



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 a div. of Ruskin Company
1300 Enterprise Road
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 6RRSVDC Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022493-00D**, titled "6RRSVDC Installation", sheets 1 through 17 of 17, prepared by the manufacturer, dated 06/18/2018, with revision dated 11/29/2021, signed and sealed by Jeffrey D. Smith, P.E. on 03/14/2022, 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, Geneva, AL and Juarez, Mexico, 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 # **22-0203.05** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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




02/07/24

NOA-No. 23-1116.22
Expiration Date: January 28, 2027
Approval Date: February 15, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED NOA # 18-0821.08

A. DRAWINGS

1. Drawing No. **60-022493-00D**, titled “6RRSVDC Installation”, sheets 1 through 13 of 13, prepared by the manufacturer, dated 06/18/2018, signed and sealed by Melissa M. Massar, P.E.

B. TESTS

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 203-94along with marked-up drawings and installation diagram of Model EME6625D Aluminum Fixed Shaped Louver, prepared by National Certified Testing Laboratories, Report No. **NCTL-210-4113-03**, dated 06/13/2018, signed and sealed by Douglas J. McDougall, P.E.
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 203-94along with marked-up drawings and installation diagram of Model EME6625D Aluminum Rectangular Louver, prepared by National Certified Testing Laboratories, Report No. **NCTL-210-4113-01**, dated 06/13/2018, signed and sealed by Douglas J. McDougall, P.E.
3. Test Report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 on a Model EME6625D vertical aluminum louver, prepared by Intertek, Report No. **H9969.02-801-44R3**, dated 03/05/2018, revised on 06/15/2018, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Wind load review prepared by the manufacturer, dated 07/06/2018, signed and sealed by Melissa M. Massar, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 23-1116.22
Expiration Date: January 28, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC issued by the manufacturer, dated 07/06/2018, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of no financial interest issued by the manufacturer, dated 07/06/2018, signed and sealed by Melissa M. Massar, P.E.

2. EVIDENCE SUBMITTED PREVIOUS NOA # 18-1106.02

A. DRAWINGS

1. Drawing No. **60-022493-00D**, titled “6RRSVDC Installation”, sheets 1 through 13 of 13, prepared by the manufacturer, dated 06/18/2018, signed and sealed by Melissa M. Massar, P.E.

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. Private label agreement dated 10/01/2018.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 23-1116.22
Expiration Date: January 28, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER NOA # 18-1106.02 AND # 20-0909.10

A. DRAWINGS

1. Drawing No. **60-022493-00D**, titled “6RRSVDC Installation”, sheets 1 through 13 of 13, prepared by the manufacturer, dated 06/18/2018, signed and sealed by Melissa M. Massar, P.E.

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) FBC issued by the manufacturer, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of no changes and not been affected by any changes in the 2020 FBC issued by the manufacturer, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 23-1116.22
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Reliable Products a div. of Ruskin Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER NOA # 22-0203.05 AND NEW

A. DRAWINGS “Submitted under NOA # 22-0203.05”

1. Drawing No. **60-022493-00D**, titled “6RRSVDC Installation”, sheets 1 through 17 of 17, prepared by the manufacturer, dated 06/18/2018, with revision dated 11/29/2021, signed and sealed by Jeffrey D. Smith, P.E. on 03/14/2022.

B. TESTS

1. None.

C. CALCULATIONS “Submitted under NOA # 22-0203.05”

1. Louver Wind load review prepared by Ruskin Company, dated 12/17/2021, signed and sealed by Jeffrey D. Smith, P.E. .

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 8th edition (2023) of the FBC, issued by Reliable Products a div. of Ruskin Company, dated 11/01/2023, signed and sealed by Jeffrey D. Smith, P.E.

“Submitted under NOA # 22-0203.05”

2. Statement letter of code conformance to the 7th edition (2020) of the FBC, issued by Ruskin Company, dated 12/17/2021, signed and sealed by Jeffrey D. Smith, P.E.
3. Statement letter of no financial interest, issued by Ruskin Company, dated 12/17/2021, signed and sealed by Jeffrey D. Smith, P.E.
4. Private label agreement dated 01/17/2022.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 23-1116.22
Expiration Date: January 28, 2027
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PARTS LIST			
FOR STANDARD LOUVER			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	.095" THK EXTRUDED ALUM.	6063-T6
2	SILL FRAME	.095" THK EXTRUDED ALUM.	6063-T6
3	JAMB FRAME	.095" THK EXTRUDED ALUM.	6063-T6
4	BLADE	.080" THK EXTRUDED ALUM.	6063-T6
5	CORE ANGLE	.080" THK EXTRUDED ALUM.	6063-T6
6	H.H.B.S.	.080" THK EXTRUDED ALUM.	6063-T6
MULTI SECTION CONNECTION PARTS (SHIPPED LOOSE)			
7	SPICE PLATE	.125" THK EXTRUDED ALUM.	6063-T6
8	#12-14 X 3/4" LG "HWH" TYPE "SDS"	410SS	-
STANDARD LOUVER W/ CHANNEL INSTALL (SHIPPED LOOSE)			
9	INSTALL CHANNEL	.188" THK FORMED ALUM.	3003-H14 OR 5005-H34
10	CONT. RETAINING ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
11	1/4-14 X 1 1/2" LG "HWH" TYPE "SDS"	410SS	-
FOR SHAPED LOUVER			
12	EXTERIOR FRAME	.080" THK EXTRUDED ALUM.	6063-T4
13	WATER STOP	.080" THK FORMED ALUM.	3003-H14 OR 5005-H34
INSTALLATION PARTS (SHIPPED LOOSE)			
14	CONT. ATTACHMENT ANGLE ALTERNATE ATTACHMENT	.250" THK EXTRUDED ALUM.	6063-T6
15	CONT. ZEE	.250" THK FORMED ALUM.	3003-H14
16	3" ALTERNATE ATTACHMENT ZEE CLIP	.250" THK FORMED ALUM.	3003-H14
17	ALTERNATE ATTACHMENT CONT. FLAT PLATE	.250" THK ALUM.	3003-H14
18	ALTERNATE ATTACHMENT CONT. STIFFENER PLATE	.125" THK ALUM.	5005-H34
19	ATTACHMENT CLIP ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
20	3" ALTERNATE ATTACHMENT FLAT PLATE	.250" THK ALUM.	3003-H14
21	ALTERNATE CONT. RET. ANGLE 2"	.250 THK ALUM.	3003-H14
22	ALTERNATE CONT. RET. ANGLE 3" X 5"	.250 THK ALUM.	3003-H14
23	ALTERNATE. RET. ANGLE 2"	.250 THK ALUM.	3003-H14
24	ALTERNATE RET. ANGLE 3" X 5" x 2"	.250 THK ALUM.	3003-H14
25	#10-16 X 1 1/2" LG "HWH" TYPE "SDS"	410SS	-
26	SUBSTRATE FASTENER (RECT. LOUVER)(BY OTHERS)	VARIES REF TABLE 1/17 & 2/17	-
27	SUBSTRATE FASTENER (SHAPED LOUVER)(BY OTHERS)	VARIES REF TABLE 3/17	-
UNIVERSAL SLEEVE PARTS LIST			
28	FRONT FLANGE UNIVERSAL SLEEVE	.125 THK FORMED ALUM	5005-H34
29	HEAD FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
30	SILL FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
31	JAMB FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6

