



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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buldingcode

Leader Industries, Inc.
P.O. Box 40913
Nashville, TN 37204

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: DC-436 4" Louver System

APPROVAL DOCUMENT: Drawing No. **FL 00181**, titled "DC-436 Aluminum Fixed Louver Panel" dated 07/02/07, with last revision dated 12/17/07, prepared by Leader Industries, Inc., signed and sealed by Luis R. Lomas, 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 NOA consists of this page 1, evidence page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
1/15/08

NOA No: 07-1105.04
Expiration Date: February 7, 2013
Approval Date: February 7, 2008
Page 1

Leader Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **FL 00181**, titled "DC-436 Aluminum Fixed Louver Panel", dated 07/02/07, with last revision dated 12/17/07, prepared by Leader Industries, Inc., signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test report 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 Fixed Louver Panels, prepared by National Certified Testing Laboratories, Test Report No. 210-3368-2, dated 01/22/07, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS

1. Anchors calculations, dated 10/15/07 and 12/17/07, issued, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

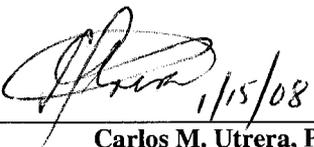
1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None

F. STATEMENTS

1. Code compliance and no financial interest letter, dated 10/15/07, issued, signed and sealed by Luis R. Lomas, P.E.



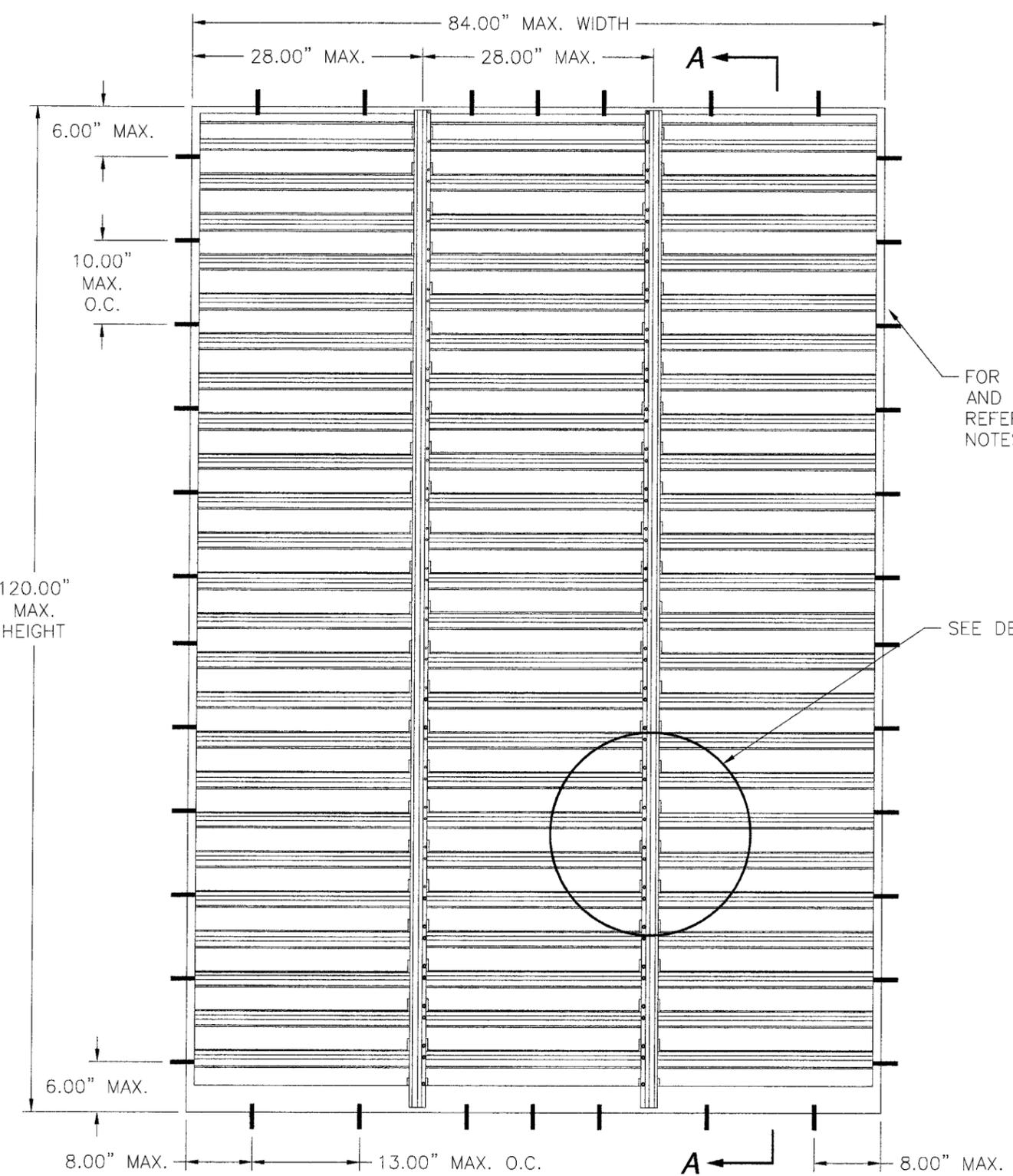
Carlos M. Utrera, P.E.

Product Control Examiner

NOA No 07-1105.04

Expiration Date: February 7, 2013

Approval: Date: February 7, 2008



FOR ANCHOR TYPE AND INSTALLATION REFER TO SHEET 3 NOTES 1 AND 2

SEE DETAIL B

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.

NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT 2004 FLORIDA BUILDING CODE, INCLUDING THE HVHZ.
- 2) WOOD FRAMING, STEEL FRAMING AND CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. OPENING DESIGN IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF OPENING.
- 4) ALL EXTRUSIONS ARE 6063-T5 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
- 5) ALL FASTENERS, NUTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60KSI.
- 6) CAULK THOROUGHLY ALL AROUND EXTERIOR PERIMETER OF LOUVERS WITH SAME COLOR AS LOUVERS, PROVIDE BACKER ROD BEFORE CAULKING.
- 7) LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE ROOM BEHIND LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOFING EQUIPMENT, COMPONENTS OR SUPPLIES.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	SINGLE PANEL ELEVATION ANCHORING AND NOTES
2	MULTIPLE PANEL ELEVATION AND ANCHORING LAYOUT
3, 4	INSTALLATION DETAILS
5	INSTALLATION DETAILS AND B.O.M.
6	INSTALLATION DETAILS
7	COMPONENTS

