



**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
2500 Cruzen Street
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 Penthouse Louver Systems" dated 07/19/04 and 10/19/04 with last revision on 01/31/05, sheets 1 through 5 of 5, prepared by Product Technology Corporation, signed and sealed by E. 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 consisting of this page, evidence page as well as approval document mentioned above.

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

[Handwritten signature]
03/17/05



**NOA No: 04-1209.01
Expiration Date: March 17, 2010
Approval Date: March 17, 2005
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

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 07/29/04 and 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.

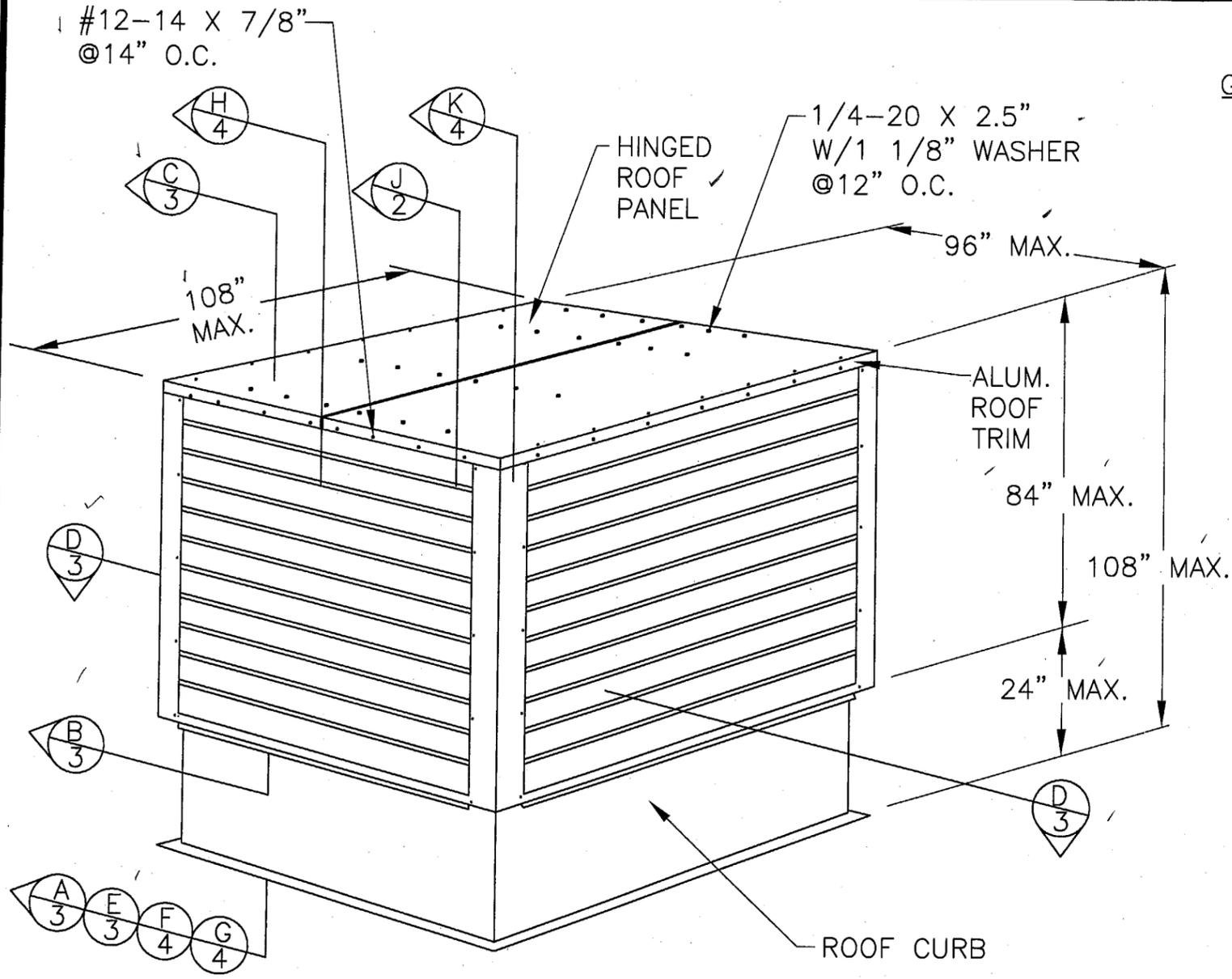
D. QUALITY ASSURANCE

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


03/17/05
Candido F. Font PE.
Sr. Product Control Examiner
NOA No 04-1209.01
Expiration Date: March 17, 2010
Approval: Date: March 17, 2005