N.T.S.
CHANNEL FRAME REF. SHEETS 02 THRU 05
CHANNEL INSTALL AND UNIVERSAL SLEEVE
REF. SHEETS 06 & 07

Expiration Date 01/28/2027

ABBREVIATIONS:

DRAWING INDEX:

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ± 0.10
2 PLACE .XX ± 0.20
FRACTION DIMENSIONS: $\pm 1/16$
ANGLE DIMENSIONS $\pm 2^\circ$
USE WQ-007 & 008
UNLESS SPECIFIED OTHERWISE


DOWN. BY: CJD	CHK. BY: RDF	APPV'D. BY:	APPV'D. BY: MMM
DATE: 6/15/18	DATE: 6/18/18	DATE: 6/18/18	DATE:

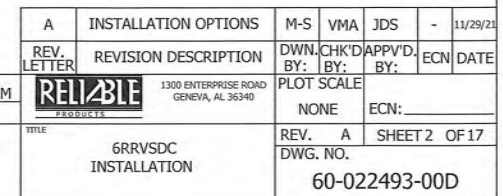
NOTES, PARTS LIST & DRAWING INDEX

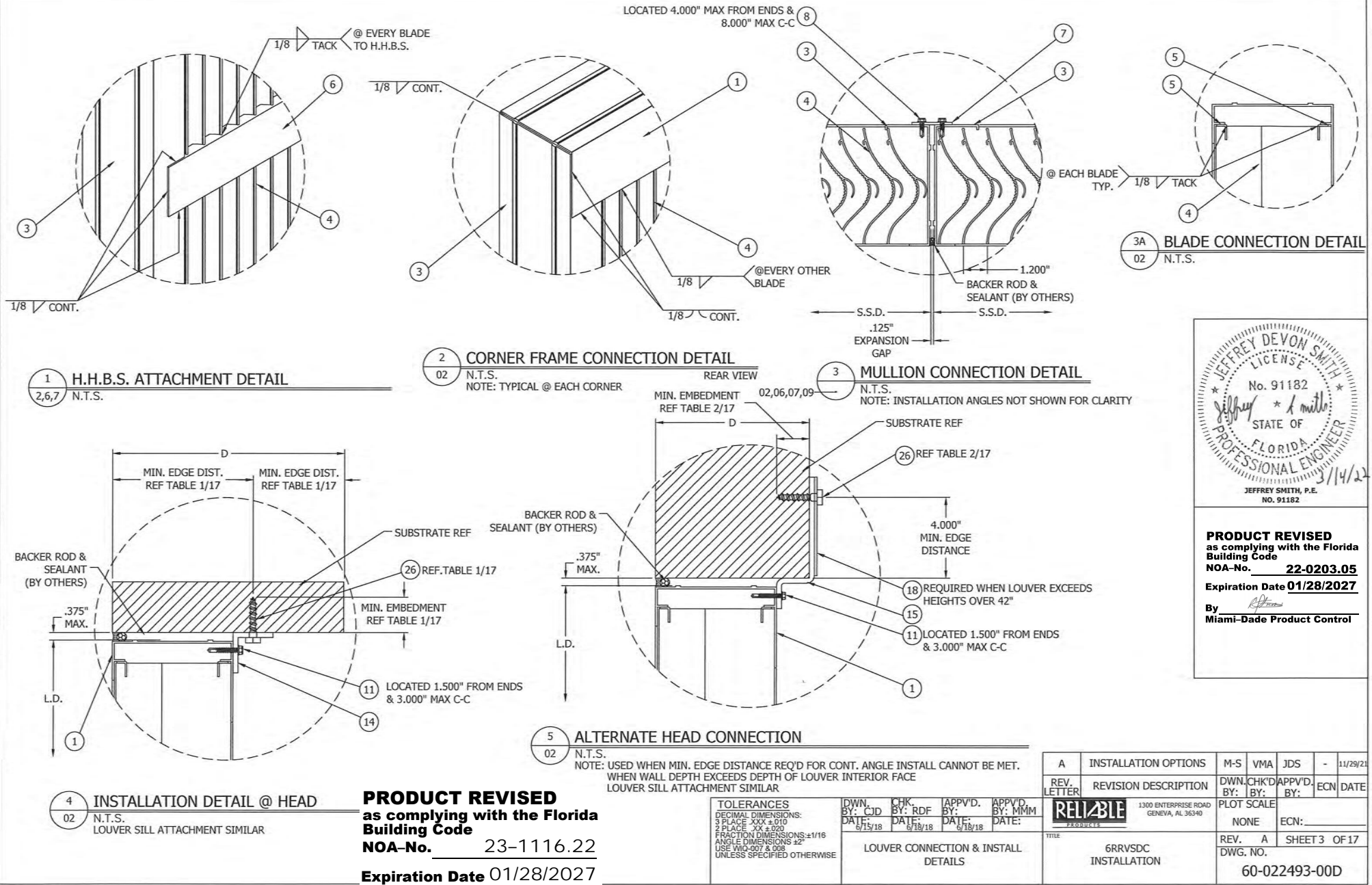
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **22-0203.05**

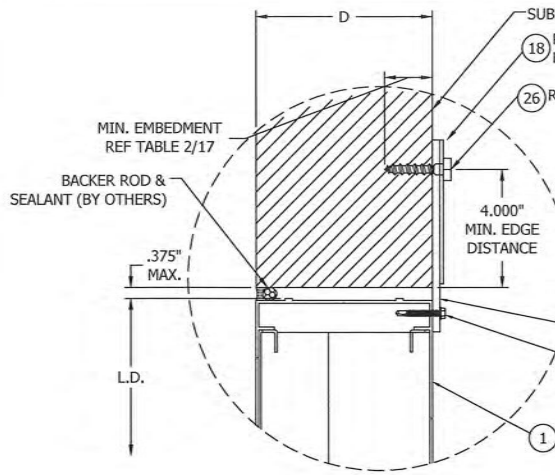
Expiration Date 01/28/2027

By *R. Torres*
Miami-Dade Product Control

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D BY:	APP'V'D BY:	ECN	DATE	
M	 1300 ENTERPRISE ROAD GENEVA, AL 36340	PLOT SCALE		ECN: _____		
		NONE				
X	TITLE 6RRVSDC INSTALLATION	REV. A	SHEET 1 OF 17			
		DWG. NO.		60-022493-00D		



