



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)

Air Flow Company, Inc.
850 West Fullerton Ave.
Addison, IL 60101

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: Aluminum Stationary Louver.

APPROVAL DOCUMENT: Drawing No.AIRF0001, titled "Aluminum Stationary Louvers Large Missile Impact" dated 10/10/05 with last revision B dated 10/03/06, prepared by PTC Engineering, Inc., signed and sealed by Luis Roberto Lomas, 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 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 consists of this page 1, evidence page E-1 as well as approval document mentioned above.

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



NOA No: 05-1110.01
Expiration Date: May 24, 2012
Approval Date: May 24, 2007
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS.

1. Drawing prepared by PTC Engineering, Inc., titled "Aluminum Stationary Louver Large Missile Impact," Drawing No.AIRF0001 dated 10/10/05, with last revision B dated 10/03/06, signed and sealed by Luis Roberto Lomas, P.E.

B. TESTS.

1. Testing Application Standard (TAS) 201 (Large Missile Impact Test), TAS 202 Uniform Static Air Pressure and TAS 203 Cyclic Wind Pressure Loading, along with the mark-up drawings, prepared by Certified Testing Laboratories, Report No.CTLA-1371W, dated July 29, 2005, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS.

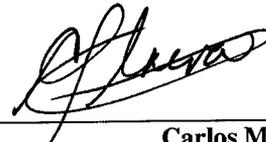
1. Anchor Calculations for single and triple Aluminum Stationary Louver, Series: EA-403 and EA-623, prepared by PTC Engineering, Inc., dated October 05, 2005, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE.

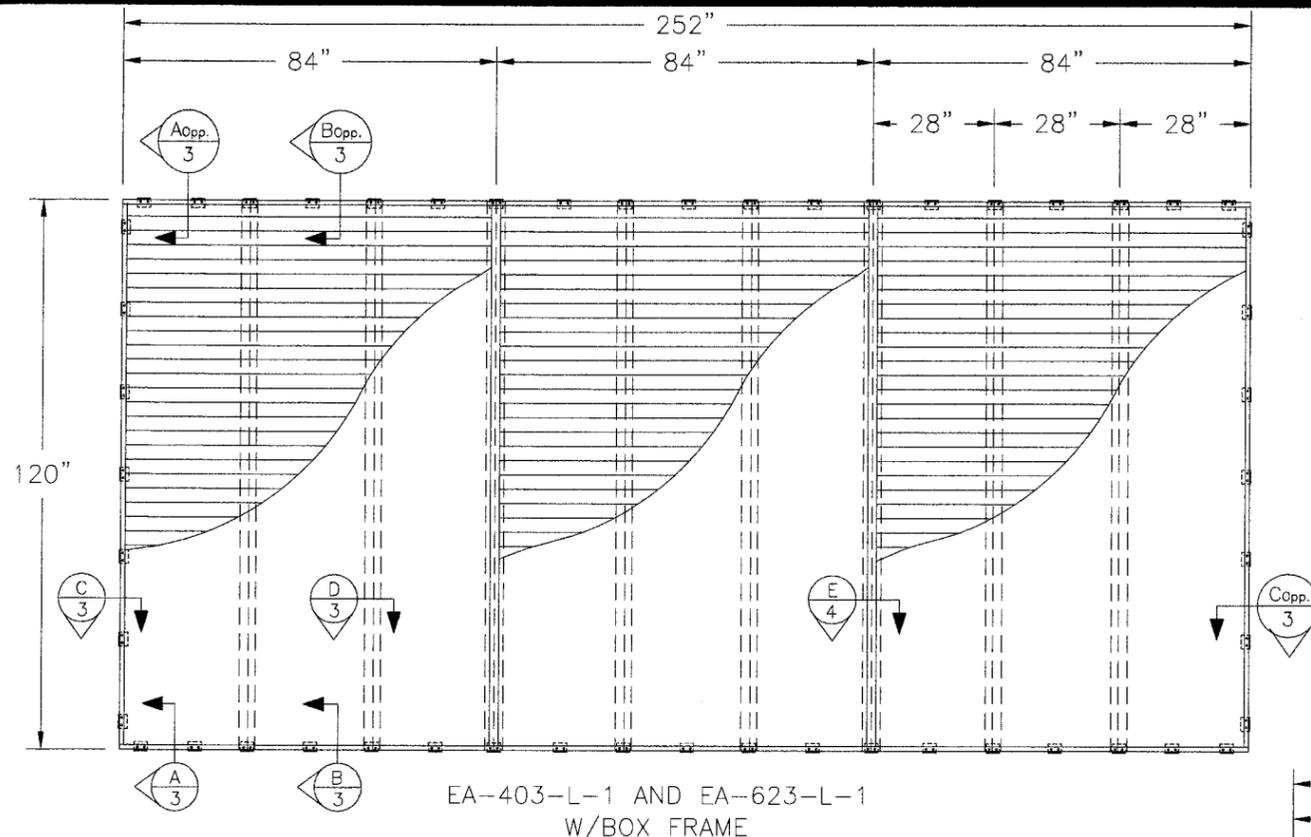
1. Building Code Compliance Office

E. STATEMENTS

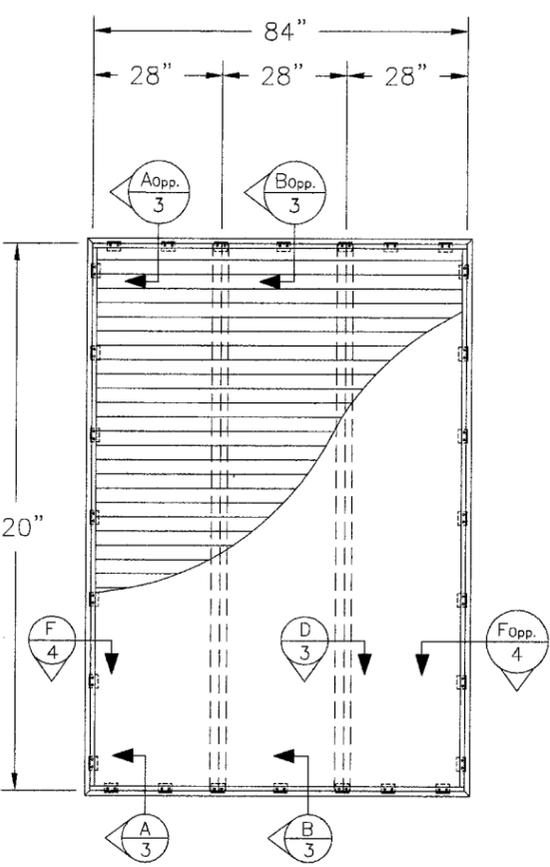
1. Code Compliance Letter issued by PTC Engineering, Inc., dated October 25, 2005, signed and sealed by Luis R. Lomas, P.E.
2. No Financial Interest Letter issued by PTC Engineering, Inc., dated October 25, 2005, signed and sealed by Luis R. Lomas, P.E.



