



MIAMI-DADE COUNTY
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.maimidade.gov/buildingcode

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: Model DC-638 Aluminum Louver.

APPROVAL DOCUMENT: Drawing No. **08-00626**, titled "DC-638 Louver System", sheets 1 through 10 of 10, dated 10/07/08, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, 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 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", 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 **revises NOA # 05-1114.04** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



Signature
 12/16/08

NOA No. 08-1126.05
Expiration Date: January 6, 2010
Approval Date: January 8, 2009
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **08-00626**, titled "DC-638 Louver System", sheets 1 through 10 of 10, dated 10/07/08, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test report on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203, and Uniform Static Air Pressure Test per TAS 202 of "DC-638-1 to 4 Aluminum Louvers", prepared by Certified Testing Laboratories, report No. CTLA-1225W, dated 06/15/04, signed and sealed by R. Patel, PE.
"Submitted under NOA # 04-0824.02"

C. CALCULATIONS

1. Revised comparative analysis for slats; storm bars, headers and anchors using rational analysis dated 07/26/04, prepared by PTC, signed and sealed by E. S. Nielsen, PE.
"Submitted under NOA # 05-1114.04"
2. Anchor calculations prepared by L. Roberto Lomas, dated 10/09/08, 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 issued by L. Roberto Lomas, P.E., dated 10/13/08, and signed by Luis R. Lomas, P.E.

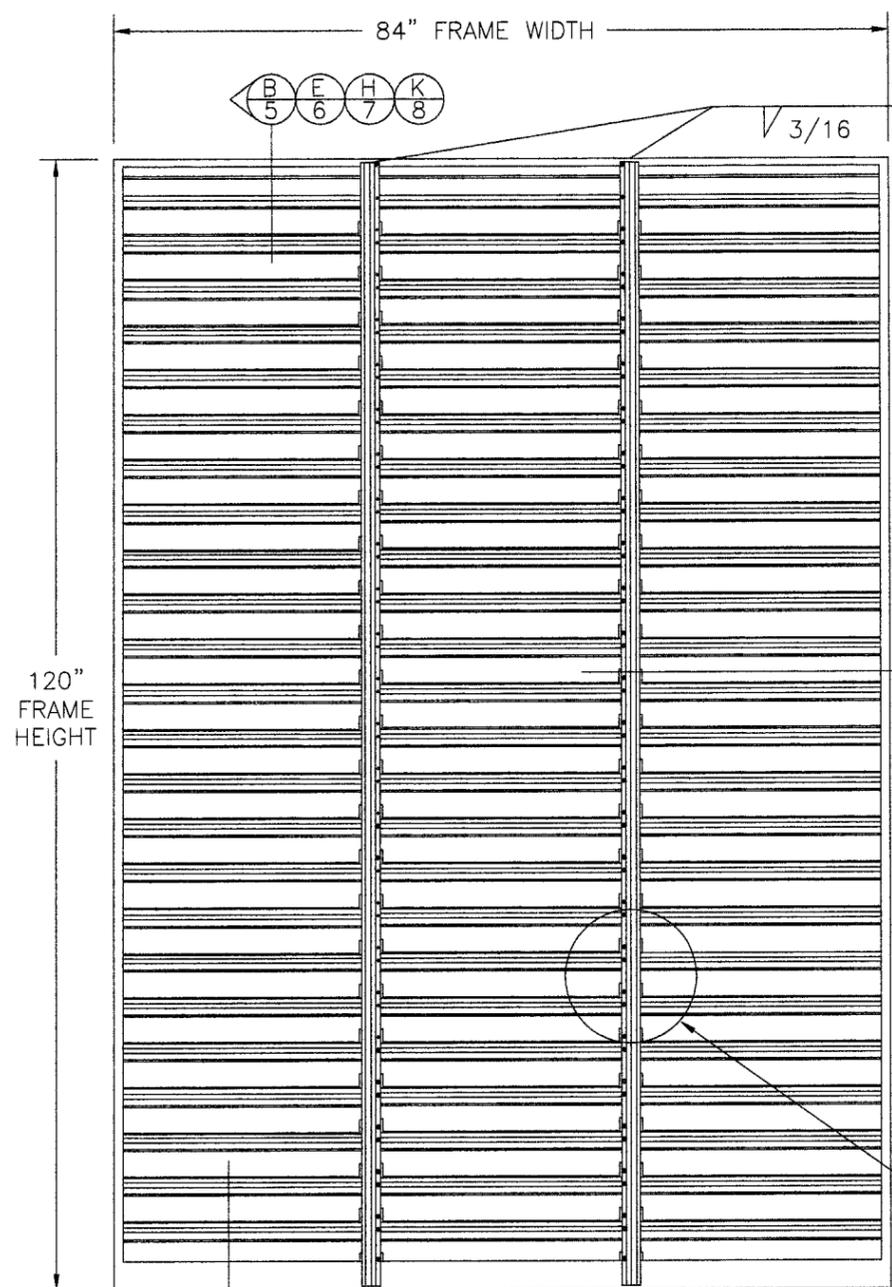
G. OTHER

1. Notice of Acceptance No. **05-1114.04**, issued to Leader Industries, Inc, approved on 09/14/06 and expiring on 01/06/10.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-1126.05

Expiration Date: January 6, 2010
Approval Date: January 8, 2009



120" FRAME HEIGHT

84" FRAME WIDTH

B
5 E
6 H
7 K
8

TYP @ HEAD & SILL

3/16

C
5 F
6 I
7 L
8

DETAIL Q SHEET 1

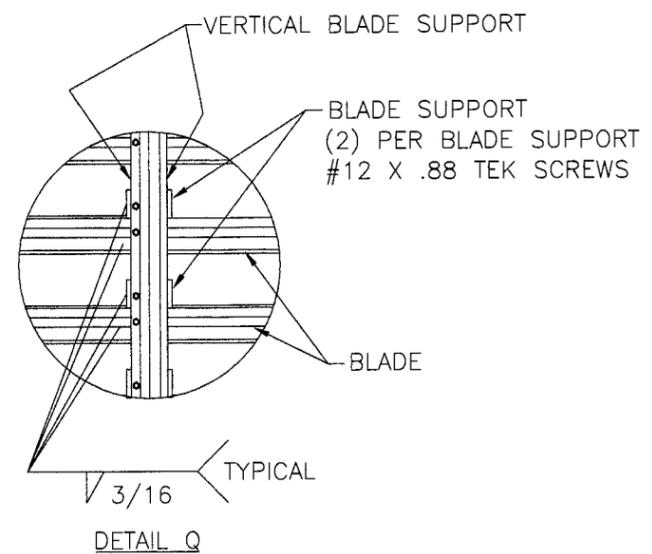
28" MAX. 28" MAX. 28" MAX.

A
5 D
6 G
7 J
8

BLADE SUPPORT LOCATION

SINGLE PANEL ELEVATION VIEWED FROM EXTERIOR

DESIGN PRESSURE RATING	IMPACT RATING
±160PSF	LARGE AND SMALL MISSILE IMPACT



DETAIL Q

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 2) WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
- 3) PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
- 4) SEE DESIGN PRESSURE RATINGS SHEETS 1 & 2.
- 5) ISOLATE ALL SUBSTRATE ANCHOR CLIPS/ ANGLES, PART NUMBERS 9, 21, 25, & 26 FROM MASONRY/CONCRETE SUBSTRATE BY OTHERS.
- 6) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	SINGLE PANEL ELEVATION AND GENERAL NOTES
2	MULTIPLE PANEL ELEVATION
3	SINGLE PANEL ANCHORING & ANCHORING NOTES
4	MULTIPLE PANEL ANCHORING
5 - 8	INSTALLATION SECTIONS
9	MULLION INSTALLATION
10	BILL OF MATERIALS & COMPONENTS

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 08-1126-05
 Expiration Date 01/06/2010
 By *[Signature]*
 Miami/Dade Product Control Division

LEADER INDUSTRIES, INC.

2509 CRUZEN STREET
 NASHVILLE, TN 37211

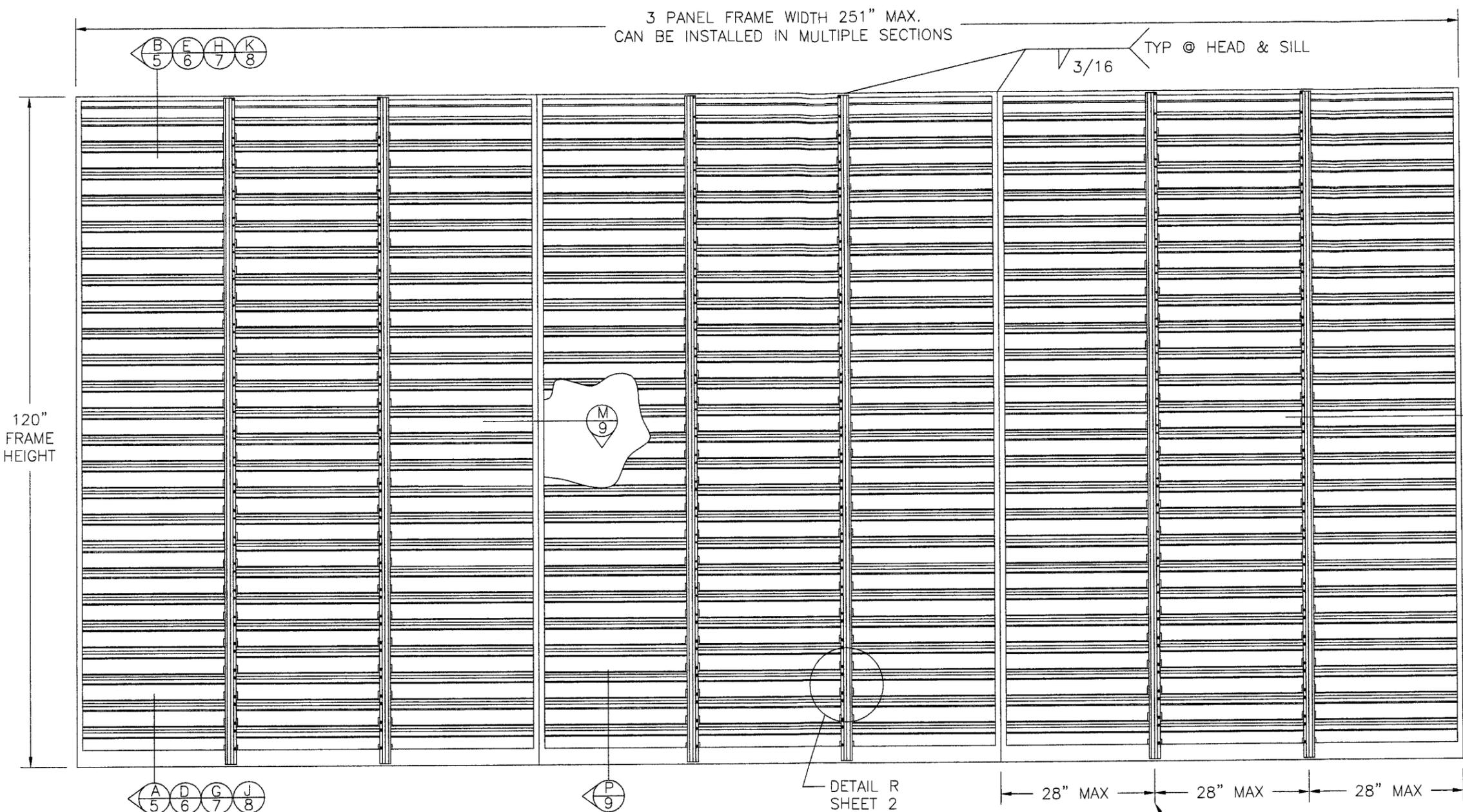
DC-638 LOUVER SYSTEM
 LARGE AND SMALL MISSILE IMPACT
 SINGLE PANEL ELEVATION & GENERAL NOTES

DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 1 OF 10

[Signature]
 10/31/08

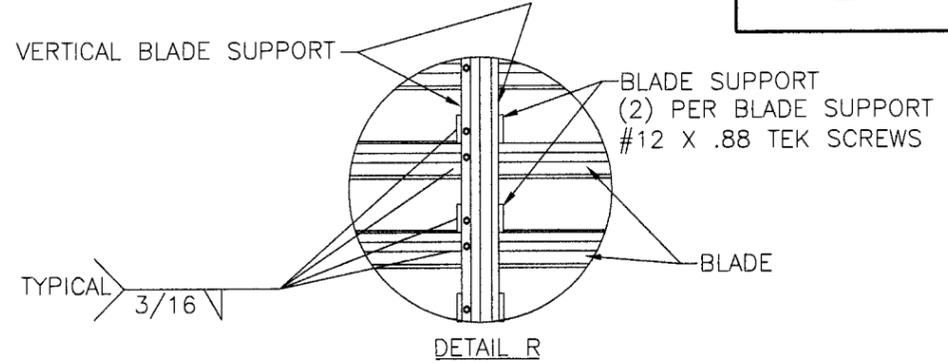
Luis R. Lomas P.E.
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



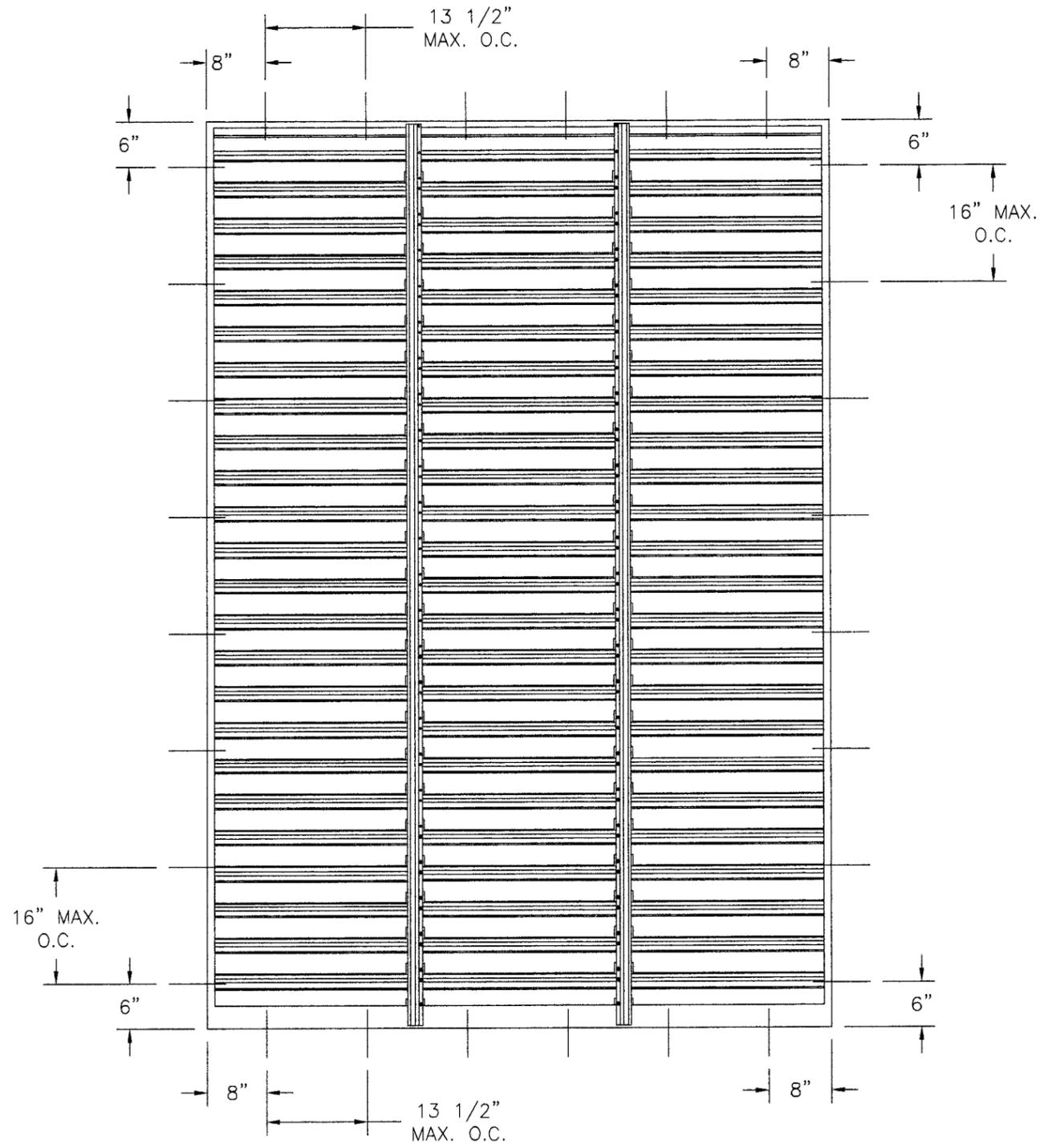
DESIGN PRESSURE RATING	IMPACT RATING
±150PSF	LARGE AND SMALL MISSILE IMPACT

TRIPLE PANEL ELEVATION SHOWN
 MULTIPLES OF MORE THAN THREE ARE APPROVED
 VIEWED FROM EXTERIOR



PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1126-05 Expiration Date 01/26/2010 By <i>[Signature]</i> Miami Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		<i>[Signature]</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514	
	DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT MULTIPLE PANEL ELEVATION	DRAWN: TJH		DWG NO. 08-00626
	SCALE NTS	DATE 10/7/08		REV - SHEET 2 OF 10

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



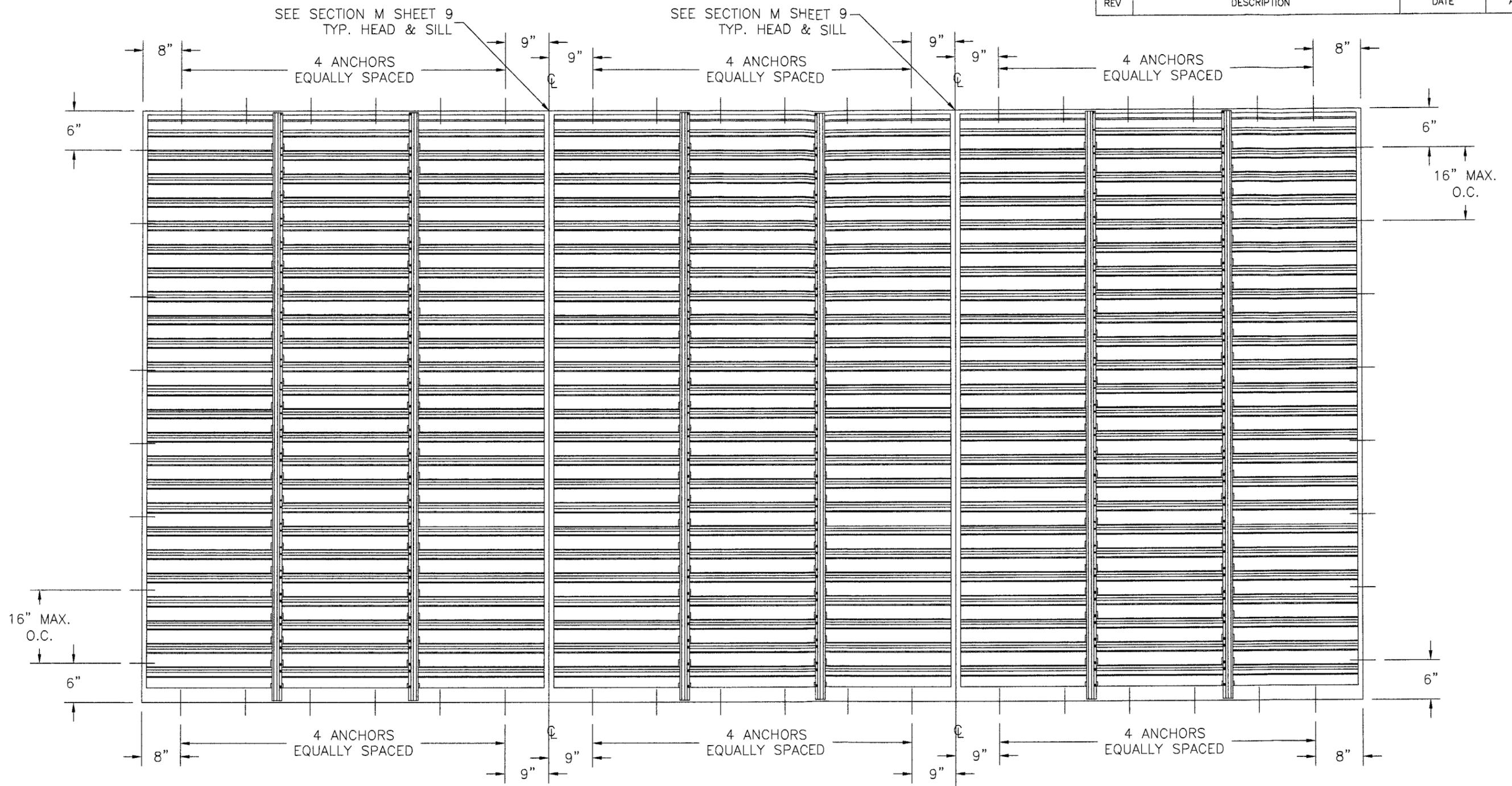
SINGLE PANEL ANCHORING

ANCHORING NOTES:

