



**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  
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-638 Penthouse Louver Systems.**

**APPROVAL DOCUMENT:** Drawing No.LDR0004, titled "DC-638" dated 07/29/04 with last revision on 06/21/05, prepared by Leader Industries, Inc., signed and sealed by E. S. Nielsen, P.E., bearing the Miami-Dade County Product Control Revision stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 04-1209.01 consists of this page, evidence page as well as approval document mentioned above.

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

*Candido E. Font*  
01/06/06



**NOA No: 05-1114.05  
Expiration Date: March 17, 2010  
Approval Date: January 6, 2006  
Page 1**

**Leader Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS.**

1. Drawing prepared by Product Technology Corporation titled "DC-638 Penthouse Louver Systems" Drawing No. LDR0004, sheets 1 through 5 of 5, dated 10/19/04 with last revision on 01/31/05. signed and sealed by E. S. Nielsen, PE.

**B. TESTS.**

1. Test report on Large Missile Impact Test per TAS 201, Test, Cyclic Wind Pressure Test per TAS 203, Test and Uniform Static Air Pressure Test per TAS 202 of "DC-PEAB Aluminum Louvered Penthouse", prepared by National Certified Testing Laboratories, report No. 210-3056-1, dated 10/25/04, signed and sealed by G. J. Ferrera, PE
2. Clarification letter issued by Architectural Testing Inc, on 05/27/03, signed by J. A. Reed PE.

**C. CALCULATIONS.**

1. Anchor Calculations prepared by Product Technology Corporation, dated 11/02/04, pages 1 to 5, signed and sealed by E. S. Nielsen, PE.

**D QUALITY ASSURANCE**

1. Building Code compliance Office.

**E. STATEMENTS**

1. Test compliance and No financial interest letter issued by Product Technology Corporation, on 12/03/04, signed by E. S. Nielsen, PE and notarized by S. Feb
2. Letter requesting revision issued by Leader Industries Inc. on 04/06/05 and signed by J. Newnam



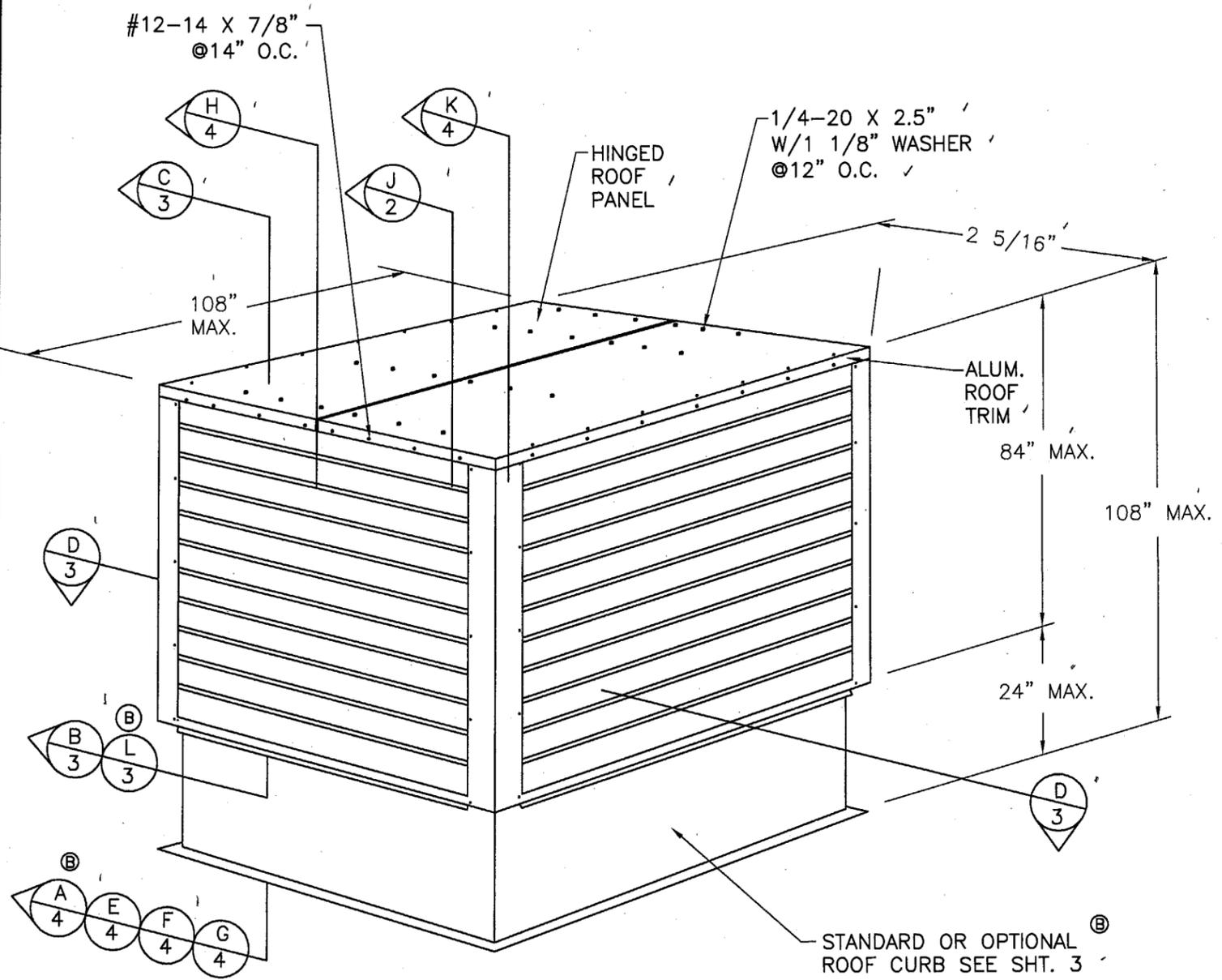
Candido F. Font PE.

