



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

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/pera/

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 and accepted by Miami-Dade County PERA -Product Control Section 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. PERA 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 06/14/2010, with revision B dated 07/22/2010, 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, model/series, 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 # 11-0128.05 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.**



[Signature]
08/30/2012

NOA No. 12-0628.05
Expiration Date: August 25, 2015
Approval Date: September 6, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

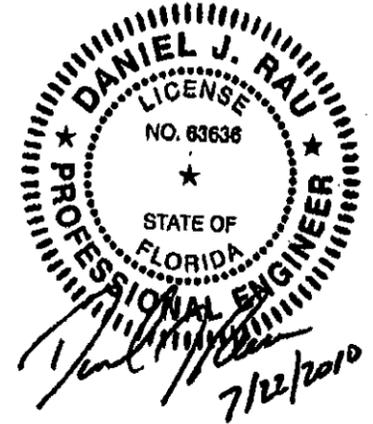
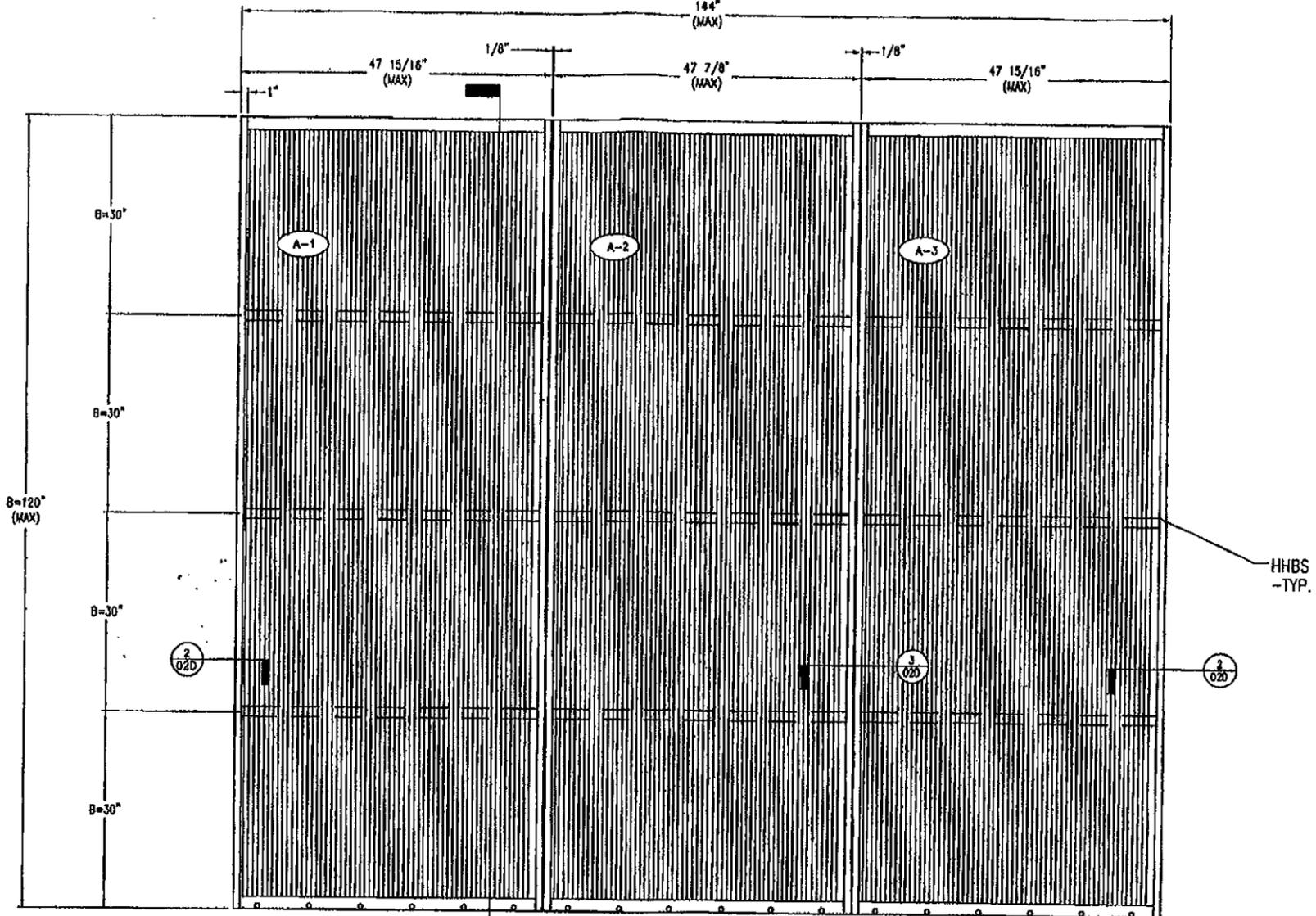
- A. DRAWINGS “Submitted under NOA # 10-0622.01”**
1. Drawing No. **60-022167-01D to 07D**, titled “EME6325D Test Louver” Sheets 1 through 7 of 7, dated 06/14/2010, with Revision B dated 07/22/2010, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, P.E.
- B. TESTS “Submitted under NOA # 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 01/26/2010, 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 02/27/2009, 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 06/14/2010, signed and sealed by Daniel J. Rau, P.E.
- D. QUALITY ASSURANCE**
1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)
- E. MATERIAL CERTIFICATIONS**
1. Test report on impact test of a vertical blade louver per AMCA 540, prepared by Ruskin Company, dated 05/30/2012, signed and sealed by Daniel J. Rau, P.E.
- F. STATEMENTS**
1. Statement letter of code conformance to 2010 FBC, issued by Ruskin Company, dated 06/13/2012, signed and sealed by Daniel J. Rau, P.E.
- “Submitted under NOA # 10-0622.01”**
2. Statement letter of no financial interest, issued by Ruskin Company, dated 07/22/2010, signed and sealed by Daniel J. Rau, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0628.05

