



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**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)

**Industrial Louvers Inc.
511 South 7th Street
Delano, MN 55328**

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: 653 XPDC 6" Drainable Blade Louver.

APPROVAL DOCUMENT: Drawing No.1014, titled "653XPDC 6" Drainable Blade Louver" dated 01/18/01 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 Renewal stamp with the NOA number and expiration 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 renews of NOA # 01-0215.03 consisting of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido E. Font PE.**

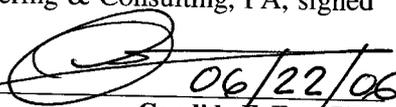
[Handwritten Signature]
06/22/06

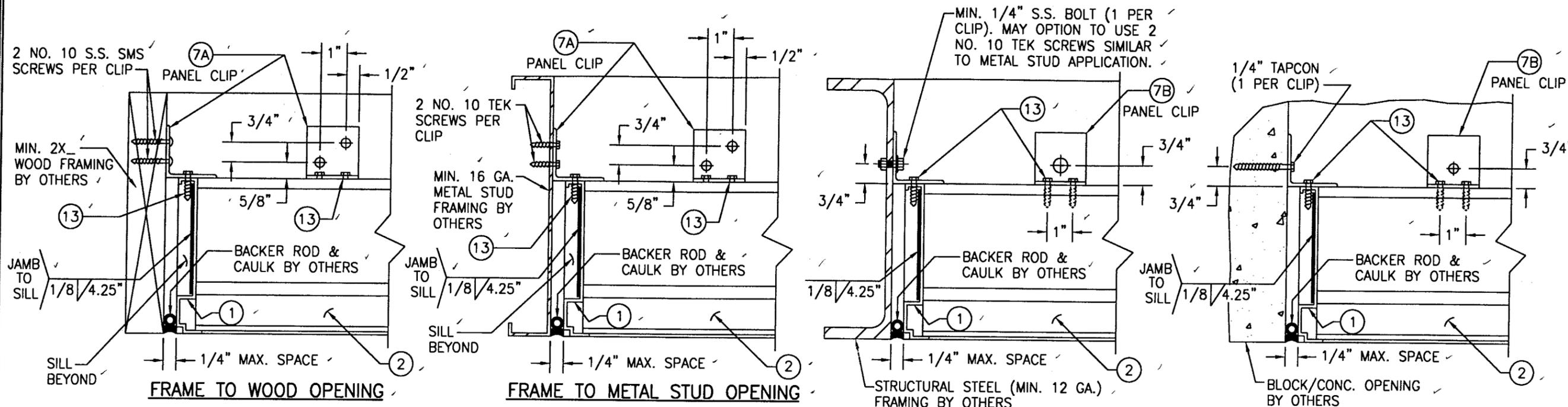


**NOA No: 05-0913.02
Expiration Date: June 28, 2007
Approval Date: June 22, 2006
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS.**
1. Drawing prepared by W. W. Schaefer Engineering & Consulting, P.A., titled "653XPDC 6" DRAINABLE BLADE LOUVER" Drawing No. 1014, dated 01/18/01 with no revisions, signed and sealed by W. W. Schaefer, PE.
- B. TESTS.**
1. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203, and Uniform Static Air Pressure Test per PA 202 of "653XPDC 6" DRAINABLE BLADE LOUVER", No. specimens 1, 4, & 5, prepared by Hurricane Test Laboratory, Inc., report No. 0236-0103-01, dated 01/4, 5, & 8/2001, signed and sealed by V. J. Abraham, PE
 2. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 of "653XPDC 6" DRAINABLE BLADE LOUVER", specimen 1, prepared by Hurricane Test Laboratory, Inc., report No. 0236-1018-00, dated 10/26/00, signed and sealed by V. J. Abraham, PE.
 3. Test report on Uniform Static Air Pressure Test per PA 202 of "653XPDC 6" DRAINABLE BLADE LOUVER", specimen 2, prepared by Hurricane Test Laboratory, Inc., report No. 0236-0103-01, dated 01/03/01, signed and sealed by V. J. Abraham, PE.
 4. Revision to test report NO. 01-0215.03, prepared by Hurricane Testing Laboratory, Inc., dated 04/21/2001, signed and sealed by V. J. Abraham, PE.
- C. CALCULATIONS.**
1. Louver Blade, Mullion & Support Calculations of Industrial Louvers, 653XP 6", dated 01/22/01, pages 1 to 17 of 17, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed, dated and sealed by W. W. Schaefer, PE.
 - 2.
- D. QUALITY ASSURANCE.**
1. Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS.**
1. Extrusions drawings No. 60-021562-06B/12B, 16B/28B, prepared by Ruskin Manufacturing, on 04/22/98 & 04/23/98, signed and sealed by E. P. Hutson, PE.
 2. Product Approval Notice of Acceptance No. 97-1023.04, issued by Miami-Dade County on 07/09/98, signed by C. D. PE.
- F. STATEMENTS**
1. Test compliance letter issued by Hurricane Test Laboratory, Inc., on 02/08/01, signed, dated and sealed by V. J. Abraham, PE.
 2. Code compliance letter issued by W. W. Schaefer Engineering & Consulting, PA on 02/24/01, signed and sealed by W. W. Schaefer, PE.
 3. No financial Interest letter issued by W. W. Schaefer Engineering & Consulting, PA, signed and sealed W. W. Schaefer, PE.

