



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
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/economy

Reliable Products

1300 Enterprise Rd. (PO Box 580)
Geneva, AL 36340

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 RER - 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. RER 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 6DDWRDC Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022472-01D to 07D**, titled "6DDWRDC Louver", sheets 1 through 7 of 7, dated 11/07/2017, prepared by Ruskin Company, signed and sealed by Theodore Berman, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and approval 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, Geneva, AL or Juarez, Chihuahua C. P., Mexico, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

LIMITATION: This louver has not been evaluated for compliance with the impact testing standard ANSI/AMCA 540.

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** and **revises** NOA # **17-1221.28** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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



NOA No. 20-1123.06
Expiration Date: August 25, 2026
Approval Date: July 8, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS

1. Drawing No. **60-022472-01D to 07D**, titled "6DDWRDC Louver", sheets 1 through 7 of 7, dated 11/07/2017, prepared by Ruskin Company, signed and sealed by Theodore Berman, P.E.

B. TESTS "*Submitted under NOA #16-0627.12*"

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 EME6325D Aluminum Louvers", prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-4024-01**, dated 04/21/2016, signed and sealed by Gerald J. Ferrara, P.E.

"Submitted under NOA # 10-0622.01"

2. 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.
3. Test report of Wind Driven Rain Resistance per TAS 100(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 #16-0627.12*"

1. Wind load review prepared by Ruskin Company, dated 07/06/2016, signed and sealed by Theodore Berman, P.E.

"Submitted under NOA # 15-0731.07"

2. Anchor verification calculations and structural analysis prepared by Ruskin Company, dated 07/28/2015, signed and sealed by Chelsea G. Welch, P.E.

"Submitted under NOA # 10-0622.01"

3. 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.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-1123.06
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D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS “Submitted under NOA # 17-1221.28”

1. Statement letter of code conformance to 6th edition (2017) FBC, prepared by Ted Berman and Associates, LLC, dated 12/11/2017, signed and sealed by Theodore Berman, P.E.
2. Statement letter of no financial interest, prepared by Ted Berman and Associates, LLC, dated 12/11/2017, signed and sealed by Theodore Berman, P.E.
3. Distributor agreement dated 11/22/2017.

“Submitted under NOA #16-0627.12”

4. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest issued by Ted Berman and Associates, LLC, dated 07/21/2016, signed and sealed by Theodore Berman, P.E.



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2. New evidence submitted

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

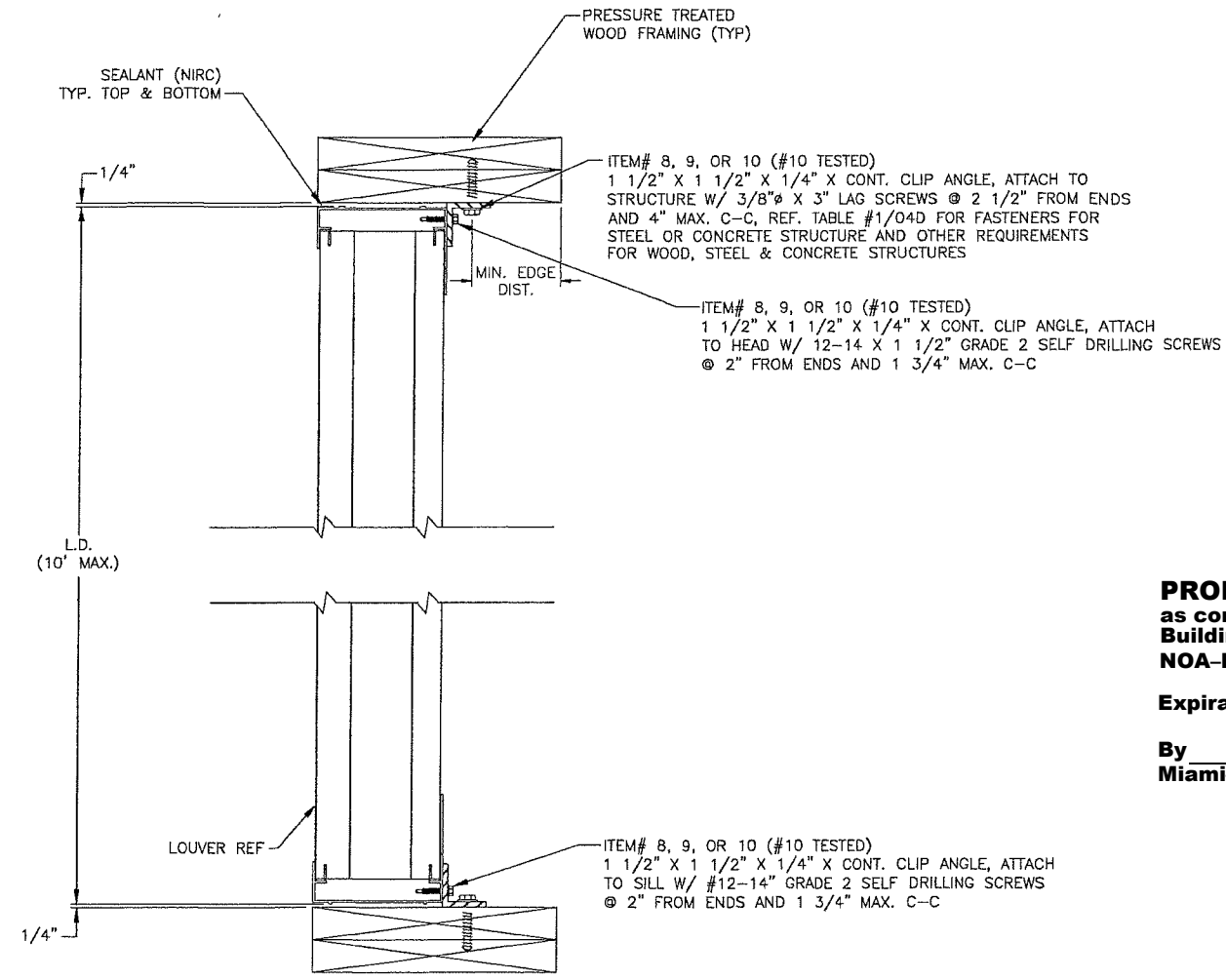
1. None.

