



**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.miamidade.gov/buildingcode](http://www.miamidade.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 renewal 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 **renews NOA # 08-1126.05** 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*  
 10/14/09

**NOA No. 09-0916.02**  
**Expiration Date: January 06, 2015**  
**Approval Date: November 04, 2009**

**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.  
*"Submitted under NOA # 08-1126.05"*

**D. QUALITY ASSURANCE**

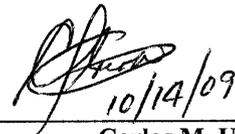
1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

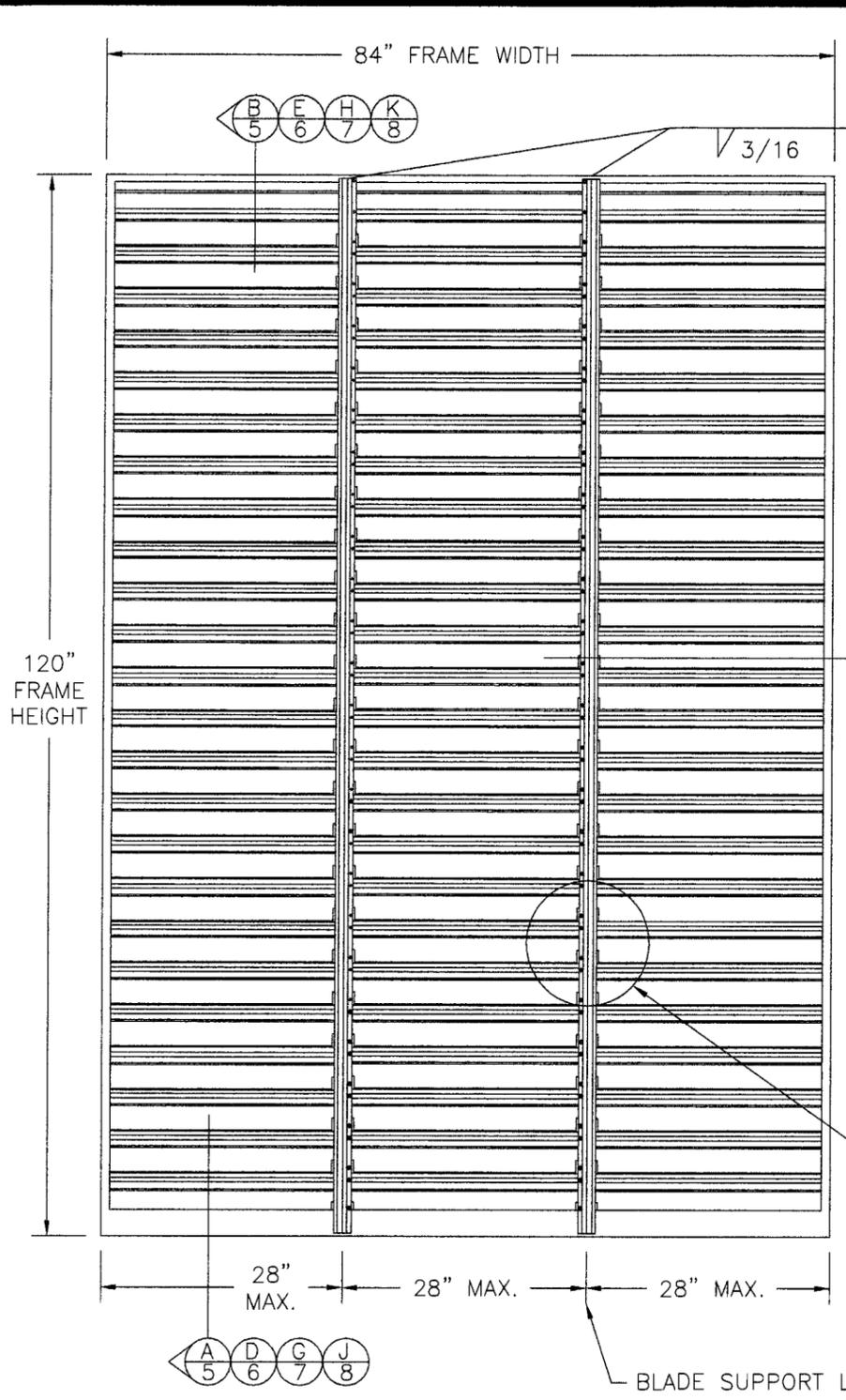
1. Code compliance and no financial interest letter issued by L. Roberto Lomas, P.E., dated 08/27/09, and signed by Luis R. Lomas, P.E.



10/14/09

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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 09-0916.02**  
**Expiration Date: January 06, 2015**  
**Approval Date: November 04, 2009**

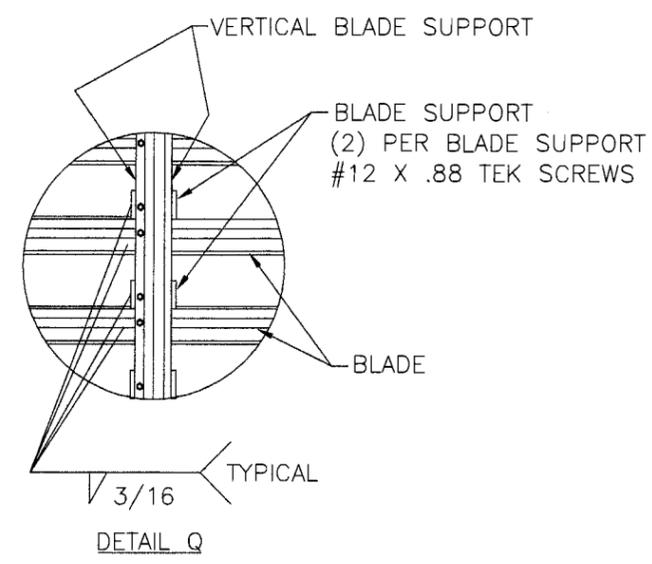


TYP @ HEAD & SILL

C 5 F 6 I 7 L 8

DETAIL Q SHEET 1

BLADE SUPPORT LOCATION



| 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           |

SINGLE PANEL ELEVATION VIEWED FROM EXTERIOR

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

**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 07-0916.02  
 Expiration Date 01/06/2015  
 By *[Signature]*  
 Miami/Dade Product Control Division

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 08-1126.05  
 Expiration Date 01/06/2015  
 By *[Signature]*  
 Miami/Dade Product Control Division

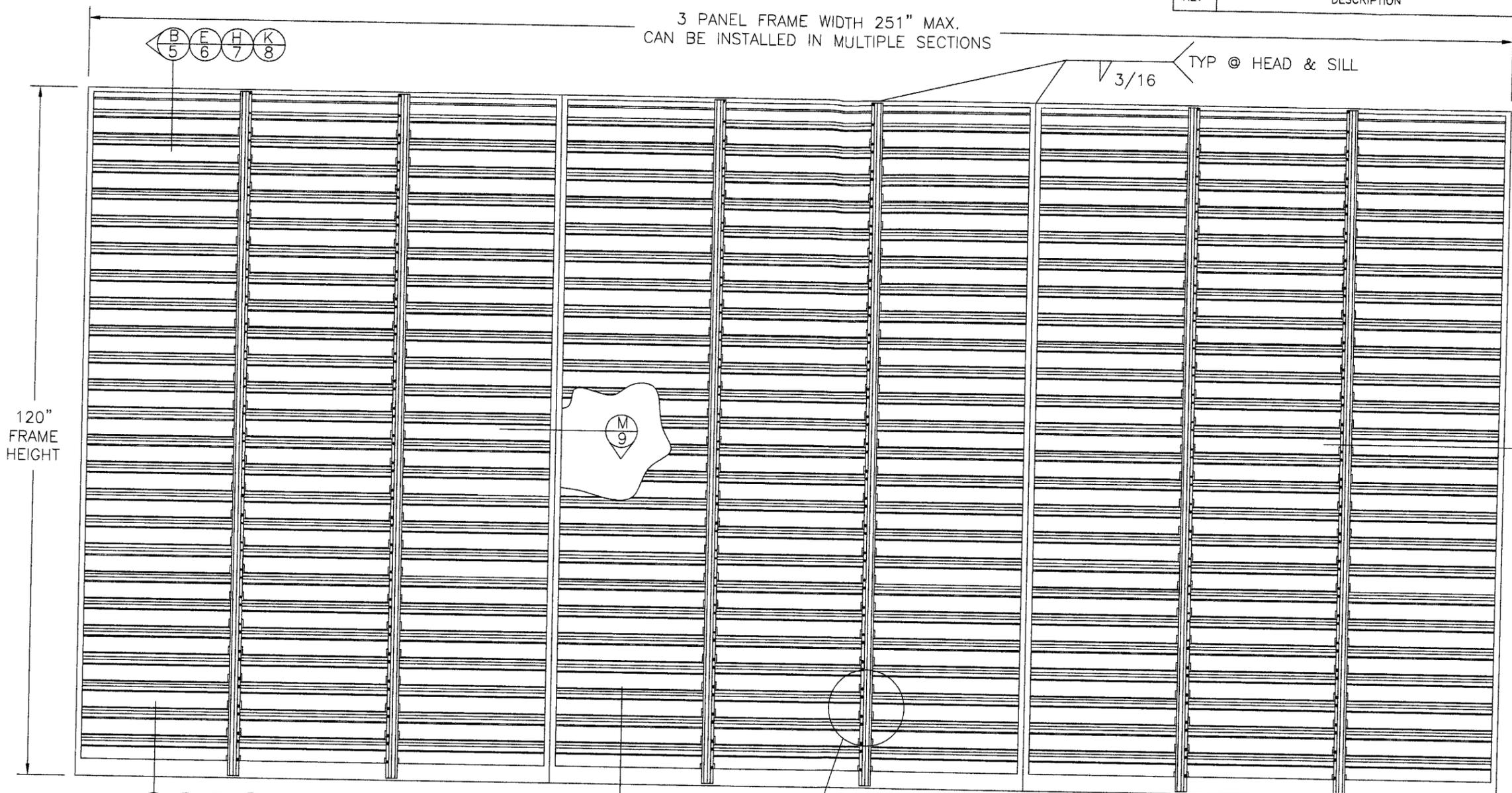
**LEADER INDUSTRIES, INC.**  
 2509 CRUZEN STREET  
 NASHVILLE, TN 37211

