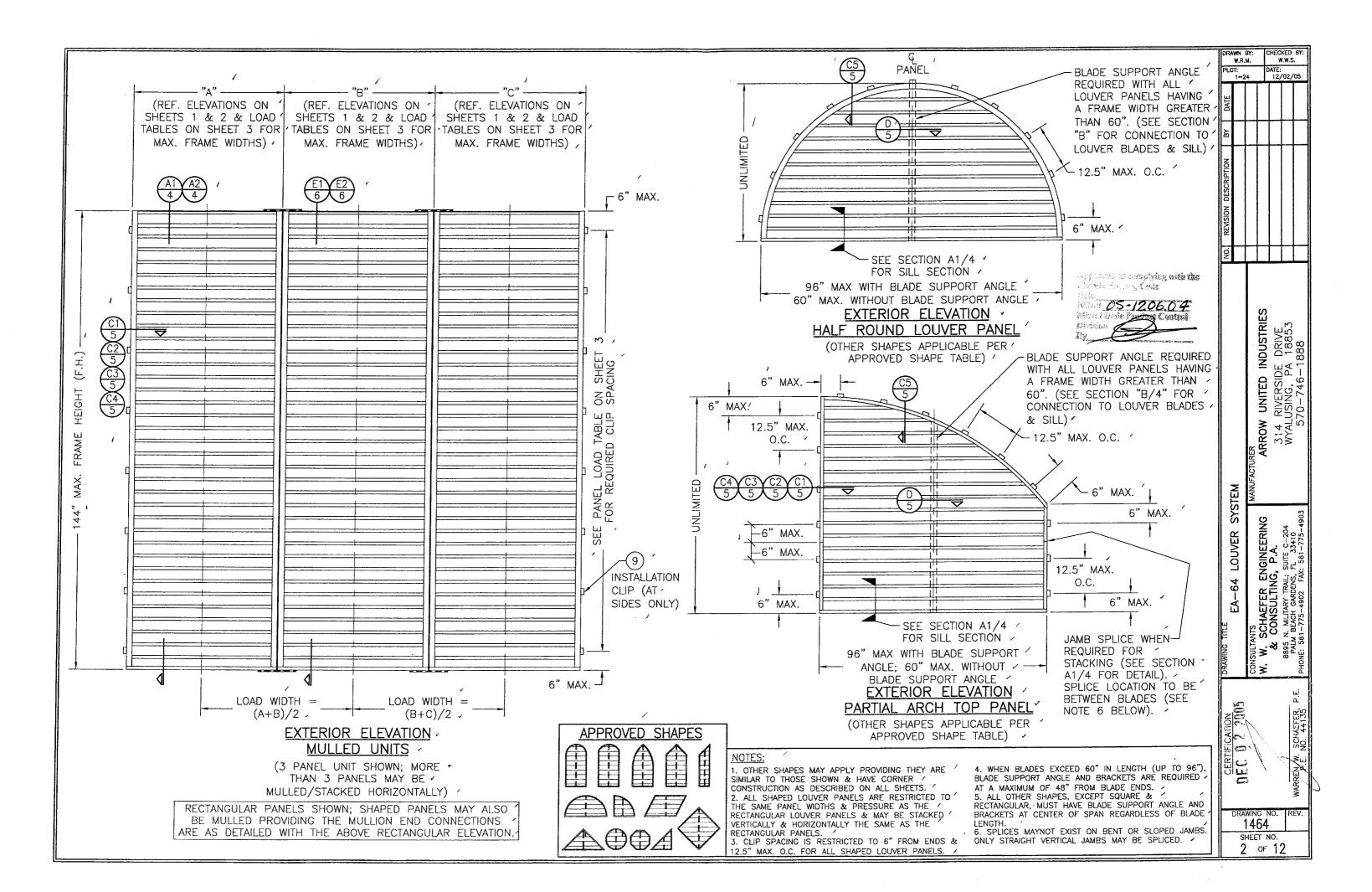
- No financial interest letter issued by W.W. Schaefer Engineering & Consulting PA on 09/22/03 signed and sealed by W. W. Schaefer, PE.
- Code compliance letter issued by W.W. Schaefer Engineering & Consulting PA on 09/22/03 signed and sealed by W. W. Scheafer PE.
   Test compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter issued by Hypricana Test I. I. and the compliance letter is the compliance letter i
- Test compliance letter issued by Hurricane Test Laboratory on 09/09/03, signed and sealed by V.J. Abraham, PE.
- 4. Private Labeling Agreement between American Warming and Ventilating and Arrow United Industries, signed by R. Lichtenwald and V. Kreglewicz, both signatures were notarized.