F. STATEMENTS

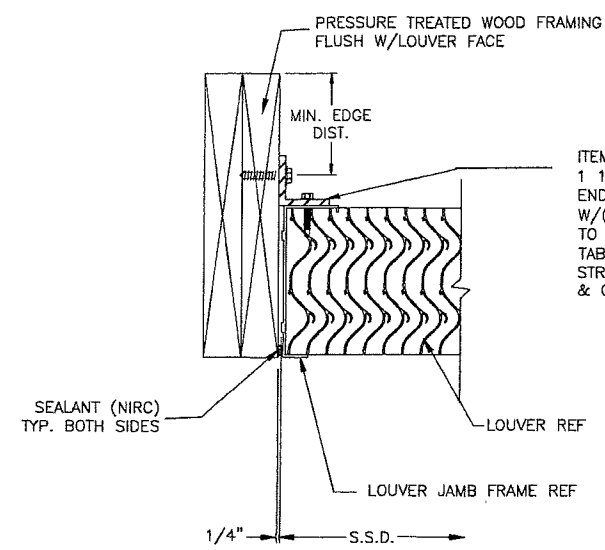
1. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest issued by Ted Berman and Associates, LLC, dated 10/27/2020, signed and sealed by Theodore Berman, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-1123.06
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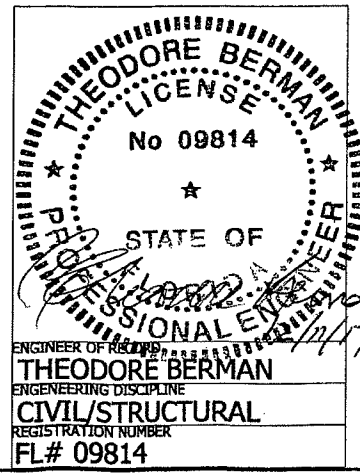


1 HEAD & SILL DETAIL: METHOD 1 - AS TESTED - WOOD FRAMING
 01D N.T.S.
 ALTERNATE STRUCTURE - STEEL FRAMING, CONCRETE

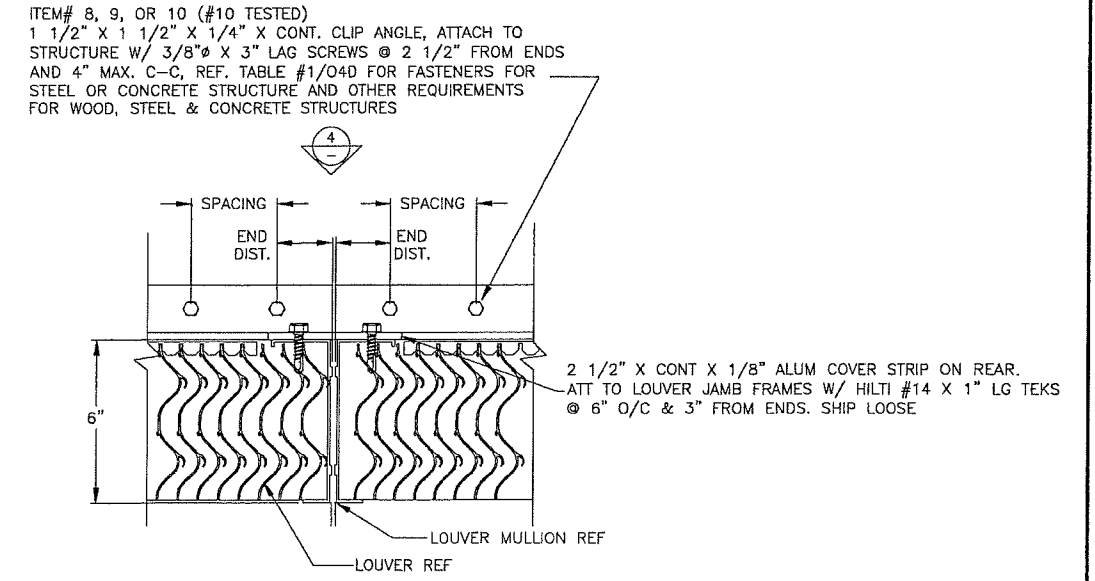


2 JAMB DETAIL: METHOD 1 - AS TESTED - WOOD FRAMING
 01D N.T.S.
 ALTERNATE STRUCTURE - STEEL FRAMING, CONCRETE

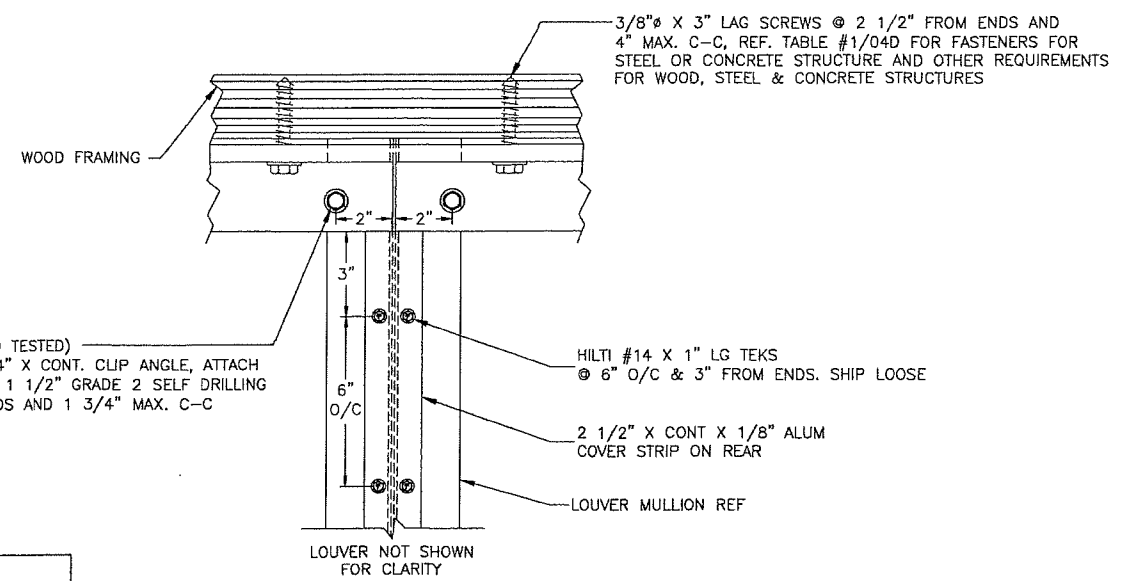
Ted Berman and Associates LLC
Certificate of Authorization 27502
7970 Biscayne Point Cir
Miami Beach, FL 33141
(305) 868-4707



