



**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)**

**Leader Industries Inc.  
P.O. Box 40913  
Nasville, 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 –VB6 Louver System With EAD Damper**

**APPROVAL DOCUMENT:** Drawing No. **LDR0008**, titled “DC-VB6 Louver System” dated 01/16/07 with last revision on 06/05/07, sheets 1 thru 9 of 9 prepared by Product Technology corporation, signed and sealed by Eric S. Nielsen, 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 ", 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, evidence page E1, as well as approval document mentioned above. The submitted documentation was reviewed by **Mohammed Iqbal Shaikh, PE.**



**NOA No.: 07-0305.09  
Expiration Date: 08/16/12  
Approval Date: 08/16/07  
Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A. DRAWINGS.**

1. Drawing No. **LDR0008**, titled "DC-VB6 Louver System" dated 01/16/07 with last revision on 06/05/07, sheets 1 thru 9 of 9 prepared by Product Technology Corporation, signed and sealed by Eric S. Nielsen, P.E.

**B. TESTS**

1. Test report # NCTL 210-3257-1 on Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203, and Uniform Static Air Pressure Test per TAS 202, prepared by National Certified Testing Laboratories, dated 05/02/06, signed and sealed by Gerard J. Ferrara, P.E

**C. CALCULATIONS**

Structural calculations titled "DC-VB6 Wall Louver Systems" dated June 6, 2007 signed and sealed Eric S. Nielsen, P.E. on 06/28/07.

**D. QUALITY ASSURANCE**

Building Code Compliance Office of Miami-Dade County

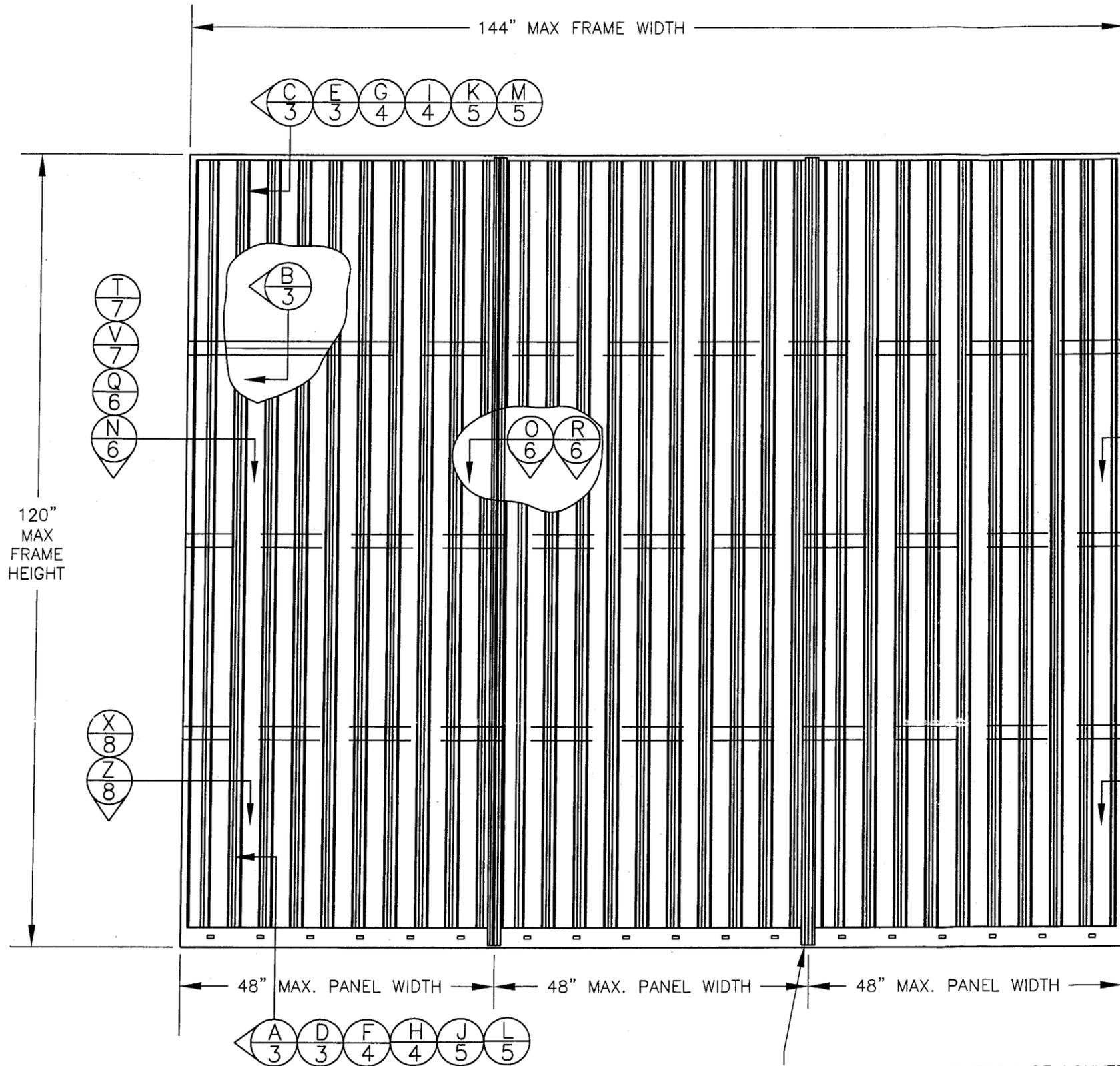
**E. STATEMENTS**

1. FBC 2004 Code compliance letter and no Financial Interest letter issued by Product Technology Corporation on 02/20/07 signed and sealed by Eric S. Nielsen, P.E.
2. Laboratory Compliance letter, dated 05/04/06 by National Certified Testing Laboratories, signed and sealed by Eric S. Nielsen, P.E.



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**Mohammed Iqbal Shaikh, P.E.**  
**Sr. Building Code Compliance Specialist**  
**NOA No.: 07-0305.09**  
**Expiration Date: 08/16/12**  
**Approval Date: 08/16/07**



**GENERAL NOTES:**

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2004 FLORIDA BUILDING CODE (WITH 2005 AND 2006 SUPPLEMENTS) INCLUDING (HVHZ) HIGH VELOCITY HURRICANE ZONE.
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 OR ENGINEER 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 SHEET 1.
5. ISOLATE ALL SUBSTRATE ANCHOR CLIPS/ ANGLES, PART NUMBERS 9, 21, 25, & 26 FROM MASONRY/CONCRETE SUBSTRATE BY OTHERS.

CONFIGURATION	PANEL SIZE	DESIGN PRESSURE
1 PANEL	48" X 120"	+140.0 PSF / -140.0 PSF
3 PANEL	144" X 120"	+100.0 PSF / -100.0 PSF

SHEET #	TABLE OF CONTENTS
1	ELEVATION & GENERAL NOTES
2	ANCHOR LAYOUT & ANCHORING NOTES
3-5	VERTICAL SECTIONS
6-8	HORIZONTAL SECTIONS
9	BILL OF MATERIALS & COMPONENTS

Approved as complying with the Florida Building Code  
 Date 07/26/07  
 NOA# 07-0305-09  
 Miami Dade Product Control Division  
 By M. Harte

SECTION MULLION SUPPORT LOCATION ON BACK OF LOUVERS

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*Eric S. Nielsen*  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 PTC, LLC  
 1535 Cogswell Street, Suite C25  
 Rockledge, Florida 32955  
 FBPE Certificate of Authorization NO. 25935

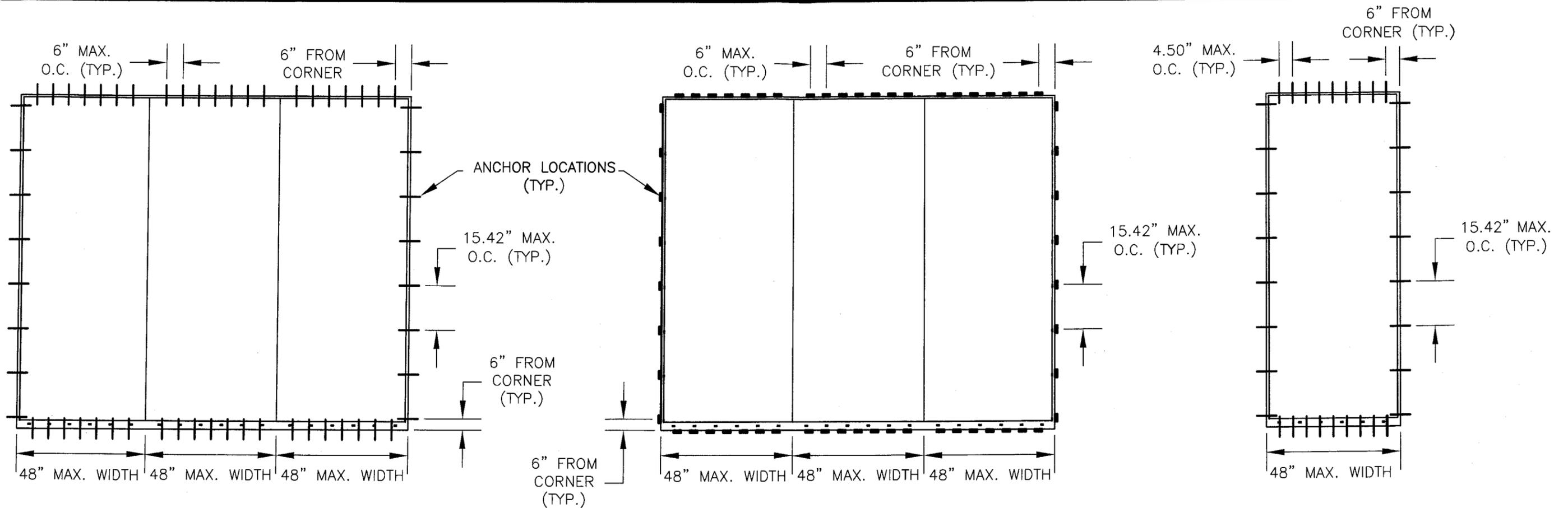
**LEADER INDUSTRIES, INC.**  
 2509 CRUZEN ST. NASHVILLE, TN 32711

TITLE: DC-VB6 LOUVER SYSTEM  
 ELEVATION & GENERAL NOTES

PREPARED BY: **PTC**  
 PTC, LLC

DRN: BB DATE: 01/16/07  
 SCALE: NTS DWG. NO: LDRO008  
 REV: A SHEET: 1 OF 9

Phone 321.690.1788 Fax 321.690.1789



ANCHOR LAYOUT FOR WOOD OR CONCRETE FRAME DECKING

ANCHOR LAYOUT FOR WALL CAP COVER OVER SUBSTRATE

ANCHOR LAYOUT FOR SINGLE PANEL

**ANCHORING NOTES:**

- 1) SUBSTRATES, ANCHOR TYPES & SPACING ARE AS FOLLOWS:
  - A) CONCRETE DECKING USE 3/8" DIA. HILTI KWIK BOLT III ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE MIN. OF 2 1/2" EMBEDMENT INTO CONCRETE. SEE CONCRETE, WOOD AND WELDING ANCHOR LAYOUT DRAWING FOR ANCHOR LAYOUT DIMENSIONS.
  - B) WOOD FRAME DECKING, USE 7/16" DIA. LAG BOLT OF SUFFICIENT LENGTH TO ACHIEVE 3-1/2" MIN. EMBEDMENT INTO WOOD DECKING. SEE CONCRETE, WOOD AND WELDING ANCHOR LAYOUT DRAWING FOR ANCHOR LAYOUT DIMENSIONS.
  - C) WALL CAP INSTALLATION STYLE, USE 1/4"-3 POINT ITW BUILDDEX MAXISEAL SCREW SPACED AS SHOWN ON ITX MAXISEAL LAYOUT DRAWING OR BY USING 1 1/2" LONG FILLET WELD SPACED AS SHOWN ON WELDING ANCHOR DRAWING.
- 2) ALL ROOFING DETAILS SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE.
- 3) INSTALL ONE ANCHOR AT EACH ANCHOR LOCATION

