



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

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 Penthouse Louver System.

APPROVAL DOCUMENT: Drawing No. **08-00627**, titled "DC-638 Penthouse Louver System", sheets 1 through 5 of 5, dated 10/06/08, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear the following permanent label:

Leader Industries, Inc.
 2500 Cruzen Street
 Nashville, TN 37211

and the statement: "Miami-Dade County Product Control Approved".

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 # 08-1126.04** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



[Handwritten Signature]
 02/25/10

NOA No. 10-0216.01
Expiration Date: March 17, 2015
Approval Date: March 17, 2010
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **08-00627**, titled "DC-638 Penthouse Louver System", sheets 1 through 5 of 5, dated 10/06/08, prepared by Leader Industries, Inc, signed and sealed by Luis R. Lomas, P.E. "**Submitted under NOA # 08-1126.04**"

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, P.E. "**Submitted under NOA # 05-1114.05**"
2. Clarification letter issued by Architectural Testing Inc, on 05/27/03, signed by J. A. Reed, P.E. "**Submitted under NOA # 05-1114.05**"
3. Test report # NCTL 210-3258-1 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 04/10/06, signed and sealed by Gerard J. Ferrara, P.E. "**Submitted under NOA # 07-0305.08**"

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, P.E. "**Submitted under NOA # 05-1114.05**"
2. Anchor calculations dated 10/13/08, prepared, signed and sealed by Luis R. Lomas, P.E. "**Submitted under NOA # 08-1126.04**"

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

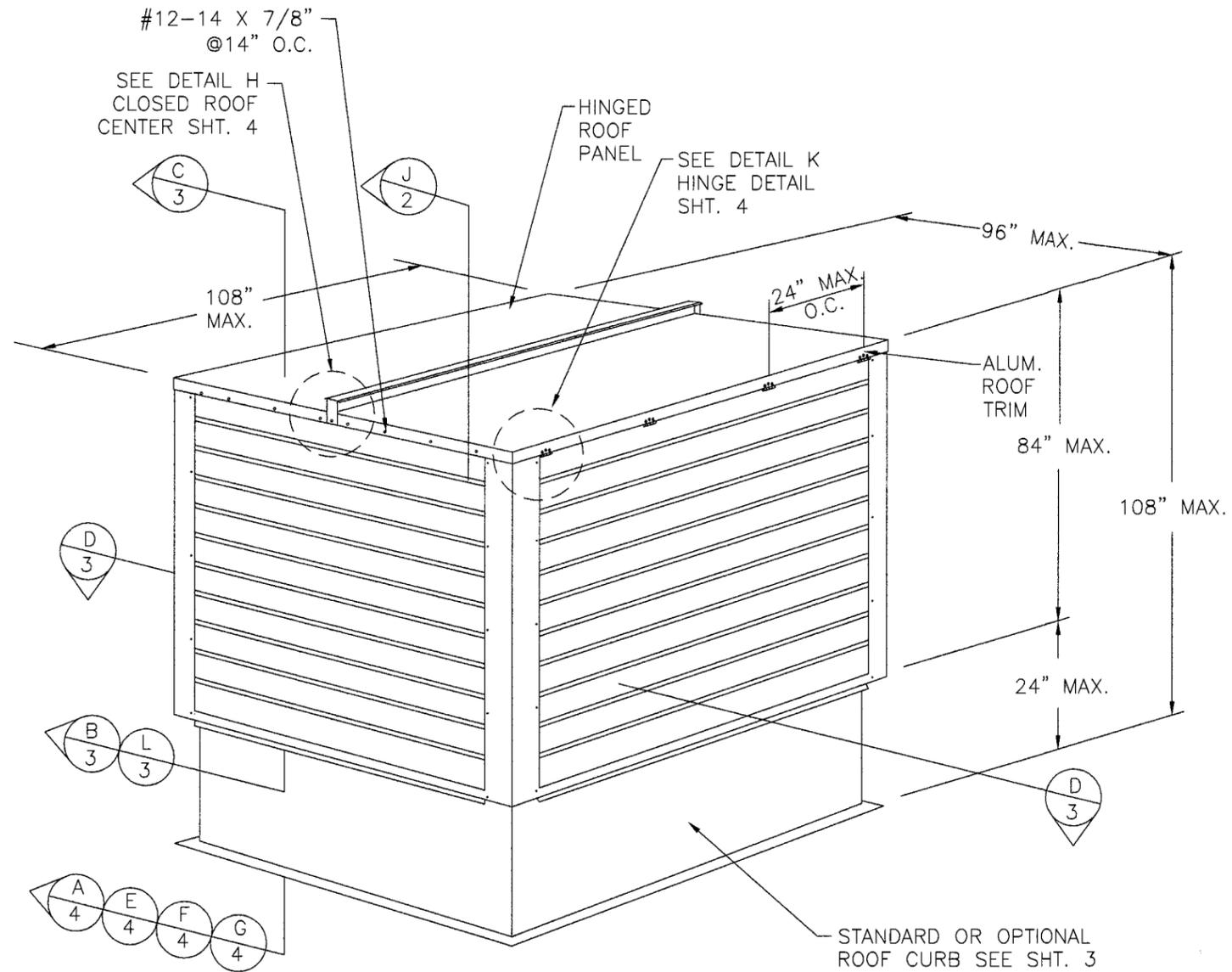
F. STATEMENTS

1. Code compliance and no financial interest letter issued by L. Roberto Lomas, P.E., dated 02/09/10, and signed by Luis R. Lomas, P.E.
2. Code compliance and no financial interest letter issued by L. Roberto Lomas, P.E., dated 10/15/08, and signed by Luis R. Lomas, P.E. "**Submitted under NOA # 08-1126.04**"