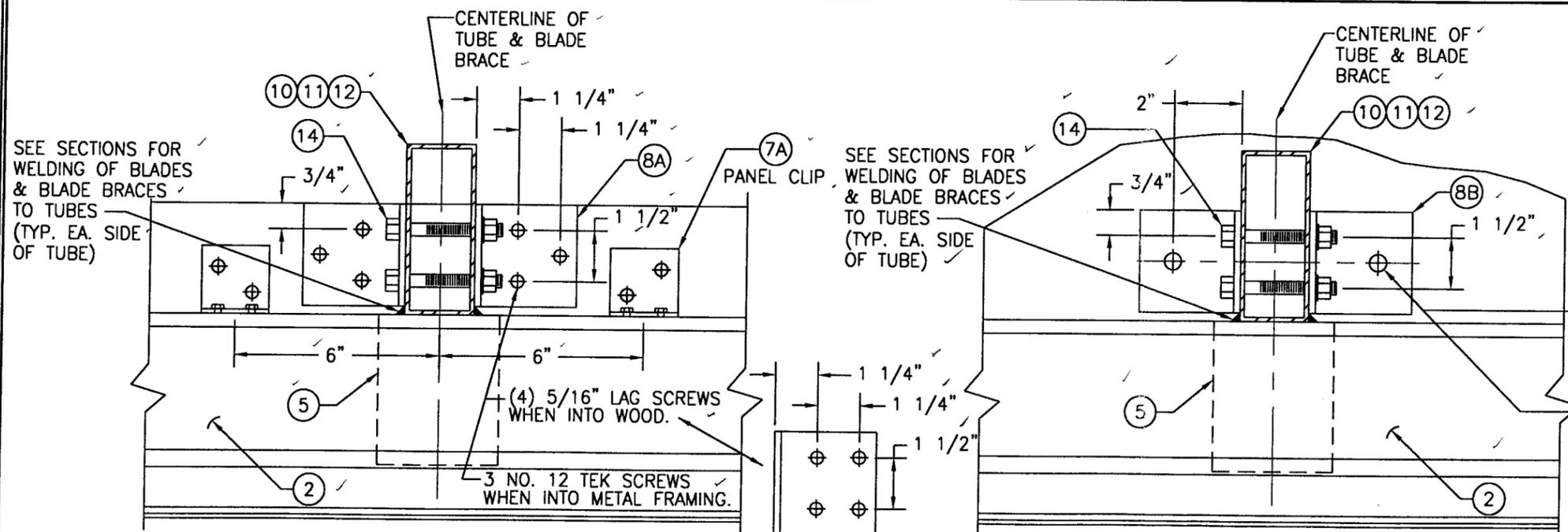

06/22/06
Candido F. Font PE.
Sr. Product Control Examiner
NOA No 05-0913.02
Expiration Date: June 28, 2007
Approval: Date: June 22, 2006



SEE SHEET 4 FOR INSTRUCTION OF JOINING FRAME CORNERS

SECTIONS **A**
SCALE: 3"=1'-0"

SEE FASTENER SCHEDULE ON SHEET 1 FOR FASTENER EMBED & EDGE DISTANCE REQUIREMENTS.



REINFORCEMENT BAR TO WOOD OR METAL FRAME SILL/HEAD

REINFORCEMENT BAR TO STRUCTURAL STEEL OR CONCRETE SILL/HEAD

SECTIONS **B**
SCALE: 3"=1'-0"

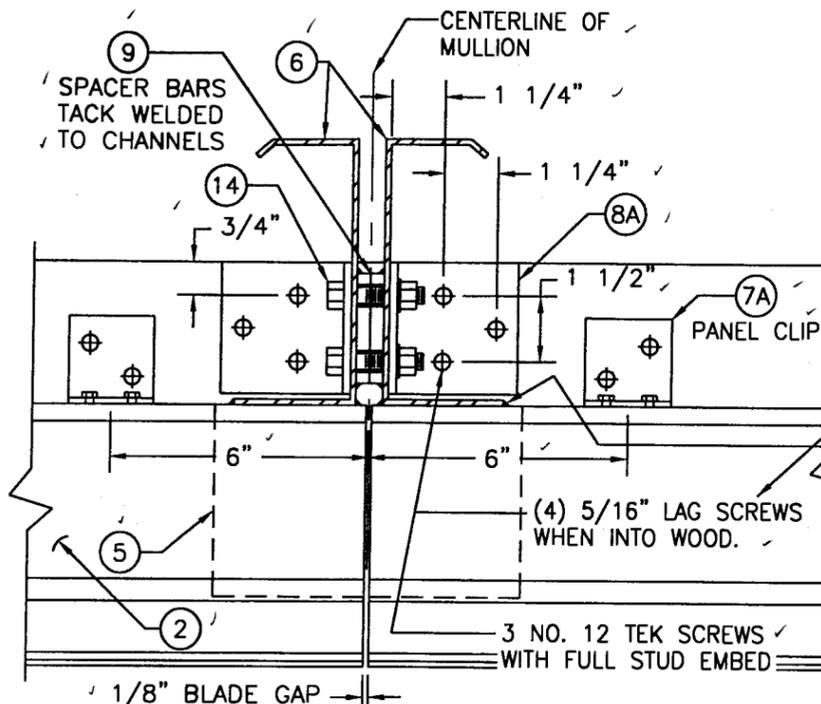
NOTE: NO FRAME CLIPS ARE REQUIRED ON EITHER SIDE OF THE REINFORCEMENT BAR (REF. SHEET 1)

1/2" X MIN. 4 1/4" GALV. WEDGE ANCHOR WHEN INTO CONCRETE. READ HEAD NO. WS-1242G

1/2" GALV. A307 OR S.S. BOLT WHEN TO STEEL (MAY OPTION TO CONNECT TO STEEL WITH 3 NO. 12 TEK SCREWS SAME AS TO METAL FRAMING)