Approved as complying with the Florida Building Code  
 Date 07/26/07  
 NOA# 07-2305-09  
 Miami Dade Product Control Division  
 By M. Hart

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*Eric S. Nielsen*  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 PTC, LLC  
 1535 Cogswell Street, Suite C25  
 Rockledge, Florida 32955  
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LEADER INDUSTRIES, INC.  
 2509 CRUZEN ST. NASHVILLE, TN 32711

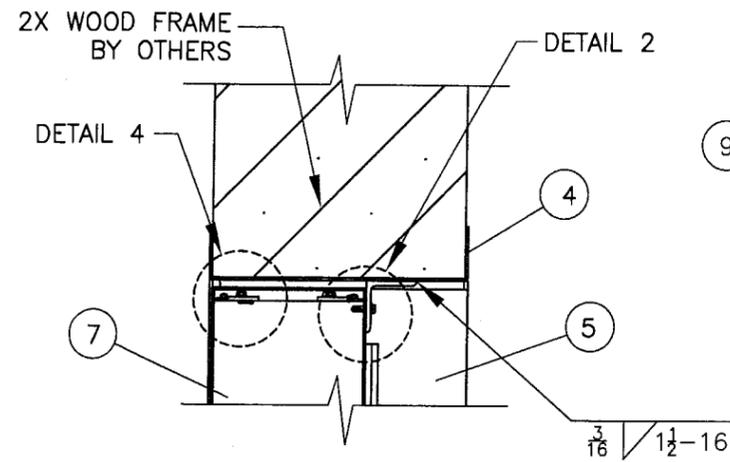
TITLE: DC-VB6 LOUVER SYSTEM  
 ANCHOR LAYOUT & ANCHOR NOTES

PREPARED BY: **PTC**  
 PTC, LLC

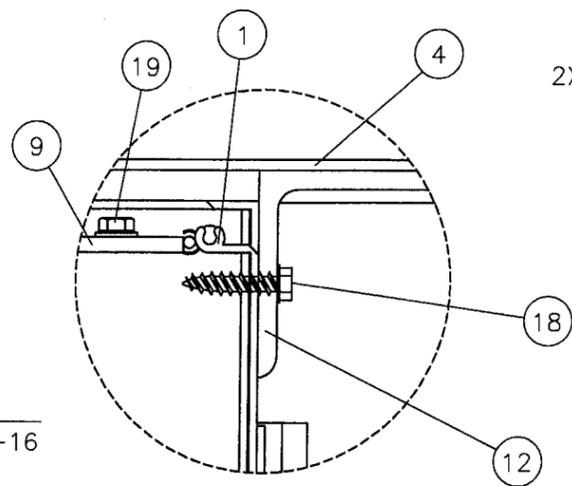
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 SCALE: NTS  
 REV: A

DATE: 01/16/07  
 DWG. NO: LDR0008  
 SHEET: 2 OF 9

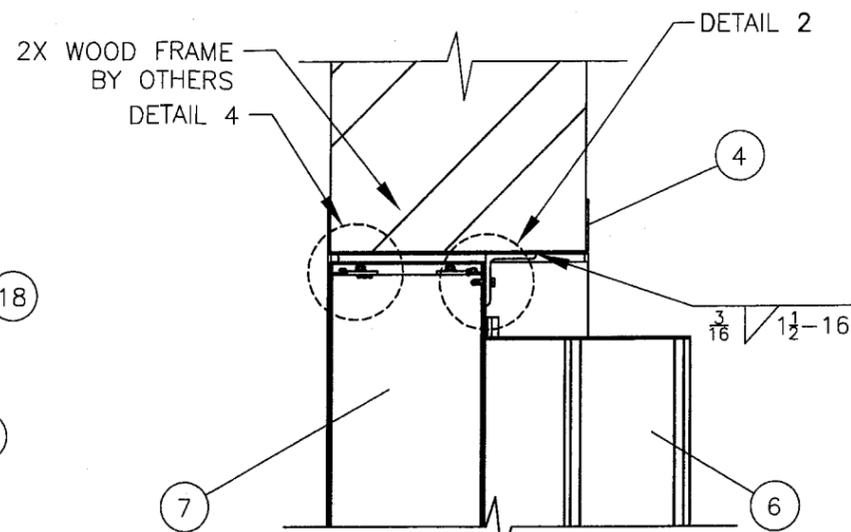
Phone 321.690.1788 Fax 321.690.1789



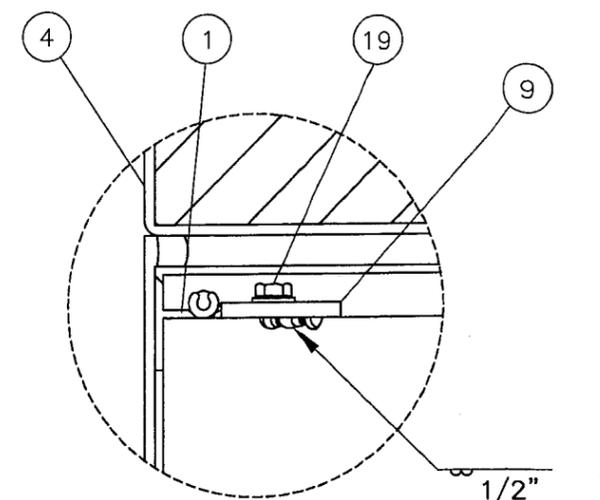
**C**  
3 VERTICAL SECTION  
WALL CAP, 2X WOOD, NO DAMPER



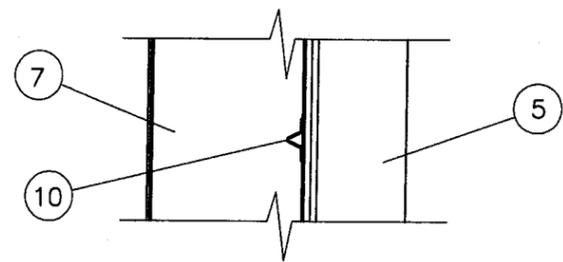
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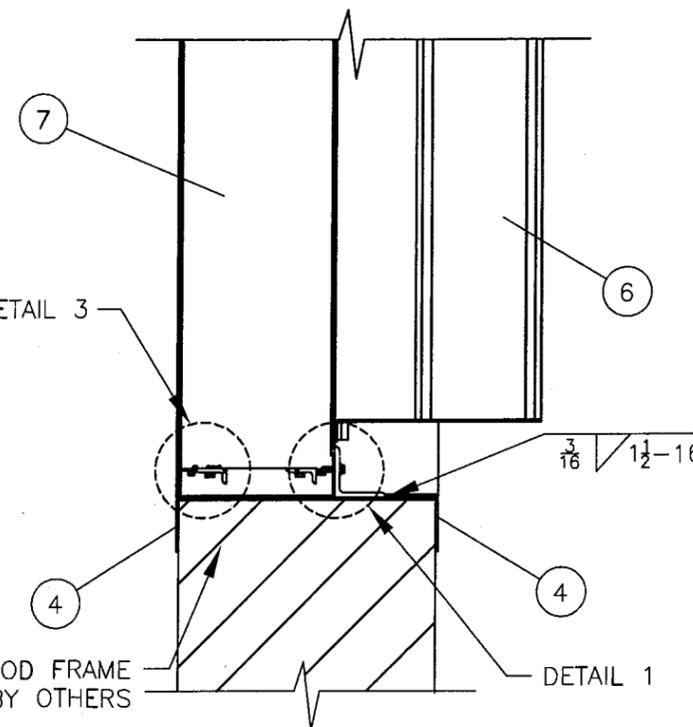
**E**  
3 VERTICAL SECTION  
WALL CAP, 2X WOOD, W/DAMPER



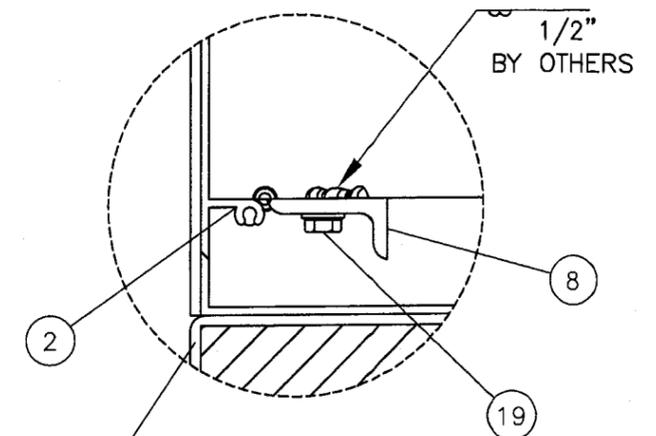
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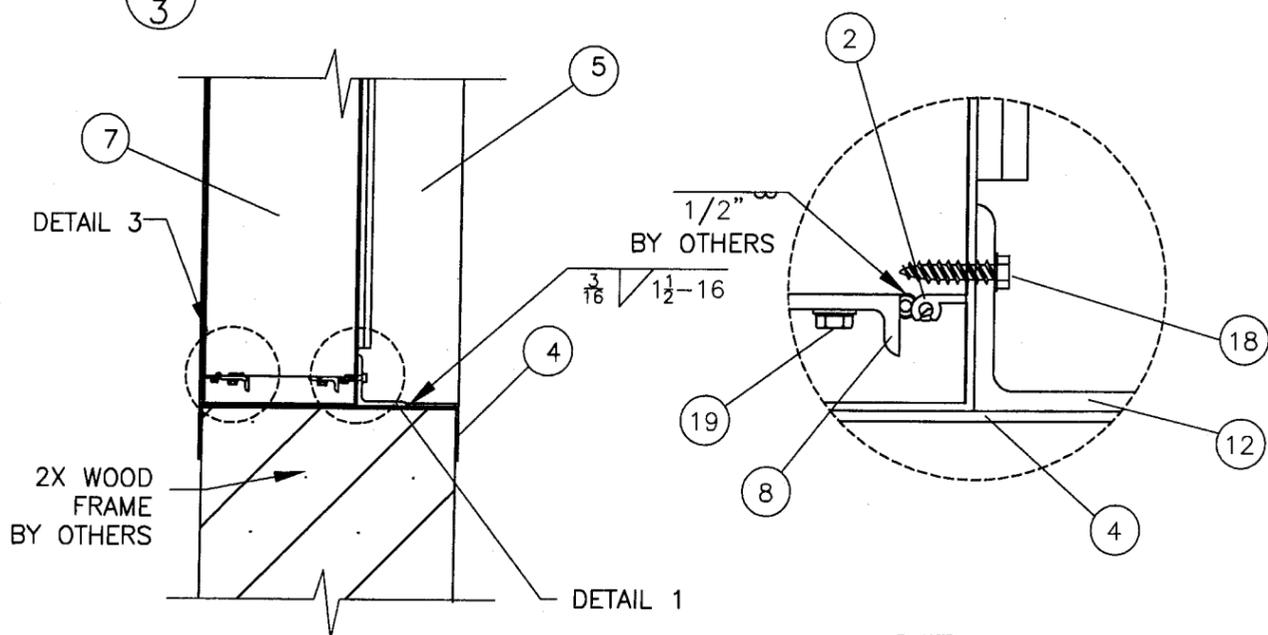
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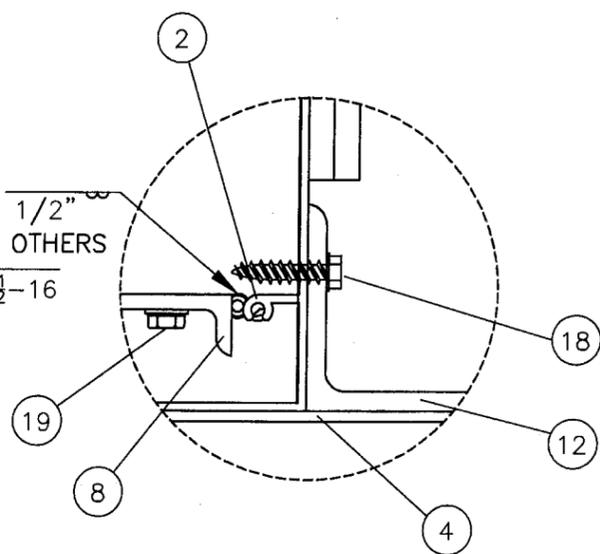
**D**  
3 VERTICAL SECTION  
WALL CAP, 2X WOOD, W/DAMPER