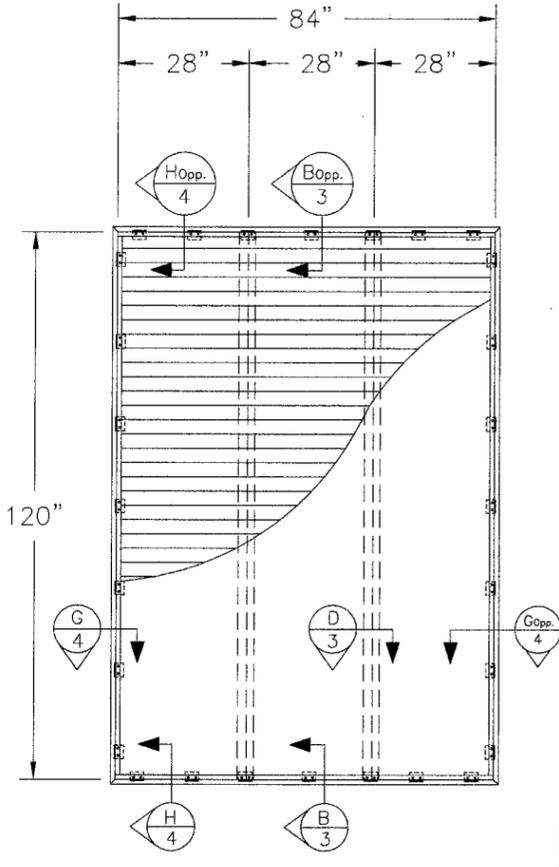
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 05-1110.01
Expiration Date: May 24, 2012
Approval: Date: May 24, 2007



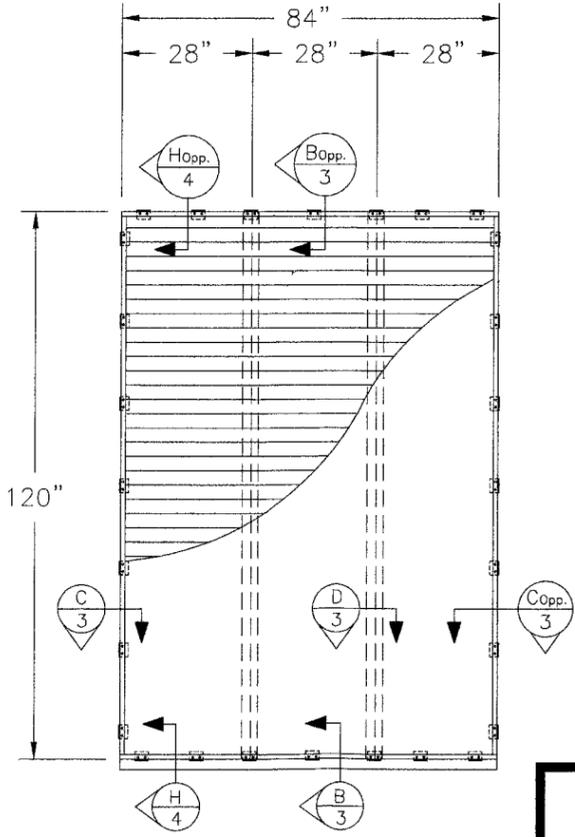
EA-403-L-1 AND EA-623-L-1
W/BOX FRAME



EA-403-L-3 AND EA-623-L-3
W/FLANGE ON JAMBS



EA-403-L-4 AND EA-623-L-4
W/FLANGE & SLEEVE ON JAMBS
& SILL EXTENSION



EA-403-L-2 AND EA-623-L-2
W/SILL EXTENSION

GENERAL NOTES:

- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE HVHZ OF THE 2004 FLORIDA BUILDING CODE.
- 2) WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED PROPERLY TO 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 IN CHART ON THIS SHEET.
- 5) FRAME CORNERS ARE MITERED, BUTTED AND WELDED.
- 6) CAULK THOROUGHLY ALL AROUND THE EXTERIOR PERIMETER OF LOUVERS WITH SAME COLOR AS THE LOUVERS, PROVIDE BACKER ROD BEFORE CAULKING.
- 7) PROVIDE BITUMINOUS MATERIAL TIN BETWEEN DISSIMILAR METALS TO AVOID CORROSION.
- 8) ALL EA-403 LOUVERS UTILIZE A 2" HIGH X 4" DEEP TOP FRAME MEMBER.
ALL EA-623 LOUVERS UTILIZE A 2" HIGH X 6" DEEP TOP FRAME MEMBER.
- 9) LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOFING EQUIPMENT, COMPONENTS OR SUPPLIES.

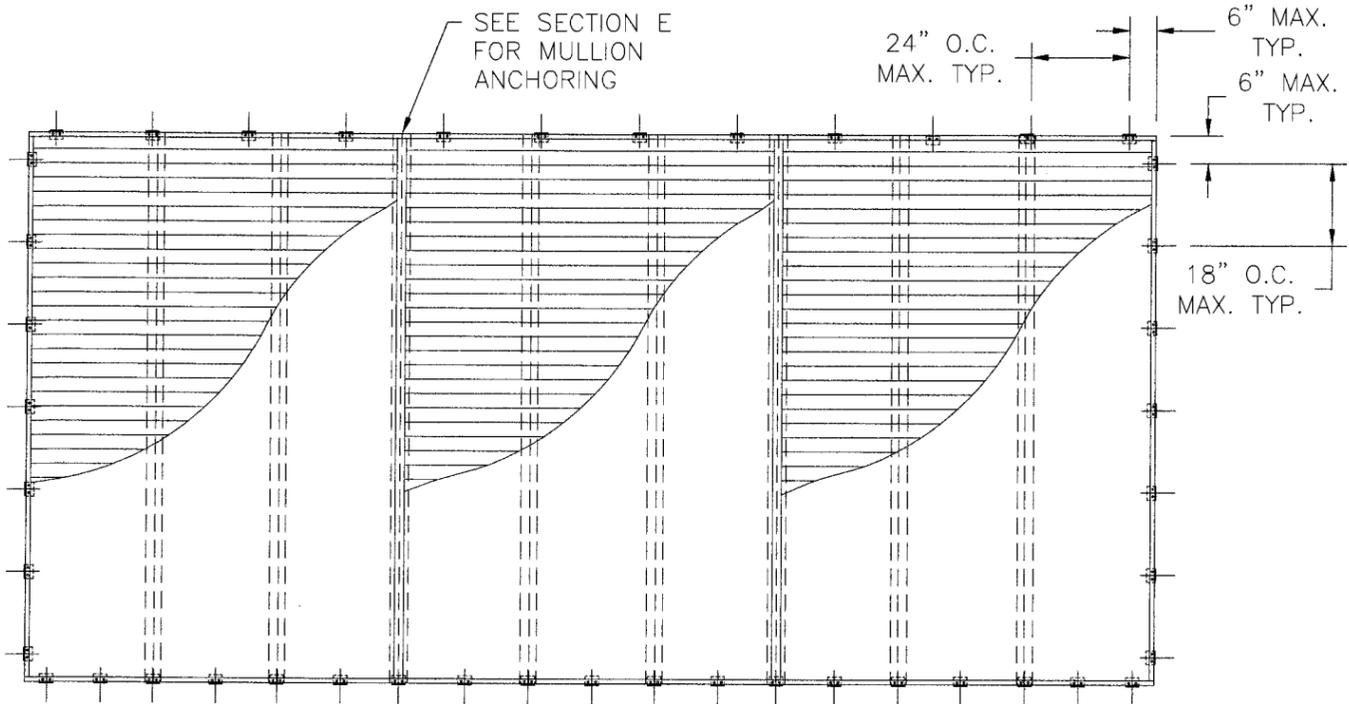
DESIGN PRESSURE CAPACITY
±120 PSF MAXIMUM

Approved as complying with the
Florida Building Code
Date: 05/24/2007
NOAH: 05-1110.01
Miami Dade Product Control
Division: *[Signature]*
By: *[Signature]*

L. Roberto Lomas
P.E. No. 62514
[Signature]
4/10/07
PTC Engineering, Inc.
2361 S.E. Seafury Lane
Port St. Lucie, Florida 34952
FBPE Certificate of Authorization NO. 25935

AIR FLOW COMPANY, INC.
850 W. FULLERTON AVE., ADDISON, IL. 60101
TITLE: ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT
ELEVATIONS AND GENERAL NOTES
PREPARED BY: **PTC**
PTC ENGINEERING, INC.
DRN: DRL DATE: 10/10/05
SCALE: N.T.S. DWG. NO: AIRF0001
REV: B SHEET: 1 OF 6
Phone 772.398.4639 Fax 772.398.4654