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1123.06
Expiration Date 08/25/2026
 By *[Signature]*
Miami-Dade Product Control



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



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

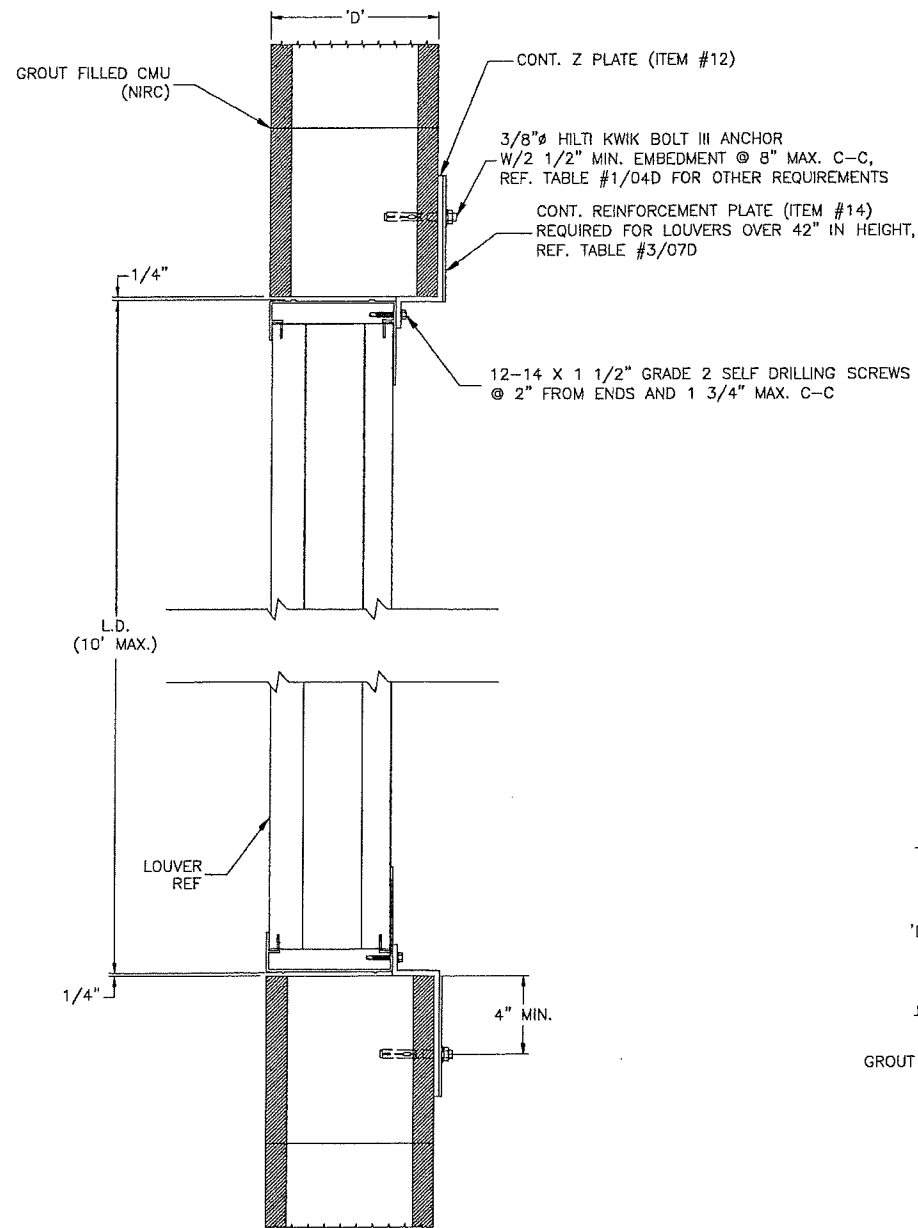
PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 17-1221.28
Approval Date 08/25/2021
 By *[Signature]*
Miami-Dade Product Control

CHANGE LETTER	REVISION DESCRIPTION	DATE	BY	APP'D. BY	DATE
1	RELIABLE	11/2/17	CJD	MM	11/2/17
2	6DDWRDC LOUVER WOOD, CONCRETE, STEEL INSTALLATION DETAILS	11/2/17	CJD	MM	11/2/17

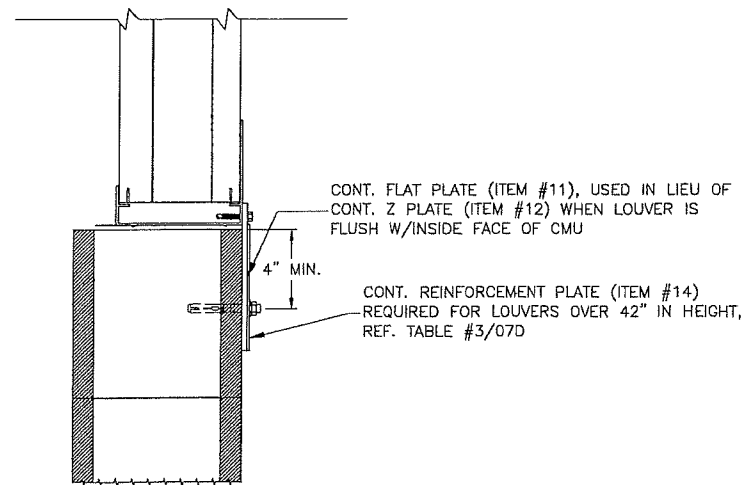
1300 ENTERPRISE ROAD
 GENEVA, AL 36340
 PROJECT INFORMATION