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 12, FAN SKIRT, & ITEM 13, FAN SUPPORT.
- 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 RESISTENCE WATER PROOF EQUIPMETN, COMPNENTS OR SUPPLIES.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	ELEVATION & GENERAL NOTES
2	ANCHORING DETAILS & SECTIONS
3 & 4	INSTALLATION DETAILS
5	BILL OF MATERIAL & UNIT COMPONENTS

Approved as complying with the
Florida Building Code
Date: 03/17/05
NOA# 04-1209.01
Miami Dade Product Control
Division
By:

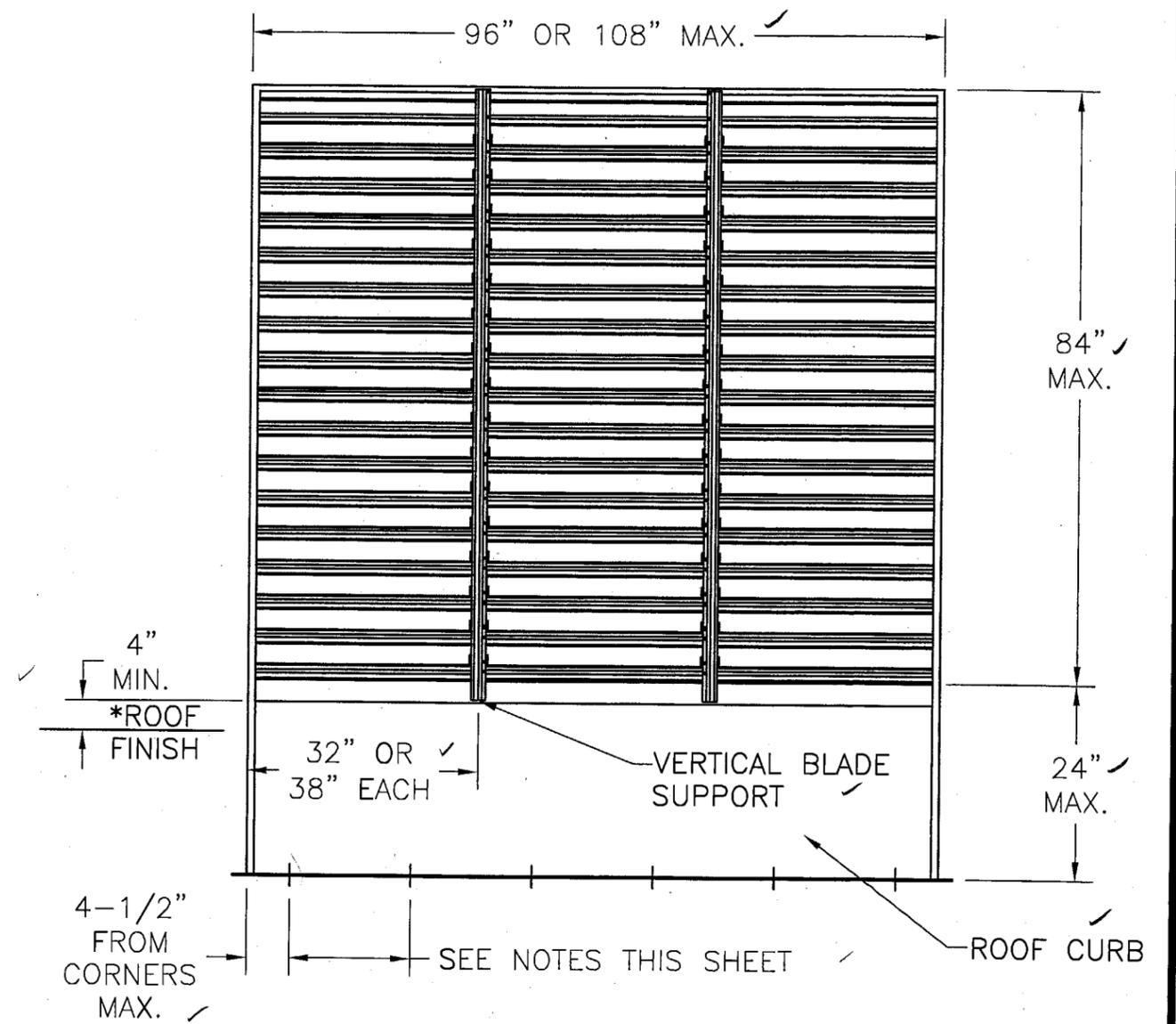
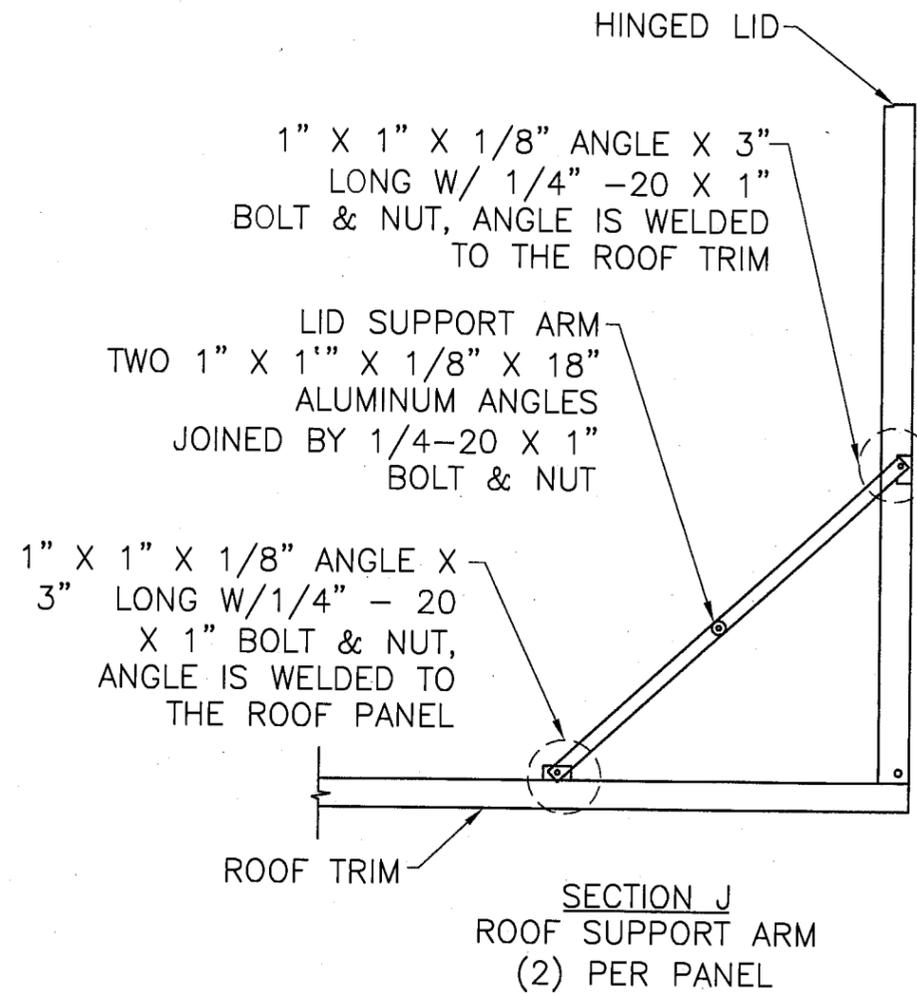
SYM	REVISION	DATE	BY
A	Per Dade County letter dated 01/11/05	01/31/05	DRL