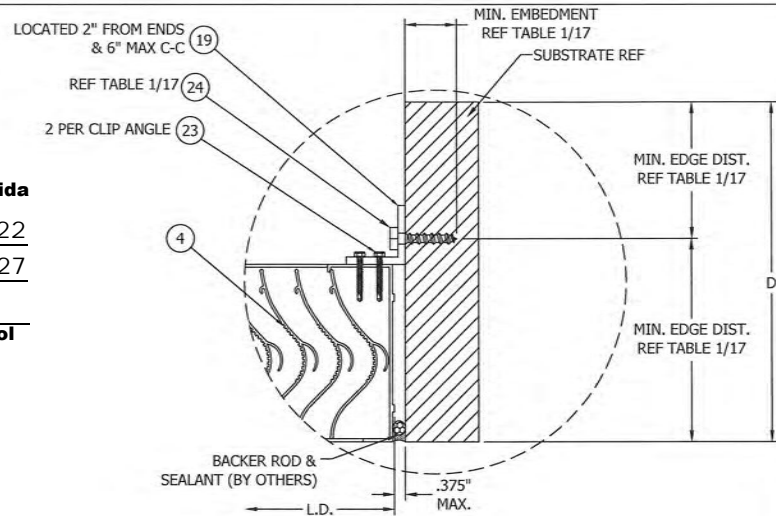




PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.22

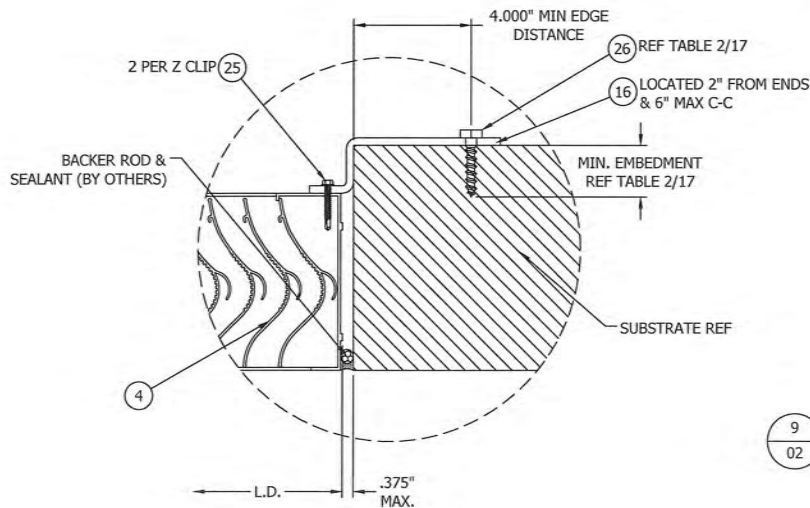
Expiration Date 01/28/2027

By *[Signature]*
Miami-Dade Product Control



6 ALTERNATE HEAD CONNECTION

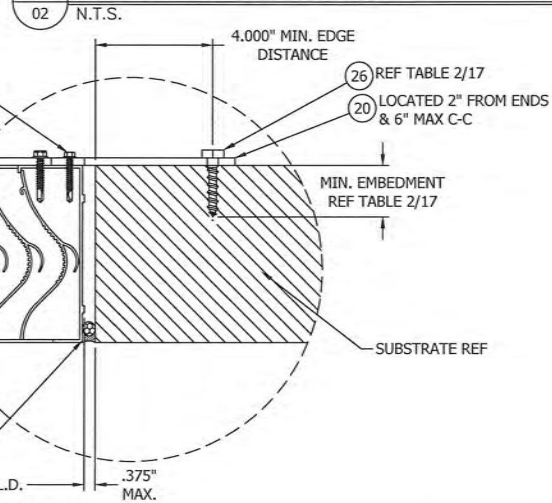
02 N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CONT. ANGLE INSTALL CANNOT BE MET.
WHEN WALL DEPTH EQUAL TO DEPTH OF INTERIOR FACE OR LOUVER OFFSET IS FLUSH W/ INTERIOR WALL
LOUVER SILL ATTACHMENT SIMILAR



8 ALTERNATE JAMB CONNECTION

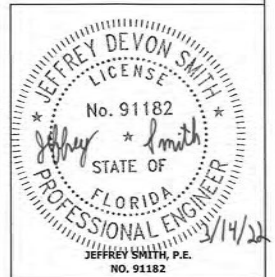
02 N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CLIP ANGLE INSTALL CANNOT BE MET.
WHEN WALL DEPTH EXCEEDS DEPTH OF LOUVER INTERIOR FACE

7 INSTALLATION DETAIL @ JAMBS



9 ALTERNATE JAMB CONNECTION

02 N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CLIP ANGLE INSTALL CANNOT BE MET.
WHEN WALL DEPTH EQUAL DEPTH OF LOUVER INTERIOR FACE



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05

Expiration Date 01/28/2027

By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE XXX ±.010
2 PLACE XX ±.020
FRACTION DIMENSIONS: 1/16
ANGLE DIMENSIONS ±2°
USE VMA-007 & 008
UNLESS SPECIFIED OTHERWISE