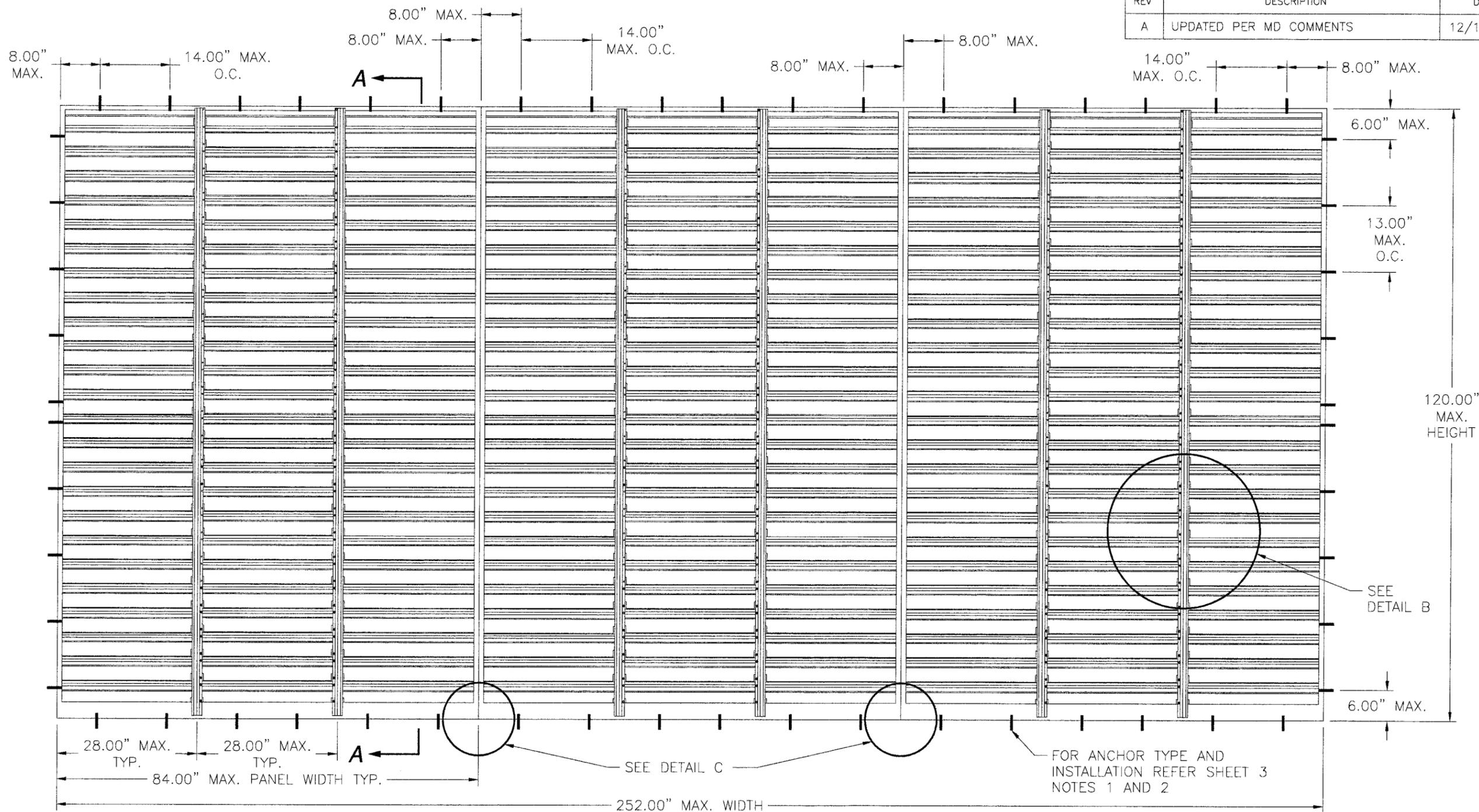
DC-436 ALUMINUM FIXED LOUVER

**DESIGN PRESSURE RATING
±120.0 PSF**

LARGE MISSILE IMPACT

LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204			 12/17/07
DC-436 ALUMINUM FIXED LOUVER PANEL SINGLE PANEL ELEVATION, ANCHORING AND NOTES			
DRAWN: R.L.	DWG NO. FL 00181	REV A	
SCALE NTS	DATE 7/02/07	SHEET 1 OF 7	
			Luis R. Lomas P.E. Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.



DC-436 MULTIPLE ALUMINUM FIXED LOUVER
 (3) THREE PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANELS DO NOT EXCEED PANEL SIZE AS SHOWN.