2/11/05
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 & GENERAL NOTES

PREPARED BY:	DRL	DATE:	07/29/04
	N.T.S.	DWG. NO.:	LDR0004
REV:	A	SHEET:	1 OF 5

Phone 407.622.6334 Fax 407.622.6335



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 ITWBUILD EX 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.

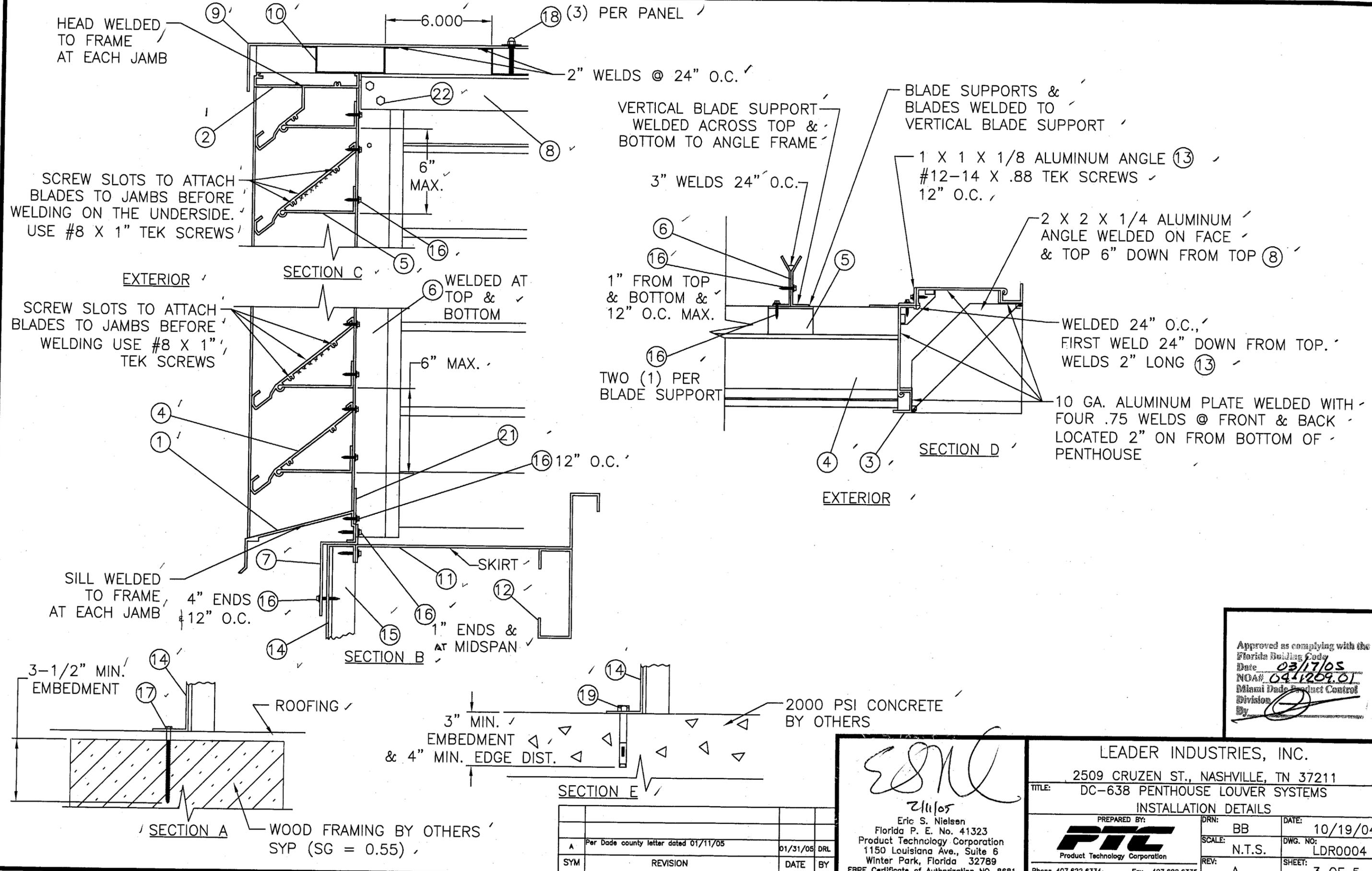
Approved as complying with the Florida Building Code
 Date 03/17/05
 NOAH 04-1209.01
 Miami Dade Product Control Division
 By [Signature]

SYM	REVISION	DATE	BY
A	Per Dade county letter dated 01/11/05	01/31/05	DRL

ESNI
2/11/05
 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
 ANCHORING DETAILS

PREPARED BY: **PTC** Product Technology Corporation
 DRN: DRL DATE: 10/19/04
 SCALE: N.T.S. DWG. NO: LDR0004
 REV: A SHEET: 2 OF 5
 Phone 407.622.6334 Fax 407.622.6335