- 1) SHIM AS REQ'D. AT EA. SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAX. ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) INSTALL LOUVER SYSTEM INTO CONCRETE/MASONRY USING 3/8" HILTI KWIK BOLT 3 AT EACH CLIP WITH SUFFICIENT LENGTH TO ACHIEVE A 3 1/2" MINIMUM EMBEDMENT WITH A 3 3/4" MINIMUM EDGE DISTANCE. LOCATE CLIPS PER ELEVATION AND INSTALLATION DETAILS.
- 3) INSTALL LOUVER SYSTEM INTO SYP WOOD FRAMING USING 7/16" LAG BOLTS AT EACH CLIP WITH SUFFICIENT LENGTH TO ACHIEVE A 3 1/2" MINIMUM EMBEDMENT. LOCATE CLIPS PER PER ELEVATION AND INSTALLATION DETAILS.
- 4) ALL ANCHORS/FASTENERS TO BE CORROSION RESISTANT.
- 5) 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:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.50
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1124-05 Expiration Date 01/06/2010 By <i>[Signature]</i> Miami Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211			<i>[Signature]</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514
	DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT SINGLE PANEL ANCHORING & ANCHORING NOTES			
	DRAWN: TJH	DWG NO. 08-00626	REV -	
	SCALE NTS	DATE 10/7/08	SHEET 3 OF 10	

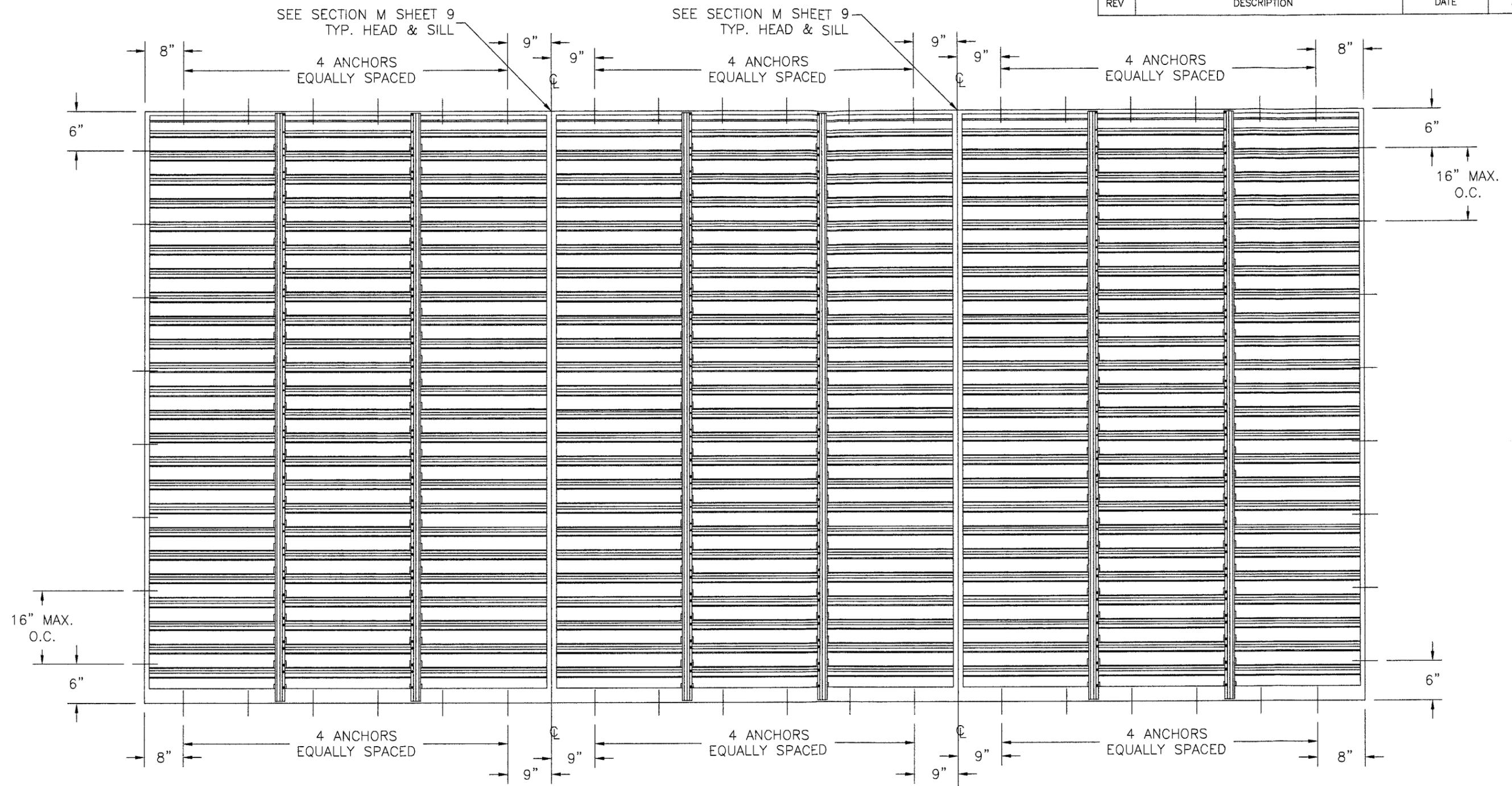
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



MULTIPLE PANEL ANCHORING
SEE ANCHORING NOTES SHT. 3

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1126.05 Expiration Date 2/1/2010 By <i>[Signature]</i> Miami Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		<i>Luis R. Lomas</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514
	DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT MULTIPLE PANEL ANCHORING		
	DRAWN: TJH	DWG NO. 08-00626	
SCALE NTS	DATE 10/7/08	SHEET 4 OF 10	

