



**MIAMI-DADE COUNTY**  
**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)**  
**BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/building](http://www.miamidade.gov/building)

**NOTICE OF ACCEPTANCE (NOA)**

**Ruskin Company**  
**3900 Dr. Greaves Road**  
**Grandview, MO 64030**

**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 Section 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 Section (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 Section 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 EME6325D Aluminum Louver**

**APPROVAL DOCUMENT:** Drawing No. **60-022167-01D to 07D**, titled "EME6325D Test Louver" Sheets 1 through 7 of 7, dated 06/14/10, with Revision B dated 07/22/10, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, 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 Section.

**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 revises NOA # **10-0622.01** 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.**

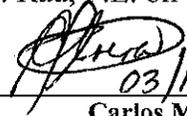


*[Handwritten Signature]*  
 10/3/10/11

NOA No. 11-0128.05  
 Expiration Date: August 25, 2015  
 Approval Date: March 31, 2011  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS “Submitted under NOA # 10-0622.01”**
1. Drawing No. **60-022167-01D to 07D**, titled “EME6325D Test Louver” Sheets 1 through 7 of 7, dated 06/14/10, with Revision B dated 07/22/10, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, P.E.
- B. TESTS “Submitted under NOA # 10-0622.01”**
1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of EME6325 Aluminum Louver Systems”, prepared by National Certified Testing Laboratories, Report No. **210-3655-1**, dated 01/26/10, signed and sealed by Gerald J. Ferrara, P.E.
  2. Test report of Wind Driven Rain Resistance per TAS (A) 95 on EME6325 Aluminum Louver, prepared by PRI Construction Materials Technologies, LLC, Test Report No. **RCV-007-02-01**, dated 02/27/09, signed and sealed by Duc T. Nguyen, P.E.
- C. CALCULATIONS “Submitted under NOA # 10-0622.01”**
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Ruskin Company, dated 06/14/10, signed and sealed by Daniel J. Rau, P.E.
- D. QUALITY ASSURANCE**
1. Miami-Dade Building and Neighborhood Compliance Department (BNC)
- E. MATERIAL CERTIFICATIONS**
1. None.
- F. STATEMENTS “Submitted under NOA # 10-0622.01”**
1. Statement letter of code compliance with 2007 FBC, issued by Ruskin Company, dated 07/22/10, signed and sealed by Daniel J. Rau, P.E.
  2. Statement letter of no financial interest, issued by Ruskin Company, dated 07/22/10, signed and sealed by Daniel J. Rau, P.E.
- G. OTHERS**
1. Drawing No. **60-022167-02D** signed and sealed by Daniel J. Rau, P.E. on 01/21/11.

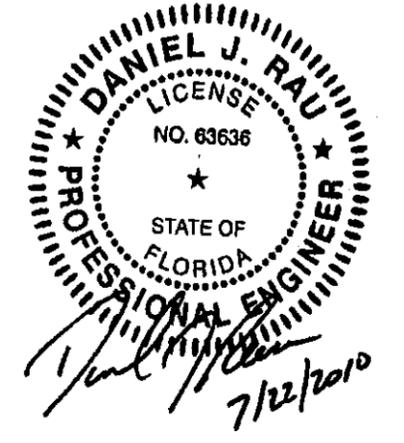
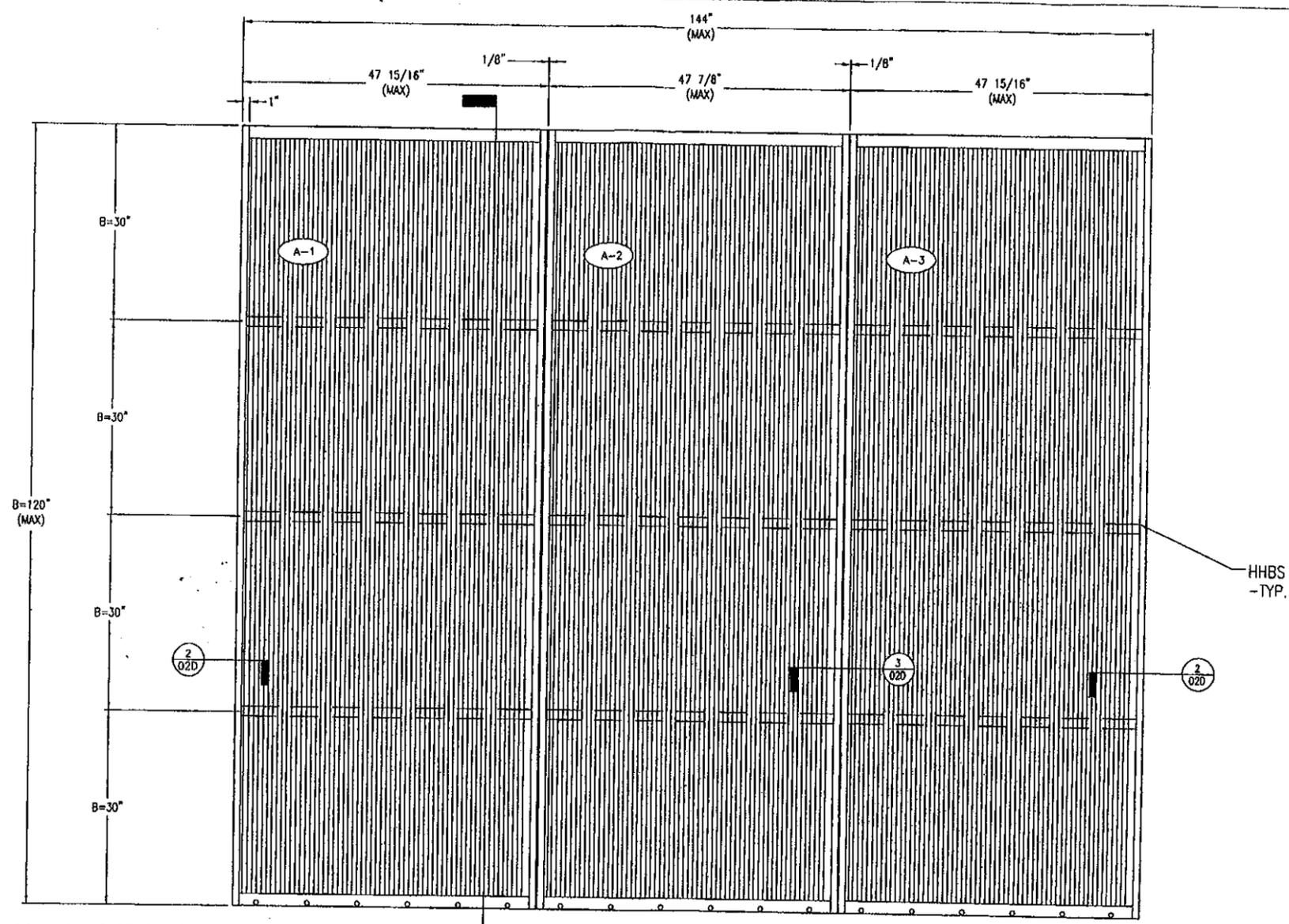