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0216.01
Expiration Date: March 17, 2015
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



EXTERIOR ELEVATION

DESIGN PRESSURE RATING	IMPACT RATING
±100PSF	LARGE AND SMALL MISSILE IMPACT

GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 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.
- 8) 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.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 10-0216.01
 Expiration Date 03/17/2015
 By *[Signature]*
 Miami Dade Product Control
 Division

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SHEET NO.	DESCRIPTION
1	ELEVATION AND GENERAL NOTES
2	FABRICATION SECTION & ANCHORING LAYOUT
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5	BILL OF MATERIALS & COMPONENTS

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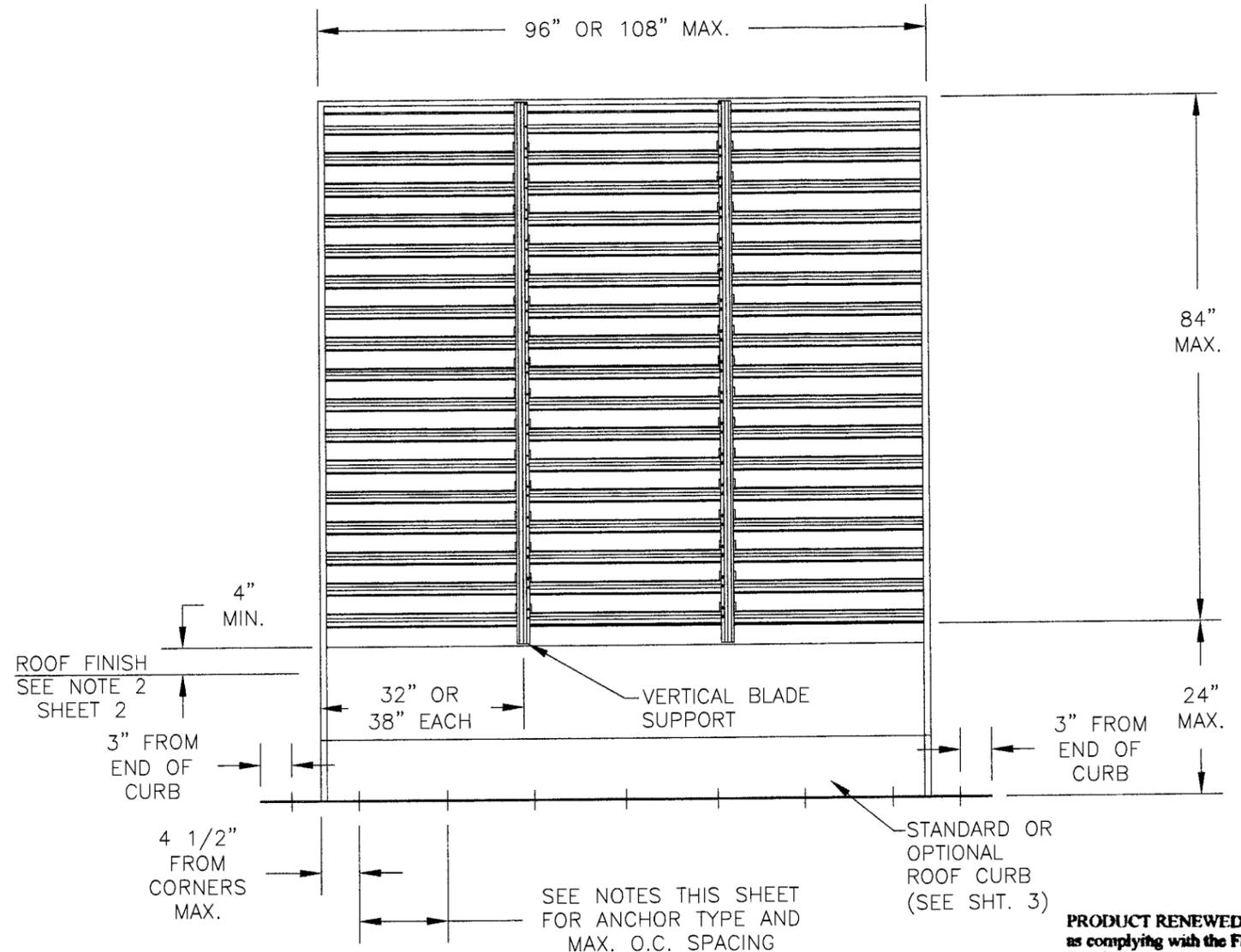
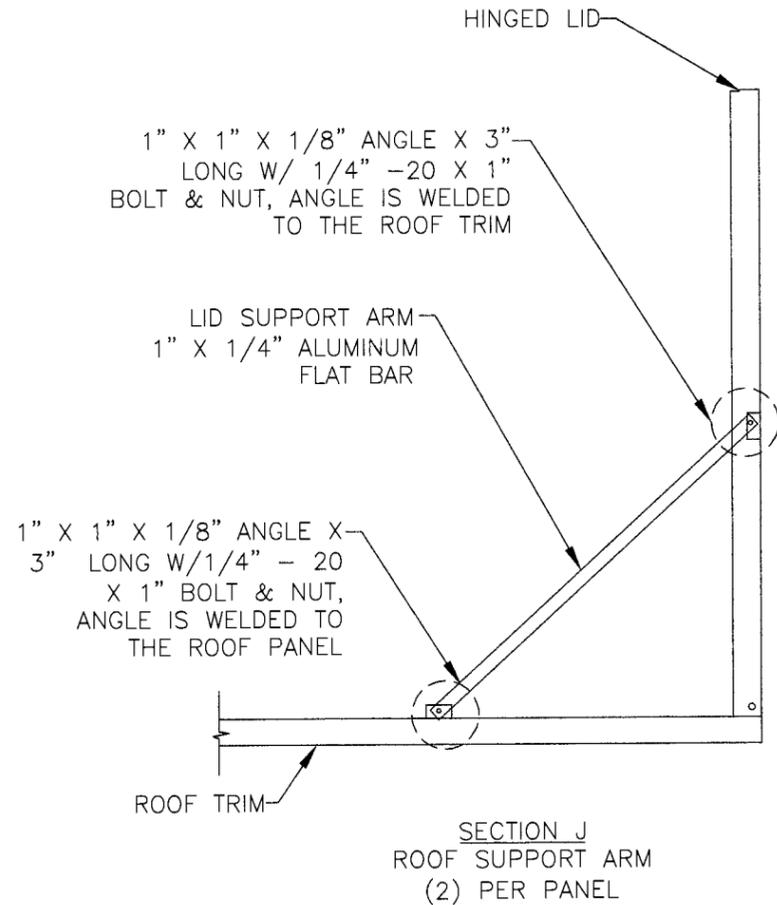
LEADER INDUSTRIES, INC.
 2509 CRUZEN STREET
 NASHVILLE, TN 37211