6DDWRDC LOUVER WOOD, CONCRETE, STEEL INSTALLATION DETAILS

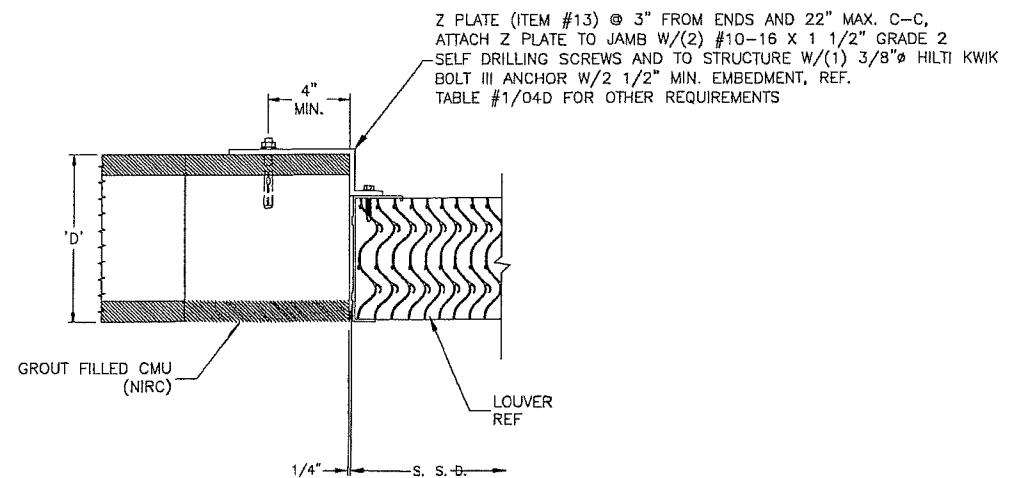
60-022472-02D



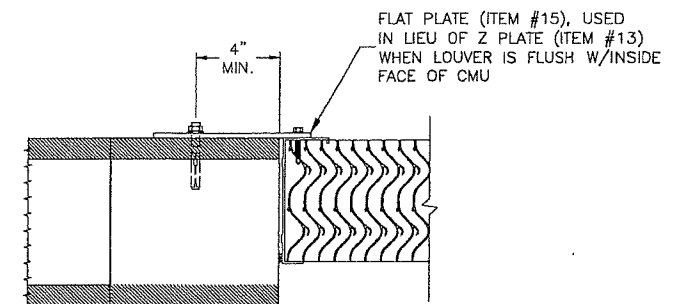
1A HEAD & SILL DETAIL: METHOD 2 - GROUT FILLED CMU (REF. NOTE 9)
01D N.T.S.



1B HEAD & SILL DETAIL: METHOD 2 - GROUT FILLED CMU (REF. NOTE 9)
N.T.S.

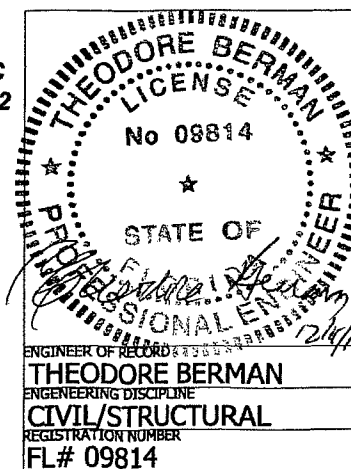


2A JAMB DETAIL: METHOD 2 - GROUT FILLED CMU (REF. NOTE 9)
01D N.T.S.



2B JAMB DETAIL: METHOD 2 - GROUT FILLED CMU (REF. NOTE 9)
01D N.T.S.

Ted Berman and Associates LLC
Certificate of Authorization 27502
7970 Biscayne Point Cir
Miami Beach, FL 33141
(305) 868-4707



FOR OFFICE USE ONLY

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 17-1221.28
Approval Date 08/25/2021
By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
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Building Code
NOA-No. 20-1123.06
Expiration Date 08/25/2026
By *[Signature]*
Miami-Dade Product Control

CHANGE LETTER	REVISION DESCRIPTION	CHKD. BY:	CHKD. DT:	APP'D. BY:	APP'D. DT:	DATE
1	RELIABLE					
2	1300 ENTERPRISE ROAD GENERAL AL 30340 PROPRIETARY INFORMATION					
3	6DDWRDC LOUVER CMU INSTALLATION DETAILS					
4						
5						
6						
7						
8						
9						
10						

SHEET 3 OF 7

60-022472-03D

TABLE #1: APPROVED ATTACHMENTS

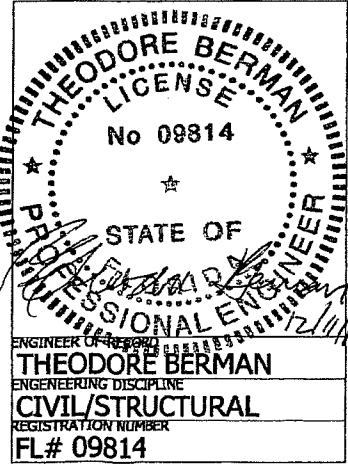
STRUCTURE	CONNECTION TYPE	ANGLE SLOT WIDTH	SPACING	MIN. EMBEDMENT	MIN. EDGE DIST.	END DIST.
(12 GA MIN.) STEEL FRAMING	¼"Ø A307 BOLT OR ¼"-14 GRADE 2 SDS	⅝"	3 ½" MAX. C-C	N/A	½"	2 ½"
(4" MIN.) CONCRETE (4000 PSI MIN.)	⅜"Ø HILTI KB TZ ANCHOR	⅞"	6" MAX. C-C	2"	3"	3"
GROUT FILLED CMU	⅜"Ø HILTI KB III ANCHOR	⅞"	8" MAX. C-C	2 ½"	4"	4" MIN.
(2 - 2 X 10) WOOD FRAMING (MIN. S.G. = 0.55)	3/8"Ø X 3" A307 LAG SCREW	7/16"	4" MAX. C-C	3"	2 ½"	2 ½"