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FRAME	
6063-T6 extruded aluminum with .095" nominal wall thickness.	
Flange frame is same material and thickness as above.	
BLADES	
6063-T6 extruded aluminum with .092" nominal wall thickness.	
SCREEN	
5/8" x .040" expanded flat-tened aluminum bird screen.	
1/2" mesh x .063" aluminum bird screen.	
18-18 mesh alum insect screen.	
No screen.	
FINISH	
Mill.	
Kynar (opt).	
Baked enamel (modified fluoropolymer, 50% Kynar, opt).	
Color Anadize (opt).	
Clear Anadize (opt).	
Color:	



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 SUPDRPT 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-100g 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:

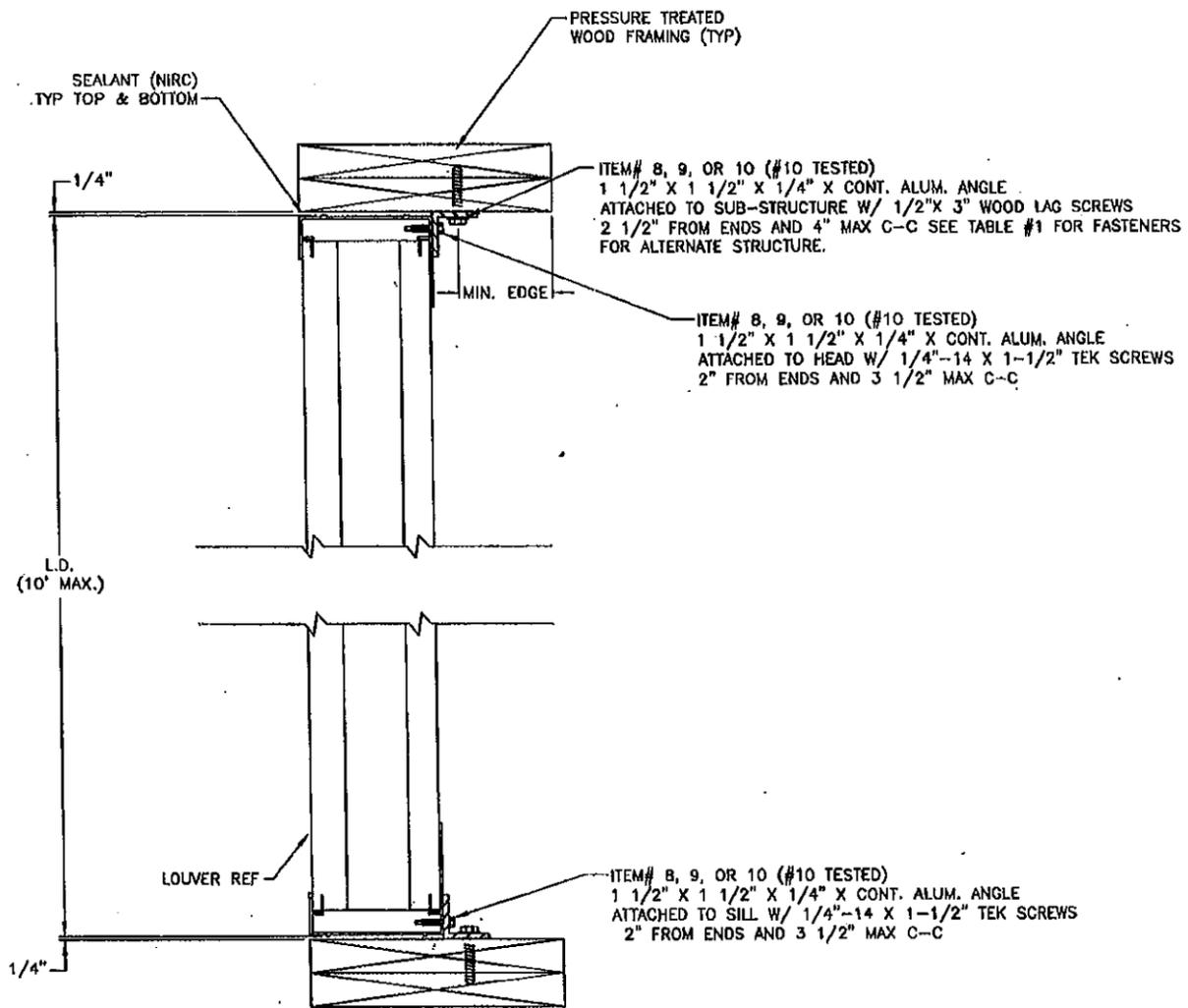
1. EME6325D TEST LOUVER, SPEC, ASS'Y & NOTES - CLIP ANGLE INSTALLATION
2. EME6325D TEST LOUVER - CLIP ANGLE INSTALLATION DETAILS
3. EME6325D TEST LOUVER, SPEC, ASS'Y & NOTES - SLEEVE INSTALLATION
4. EME6325D TEST LOUVER - SLEEVE INSTALLATION DETAILS
5. EME6325D TEST LOUVER - ALTERNATE ATTACHMENT TABLES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