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

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

*Luis R. Lomas*  
 10/31/08  
 Luis R. Lomas P.E.  
 Florida No. 62514

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |
|           |             |      |          |



3 PANEL FRAME WIDTH 251" MAX.  
CAN BE INSTALLED IN MULTIPLE SECTIONS

TYP @ HEAD & SILL

120" FRAME HEIGHT

B  
5  
E  
6  
H  
7  
K  
8

C  
5  
F  
6  
I  
7  
L  
8

A  
5  
D  
6  
G  
7  
J  
8

P  
9

DETAIL R  
SHEET 2

28" MAX

28" MAX

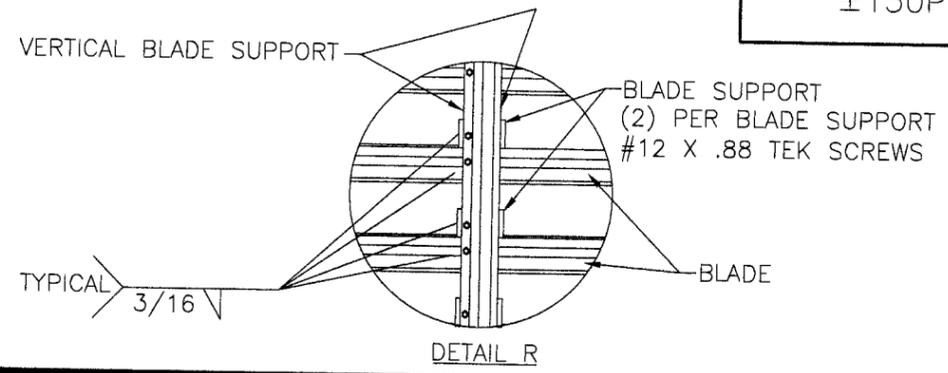
28" MAX

BLADE SUPPORT LOCATION

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

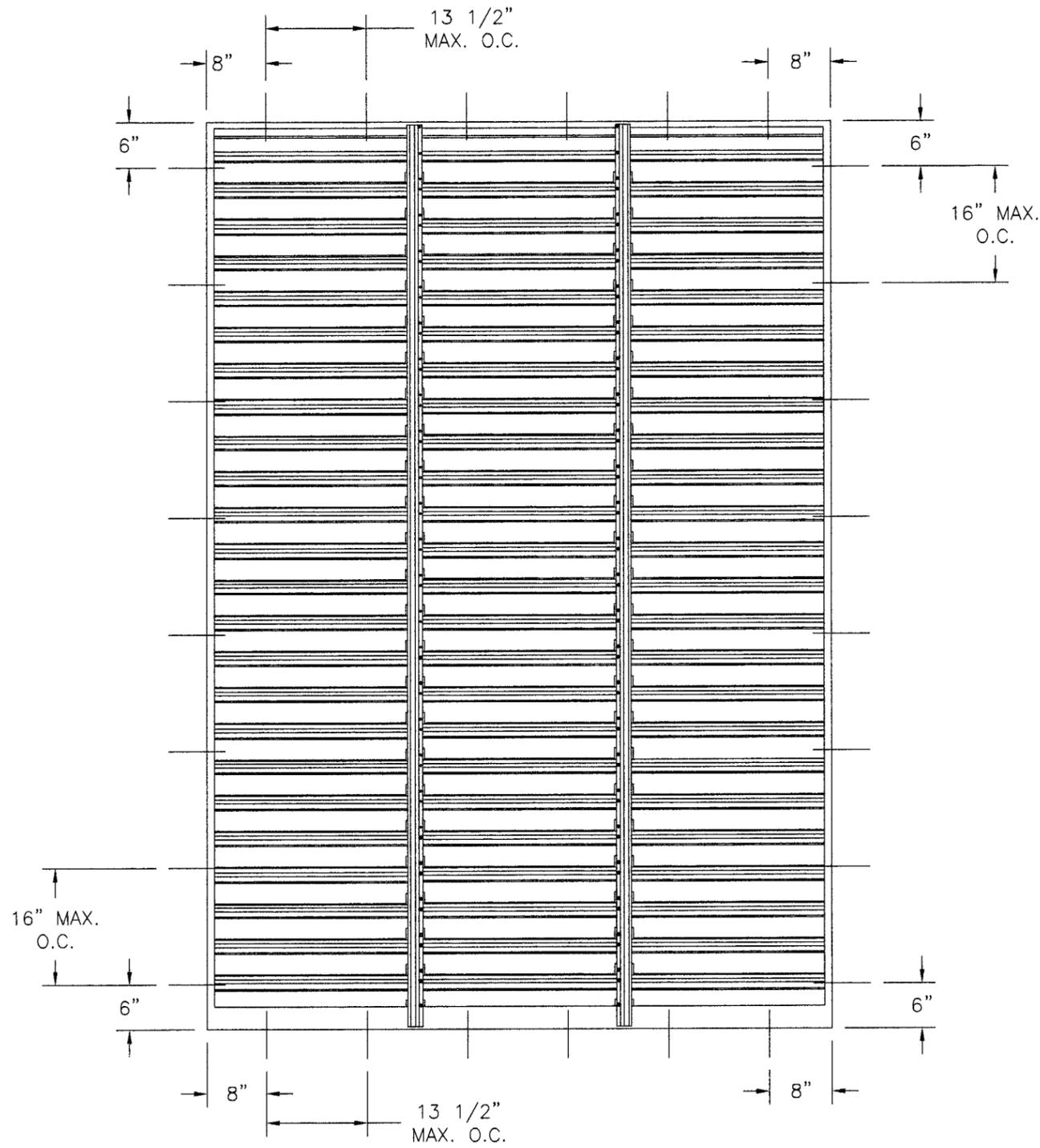
TRIPLE PANEL ELEVATION SHOWN  
MULTIPLES OF MORE THAN THREE ARE APPROVED  
VIEWED FROM EXTERIOR

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 07-0916.02  
Expiration Date 01/06/2015  
By *[Signature]*  
Miami Dade Product Control  
Division



|   |  |               |   |
|---|--|---------------|---|
| <b>PRODUCT REVISED</b><br>as complying with the Florida<br>Building Code<br>Acceptance No 08-1126.05<br>Expiration Date 01/06/2010<br>By <i>[Signature]</i><br>Miami Dade Product Control<br>Division | <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211        |               | <i>Luis R. Lomas</i><br>10/31/08        |
|   | DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>MULTIPLE PANEL ELEVATION |               |   |
| DRAWN:<br>TJH   | DWG NO.<br>08-00626  | REV<br>-      | Luis R. Lomas P.E.<br>Florida No. 62514 |
| SCALE NTS   | DATE 10/7/08   | SHEET 2 OF 10 |   |

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |
|           |             |      |          |