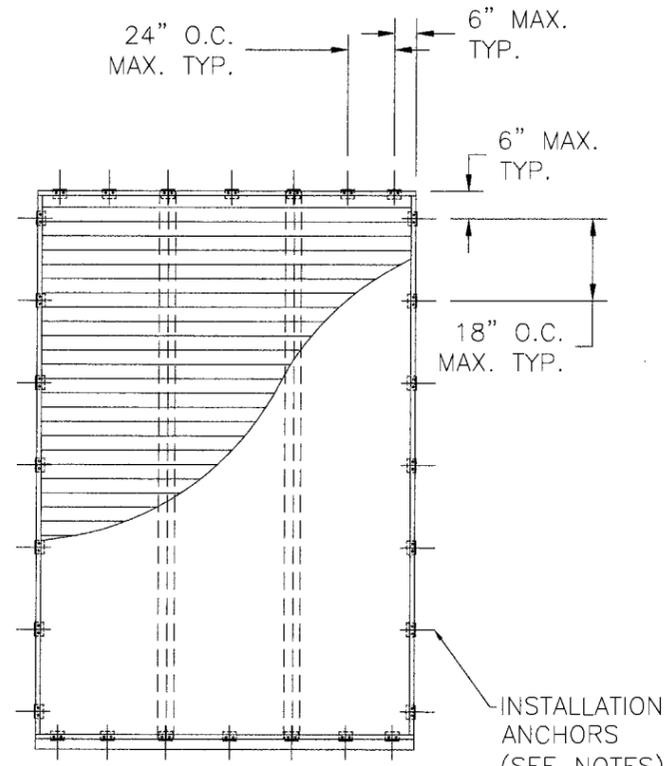
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B	PER 10/02/06 MIAMI-DADE MARK UPS	10/03/06	BB
A	Updated per Dade County letter dated 06/28/06	07/10/06	DRL



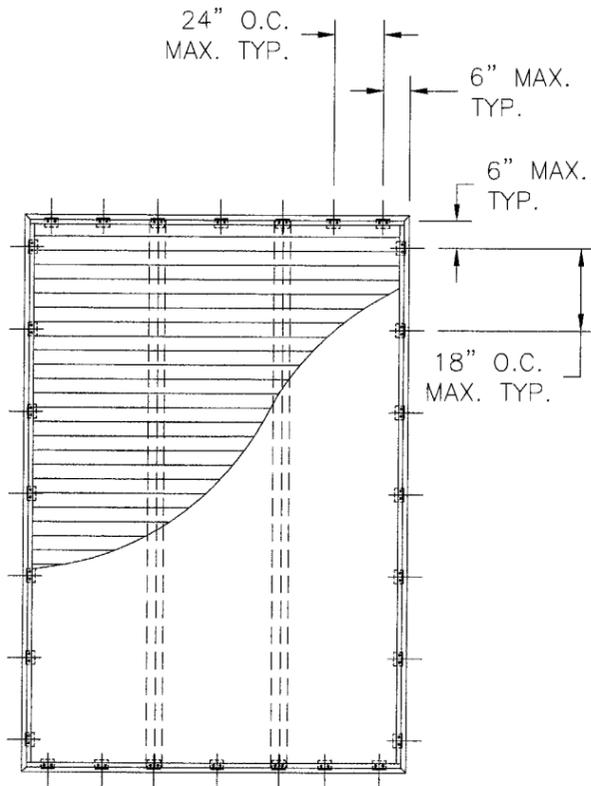
EA-403-L-1 & EA-623-L-1
W/BOX FRAME

ANCHORING NOTES:

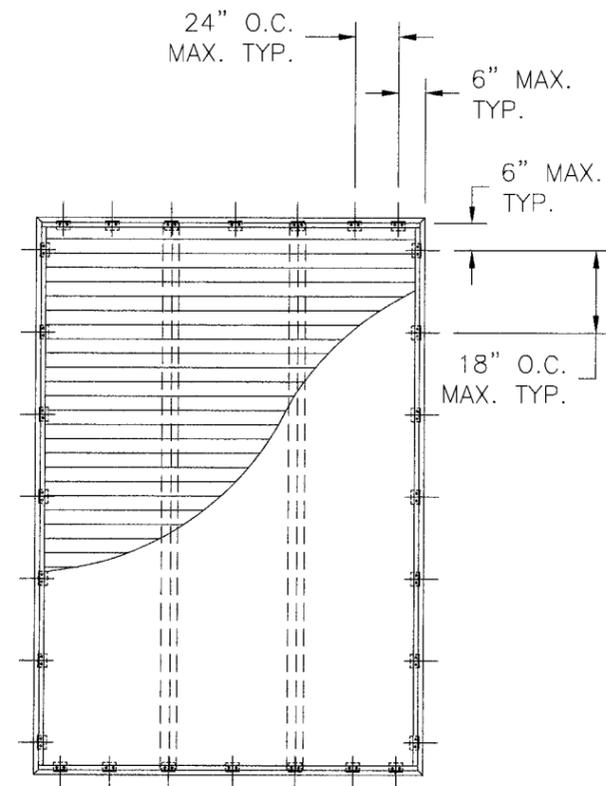
- 1) ONE (1) ANCHOR IS REQUIRED AT EACH LOCATION SHOWN. SHIM AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) FOR 2000 PSI MINIMUM CONCRETE SUBSTRATES USE 3/8" DIAMETER POWER-BOLT, WITH A 2" MINIMUM EMBEDMENT. AT HEAD AND SILL LOCATE ANCHORS 6" FROM EACH CORNER AND 24" MAXIMUM ON CENTER THEREAFTER. AT JAMBS LOCATE ANCHORS 6" FROM EACH CORNER AND 18" MAXIMUM ON CENTER THEREAFTER. AT MULLION AREA LOCATE ANCHORS FROM MOUNTING ANGLES.
- 3) FOR WOOD FRAMING SUBSTRATES USE 3/8" DIAMETER LAG BOLT, WITH A 3" MINIMUM EMBEDMENT. AT HEAD AND SILL LOCATE ANCHORS 6" FROM EACH CORNER AND 24" MAXIMUM ON CENTER THEREAFTER. AT JAMBS LOCATE ANCHORS 6" FROM EACH CORNER AND 18" MAXIMUM ON CENTER THEREAFTER. AT MULLION AREA USE 1/2" DIAMETER LAG BOLT, WITH A 4" MINIMUM EMBEDMENT; LOCATE ANCHORS FROM MOUNTING ANGLES.