03/10/11

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 11-0128.05

Expiration Date: August 25, 2015  
Approval Date: March 31, 2011

<b>FRAME</b>	
6063-T6 extruded aluminum with .095" nominal wall thickness.	<input checked="" type="checkbox"/>
Flange frame is same material and thickness as above.	<input type="checkbox"/>
<b>BLADES</b>	
6063-T6 extruded aluminum with .082" nominal wall thickness.	<input checked="" type="checkbox"/>
<b>SCREEN</b>	
5/8" x .040" expanded flat-tened aluminum bird screen.	<input type="checkbox"/>
1/2" mesh x .063" aluminum bird screen.	<input checked="" type="checkbox"/>
18-16 mesh alum insect screen.	<input type="checkbox"/>
No screen.	<input type="checkbox"/>
<b>FINISH</b>	
Mill.	<input checked="" type="checkbox"/>
Kynar (opt).	<input type="checkbox"/>
Baked enamel (modified fluoropolymer, 50% Kynar, opt).	<input type="checkbox"/>
Color Anodize (opt).	<input type="checkbox"/>
Clear Anodize (opt).	<input type="checkbox"/>
Color:	<input type="checkbox"/>



**NOTES:**

- 1) THE EME6325 HAS BEEN TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS TAS100(A), TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE AND CYCLIC WIND PRESSURE.
- 2) THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESSURES OF +/- 150 PSF OR LESS.
- 3) THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD OR LIVE LOADS.
- 4) LOUVER ANCHORS ARE REVIEWED FOR ATTACHMENT INTO STEEL, CONCRETE, MASONRY OR TIMBER SUBSTRUCTURE. MINIMUM EDGE DISTANCE AND EMBEDMENT REQUIREMENTS ARE SHOWN. RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE SUB-STRUCTURE.
- 5) MAXIMUM SINGLE SECTION SIZE: 47 15/16" WIDE X 120" HIGH.
- 7) MAXIMUM ASSEMBLED LOUVER SIZE: UNLIMITED WIDE X 120" HIGH. MAX. MULLION SPACING IS 47 15/16".
- 8) SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.

**ASSEMBLY 'A'**  
 N.T.S.  
 3-ASSEMBLIES REQ'D W/ 3-SHIP SECTIONS EACH. FRONT VIEW

TESTS PERFORMED:  
 TAS-100a WATER PERFORMANCE TEST  
 TAS-201 LARGE MISSILE IMPACT  
 TAS-202 UNIFORM STATIC AIR PRESSURE TEST  
 TAS-203 CYCLIC WIND PRESSURE TEST  
 DESIGN PRESSURE RATING 150 PSF