SINGLE PANEL ANCHORING

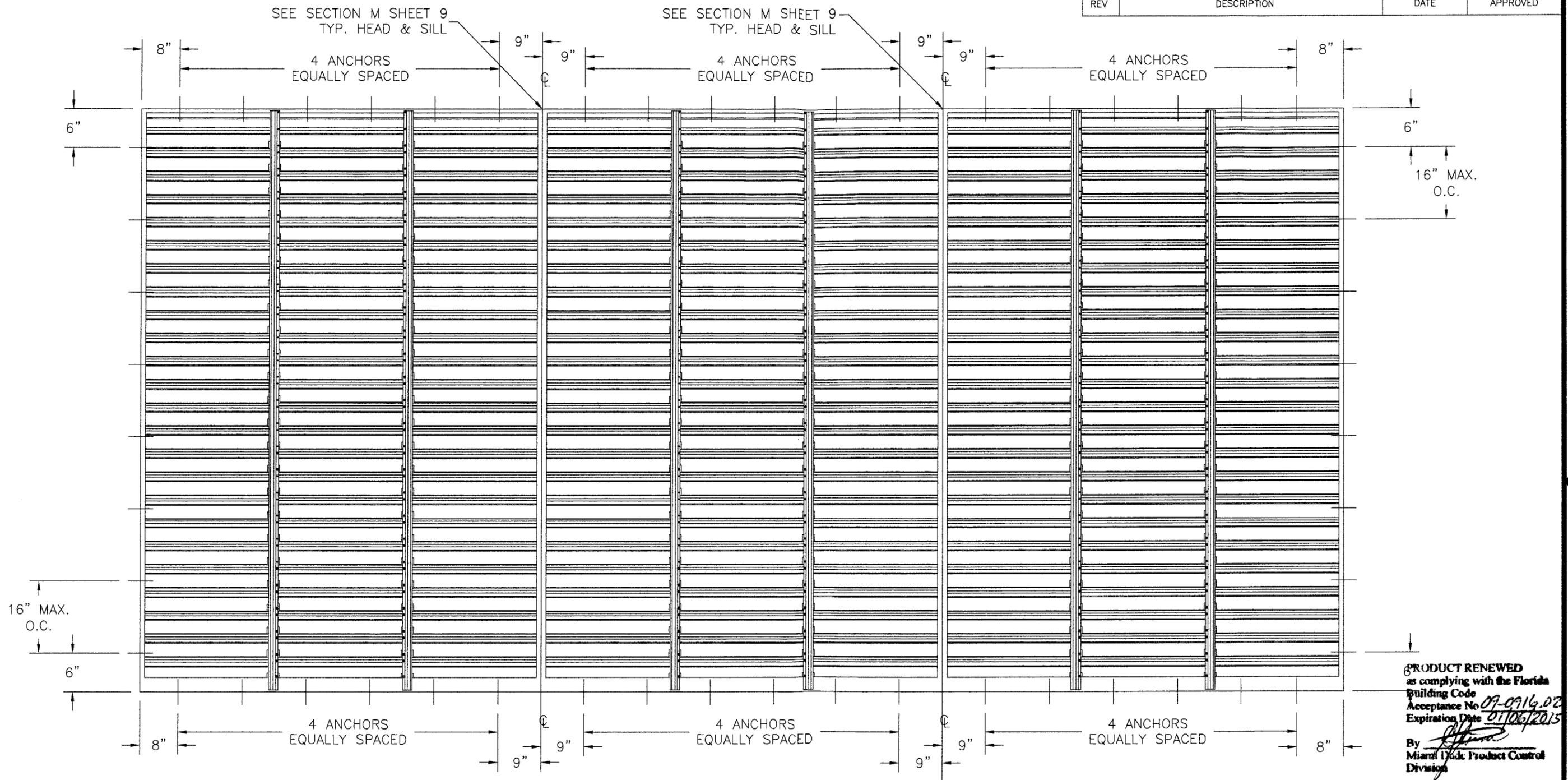
**ANCHORING NOTES:**

- 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 RENEWED  
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 By *[Signature]*  
 Miami Dade Product Control  
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|--|--|---------------------|---|---------------|
| <b>PRODUCT REVISED</b><br>as complying with the Florida<br>Building Code<br>Acceptance No. 08-1126.05<br>Expiration Date 01/06/2010<br>By <i>[Signature]</i><br>Miami Dade Product Control<br>Division | <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211                        |                     | <i>[Signature]</i><br>10/31/08<br><br>Luis R. Lomas P.E.<br>Florida No. 62514 |               |
|  | DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>SINGLE PANEL ANCHORING & ANCHORING NOTES |                     |   |               |
|  | DRAWN:<br>TJH  | DWG NO.<br>08-00626 |   | REV<br>-      |
|  | SCALE NTS  | DATE 10/7/08        |   | SHEET 3 OF 10 |

| REVISIONS |             |      |          |
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| REV       | DESCRIPTION | DATE | APPROVED |
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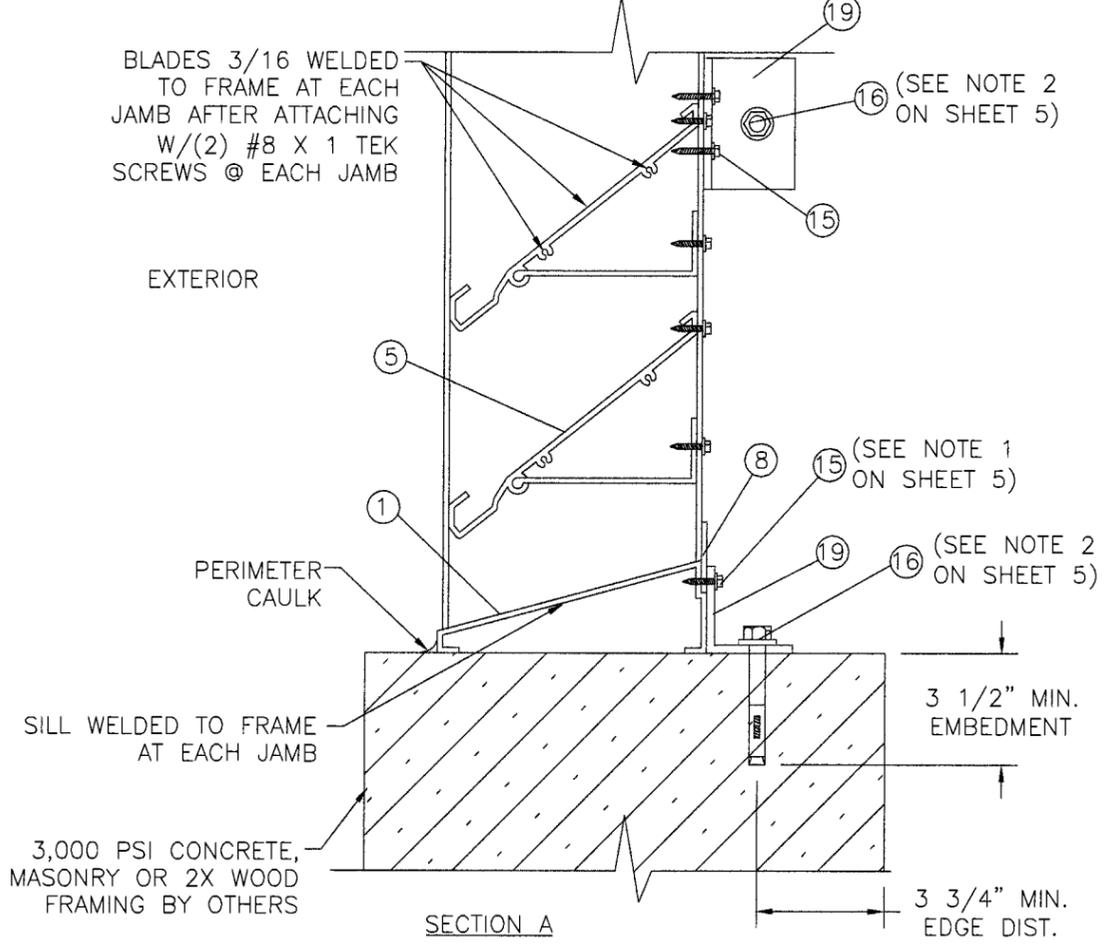
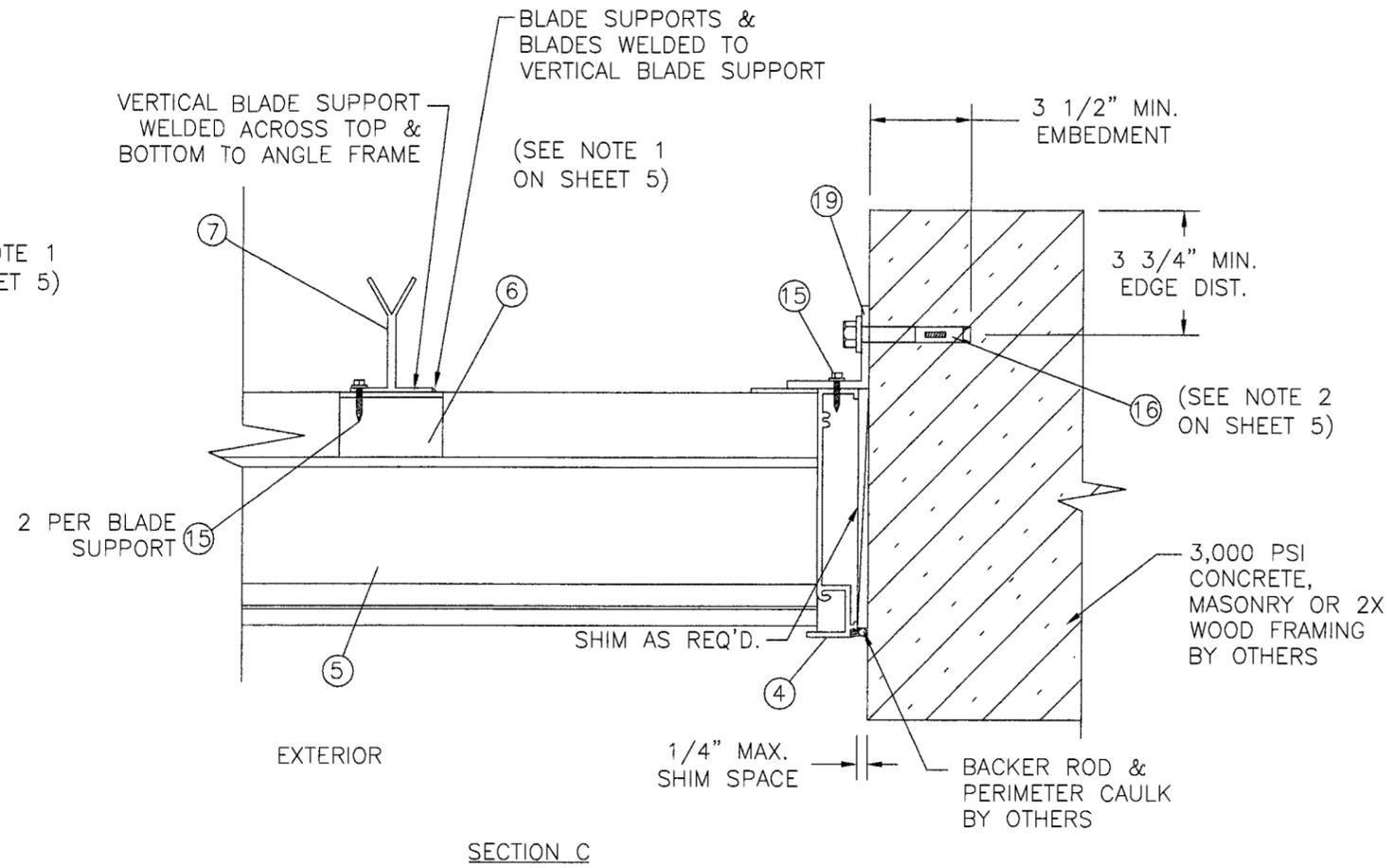
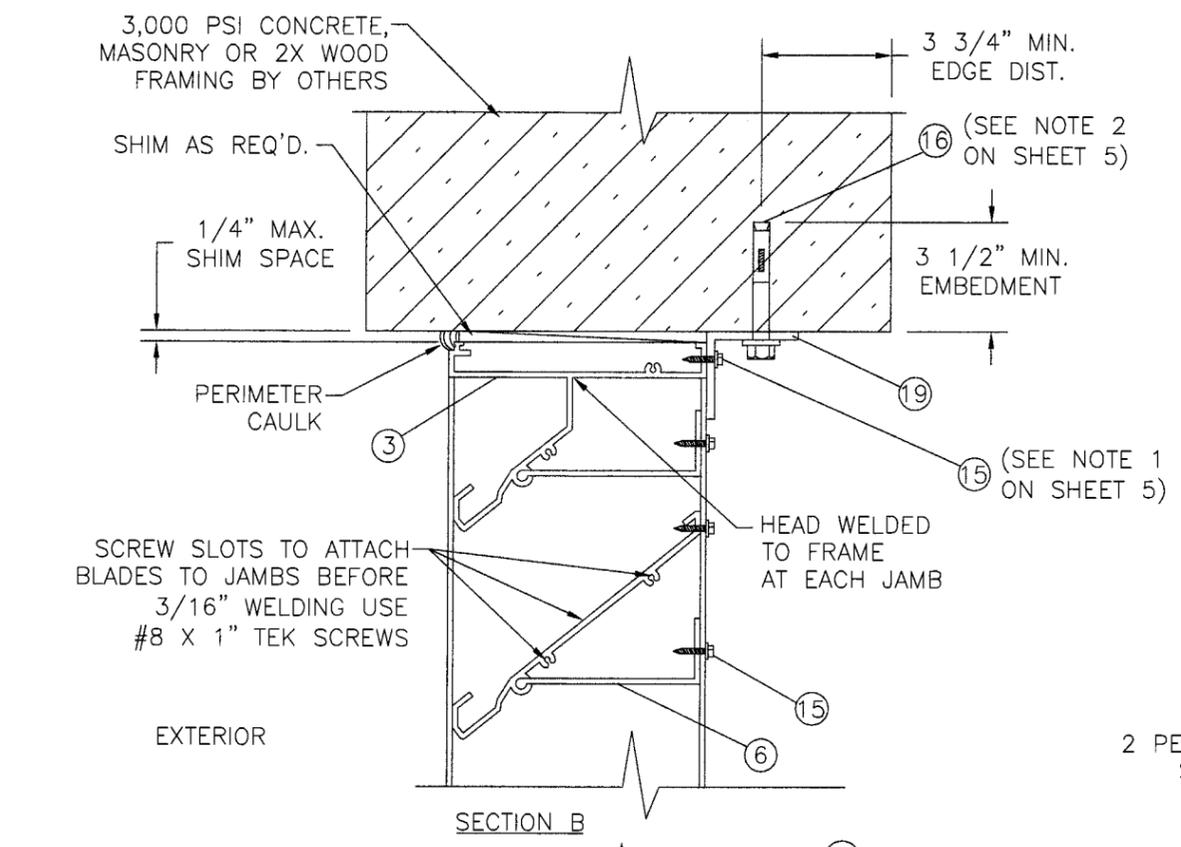