Sr. Product Control Examiner

NOA No 05-1114.05

Expiration Date: March 17, 2010

Approval: Date: January 6, 2006



EXTERIOR ELEVATION

DESIGN PRESSURE RATING  
+ 100.0 PSF / -100.0 PSF

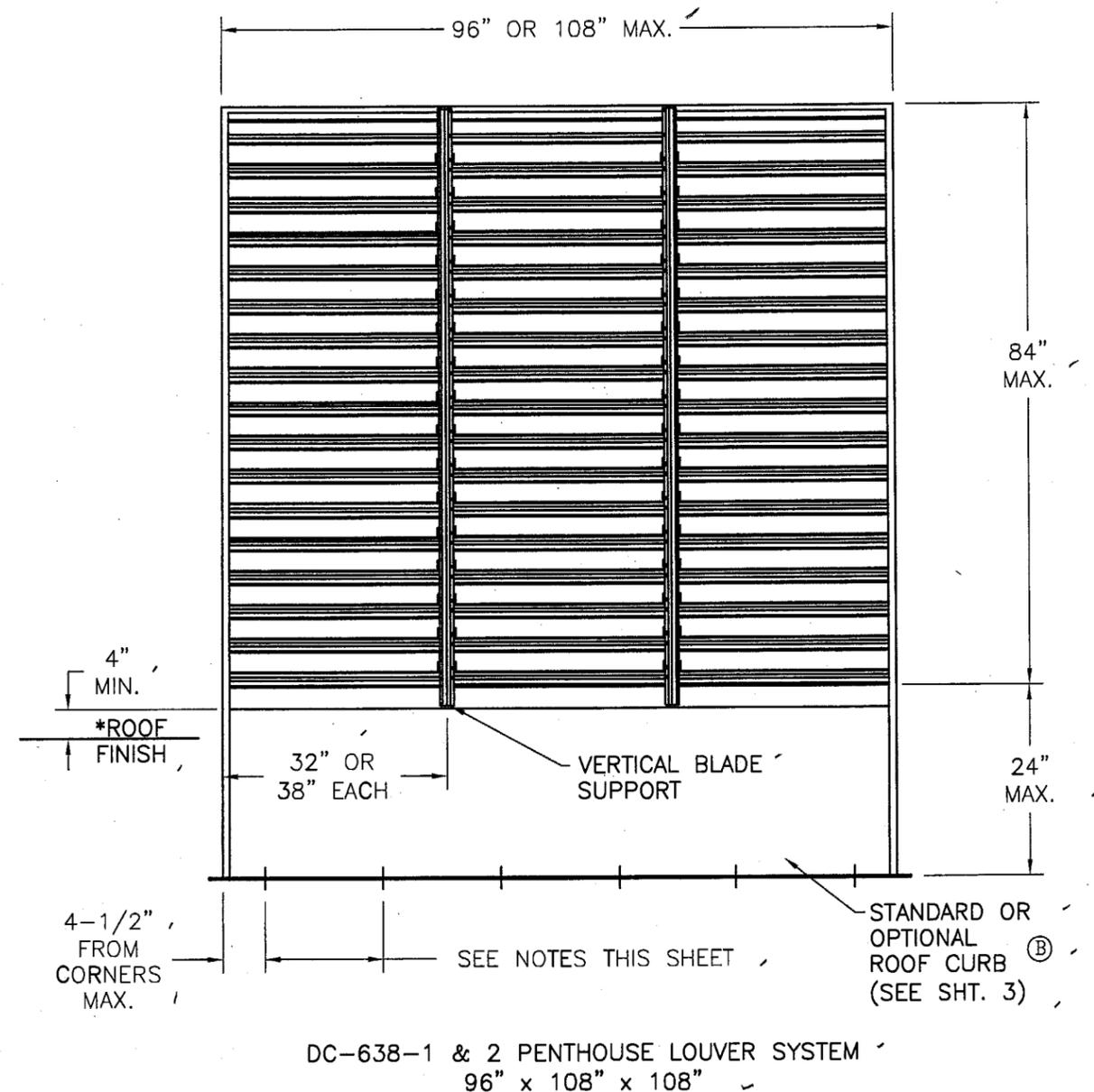
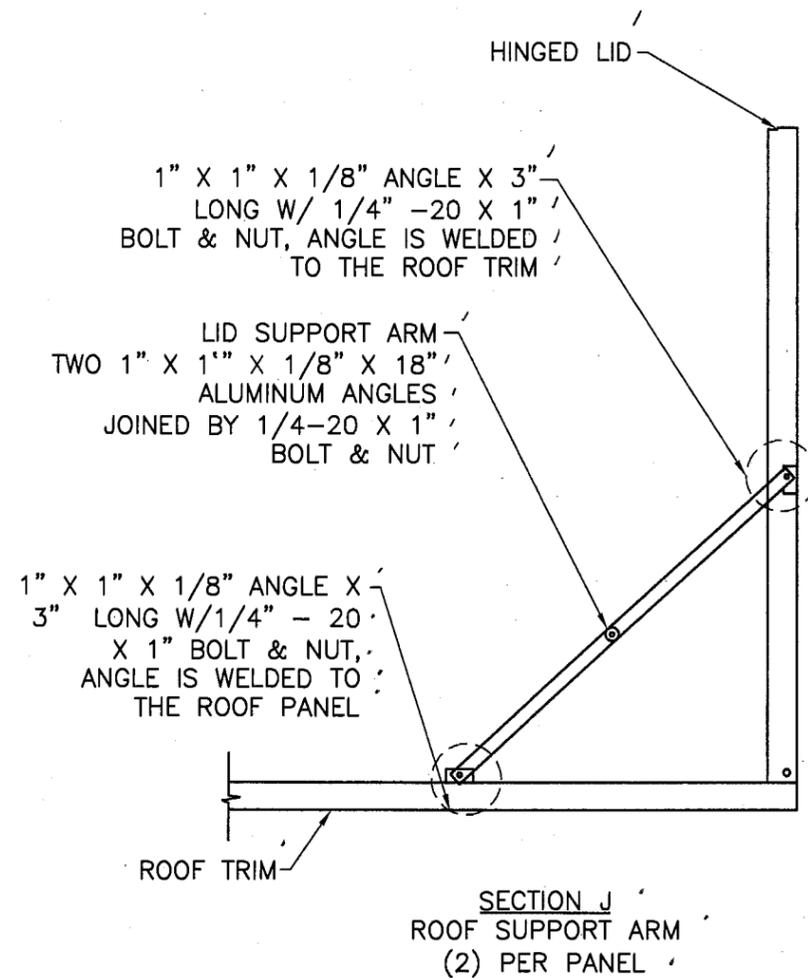
GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE HVHZ FLORIDA BUILDING CODE.
- 2) ROOF SYSTEM MUST BE DESIGNED PROPERLY TO TRANSFER ALL LOADS TO THE STRUCTURE. ROOF SYSTEM 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 RATING SHEET 1.
- 5) ISOLATE ALL SUBSTRATE ANCHOR CLIPS/ ANGLES, PART NUMBERS 9 & 16 FROM MASONRY/CONCRETE SUBSTRATE BY OTHERS.
- 6) UNIT CAN BE INSTALLED WITH OR WITHOUT ITEM 11, FAN SKIRT, & ITEM 12, FAN BRACKET.
- 7) THIS UNIT IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM INSIDE THE SYSTEM IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANCE WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 05-111405  
Expiration Date 03/17/10  
By   
Miami Dade Product Control  
Division