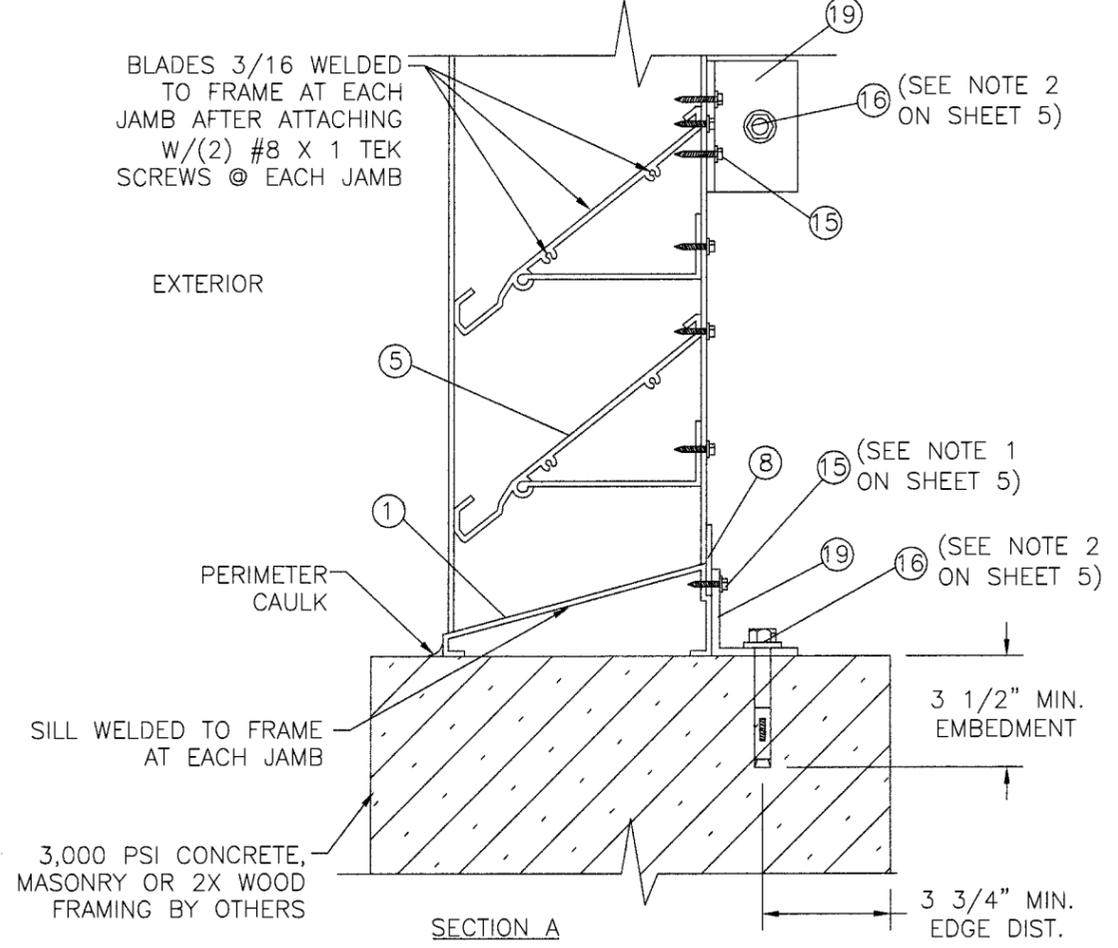
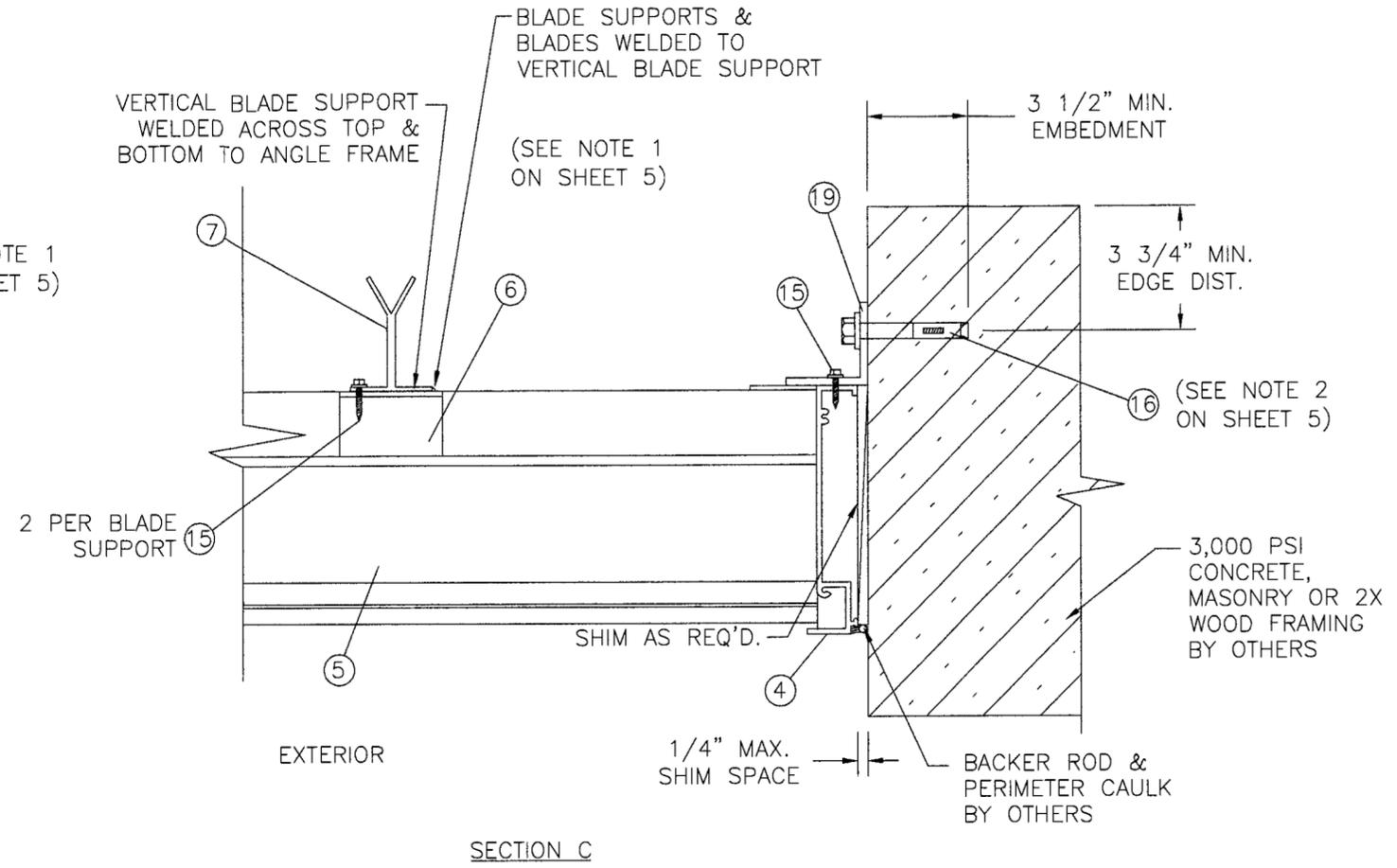
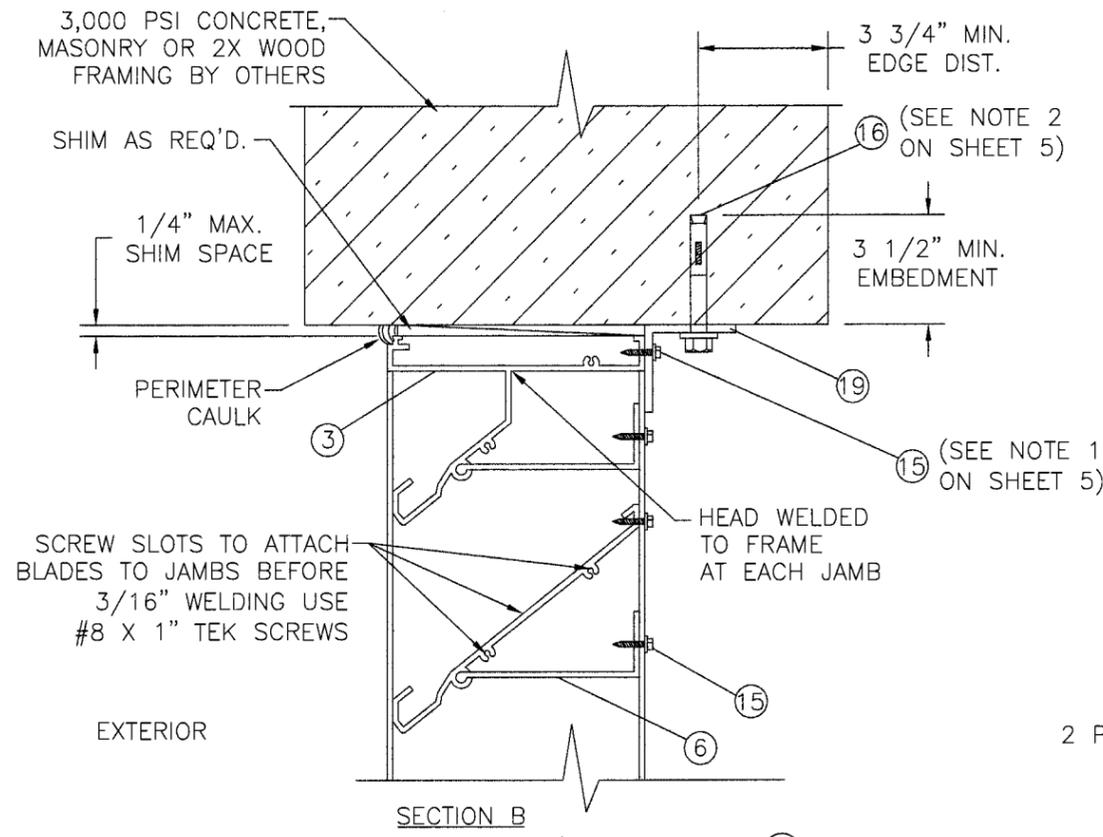
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



MULTIPLE PANEL ANCHORING
SEE ANCHORING NOTES SHT. 3

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <i>08-1126.05</i> Expiration Date <i>01/26/2010</i> By <i>[Signature]</i> Miami Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		<i>[Signature]</i> <i>10/21/08</i> Luis R. Lomas P.E. Florida No. 62514
	DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT MULTIPLE PANEL ANCHORING		
	DRAWN: TJH	DWG NO. 08-00626	
SCALE NTS	DATE 10/7/08	SHEET 4 OF 10	