MULTIPLE PANEL ANCHORING  
SEE ANCHORING NOTES SHT. 3

PRODUCT RENEWED  
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Building Code  
Acceptance No. *07-0914.02*  
Expiration Date *01/06/2015*  
By *[Signature]*  
Miami Dade Product Control  
Division

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| <b>PRODUCT REVISED</b><br>as complying with the Florida<br>Building Code<br>Acceptance No. <i>08-1126.05</i><br>Expiration Date <i>01/06/2010</i><br>By <i>[Signature]</i><br>Miami Dade Product Control<br>Division | <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211        |                     | <i>[Signature]</i><br><br><i>10/31/08</i><br><br>Luis R. Lomas P.E.<br>Florida No. 62514 |
|  | DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>MULTIPLE PANEL ANCHORING |                     |  |
|  | DRAWN:<br>TJH  | DWG NO.<br>08-00626 |  |
| SCALE NTS  | DATE 10/7/08   | SHEET 4 OF 10       |  |

| REVISIONS |             |      |          |
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| REV       | DESCRIPTION | DATE | APPROVED |
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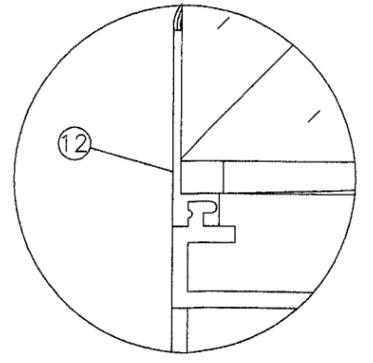
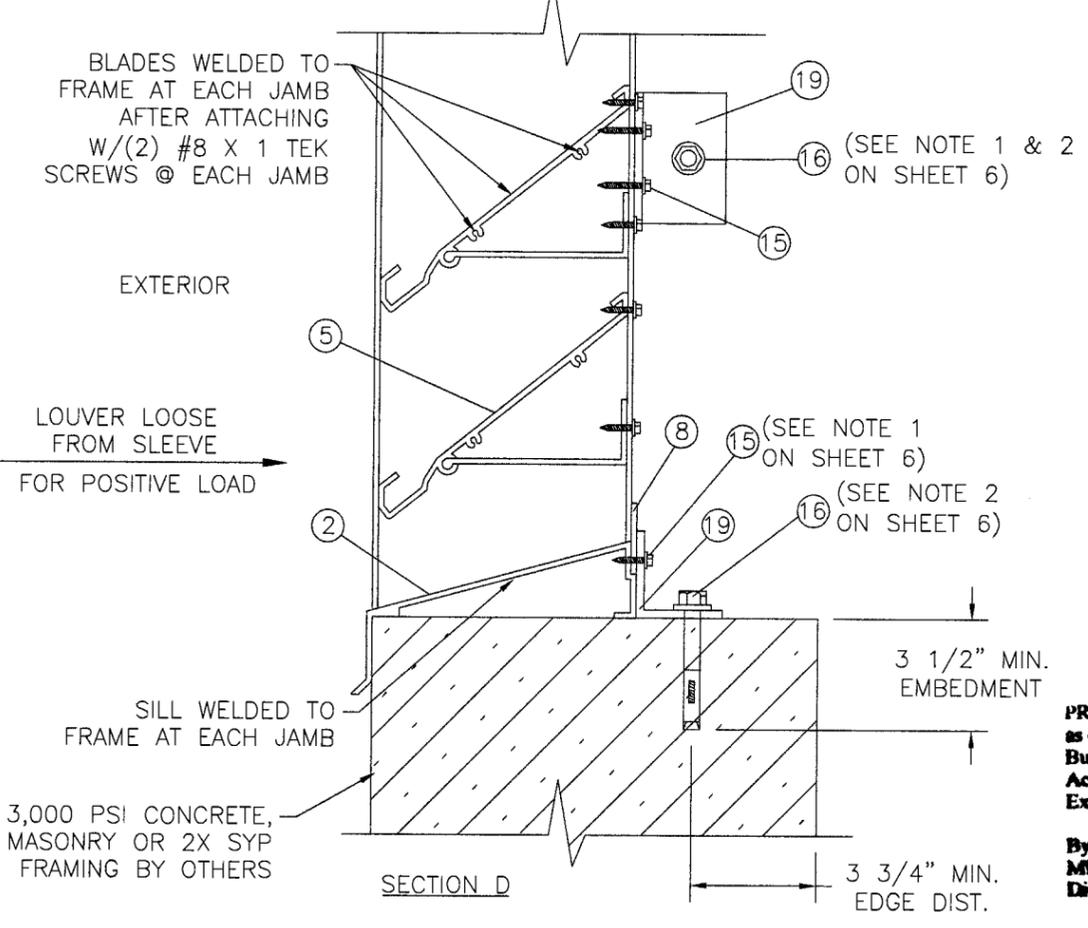
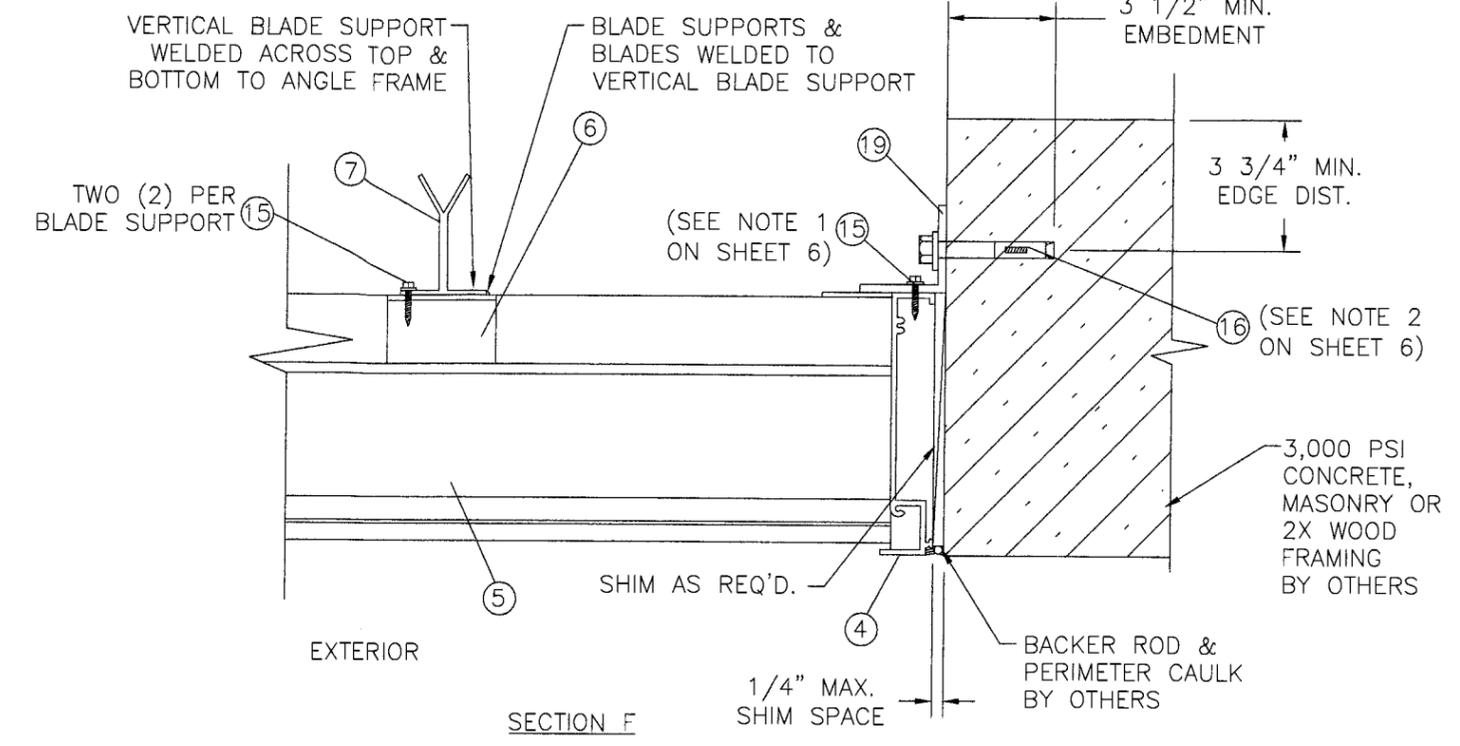
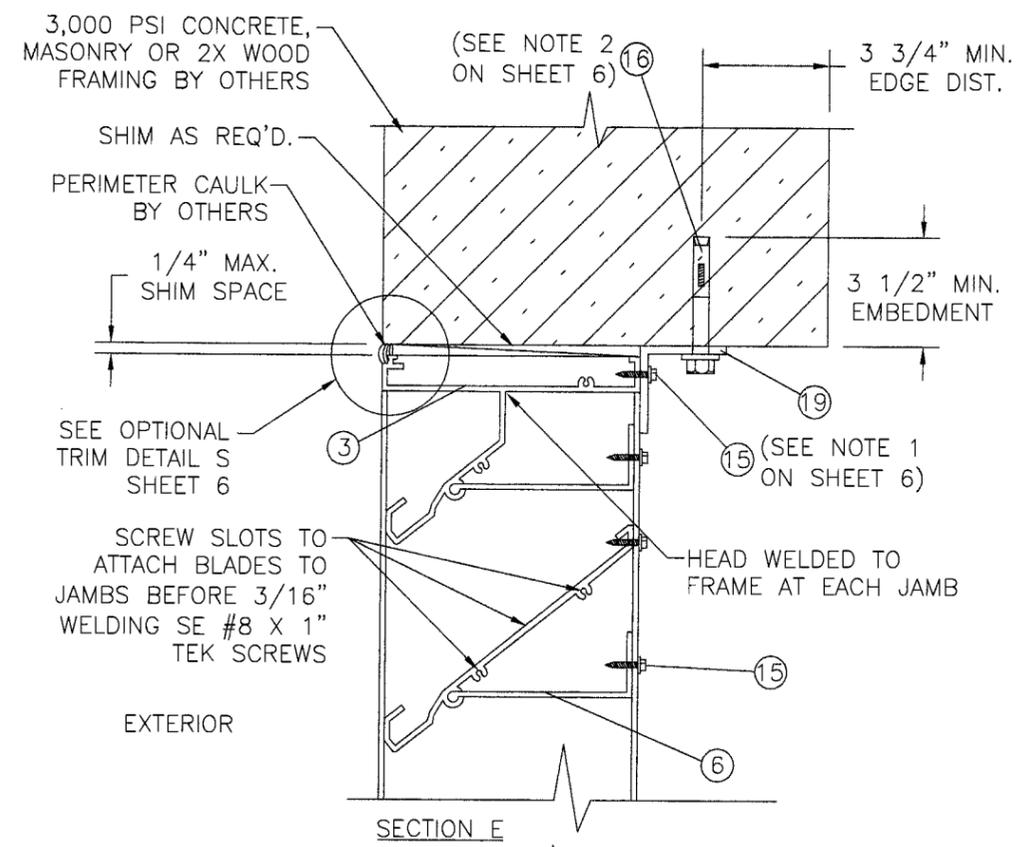