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

DRAWN: TJH	DWG NO. 08-00627	REV -
SCALE NTS	DATE 10/6/08	SHEET 1 OF 5

[Signature]
 10/31/08
 Luis R. Lomas P.E.
 Florida No. 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



ANCHORING NOTES:

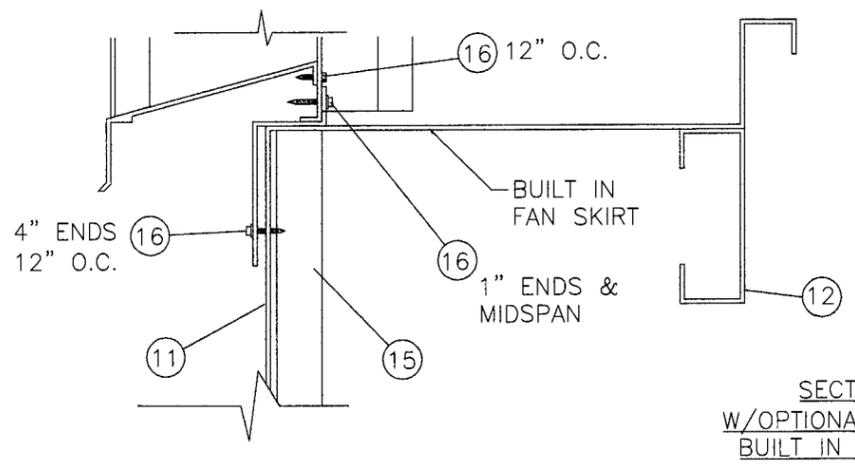
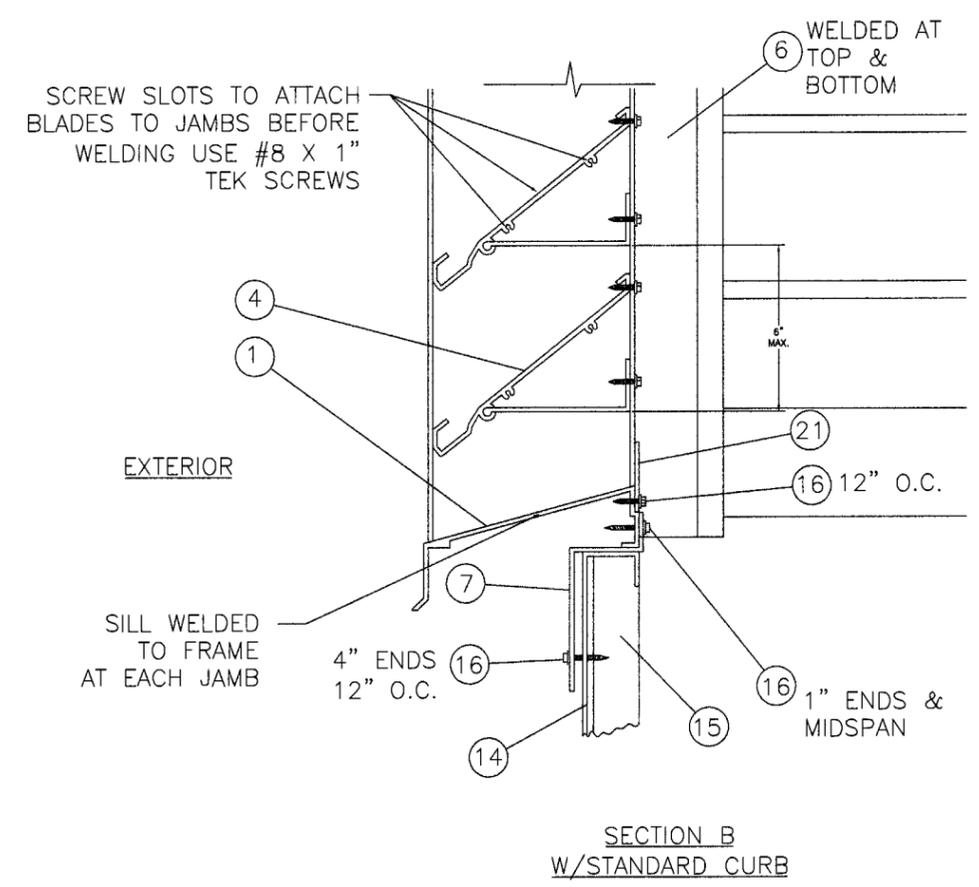
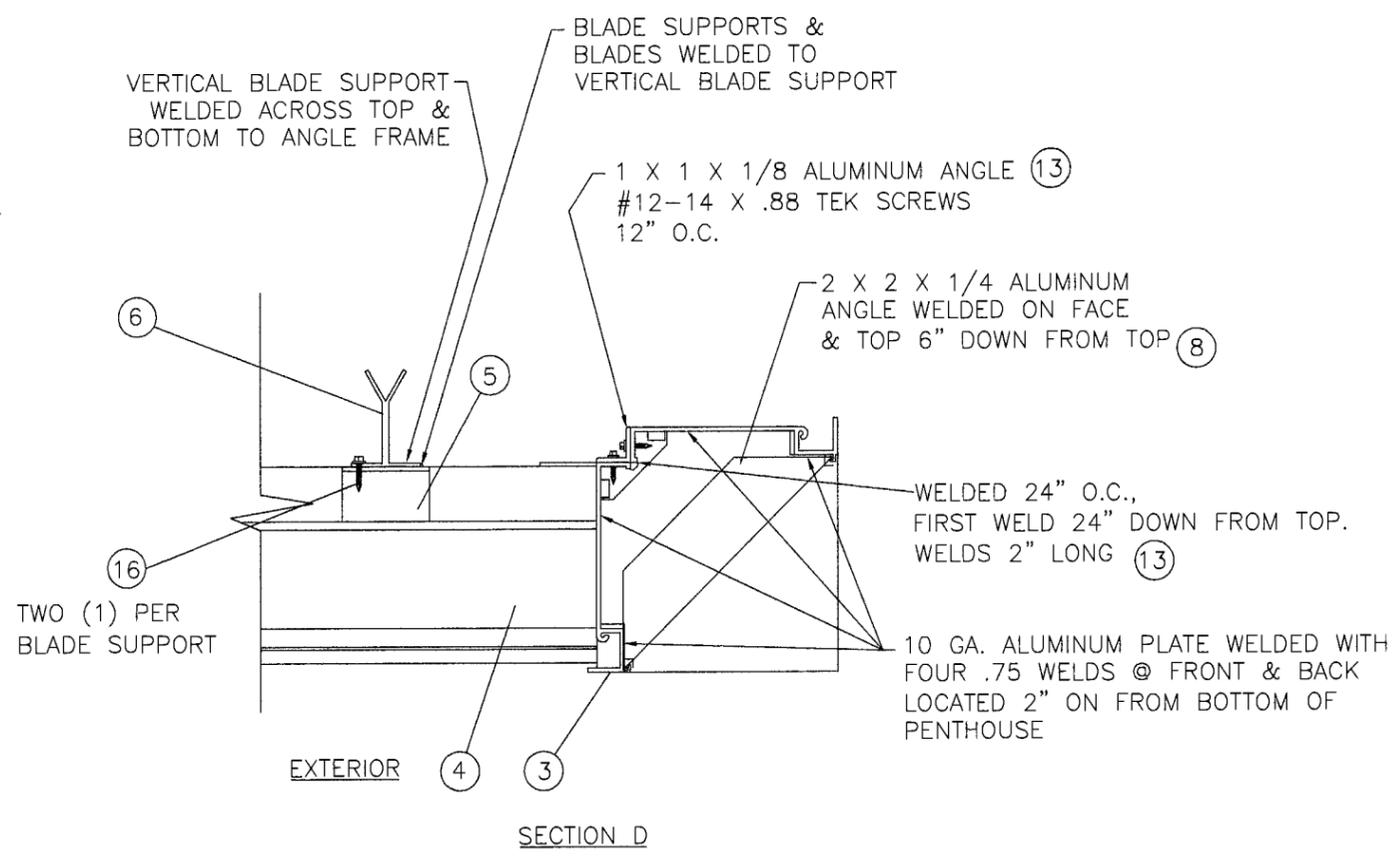
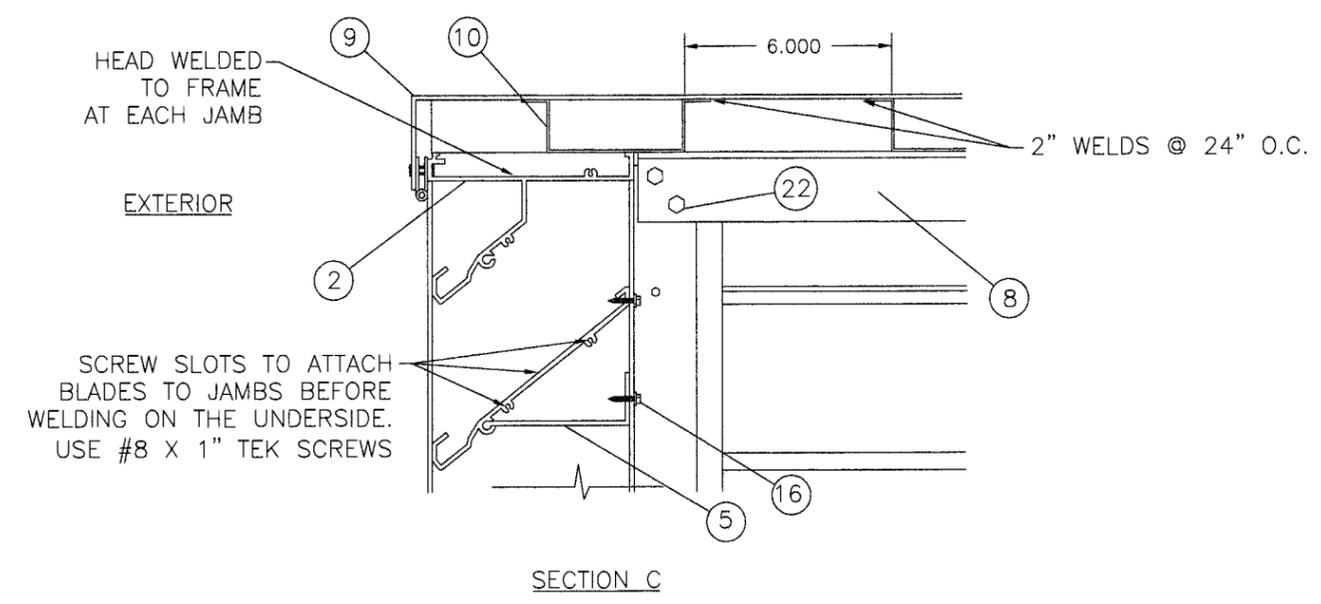
- 1) SUBSTRATES, ANCHOR TYPES & SPACING ARE AS FOLLOWS:
 - A) CONCRETE DECKING USE 3/8" DIA. HILTI KWIK BOLT 3 OF SUFFICIENT LENGTH TO ACHIEVE MIN. OF 3 1/2" EMBEDMENT INTO CONCRETE AND 3 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 20" O.C. MAX. THEREAFTER.
 - B) WOOD FRAME DECKING, USE 7/16" DIA. LAG SCREW OF SUFFICIENT LENGTH TO ACHIEVE 3 1/2" MIN. EMBEDMENT INTO WOOD DECKING. LOCATE LAG SCREWS 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 20" O.C. MAX. THEREAFTER.
 - C) STEEL GIRDER OR PURLIN WITH METAL DECKING, USE #14-3 POINT ITWBUILDDEX MAXISEAL SCREW SPACED 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 14 1/2" O.C. MAX. THEREAFTER.
 - D) STEEL GIRDER OR PURLIN WITH METAL DECKING, USING 1/8" x 3/4" FILLET WELD SPACED 3" FROM END OF CURB, 4 1/2" MAX. FROM CORNERS OF LOUVER & 20" O.C. MAX. THEREAFTER.
- 2) ALL ROOFING DETAILS SHALL COMPLY WITH CHAPTER 15 OF THE FLORIDA BUILDING CODE.
- 3) ALL ANCHORS/FASTENERS TO BE CORROSION RESISTANT.
- 4) 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=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER)