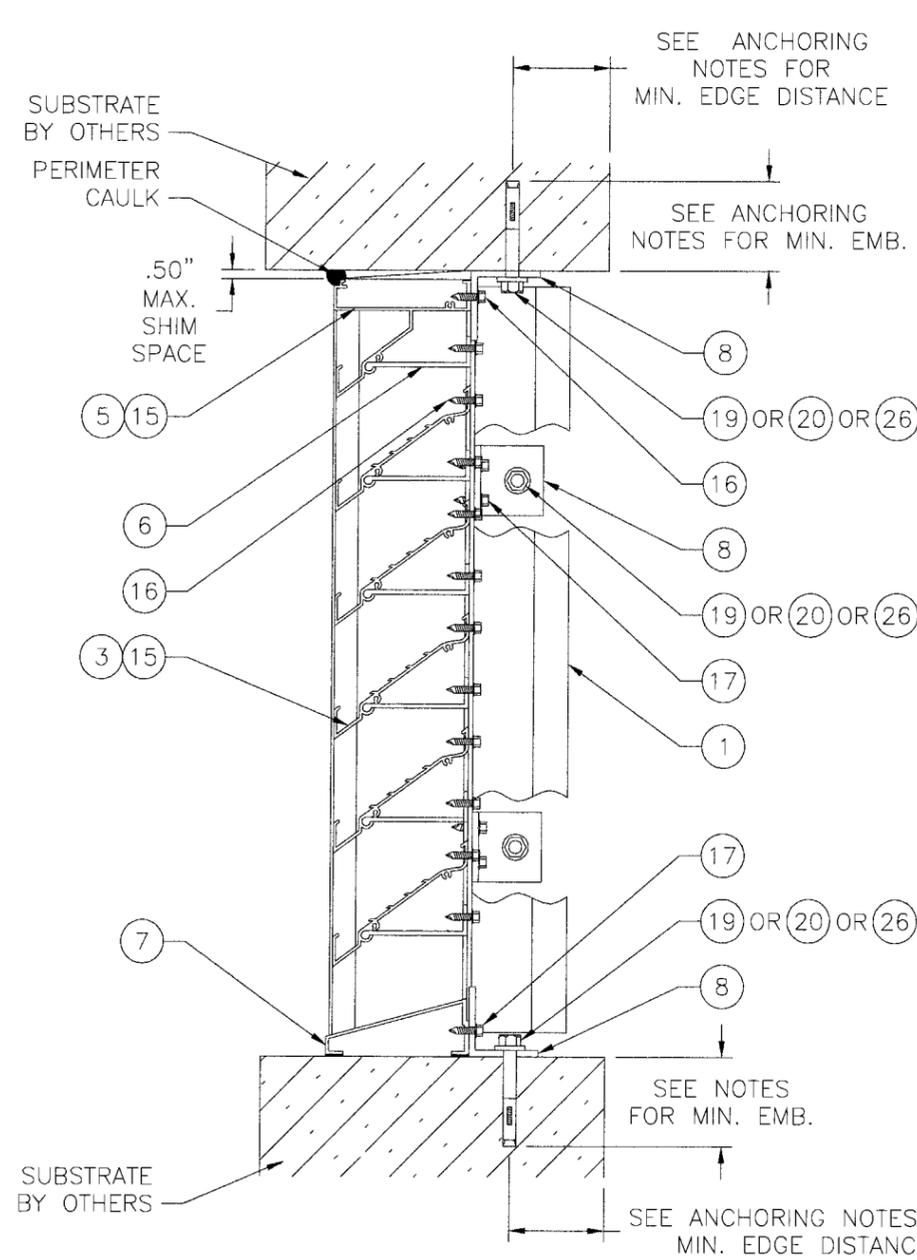
DESIGN PRESSURE RATING
 ± 100.0 PSF

LARGE MISSILE IMPACT

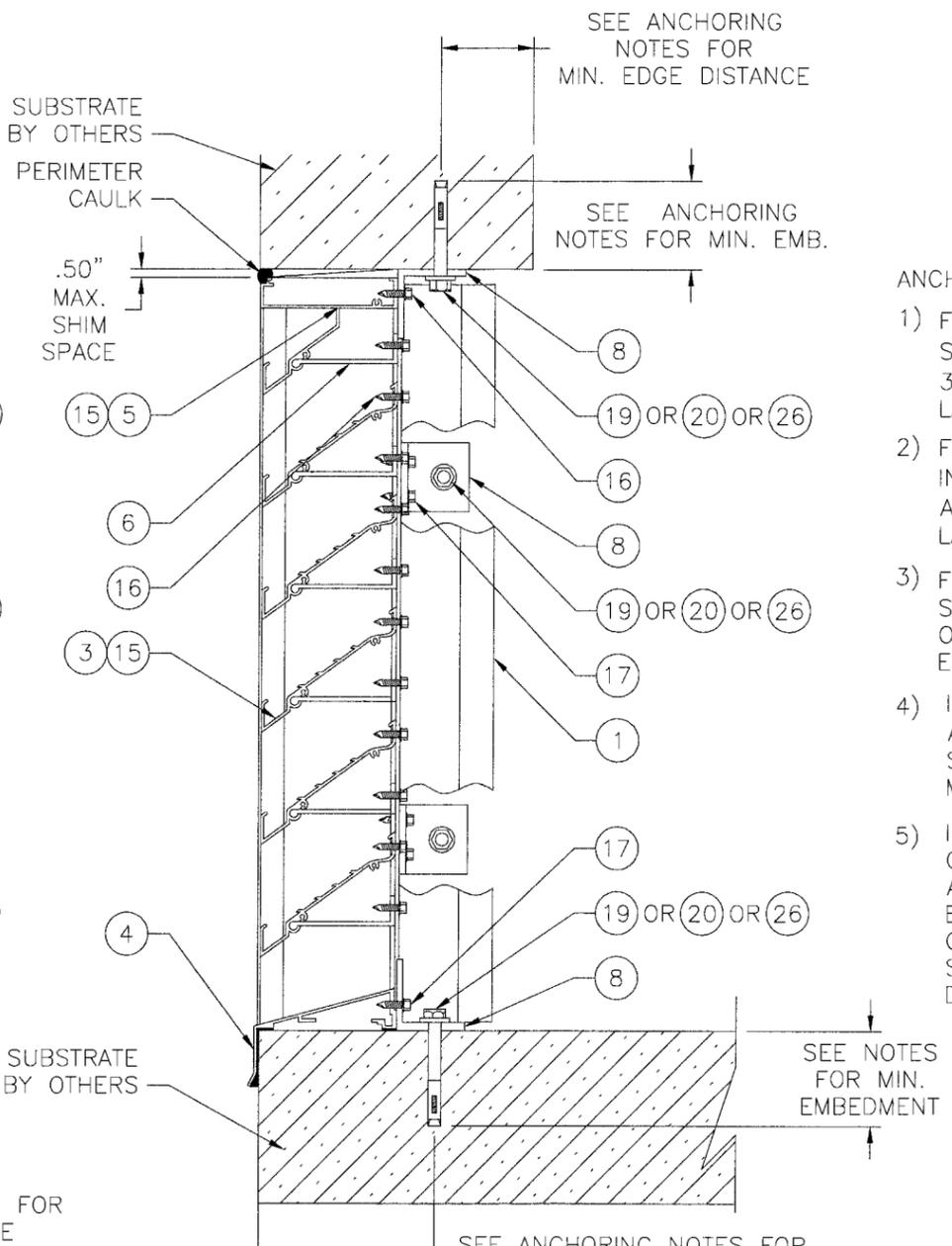
LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204			 12/17/07
DC-436 ALUMINUM FIXED LOUVER PANEL MULTIPLE PANEL ELEVATION AND ANCHORING LAYOUT			
DRAWN: R.L.	DWG NO. FL 00181	REV A	Luis R. Lomas P.E. Florida No. 62514
SCALE NTS	DATE 7/02/07	SHEET 2 OF 7	

1/15/08
 07-1105.04

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.