- NOTE:
- 1) ATTACH ANGLE CLIPS (ITEM 25) TO DC-638-1 LOUVER SYSTEM WITH TWO (2) # 12-14 X .88 TEK SCREWS (ITEM #15).
  - 2) WHEN ATTACHING TO A WOOD SUBSTRATE, REPLACE 3/8" HILTI KWIK BOLT 3 ANCHOR (ITEM #16) WITH 7/16" X 4" LAG SCREW (TEM #23).
  - 3) SPACING OF ANGLE CLIPS INDICATED ON SHEET 3 OF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

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 09-0916.02  
 Expiration Date 01/06/2015  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

|   |  |                     |   |
|---|--|---------------------|---|
| <b>PRODUCT REVISED</b><br>as complying with the Florida<br>Building Code<br>Acceptance No 08-1126.05<br>Expiration Date 01/06/2010<br>By <i>[Signature]</i><br>Miami Dade Product Control<br>Division | <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211              |                     | <i>[Signature]</i><br>10/31/08<br><br>Luis R. Lomas P.E.<br>Florida No. 62514 |
|   | DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>DC-638-1 INSTALLATION SECTIONS |                     |   |
|   | DRAWN:<br>TJH  | DWG NO.<br>08-00626 |   |
| SCALE NTS   | DATE 10/7/08   | SHEET 5 OF 10       |   |

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |
|           |             |      |          |



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

- 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 RENEWED  
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Expiration Date 01/06/2015  
By *[Signature]*  
Miami Dade Product Control  
Division

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Building Code  
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By *[Signature]*  
Miami Dade Product Control  
Division