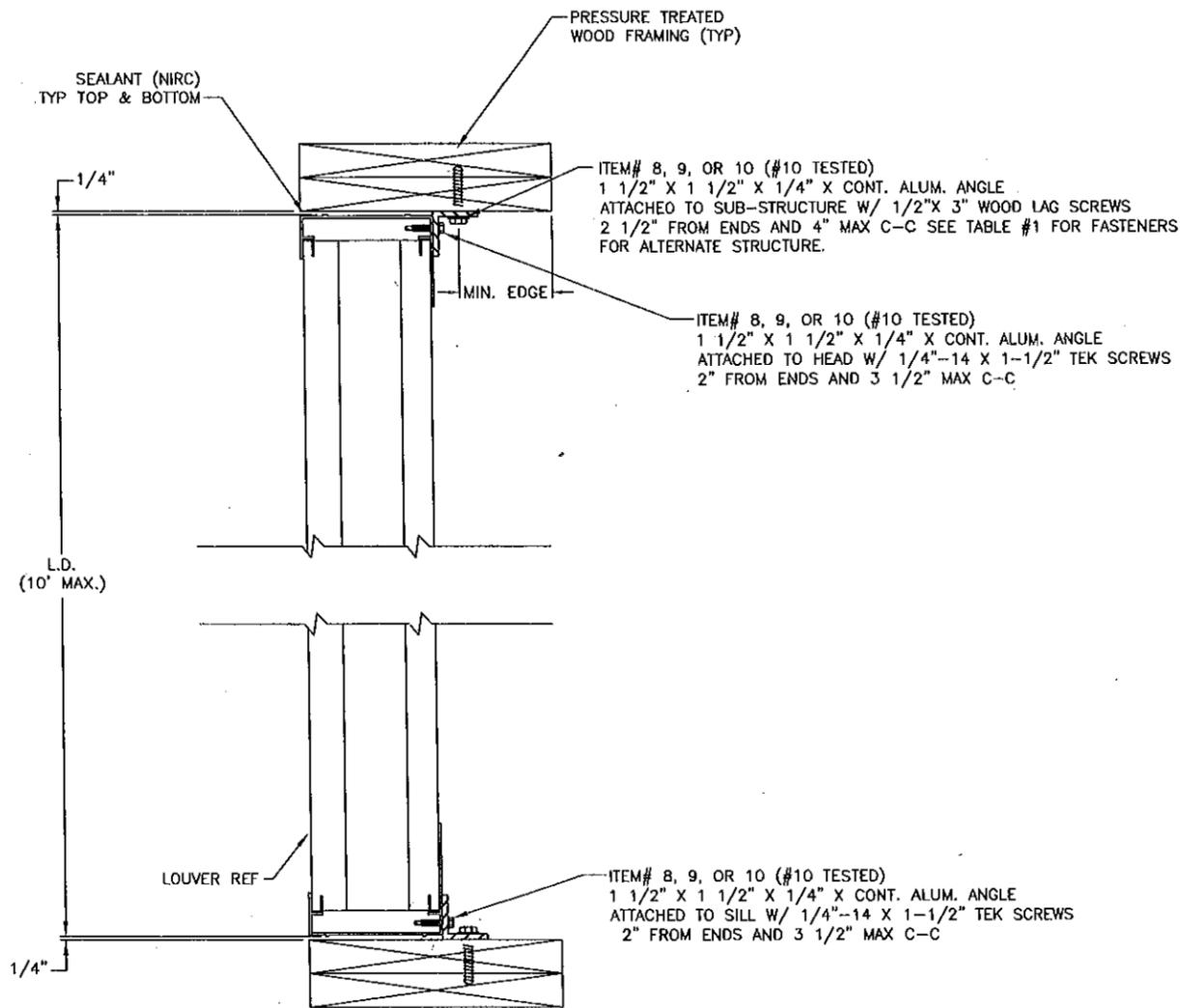
**DRAWING INDEX:**

1. EME6325D TEST LOUVER, SPEC, ASS'Y & NOTES - CLIP ANGLE INSTALLATION
2. EME6325D TEST LOUVER - CLIP ANGLE INSTALLATION DETAILS
3. EME6325D TEST LOUVER, SPEC, ASS'Y & NOTES - SLEEVE INSTALLATION
4. EME6325D TEST LOUVER - SLEEVE INSTALLATION DETAILS
5. EME6325D TEST LOUVER - ALTERNATE ATTACHMENT TABLES
6. EME6325D TEST LOUVER - PART DETAILS

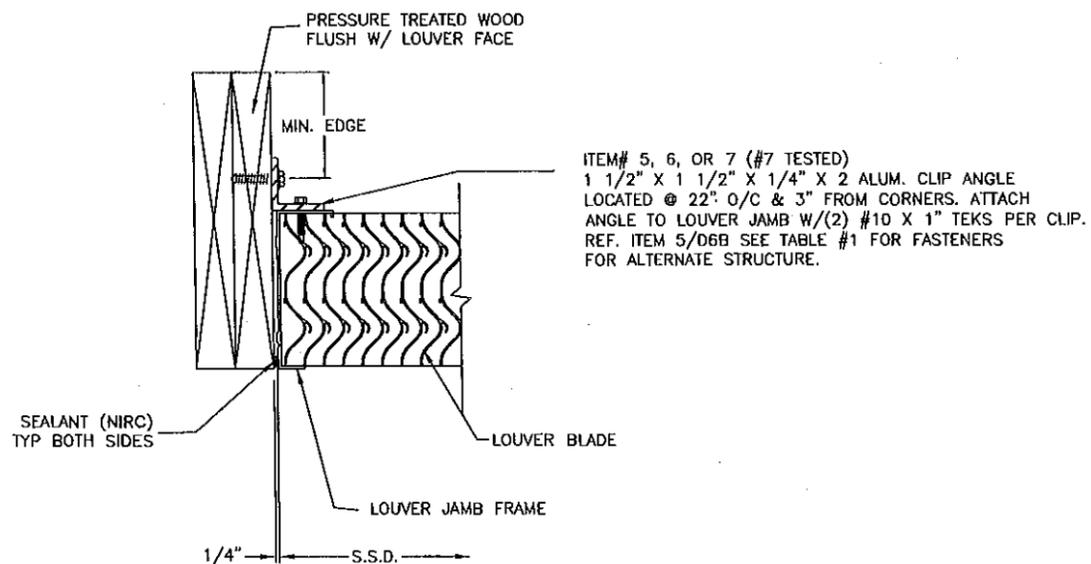
FOR OFFICE USE ONLY  
 Approved as complying with the Florida Building Code  
 Date 08/25/2010  
 NOAH ID-0672.01  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No 11-9128.05  
 Expiration Date 08/25/2015  
 By *[Signature]*  
 Miami Dade Product Control

ENGINEER OF RECORD DANIEL J. RAU	MOCCO COMMENTS	DRP	VMA	VMA	1/24/10
ENGINEERING DISCIPLINE CIVIL ENGINEER	CLIP ANGLE AND FASTENER	VMA			
REGISTRATION NUMBER STATE OF FLORIDA #0063636	REVISION DESCRIPTION	CHG. BY	CHK'D BY	APPR'D BY	DATE
DATE: 8/9/09	DATE: 8/14/10	DATE: 8/14/10			
SHEET 1 OF 7	EME6325D TEST LOUVER, SPEC, ASS'Y & NOTES CLIP ANGLE INSTALLATION				60-022167-010