APPV'D. BY: CJD
DATE: 6/15/18
CHK. BY: RDF
DATE: 6/18/18
APPV'D. BY: MDM
DATE: 6/18/18

ALTERNATE ATTACHMENT DETAILS

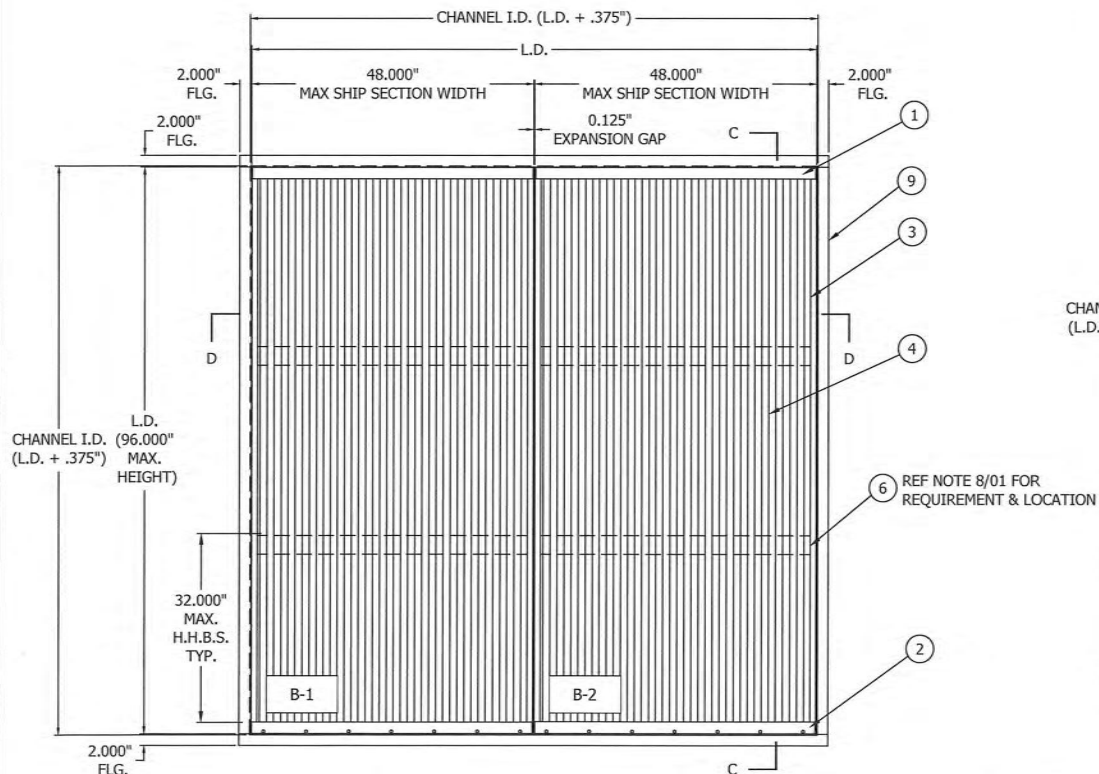
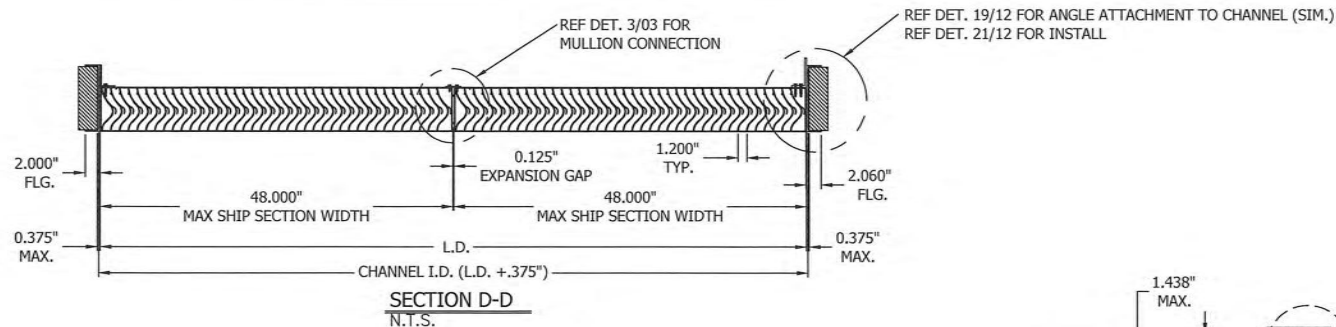
RELIABLE
1300 ENTERPRISE ROAD
GENEVA, AL 36340

6RRVSDC
INSTALLATION

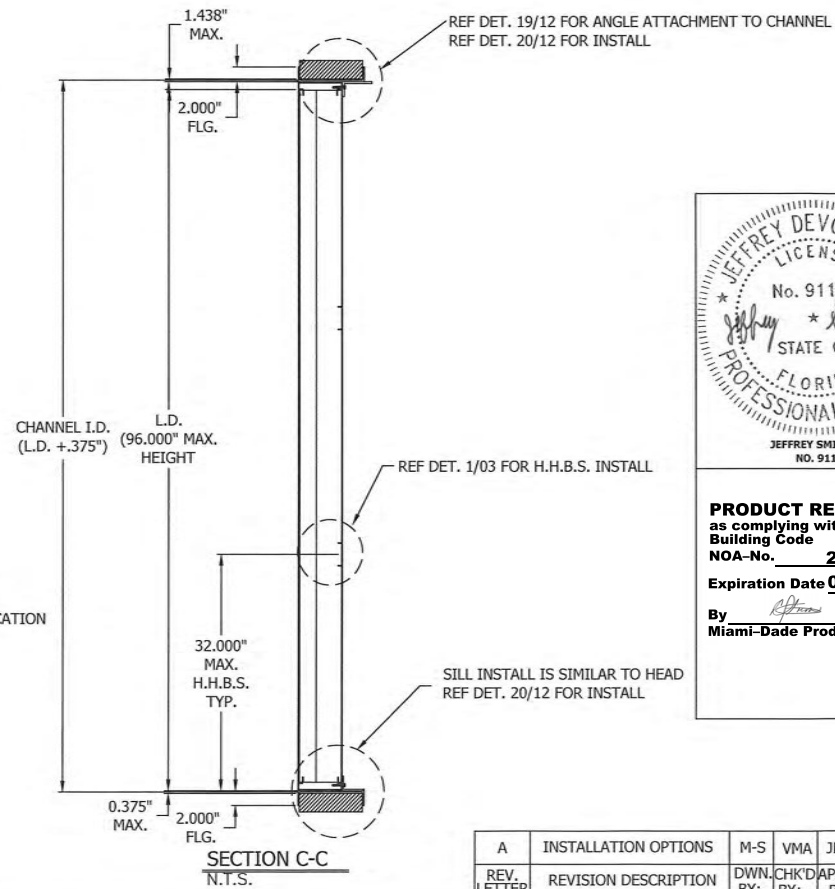
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3		BY:	BY:	BY:		
4		BY:	BY:	BY:		
5		BY:	BY:	BY:		
6		BY:	BY:	BY:		
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99		BY:	BY:	BY:		
100		BY:	BY:	BY:		

60-022493-00D

60-022493-00D



ASSEMBLY 'B' INSTALL CHANNEL
N.T.S.



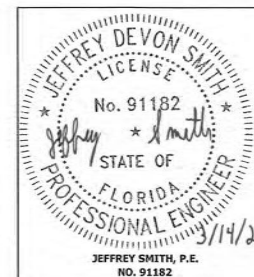
TOLERANCES			
DECIMAL DIMENSIONS:			
3 PLACE .XXX ±.010			
2 PLACE .XX ±.020			
FRACTION DIMENSIONS ±1/16			
ANGLE DIMENSIONS ±2°			
USE VMO-007 & 008 UNLESS SPECIFIED OTHERWISE			

ASSEMBLY "B" INSTALL CHANNEL
& SECTION VIEWS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.22


Expiration Date 01/28/2027

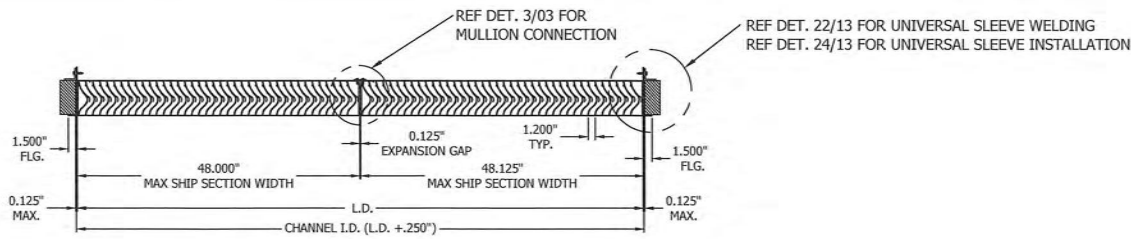
By *[Signature]*
Miami-Dade Product Control