DC-638-1 & 2 PENTHOUSE LOUVER SYSTEM

PRODUCT RENEWED
 as complying with the Florida
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 Acceptance No. 10-0216.01
 Expiration Date 03/17/2015
 By *[Signature]*
 Miami/Dade Product Control
 Division

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 08-1126.04 Expiration Date 03/17/2015 By <i>[Signature]</i> Miami/Dade Product Control Division	LEADER INDUSTRIES, INC. 2509 CRUZEN STREET NASHVILLE, TN 37211		<i>[Signature]</i> 10/31/08 Luis R. Lomas P.E. Florida No. 62514
	DC-638 PENTHOUSE LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT FABRICATION SECTION & ANCHORING LAYOUT		
	DRAWN: TJH	DWG NO. 08-00627	
SCALE NTS	DATE 10/6/08	SHEET 2 OF 5	

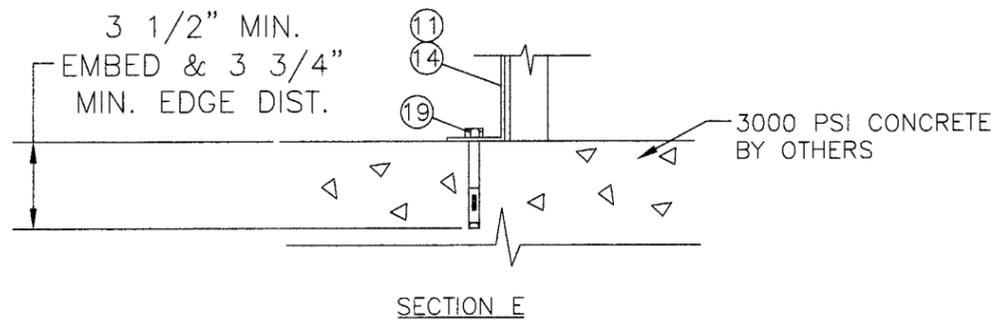
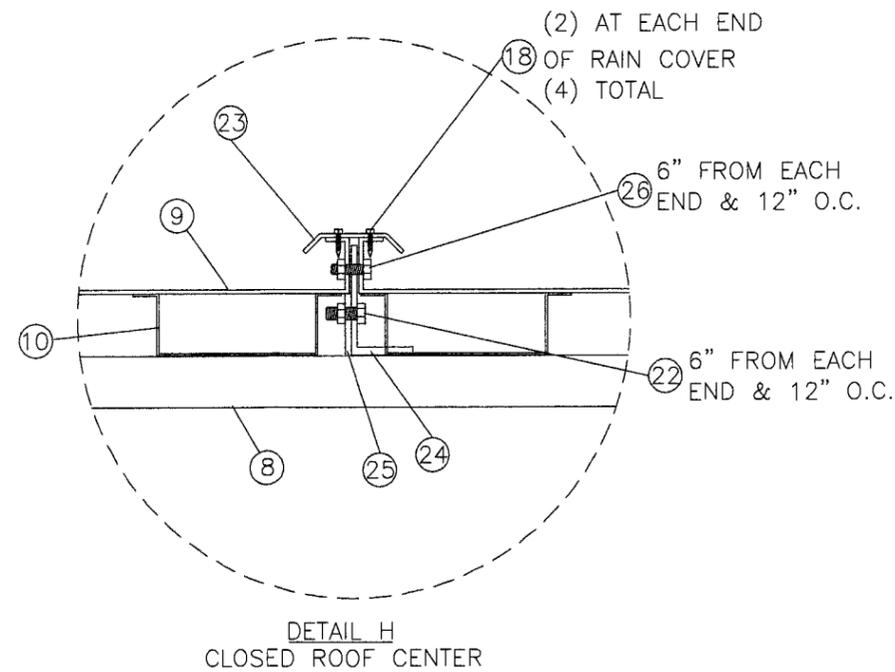
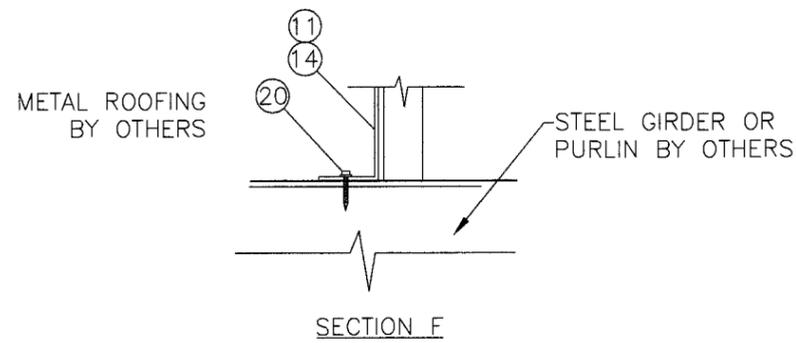
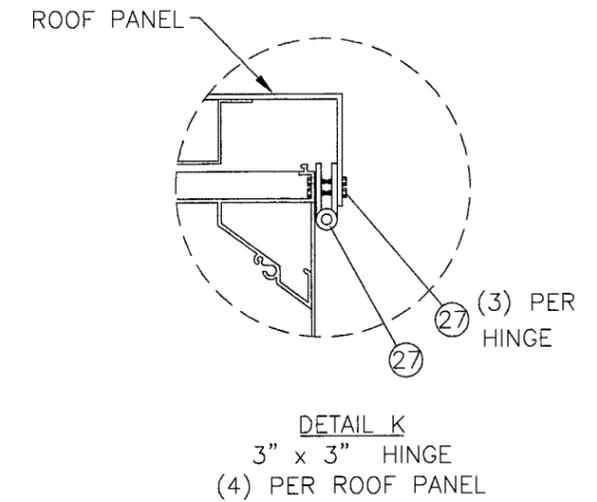
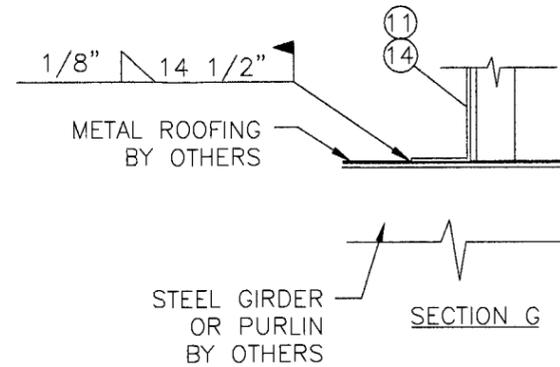
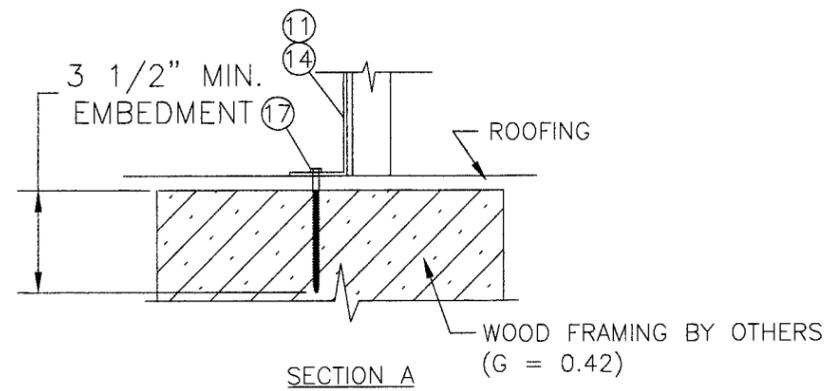
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	DC-638 PENTHOUSE LOUVER SYSTEM LARGE AND SMALL MISSILE IMPACT FABRICATION SECTIONS		
	DRAWN: TJH	DWG NO. 08-00627	
SCALE NTS	DATE 10/6/08	SHEET 3 OF 5	