 12/7/05 Eric S. Nielsen Florida P. E. No. 41323 Product Technology Corporation 1150 Louisiana Ave., Suite 6 Winter Park, Florida 32789 FBPE Certificate of Authorization NO. 8681		LEADER INDUSTRIES, INC.	
		2509 CRUZEN ST., NASHVILLE, TN 37211	
TITLE: DC-638 PENTHOUSE LOUVER SYSTEMS		ELEVATION AND GENERAL NOTES	
PREPARED BY:	DRN:	DATE:	
	DRL	10/19/04	
SCALE:	N.T.S	DWG. NO:	LDR0004
REV:	D	SHEET:	1 OF 5
Phone 407.622.6334 Fax 407.622.6335			

SYM	REVISION	DATE	BY
D	Removal of Floating Curb	12/06/05	HFN
C	Added optional fan skirt	11/14/05	DRL
B	Skirt to support	06/21/05	BB
A	Per Dade County letter dated 01/11/05	01/31/05	DRL



DC-638-1 & 2 PENTHOUSE LOUVER SYSTEM  
96" x 108" x 108"

**ANCHORING NOTES:**

- 1) SUBSTRATES, ANCHOR TYPES & SPACING ARE AS FOLLOWS:
  - A) CONCRETE DECKING USE 3/8" DIA. HILTI KWIK BOLT II ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE MIN. OF 3" EMBEDMENT INTO CONCRETE. SPACE 3/8" DIA. HILTI KWIK BOLT II ANCHORS 4-1/2" MAX. FROM CORNERS & 14-1/2" O.C. MAX.
  - B) WOOD FRAME DECKING, USE 7/16" DIA. LAG BOLT OF SUFFICIENT LENGTH TO ACHIEVE 3-1/2" MIN. EMBEDMENT INTO WOOD DECKING. SPACE 7/16" DIA. LAG ANCHORS 4-1/2" MAX. FROM CORNERS & 10-7/8" O.C. MAX.
  - C) STEEL GIRDER OR PERLIN WITH METAL DECKING, USE #12-3 POINT ITWBUILDDEX MAXISEAL SCREW SPACED 4-1/2" MAX. FROM CORNERS & 4-1/2" O.C. MAX. USING 3/4" FILLET WELD SPACED 4-1/2" FROM CORNERS MAX. & 12-3/8" O.C. MAX.
- 2) \* ALL ROOFING DETAILS SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE.

PRODUCT REVISED  
to comply with the Florida  
Building Code  
Acceptance No. 05-1114.05  
Expiration Date 03/17/10  
By *[Signature]*  
Miami Dade Product Control  
Division

SYM	REVISION	DATE	BY
D	Removal of Floating Curb	12/06/05	HFN
C	Added optional fan skirt	11/14/05	DRL
B	Skirt to support	08/21/05	BB
A	Per Dade County letter dated 01/11/05	01/31/05	DRL