EA-403-L-2 & EA-623-L-2
W/SILL EXTENSION



EA-403-L-3 & EA-623-L-3
W/FLANGE ON JAMBS



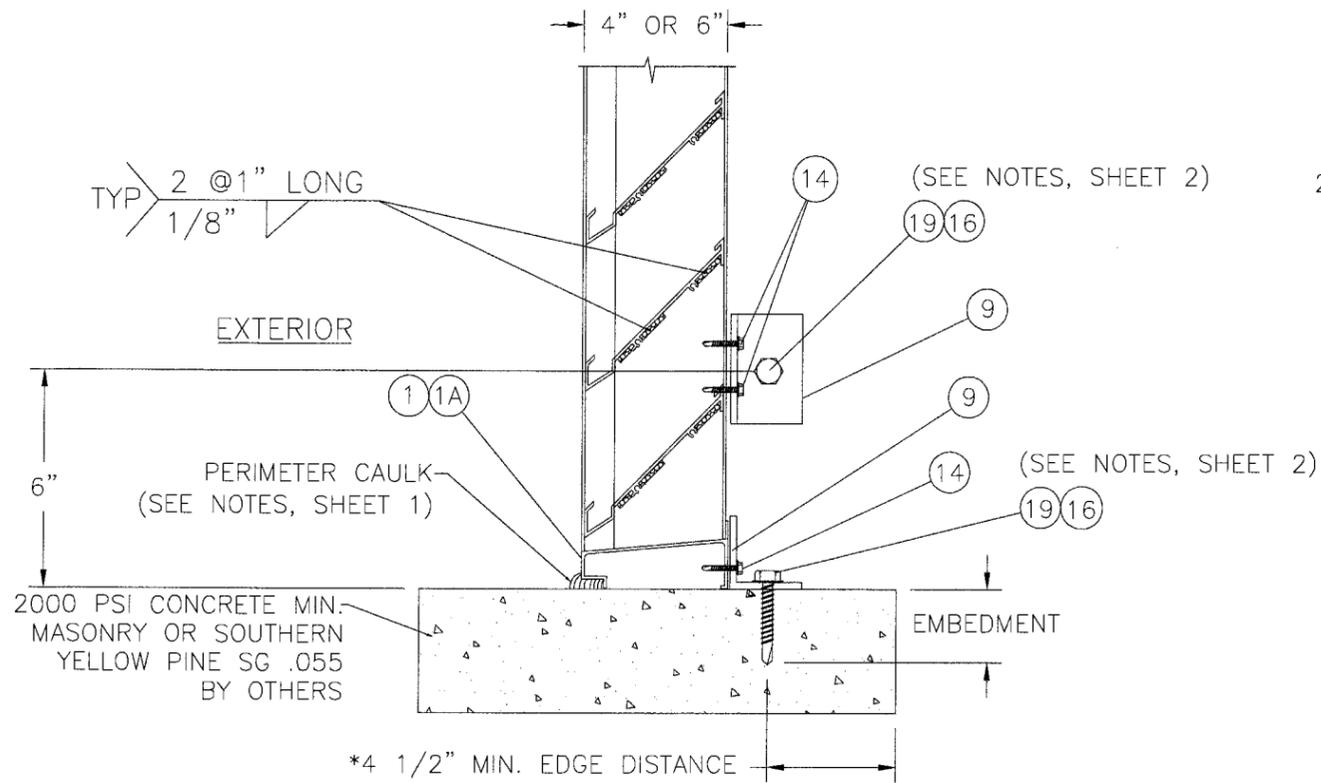
EA-403-L-4 & EA-623-L-4
W/FLANGE & SLEEVE ON JAMBS
& SILL EXTENSION

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Florida Building Code
Date 05/24/2007
NOA# 05-1110.01
Miami Dade Product Control
Division
By [Signature]

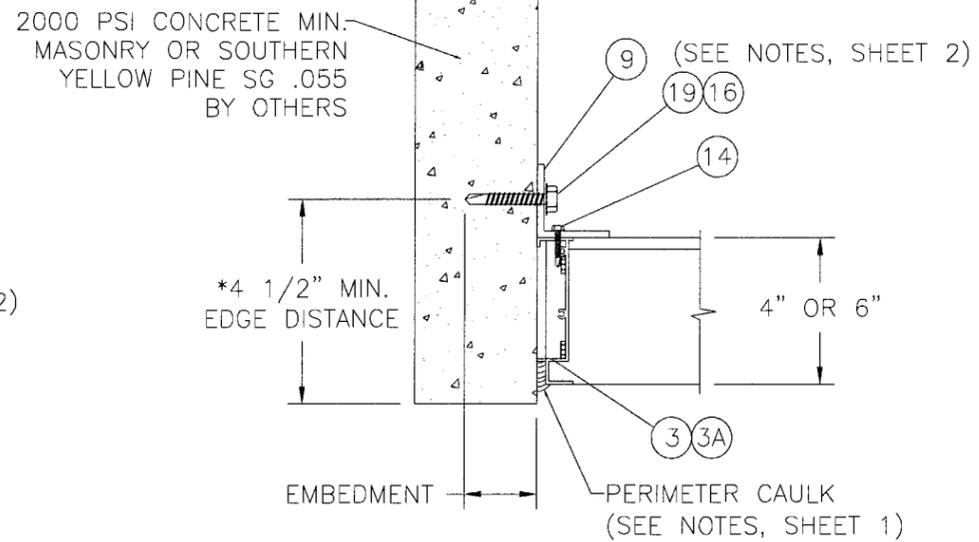
L. Roberto Lomas
P.E. No. 62514
[Signature]
4/10/07
PTC Engineering, Inc.
2361 S.E. Seafury Lane
Port St. Lucie, Florida 34952
FBPE Certificate of Authorization NO. 25935

AIR FLOW COMPANY, INC.
850 W. FULLERTON AVE., ADDISON, IL. 60101
TITLE: ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT
ANCHORING DETAILS AND NOTES
PREPARED BY: **PTC**
PTC ENGINEERING, INC.
DRN: DRL DATE: 10/10/05
SCALE: N.T.S. DWG. NO: AIRF0001
REV: B SHEET: 2 OF 6
Phone 772.398.4639 Fax 772.398.4654

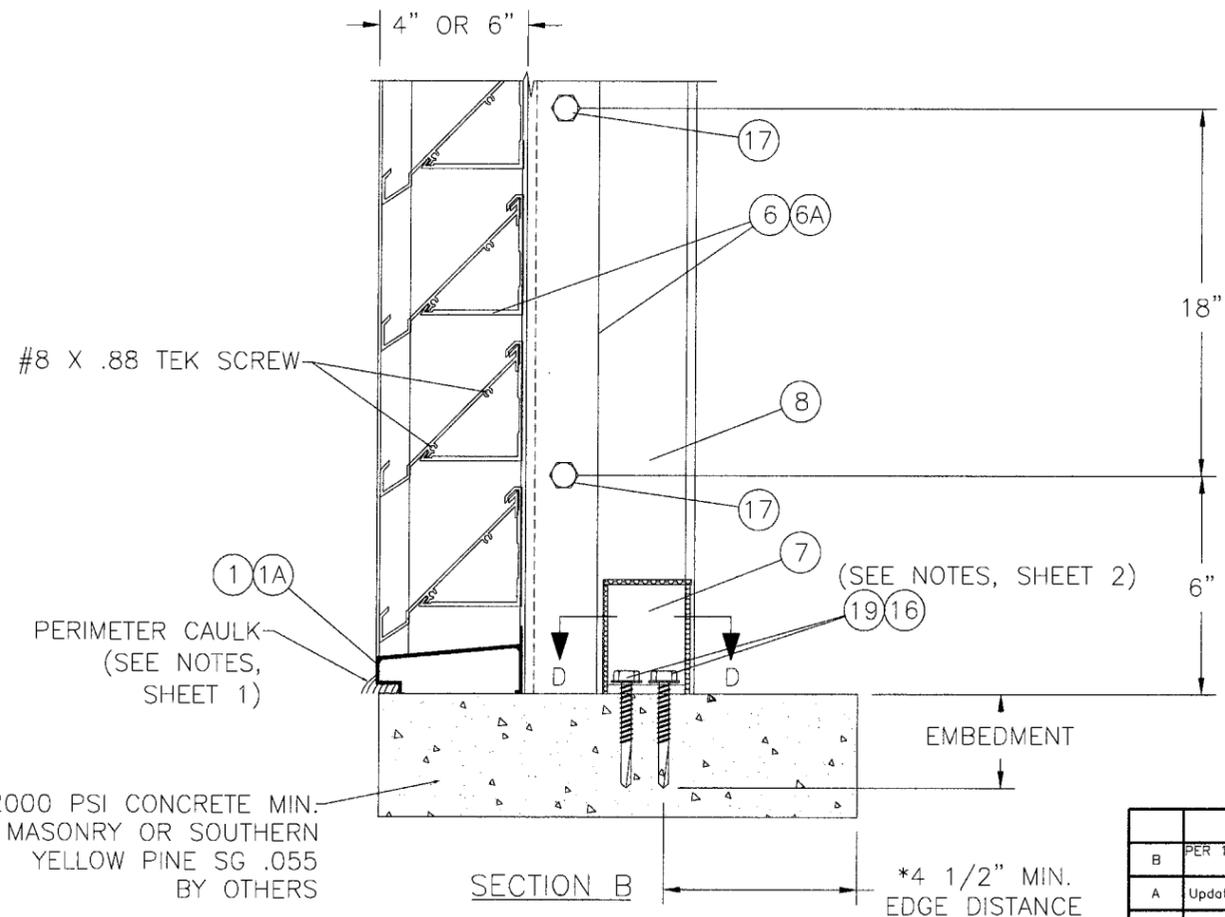
SYM	REVISION	DATE	BY
B	PER 10/02/06 MIAMI-DADE MARK UPS	10/03/06	BB
A	Updated per Dade County letter dated 06/28/06	07/10/06	DRL