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

TABLE #2: DRAWING CROSS REFERENCE

ITEM	DRAWING	MATERIAL	DESCRIPTION	RELIABLE #
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	70-022627-00B
4	60-022167-05D	6063-T6 AL	JAMB FRAME	70-022227-00B
5	60-022167-06D	6063-T6 AL	CLIP ANGLE (STEEL STRUCTURE)	-
6	60-022167-06D	6063-T6 AL	CLIP ANGLE (CONCRETE STRUCTURE)	-
7	60-022167-06D	6063-T6 AL	CLIP ANGLE (WOOD STRUCTURE)	-
8	60-022167-06D	6063-T6 AL	CONT. CLIP ANGLE (STEEL STRUCTURE)	-
9	60-022167-06D	6063-T6 AL	CONT. CLIP ANGLE (CONCRETE STRUCTURE)	-
10	60-022167-06D	6063-T6 AL	CONT. CLIP ANGLE (WOOD STRUCTURE)	-
11	60-022167-07D	3003-H14 AL	HEAD/SILL CONT. FLAT PLATE (CMU STRUCTURE)	-
12	60-022167-07D	3003-H14 AL	HEAD/SILL CONT. Z PLATE (CMU STRUCTURE)	-
13	60-022167-07D	3003-H14 AL	JAMB Z PLATE (CMU STRUCTURE)	-
14	60-022167-07D	REF. TABLE#3	CONT. REINFORCEMENT PLATE (CMU STRUCTURE)	-
15	60-022167-07D	3003-H14 AL	JAMB FLAT PLATE (CMU STRUCTURE)	-

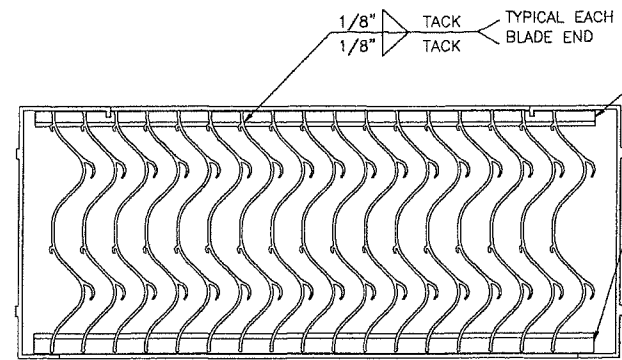
Ted Berman and Associates LLC
Certificate of Authorization 27502
7970 Biscayne Point Cir
Miami Beach, FL 33141
(305) 868-4707



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 17-1221.28
Approval Date 08/25/2021
By *[Signature]*
Miami-Dade Product Control

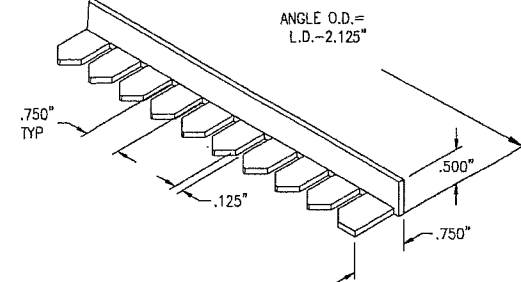
PRODUCT REVISED
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NOA-No. 20-1123.06
Expiration Date 08/25/2026
By *[Signature]*
Miami-Dade Product Control

CHANGE LETTER	REVISION DESCRIPTION	CHK'D BY:	CHK'D BY:	APP'D BY:	APP'D BY:	DATE
1	1300 ENTERPRISE ROAD CORP. AL 38 340 PROPRIETARY INFORMATION	NONE	ECN	-		
SHEET 4 OF 7		6DDWRDC LOUVER APPROVED ATTACHMENTS & DWG. CROSS REF. TABLES		60-022472-04D		

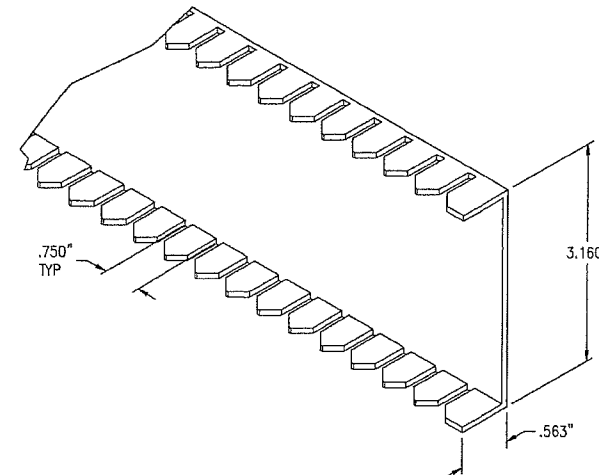


BLADE ANGLE ATTACHMENT DETAIL
N.T.S.