PRODUCT REVISED
 as complying with the Florida Building Code
 Acceptance No 12-0628.05
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 By *[Signature]*
 Miami Dade Product Control

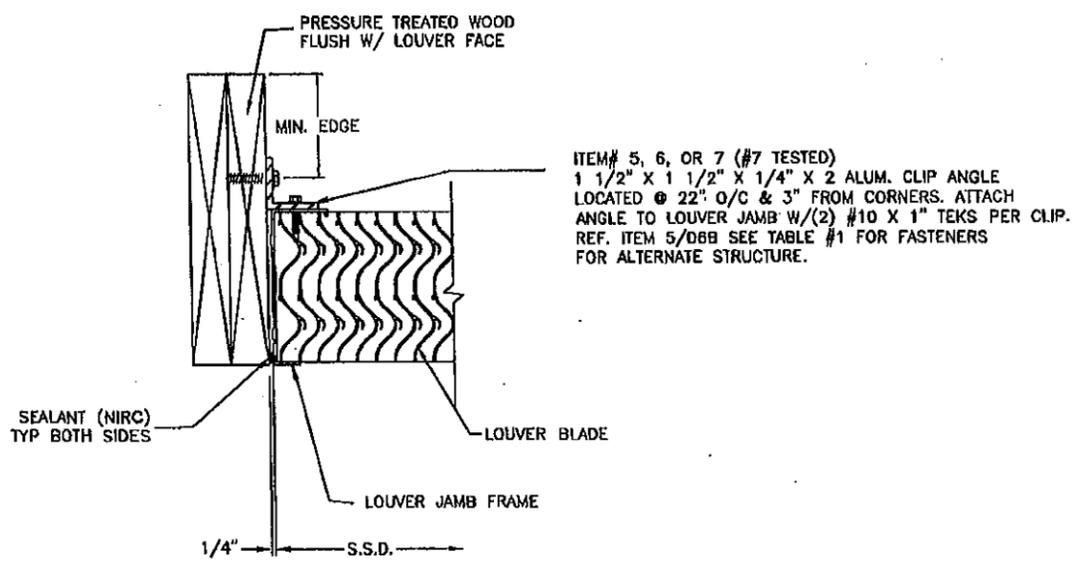
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 NOAH 10-0622-01
 Miami Dade Product Control
 By *[Signature]*

DESIGNER OF RECORD DANIEL J. RAU		REVISIONS	
ENGINEERING DISCIPLINE CIVIL ENGINEER	NO. 000000 COMMENTS	DRP	VMA
REGISTRATION NUMBER STATE OF FLORIDA #0063636	(A) CLIP ANGLE AND FASTENER	VMA	VMA
DATE 8/9/08	REVISION DESCRIPTION	DATE	DATE
BY VMA	BY DJR	DATE 8/14/10	DATE 8/14/10
SHEET 1 OF 7		EMEB325D TEST LOUVER, SPEC, ASS'Y & NOTES CLIP ANGLE INSTALLATION	
		60-022167-01D	