DETAIL 3



**A**  
3 VERTICAL SECTION  
WALL CAP, 2X WOOD, NO DAMPER



DETAIL 1

Approved as complying with the  
Florida Building Code  
Date 07/26/07  
NOAH 07-0305.09  
Miami Dade Product Control  
Division  
By *M. Shatt*

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*ESN*  
6/28/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 Cogswell Street, Suite C25  
Rockledge, Florida 32955  
FBPE Certificate of Authorization NO. 25935

LEADER INDUSTRIES, INC.  
2509 CRUZEN ST. NASHVILLE, TN 32711

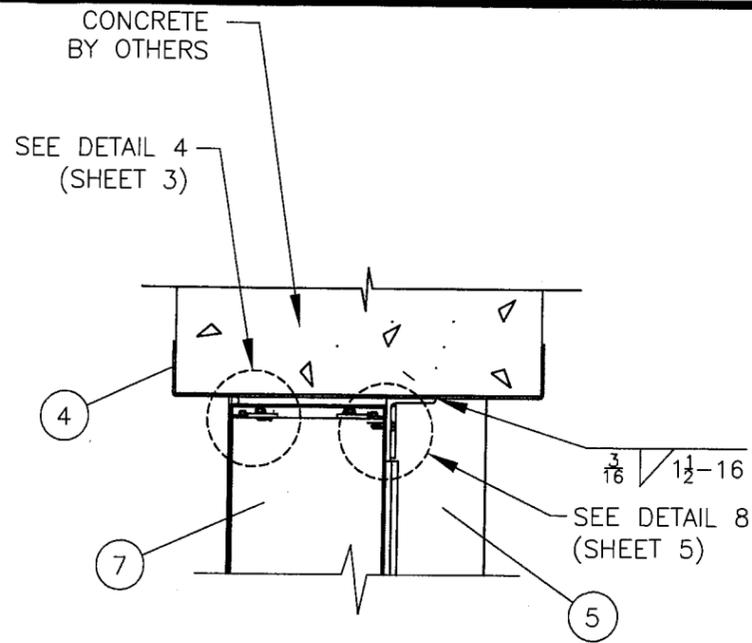
TITLE: DC-VB6 LOUVER SYSTEM  
VERTICAL SECTIONS

PREPARED BY: **PTC**  
PTC, LLC

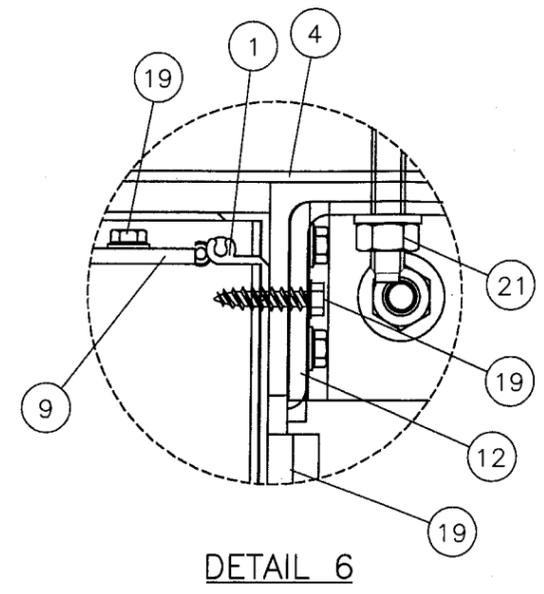
DRN: BB  
SCALE: NTS  
REV: A

DATE: 01/16/07  
DWG. NO: LDR0008  
SHEET: 3 OF 9

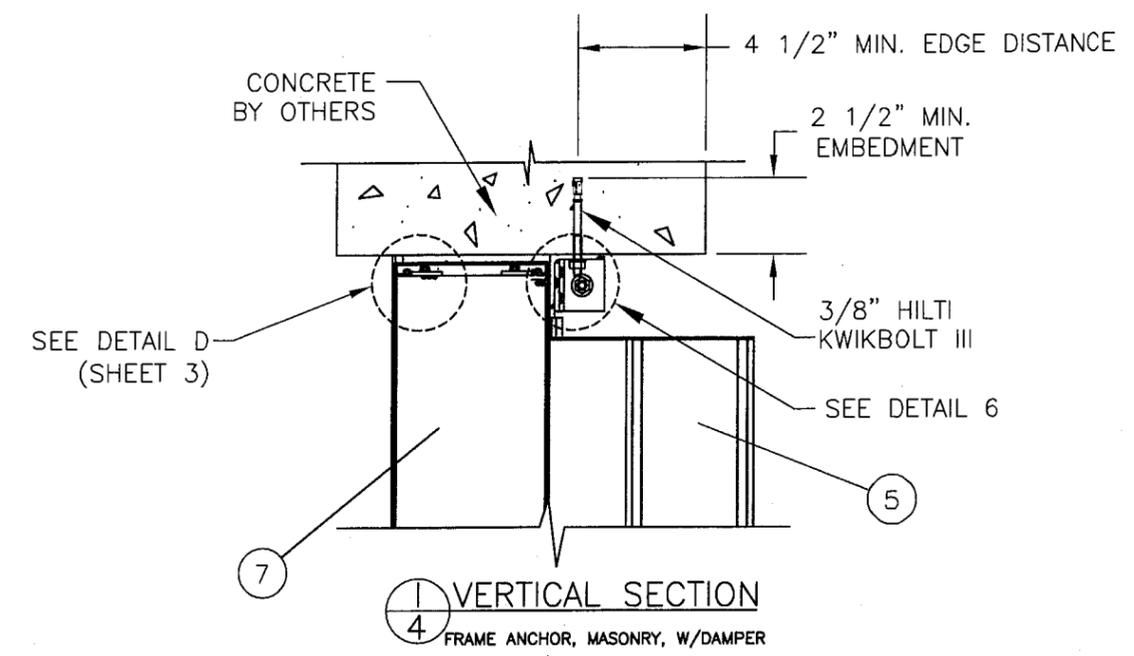
Phone 321.690.1788 Fax 321.690.1789



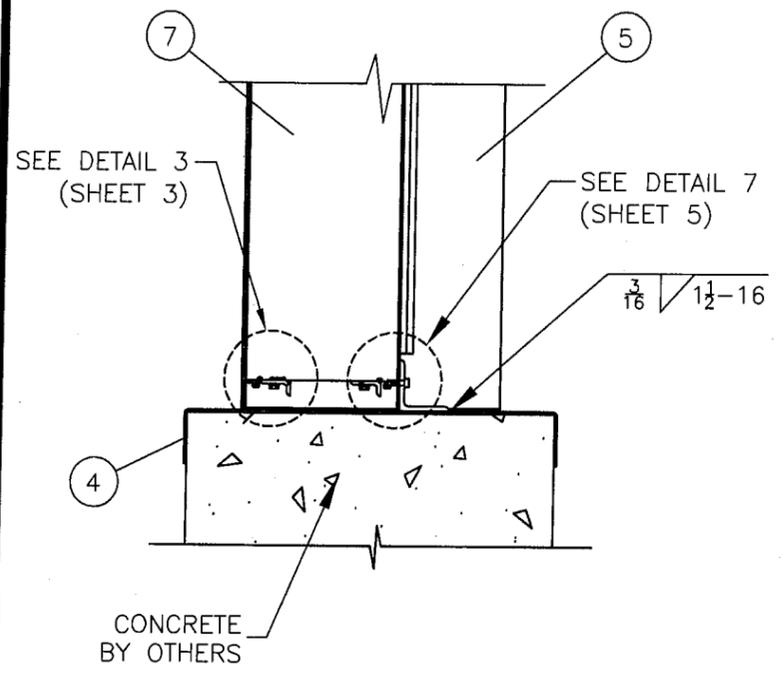
**G** VERTICAL SECTION  
4 WALL CAP, MASONRY, NO DAMPER



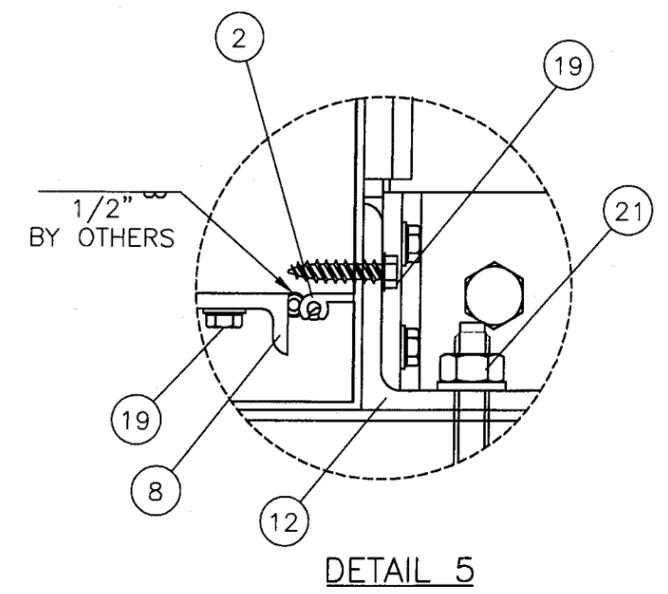
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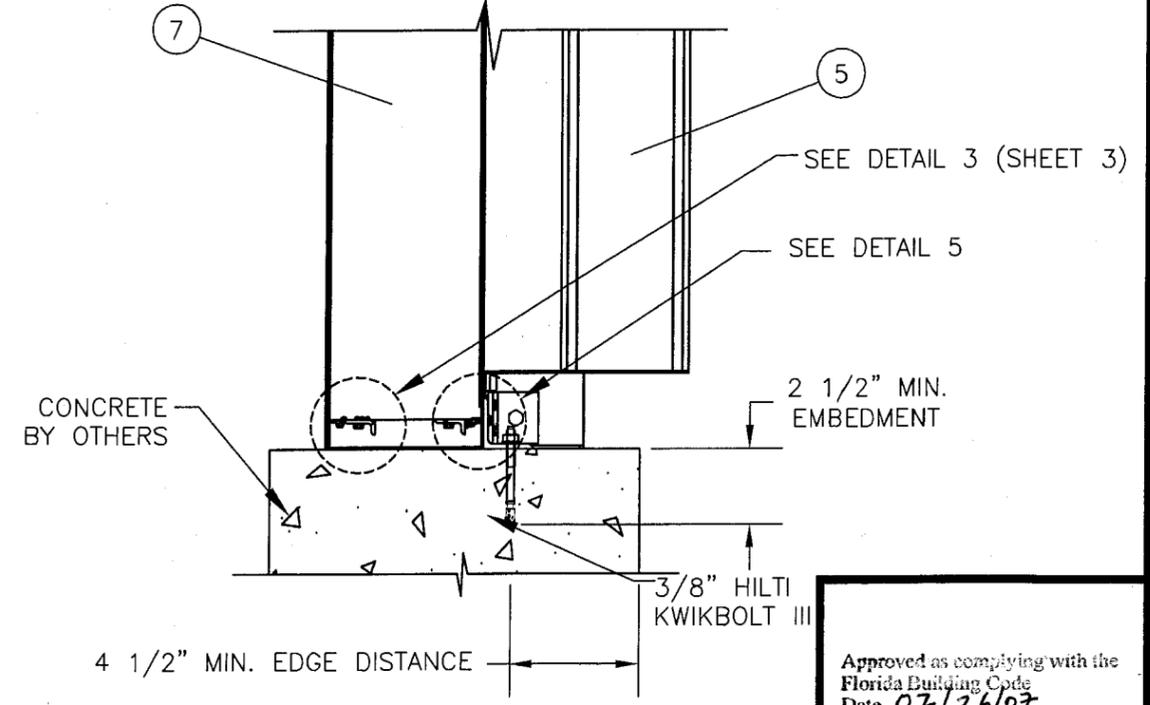
**I** VERTICAL SECTION  
4 FRAME ANCHOR, MASONRY, W/DAMPER