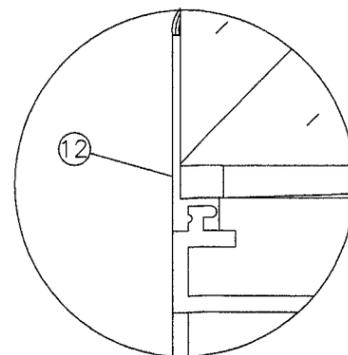
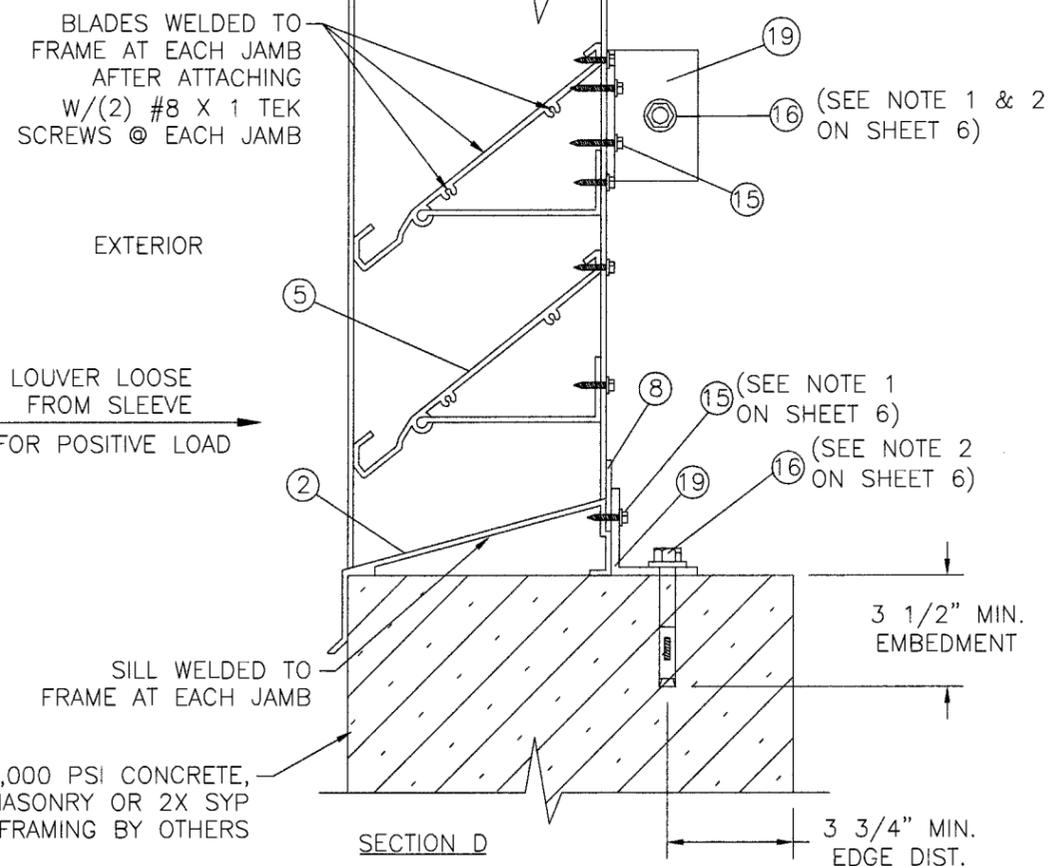
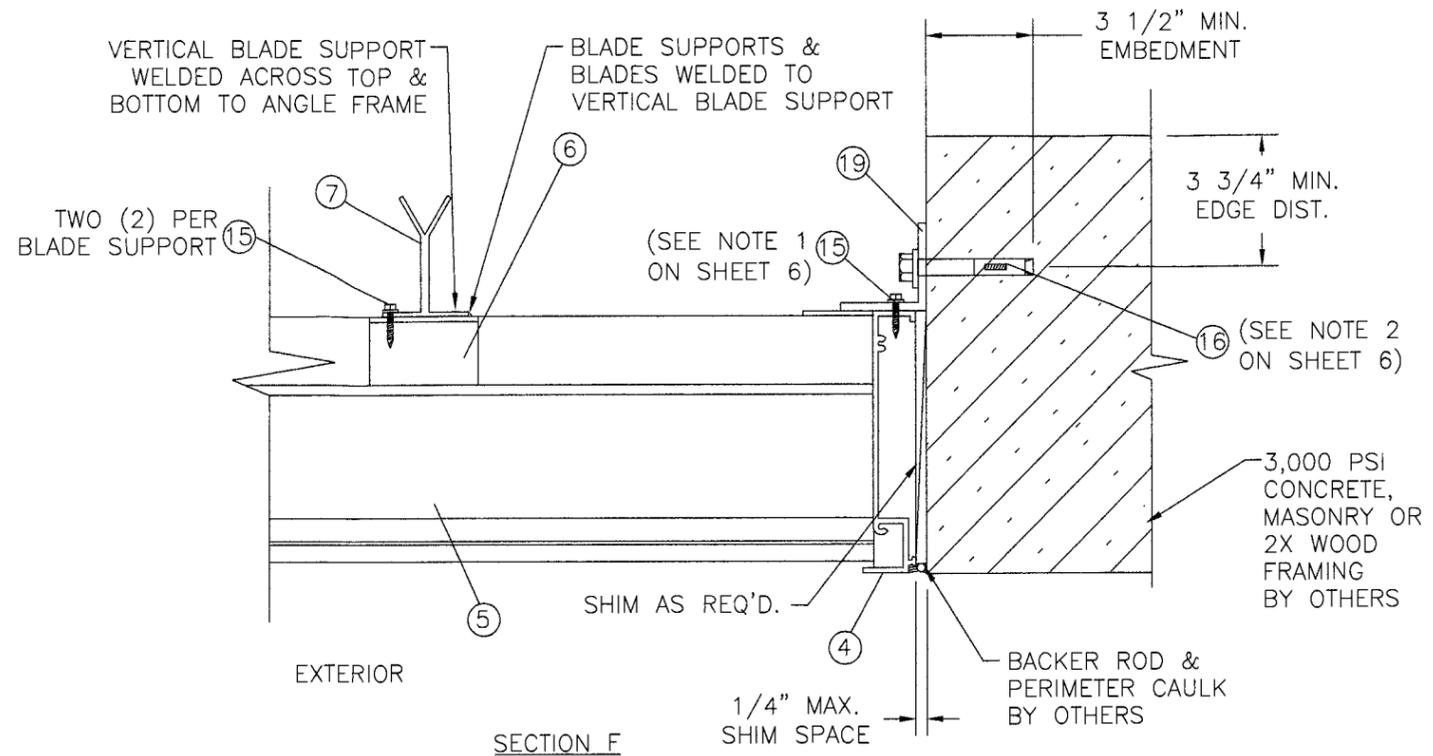
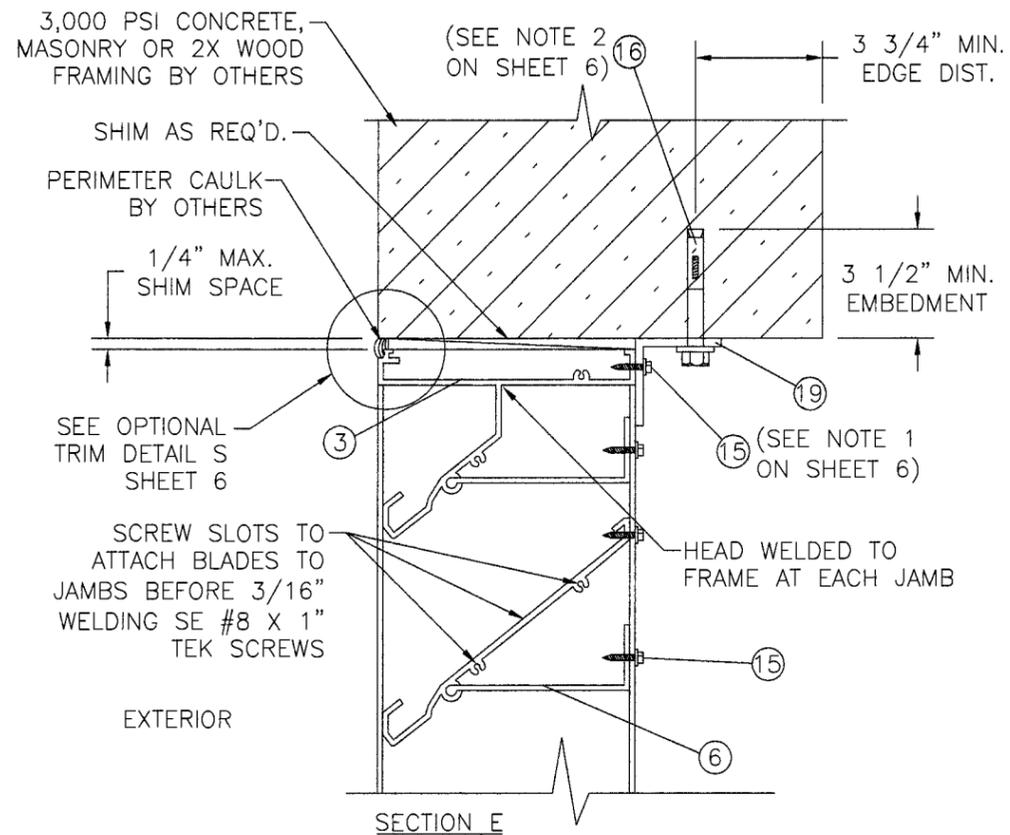
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- NOTE:
- 1) ATTACH ANGLE CLIPS (ITEM 25) TO DC-638-1 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
 - 2) WHEN ATTACHING TO A WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (TEM #23).
 - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF 10.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 08-1126.05 Expiration Date 2/10/2010 By <i>[Signature]</i> Miami Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		<i>[Signature]</i> 10/31/08
	DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638-1 INSTALLATION SECTIONS		
DRAWN: TJH	DWG NO. 08-00626	REV -	Luis R. Lomas P.E. Florida No. 62514
SCALE NTS	DATE 10/7/08	SHEET 5 OF 10	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



- NOTE:
- 1) ATTACH ANGLE CLIPS TO DC-638-2 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
 - 2) WHEN ATTACHING TO A SYP WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (ITEM #27).
 - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF 10.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. *DB-1126-05*
 Expiration Date *01/26/2010*
 By *[Signature]*
 Material Control Division

LEADER INDUSTRIES, INC.

2509 CRUZEN STREET
 NASHVILLE, TN 37211

DC-638 LOUVER SYSTEM
 LARGE AND SMALL MISSILE IMPACT
 DC-638-2 INSTALLATION SECTIONS

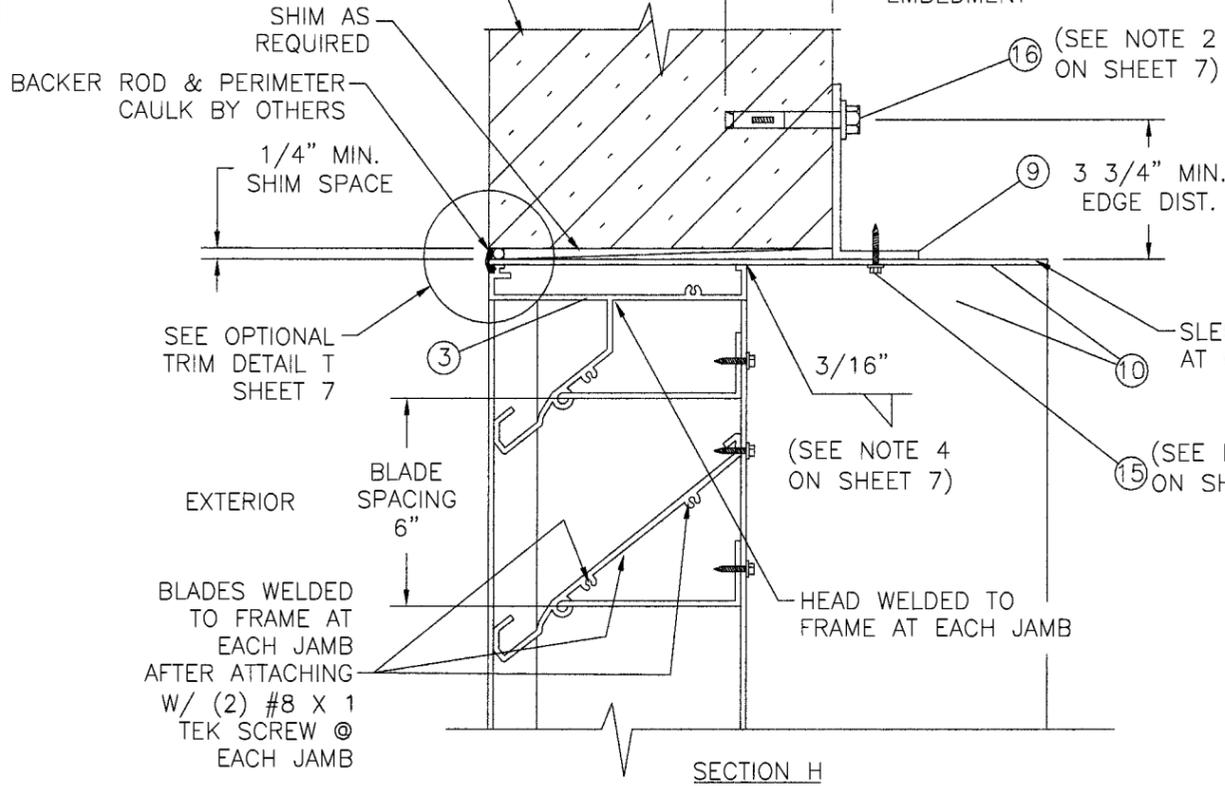
DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 6 OF 10