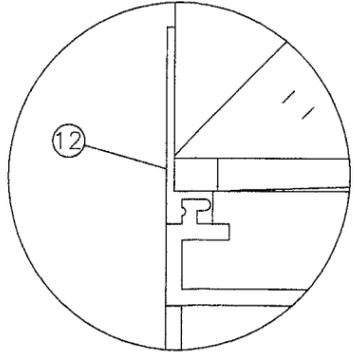
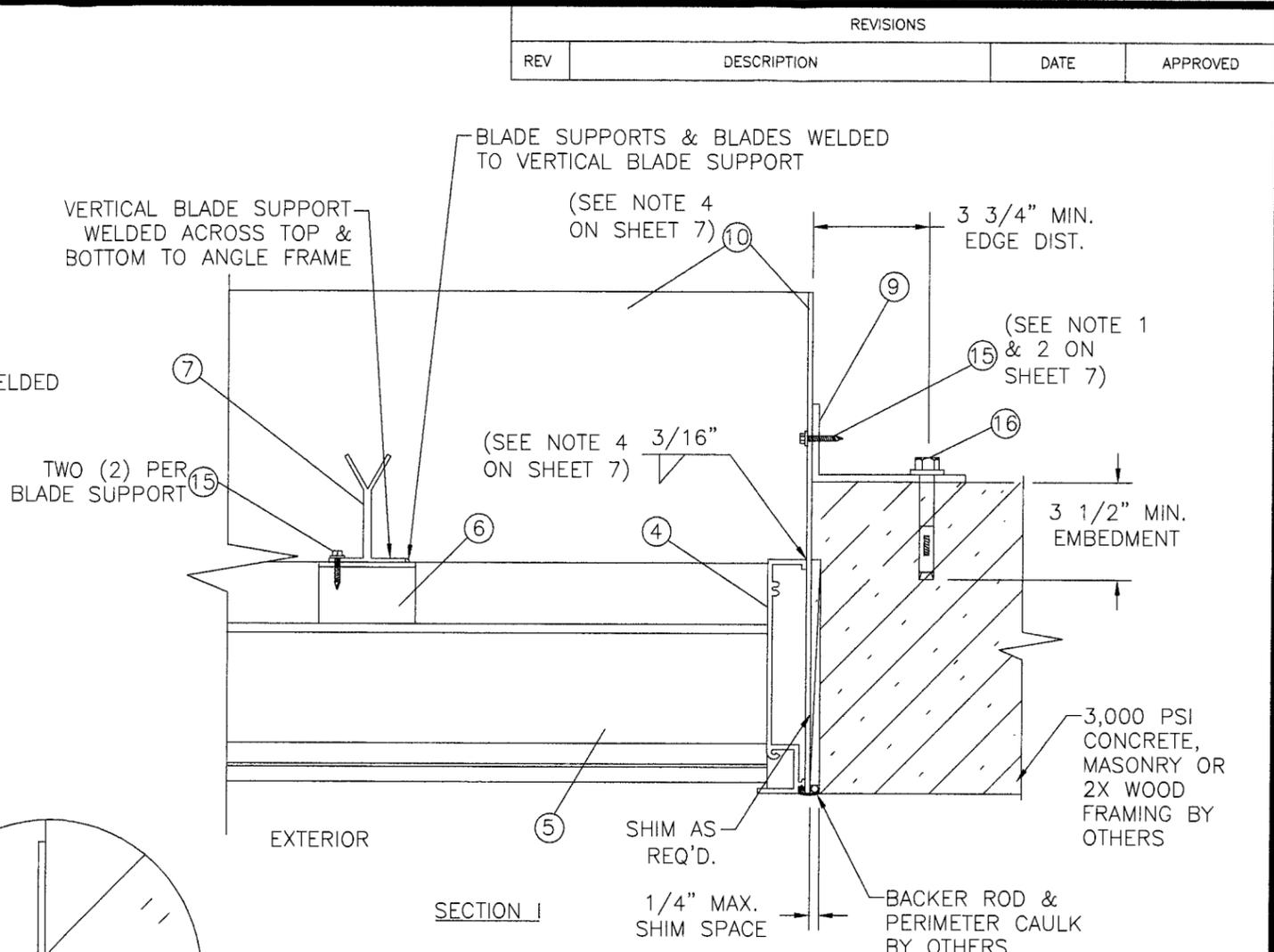
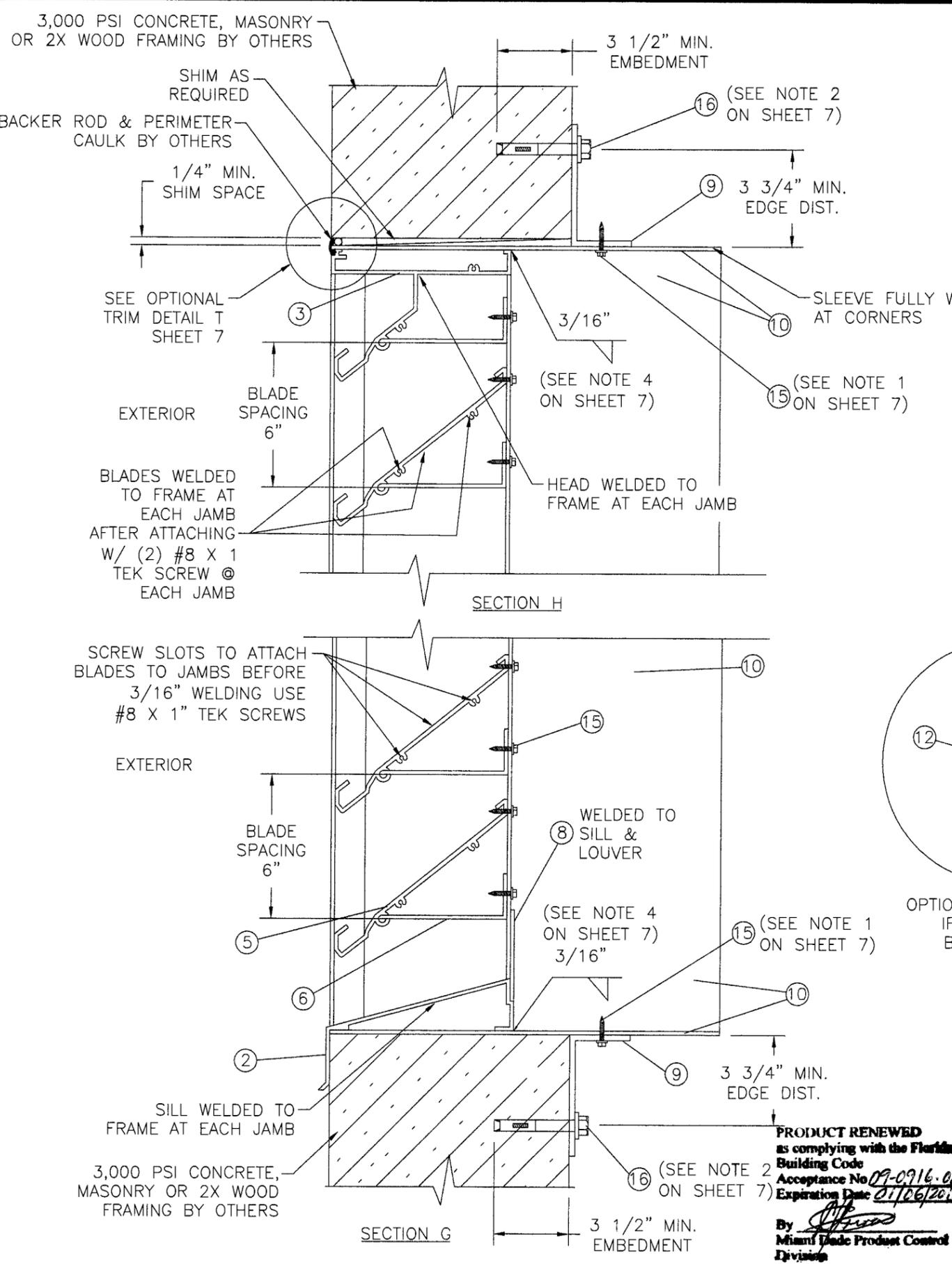
LEADER INDUSTRIES, INC.  
2509 CRUZEN STREET  
NASHVILLE, TN 37211