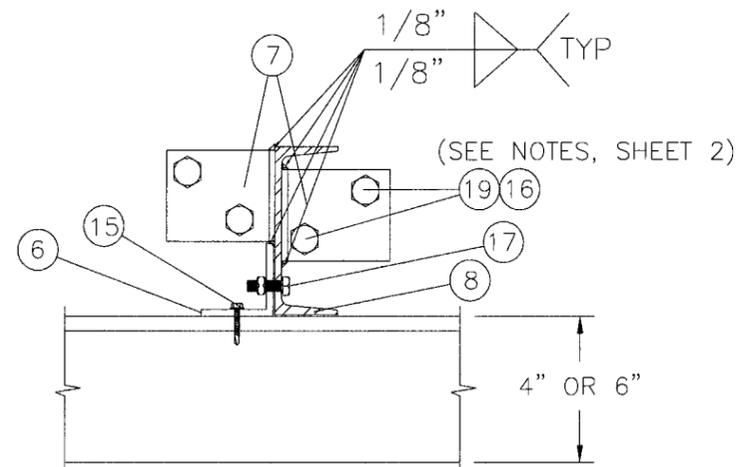
SECTION A



SECTION C



SECTION B



SECTION D AND SECTION D-D

* MINIMUM EDGE DISTANCE FOR 3/8" LAG SCREW IS 2 INCHES.

Approved as complying with the Florida Building Code
 Date 05/24/2007
 NOA# 05-1110.01
 Miami Dade Product Control Division
 By *[Signature]*

2000 PSI CONCRETE MIN. MASONRY OR SOUTHERN YELLOW PINE SG .055 BY OTHERS

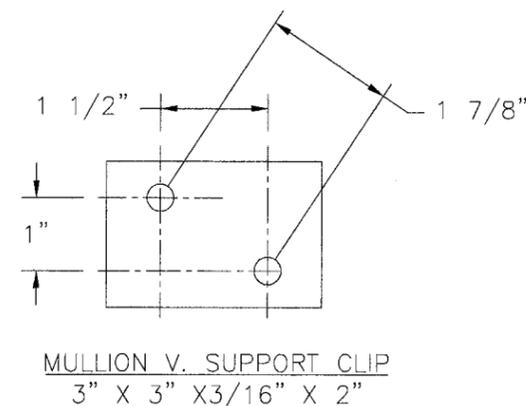
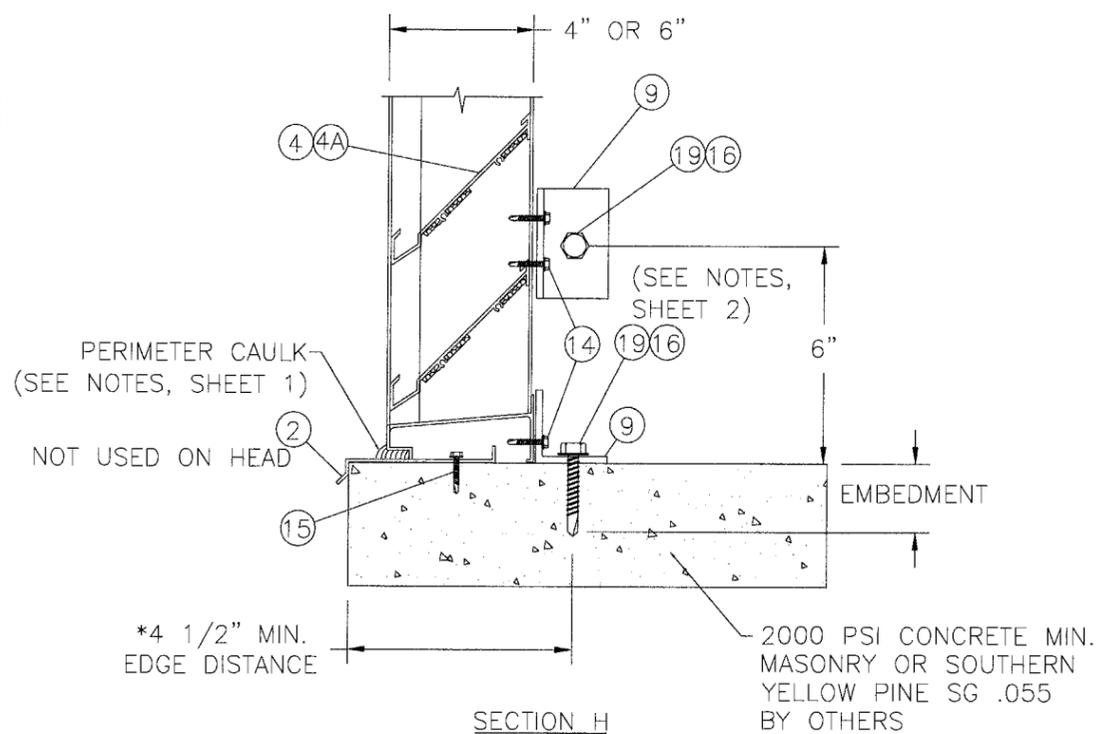
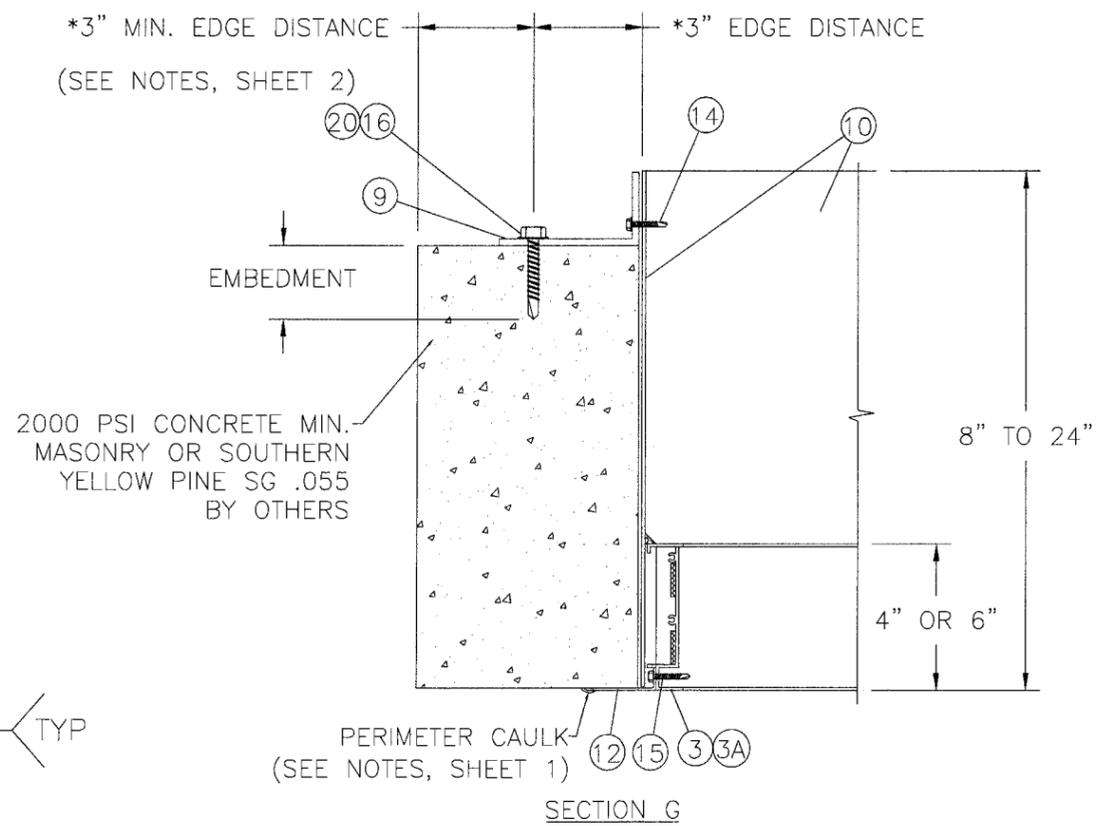
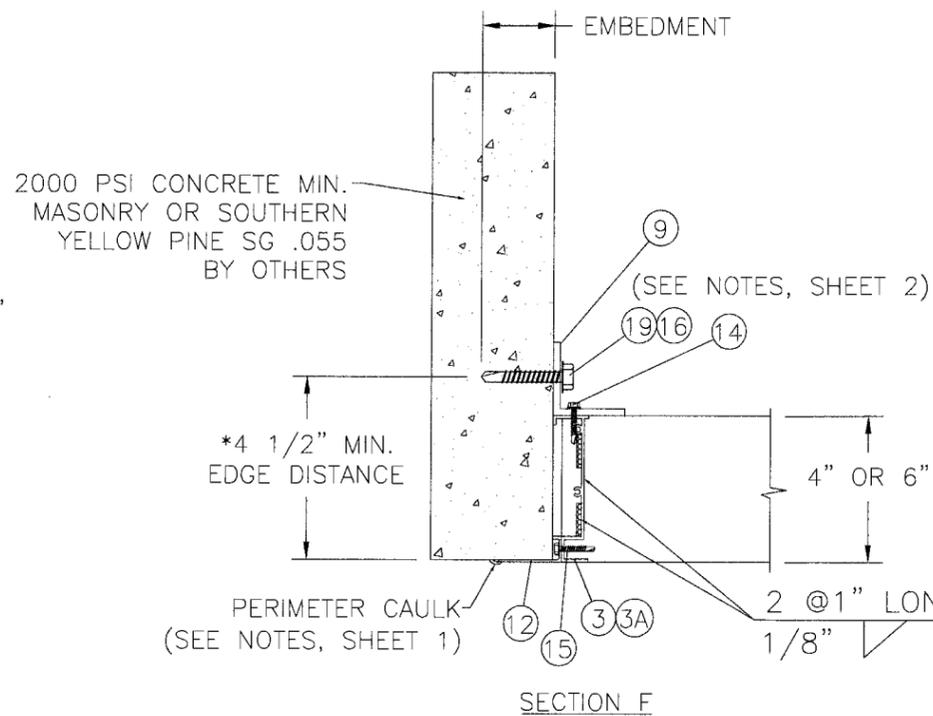
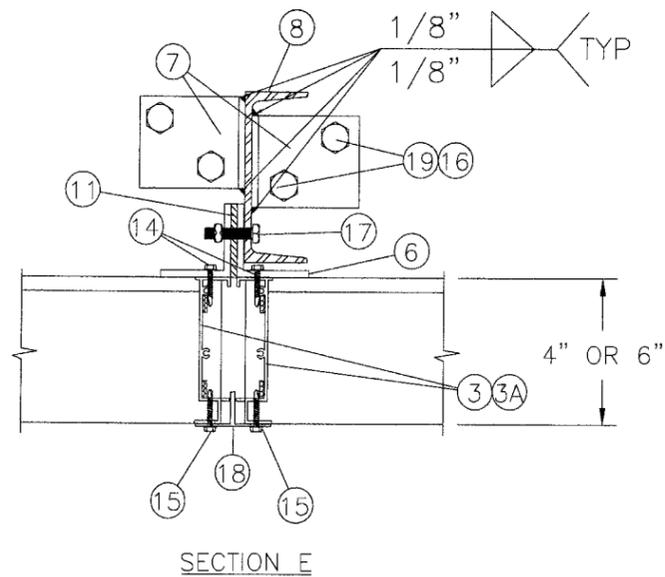
SYM	REVISION	DATE	BY
B	PER 10/02/06 MIAMI-DADE MARK UPS	10/03/06	BB
A	Updated per Dade County letter dated 06/28/06	07/10/06	DRL