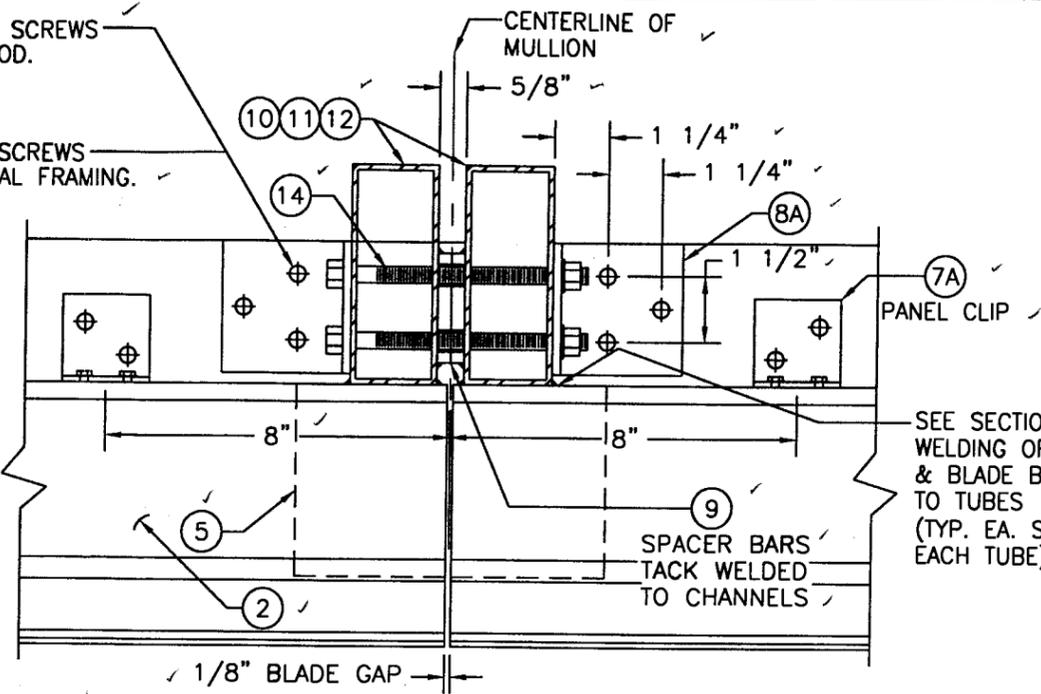
PRODUCT REVIEWED as complying with the Florida Building Code
 Acceptance No. 05-0913/02
 Expiration Date 06/28/07
 APPROVED AS NOTIFIED OVER THE SOUTH FLORIDA BUILDING CODE
 JUN 28 2001
 01-0215.03

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 01/18/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 653XPDC 6" DRAINABLE BLADE LOUVER	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	MANUFACTURER INDUSTRIAL LOUVERS, INC.
600 SANDTREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903	511 SOUTH 7TH STREET DELANO, MN 55328 763-972-2981
CERTIFICATION MAY 11 2001	APPROVED AS NOTIFIED OVER THE SOUTH FLORIDA BUILDING CODE JUN 28 2001
DRAWING NO. 1014	REV.
SHEET NO. 2 OF 7	

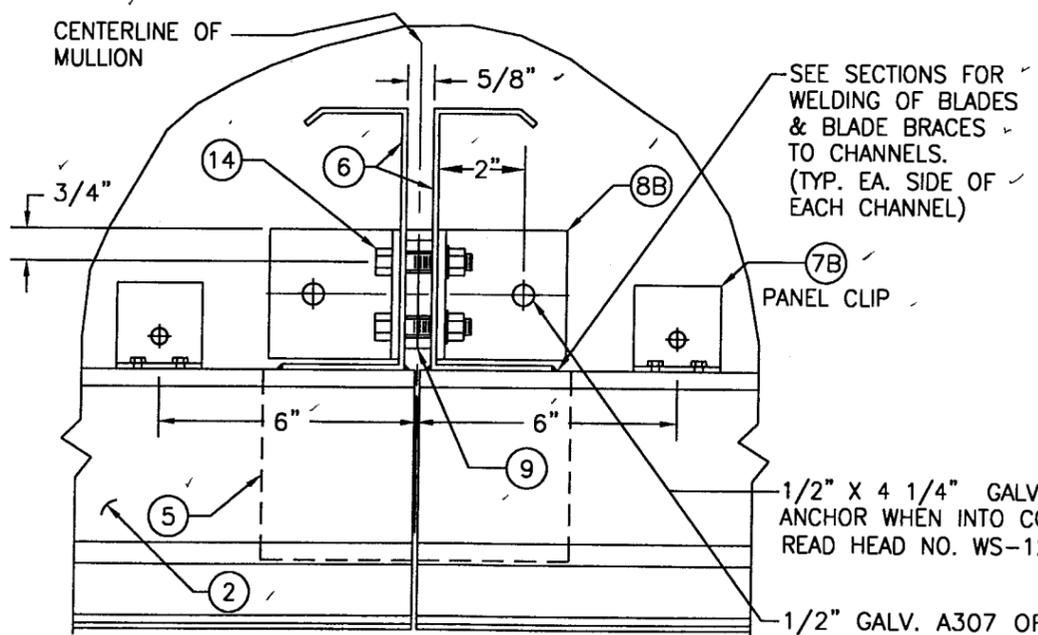


DOUBLE CHANNEL MULLION TO WOOD OR METAL FRAME SILL/HEAD
 FOR CONNECTION OF BLADES TO MULLION, SEE "TYPICAL BLADE TO MULLION CONNECTION DETAIL" & SECTION "E" FOR DETAIL.

SEE FASTENER SCHEDULE ON SHEET 1 FOR FASTENER EMBED & EDGE DISTANCE REQUIREMENTS.



DOUBLE TUBE MULLION TO WOOD OR METAL FRAME SILL/HEAD
 FOR CONNECTION OF BLADES TO MULLION, SEE "TYPICAL BLADE TO MULLION CONNECTION DETAIL" & SECTION "E" FOR DETAIL.