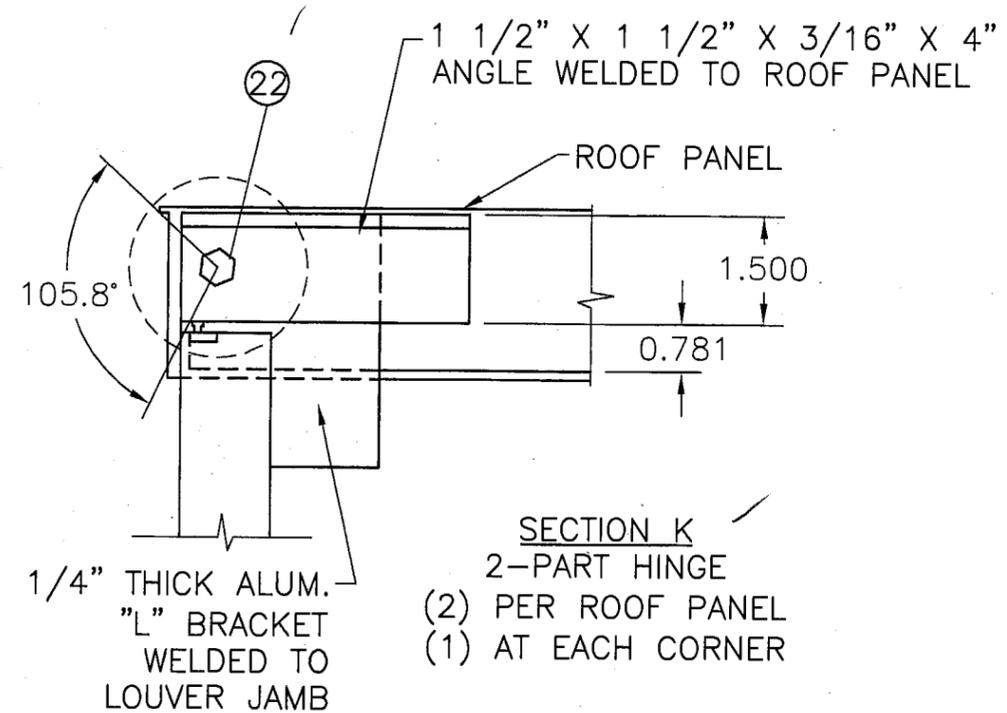
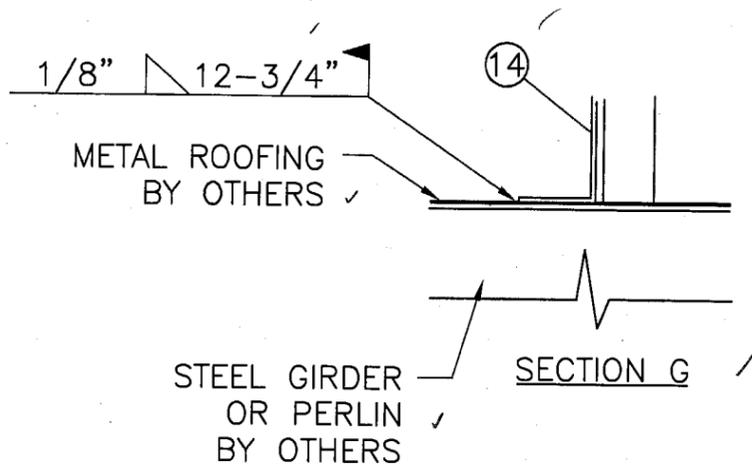
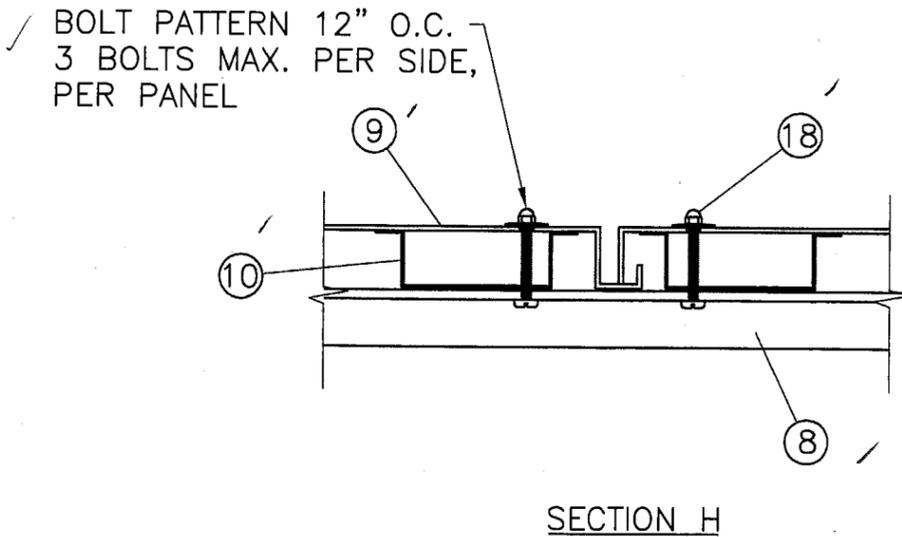
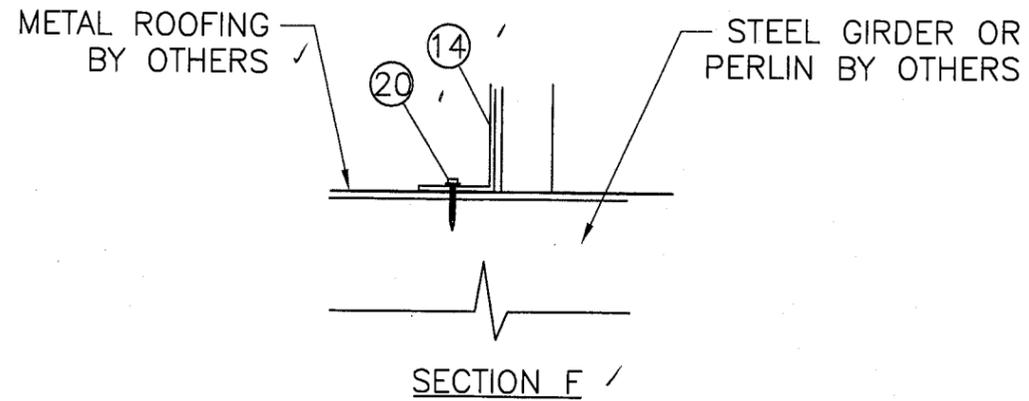
Approved as complying with the Florida Building Code
 Date 03/17/05
 NOA# 04-1209-01
 Miami Dade Product Control Division
 By