L. Roberto Lomas
 P.E. No. 62514
[Signature]
 4/10/07
 PTC Engineering, Inc.
 2361 S.E. Seafury Lane
 Port St. Lucie, Florida 34952
 FBPE Certificate of Authorization NO. 25935

AIR FLOW COMPANY, INC.
 850 W. FULLERTON AVE., ADDISON, IL. 60101
 TITLE: ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT INSTALLATION DETAILS MASONRY

PREPARED BY: PTC PTC ENGINEERING, INC.	DRN: DRL	DATE: 10/10/05
SCALE: N.T.S.	DWG. NO: AIRF0001	
REV: B	SHEET: 3 OF 6	

Phone 772.398.4639 Fax 772.398.4654



* MINIMUM EDGE DISTANCE FOR 3/8" LAG SCREW IS 2 INCHES.

Approved as complying with the Florida Building Code
 Date: 05/24/2007
 NOA#: 05-1110.01
 Miami Dade Product Control
 Division: *[Signature]*

SYM	REVISION	DATE	BY
B	PER 10/02/06 MIAMI-DADE MARK UPS	10/03/06	BB
A	Updated per Dade County letter dated 06/28/06	07/10/06	DRL

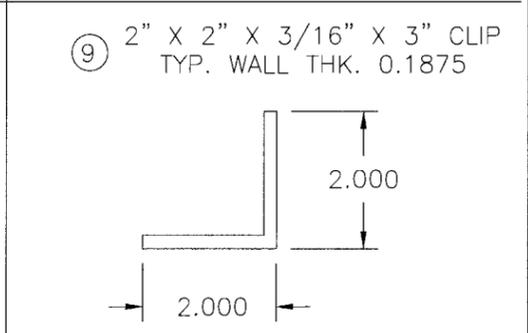