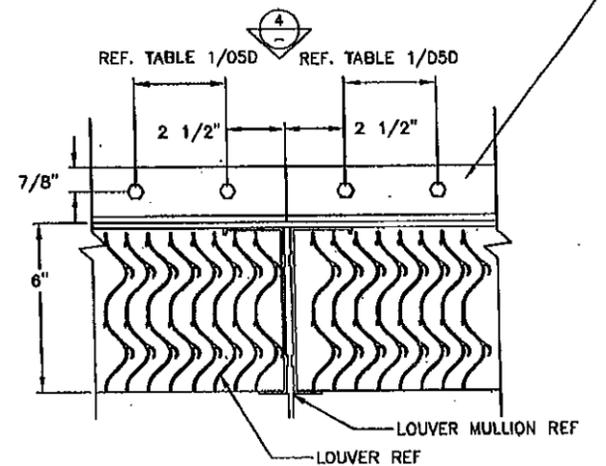


1 HEAD & SILL DETAIL: METHOD 1 - AS TESTED - WOOD FRAME
 01D N.T.S.
 ALTERNATE STRUCTURE - CONCRETE, STEEL FRAME

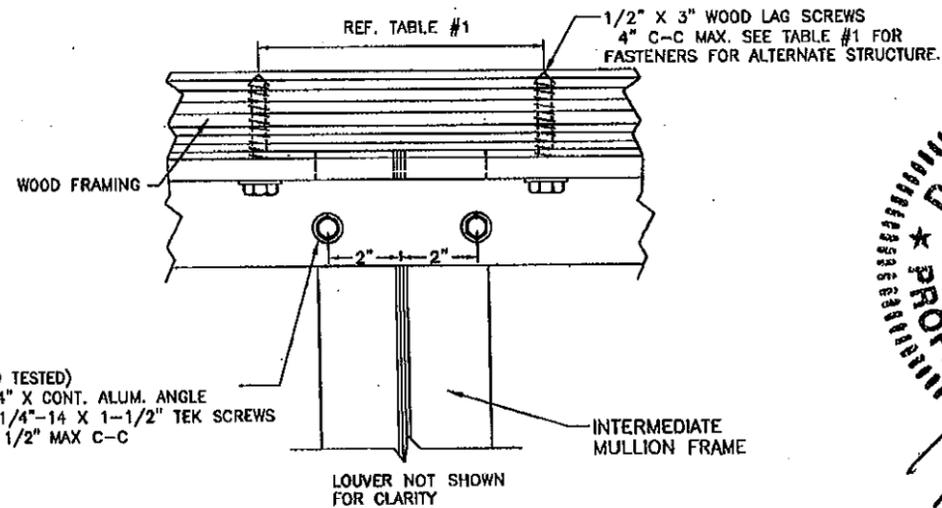


2 JAMB DETAIL: METHOD 1 - AS TESTED - WOOD FRAME
 01D N.T.S.
 ALTERNATE STRUCTURE - CONCRETE, STEEL FRAME

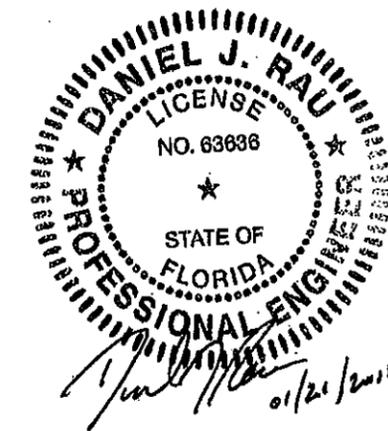
ITEM# 8, 9, OR 10 (#10 TESTED)
 1 1/2" X 1 1/2" X 1/4" X CONT. ALUM. ANGLE
 ATTACHED TO SUB-STRUCTURE W/ 1/2" X 3" WOOD LAG SCREWS
 2 1/2" FROM ENDS AND 4" MAX C-C SEE TABLE #1 FOR FASTENERS
 FOR ALTERNATE STRUCTURE.



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



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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 By *[Signature]*
 Miami Date Product Control

ENGINEER OF RECORD DANIEL J. RAU		DRP		VMA	VMA	1/2010
ENGINEERING DISCIPLINE CIVIL ENGINEER		DRP	VMA	VMA		
REGISTRATION NUMBER STATE OF FLORIDA #0063636		REVISION DESCRIPTION	DATE	DATE	DATE	DATE
DATE	BY	DATE	BY	DATE	BY	DATE
5/9/09	VMA	8/14/10	DJR	8/14/10		
SHEET 2 OF 7		EM6325D TEST LOUVER CLIP ANGLE INSTALLATION DETAILS		60-022167-02D		