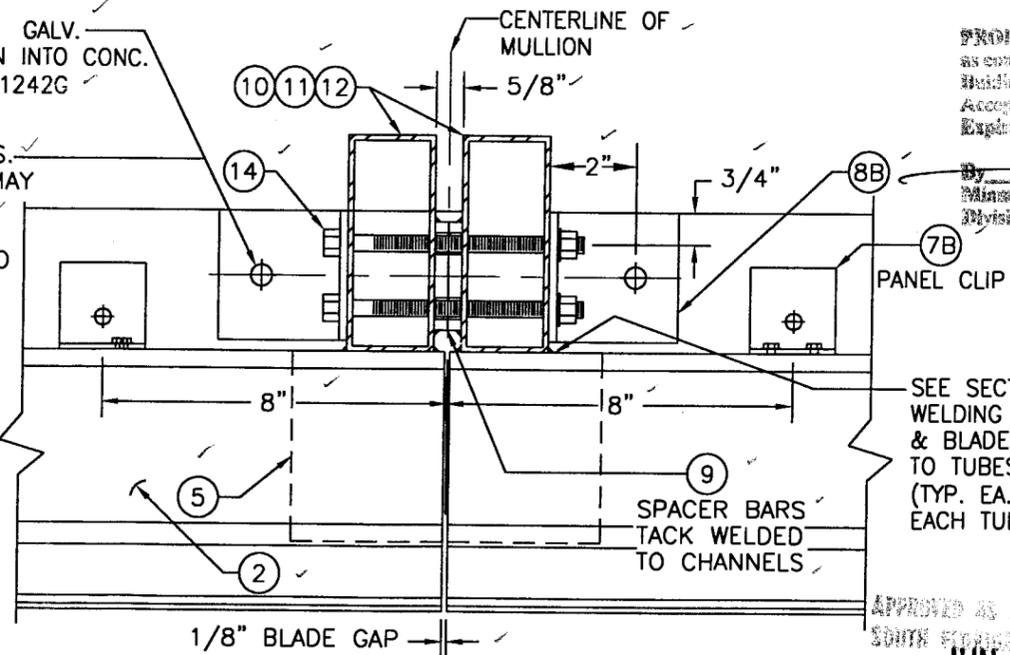
DOUBLE CHANNEL MULLION TO STRUCTURAL STEEL OR CONCRETE SILL/HEAD
 FOR CONNECTION OF BLADES TO MULLION, SEE "TYPICAL BLADE TO MULLION CONNECTION DETAIL" & SECTION "E" FOR DETAIL.

SEE SECTIONS FOR WELDING OF BLADES & BLADE BRACES TO CHANNELS. (TYP. EA. SIDE OF EACH CHANNEL)

1/2" X 4 1/4" GALV. WEDGE ANCHOR WHEN INTO CONCRETE. READ HEAD NO. WS-1242G

1/2" GALV. A307 OR S.S. BOLT WHEN TO STEEL (MAY OPTION TO CONNECT TO STEEL WITH 3 NO. 12 TEK SCREWS SAME AS TO METAL FRAMING)

SECTIONS C 3
 SCALE: 3"=1'-0"



DOUBLE TUBE MULLION TO STRUCTURAL STEEL OR CONCRETE SILL/HEAD
 FOR CONNECTION OF BLADES TO MULLION, SEE "TYPICAL BLADE TO MULLION CONNECTION DETAIL" & SECTION "E" FOR DETAIL.

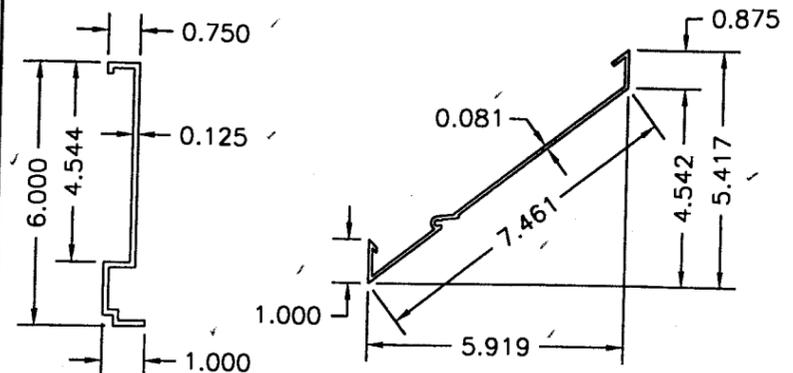
PRODUCT REVIEWED as complete with the Florida Building Code Acceptance No. 05-0913.02 Expiration Date 06/28/07

By: [Signature] Minimal Made Product Control Division

APPROVED AS SHOWN WITH THE SOUTH FLORIDA BUILDING CODE DATE JUN 28 2001

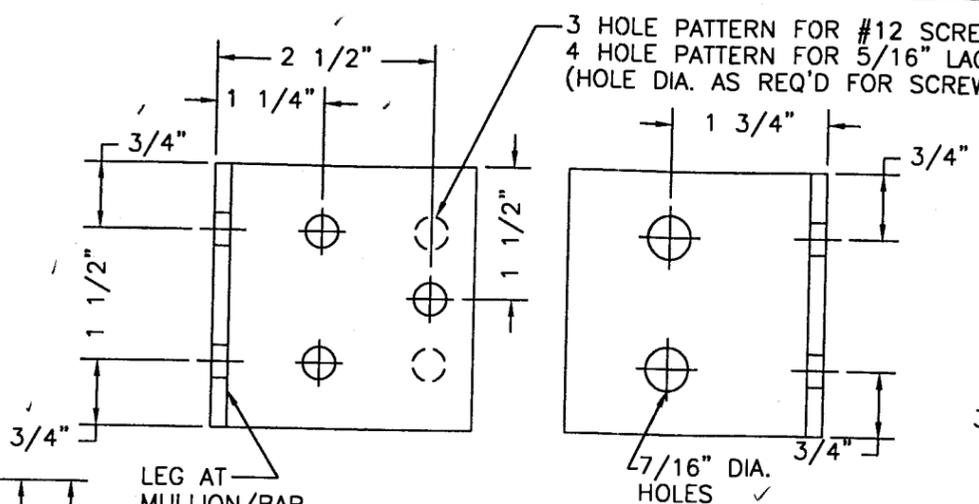
01-0215.03

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 01/18/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 653XPDC 6" DRAINABLE BLADE LOUVER	
MANUFACTURER INDUSTRIAL LOUVERS, INC.	511 SOUTH 7TH STREET DELANO, MN 55328 763-972-2981
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	600 SANDREE DRIVE, SUITE 203B PALM BEACH GARDENS, FL 33403 PHONE: 561-775-4902 FAX: 561-775-4903
CERTIFICATION MAY 11 2001	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1014	REV.
SHEET NO. 3	OF 7