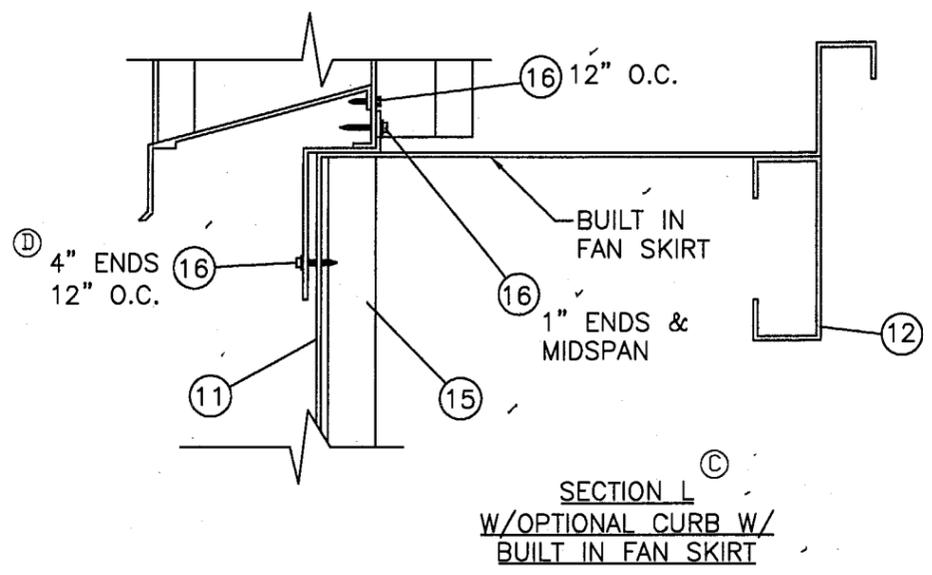
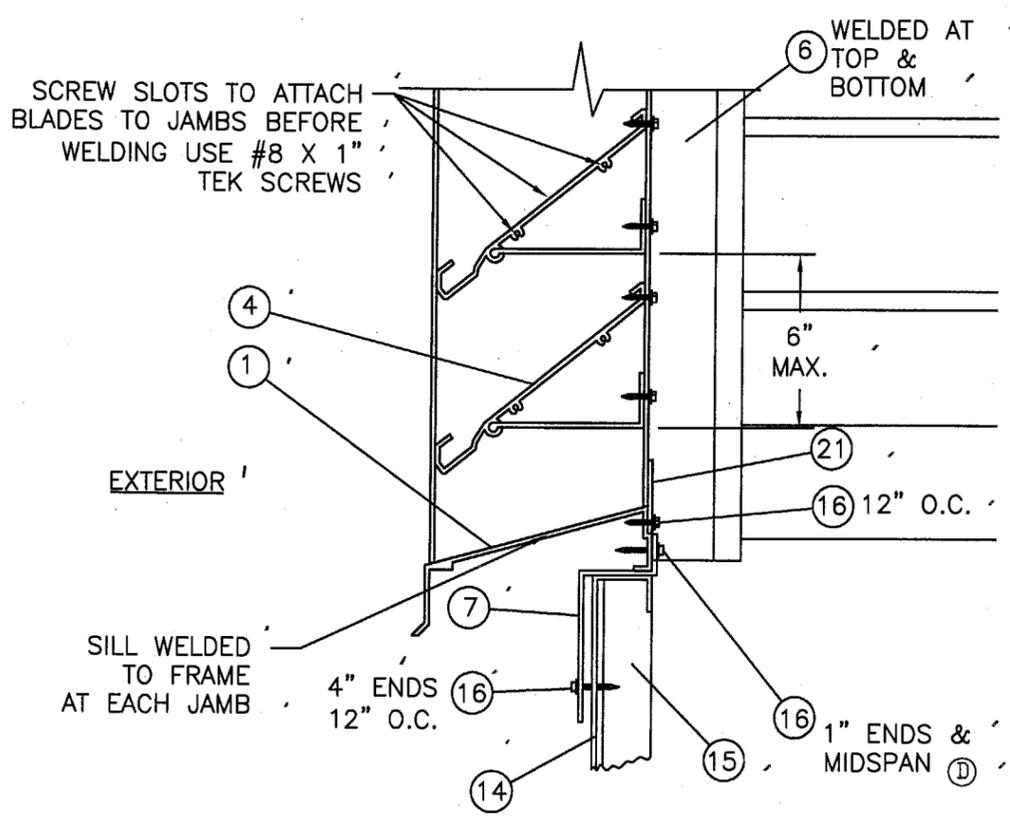
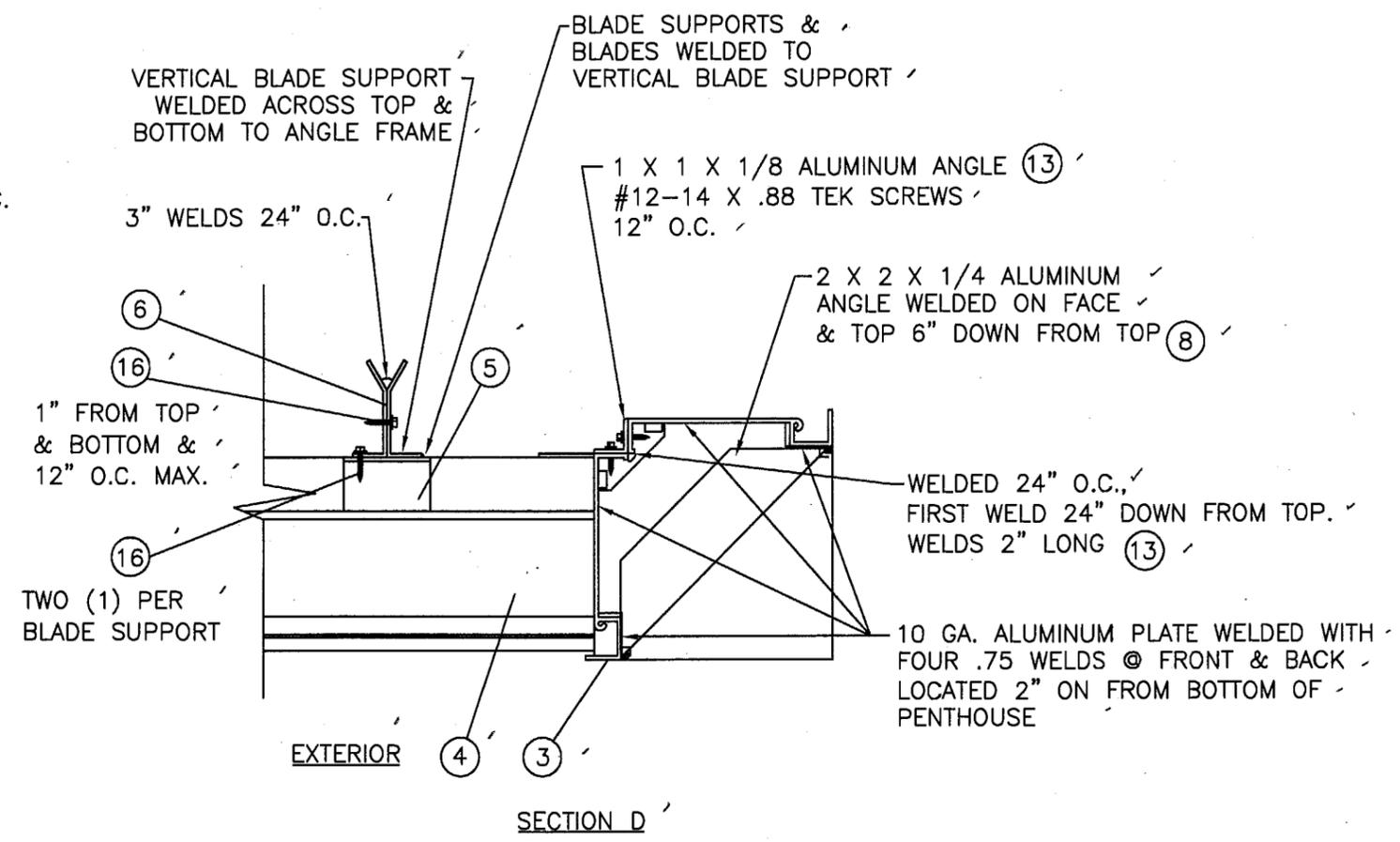
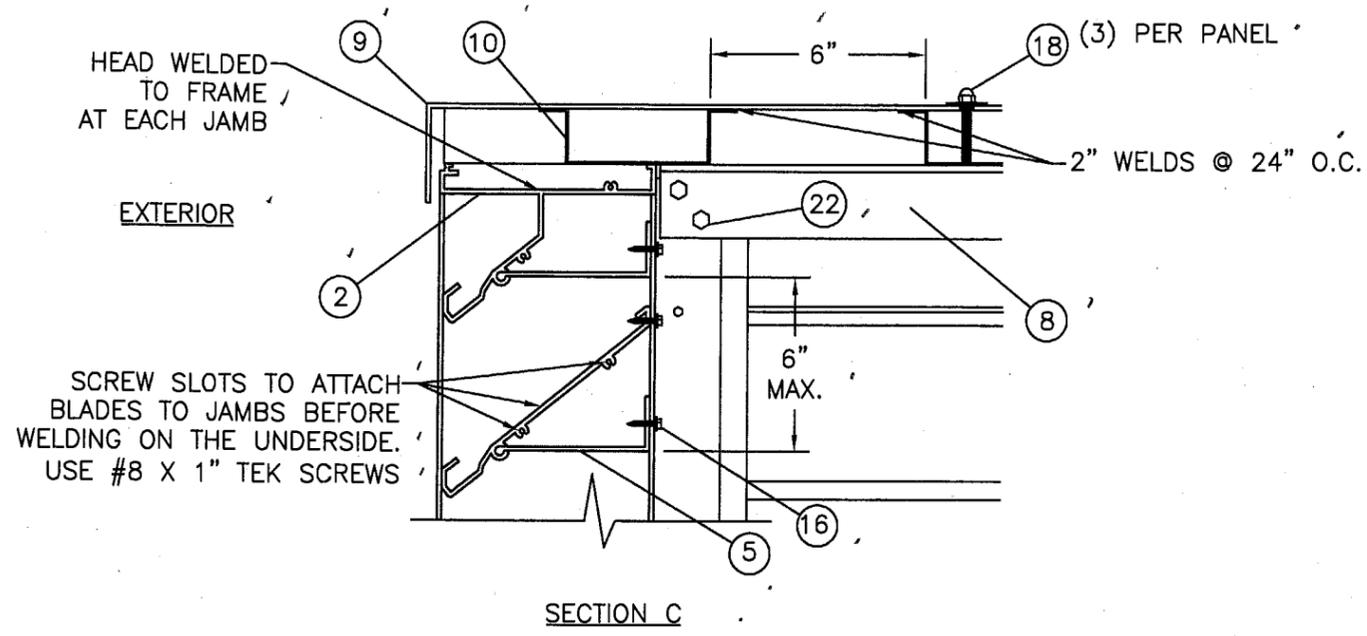
*[Signature]*  
12/7/05  
Eric S. Nielsen  
Florida P. E. No. 41323  
Product Technology Corporation  
1150 Louisiana Ave., Suite 6  
Winter Park, Florida 32789  
FBPE Certificate of Authorization NO. 8881