Candido F. Font PE.

Sr. Product Control Examiner NOA No 05-1206.04

Expiration Date: April 22, 2009 Approval: Date: May 26, 2006





			М	ULL	ION LOA	AD TABLE (S	E	E INSTR	RUCTION	NS BELOW)				
MULLION SPAN (IN.) /	LOAD WIDTH (IN.)	(1) ALLOWABLE (2) PRESSURE (PSF) /	MUL SP (IN	AN	LOAD WIDTH (IN.)	(1) ALLOWABLE (2) PRESSURE (PSF)		MULLION SPAN (IN.)	LOAD WIDTH (IN.)	(1) ALLOWABLE (2) PRESSURE (PSF)		MULLION SPAN (IN.)	LOAD WIDTH (IN.)	(1) ALLOWABLE (2) PRESSURE (PSF)
18"	96"	180.0 ,	- <u>`</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	96".	65.7	t		96" /	47.0	ı		96",	32.9
	96",	164.3 /			90"	70.1 ,	-	ļ	90",	50.1			90"	35.1
24"	90",	175.3			84"	75.1			84",	53.7 /			84"	37.6
,	84",	180.0	1,		78".	80.9 /	1		78"	57.8		Ī	78" /	40.4
	96",	131.5	1 '		72" :	87.6	1		72"	62.6 ′			72"	43.8
	90" ,	140.2	60	" [	66"	95.6		84"	66"	68.3		120"	66"	47.8
30"	84"	150.2			60" -	105.2	04	04	60"	75.1 /	1		60"	52.6
30	78" 🕖	161.8	1	[	54"	116.9			54"	83.5		120	54"	58.4
	72" -	175.3			48"	131.5			48"	93.9 ′			48" .	65.7
	66"	180.0 /			42" ·	150.2 ′			42"	107.3 /			42",	75.1
	96" /	109.6			36" /	175.3 -			36" ·	125.2			36"	87.6
	90"	116.9 /			30" '	180.0 ′			30"	150.2		L	30",	105.2
1 , 1	84" ,	125.2			96" /	59.8			24"	180.0			24"	131.5
36"	78 <b>"</b> /	134.8	1		90" /	63.7			96" 🗸	41.1			18",	175.3
	72" -	146.1			84" /	68.3			90"	43.8 ′			96"	27.2
	66"	159.3			78" ·	73.5		L	84"	47.0			90",	29.0 '
	60" ·	175.3 ′		]_	72" /	79.7	1		78"	50.6			84"	31.1
	54" /	180.0	66	,	66"	86.9		L	72"	54.8			78"	33.5
	96" /	93.9 ,		L	60"	95.6		'	66"	59.8		L	72"	36.3
	90" ′	100.2 /			54" ·	106.2	96	96"	60"	65.7		132"	66"	39.6
	84"	107.3		-		119.5			54"	73.0 ′			60"	43.6
'	78"	115.6		-	42"	136.6			48" -	82.2 /	1		54"	48.4
42"	72" -	125.2			36"	159.3		L	42" /	93.9		48"	54.4	
-	66" /	136.6 /			30"	180.0			36"	109.6			42" -	62.2
-	60".	150.2		L	96"	54.8		_	30",	131.5	l		36"	72.6
	54",	166.9 /		L	90"		-	24" /	164.3 /		-	30",	87.1	
ļ	48".	180.0		-	84"	62.6	L		18",	180.0		-	24",	108.9
	96"	82.2 ′		-	78",	67.4			96"	36.5	L		18",	145.2
-	90" -	87.6	,	-	72" ,	73.0		<u> </u>	90",	39.0		-	72",	28.0
1 ,	84",	93.9	,	.  -	66",	79.7	-	84",	41.7		-	66",	30.5	
'	78" -	101.1	72"	-	60" /	87.6		_	78"	44.9		,	60"	33.5
48" -	72",	109.6		F	54"	97.4			72"′	48.7		'  -	54",	37.3
-	66"	119.5		-	48" '	109.6	108	100"	66"	53.1	144"	48"	41.9	
-	60" · 54"	131.5		-	42" ·	125.2		108"	60"/	58.4			42"	47.9
-	48"	146.1		-	36" ·	146.1			54"/	64.9			36"	55.9
-		164.3		-	30"	175.3			48"	73.0			30".	67.1
L	42"	180.0			24"	180.0			42",	83.5			24"	83.9
									36"/	97.4	L		18"	111.8
I OAD TA	RIF IN	ISTRUCTIONS	<b>3</b> ∙′					-	30"	116.9				
LUAU IA	NULL IN	<u> </u>	<u>).</u>					L	24"	146.1				