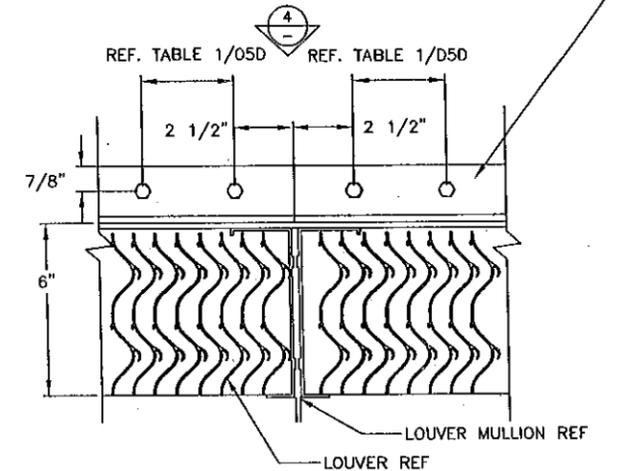


1 HEAD & SILL DETAIL: METHOD 1 - AS TESTED - WOOD FRAME  
 01D N.T.S.  
 ALTERNATE STRUCTURE - CONCRETE, STEEL FRAME

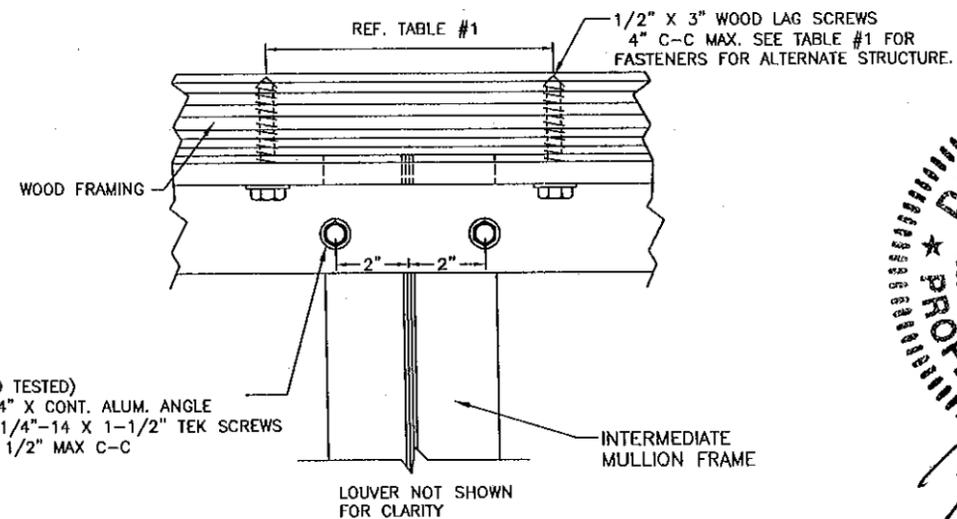


2 JAMB DETAIL: METHOD 1 - AS TESTED - WOOD FRAME  
 01D N.T.S.  
 ALTERNATE STRUCTURE - CONCRETE, STEEL FRAME

ITEM# 8, 9, OR 10 (#10 TESTED)  
 1 1/2" X 1 1/2" X 1/4" X CONT. ALUM. ANGLE  
 ATTACHED TO SUB-STRUCTURE W/ 1/2" X 3" WOOD LAG SCREWS  
 2 1/2" FROM ENDS AND 4" MAX C-C SEE TABLE #1 FOR FASTENERS  
 FOR ALTERNATE STRUCTURE.

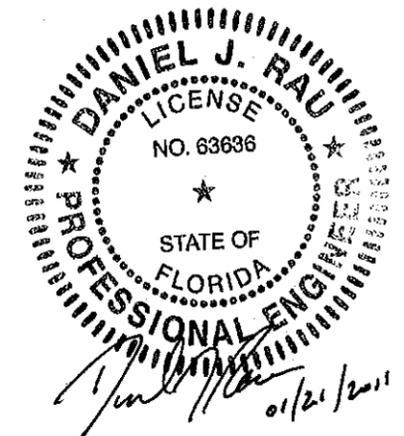


3 MULLION DETAIL: METHOD 1 - AS TESTED - WOOD FRAME  
 01D N.T.S.  
 ALTERNATE STRUCTURE - CONCRETE, STEEL FRAME



ITEM# 8, 9, OR 10 (#10 TESTED)  
 1 1/2" X 1 1/2" X 1/4" X CONT. ALUM. ANGLE  
 ATTACHED TO HEAD W/ 1/4"-14 X 1-1/2" TEK SCREWS  
 2" FROM ENDS AND 3 1/2" MAX C-C

4 MULLION HEAD DETAIL @ STRUCTURE (SILL SIM): METHOD 1 - AS TESTED - WOOD FRAME  
 01D N.T.S.  
 ALTERNATE STRUCTURE - CONCRETE, STEEL FRAME



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 Building Code  
 Acceptance No. 11-0128,05  
 Expiration Date 08/25/2015  
 By: [Signature]  
 Miami Dade Product Control

ENGINEER OF RECORD  
 DANIEL J. RAU  
 ENGINEERING DISCIPLINE  
 CIVIL ENGINEER  
 REGISTRATION NUMBER  
 STATE OF FLORIDA #0063636

DATE: 5/9/09 BY: VMA DATE: 6/14/10 BY: DJR DATE: 8/14/10 BY: DJR  
 SHEET 2 OF 7

CHANGE LETTER	REVISION DESCRIPTION	DRP	VMA	VMA	1/22/10
TITLE		FLY SCALE		DWG. NO.	
EME6325D TEST LOUVER CLIP ANGLE INSTALLATION DETAILS		NONE		60-022167-02D	



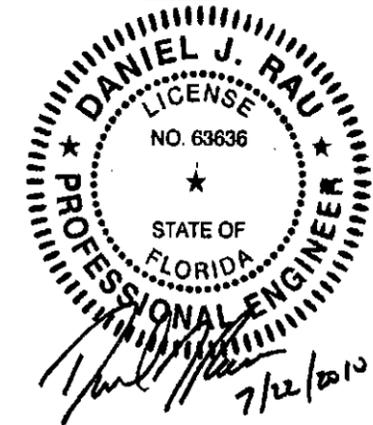
TABLE #1: APPROVED ATTACHMENTS

MIN. SUPPORT MAT'L	TYPE CONNECTION	ANGLE SLOT WIDTH	MAX SPACING	MIN EMBEDMENT	MIN EDGE
(12 GA MIN) STEEL	5/16"Ø A307 OR SDS	3/8"	3 1/2" C-C MAX.	N/A	2 1/2"
(4" MIN) CONCRETE	3/8"Ø KB TZ	7/16"	6" C-C MAX.	2"	3"
(8" CMU) GROUT FILLED MASONRY	3/8"Ø KBIII	7/16"	8" C-C MAX.	2 1/2"	4"
(2 - 2 X 10) WOOD	1/2"Ø X 3 LAG SCREW	9/16"	4" C-C MAX.	3"	2 1/2"