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

TITLE: DC-638 PENTHOUSE LOUVER SYSTEMS  
ANCHORING DETAILS

PREPARED BY: **PTC** Product Technology Corporation  
DRN: DRL DATE: 10/19/04  
SCALE: N.T.S. DWG. NO: LDRO004  
REV: D SHEET: 2 OF 5

Phone 407.622.6334 Fax 407.622.6335



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 05-1114.05  
 Expiration Date 02/17/10  
 City  
 Product Control  
 Division

SECTION B ©  
 W/STANDARD CURB

SECTION L ©  
 W/OPTIONAL CURB W/  
 BUILT IN FAN SKIRT

SYM	REVISION	DATE	BY
D	Removal of Floating Curb	12/08/05	HPN
C	Added optional fan skirt	11/14/05	DRL
B	Skirt to support	08/21/05	BB
A	Per Dade County letter dated 01/11/05	01/31/05	DRL

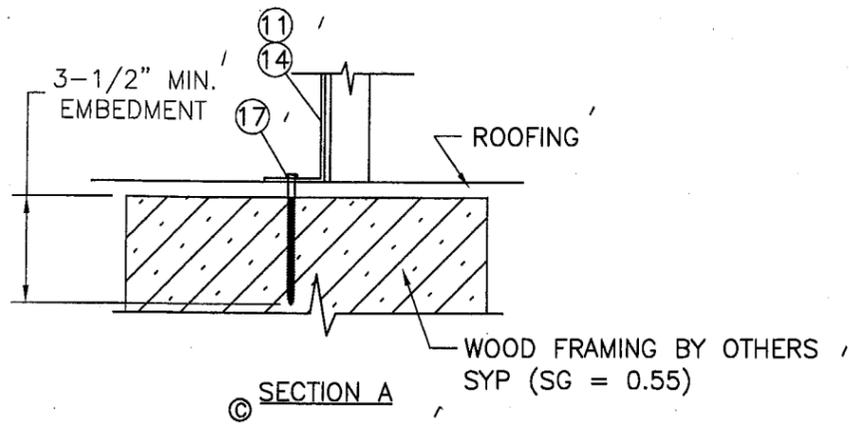
*ESN*  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 Product Technology Corporation  
 1150 Louisiana Ave., Suite 6  
 Winter Park, Florida 32789  
 FBPE Certificate of Authorization NO. 8681

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

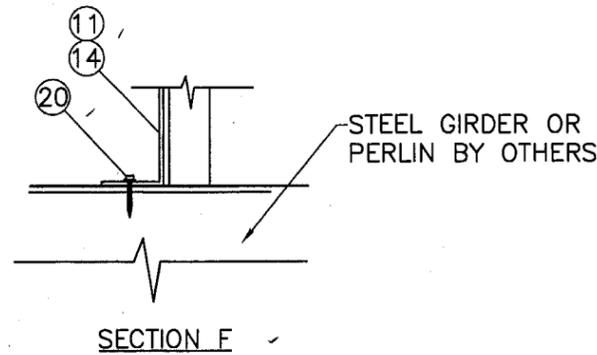
TITLE: DC-638 PENTHOUSE LOUVER SYSTEMS  
 INSTALLATION DETAILS

PREPARED BY: **PTC** Product Technology Corporation  
 DRN: DRL DATE: 10/19/04  
 SCALE: N.T.S. DWG. NO: LDR0004  
 REV: D SHEET: 3 OF 5