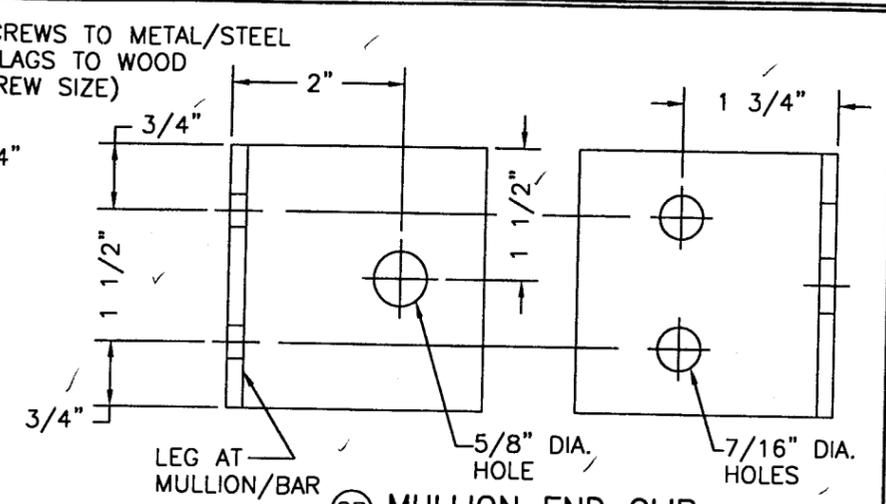


① **SIDE JAMB**
6063-T6 ALUMINUM

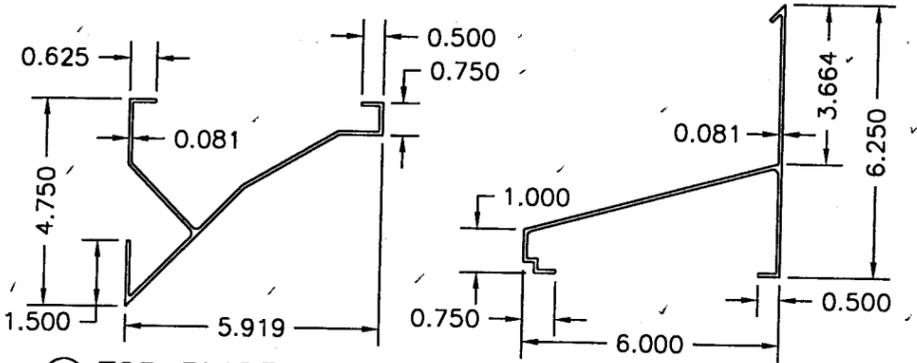
② **MAIN BLADE**
6063-T6 ALUMINUM



⑧A **MULLION END CLIP**
6061-T6 OR 6005-T5 ALUMINUM
L3X3X3/16 (3" LONG)

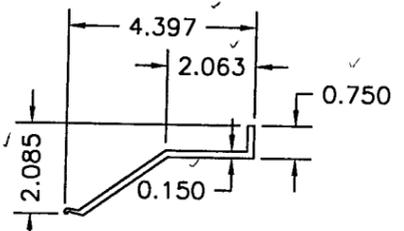


⑧B **MULLION END CLIP**
6061-T6 ALUMINUM
L3X3X3/16 (3" LONG)

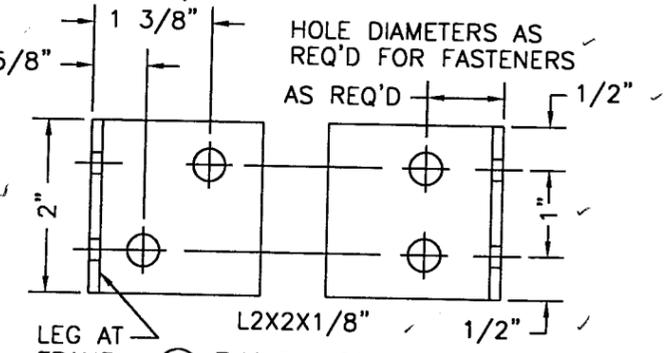


③ **TOP BLADE**
6063-T6 ALUMINUM

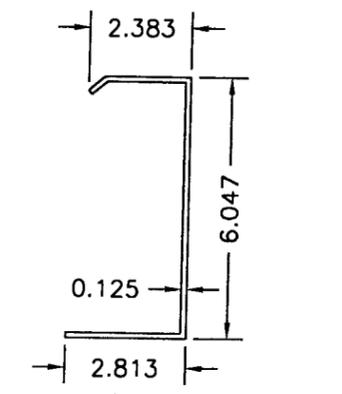
④ **SILL**
6063-T6 ALUMINUM



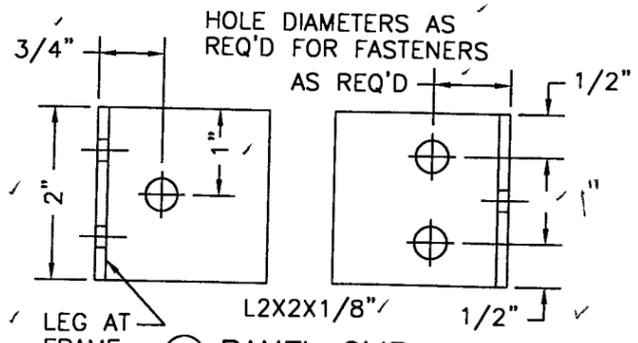
⑤ **BLADE BRACE**
6063-T6 ALUMINUM
(3.5" LONG)