NOTE: ALL FASTENERS MUST BE INSTALLED PER THE MANUFACTURER'S FLORIDA/DADE COUNTY APPROVED INSTALLATION INSTRUCTIONS

TABLE #2: DRAWING CROSS REFERENCE

ITEM	DRAWING	MATERIAL	DESCRIPTION	RUSKIN #
1	60-022167-05D	6063-T6 AL	HEAD FRAME	70-021995-00B
2	60-022167-05D	6063-T6 AL	BLADE	70-021868-00B
3	60-022167-05D	6063-T6 AL	SILL FRAME	70-020749-00B
4	60-022167-05D	6063-T6 AL	JAMB FRAME	70-020750-00B
5	60-022167-06D	6063-T6 AL	CLIP ATTACHMENT (STEEL STRUCTURE)	
6	60-022167-06D	6063-T6 AL	CLIP ATTACHMENT (CONCRETE STRUCTURE)	
7	60-022167-06D	6063-T6 AL	CLIP ATTACHMENT (WOOD STRUCTURE)	
8	60-022167-06D	6063-T6 AL	CONT. CLIP ATTACHMENT (STEEL STRUCTURE)	
9	60-022167-06D	6063-T6 AL	CONT. CLIP ATTACHMENT (CONCRETE STRUCTURE)	
10	60-022167-06D	6063-T6 AL	CONT. CLIP ATTACHMENT (WOOD STRUCTURE)	
11	60-022167-07D	5052-H32 AL	CONT. FLAT PLATE (CMU STRUCTURE)	
12	60-022167-07D	5052-H32 AL	HEAD/SILL CONT. Z PLATE (CMU STRUCTURE)	
13	60-022167-07D	3003-H14 AL	JAMB ANGLE CONT. Z PLATE (CMU STRUCTURE)	
14	60-022167-07D	3003-H14 AL	CONT. REINFORCEMENT PLATE (CMU STRUCTURE)	

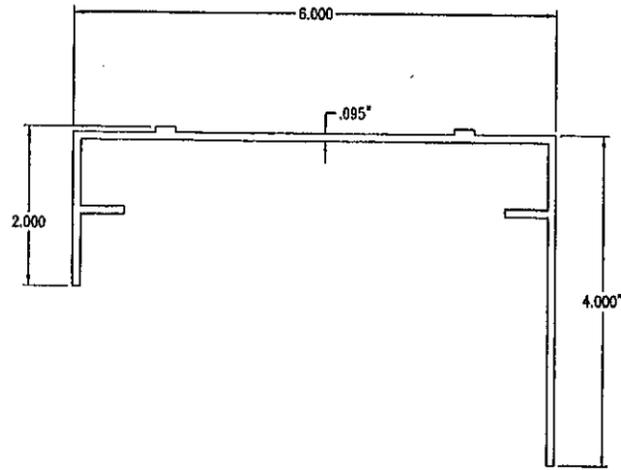


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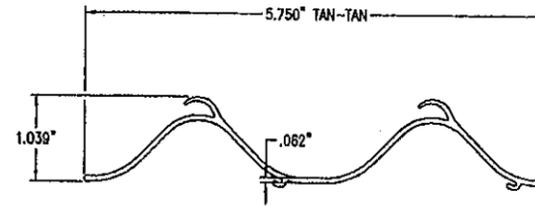
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 NOA# 10-0622-01  
 Miami Dade Product Control  
 Division [Signature]  
 By [Signature]

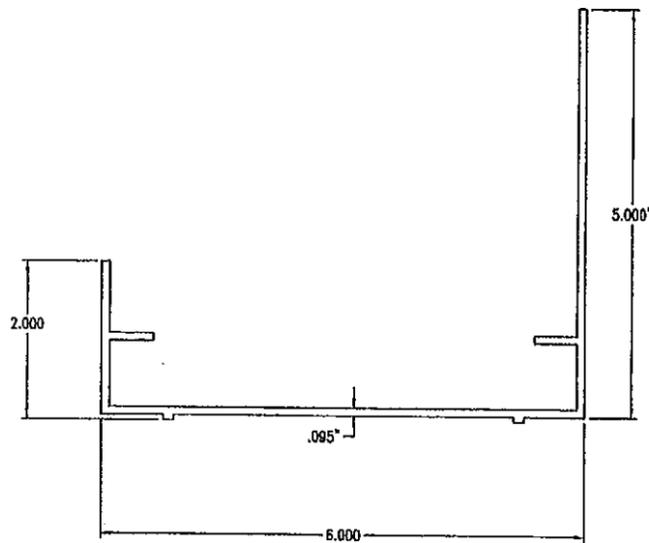
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DRP	VMA	VMA	DATE	MDDDDDD COMMENTS	
8/9/09	8/14/10	8/14/10			
RUSKIN		NONE		FILE SCALE	
EMEB325D TEST LOUVER ALTERNATE ATTACHMENT TABLES		NONE		60-022167-04D	
SHEET 4 OF 7					



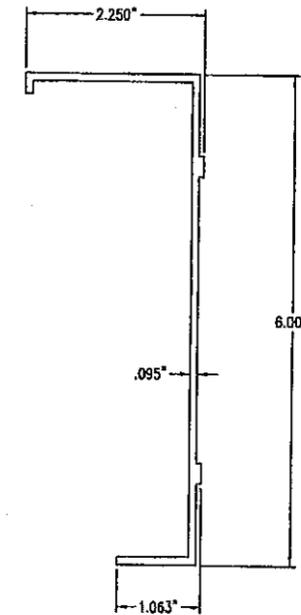
ITEM 1 - HEAD FRAME  
RUSKIN# 70-021925-006