**F** VERTICAL SECTION  
4 WALL CAP, MASONRY, NO DAMPER



DETAIL 5



**H** VERTICAL SECTION  
4 FRAME ANCHOR, MASONRY, W/DAMPER

Approved as complying with the Florida Building Code  
Date 07/26/07  
NOA# 07-0305.09  
Miami Dade Product Control Division  
By M. Shat

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

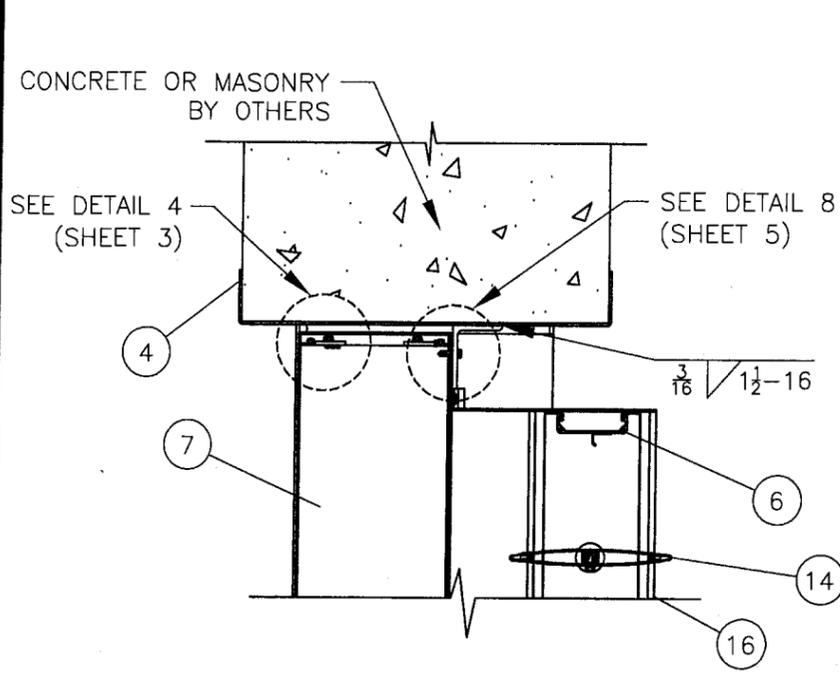
*ESN*  
6/28/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 Cogswell Street, Suite C25  
Rockledge, Florida 32955  
FBPE Certificate of Authorization NO. 25935

LEADER INDUSTRIES, INC.  
2509 CRUZEN ST. NASHVILLE, TN 32711

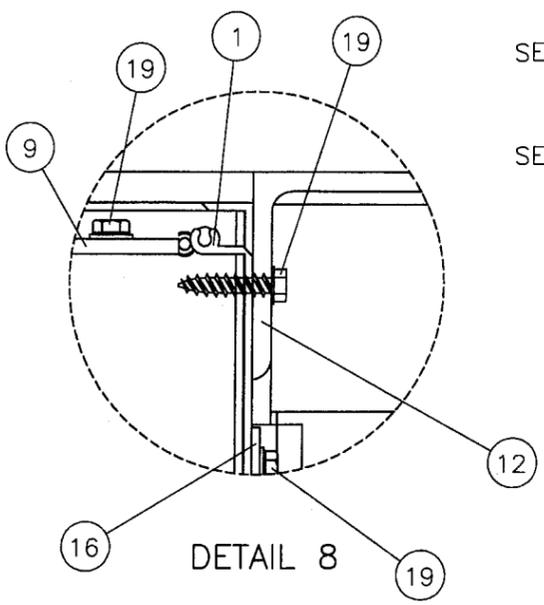
TITLE: DC-VB6 LOUVER SYSTEM  
VERTICAL SECTIONS

PREPARED BY: **PTC** PTC, LLC  
Phone 321.690.1788 Fax 321.690.1788

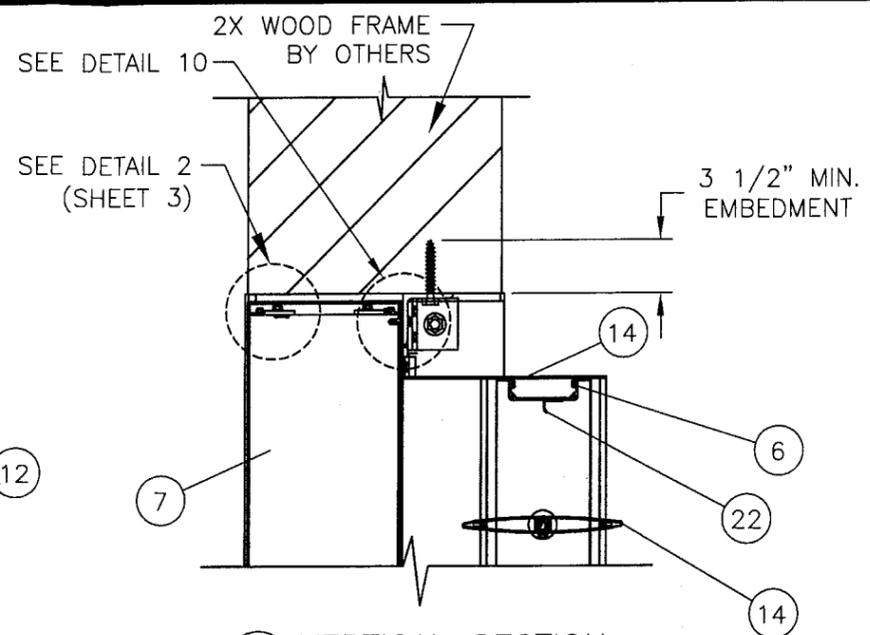
DRN: BB	DATE: 01/16/07
SCALE: NTS	DWG. NO: LDR0008
REV: A	SHEET: 4 OF 9



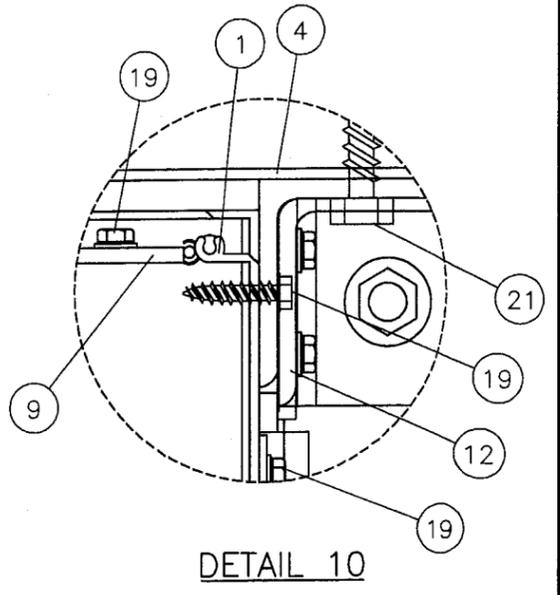
**K** VERTICAL SECTION  
5 WALL CAP, MASONRY, W/DAMPER



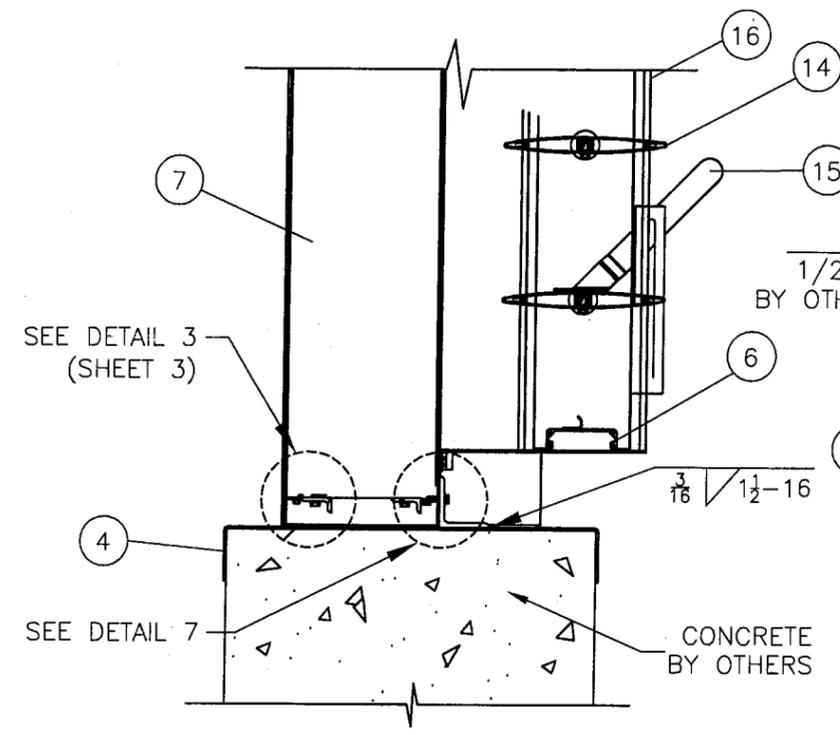
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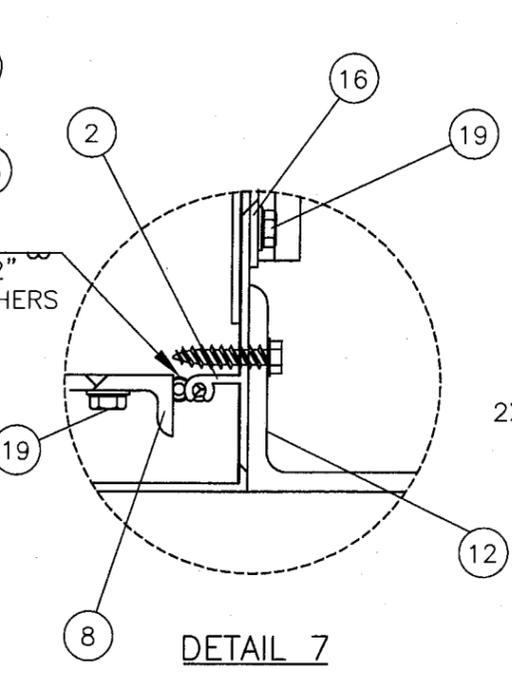
**M** VERTICAL SECTION  
5 FRAME ANCHOR, 2X WOOD, W/DAMPER