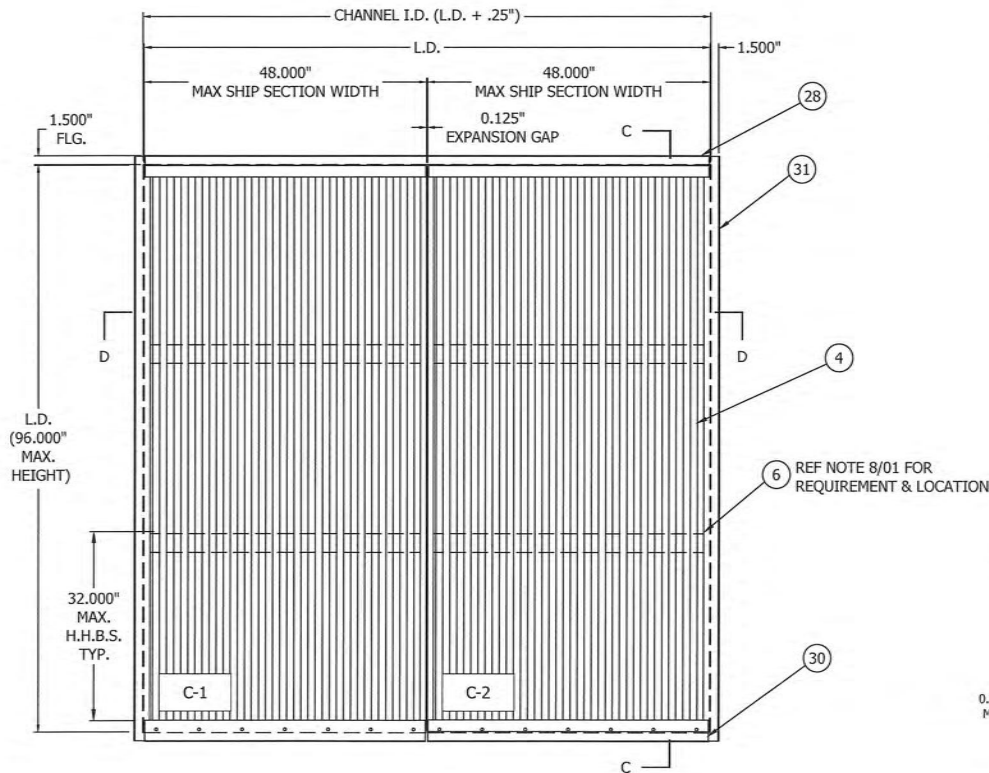
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05
Expiration Date 01/28/2027

By *[Signature]*
Miami-Dade Product Control

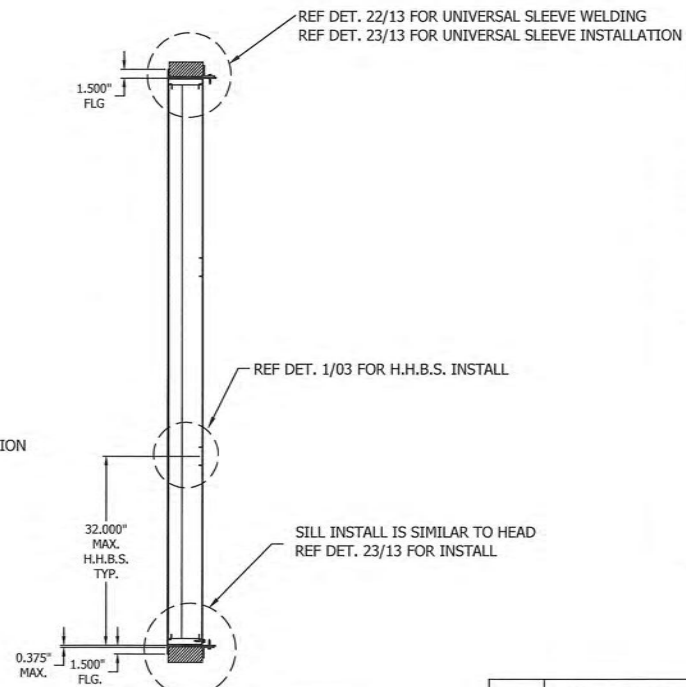
A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D BY:	BY:	APP'D. BY:	ECN	DATE
M	 1300 ENTERPRISE ROAD GENEVA, AL 36340	PLOT SCALE				
		NONE		ECN: _____		
TITLE		REV. A	SHEET 6 OF 17			
6RRVSDC INSTALLATION		DWG. NO. 60-022493-00D				



SECTION D-D
N.T.S.



ASSEMBLY 'C' UNIVERSAL SLEEVE
N.T.S.



SECTION C-C
N.T.S.

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE W40-307 & 308
UNLESS SPECIFIED OTHERWISE

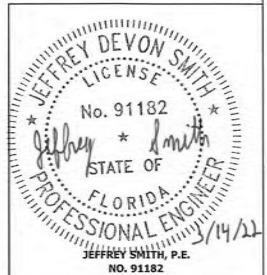
ASSEMBLY "C" UNIVERSAL SLEEVE
& SECTION VIEWS

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1116.22

Expiration Date 01/28/2027

By *[Signature]*
Miami-Dade Product Control



PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 22-0203.05

Expiration Date 01/28/2027

By *[Signature]*
Miami-Dade Product Control

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
		1300 ENTERPRISE ROAD GENEVA, AL 36340				
		PLOT SCALE				
		NONE				
		REV. A				
		DWG. NO.				
		60-022493-00D				

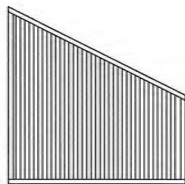
AVAILABLE SHAPES



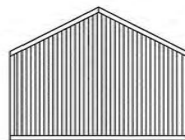
HALF TRIANGLE SHAPE A OR B
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND



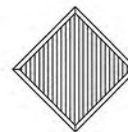
PYRAMID	SHAPE E
N.T.S.	



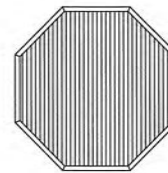
TRIANGLE TOP SHAPE C OR D
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND



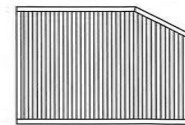
HOUSE SHAPE F
N.T.S.



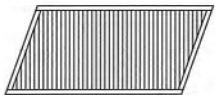
DIAMOND	SHAPE G
N.T.S.	



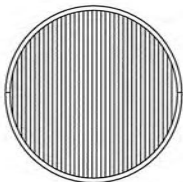
OCTAGON SHAPE L
N.T.S.



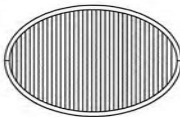
CORNER **SHAPE J OR K**
N.T.S.
 NOTE: CAN BE RIGHT OR LEFT HAND
 RIGHT BOTTOM OR LEFT BOTTOM



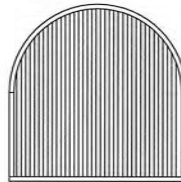
PARALLELOGRAM SHAPE H
N.T.S.