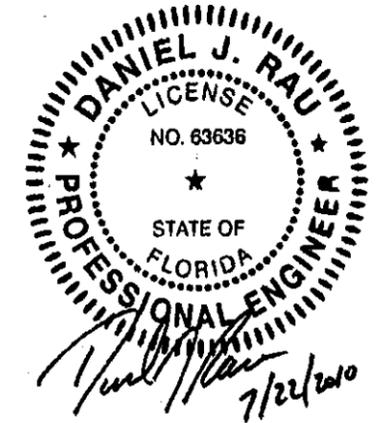
ITEM 2 - LOWER BLADE  
RUSKIN# 70-021868-006



ITEM 3 - SILL FRAME  
RUSKIN# 70-022226-006



ITEM 4 - JAMB FRAME  
RUSKIN# 70-022227-006



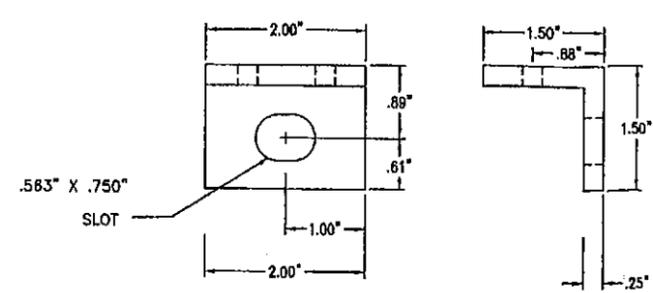
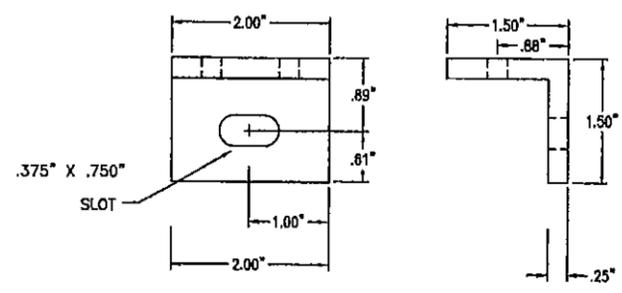
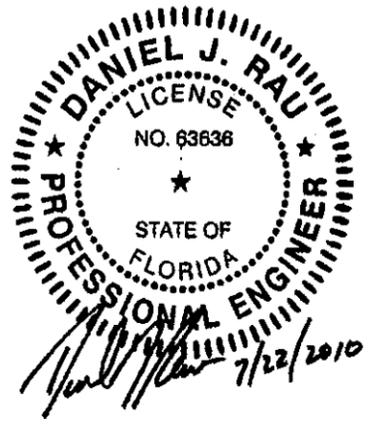
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-0128.05  
 Expiration Date 03/23/2015  
 By [Signature]  
 Miami Dade Product Control

FOR OFFICE USE ONLY

Approved as complying with the  
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 NOAH 10-0622.01  
 Miami Dade Product Control  
 Division  
 By [Signature]

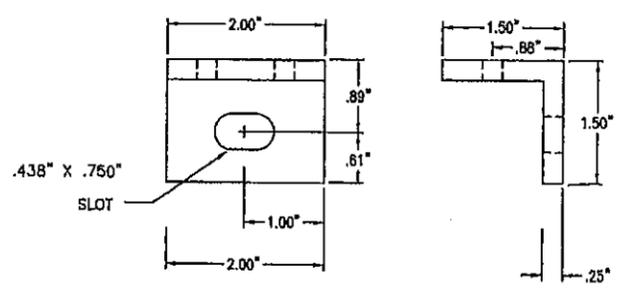
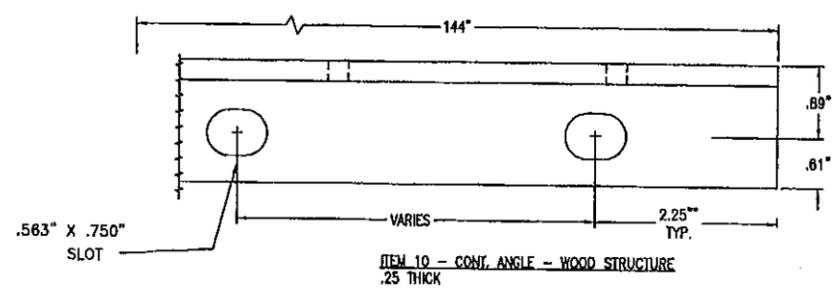
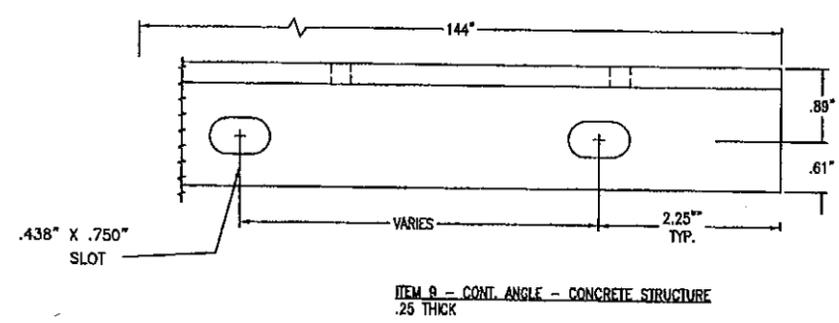
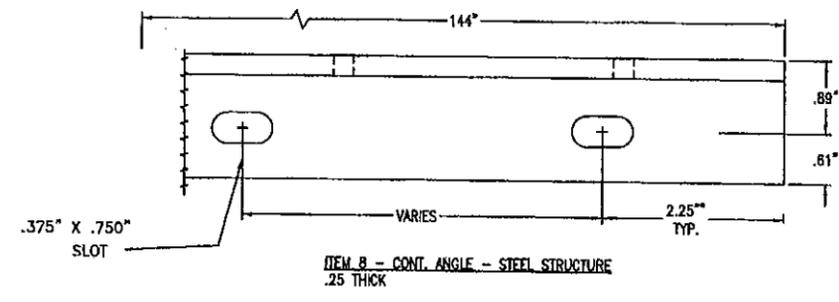
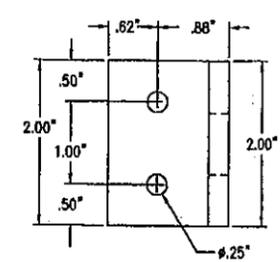
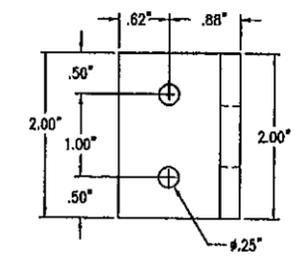
ENGINEER OF RECORD DANIEL J. RAU ENGINEERING DISCIPLINE CIVIL ENGINEER REGISTRATION NUMBER STATE OF FLORIDA #0063636	
DATE 8/9/09	DATE 8/14/10
DATE 8/14/10	DATE 8/14/10
SHEET 5 OF 7	