SECTION A-A
DC-436-1 INSTALLATION



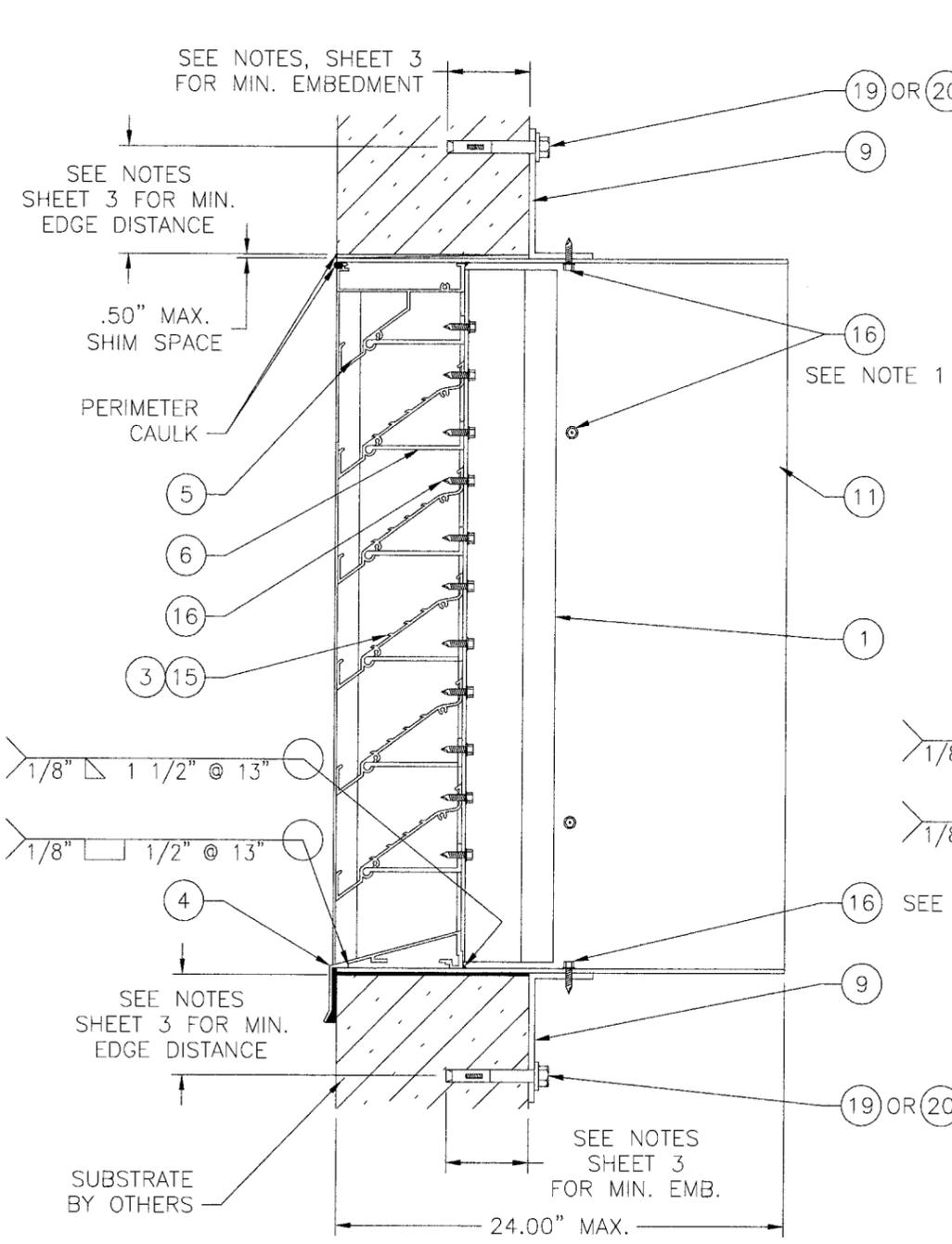
SECTION A-A
DC-436-2 INSTALLATION

ANCHORING NOTES:

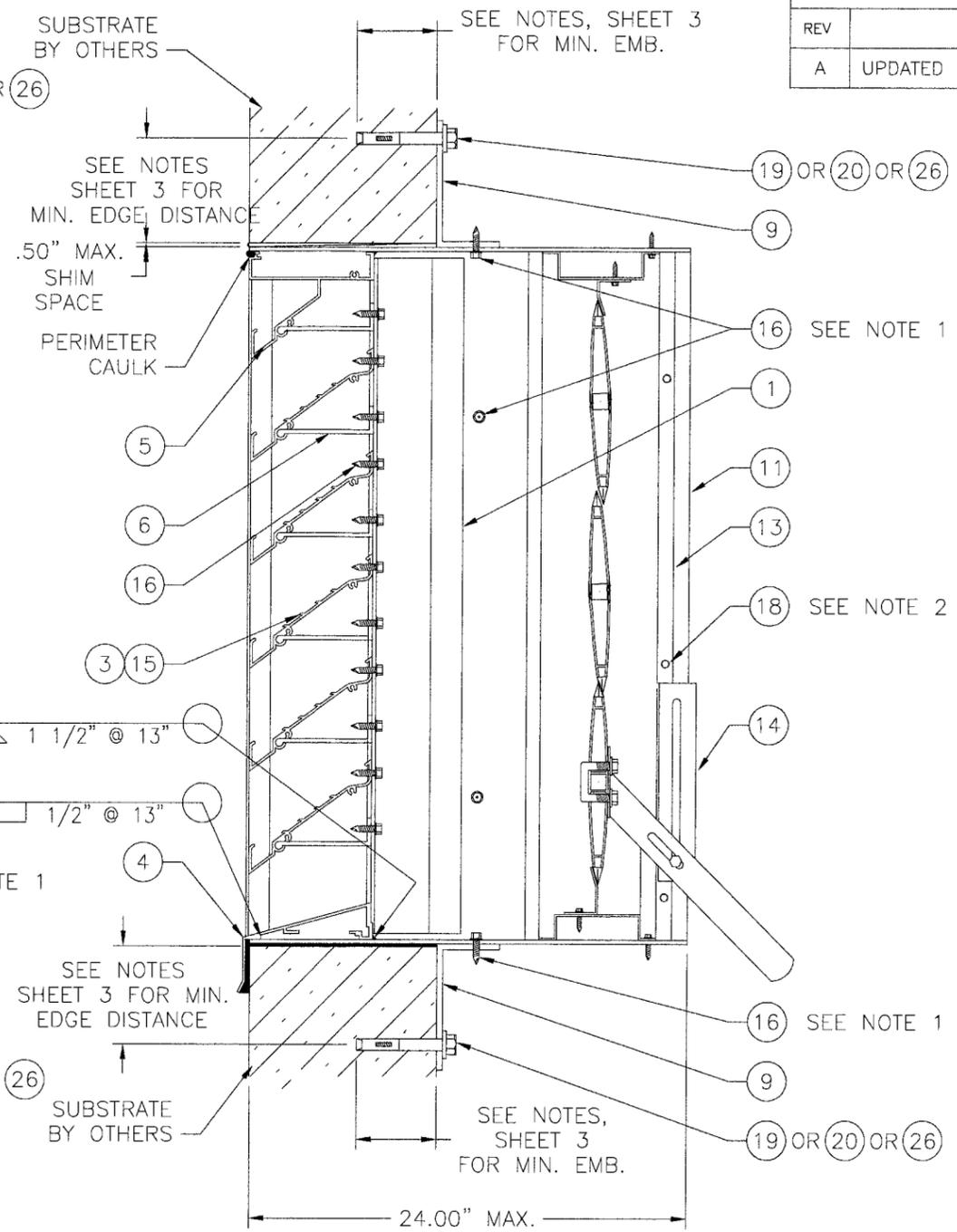
- 1) FOR CONCRETE INSTALLATION USE 3/8" HILTI KWIK BOLT 3 WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT WITH 3" MINIMUM EDGE DISTANCE. LOCATE ANCHORS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 2) FOR WOOD FRAMING AND METAL FRAMING WITH WOOD BACKER INSTALLATION USE 5/16" LAG BOLTS WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT. LOCATE BOLTS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 3) FOR STEEL DECKING INSTALLATION USE 1/4" TEK SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM PENETRATION OF 3 PITCHES OF THREAD BEYOND METAL STRUCTURE. LOCATE SCREWS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 4) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
- 5) INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.46
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
 - C. STEEL DECKING - 12 GAUGE MINIMUM WITH 36KSI MINIMUM YIELD STRENGTH.
 - D. METAL FRAMING - 20 GAUGE MINIMUM WITH WOOD BACKER.