ROUND SHAPE A
N.T.S.
(AS TESTED)



OVAL SHAPE G
N.T.S.



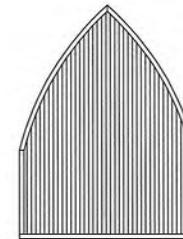
ROUND TOP SHAPE E
N.T.S.



QUARTER ROUND SHAPE C OR D
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND



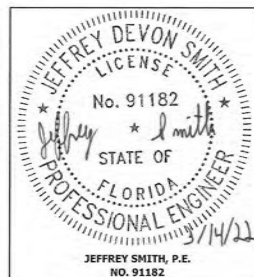
HALF ROUND **SHAPE H OR B**
N.T.S.
NOTE: CAN BE TOP OR BOTTOM




GOTHIC SHAPE F
N.T.S.

NOTES:

1. ALL LOUVER SHAPES TO BE CONSTRUCTED AS SHOWN ON FOLLOWING SHEETS. (ELT & ELR)
2. MAXIMUM SINGLE SECTION SIZE 48" WIDE X 96" HIGH. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE BY SIDE.
3. EXTRUDED ALUMINUM H.H.B.S. CHANNEL TO BE NOTCHED TO FIT OVER JAMB FRAMES & TO FIT BETWEEN EACH BLADE. H.H.B.S. CHANNEL TO BE WELDED TO EACH BLADE AND TO JAMB FRAMES. H.H.B.S. CHANNEL IS REQUIRED FOR ANY LOUVER ASSEMBLY EXCEEDING 32" IN HEIGHT EQUALLY SPACED BETWEEN HEAD AND SILL. TWO H.H.B.S. ARE TO BE POSITIONED EQUALLY SPACED BETWEEN HEAD & SILL WHEN SPAN IS OVER 64" IN HEIGHT.
4. VISIBLE MULLIONS REQUIRED AT EVERY 48" IN WIDTH.




PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05
Expiration Date 01/28/2027
By 
Miami-Dade Product Control

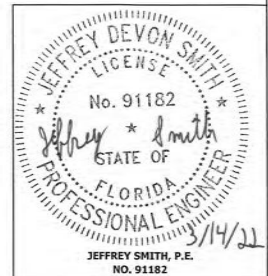
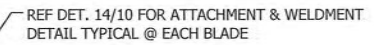
PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1116.22


Expiration Date 01/28/2027

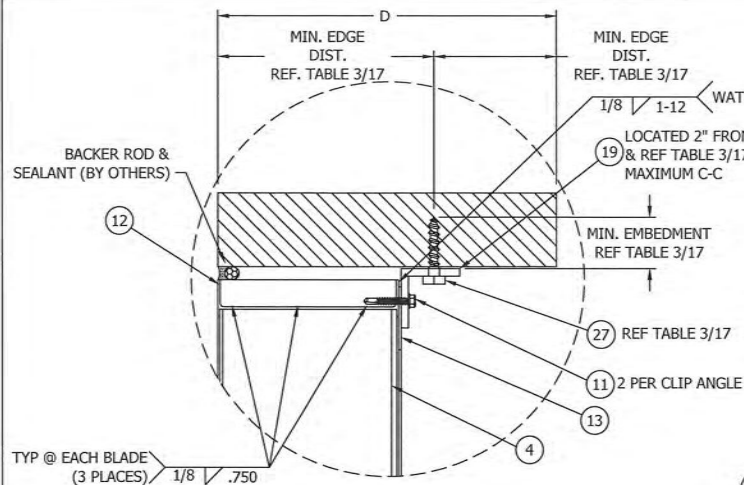
By *R. F. [Signature]*
Miami-Dade Product Control

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D BY:	ECN	DATE
 1300 ENTERPRISE ROAD GENEVA, AL 36340		PLOT SCALE				
		NONE		ECN: _____		
TITLE	6RRVSDC INSTALLATION	REV.	A	SHEET 8 OF 17		
		DWG. NO. 60-022493-00D				

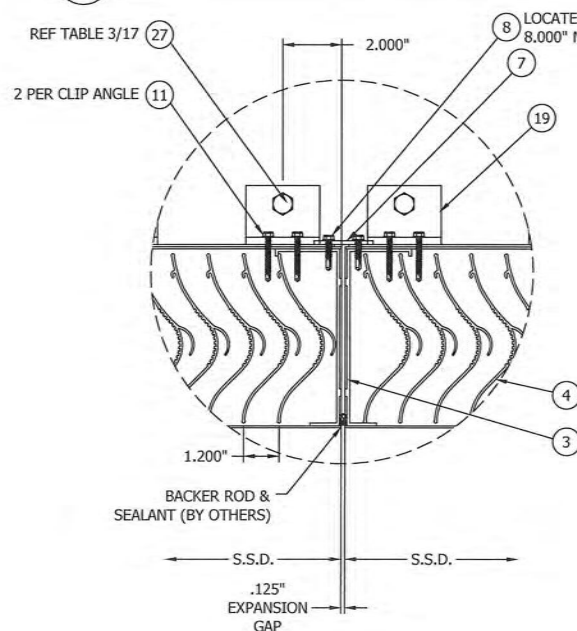


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05
Expiration Date 01/28/2027
By 
Miami-Dade Product Control

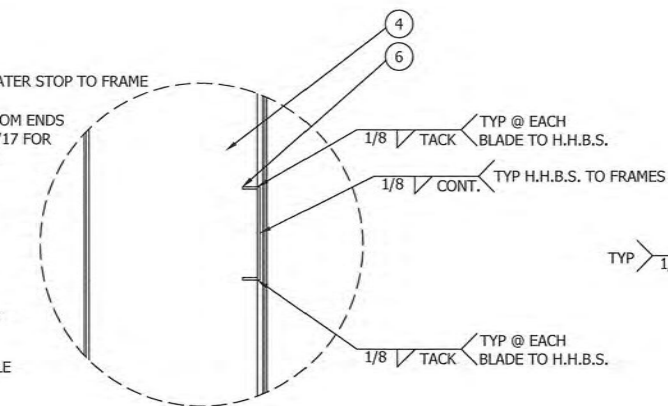
A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D BY:	APPV'D. BY:	ECN	DATE	
M	 1300 ENTERPRISE ROAD GENEVA, AL 36540	PLOT SCALE				
		NONE		ECN: _____		
TITLE	6RRVSDC INSTALLATION	REV. A	SHEET 9 OF 17			
		DWG. NO.		60-022493-00D		



14 HEAD CONNECTION & WELDMENT DETAIL
09 N.T.S.



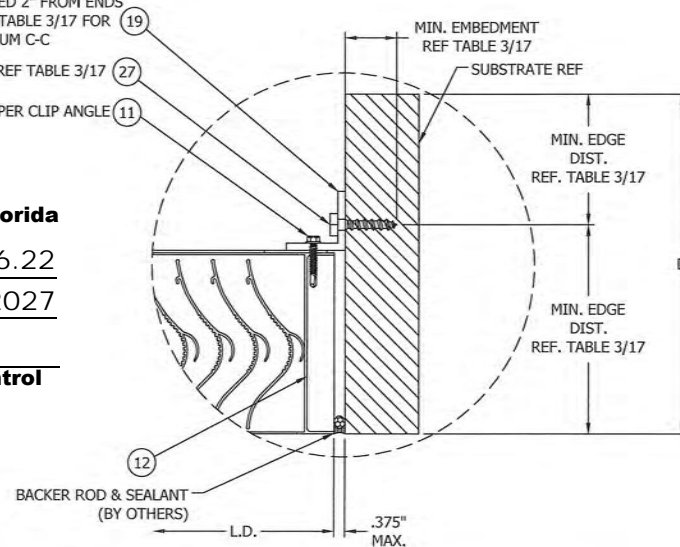
17 MULLION ATTACHMENT DETAIL
09 N.T.S.