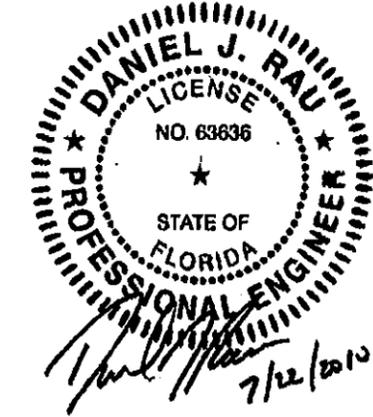
TABLE #1: APPROVED ATTACHMENTS

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



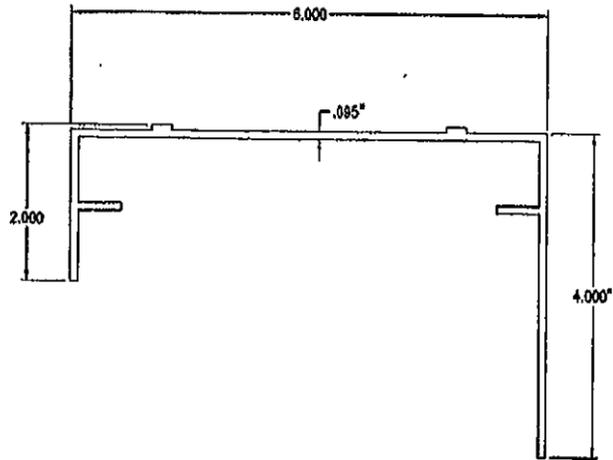
PRODUCT REVISED
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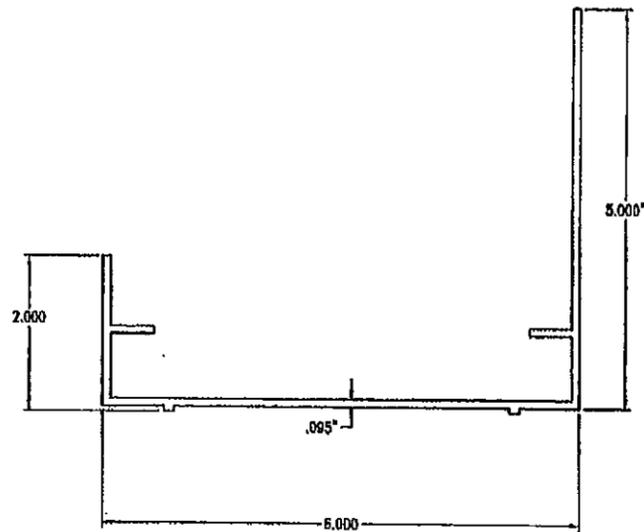
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 NOA# 10-0622-01
 Miami Dade Product Control
 Division *[Signature]*

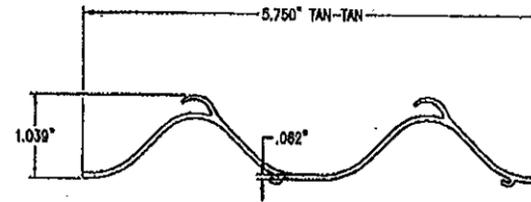
DIVISION OF RECORD DANIEL J. RAU ENGINEER'S EXPIRATION CIVIL ENGINEER REGISTRATION NUMBER STATE OF FLORIDA #0063636		COMMENTS NONE		DRP NONE	VMA NONE	VMA NONE	7/2/10 NONE
SHEET 4 OF 7		EMB325D TEST LOUVER ALTERNATE ATTACHMENT TABLES		60-022167-04D			



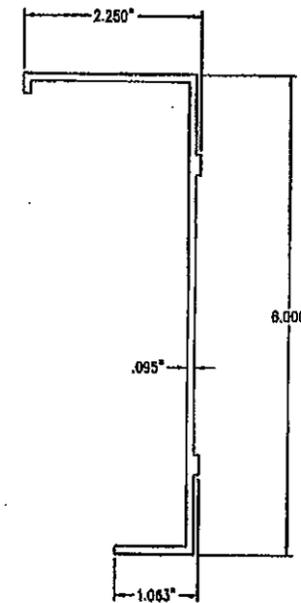
ITEM 1 - HEAD FRAME
RUSKIN 70-021955-008