<p>1/15/08 07-105.04</p>	<p>LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204</p>		<p><i>Luis R. Lomas</i> 12/17/07</p> <p>Luis R. Lomas P.E. Florida No. 62514</p>	
	<p>DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS</p>			
	<p>DRAWN: R.L.</p>	<p>DWG NO. FL 00181</p>		<p>REV A</p>
	<p>SCALE NTS</p>	<p>DATE 7/02/07</p>		<p>SHEET 3 OF 7</p>

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.



SECTION A-A
DC-436-3 INSTALLATION



SECTION A-A
DC-436-3 W/ EAD DAMPER INSTALLATION

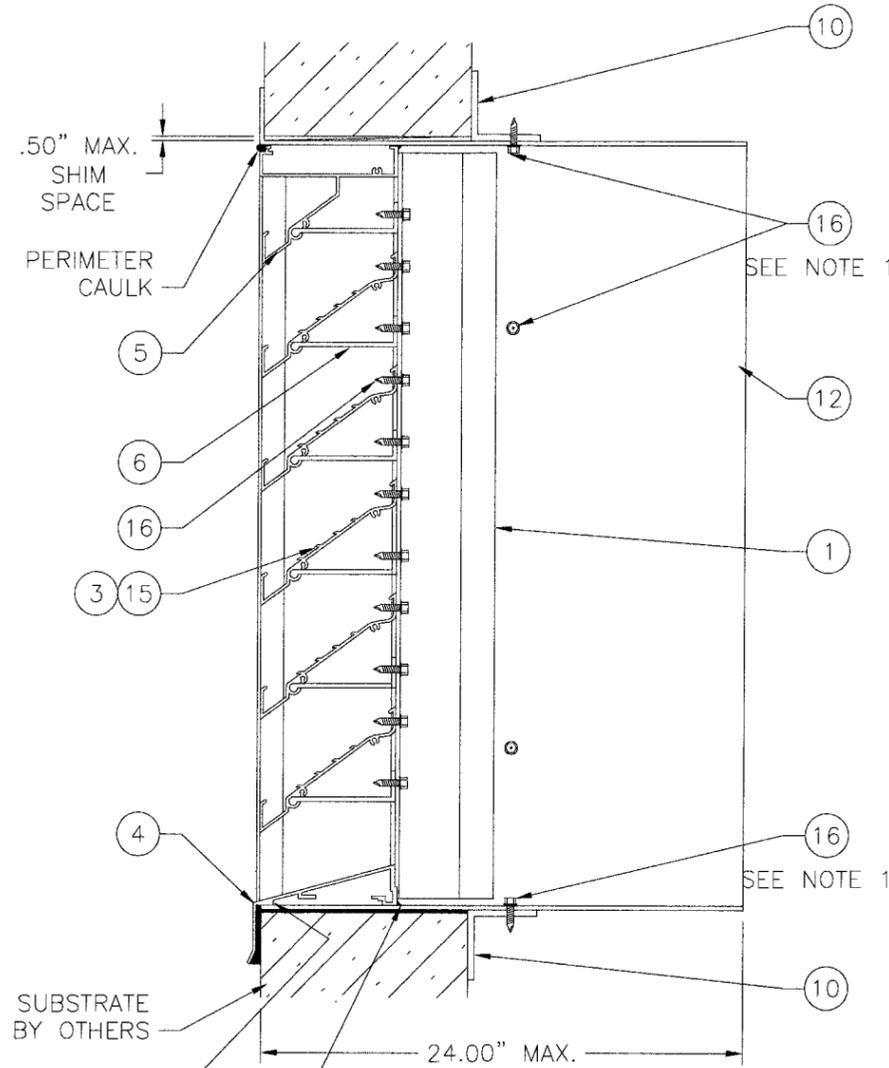
NOTES:

- 1) LOCATE ITEM 16, 6" FROM EACH CORNER AND 9" MAX. O.C. AT JAMBS AND 6" MAX. FROM EACH CORNER AND 13 1/2" MAX. O.C. AT HEAD AND SILL.
- 2) LOCATE ITEM 18, 12" FROM EACH CORNER AND 12" MAX. O.C. AT JAMBS HEAD AND SILL.

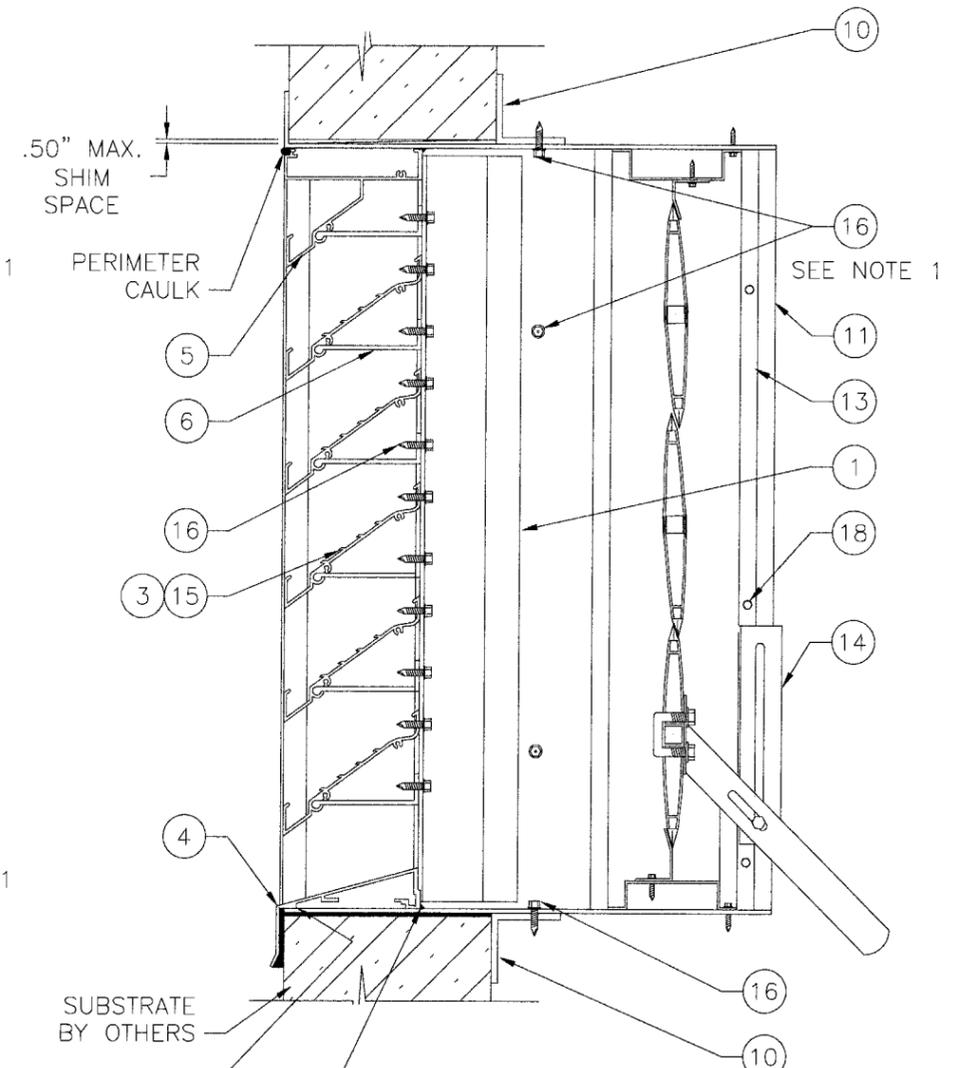
		LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204		 12/17/07
		DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS		
DRAWN: R.L.	DWG NO. FL 00181	REV A	Luis R. Lomas P.E. Florida No. 62514	
SCALE NTS	DATE 7/02/07	SHEET 4 OF 7		

PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1		VERTICAL BLADE SUPPORT, AL 6063-T5
2		JAMB, AL 6063-T5
3		BLADE , AL 6063-T5
4		SILL FLANGE, AL 6063-T5
5		HEAD, AL 6063-T5
6		BLADE SUPPORT, AL 6063-T5
7		SILL, AL 6063-T5
8		2 X 2 X 3/16 X 2" LONG ANGLE, AL 6063-T5
9		2 X 4 X 3/16 CONTINUOUS ANGLE, AL 6063-T5
10		2 X 2 X 3/16 CONTINUOUS ANGLE, AL 6063-T5
11		.101" THICK SLEEVE, AL 3003-H14
12		.101" THICK FLANGED SLEEVE, AL 3003-H14
13		DAMPER EAD
14		HAND QUADRANT
15		#8 X 1/2 TEK SCREW
16		#12 X 7/8 TEK SCREW
17		#12 X 1 TEK SCREW
18		#14 X 7/8 TEK SCREW
19		5/16 LAG BOLT
20		3/8" HILTI KWIK BOLT 3
21		MULLION CLIP
22		2 X 4 X 1/4 X 120 LONG MULLION AL 6063-T5
23		C4 X 5.4 CHANNEL , STEEL
24		3/8-16 X 1" HH W/ WASHER AND NUT SST
25		3/8-16 X 1 1/5 HH W/ WASHER AND NUT, SST
26		1/4" TEK SCREW
27		MULLION CLIP

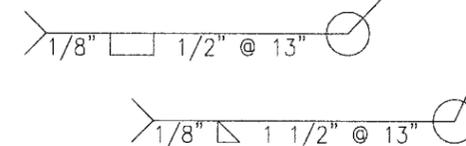
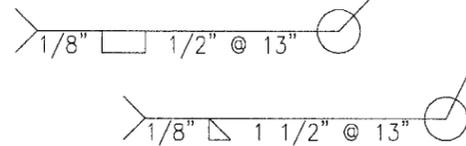
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.