180.0

MULLION	LOAD	TABLE	INST	RUCTIONS:	_

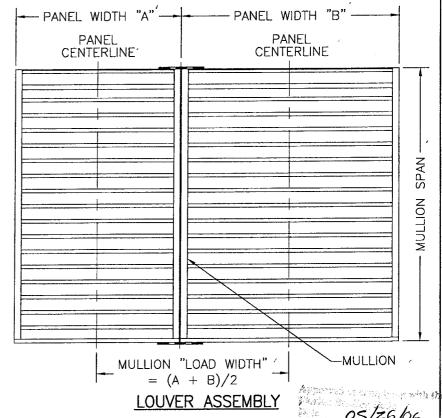
- DETERMINE REQUIRED <u>DESIGN PRESSURE</u> OF THE LOUVER ASSEMBLY.
   DETERMINE THE REQUIRED <u>MULLION SPAN</u> OF THE LOUVER ASSEMBLY.
- 3. DETERMINE THE <u>PANEL WIDTH</u> "A" & "B" AND THE MULLION <u>LOAD WIDTH</u>.
  4. GO TO THE <u>MULLION LOAD TABLE</u> AND CHECK THE ALLOWABLE PRESSURE FOR THE RESPECTIVE <u>MULLION</u> < SPAN/LOAD WIDTH. -
- 5. GO TO THE PANEL LOAD TABLE AND CHECK THE ALLOWABLE PRESSURE FOR EACH PANEL WIDTH.
- 6. IF ALL THE ALLOWABLE PRESSURES OF INSTRUCTIONS 4 & 5 ARE GREATER THAN THE -REQUIRED DESIGN PRESSURE, THE ASSEMBLY IS ACCEPTABLE.
- 7. IF ANY ALLOWABLE PRESSURE OF INSTRUCTIONS 4 & 5 ARE LESS THAN THE REQUIRED DESIGN PRESSURE, THE ASSEMBLY IS NOT ACCEPTABLE UNLESS THE ASSEMBLY SIZE OR PRESSURE IS REDUCED AND INSTRUCTIONS FROM 1 TO 7 ARE FOLLOWED AGAIN. /

	PANEL LOAD TABLE									
PANEL WIDTH (IN.)	(3) CLIP SPACING (IN.)	(1) ALLOWABLE (2) PRESSURE (PSF)	PANEL WIDTH (IN.)	(3) CLIP SPACING (IN.)	(1) ALLOWABLE (2) PRESSURE (PSF) ,					
70"	12.5"	180.0	72",	12.5"	100.0					
36"	20" /	127.3	12	20"	63.6					
42"	12.5",	154.3	78"	12.5"	92.3					
42	20"	109.1 /	/0	20"	58.7					
40"	12.5"	120.0	84"	12.5"	85.0					
48",	20"	95.5	04	20"	54.5 🗸					
54",	12.5"	106.7	90"	12.5"	80.0					
54 /	20"	20" 84.8		20" ′	50.9 ′					
60"	12.5"	90.0 ,	96"	12.5"	75.0					
00 /	20"	76.4 ′	30	20" /	47.7					
66" (	12.5"	109.1								
00	20" /	69.4								

NOTE: ALL SHAPED LOUVER PANELS ARE RESTRICTED TO A FRAME CLIP SPACING OF 12.5" O.C. 20" CLIP SPACING IS ONLY ALLOWED ON RECTANGULAR & SQUARE SHAPE LOUVERS.

LOAD TABLE NOTES (
(APPLICABLE TO MULLION & PANEL LOAD TABLES): 1) ALLOWABLE PRESSURE IS BOTH POSITIVE & NEGATIVE.

2) THE LESSER LOAD FROM THE MULLION LOAD TABLE & THE PANEL LOAD TABLE SHALL CONTROL AS THE ALLOWABLE FOR THE ENTIRE MULLED UNIT. 4



CTURER
ARROW UNITED INDUSTRIES
314 RIVERSIDE DRIVE
WYALUSING, PA 18853
570-746-1888 SYSTEM EA-64 LOUVER

CHECKED BY: W.W.S.

DATE: 12/02/05

RAWN BY: W.R.M.

1464 SHEET NO.

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