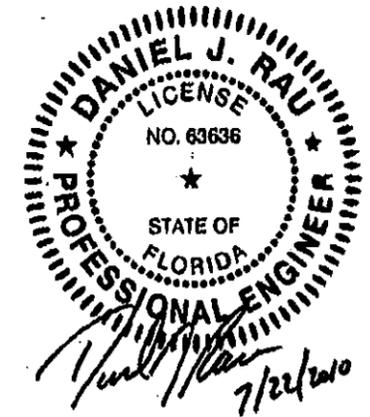
ITEM 3 - SILL FRAME
RUSKIN 70-02228-008



ITEM 2 - LOUVER BLADE
RUSKIN 70-021488-008



ITEM 4 - JAMB FRAME
RUSKIN 70-02227-008



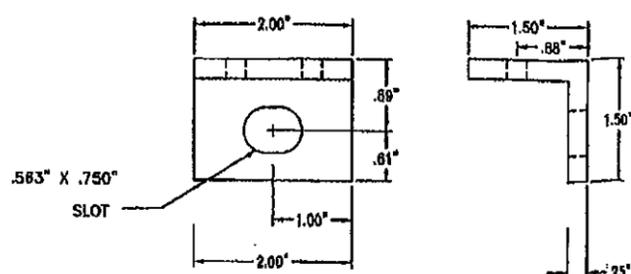
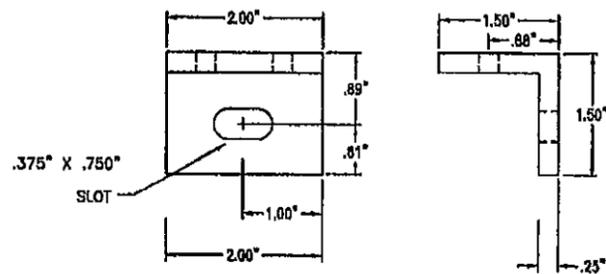
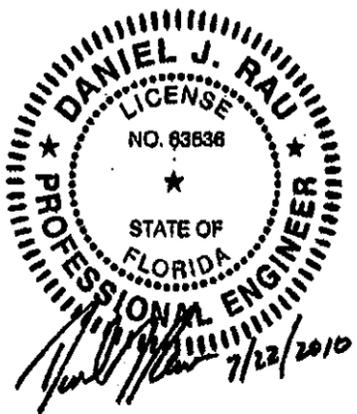
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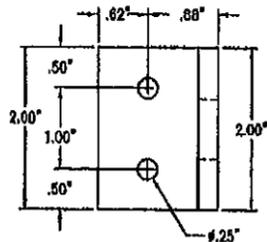
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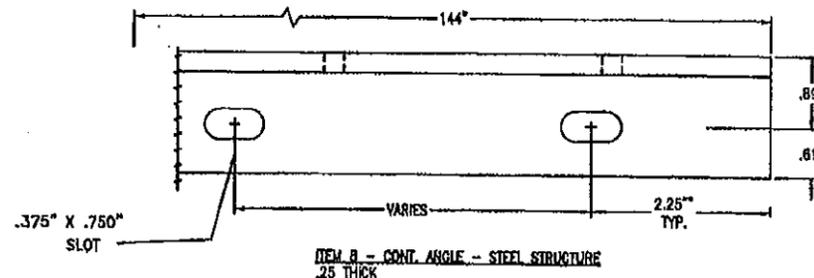
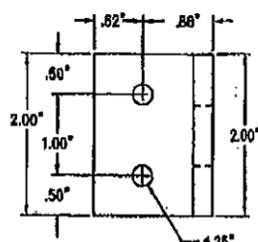
OWNER OF RECORD DANIEL J. RAU		ENGINEERING DISCIPLINE CIVIL ENGINEER		REGISTRATION NUMBER STATE OF FLORIDA #0063636	
DATE	BY	DATE	BY	DATE	BY
8/9/09	VMA	8/14/10	DJR	8/14/10	DJR
REVISION DESCRIPTION		DATE	BY	DATE	BY
NONE					
EMEB325D TEST LOUVER ALTERNATE ATTACHMENT TABLES		DATE		DATE	
		60-022167-05D			



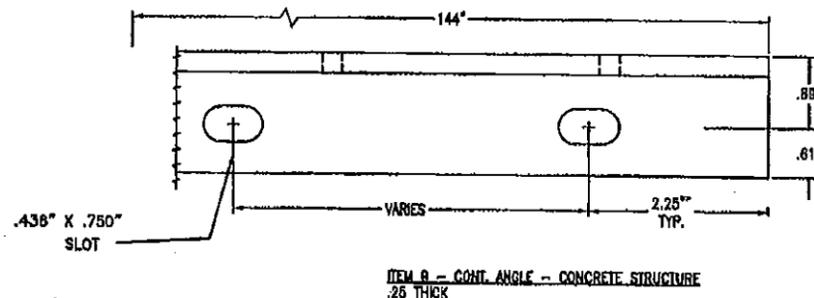
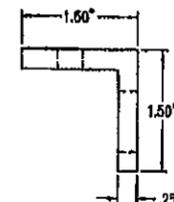
ITEM 5 - CLIP ANGLE
STEEL STRUCTURE



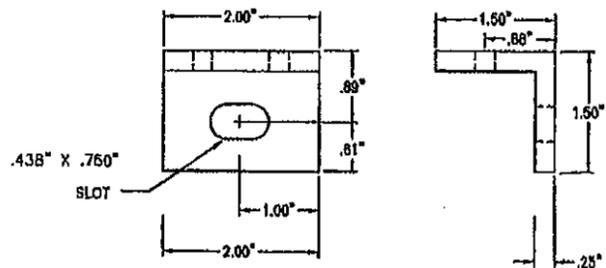
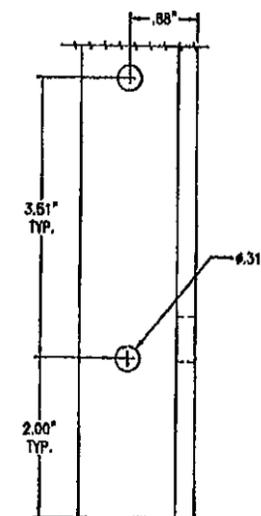
ITEM 7 - CLIP ANGLE
CONCRETE STRUCTURE