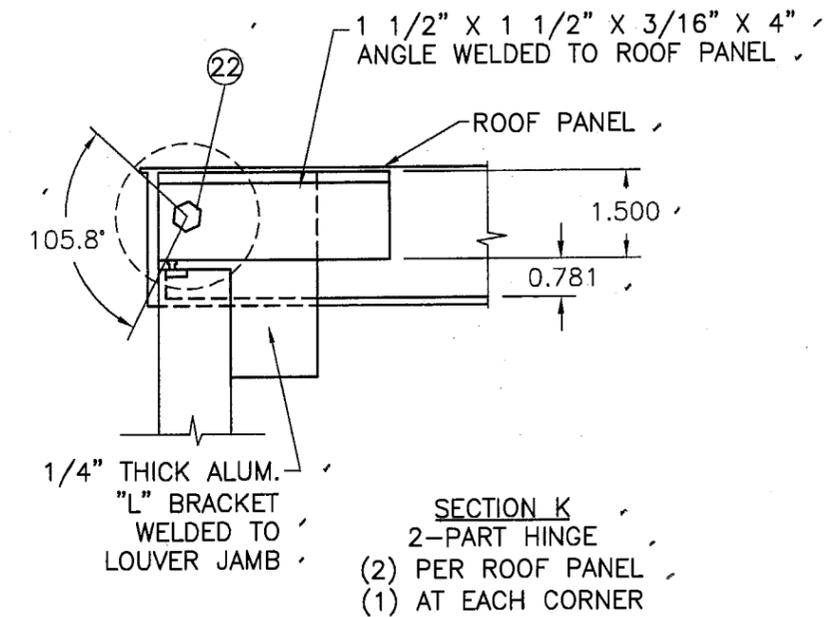
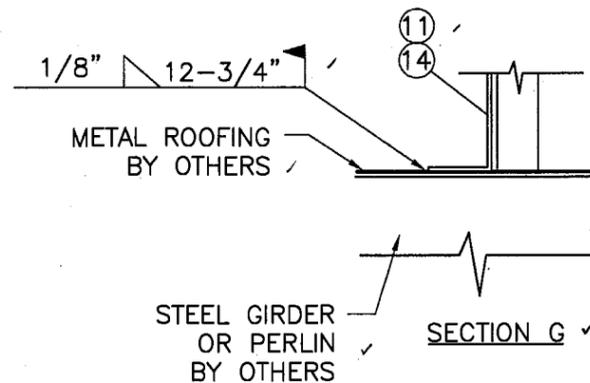
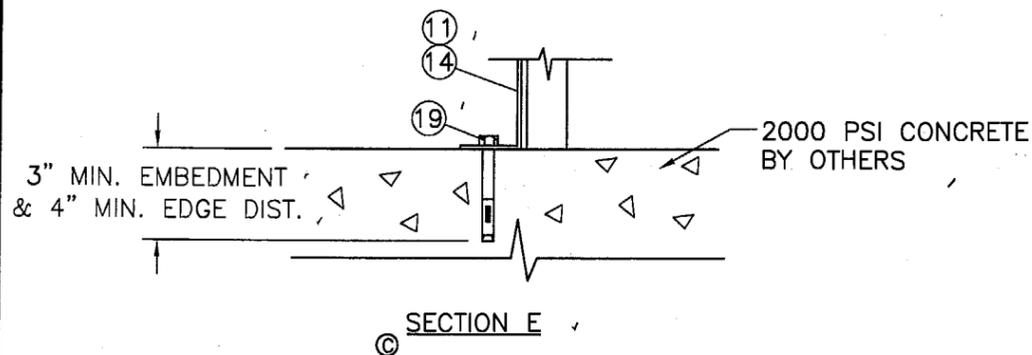
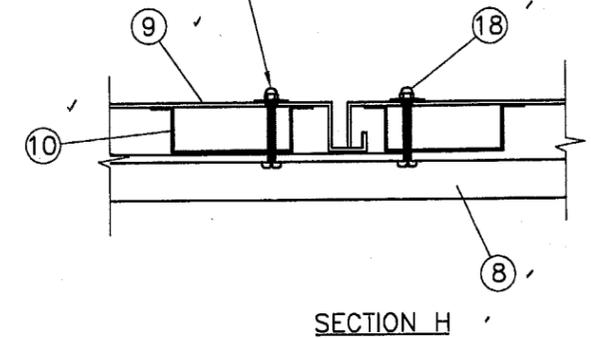
Phone 407.622.8334 Fax 407.622.8335



METAL ROOFING BY OTHERS

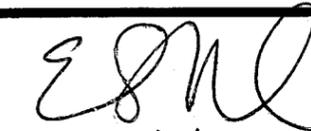


BOLT PATTERN 12" O.C.  
3 BOLTS MAX. PER SIDE,  
PER PANEL



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 05-1114.05  
Expiration Date 03/17/10  
By   
Miami Dade Product Control  
Division

SYM	REVISION	DATE	BY
D	Removal of Floating Curb	12/08/05	HFN
C	Added optional fan skirt	11/14/05	DRL
B	Skirt to support	06/21/05	BB
A	Per Dade County letter dated 01/11/05	01/31/05	DRL

  
12/17/05  
Eric S. Nielsen  
Florida P. E. No. 41323  
Product Technology Corporation  
1150 Louisiana Ave., Suite 6  
Winter Park, Florida 32789  
FBPE Certificate of Authorization NO. 8681

LEADER INDUSTRIES, INC.  
2509 CRUZEN ST., NASHVILLE, TN 37211  
TITLE: DC-638 PENTHOUSE LOUVER SYSTEMS  
INSTALLATION AND ANCHORING DETAILS