[Signature]
 10/31/08

Luis R. Lomas P.E.
 Florida No. 62514

3,000 PSI CONCRETE, MASONRY OR 2X WOOD FRAMING BY OTHERS

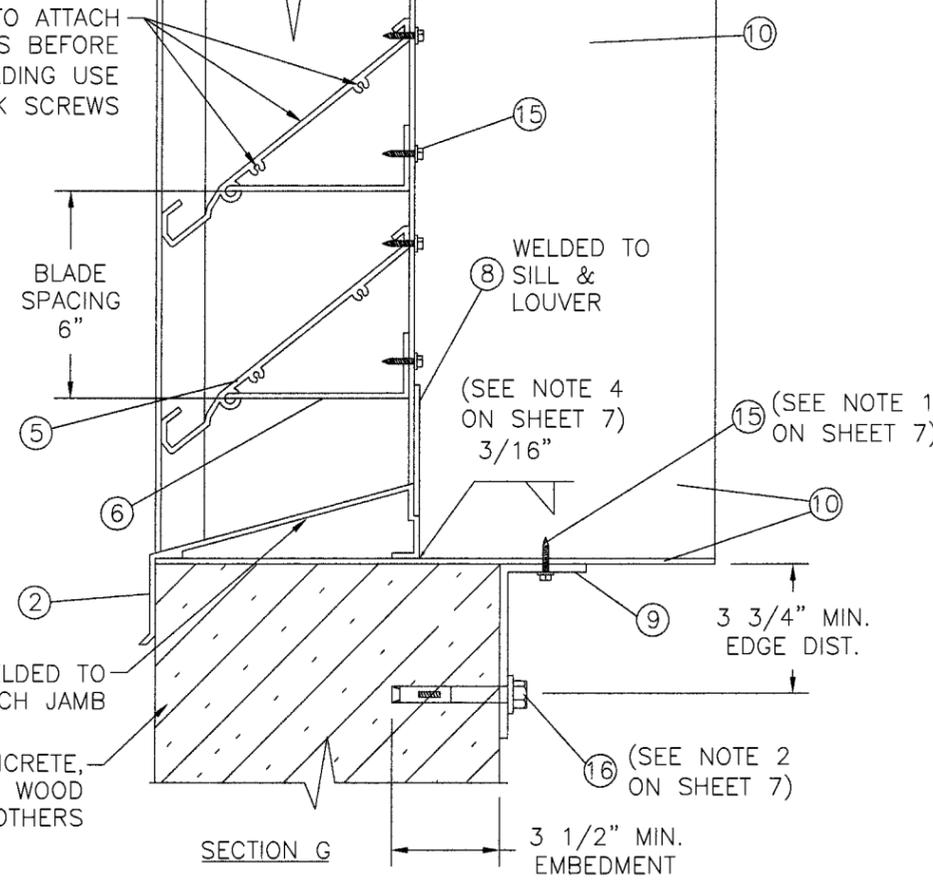
3 1/2" MIN. EMBEDMENT



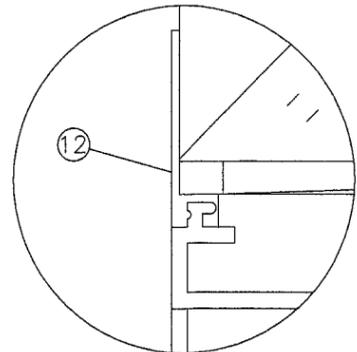
SECTION H

SCREW SLOTS TO ATTACH BLADES TO JAMBS BEFORE 3/16" WELDING USE #8 X 1" TEK SCREWS

EXTERIOR

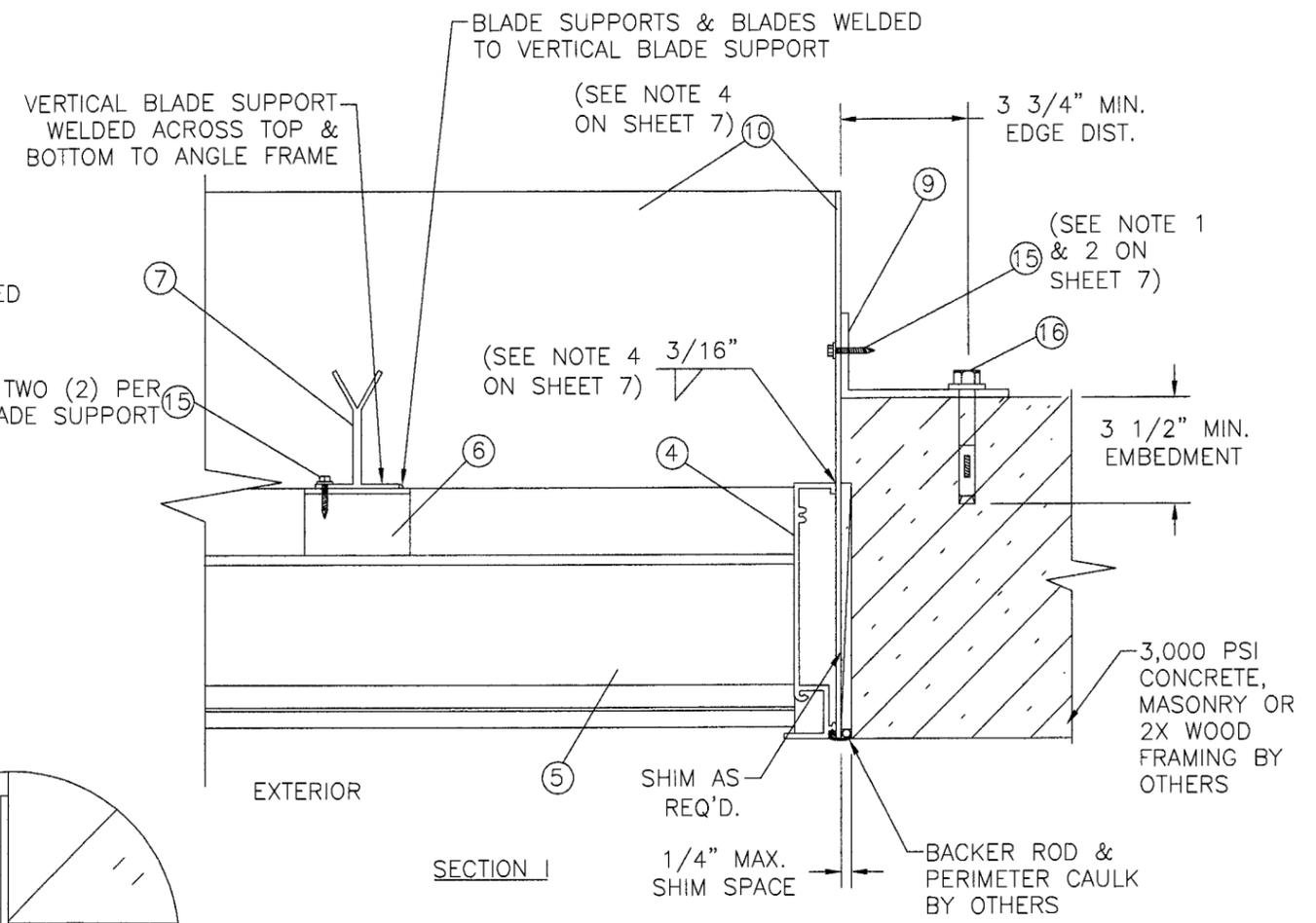


SECTION G



OPTIONAL TRIM DETAIL T IF NOT TRIMMED BACKER ROD & CAULK REQ'D.

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SECTION I

NOTE:

- 1) ATTACH ANGLE CLIPS (ITEM #9) TO SLEEVE (ITEM #10) WITH #12-14 X .88 TEK SCREWS (ITEM #15), SPACING AS FOLLOWS: HEAD AND SILL; 8" FROM ENDS, 13 1/2" MAX. O.C. JAMBS; AT 6" FROM ENDS, 16" MAX. O.C.
- 2) WHEN ATTACHING TO A SYP WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (ITEM #27).
- 3) ANGLE CLIPS SPACED AS SHOWN ON SHEET 3 OF 10.
- 4) SLEEVE TO BE WELDED TO LOUVER SYSTEM WITH 1/8" X 1 1/2" FILLET WELD LOCATED 4" FROM EACH END AND 14" MAX. MAX. O.C. THEREAFTER.

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No. 08-1126.05
 Expiration Date 01/26/2010
 By [Signature]
 1 final Date Product Control Division