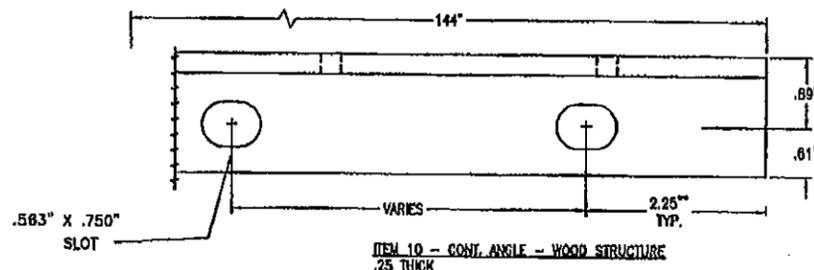
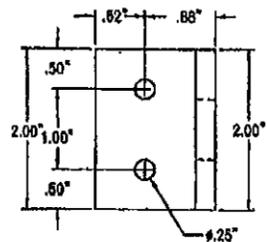
ITEM 8 - CONT. ANGLE - STEEL STRUCTURE
.25 THICK



ITEM 9 - CONT. ANGLE - CONCRETE STRUCTURE
.25 THICK



ITEM 6 - CLIP ANGLE
WOOD STRUCTURE



ITEM 10 - CONT. ANGLE - WOOD STRUCTURE
.25 THICK

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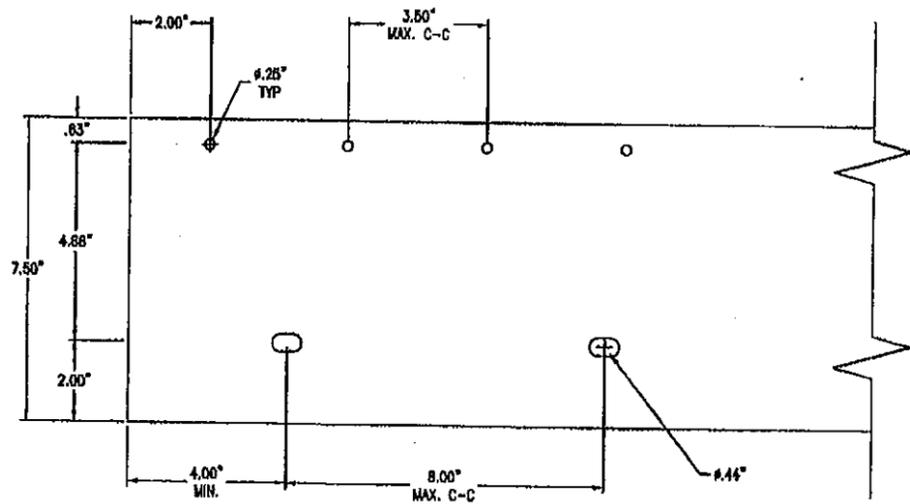
Approved as complying with the
Florida Building Code
Date 08/25/2010
NOAR 10-1622-01
Miami Dade Product Control
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By *[Signature]*

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

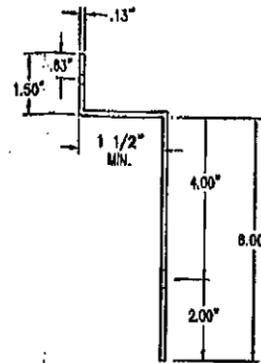
DATE	BY	REVISION
8/9/09	DJR	REVISED TO BE IN ACCORDANCE WITH 2010
8/24/10	DJR	REVISED TO BE IN ACCORDANCE WITH 2010

①	MODIFIED COMMENTS	DRP	VMA	VMA	1/21/10
DRP	ISSUED DESCRIPTION	DATE	DATE	DATE	DATE
DRP	ISSUED DESCRIPTION	DATE	DATE	DATE	DATE
DRP	ISSUED DESCRIPTION	DATE	DATE	DATE	DATE
DRP	ISSUED DESCRIPTION	DATE	DATE	DATE	DATE
DRP	ISSUED DESCRIPTION	DATE	DATE	DATE	DATE