CHANGE LETTER	REVISION DESCRIPTION	DATE	DRP	VMA	VMA	DATE
TITLE EME8325D TEST LOUVER ALTERNATE ATTACHMENT TABLES		DRAWING NO. 60-022167-050				

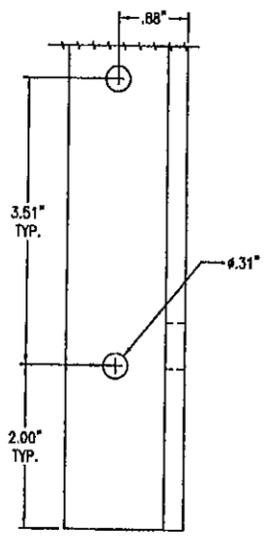
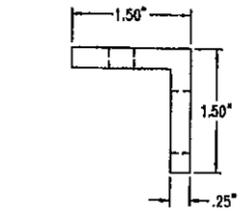
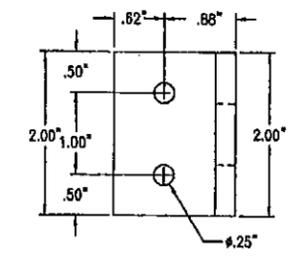


ITEM 5 - CLIP ANGLE  
STEEL STRUCTURE

ITEM 7 - CLIP ANGLE  
CONCRETE STRUCTURE



ITEM 6 - CLIP ANGLE  
WOOD STRUCTURE

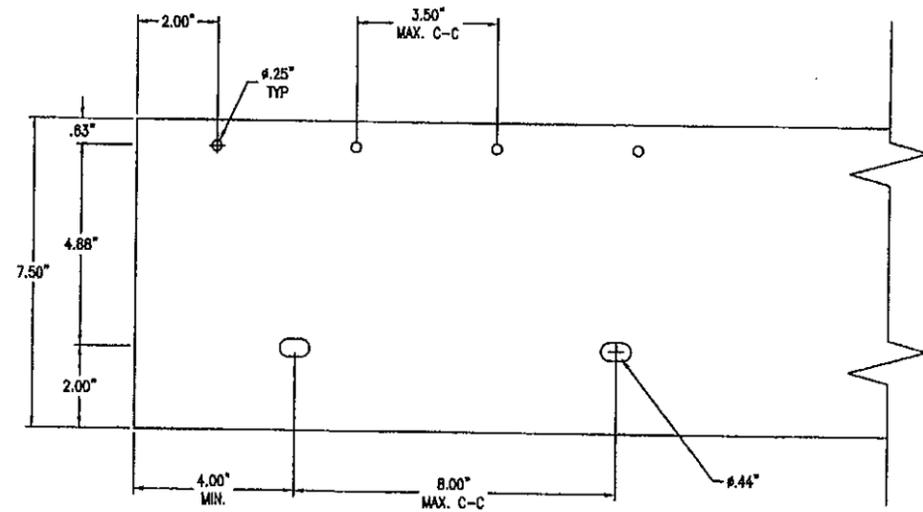


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 11-0128.05  
Expiration Date 08/25/2015  
By [Signature]  
Miami Dade Product Control

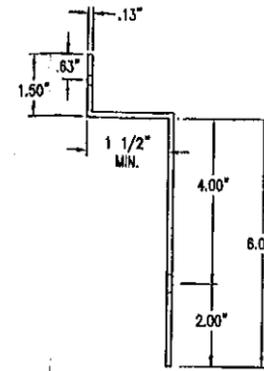
FOR OFFICE USE ONLY  
Approved as complying with the  
Florida Building Code  
Date 08/25/2010  
NOAH 10-0622-01  
Miami Dade Product Control  
Division  
By [Signature]

ENGINEER OF RECORD DANIEL J. RAU	
ENGINEERING DISCIPLINE CIVIL ENGINEER	
REGISTRATION NUMBER STATE OF FLORIDA #0063636	
DATE 8/9/09	DATE 8/14/10
DATE 8/14/10	DATE 8/14/10
SHEET 6 OF 7	