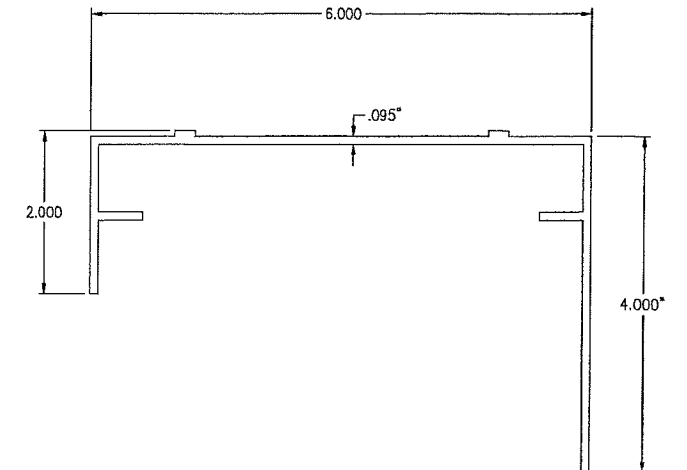
EXTRUDED BLADE ANGLE
REF ITEM "A"



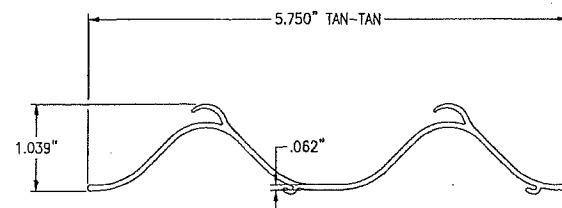
ITEM A - EXTRUDED BLADE ANGLE
RELIABLE# RSM7001



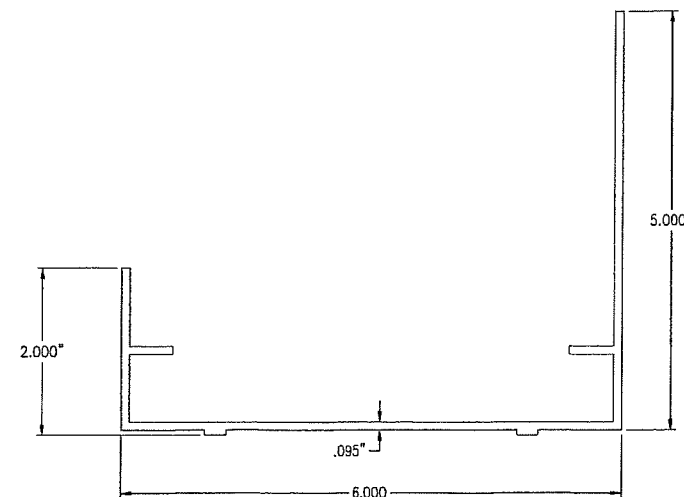
ITEM B - H.H.B.S.
RELIABLE# RSM7001



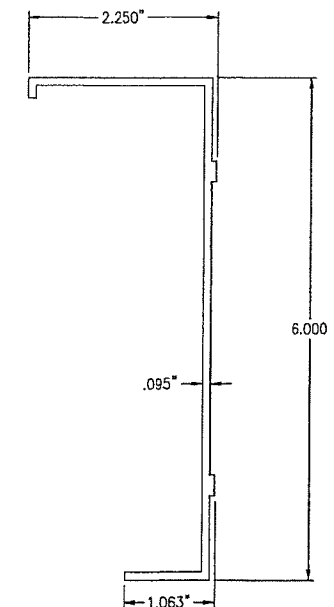
ITEM 1 - HEAD FRAME
RELIABLE# 70-021995-00B



ITEM 2 - BLADE
RELIABLE# 70-021868-00B

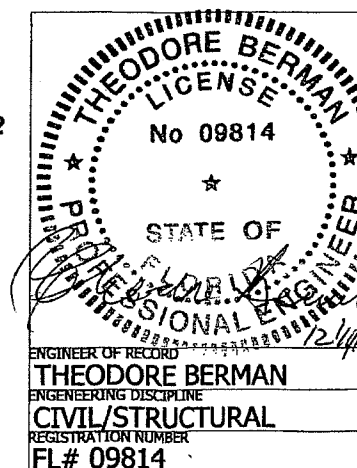


ITEM 3 - SILL FRAME
RELIABLE# 70-022627-00B



ITEM 4 - JAMB FRAME
RELIABLE# 70-022227-00B

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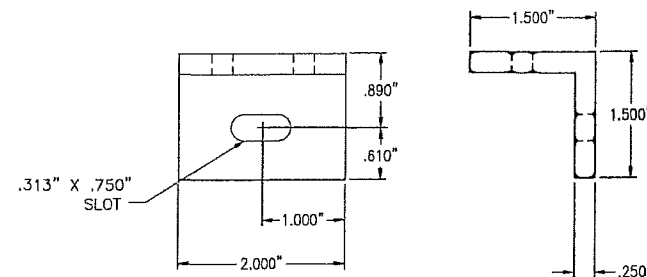
PRODUCT APPROVED
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By *[Signature]*
Miami-Dade Product Control

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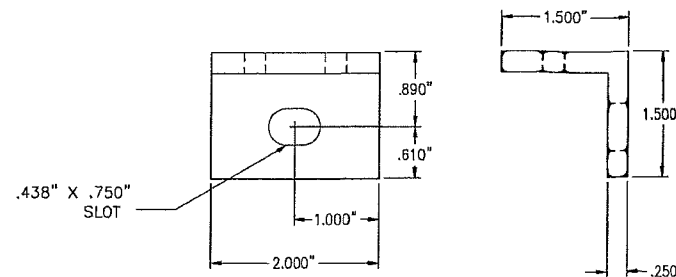
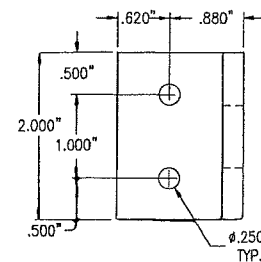
CHANGE LETTER	REVISION DESCRIPTION	DWG. BY	CHK'D. BY	APP'D. BY	DATE

DATE: 11/2/21	DATE: 11/2/21	DATE: 11/2/21	DATE: 11/2/21	DATE: 11/2/21
BY: NLT	BY: CJD	BY: MMM	BY: MMM	BY: MMM
DATE: 11/2/21	DATE: 11/2/21	DATE: 11/2/21	DATE: 11/2/21	DATE: 11/2/21