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: Product Technology Corporation
 DRN: BB DATE: 10/19/04
 SCALE: N.T.S. DWG. NO: LDR0004
 REV: A SHEET: 3 OF 5

SYM	REVISION	DATE	BY
A	Per Dade county letter dated 01/11/05	01/31/05	DRL



Approved as complying with the
Florida Building Code
Date 03/17/05
NOA# 04-1209.01
Miami Dade Product Control
Division
By [Signature]

SYM	REVISION	DATE	BY
A	Per Dade county letter dated 01/11/05	01/31/05	DRL

[Signature]
2/11/05
Eric S. Nielsen
Florida P. E. No. 41323
Product Technology Corporation
1150 Louisiana Ave., Suite 6
Winter Park, Florida 32789
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LEADER INDUSTRIES, INC.
2509 CRUZEN ST., NASHVILLE, TN 37211

TITLE: DC-638 PENTHOUSE LOUVER SYSTEMS
ANCHORING DETAILS

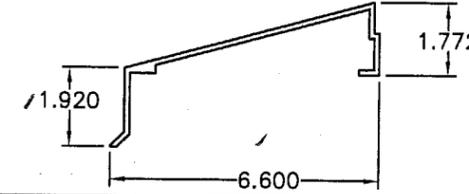
PREPARED BY: **PTC** Product Technology Corporation
DRN: DRL DATE: 10/19/04
SCALE: N.T.S. DWG. NO: LDR0004
REV: A SHEET: 4 OF 5

Phone 407.622.6334 Fax 407.622.6335

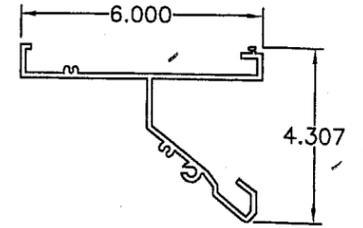
DC-638 PENTHOUSE LOUVER SYSTEM

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 ✓		LEADER
12	FAN BRACKET SUPPORT 14 GA. GALVANIZED OR 0.125" THICK ALUMINUM ✓		LEADER
13	1" X 1" X 1/8" ALUMINUM ANGLE ✓		LEADER
14	ROOF CURB 14 GA. GALVANIZED STEEL ✓		LEADER
15	1-1/2" X 1-1/2" X 3/16" STEEL ANGLE ✓		LEADER
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 INSTAL. ANCHOR ✓		HILTI
20	#12-3 POINT ITWBUILDEX MAXISEAL SCREW ✓		ITWBUILDEX
21	ALUMINUM RAIN STOP 0.135" THICK ✓		
22	1/2" X 1" BOLT, WASHER & LOCK NUT ✓		