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

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

*[Signature]*  
10/31/08

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



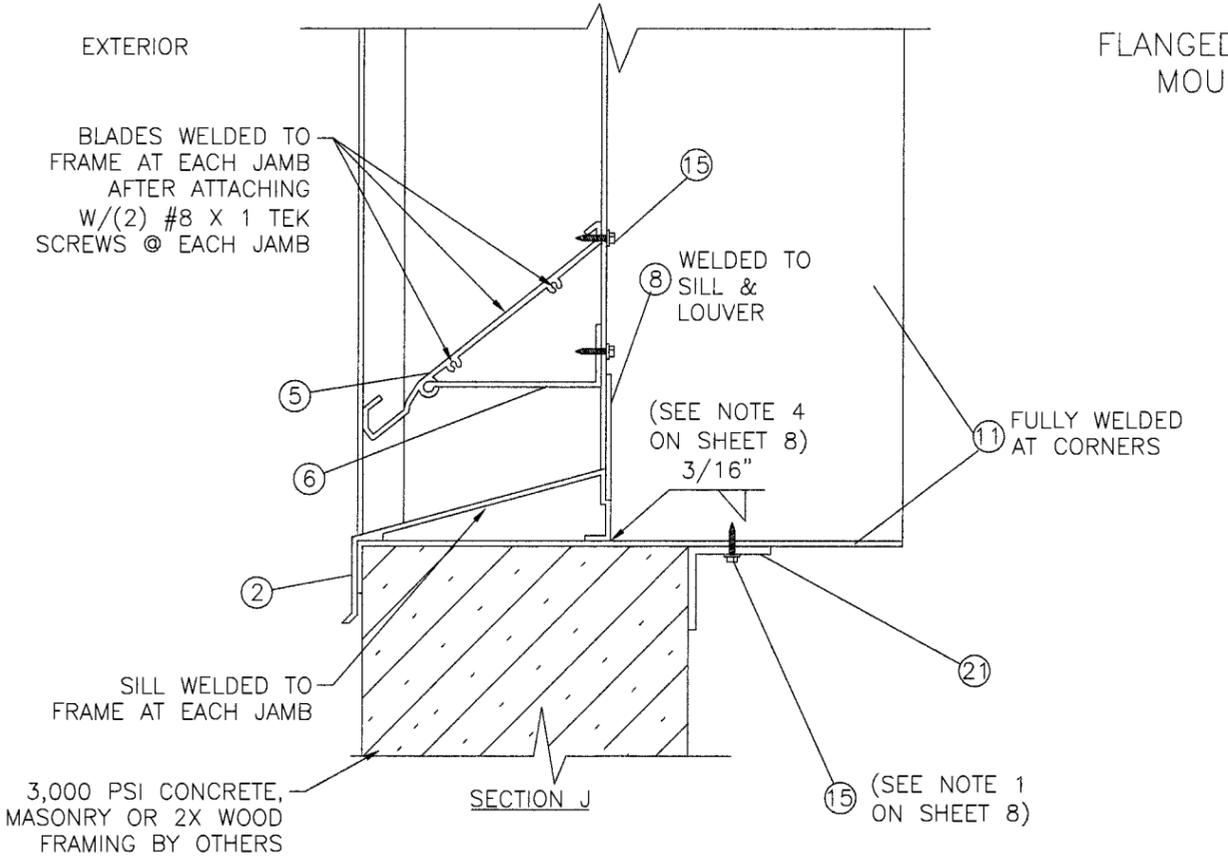
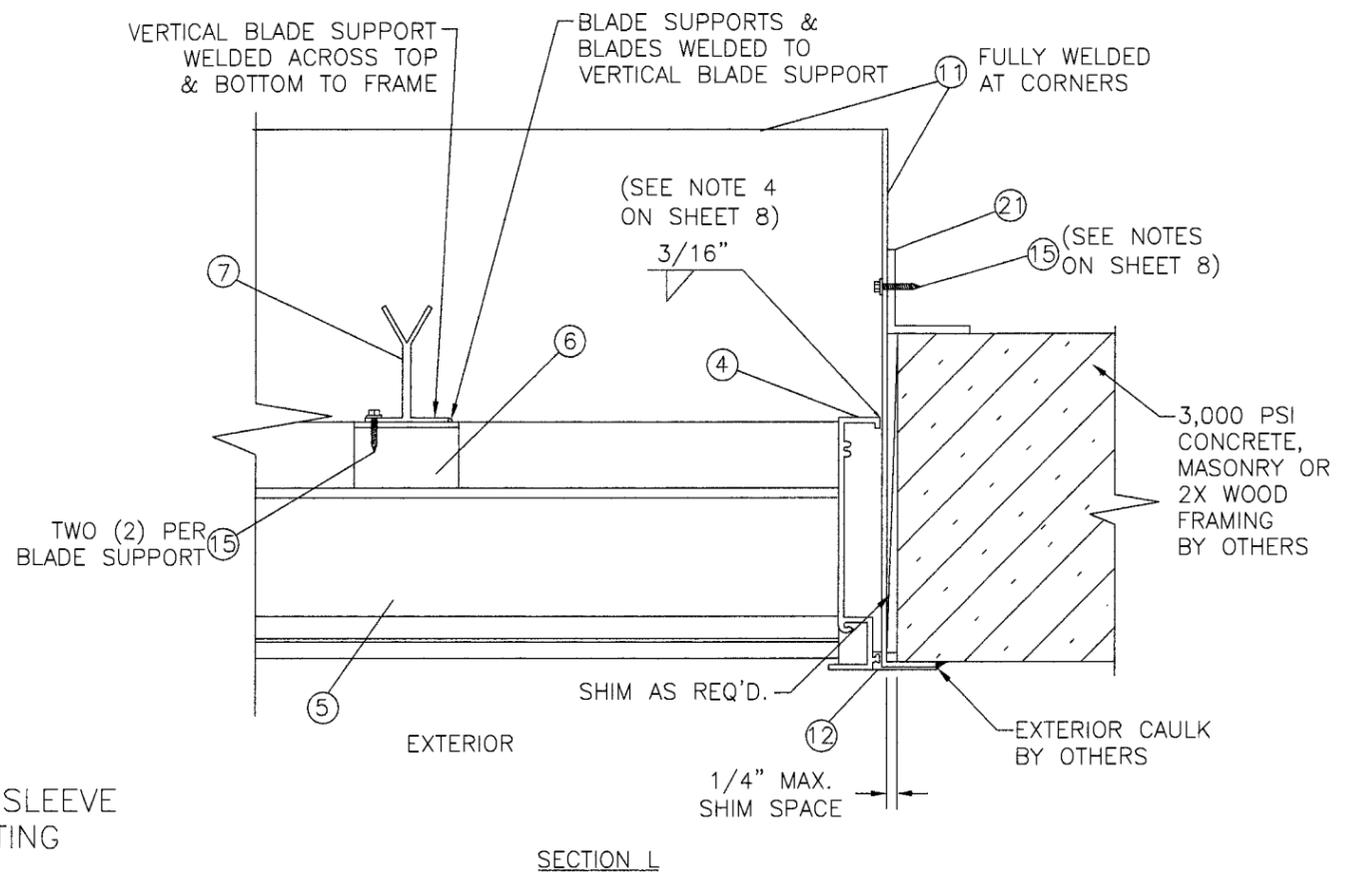
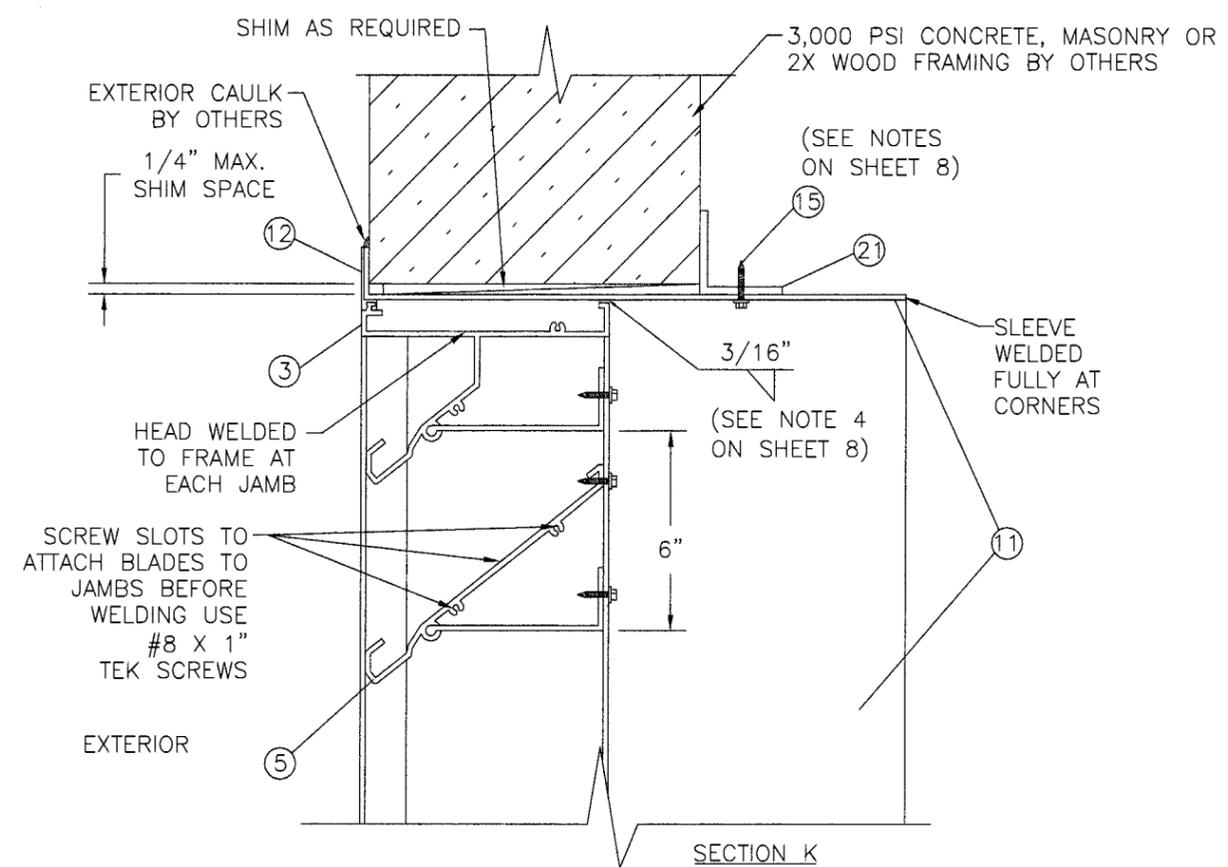
| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |
|           |             |      |          |

- 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 RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 09-0916-02  
 Expiration Date 01/06/2015  
 By *[Signature]*  
 Miami Dade Product Control Division

|  |                     |               |   |
|--|---------------------|---------------|---|
| <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211              |                     |               | <i>[Signature]</i><br>10/31/08          |
| DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>DC-638-3 INSTALLATION SECTIONS |                     |               |   |
| DRAWN:<br>TJH  | DWG NO.<br>08-00626 | REV<br>-      | Luis R. Lomas P.E.<br>Florida No. 62514 |
| SCALE NTS  | DATE 10/7/08        | SHEET 7 OF 10 |   |

| REVISIONS |             |      |          |
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| REV       | DESCRIPTION | DATE | APPROVED |
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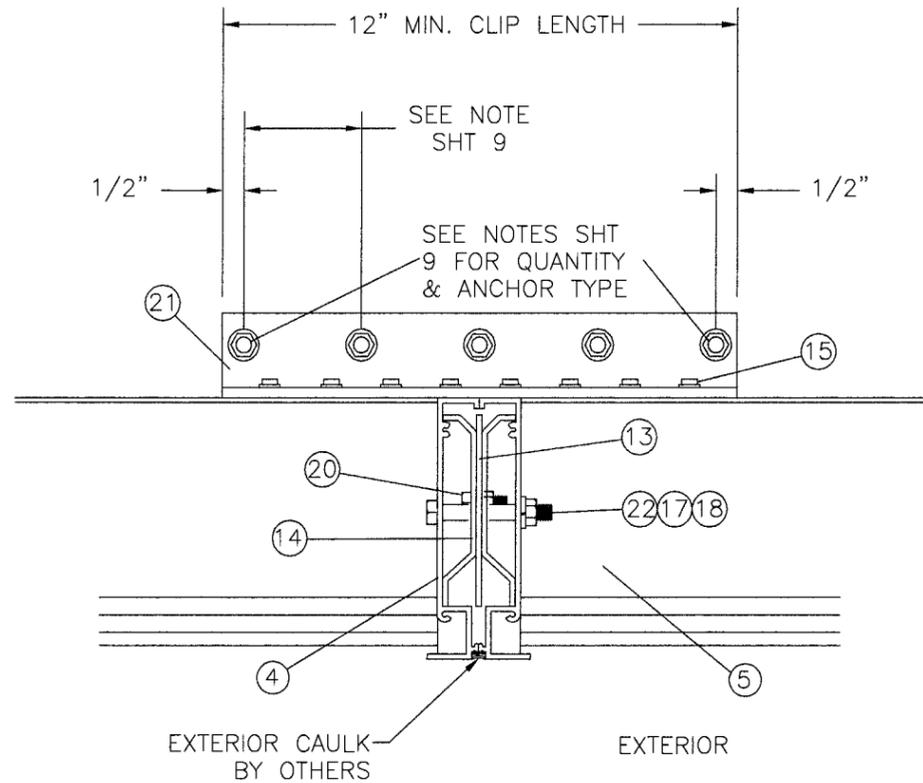
FLANGED SLEEVE MOUNTING

- 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.