LEADER INDUSTRIES, INC.
 2509 CRUZEN STREET
 NASHVILLE, TN 37211

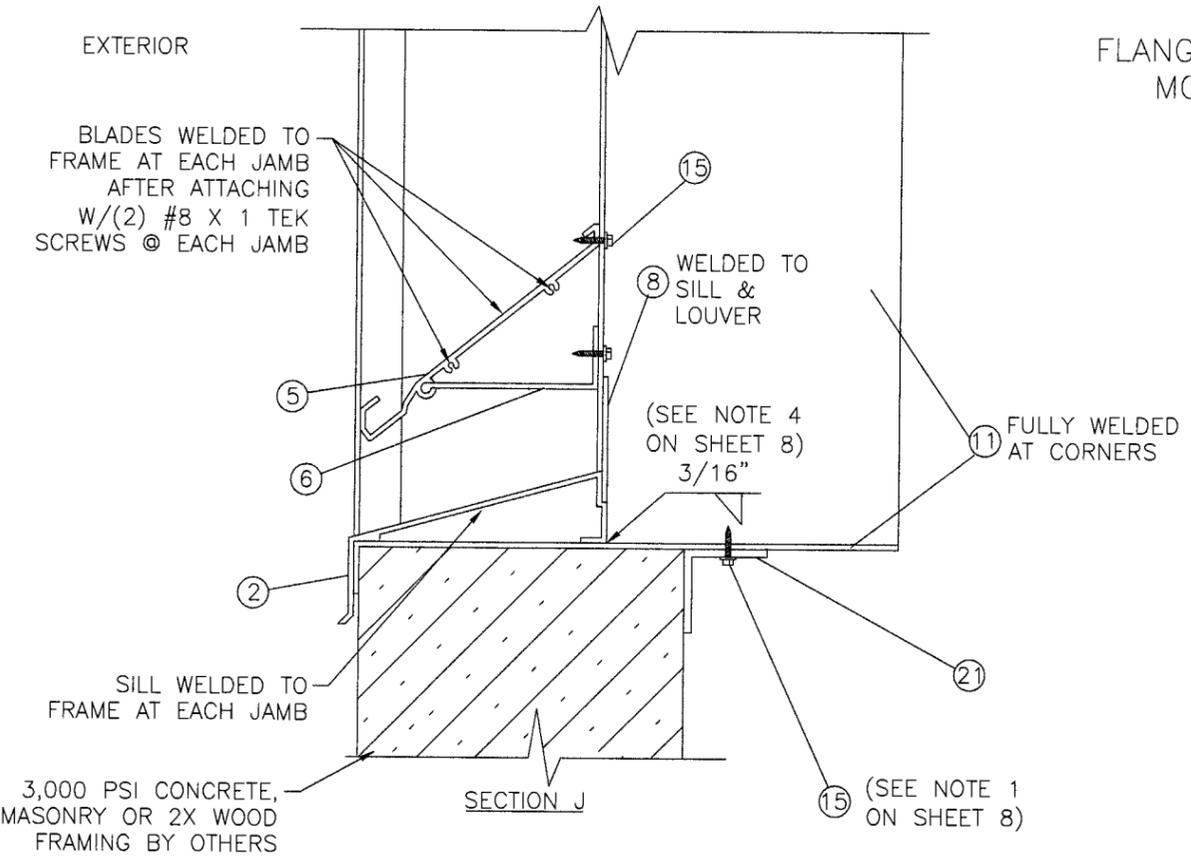
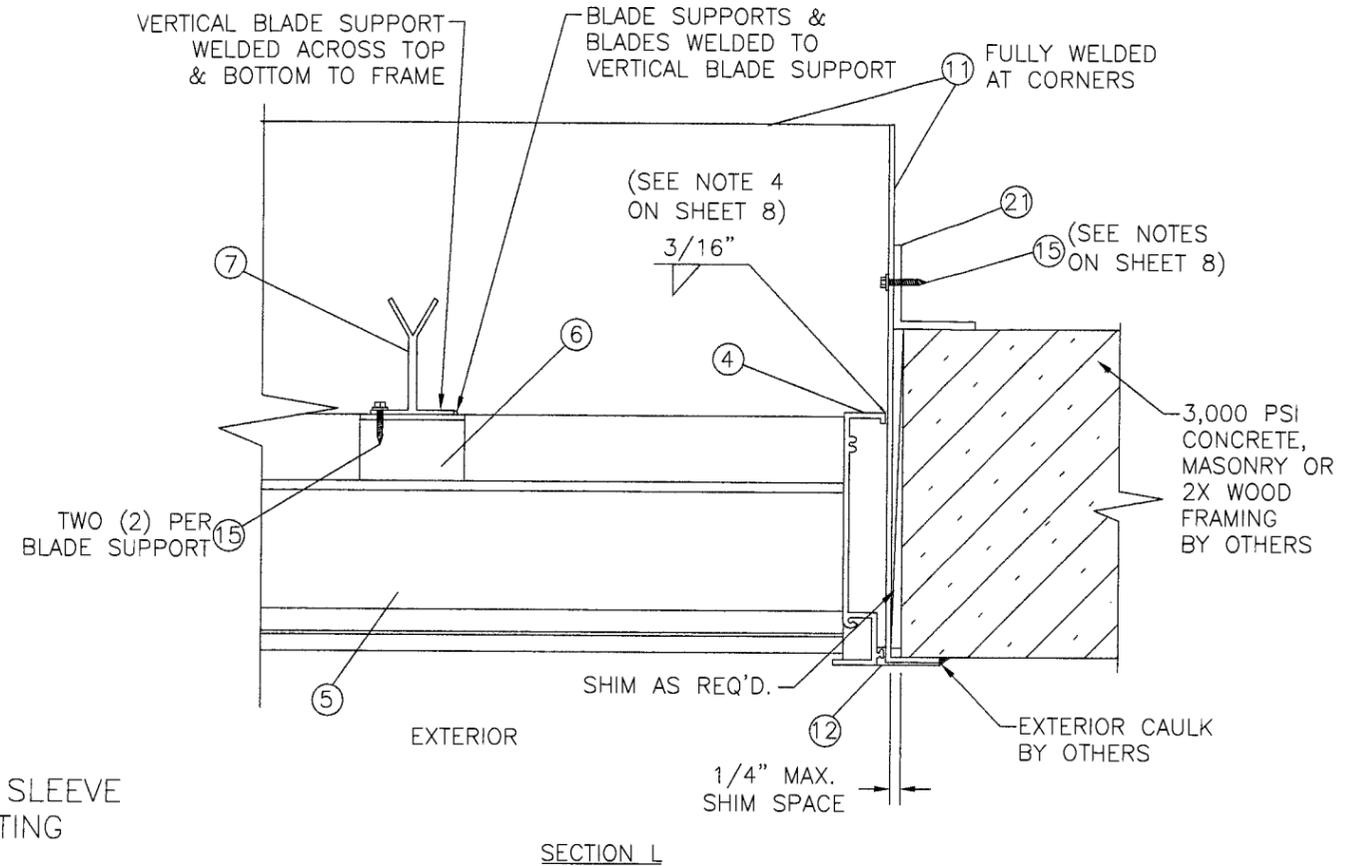
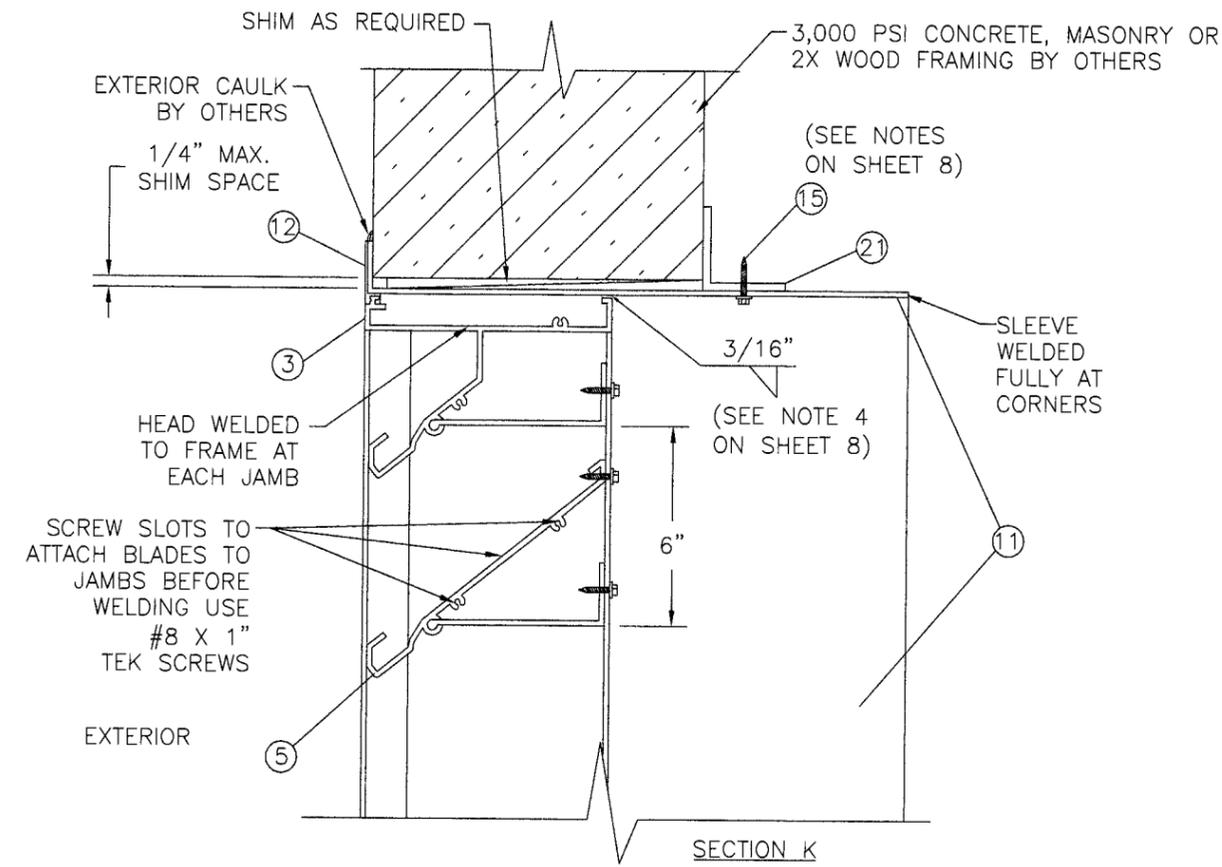
DC-638 LOUVER SYSTEM
 LARGE AND SMALL MISSILE IMPACT
 DC-638-3 INSTALLATION SECTIONS