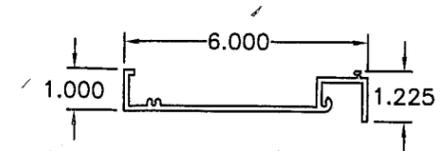
① SILL BOTTOM W/LIP
TYP. WALL THK. 0.125



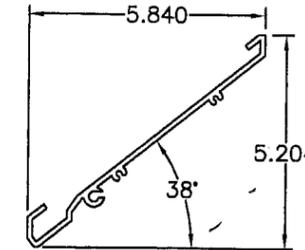
② HEAD/TOP
TYP. WALL THK. 0.125



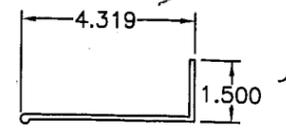
③ TYP. JAMB WALL
THK. 0.125



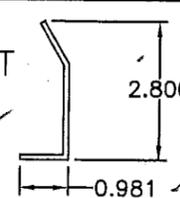
④ BLADE
TYP. WALL
THK. 0.125



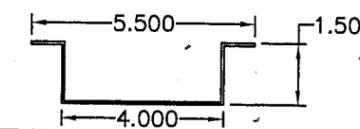
⑤ BLADE SUPPORT
TYP. WALL
THK. 0.125



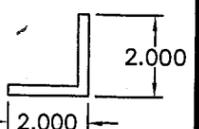
⑥ VERTICAL
BLADE SUPPORT
TYP. WALL
THK. 0.101



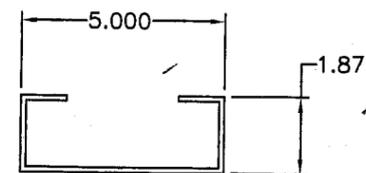
⑩ ALUMINUM HAT CHANNEL
TYP. WALL THK. 0.081



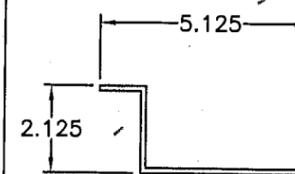
⑧ 2" X 2" X
1/4" ANGLE
TYP. WALL
THK. 0.250



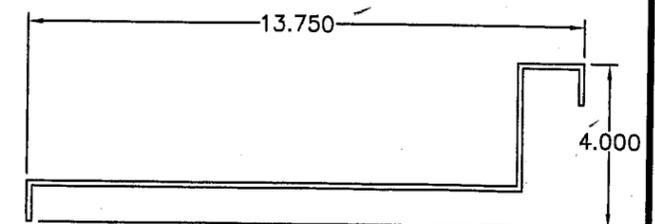
⑫ FAN BRACKET C CHANNEL
TYP. WALL THICKNESS 0.125



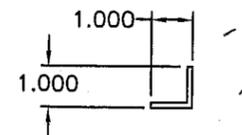
⑦ Z-BAR
TYP. WALL
THK. 0.101



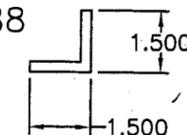
⑪ FAN SKIRT
TYP. WALL THICKNESS 0.125



⑬ 1" X 1" X 1/8" ANGLE
TYP. WALL THK. 0.125



⑮ 1-1/2" X 1-1/2"
X 3/16" ANGLE
TYP. WALL
THK. 0.188



Approved as complying with the
Florida Building Code
Date 03/17/05
NOAH 04-1207.01
Miami Dade Product Control
Division
By [Signature]

- 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.

[Signature]
2/11/05
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 SYSTEM BOM & UNIT COMPONENTS		
PREPARED BY:	PTC Product Technology Corporation	DRN:	BB
DATE:	10/19/04	SCALE:	NTS
REV. LETTER:		DWG. NO.:	LDR0004
PHONE:	407.622.6334	FAX:	407.622.6335
SHEET:	5 OF 5		

A	Per Dade County letter dated 01/11/05	01/31/05	DRL
SYM	REVISION	DATE	BY