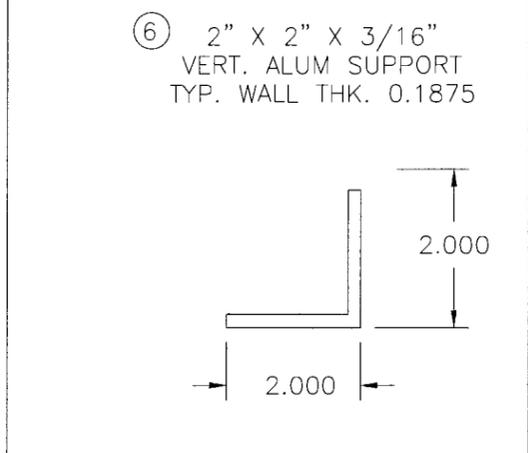
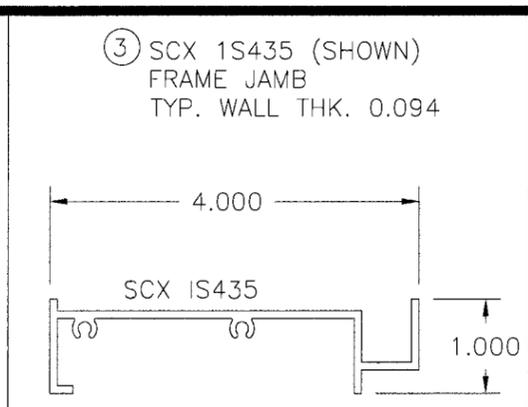
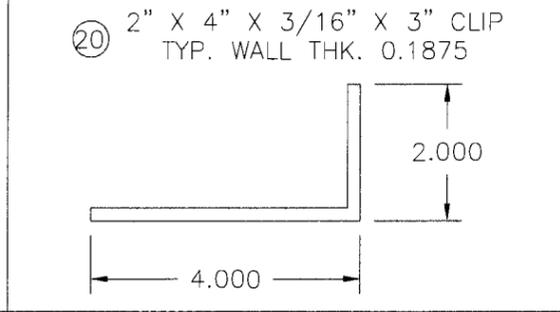
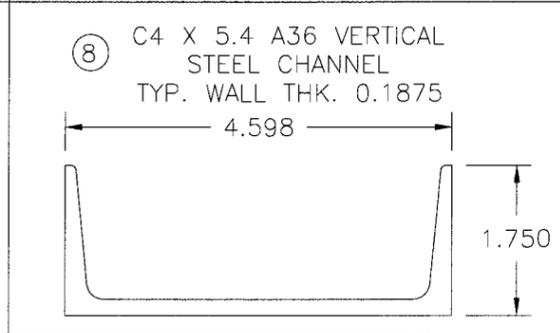
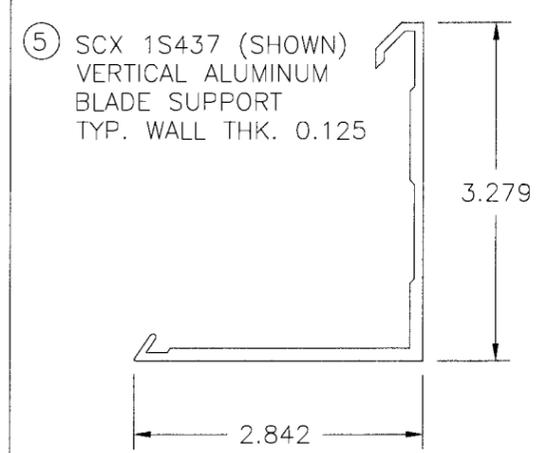
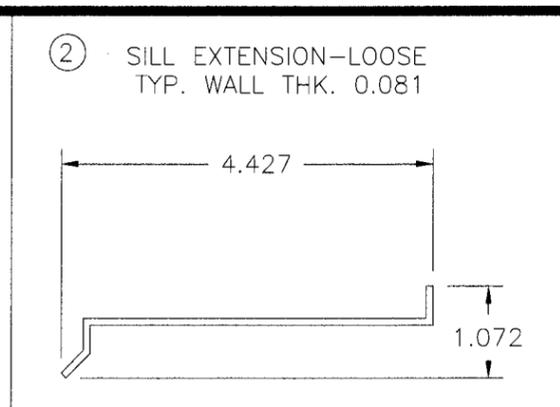
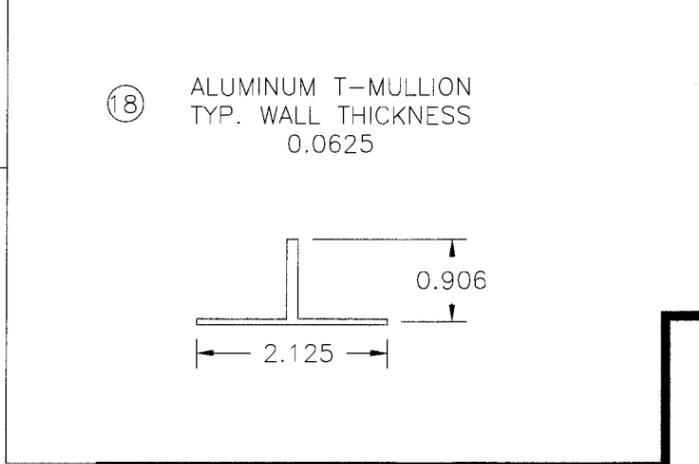
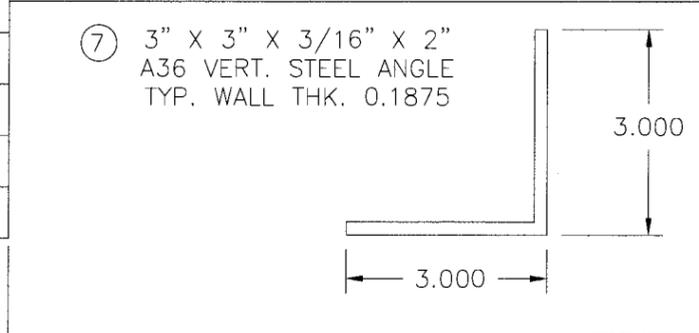
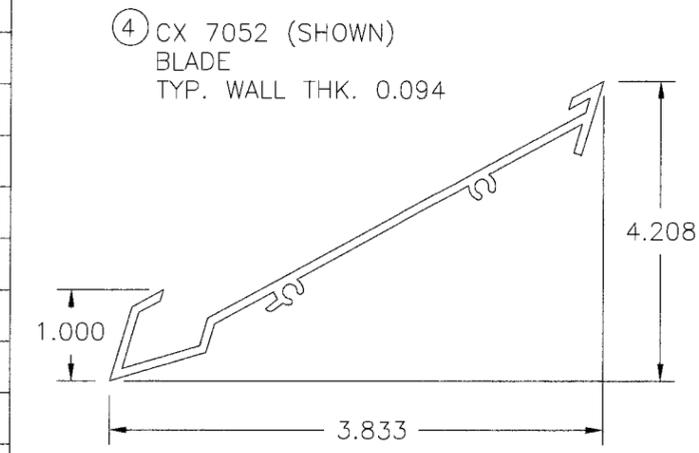
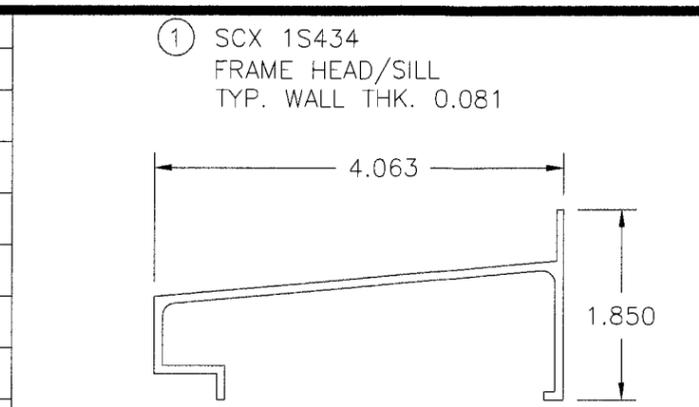
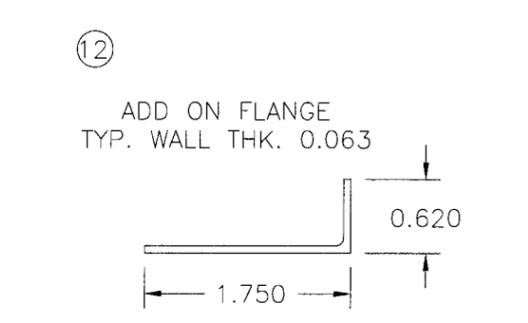
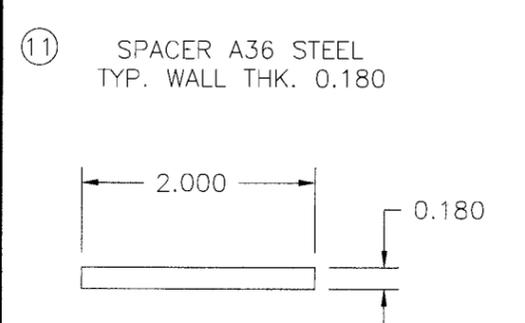
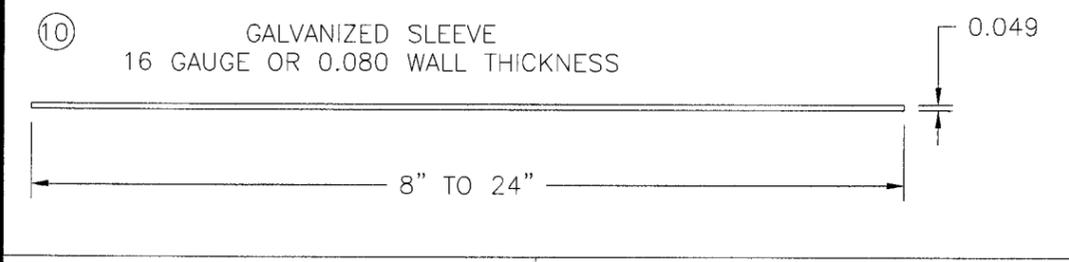
L. Roberto Lomas
 P.E. No. 62514
[Signature]
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 2361 S.E. Seafury Lane
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 850 W. FULLERTON AVE., ADDISON, IL. 60101
 TITLE: ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT
 INSTALLATION DETAILS MASONRY