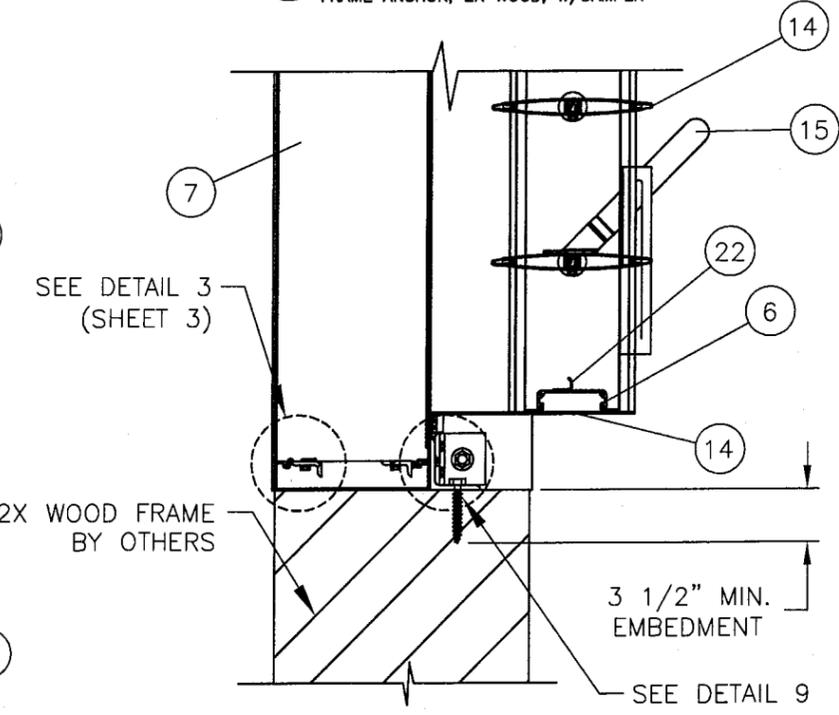
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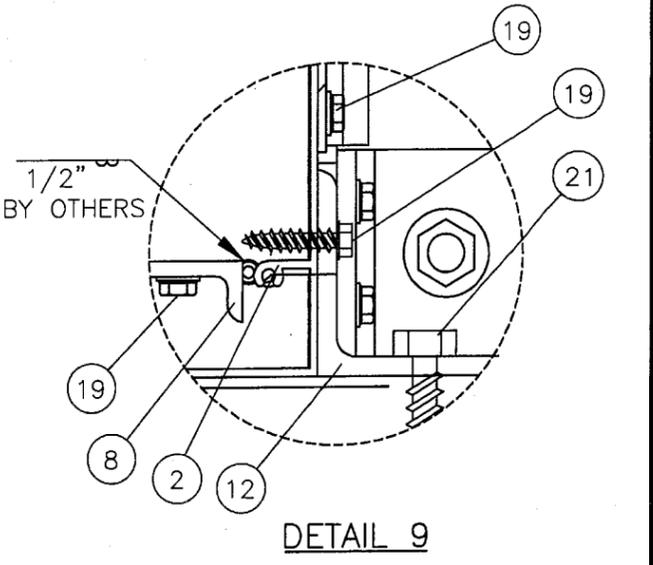
**J** VERTICAL SECTION  
5 WALL CAP, MASONRY, W/DAMPER



DETAIL 7



**L** VERTICAL SECTION  
5 FRAME ANCHOR, 2X WOOD, W/DAMPER



DETAIL 9

Approved as complying with the Florida Building Code  
Date 07/26/07  
NOA# 07-0305.09  
Miami Dade Product Control  
Division  
By *M. H. H.*

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*ERIC*  
6/26/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 Cogswell Street, Suite C25  
Rockledge, Florida 32955  
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LEADER INDUSTRIES, INC.  
2509 CRUZEN ST. NASHVILLE, TN 32711

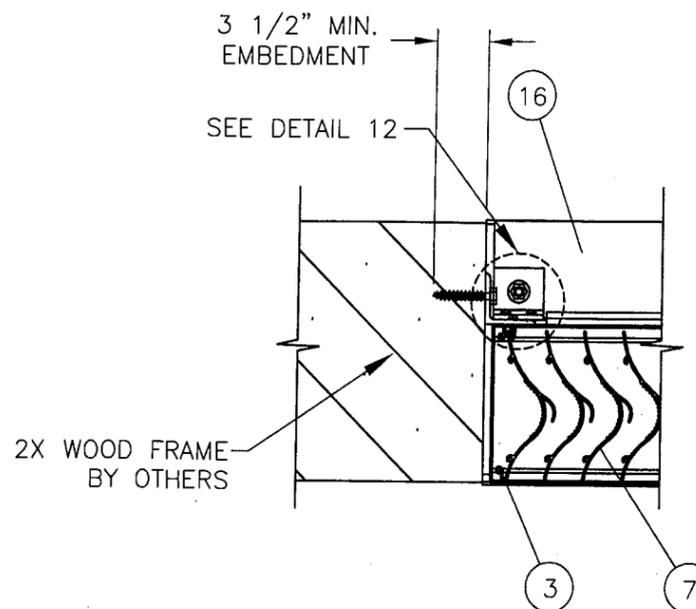
TITLE: DC-VB6 LOUVER SYSTEM  
VERTICAL SECTIONS

PREPARED BY: **PTC**  
PTC, LLC

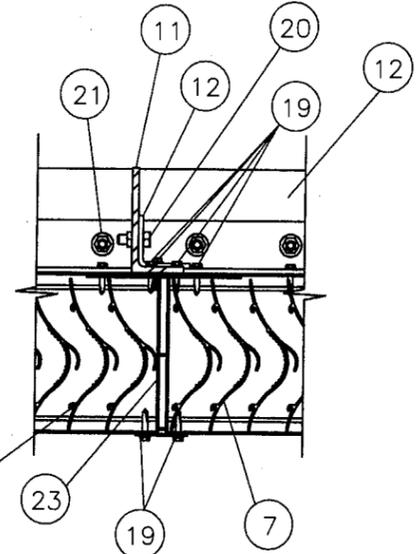
DRN: BB  
SCALE: NTS  
REV: A

DATE: 01/16/07  
DWG. NO: LDR0008  
SHEET: 5 OF 9

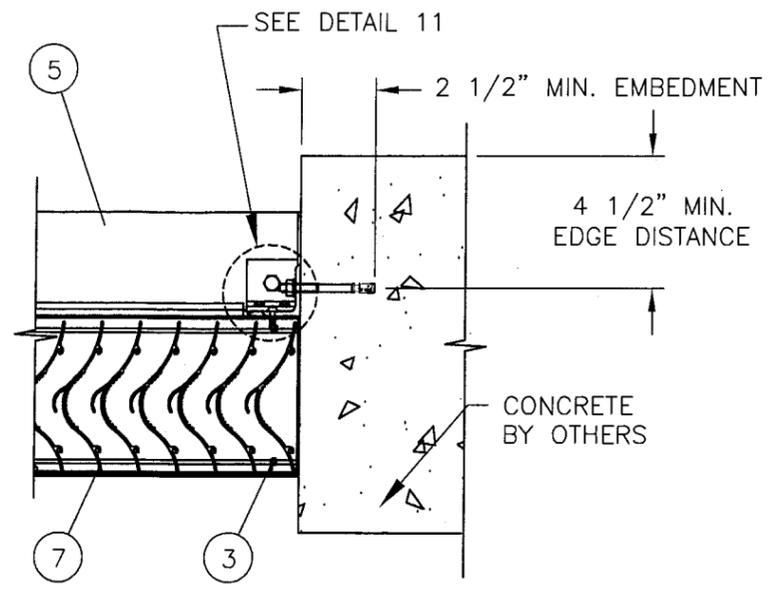
Phone 321.690.1788 Fax 321.690.1789



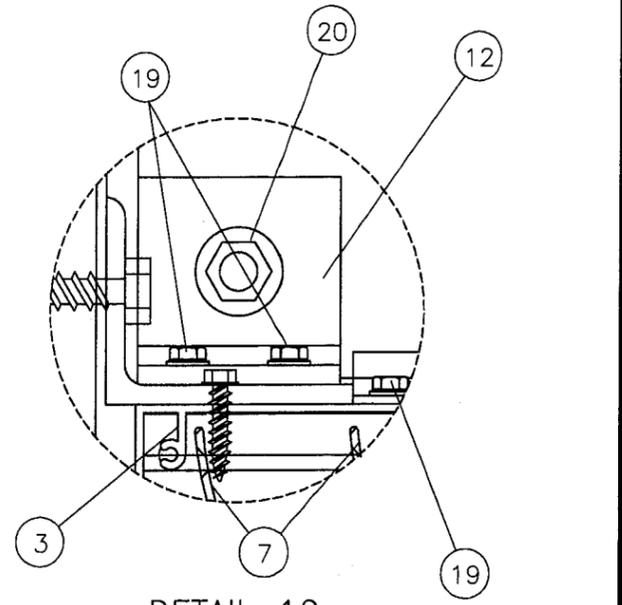
**N**  
**6** HORIZONTAL SECTION  
FRAME ANCHOR, 2X WOOD, NO DAMPER



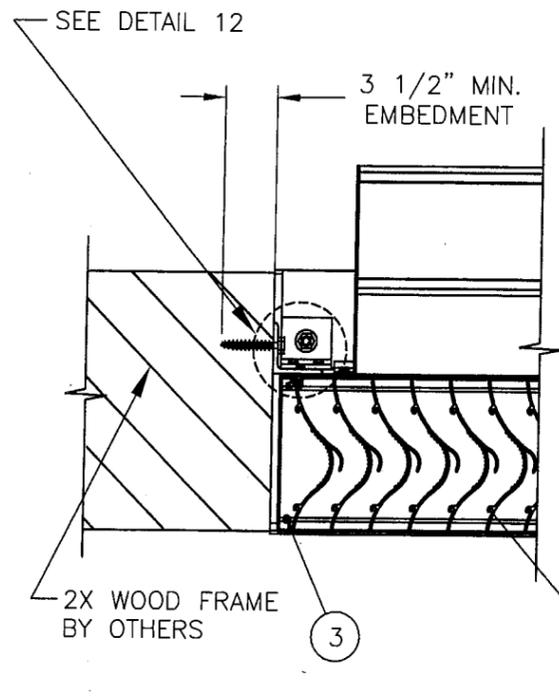
**O**  
**6** HORIZONTAL SECTION  
MULLION



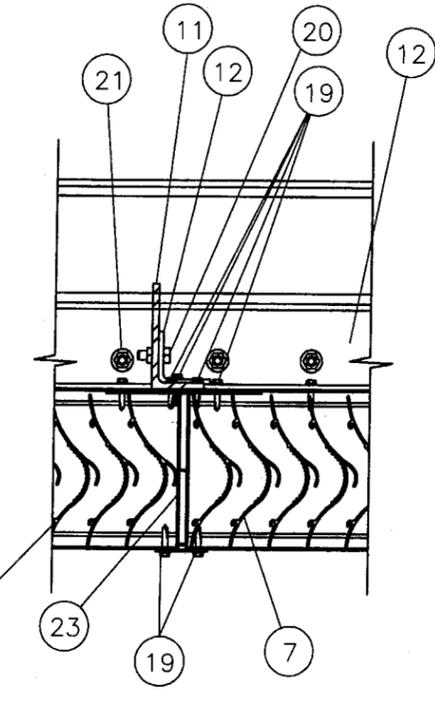
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**6** HORIZONTAL SECTION  
FRAME ANCHOR, MASONRY, NO DAMPER