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LEADER INDUSTRIES, INC.
 2509 CRUZEN STREET
 NASHVILLE, TN 37211
 DC-638 PENTHOUSE LOUVER SYSTEM
 LARGE AND SMALL MISSILE IMPACT
 INSTALLATION & FABRICATION DETAILS

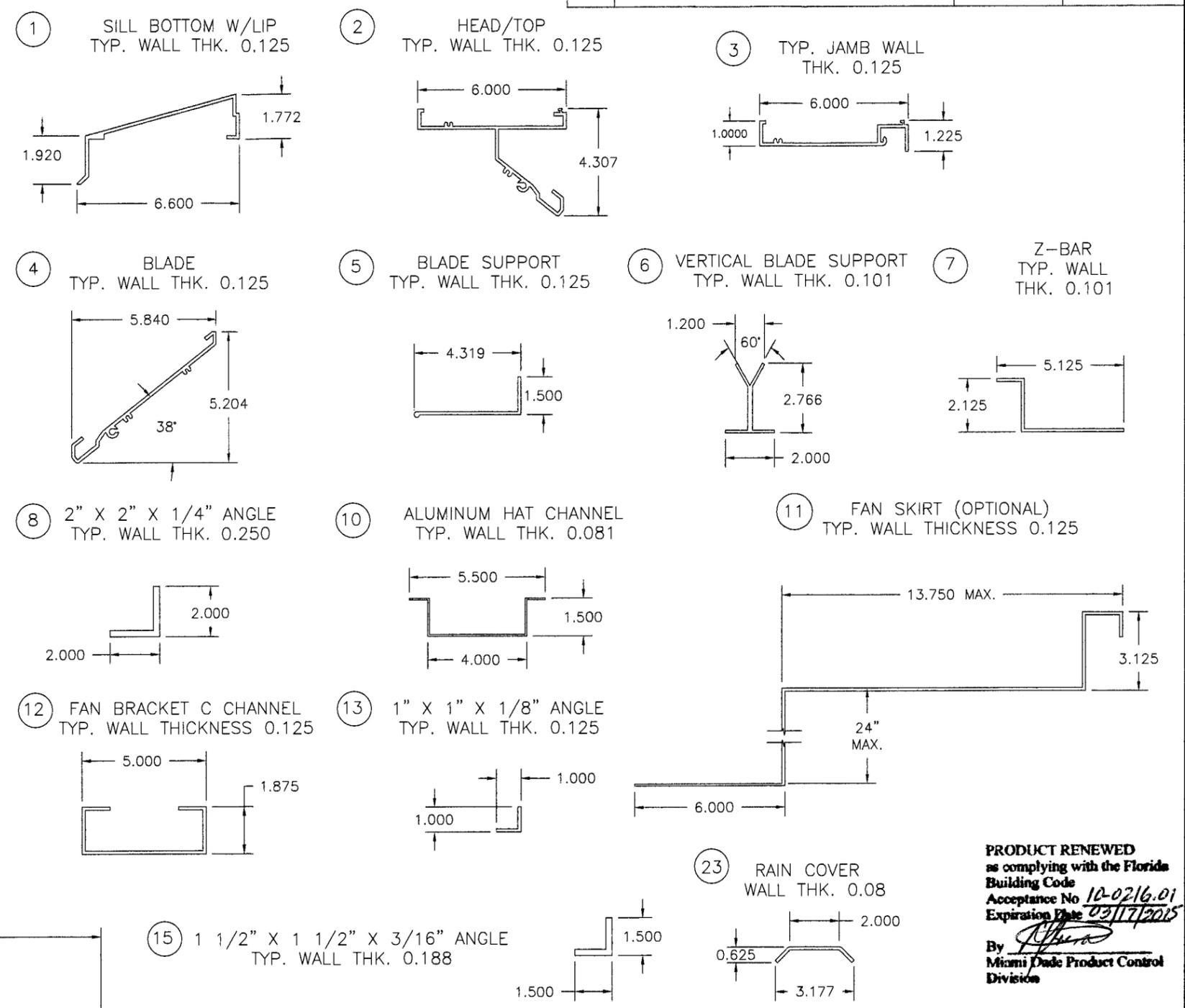
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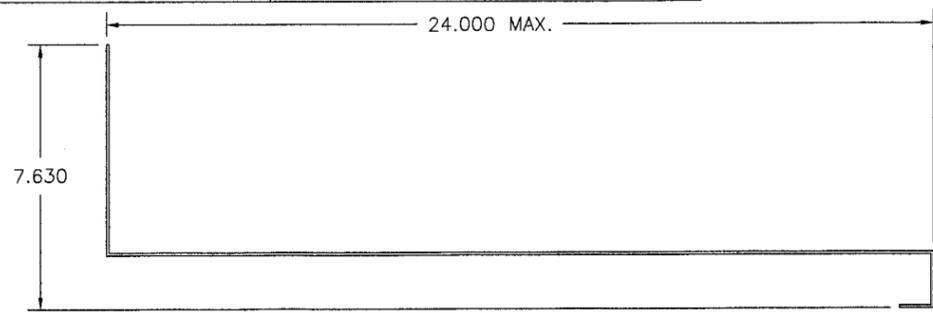
Luis R. Lomas P.E.
 Florida No. 62514