SECTION A-A
DC-436-4 INSTALLATION



SECTION A-A
DC-436-4 W/ EAD DAMPER
INSTALLATION



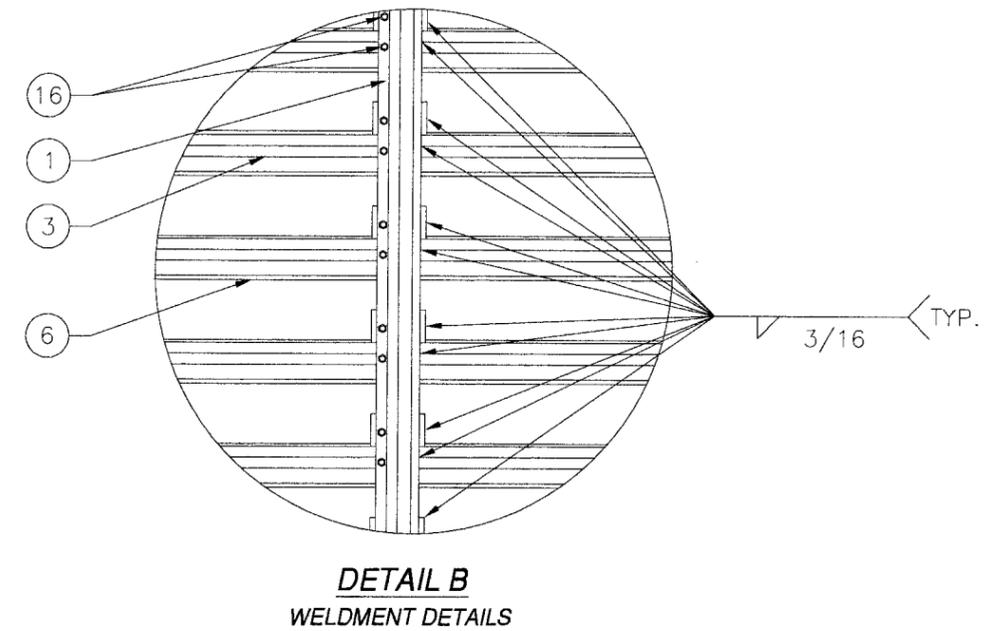
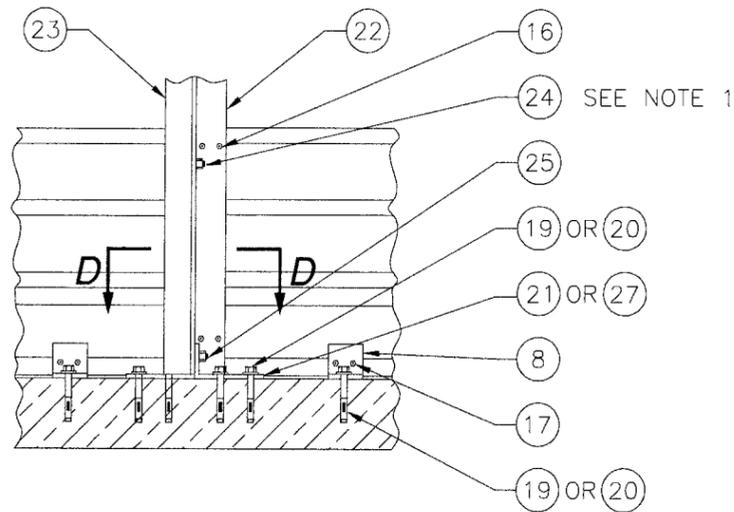
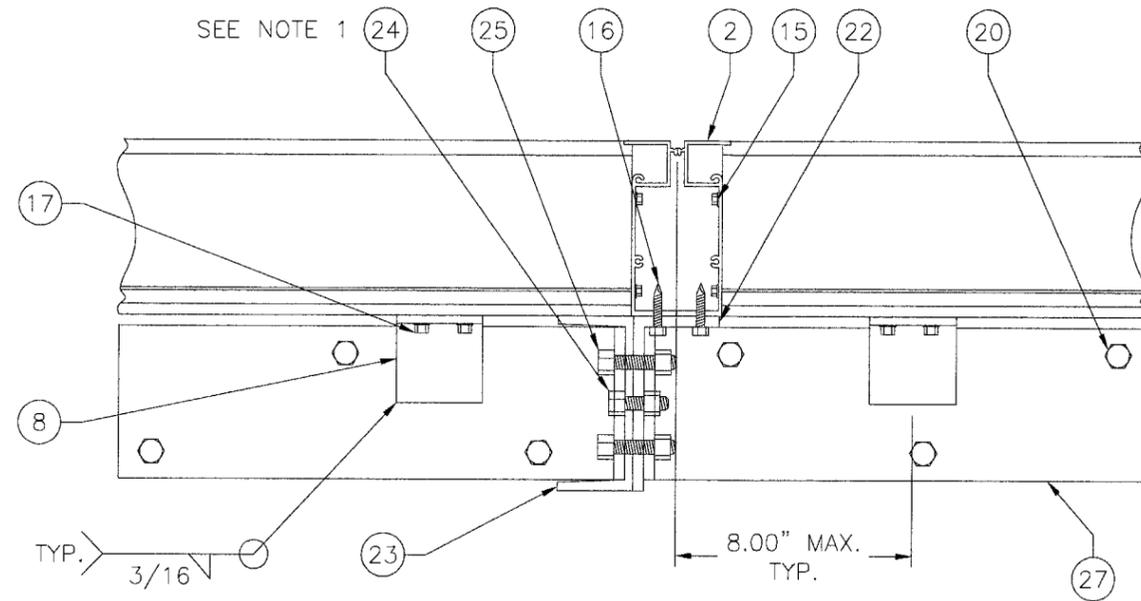
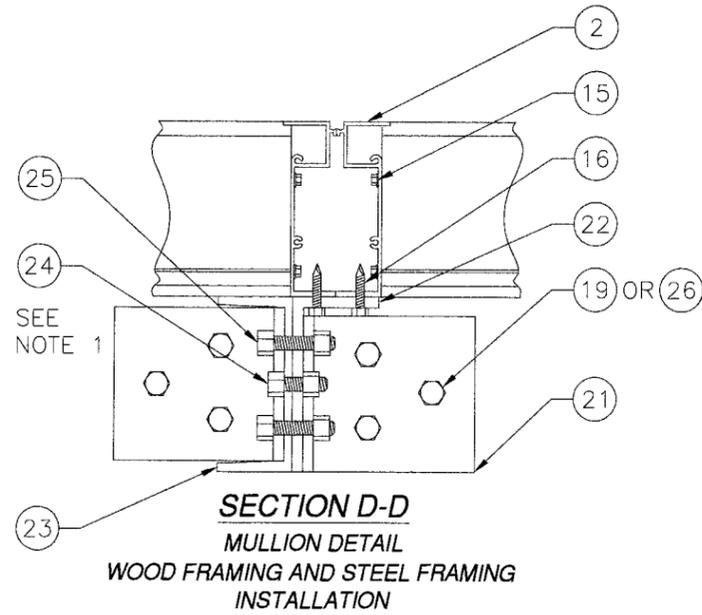
NOTES:

- 1) LOCATE ITEM 16, 6" FROM EACH CORNER AND 9" MAX. O.C. AT JAMBS AND 6" MAX. FROM EACH CORNER AND 13 1/2" MAX. O.C. AT HEAD AND SILL.

LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204			 12/17/07
DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS AND B.O.M.			
DRAWN: R.L.	DWG NO. FL 00181	REV A	Luis R. Lomas P.E. Florida No. 62514
SCALE NTS	DATE 7/02/07	SHEET 5 OF 7	

1/15/08
07-1105.04

REVISIONS			
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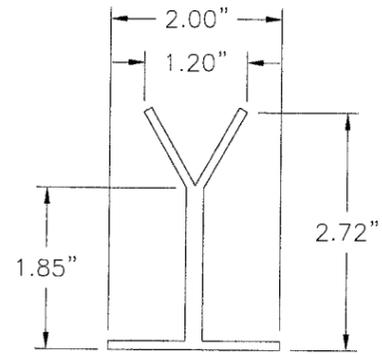
NOTES:

- 1) LOCATE ITEM 24, 6" FROM EACH END AND 24" MAX. O.C. THEREAFTER.
- 2) ATTACH BLADES TO JAMBS USING ITEM 16 BEFORE WELDING BLADES TO JAMBS. WELD BLADES TO JAMBS WITH 3/16" WELDS. SEE DETAIL B.
- 3) WELD HEAD FRAME TO JAMBS AT EACH END.
- 4) SLEEVES TO BE FULLY WELDED AT CORNERS.

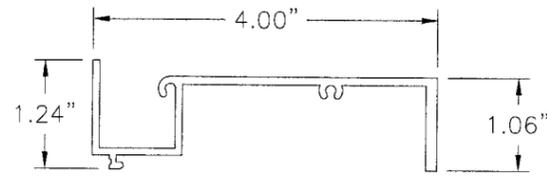
1/15/08 07-1105-04 	LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204		 12/17/07
	DC-436 ALUMINUM FIXED LOUVER PANEL INSTALLATION DETAILS		
DRAWN: R.L.	DWG. NO. FL 00181	REV A	Luis R. Lomas P.E. Florida No. 62514
SCALE NTS	DATE 7/02/07	SHEET 6 OF 7	

REVISIONS

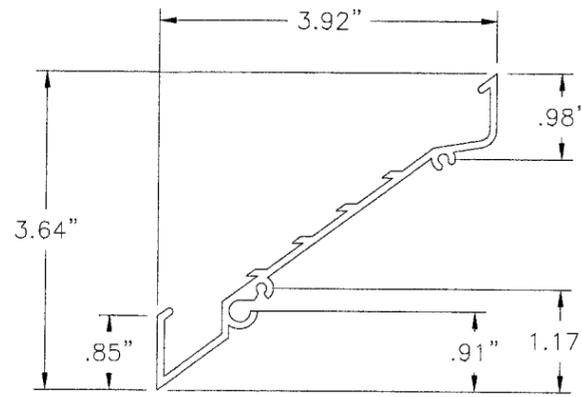
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MD COMMENTS	12/17/07	R.L.