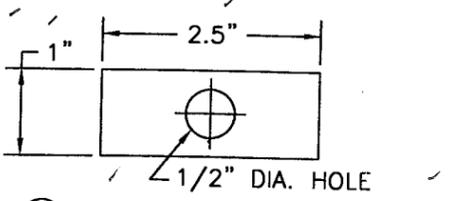
⑦A **PANEL CLIP**
6061-T6 ALUMINUM



⑥ **CHANNEL MULLION**
6063-T6 ALUMINUM



⑦B **PANEL CLIP**
6061-T6 OR 6005-T5 ALUMINUM



⑨ **MULLION SPACER BAR**
6061-T6 ALUMINUM
5/16" THK. BAR

BILL OF MATERIALS		
ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	SIDE JAMB	6063-T6 ALUMINUM
2	MAIN BLADE	6063-T6 ALUMINUM
3	TOP BLADE	6063-T6 ALUMINUM
4	SILL	6063-T6 ALUMINUM
5	BLADE BRACE	6063-T6 ALUMINUM
6	CHANNEL MULLION	6063-T6 ALUMINUM
7A	L2X2X1/8 PANEL CLIP	6061-T6 ALUMINUM; USED WITH WOOD & METAL FRAMED OPENINGS
7B	L2X2X1/8 PANEL CLIP	6061-T6 ALUMINUM; USED WITH STEEL & BLOCK/CONC. OPENINGS
8A	L3X3X3/16 MULLION END CLIP	6061-T6 ALUMINUM; USED WITH WOOD & METAL FRAMED HEAD SILL
8B	L3X3X3/16 MULLION END CLIP	6061-T6 ALUMINUM; USED WITH STEEL & CONCRETE HEAD/SILL
9	MULLION SPACER BAR	6061-T6 ALUMINUM; 2 BETWEEN MULLION MEMBERS AT EA. BOLT
10	4X2X1/8" TUBE MULLION/BAR	6061-T6 OR 6005-T5 ALUMINUM
11	5X2X1/8" TUBE MULLION/BAR	6061-T6 OR 6005-T5 ALUMINUM
12	6X2X1/8" TUBE MULLION/BAR	6061-T6 OR 6005-T5 ALUMINUM
13	NO. 14 TEK SCREWS BY HILTI	2 PER PANEL CLIP INTO FRAME (MIN. 1" LONG)
14	3/8" THRU-BOLT/THREADED ROD	GALV. A307 OR S.S.; 2 PER MULLION/REINFORCEMENT BAR END
15	3/8" SPACER BOLT/THREADED ROD	GALV. A307 OR S.S.; 1 @ 24" FROM ENDS & MAX. 24" O.C.

PRODUCT REVIEWED
05-0913.02
06/28/07

APPROVED AS SHOWN WITH ALL
01-0215.03

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 01/18/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE: 653XPDC 6" DRAINABLE BLADE LOUVER

MANUFACTURER: INDUSTRIAL LOUVERS, INC.
511 SOUTH 7TH STREET
DELANO, MN 55328
763-972-2981

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
600 SANDTREE DRIVE, SUITE 203B
PALM BEACH GARDENS, FL 33403
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: MAY 11 2001
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1014
SHEET NO. 5 OF 7

MULLION PRESSURE TABLE 1.0
 (APPLICABLE FOR MULLIONS AT SINGLE SPAN PANELS)
 (SEE ELEVATION "A" ON THIS SHEET)

MULLION SPAN (PANEL HEIGHT) (INCHES)	LOAD WIDTH (SEE ELEVATION) (INCHES)	ALLOWABLE PRESSURE (PSF)			
		DOUBLE EXTR. CHANNEL	DOUBLE 4X2X1/8 TUBE	DOUBLE 5X2X1/8 TUBE	DOUBLE 6X2X1/8 TUBE
60	72	150.0	150.0	150.0	150.0
72	48	150.0	150.0	150.0	150.0
	60	150.0	150.0	150.0	150.0
	72	133.3	127.7	133.3	133.3
84	36	150.0	150.0	150.0	150.0
	48	150.0	120.6	150.0	150.0
	60	137.1	96.5	137.1	137.1
	72	114.3	80.4	114.3	114.3
96	36	150.0	107.7	150.0	150.0
	48	150.0	80.8	141.3	150.0
	60	120.0	64.6	113.0	120.0
	72	100.0	53.9	94.2	100.0
108	36	150.0	75.7	132.3	150.0
	48	133.3	56.8	99.2	133.3
	60	106.7	45.4	79.4	106.7
	72	88.9	37.8	66.2	88.9
120	36	150.0	55.2	96.5	150.0
	48	112.5	41.4	72.3	115.1
	60	90.0	33.1	57.9	92.1
	72	75.0	27.6	48.2	76.7

MULLION PRESSURE TABLE 2.0
 (APPLICABLE FOR MULLIONS AT DOUBLE SPAN PANELS)
 (SEE ELEVATION "B" ON THIS SHEET)

MULLION SPAN (PANEL HEIGHT) (INCHES)	(A+B)/2 (SEE ELEVATION) (INCHES)	ALLOWABLE PRESSURE (PSF)			
		DOUBLE EXTR. CHANNEL	DOUBLE 4X2X1/8 TUBE	DOUBLE 5X2X1/8 TUBE	DOUBLE 6X2X1/8 TUBE
84	36	150.0	150.0	150.0	150.0
	48	150.0	150.0	150.0	150.0
	60	150.0	150.0	150.0	150.0
	72	150.0	150.0	150.0	150.0
96	36	150.0	150.0	150.0	150.0
	48	150.0	150.0	150.0	150.0
	60	150.0	150.0	150.0	150.0
	72	150.0	143.7	150.0	150.0
108	36	150.0	150.0	150.0	150.0
	48	150.0	150.0	150.0	150.0
	60	150.0	121.1	150.0	150.0
	72	150.0	100.9	150.0	150.0
120	36	150.0	147.1	150.0	150.0
	48	150.0	110.3	150.0	150.0
	60	150.0	88.3	150.0	150.0
	72	150.0	73.6	128.6	150.0