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	22855	SILL/BOTTOM W/LIP	BRT EXTRUSIONS	ALUM. 6063-T5
2	22943	HEAD/TOP	BRT EXTRUSIONS	ALUM. 6063-T5
3	22852	JAMB	BRT EXTRUSIONS	ALUM. 6063-T5
4	22851	BLADE	BRT EXTRUSIONS	ALUM. 6063-T5
5	22854	BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
6		VERTICAL BLADE SUPPORT	BRT EXTRUSIONS	ALUM. 6063-T5
7		Z-BAR 10ga.	LEADER	GALVANIZED STEEL
8		2" x 2" x 1/4" ANGLE	LEADER	ALUM. 6063-T5
9		ROOF FORMED 12ga.	LEADER	ALUM. 3003-H14
10		HAT CHANNEL .081" THK.	LEADER	ALUM. 6063-T5
11		FAN SKIRT 14ga. (OPTIONAL)	LEADER	GALVANIZED STEEL
12		FAN BRACKET SUPPORT 14ga. OR .125" THK. (OPTIONAL)	LEADER	GALVANIZED STEEL
13		1" x 1" x 1/8" ANGLE	LEADER	ALUM. 6063-T5
14		ROOF CURB 14ga. 24" MAX HEIGHT	LEADER	GALVANIZED STEEL
15		1 1/2" x 1 1/2" x 3/16" ANGLE	LEADER	STEEL
16		#12-14 x 1 1/2" TEK SCREW		STEEL
17		7/16" LAG SCREW		STEEL
18		#8 x 1/2" TEK SCREW		STEEL
19		3/8" HILTI KWIK BOLT III	HILTI	STEEL
20		#14-3 POINT ITWBUILDDEX MAXISEAL	ITWBUILDDEX	STEEL
21		RAIN STOP .135" THK.	BRT EXTRUSIONS	ALUM. 6063-T5
22		1/2" x 1" BOLT, NUT & WASHER		STEEL
23		RAIN COVER	BRT EXTRUSIONS	ALUM. 3003-H4
24		2" x 3" 3/16" THK. ANGLE	LEADER	ALUM. 6063-T5
25		2" x 2" x 3/16" THK. ANGLE	LEADER	ALUM. 6063-T5
26		5/16-18 x 1" HH BOLT & NUT		STAINLESS STEEL
27		3" x 3" HINGE		STAINLESS STEEL
28		#10 x 1/2" TEK SCREW		STAINLESS STEEL

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14 STANDARD ROOF CURB
TYP. WALL THK. 14 GA.



THE 24" HIGH 14 GA. GALVANIZED ROOF CURB HAS WELDED CORNERS. 108" 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.

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2509 CRUZEN STREET
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DC-638 PENTHOUSE LOUVER SYSTEM
LARGE AND SMALL MISSILE IMPACT
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