[Signature]
 10/31/08

DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 7 OF 10

Luis R. Lomas P.E.
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

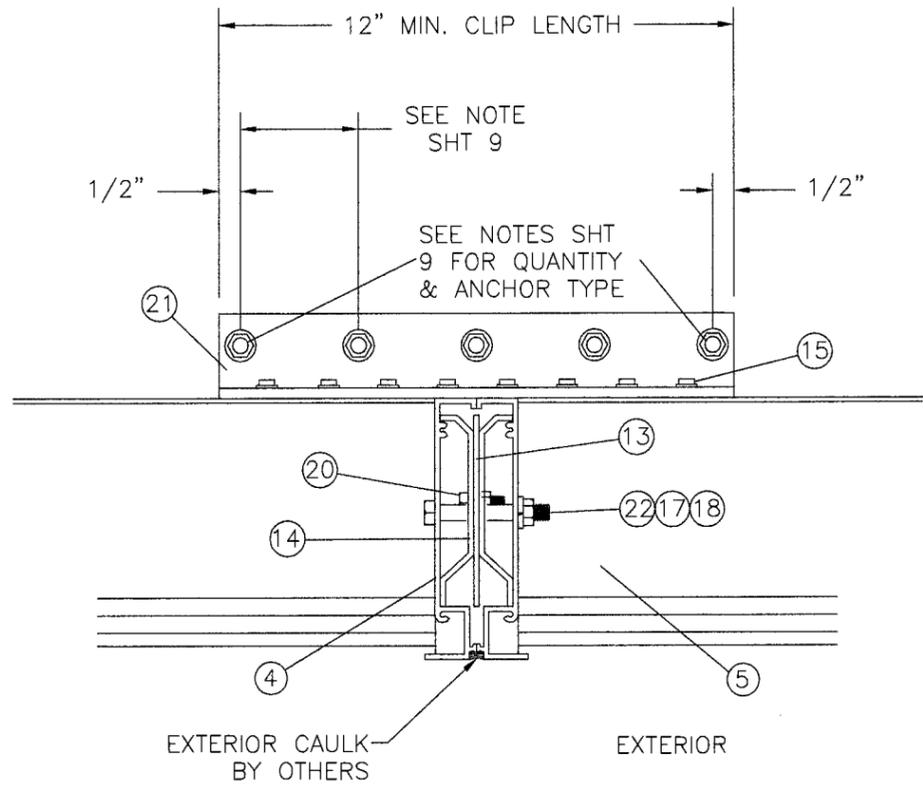


FLANGED SLEEVE MOUNTING

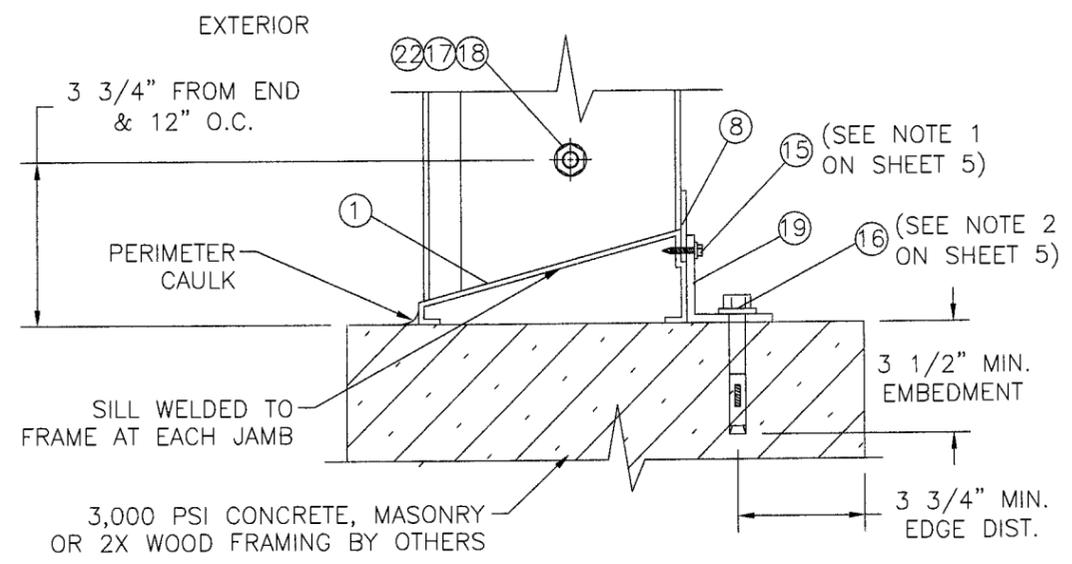
- NOTE:
- 1) ATTACH CONTINUOUS ANGLE (ITEM #21) TO SLEEVE (ITEM #11) WITH #12-14 X .88 TEK SCREWS (ITEM #15) SPACING AS FOLLOWS: HEAD AND SILL; 8" FROM ENDS, 13 1/2" MAX. O.C. JAMBS; AT 6" FROM ENDS, 16" MAX. O.C.
 - 2) THIS CONFIGURATION DC-638-4 LOUVER SYSTEM IS NOT MECHANICALLY FASTENED TO SUBSTRATE.
 - 3) ANGLE CLIPS SPACED AS SHOWN ON SHEET 3 OF 10.
 - 4) SLEEVE TO BE WELDED TO LOUVER SYSTEM WITH 1/8" X 1 1/2" FILLET WELD LOCATED 4" FROM EACH END AND 14" MAX. MAX. O.C. THEREAFTER.

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1126.05 Expiration Date 2/1/2010 By <i>[Signature]</i> Minimal Data Product Control Division</p>	<p>LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211</p>		<p><i>[Signature]</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514</p>	
	<p>DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638-4 INSTALLATION SECTIONS</p>			
	<p>DRAWN: TJH</p>	<p>DWG NO. 08-00626</p>		<p>REV -</p>
	<p>SCALE NTS</p>	<p>DATE 10/7/08</p>		<p>SHEET 8 OF 10</p>

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



SECTION M
TYP. @ BOTH ENDS OF MULLION



SECTION P

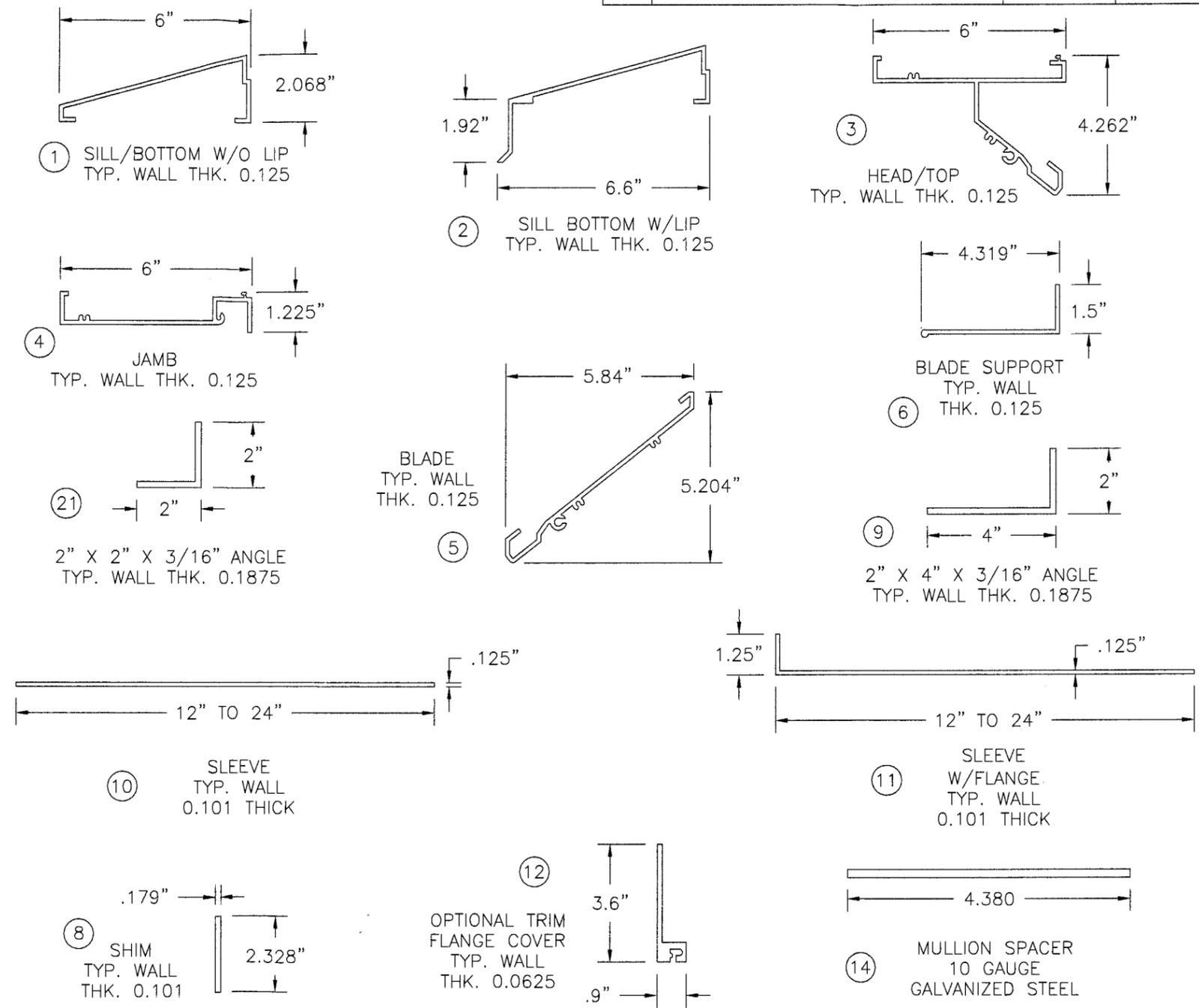
NOTES:

1. WHEN ATTACHING MULL CLIP TO CONCRETE USE (5) HILTI KWIK BOLT 3 ANCHORS SPACED 2 3/4" APART MIN.
2. WHEN ATTACHING MULL CLIP TO WOOD FRAMING USE (8) 7/16" x 4" LAG SCREWS SPACED 1 9/16" APART.
3. WHEN ATTACHING MULL CLIP TO STEEL FRAMING USE (5) #12 TEK SCREWS SPACED 2 3/4" APART MIN.

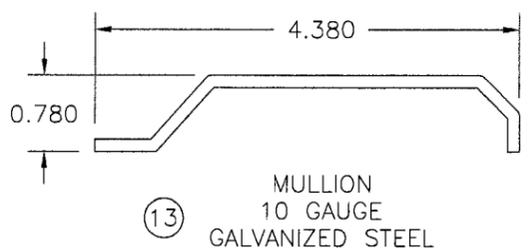
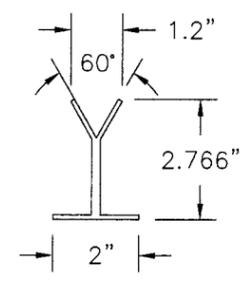
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1126.05 Expiration Date 01/06/2010 By <i>[Signature]</i> Miami Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		<i>[Signature]</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514	
	DC-638 LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT DC-638 MULLION INSTALLATION			
	DRAWN: TJH	DWG NO. 08-00626		REV -
	SCALE NTS	DATE 10/7/08		SHEET 9 OF 10

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	80466	SILL/BOTTOM W/O LIP	BRT EXTRUSIONS	ALUM. 6063-T5
2	22855	SILL/BOTTOM W/LIP	BRT EXTRUSIONS	ALUM. 6063-T5
3	22943	HEAD/TOP	BRT EXTRUSIONS	ALUM. 6063-T5
4	22852	JAMB	BRT EXTRUSIONS	ALUM. 6063-T5
5	22851	BLADE	BRT EXTRUSIONS	ALUM. 6063-T5
6	22854	BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
7		VERTICAL BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
8		SHIM	LEADER	
9		2" x 4" x 3/16" ANGLE	LEADER	ALUM. 6063-T5
10		SLEEVE	LEADER	ALUM. 6063-T5
11		FLANGE SLEEVE	LEADER	ALUM. 6063-T5
12		OPTIONAL TRIM FLANGE COVER	LEADER	ALUM. 6063-T5
13		MULLION SPACER 10ga.	LEADER	GALVANIZED STEEL
14		CONCEALED MULLION 10ga.	LEADER	GALVANIZED STEEL
15		#12-14 x .88" TEK SCREW		STAINLESS STEEL
16		3/8" HILTI KWIK BOLT 3	HILTI	STAINLESS STEEL
17		3/8" LOCK WASHER		STAINLESS STEEL
18		3/8-16 NUT		STAINLESS STEEL
19		2" x 2" x 3/16" x 2" ANGLE	LEADER	ALUM. 6063-T5
20		5/16" x 1" BOLT & NUT		STAINLESS STEEL
21		2" x 2" x 3/16" ANGLE	LEADER	ALUM. 6063-T5
22		3/8-16 x 3" BOLT		STAINLESS STEEL
23		7/16" x 4" LAG SCREW		STAINLESS STEEL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



VERTICAL
BLADE SUPPORT
TYP. WALL
THK. 0.101



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 08-1126-05
Expiration Date 2/1/2010
By [Signature]
Miami Dade Product Control
Division

LEADER INDUSTRIES, INC.
2509 CRUZEN STREET
NASHVILLE, TN 37211

DC-638 LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
BILL OF MATERIALS & COMPONENTS

[Signature]
10/31/08

Luis R. Lomas P.E.
Florida No. 62514

DRAWN: TJH	DWG NO. 08-00626	REV -
SCALE NTS	DATE 10/7/08	SHEET 10 OF 10