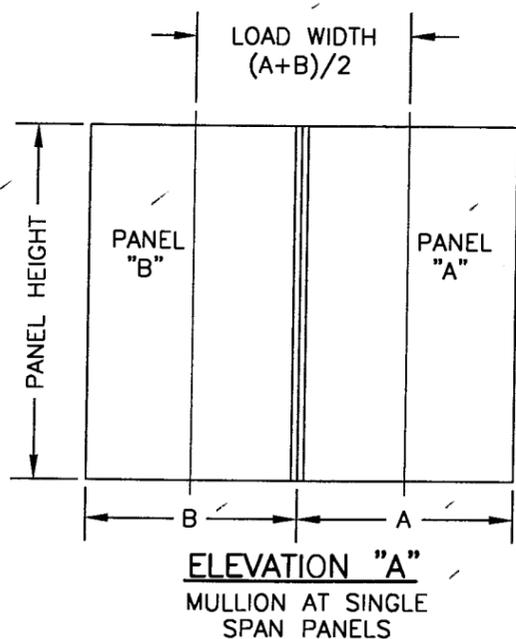
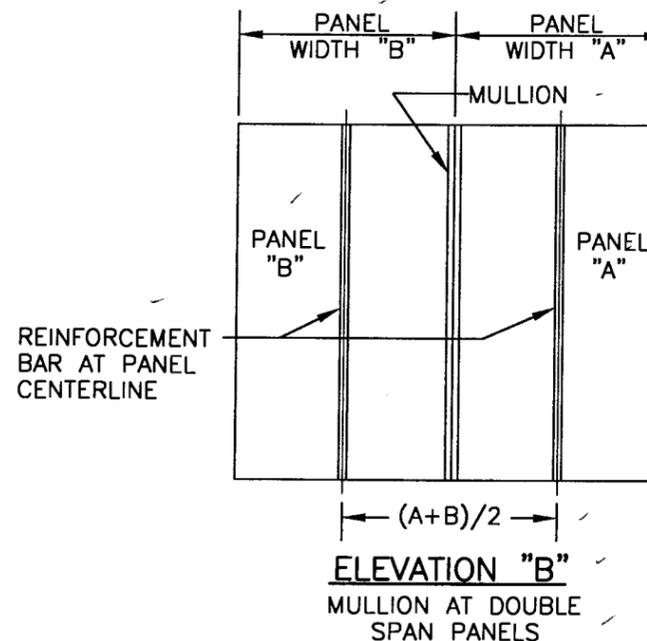


TABLE 4.0
 LOUVER PANEL SIZE & PRESSURE TABLE
 (APPLICABLE FOR SINGLE SPAN LOUVER PANELS)

PANEL WIDTH	ALLOWABLE DESIGN PRESSURE
36"	150.0 PSF
42"	128.5 PSF
48"	112.5 PSF
54"	100.0 PSF
60"	90.0 PSF
66"	81.9 PSF
72"	75.0 PSF



NOTE: PANEL WIDTHS MAY NOT EXCEED 72" & PANEL HEIGHT MAY NOT EXCEED 120"

ALL PRESSURES IN TABLES ARE FOR BOTH POSITIVE & NEGATIVE DIRECTION.

NOTE: MAX. LOUVER WIDTH AND PRESSURE IS CONTROLLED BY TABLE 4.0. OTHER TABLES MUST CONFORM WITH TABLE 4.0 IN ORDER TO BE USED.

NOTE: PANEL WIDTHS MAY NOT EXCEED 72" & PANEL HEIGHT MAY NOT EXCEED 120"

PRODUCT RENEWED
 in compliance with the Florida Building Code
 Building Code
 Effective Date: 05-09-13-02
 06/28/07
 Warren W. Schaefer, P.E.
 Product Consultant

APPROVED BY: [Signature]
 DATE: 01-02-15-03

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 01/18/01
DATE	BY
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
 653XPDC 6" DRAINABLE BLADE LOUVER

MANUFACTURER
 INDUSTRIAL LOUVERS, INC.
 511 SOUTH 7TH STREET
 DELANO, MN 55328
 763-972-2981

CONSULTANTS
 W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
 600 SANDTREE DRIVE, SUITE 203B
 PALM BEACH GARDENS, FL 33403
 PHONE: 561-775-4902 FAX: 561-775-4903

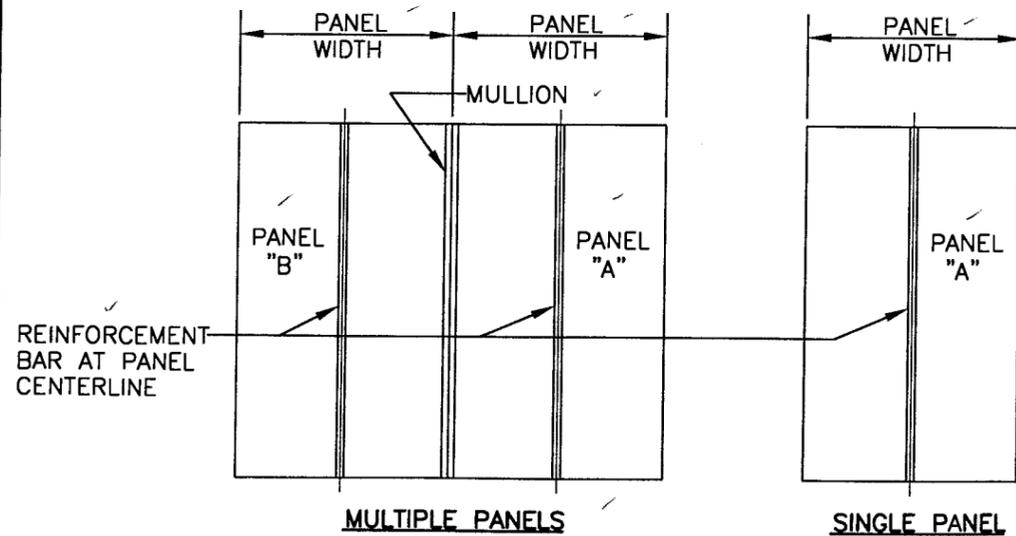
CERTIFICATION
 MAY 11 2001
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