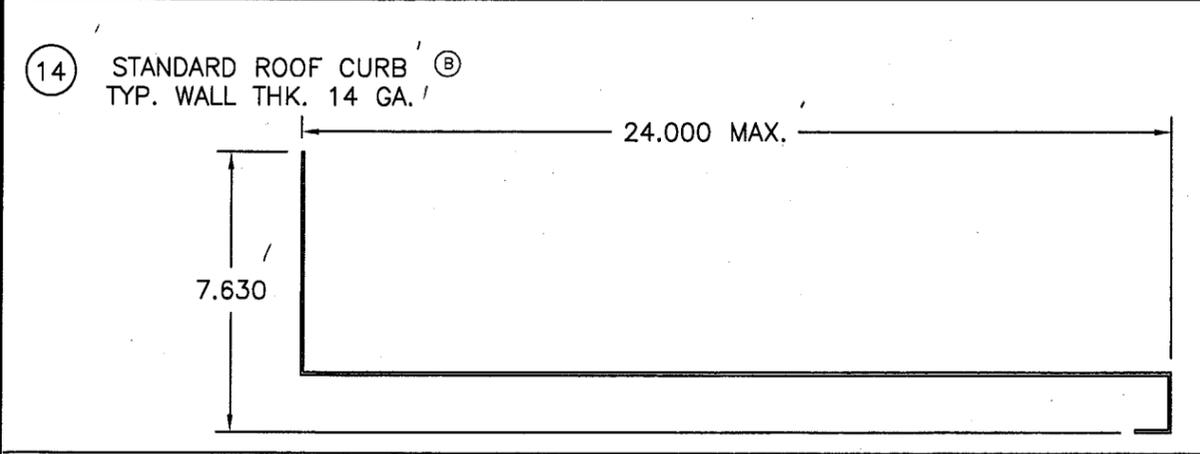
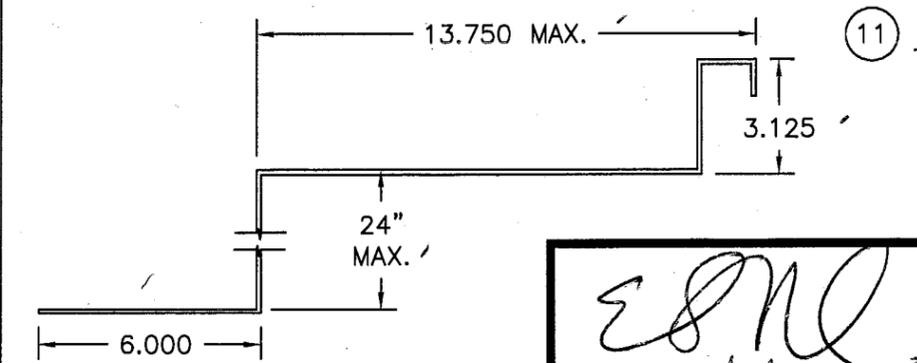
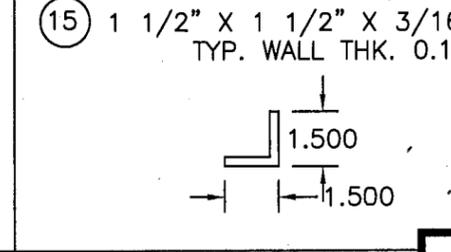
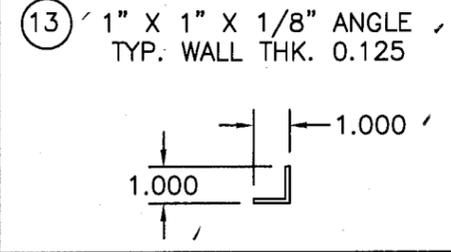
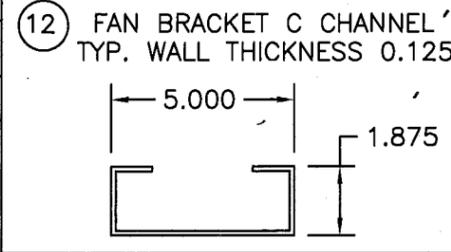
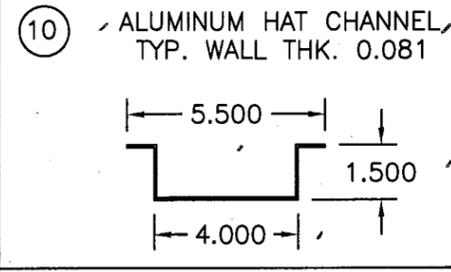
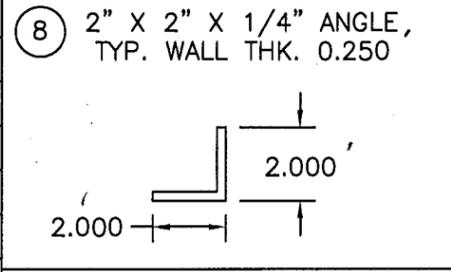
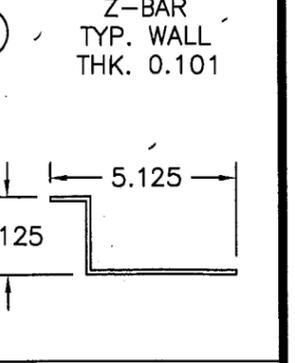
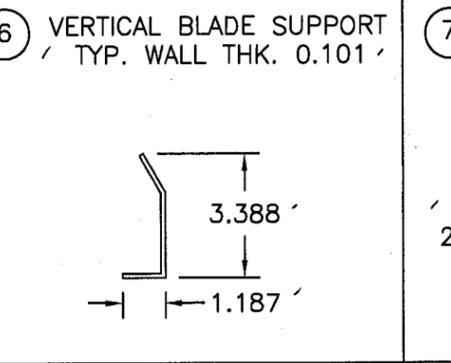
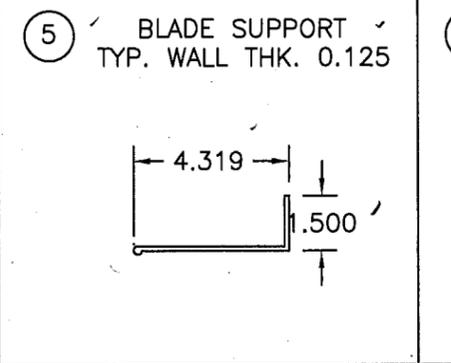
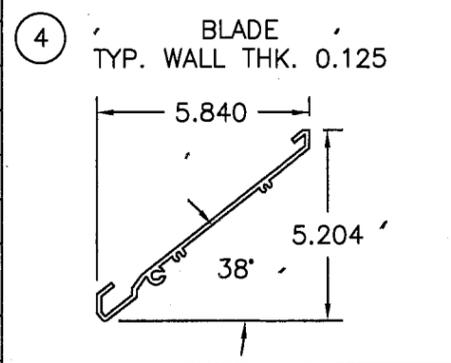
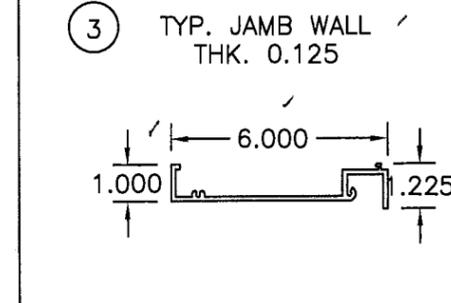
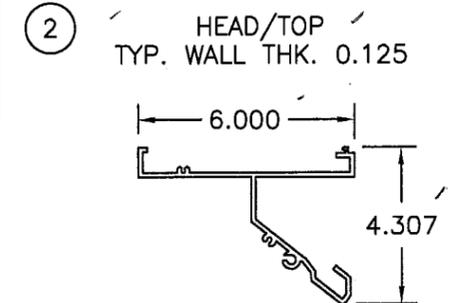
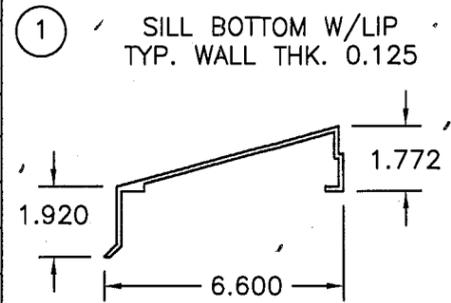
PREPARED BY:   
Product Technology Corporation