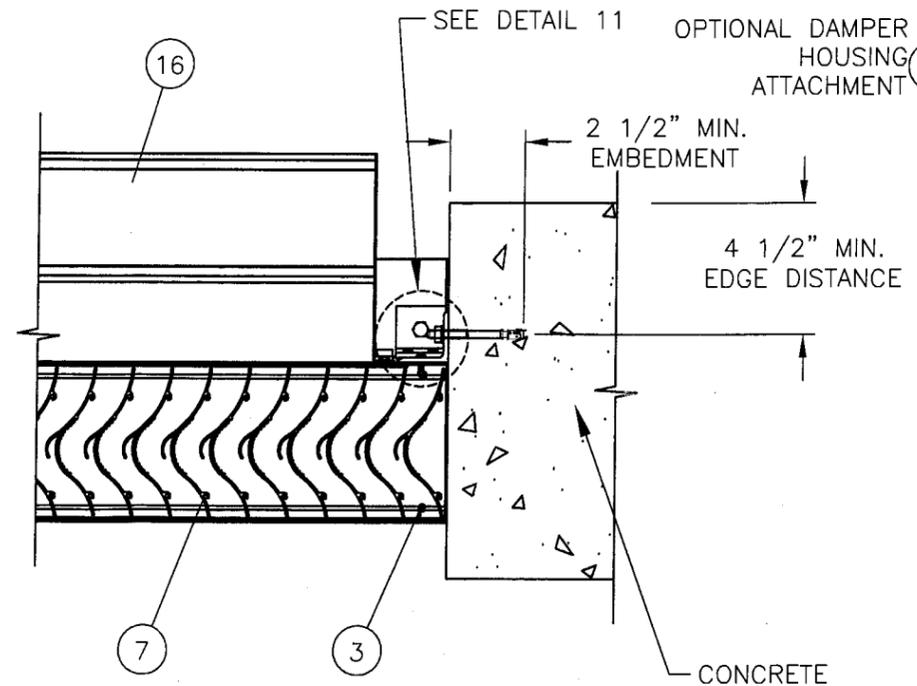
**DETAIL 12** OPTIONAL DAMPER HOUSING ATTACHMENT



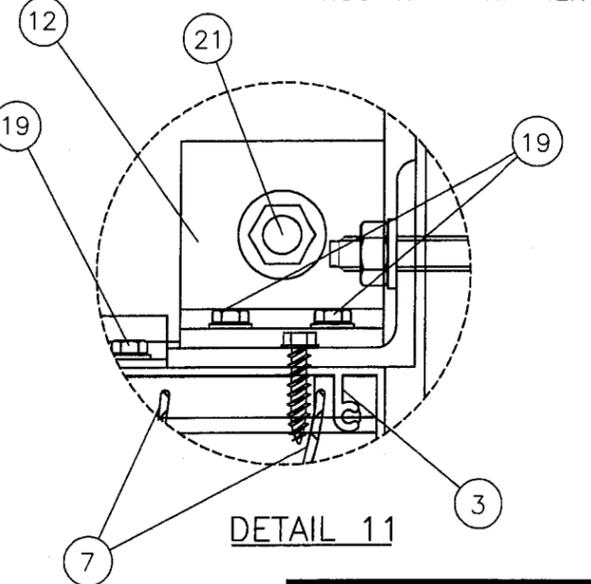
**Q**  
**6** HORIZONTAL SECTION  
FRAME ANCHOR, 2X WOOD, W/DAMPER



**R**  
**6** HORIZONTAL SECTION  
MULLION



**S**  
**6** HORIZONTAL SECTION  
FRAME ANCHOR, MASONRY, W/DAMPER



**DETAIL 11**

Approved as complying with the Florida Building Code  
Date 07/26/07  
NOA# 07-0305.09  
Miami Dade Product Control Division  
By *[Signature]*

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*[Signature]*  
Eric S. Nielsen  
Florida P. E. No. 41323  
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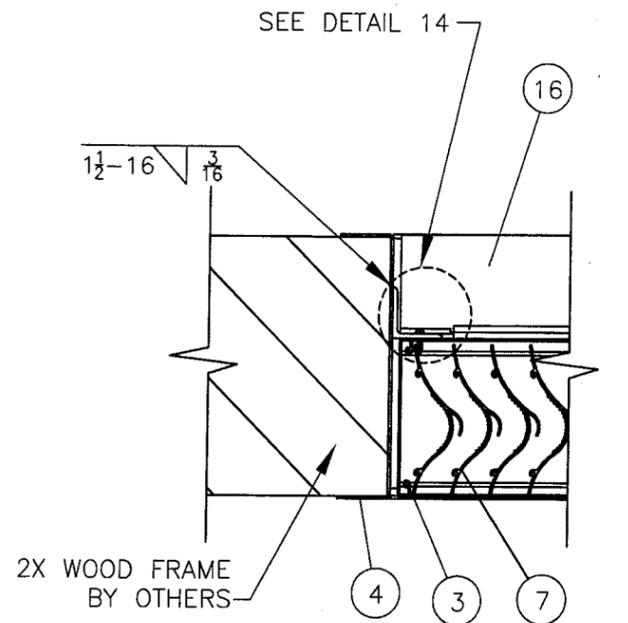
**LEADER INDUSTRIES, INC.**  
2509 CRUZEN ST. NASHVILLE, TN 32711

TITLE: DC-VB6 LOUVER SYSTEM HORIZONTAL SECTIONS

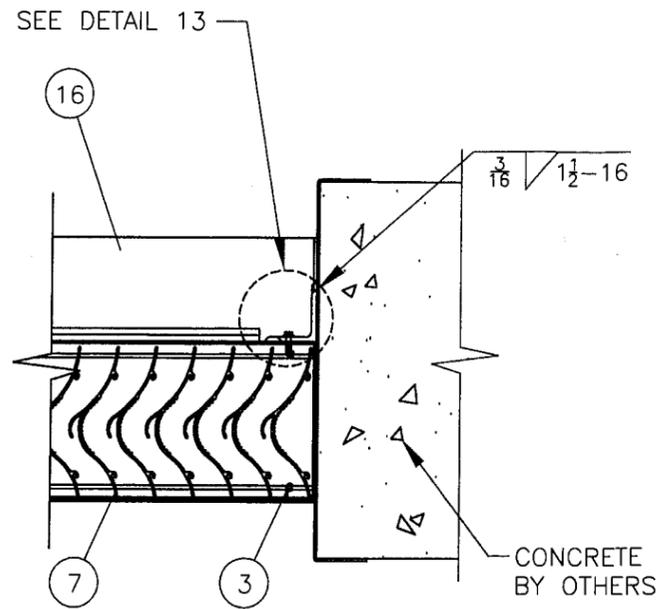
PREPARED BY: **PTC** PTC, LLC  
DRN: BB  
SCALE: NTS  
REV: A

DATE: 01/16/06  
DWG. NO: LDR0008  
SHEET: 6 OF 9

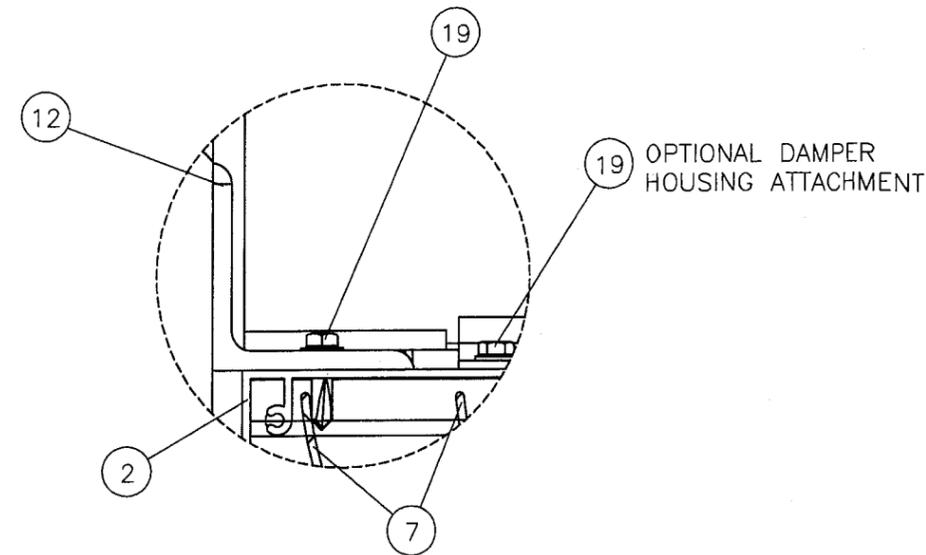
Phone 321.690.1788 Fax 321.690.1789



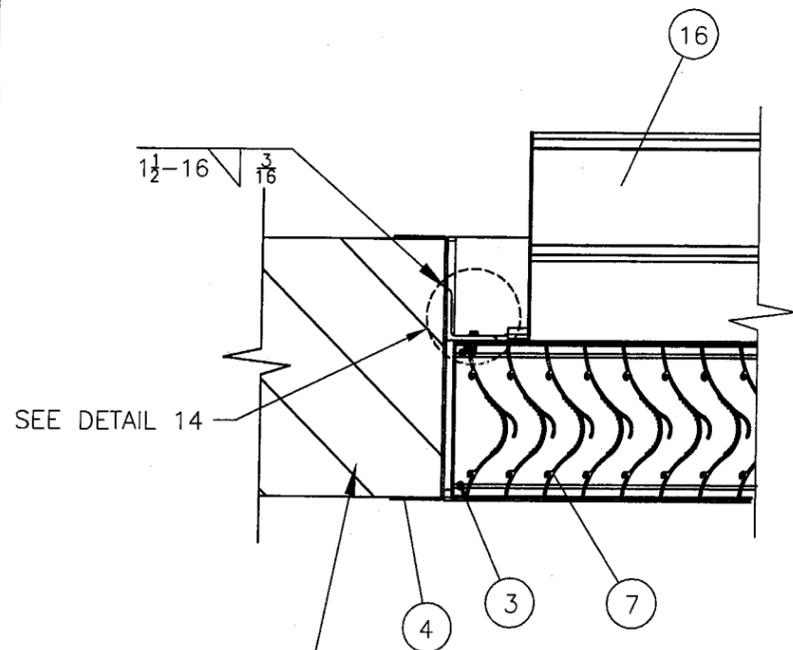
**T** HORIZONTAL SECTION  
7 WALL CAP, 2X WOOD, NO DAMPER



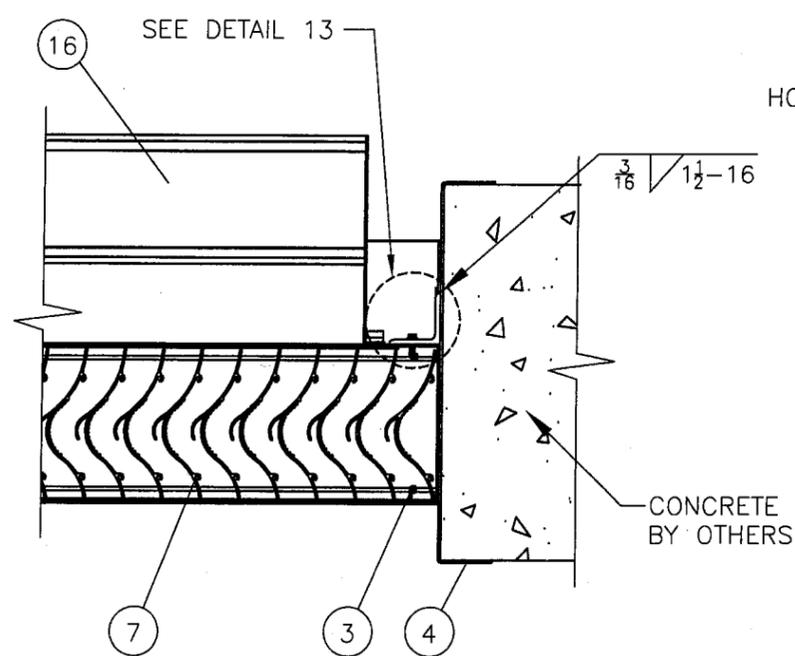
**U** HORIZONTAL SECTION  
7 WALL CAP, MASONRY, NO DAMPER



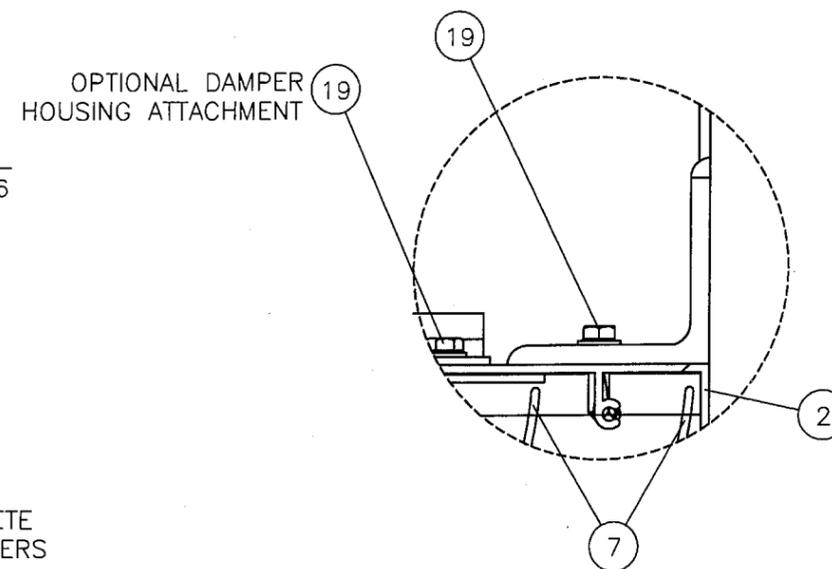
**DETAIL 14**



**V** HORIZONTAL SECTION  
7 WALL CAP, 2X WOOD, W/DAMPER



**W** HORIZONTAL SECTION  
7 WALL CAP, MASONRY, W/DAMPER



**DETAIL 13**

Approved as complying with the  
Florida Building Code  
Date 07/26/07  
NOA# 07-0305-09  
Miami Dade Product Control  
Division  
By [Signature]