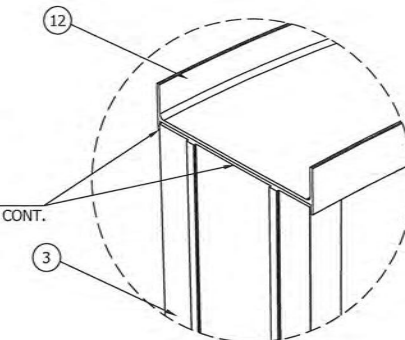
15 H.H.B.S. WELDMENT DETAIL
09,11 N.T.S.

LOCATED 2\"/>

REF TABLE 3/17
2 PER CLIP ANGLE



18 LOUVER ATTACHMENT DETAIL
09 N.T.S.



16 MULLION FRAME WELDMENT DETAIL
09 N.T.S.

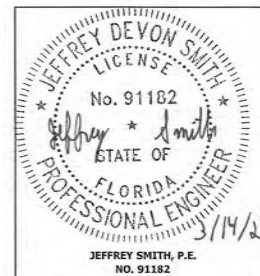
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.22

Expiration Date 01/28/2027

By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05
Expiration Date 01/28/2027

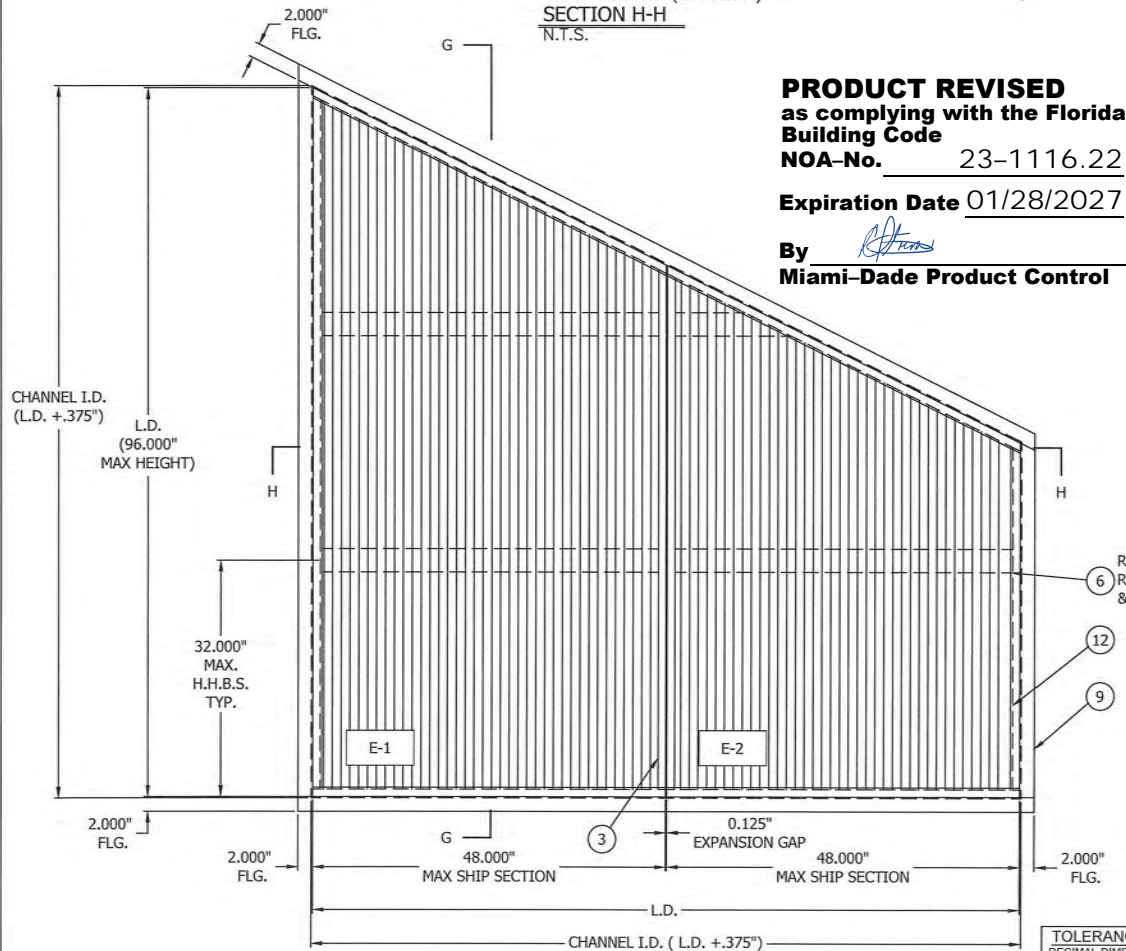
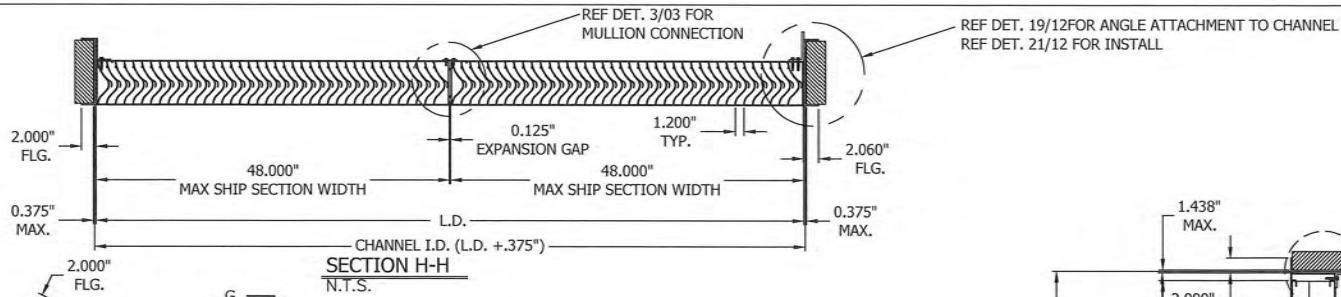
By *[Signature]*
Miami-Dade Product Control



TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE INC-007 & 008
UNLESS SPECIFIED OTHERWISE