DRN:	DRL	DATE:	10/19/04
SCALE:	N.T.S.	DWG. NO.:	LDR0004
REV:	D	SHEET:	4 OF 5

Phone 407.622.6334 Fax 407.622.6335

DC-638 PENTHOUSE LOUVER SYSTEM

ITEM NO.	DESCRIPTION	DIE NO.	VENDOR
1	SILL/BOTTOM W/LIP EXTRUDED ALUM.	22855	LEADER
2	HEAD/TOP EXTRUDED ALUM.	22943	LEADER
3	JAMB EXTRUDED ALUM.	22852	LEADER
4	BLADE EXTRUDED ALUM.	22851	LEADER
5	BLADE SUPPORT EXTRUDED ALUM.	22854	LEADER
6	VERTICAL BLADE SUPPORT EXTRUDED ALUM.		LEADER
7	10 GA. GALVANIZED Z-BAR		LEADER
8	2" X 2" X 1/4" ALUMINUM ANGLE		LEADER
9	ROOF SKIN 0.106" THICK ALUMINUM		LEADER
10	ALUMINUM HAT CHANNEL 0.081" THICK		LEADER
11	FAN SKIRT 14 GA. GALVANIZED STEEL (OPTIONAL) ©		LEADER
12	FAN BRACKET SUPPORT 14 GA. GALVANIZED OR 0.125" THICK ALUMINUM (OPTIONAL) ©		LEADER
13	1" X 1" X 1/8" ALUMINUM ANGLE		LEADER
14	ROOF CURB 14 GA. GALVANIZED STEEL 24" MAX. HEIGHT <sup>®</sup>		LEADER
15	1-1/2" X 1-1/2" X 3/16" STEEL ANGLE		
16	#12-14 X 1 1/2" TEK SCREW		
17	7/16" LAG BOLT INSTALLATION ANCHOR		
18	1/4-20 BOLT, NUT & WASHER		
19	3/8" HILTI KWIK BOLT II INSTALL. ANCHOR		HILTI
20	#12-3 POINT ITWBUILD EX MAXISEAL SCREW		ITWBUILD EX
21	ALUMINUM RAIN STOP 0.135" THICK		
22	1/2" X 1" BOLT, WASHER & LOCK NUT		



1) ALL ALUMINUM: 6063-T5 UNLESS OTHERWISE NOTED.  
 2) THE 24" HIGH 14 GA. GALVANIZED ROOF CURB HAS WELDED CORNERS. 10.8" SIDE HAS (4) STEEL ANGLES 1.5 X 1.5 X 1/4 AT 24" FROM ENDS AND 20" O.C., WELDED TO CURB WITH (3) 1.5" WELDS. THE 96" SIDE HAS (3) STEEL ANGLES 1.5 X 1.5 1/4 AT 26" FROM ENDS AND 22" O.C., WELDED TO CURB WITH (3) 1.5 WELDS.

SYM	REVISION	DATE	BY
D	Removal of Floating Curb	12/06/05	HFN
C	Added optional fan skirt	11/14/05	DRL
B	Skirt to support	08/21/05	BB
A	Per Dade County letter dated 01/11/05	01/31/05	DRL

*Eric S. Nielsen*  
 12/17/05  
 Eric S. Nielsen  
 Florida P. E. No. 41323  
 Product Technology Corporation  
 1150 Louisiana Ave., Suite 6  
 Winter Park, Florida 32789  
 FBPE Certificate of Authorization NO. 8681

LEADER INDUSTRIES, INC.  
 2509 CRUZEN ST., NASHVILLE, TN 37211  
 TITLE: DC-638 PENTHOUSE LOUVER SYSTEMS  
 BOM AND UNIT COMPONENTS

PREPARED BY: **PTC** Product Technology Corporation  
 DRN: BB DATE: 10/19/04  
 SCALE: N.T.S. DWG. NO: LDR0004  
 REV: D SHEET: 5 OF 5

Phone 407.622.6334 Fax 407.622.6335

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 By: *[Signature]*  
 Miami Dade Product Control  
 Division