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	

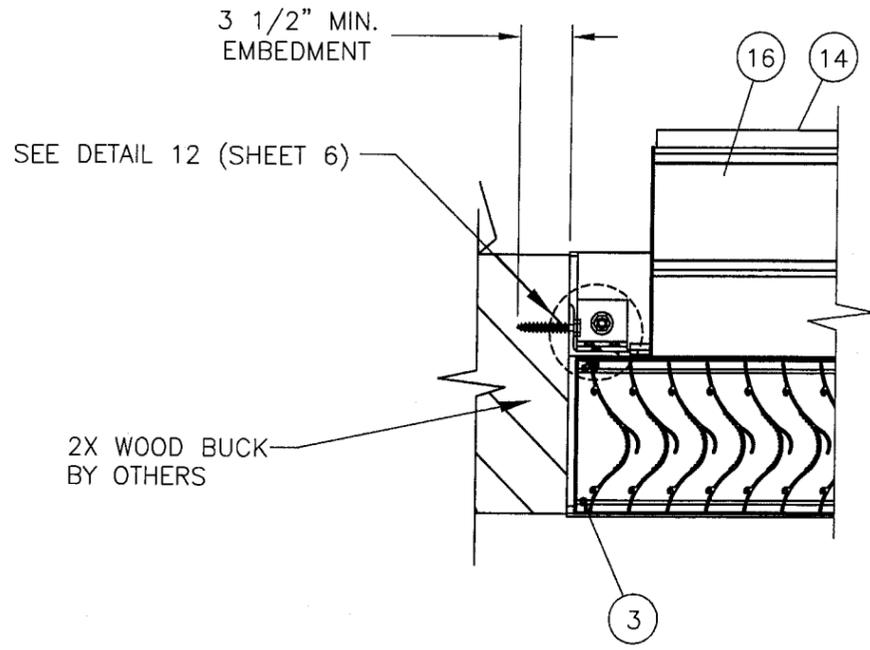
*[Signature]*  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 Cogswell Street, Suite C25  
Rockledge, Florida 32955  
FBPE Certificate of Authorization NO. 25935

LEADER INDUSTRIES, INC.  
2509 CRUZEN ST. NASHVILLE, TN 32711

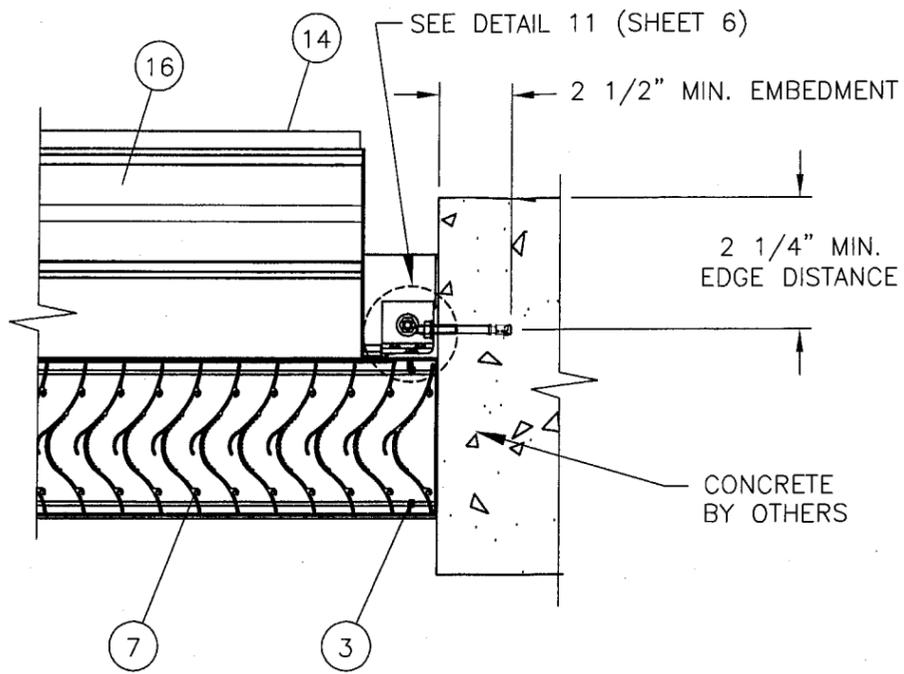
TITLE: DC-VB6 LOUVER SYSTEM  
HORIZONTAL SECTIONS

PREPARED BY: **PTC**  
PTC, LLC  
Phone 321.690.1788 Fax 321.690.1789

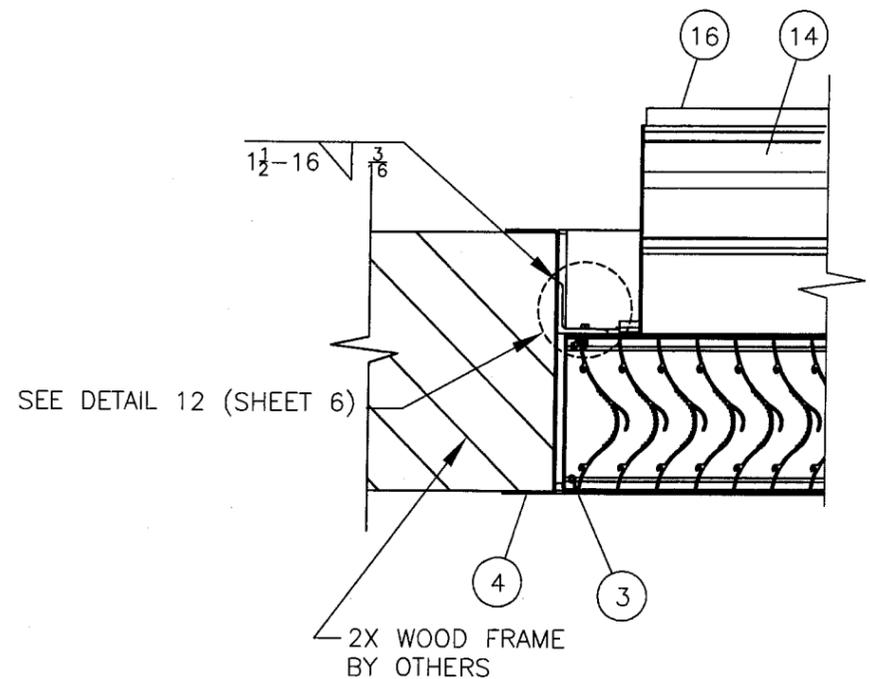
DRN: BB	DATE: 01/16/07
SCALE: NTS	DWG. NO: LDR0008
REV: A	SHEET: 7 OF 9



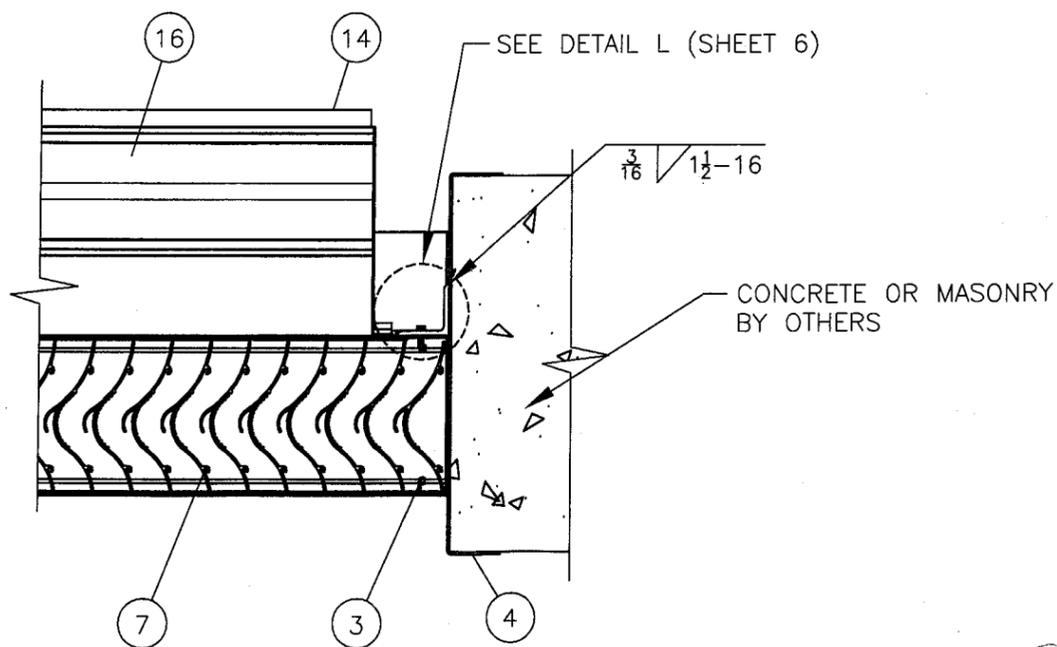
**X**  
8 HORIZONTAL SECTION  
WALL CAP, 2X WOOD, NO DAMPER



**Y**  
8 HORIZONTAL SECTION  
WALL CAP, MASONRY, NO DAMPER



**Z**  
8 HORIZONTAL SECTION  
WALL CAP, 2X WOOD, W/DAMPER



**AA**  
8 HORIZONTAL SECTION  
WALL CAP, MASONRY, W/DAMPER

SYM	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*ESN*  
6/28/07  
Eric S. Nielsen  
Florida P. E. No. 41323  
PTC, LLC  
1535 Cogswell Street, Suite C25  
Rockledge, Florida 32955  
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LEADER INDUSTRIES, INC.  
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TITLE: DC-VB6 LOUVER SYSTEM  
HORIZONTAL SECTIONS