PREPARED BY: **PTC** PTC ENGINEERING, INC.
 DRN: DRL DATE: 10/10/05
 SCALE: N.T.S. DWG. NO: AIRF0001
 REV: B SHEET: 4 OF 6

Phone 772.398.4639 Fax 772.398.4654

BILL OF MATERIAL		
ITEM #	DESCRIPTION	MATERIAL
1/1A	FRAME HEAD/SILL	6063-T5
2	SILL EXTENSION - LOOSE	6063-T5
3/3A	FRAME JAMB	6063-T5
4/4A	BLADE	6063-T5
5/5A	BLADE SUPPORT	6063-T5
6	2" X 2" 3/16" VERTICAL ALUMINUM SUPPORT	6063-T5
7	3" X 3" 3/16" X 2" A36 STEEL ANGLE	A36
8	C4 X 5.4 A36 VERTICAL STEEL CHANNEL	A36
9	2" X 2" 3/16" 3" CLIP	6063-T5
10	GALVANIZED SLEEVE	A36
11	SPACER	A36
12	ADD ON FLANGE	6063-T5
13	1/2" DIA. X 3" LAG BOLT (1) PER CLIP	
14	#12-14 X 1 1/2" SELF TAPPING SCREW (2) PER CLIP	
15	#10 X 1" SELF TAPPING SCREW @ 12" O.C.	
16	3/8" DIA. LAG BOLT W/3" MIN. EMBEDMENT	
17	3/8" DIA. X 2" BOLT & NUT 18" O.C.	
18	ALUMINUM T-MULLION, DECORATIVE ONLY	6063-T5
19	3/8" DIA. X 3" POWER BOLT	
20	2" X 4" X 3/16" X 3" CLIP	6063-T5



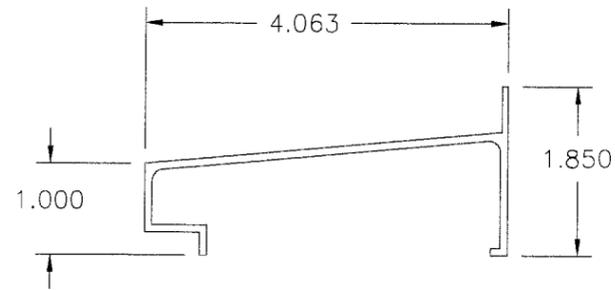
Approved as complying with the Florida Building Code
Date 05/24/2007
NOA# 65-1110.01
Miami Dade Product Control Division
By *[Signature]*

L. Roberto Lomas
P.E. No. 62514
[Signature]
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PTC Engineering, Inc.
2361 S.E. Seafury Lane
Port St. Lucie, Florida 34952
FBPE Certificate of Authorization NO. 25935

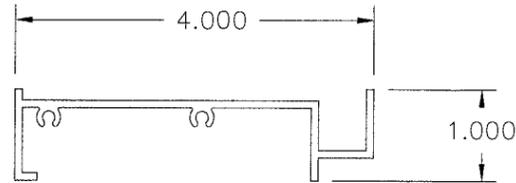
AIR FLOW COMPANY, INC.
850 W. FULLERTON AVE., ADDISON, IL. 60101
TITLE: ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT
BOM & COMPONENTS
PREPARED BY: **PTC**
PTC ENGINEERING, INC.
DRN: DRL DATE: 10/10/05
SCALE: N.T.S. DWG. NO: AIRF0001
REV: B SHEET: 5 OF 6

SYM	REVISION	DATE	BY
B		10/03/06	BB
A	Updated per Dade County letter dated 06/28/06	07/10/06	DRL

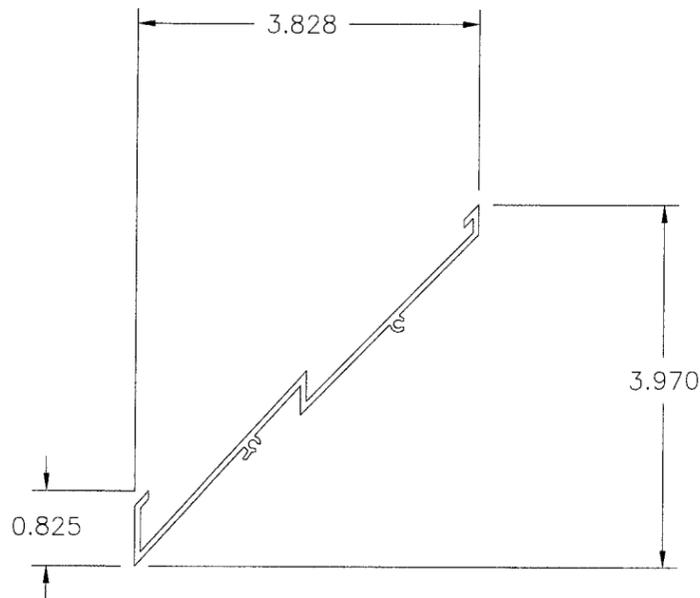
①A SCX 1S432 (NOT SHOWN)
 FRAME HEAD/SILL
 TYP. WALL THK. 0.081



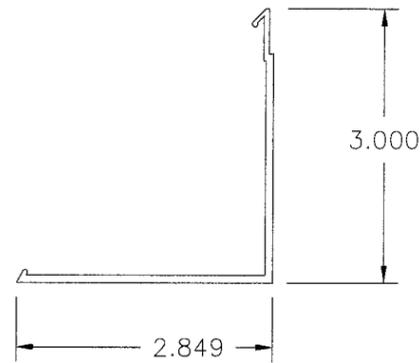
③A CX 6609 (NOT SHOWN)
 FRAME JAMB
 TYP. WALL THK. 0.094



④A CX 6610 (NOT SHOWN)
 BLADE
 TYP. WALL THK. 0.094



⑤A CX7450 (NOT SHOWN)
 VERTICAL ALUMINUM
 BLADE SUPPORT
 TYP. WALL THK. 0.125



Approved as complying with the
 Florida Building Code
 Date 05/24/2007
 NOA# 05-1110.01
 Miami Dade Product Control
 Division
 By [Signature]

L. Roberto Lomas
 P.E. No. 62514

[Signature]
 4/10/07

PTC Engineering, Inc.
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 FBPE Certificate of Authorization NO. 25935

AIR FLOW COMPANY, INC.

850 W. FULLERTON AVE., ADDISON, IL. 60101

TITLE: ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT
 COMPONENTS

PREPARED BY:



Phone 772.398.4639 Fax 772.398.4654

DRN:

DRL

DATE: 10/10/05

SCALE:

N.T.S.

DWG. NO: AIRFO001

REV:

B

SHEET: 6 OF 6

SYM	REVISION	DATE	BY
B		10/03/06	BB
A	Updated per Dade County letter dated 06/28/06	07/10/06	DRL