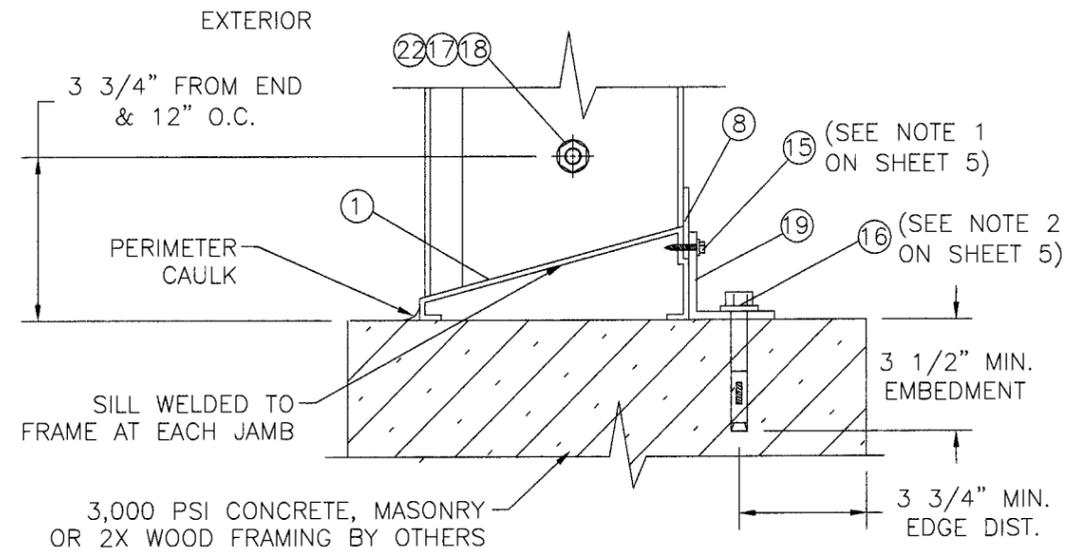
PRODUCT RENEWED as complying with the Florida Building Code  
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 By: *[Signature]*  
 Miami Dade Product Control Division

|   |  |               |   |
|---|--|---------------|---|
| <b>PRODUCT REVISED</b><br>as complying with the Florida Building Code<br>Acceptance No. 08-1126-05<br>Expiration Date 01/06/2010<br>By: <i>[Signature]</i><br>Miami Dade Product Control Division | <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211              |               | <i>[Signature]</i><br>10/31/08          |
|   | DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>DC-638-4 INSTALLATION SECTIONS |               |   |
| DRAWN:<br>TJH   | DWG. NO.<br>08-00626   | REV<br>-      | Luis R. Lomas P.E.<br>Florida No. 62514 |
| SCALE NTS   | DATE 10/7/08   | SHEET 8 OF 10 |   |

| REVISIONS |             |      |          |
|-----------|-------------|------|----------|
| REV       | DESCRIPTION | DATE | APPROVED |
|           |             |      |          |



SECTION M  
TYP. @ BOTH ENDS OF MULLION



SECTION P

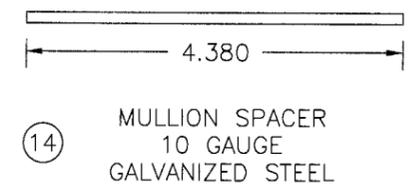
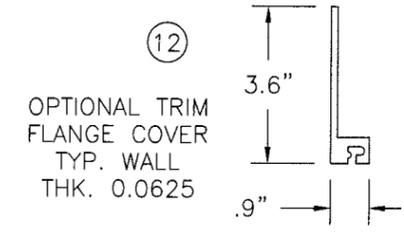
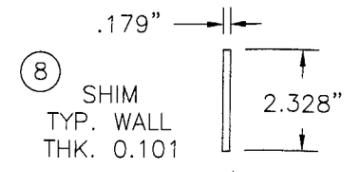
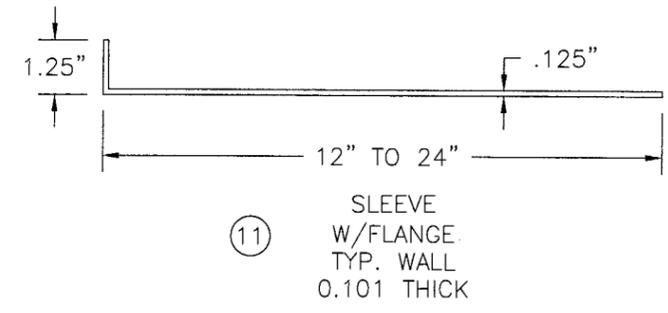
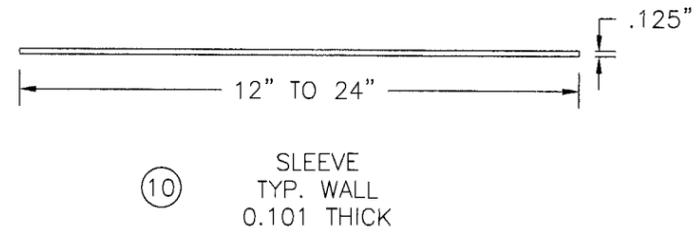
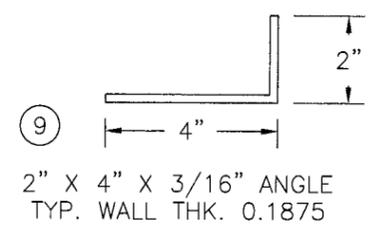
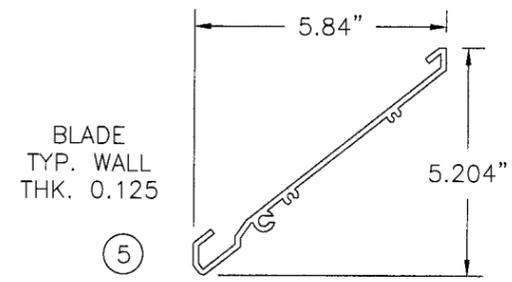
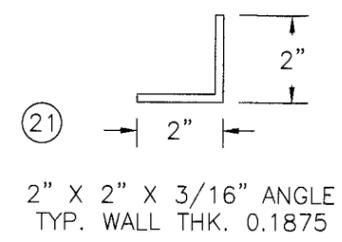
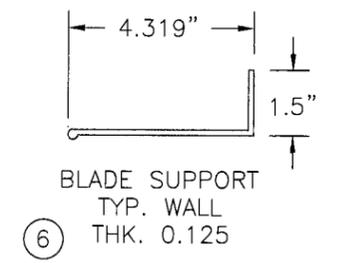
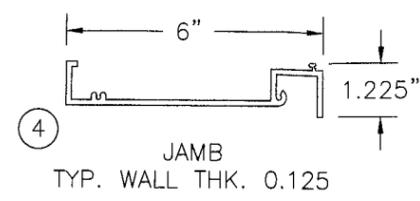
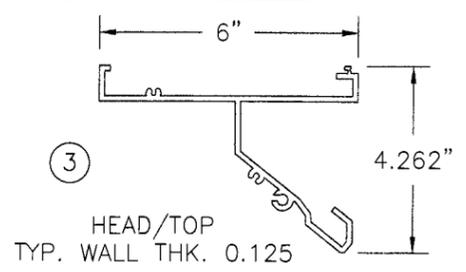
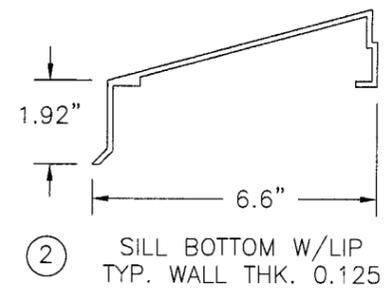
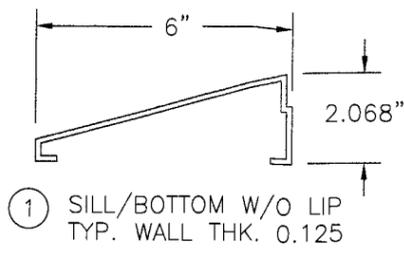
- NOTES:
1. WHEN ATTACHING MULL CLIP TO CONCRETE USE (5) HILTI KWIK BOLT 3 ANCHORS SPACED 2 3/4" APART MIN.
  2. WHEN ATTACHING MULL CLIP TO WOOD FRAMING USE (8) 7/16" x 4" LAG SCREWS SPACED 1 9/16" APART.
  3. WHEN ATTACHING MULL CLIP TO STEEL FRAMING USE (5) #12 TEK SCREWS SPACED 2 3/4" APART MIN.

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Division

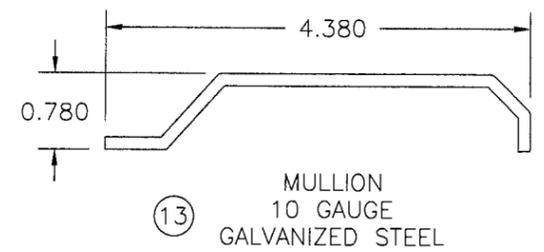
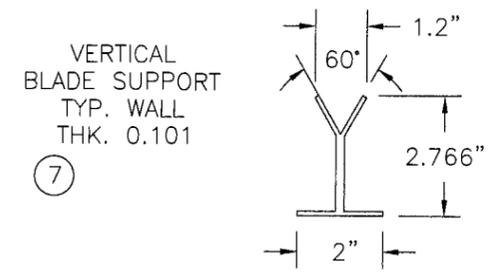
|   |   |                     |   |
|---|---|---------------------|---|
| <b>PRODUCT REVISED</b><br>as complying with the Florida<br>Building Code<br>Acceptance No <u>08-1126-05</u><br>Expiration Date <u>01/06/2010</u><br>By <u>[Signature]</u><br>Miami Dade Product Control<br>Division | <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211           |                     | <br>10/31/08<br><br>Luis R. Lomas P.E.<br>Florida No. 62514 |
|   | DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>DC-638 MULLION INSTALLATION |                     |   |
|   | DRAWN:<br>TJH   | DWG NO.<br>08-00626 |   |
| 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 |
|           |             |      |          |



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|  |                     |                |   |
|--|---------------------|----------------|---|
| <b>LEADER INDUSTRIES, INC.</b><br>2509 CRUZEN STREET<br>NASHVILLE, TN 37211              |                     |                | <i>[Signature]</i><br>10/31/08          |
| DC-638 LOUVER SYSTEM<br>LARGE AND SMALL MISSILE IMPACT<br>BILL OF MATERIALS & COMPONENTS |                     |                |   |
| DRAWN:<br>TJH  | DWG NO.<br>08-00626 | REV<br>-       | Luis R. Lomas P.E.<br>Florida No. 62514 |
| SCALE NTS  | DATE 10/7/08        | SHEET 10 OF 10 |   |

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Miami Dade Product Control  
Division