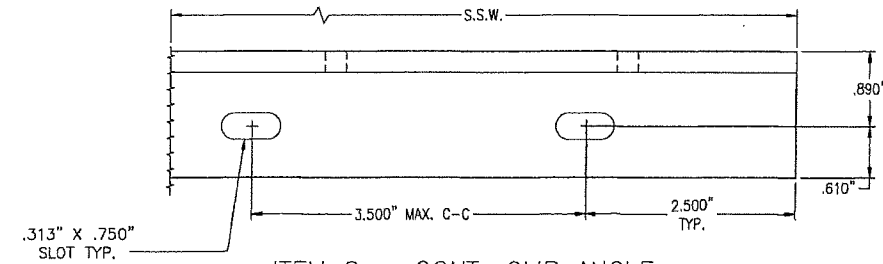
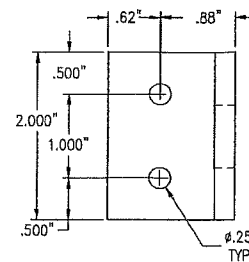
RELIABLE	1300 ENTERPRISE ROAD CORONA, AL 33040	PLOT SCALE NONE	ECN -
TITLE 6DDWRDC LOUVER PART DETAILS		DWS. NO. 60-022472-05D	



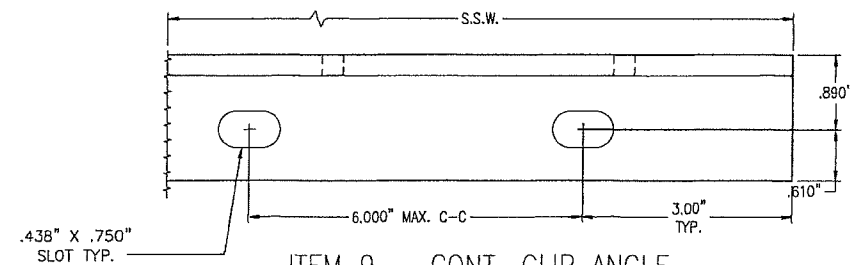
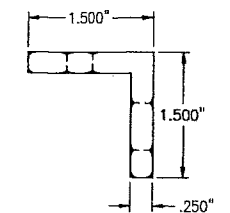
ITEM 5 - CLIP ANGLE
STEEL STRUCTURE



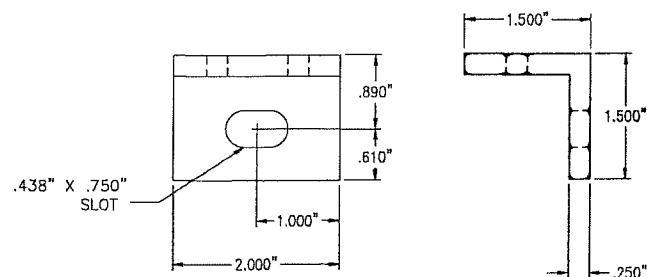
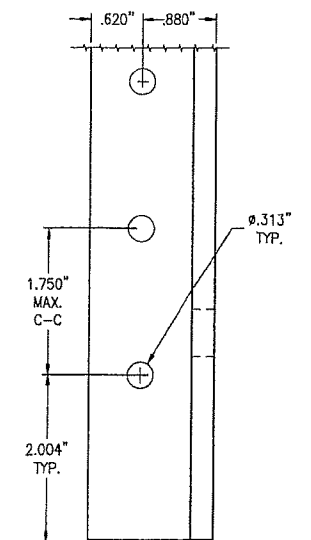
ITEM 7 - CLIP ANGLE
WOOD STRUCTURE



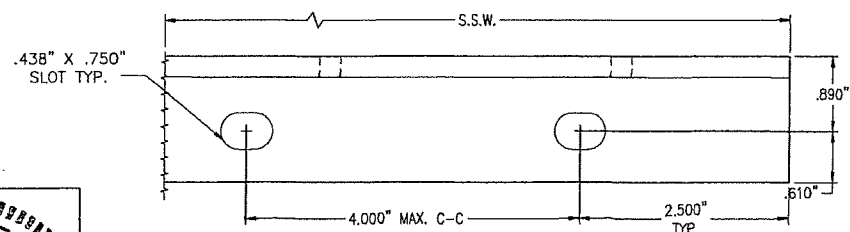
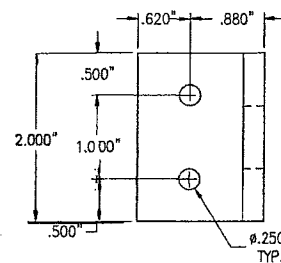
ITEM 8 - CONT. CLIP ANGLE
.25\"/>



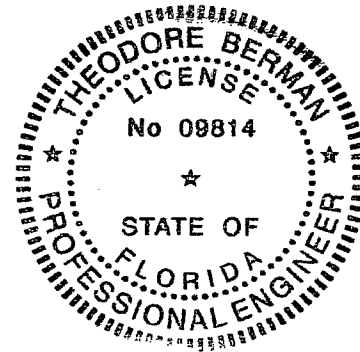
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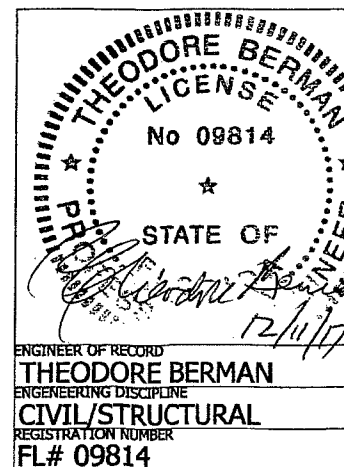
ITEM 6 - CLIP ANGLE
CONCRETE STRUCTURE