DRAWING NO.
 1014

REV.
 SHEET NO.
 6 OF 7

REINFORCEMENT BAR PRESSURE TABLE 3.0
(APPLICABLE FOR REINFORCEMENT BARS)
(SEE ELEVATION "C" ON THIS SHEET)

BAR SPAN (PANEL HEIGHT) (INCHES)	PANEL WIDTH (SEE ELEVATION) (INCHES)	ALLOWABLE PRESSURE (PSF)		
		SINGLE 4X2X1/8 TUBE	SINGLE 5X2X1/8 TUBE	SINGLE 6X2X1/8 TUBE
60	36	150.0	150.0	150.0
	48	150.0	150.0	150.0
	60	150.0	150.0	150.0
	72	150.0	150.0	150.0
72	36	150.0	150.0	150.0
	48	150.0	150.0	150.0
	60	150.0	150.0	150.0
	72	150.0	150.0	150.0
84	36	150.0	150.0	150.0
	48	150.0	150.0	150.0
	60	150.0	150.0	150.0
	72	136.4	150.0	150.0
96	36	150.0	150.0	150.0
	48	150.0	150.0	150.0
	60	125.3	150.0	150.0
	72	104.4	146.1	150.0
108	36	150.0	150.0	150.0
	48	123.8	150.0	150.0
	60	99.0	138.6	150.0
	72	82.5	115.5	142.2
120	36	133.7	150.0	150.0
	48	100.3	140.3	150.0
	60	80.2	112.2	148.7
	72	66.8	93.5	123.9



ELEVATION "C"
REINFORCEMENT BAR
(DOUBLE SPAN PANELS)

NOTE: PANEL WIDTHS MAY NOT EXCEED 72"
& PANEL HEIGHT MAY NOT EXCEED 120"

LOAD TABLE INSTRUCTIONS

SINGLE PANELS

- GO TO "LOUVER PANEL SIZE & PRESSURE TABLE" ON SHEET 6 AND CHECK THE ALLOWABLE PRESSURE FOR THE PANEL IN SINGLE SPAN. IF THE ALLOWABLE PRESSURE IS GREATER THAN OR EQUAL TO THE REQUIRED PRESSURE, YOU ARE DONE. IF THE ALLOWABLE PRESSURE IS LESS THAN THE REQUIRED PRESSURE, CONTINUE TO NO. 2 BELOW FOR CHOOSING A REINFORCEMENT BAR.
- GO TO TABLE 3.0 ON THIS SHEET AND CHOOSE A BAR WHOSE ALLOWABLE PRESSURE AT THE APPLICABLE SPAN & PANEL WIDTH IS GREATER THAN OR EQUAL TO THE REQUIRED PRESSURE.

MULTIPLE PANELS

- GO TO "LOUVER PANEL SIZE & PRESSURE TABLE" ON SHEET 6 AND CHECK THE ALLOWABLE PRESSURE FOR PANELS IN SINGLE SPAN (NO REINFORCEMENT BARS). IF THE ALLOWABLE PRESSURE FOR THE PANEL IS GREATER THAN OR EQUAL TO THE REQUIRED PRESSURE, NO REINFORCEMENT BAR IS REQUIRED AND YOU MAY PROCEED TO NO. 3 BELOW FOR SIZING THE MULLIONS. IF A REINFORCEMENT BAR IS REQUIRED, CONTINUE TO NO. 2 BELOW.
- IF A SINGLE SPAN PANEL WILL NOT MEET PRESSURE REQUIREMENTS, GO TO TABLE 3.0 ON THIS SHEET AND CHOOSE A REINFORCEMENT BAR WHOSE ALLOWABLE PRESSURE AT THE APPLICABLE SPAN & PANEL WIDTH IS GREATER THAN OR EQUAL TO THE REQUIRED PRESSURE AND THEN SKIP TO NO. 4 BELOW.
- IF NO REINFORCEMENT BAR IS REQUIRED, GO TO TABLE 1.0 AND CHOOSE A MULLION WHOSE ALLOWABLE PRESSURE IS GREATER THAN OR EQUAL TO THE REQUIRED PRESSURE.
- IF A REINFORCEMENT BAR IS REQUIRED, GO TO TABLE 2.0 AND CHOOSE A MULLION WHOSE ALLOWABLE PRESSURE IS GREATER THAN OR EQUAL TO THE REQUIRED PRESSURE.

** IF THE MULLION WILL NOT SUPPORT THE REQUIRED DESIGN PRESSURE WHEN USING SINGLE SPAN PANELS, A REINFORCEMENT BAR MUST BE USED & SIZED ACCORDING TO THESE INSTRUCTIONS.

NOTE: THE LESSER ALLOWABLE PRESSURE OF THE MULLION, REINFORCEMENT BAR OR SINGLE PANEL WILL CONTROL.

APPROVED BY: [Signature]
DATE: 05-09-13-02
06/28/07

APPROVED BY: [Signature]
DATE: 01-02-15-03

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 01/18/01
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE: 653XPDC 6" DRAINABLE BLADE LOUVER

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CERTIFICATION
MAY 11 2001
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO. 1014
SHEET NO. 7 OF 7