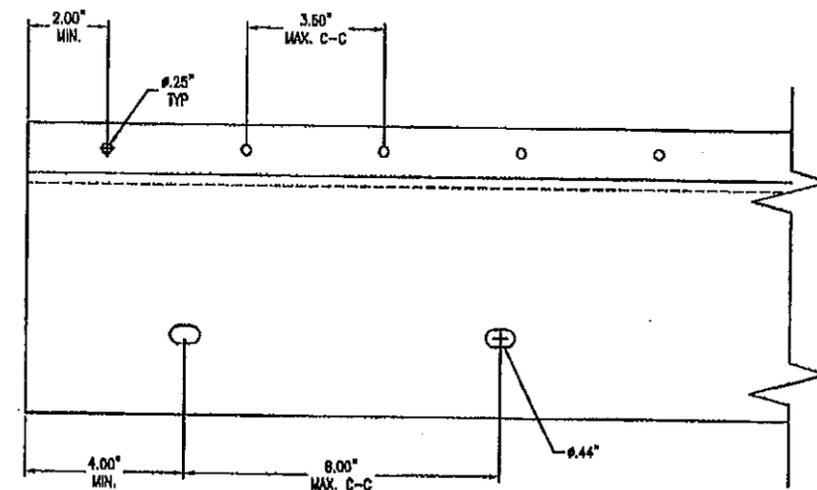
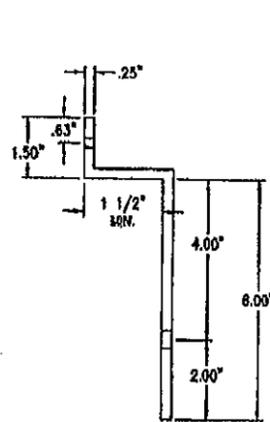
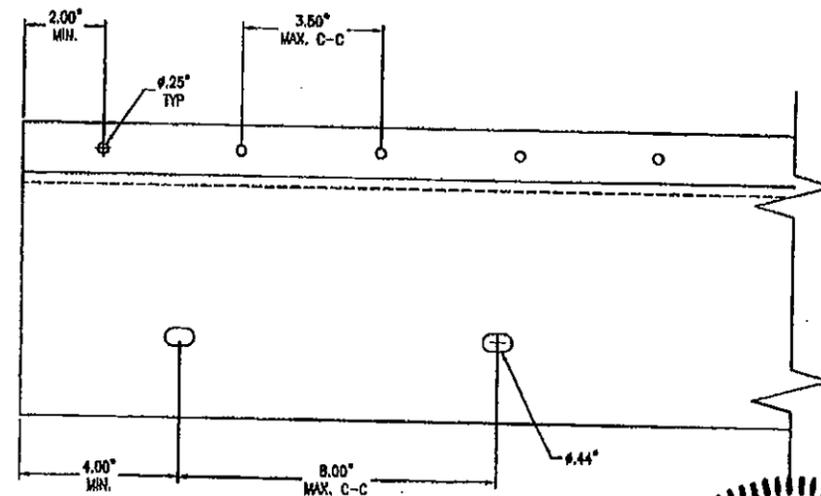
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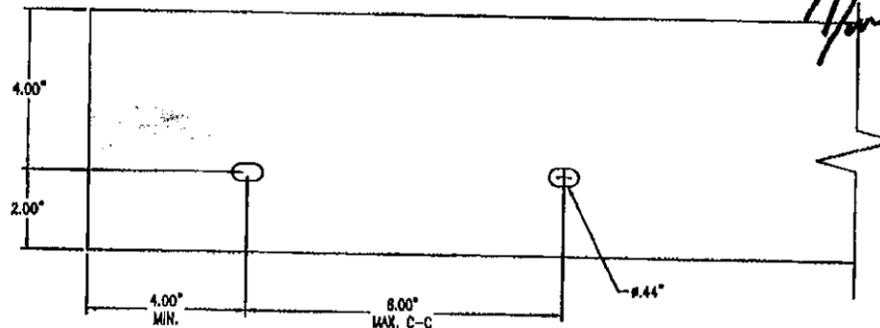
ITEM 11 - CONT. FLAT PLATE
 .25 THICK - 5052-H32 AL
 REQUIRES ITEM #14 FOR LOUVERS OVER 84" IN HEIGHT



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\"/>

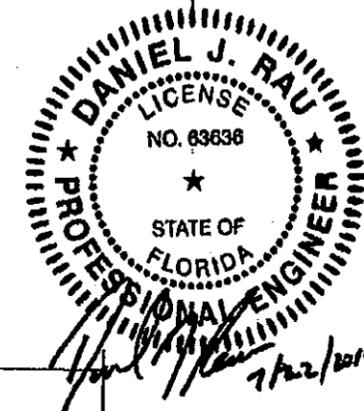


TABLE #2			
LOUVER HEIGHT	ITEM #12 Z PLATE THICKNESS	MATERIAL	NOTE
6" - 21"	.125"	3003-H14 AL	-
21" - 84"	.25"	5052-H32 AL	-
84" - 120"	.25"	5052-H32 AL	NEED ITEM #14

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 Florida Building Code
 Date 08/25/2010
 NOA# 10-0622-01
 Miami Dade Product Control
 By *[Signature]*

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

DATE: 8/9/08, 8/14/10, 8/14/10
 SHEET 7 OF 7

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

NO. COMMENTS	DRP	VMA	VMA	T/D/P
EMEB325D TEST LOUVER ALTERNATE ATTACHMENT TABLES				

60-022167-07D