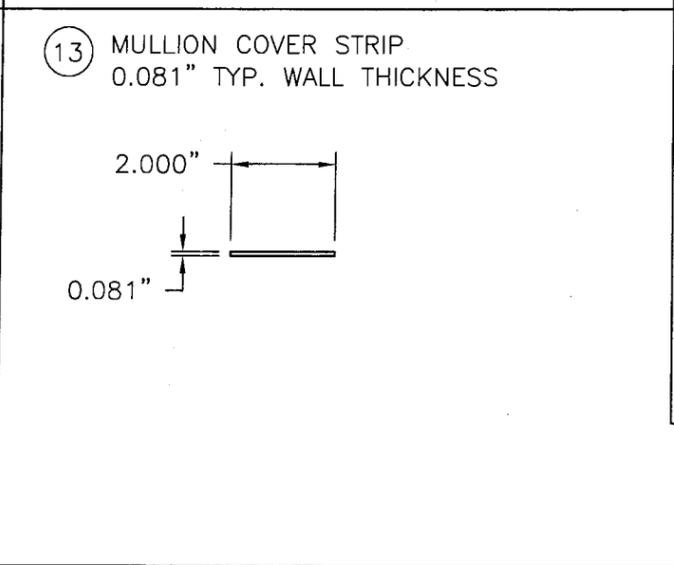
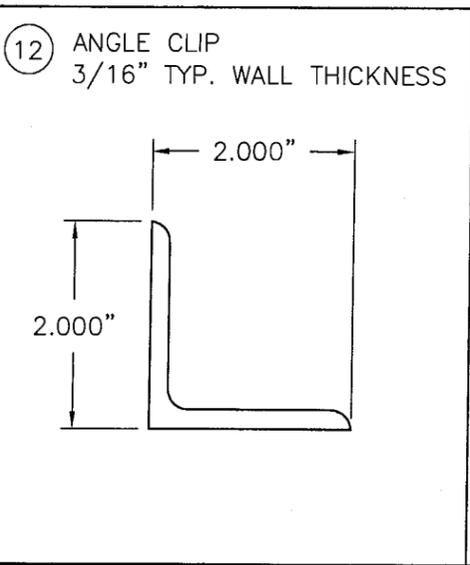
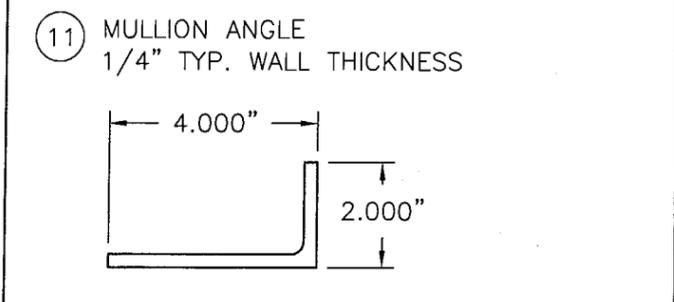
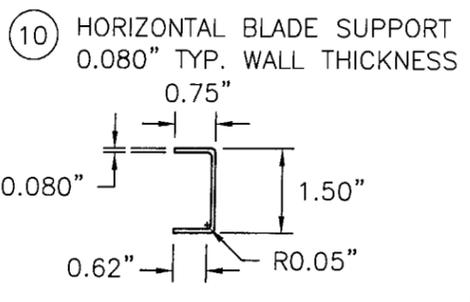
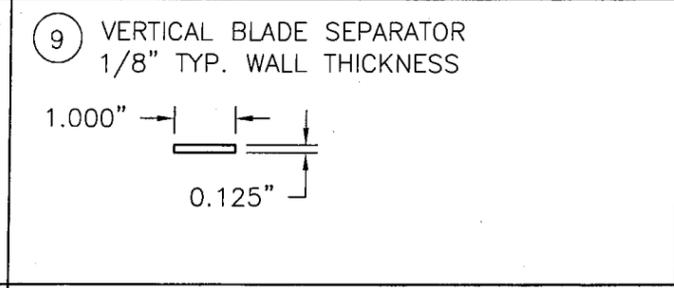
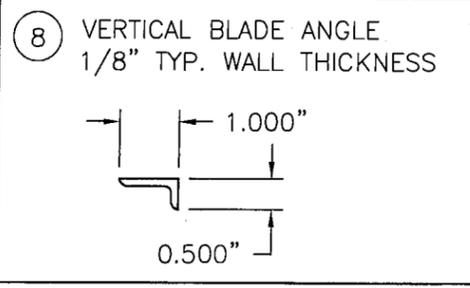
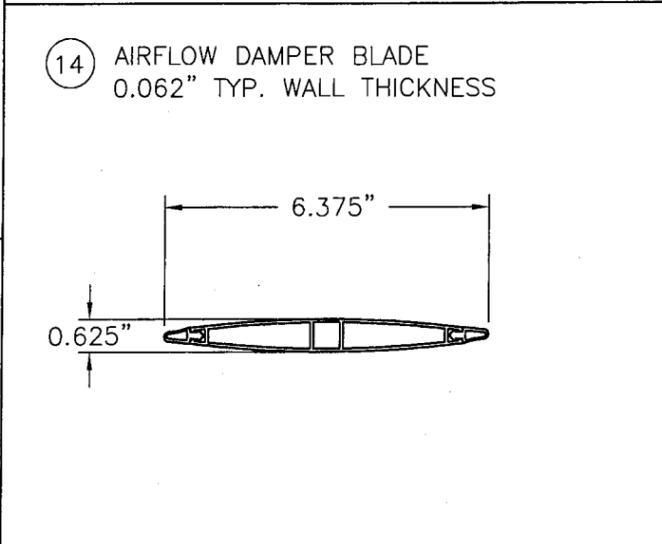
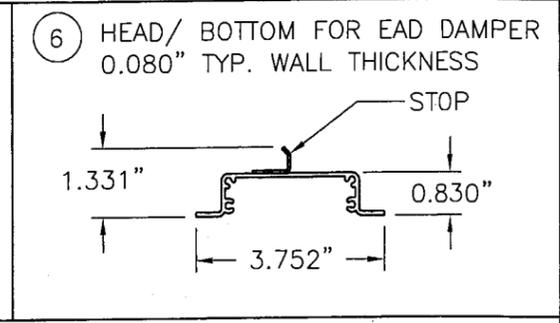
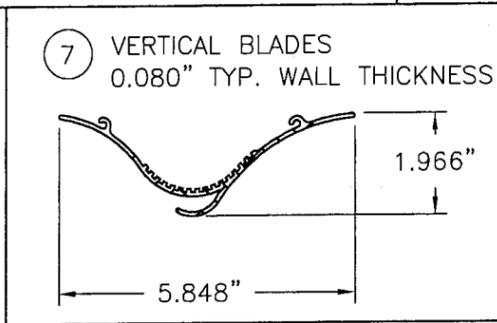
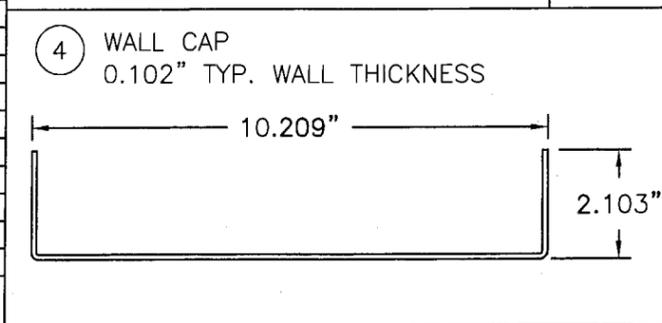
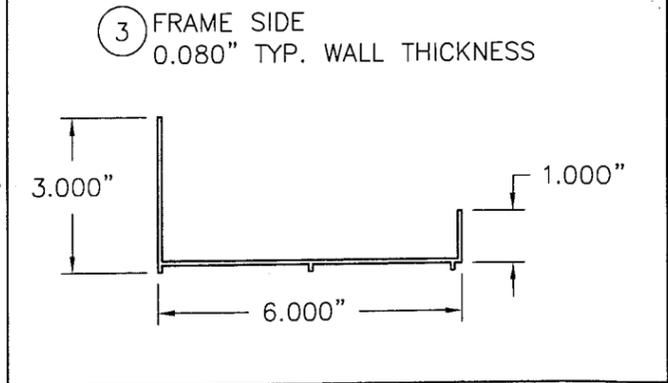
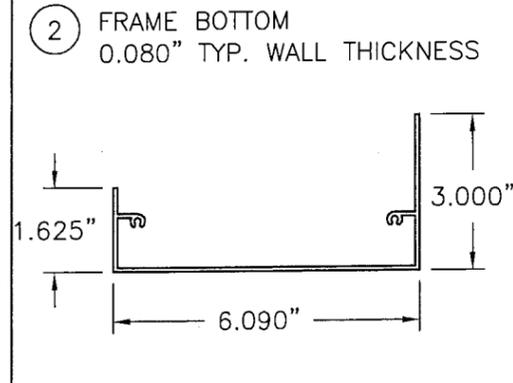
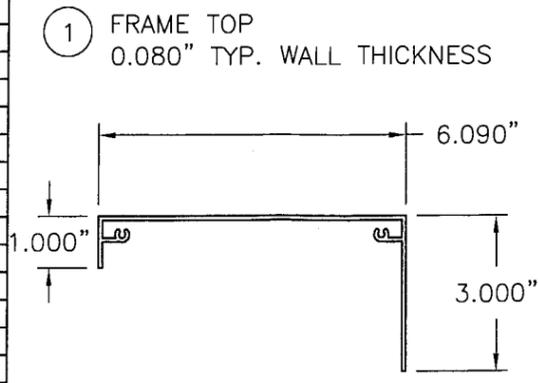
PREPARED BY: **PTC** PTC, LLC  
DRN: BB DATE: 01/16/07  
SCALE: NTS DWG. NO: LDR0008  
REV: A SHEET: 8 OF 9

Phone 321.690.1788 Fax 321.690.1789

Approved as complying with the  
Florida Building Code  
Date 07/26/07  
NOA# 07-0305-09  
Miami Dade Product Control  
Division  
By *M. Hart*

**BILL OF MATERIALS**

ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1	FRAME TOP	6063-T5	LEADER
2	FRAME BOTTOM	6063-T5	LEADER
3	FRAME SIDES	6063-T5	LEADER
4	WALL CAP	6063-T5	LEADER
5	0.081" ALUMINUM		
6	HEAD/ BOTTOM FOR EAD DAMPER	6063-T5	LEADER
7	VERTICAL FIXED BLADES	6063-T5	LEADER
8	1/2" X 1" X 1/8" ALUMINUM ANGLE	6063-T5	
9	1/8" X 1" ALUMINUM FLAT BAR	6063-T5	
10	HORIZONTAL BLADE SUPPORT		
11	2" X 4" X 1/4" MULLION ANGLE	6063-T5	
12	2" X 2" X 3/16" ALUMINUM ANGLE CLIP	6063-T5	
13	MULLION COVER STRIP		
14	AIRFOIL DAMPER BLADES		
15	MANUAL HAND QUADRANT		
16	DAMPER FRAME 0.081" ALUMINUM		
17	VERTICAL MULLION	6063-T5	LEADER
18	#14 X 1" TEK SCREW		
19	#8 X 1/2" TEK SCREW		
20	3/8"-16 X 1" BOLT & NUT		
21	3/8" HILTI KWIKSET III		
22	7/16" LAG SCREW W/ 3 1/2" MIN. EMBEDMENT		



Approved as complying with the Florida Building Code  
 Date: 07/26/07  
 NO. 07-0305-09  
 Product Control  
*M. Thack*

SYMBOL	REVISION	DATE	BY
A	CHANGES PER MIAMI-DADE RFI LETTER	6/05/07	TK

*Eric S. Nielsen*  
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**LEADER INDUSTRIES, INC.**  
 2509 CRUZEN ST. NASHVILLE, TN 32711

TITLE: DC-VB6 LOUVER SYSTEM  
 BILL OF MATERIALS & COMPONENTS

PREPARED BY: **PTC**  
 PTC, LLC  
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DRN: BB	DATE: 01/16/07
SCALE: NTS	DWG. NO: LDR0008
REV: A	SHEET: 9 OF 9