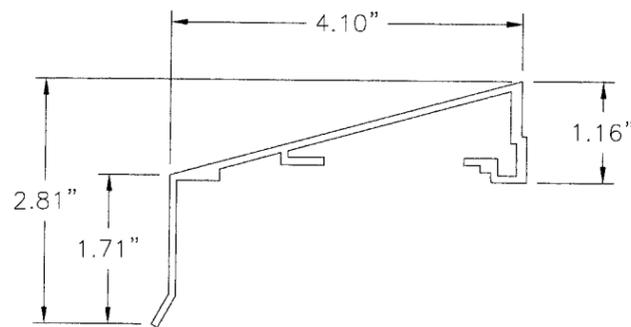
① **VERTICAL BLADE SUPPORT**
ALUMINUM 6063-T5
.200" THICK



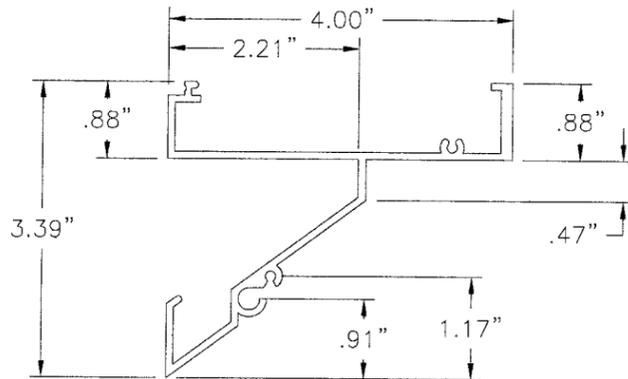
② **JAMB**
ALUMINUM 6063-T5
.090" THICK



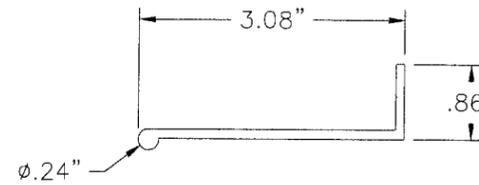
③ **BLADE**
ALUMINUM 6063-T5
.080" THICK



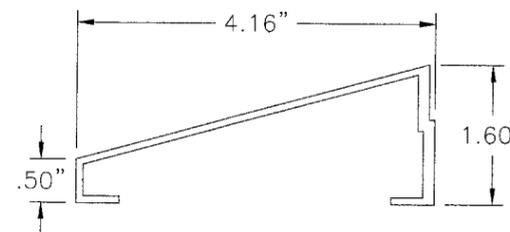
④ **SILL, FLANGE**
ALUMINUM 6063-T5
.080" THICK



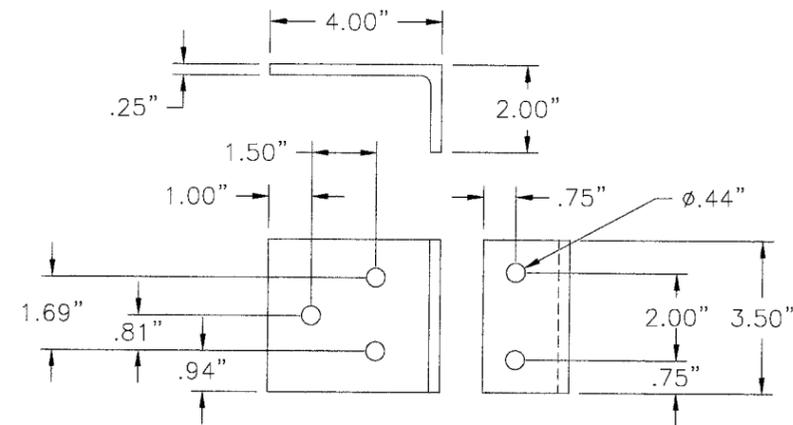
⑤ **HEAD**
ALUMINUM 6063-T5
.080" THICK



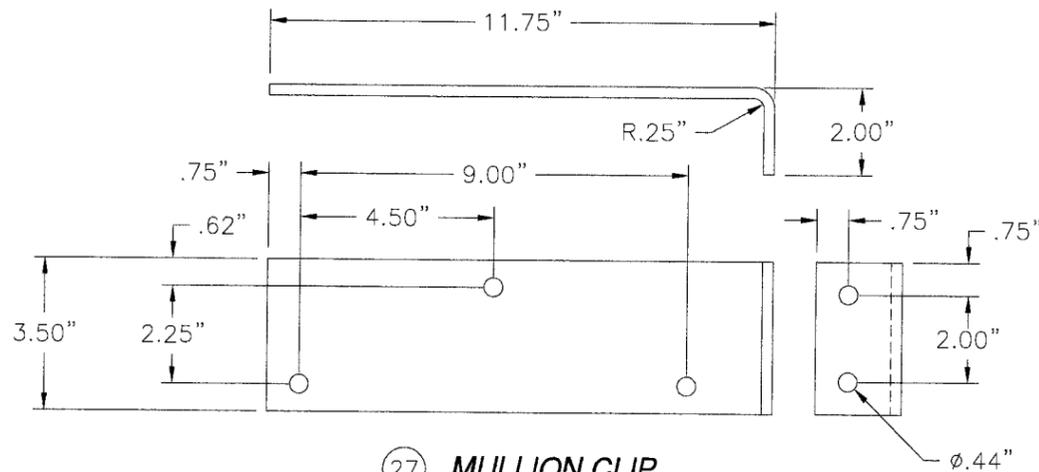
⑥ **BLADE SUPPORT**
ALUMINUM 6063-T5
.100" THICK



⑦ **SILL**
ALUMINUM 6063-T5
.080" THICK



⑪ **MULLION CLIP**
FOR WOOD AND STEEL FRAMING INSTALLATION
ALUMINUM 6063-T5
.25" THICK



⑲ **MULLION CLIP**
FOR CONCRETE INSTALLATION
ALUMINUM 3003-H14
.25" THICK

<p>1/15/08 07-1105.04 <i>[Signature]</i></p>		<p>LEADER INDUSTRIES, INC. 2500 CRUZEN STREET NASHVILLE, TN 37204</p>		<p><i>[Signature]</i> 12/17/07</p>
		<p>DC-436 ALUMINUM FIXED LOUVER PANEL COMPONENTS</p>		
<p>DRAWN: R.L.</p>	<p>DWG NO. FL 00181</p>	<p>REV A</p>	<p>Luis R. Lomas P.E. Florida No. 62514</p>	
<p>SCALE NTS</p>	<p>DATE 7/02/07</p>	<p>SHEET 7 OF 7</p>		