ITEM 10 - CONT. CLIP ANGLE
.25\"/>



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Approval Date **08/25/2021**
By *[Signature]*
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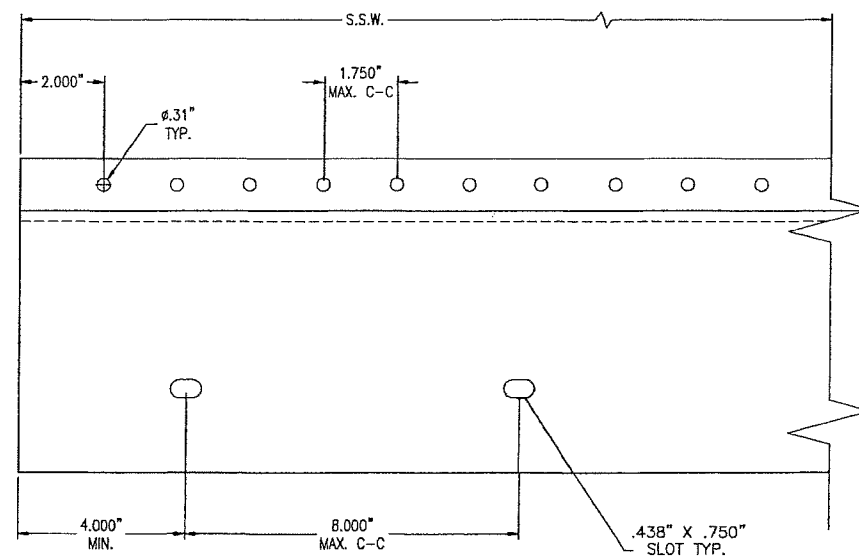
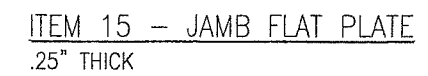
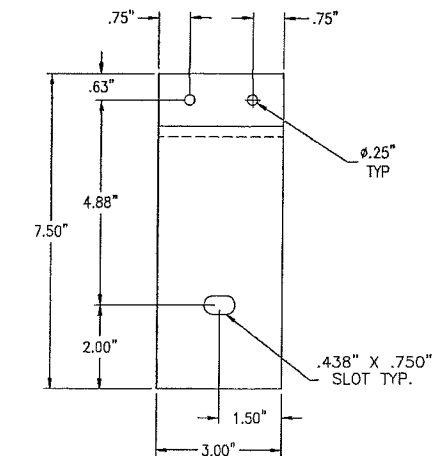
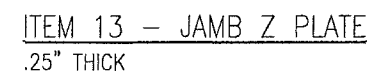
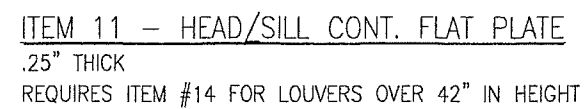
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **20-1123.06**
Expiration Date **08/25/2026**
By *[Signature]*
Miami-Dade Product Control

DATE	BY	DATE	BY	DATE	BY
11/2/17	NLT	11/2/17	CJD	11/2/17	MM
11/2/17		11/2/17		11/2/17	

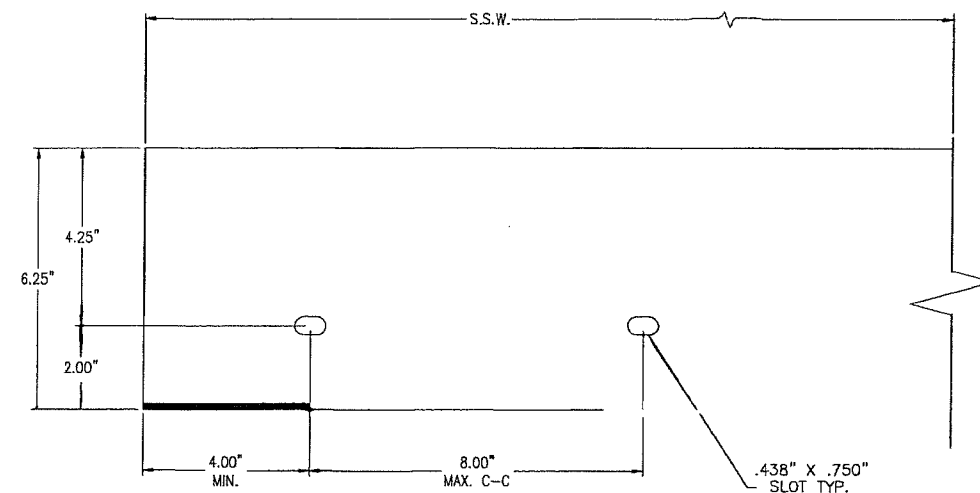
CHANGE LETTER	REVISION DESCRIPTION	DATE	BY	DATE	BY
REL/ABLE	1300 ENTERPRISE ROAD GENEVA, AL 36340 PROPRIETARY INFORMATION	NONE	ECN	-	
TITLE		6DDWRDC LOUVER PART DETAILS		ENG. NO.	

SHEET 6 OF 7

60-022472-06D

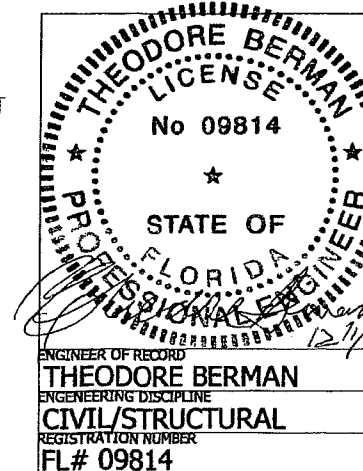


ITEM 12 - HEAD/SILL CONT. Z PLATE
 .25" THICK
 REQUIRES ITEM #14 FOR LOUVERS OVER 42" IN HEIGHT



ITEM 14 - CONT. REINFORCEMENT PLATE
REF. TABLE #3

TABLE #3		
LOUVER HEIGHT	ITEM #14 PLATE THICKNESS	MATERIAL
42" - 96"	.125"	5005-H34 AL
96" - 120"	.25"	3003-H14 AL



FOR OFFICE USE ONLY

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **17-1221.28**

Approval Date 08/25/2021

By 
Miami-Dade Product Control

Ted Berman and Associates LLC
Certificate of Authorization 27502
7970 Biscayne Point Cir
Miami Beach, FL 33141
(305) 868-4707

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 20-1123.06

Expiration Date 08/25/2026

By 
Miami-Dade Product Control

DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u> SCALE: <u> </u> SHEET NO. <u> </u> OF <u> </u>	DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>		DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>		DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>		DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>	
	DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>		DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>		DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>		DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u>	
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