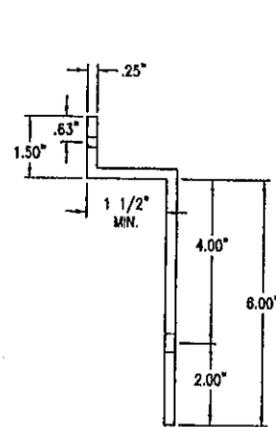
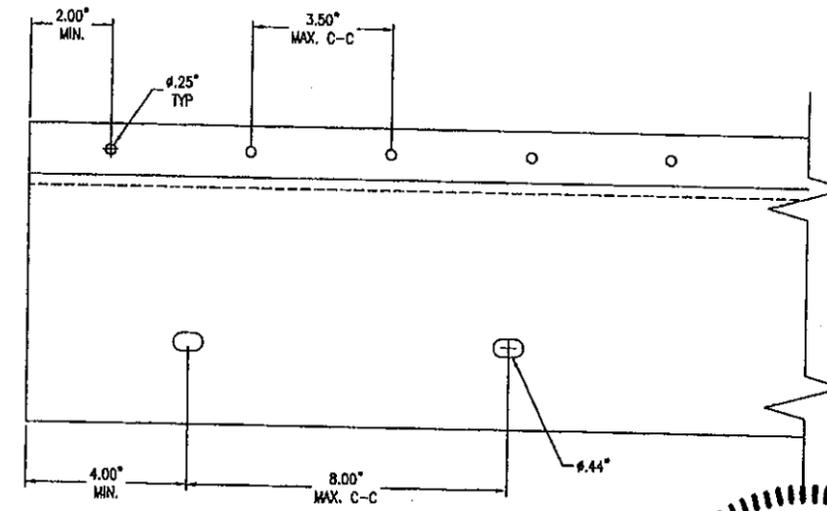
MDCCC0 COMMENTS	DRP	VMA	VMA	7/21/10
REVISION DESCRIPTION	DRP	DRP	DRP	DATE
3RD OR GREATER REVISIONS, NO CHECK	DRP	DRP	DRP	DATE
PROPRIETARY INFORMATION	NONE	DRP	DRP	DATE
EM6325D TEST LOUVER ALTERNATE ATTACHMENT TABLES				60-022167-06D



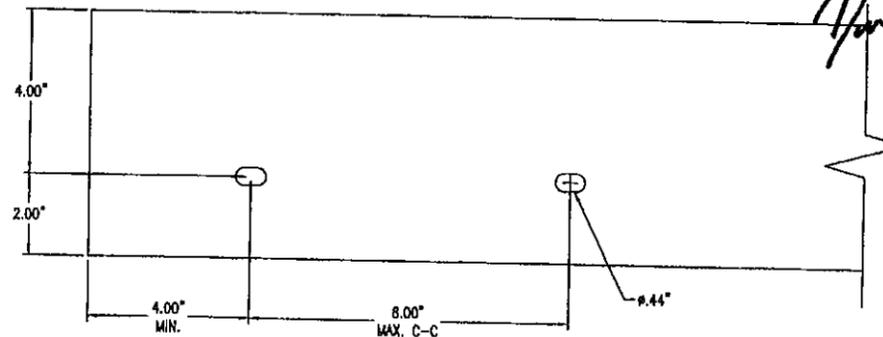
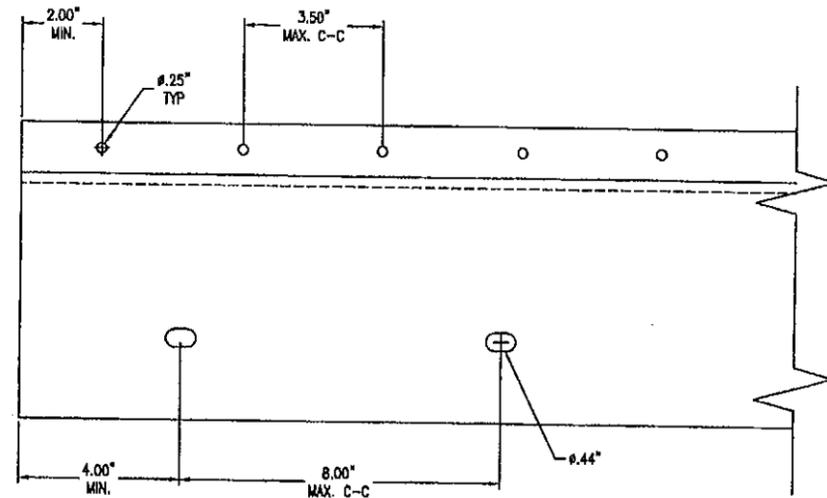
ITEM 11 - CONT. FLAT PLATE  
 .25 THICK - 5052-H32 AL  
 REQUIRES ITEM #14 FOR LOUVERS OVER 84" IN HEIGHT



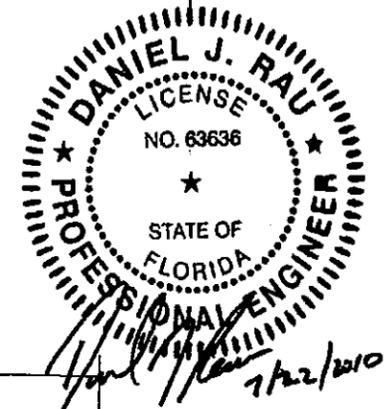
ITEM 13 - JAMB CONT. Z SHAPE PLATE  
 .125 THICK - 3003-H14 AL



ITEM 12 - HEAD/SILL CONT. Z SHAPE PLATE  
 5052-H32 AL



ITEM 14 - CONT. - REINFORCEMENT PLATE  
 .125 THICK - 3003-H14 AL



PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-0128.05  
 Expiration Date 02/25/2015  
 By *[Signature]*  
 Miami Dade Product Control

TABLE #2			
LOUVER HEIGHT	ITEM #12 Z PLATE THICKNESS	MATERIAL	NOTE
6" - 21"	.125"	3003-H14 AL	--
21" - 84"	.25"	5052-H32 AL	--
84" - 120"	.25"	5052-H32 AL	NEED ITEM #14

FOR OFFICE USE ONLY

Approved as complying with the  
 Florida Building Code  
 Date 08/25/2010  
 NOA# 10-0622.01  
 Miami Dade Product Control  
 Division *[Signature]*

ENGINEER OF RECORD DANIEL J. RAU		REGISTRATION NUMBER STATE OF FLORIDA #0063636		MDC000 COMMENTS	
ENGINEERING DISCIPLINE CIVIL ENGINEER		DATE 8/9/09		DRP	VMA
DATE 8/9/09		DATE 8/14/10		VMA	1/21/10
DATE 8/14/10		DATE 8/14/10		DATE	DATE
SHEET 7 OF 7		EMEB325D TEST LOUVER ALTERNATE ATTACHMENT TABLES		60-022167-07D	