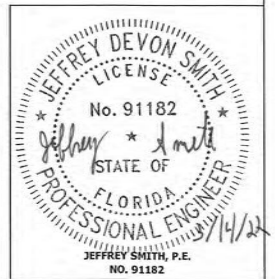
ASSEMBLY "D" SHAPED LOUVER
CONNECTION & INSTALL DETAILS

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D APP'D.	BY: BY: BY:	BY: BY: BY:	ECN	DATE
	1300 ENTERPRISE ROAD GENEVA, AL 36340	PLOT SCALE	NONE	ECN:		
TITLE	6RRVSDC INSTALLATION	REV. A	SHEET 10 OF 17	DWG. NO.		
						60-022493-00D

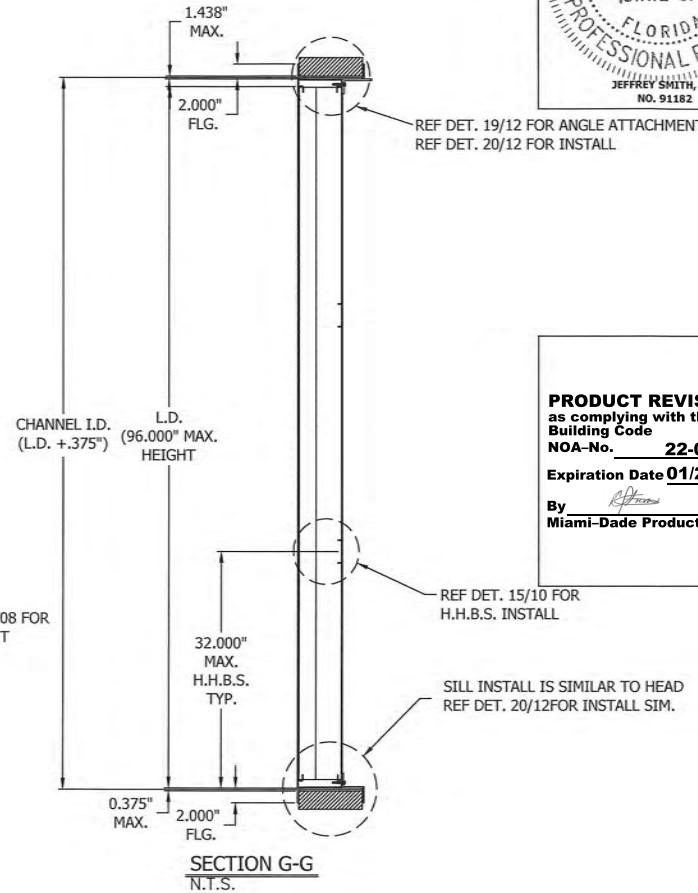


PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 23-1116.22
 Expiration Date 01/28/2027
 By *[Signature]*
 Miami-Dade Product Control

REF DET. 3/03 FOR
 MULLION CONNECTION
 REF DET. 19/12 FOR ANGLE ATTACHMENT TO CHANNEL
 REF DET. 21/12 FOR INSTALL



REF DET. 19/12 FOR ANGLE ATTACHMENT TO CHANNEL
 REF DET. 20/12 FOR INSTALL



PRODUCT REVISED
 as complying with the Florida
 Building Code
 NOA-No. 22-0203.05
 Expiration Date 01/28/2027
 By *[Signature]*
 Miami-Dade Product Control

REF DET. 15/10 FOR
 H.H.B.S. INSTALL

SILL INSTALL IS SIMILAR TO HEAD
 REF DET. 20/12 FOR INSTALL SIM.

ASSEMBLY 'E' SHAPED INSTALL CHANNEL
 N.T.S.

TOLERANCES
 DECIMAL DIMENSIONS:
 3 PLACE .XXX ±0.10
 2 PLACE .XX ±0.20
 FRACTION DIMENSIONS ±1/16
 ANGLE DIMENSIONS ±2°
 USE WIC-007 & 008
 UNLESS SPECIFIED OTHERWISE

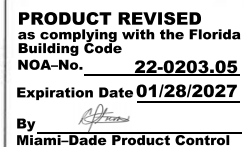
DWN. BY: CJD DATE: 6/15/18
 CHK. BY: RDF DATE: 6/18/18
 APPV'D. BY: BY: DATE: 6/18/18
 APPV'D. BY: MMM DATE: 6/18/18

ASSEMBLY 'E' & DETAILS

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D APPV'D. BY: JBY:	BY:	ECN	DATE	
		PLOT SCALE	NONE	ECN:		
		REV. A	SHEET 11 OF 17	DWG. NO.		
						60-022493-00D




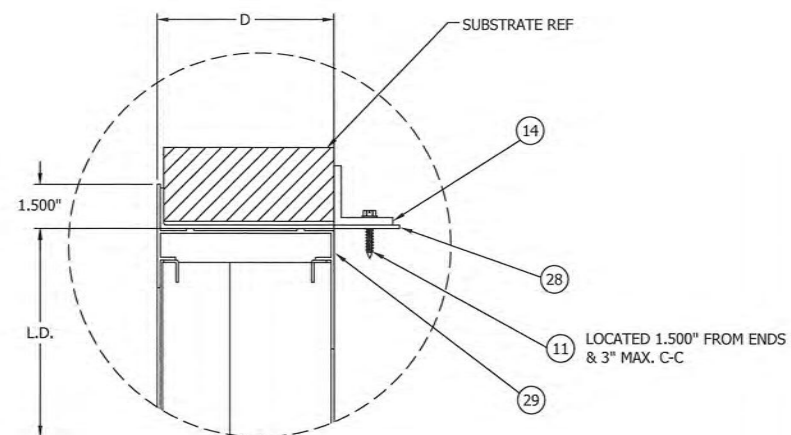
6RRVSDC
 INSTALLATION



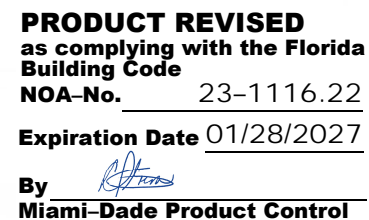
Expiration Date 01/28/2027

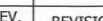
By R. F. [Signature]
Miami-Dade Product Control

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D BY:	APPV'D BY:	ECN	DATE	
 1300 ENTERPRISE ROAD GENEVA, AL 36340		PLOT SCALE				
		NONE		ECN: _____		
TITLE		REV. A		SHEET 12 OF 17		
6RRVSDC INSTALLATION		60-022493-00D				



23 INSTALL UNIVERSAL SLEEVE DETAIL @ HEAD
 07 N.T.S.
 LOUVER SILL ATTACHMENT SIMILAR



A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/22
REV. LETTER	REVISION DESCRIPTION	DWN,CHK'D BY: JBY:	APPV'D BY:	ECN	DATE	
 1300 ENTERPRISE ROAD GENEVA, AL 36340		PLOT SCALE				
		NONE		ECN: _____		
TITLE	6RRVSDC INSTALLATION		REV. A	SHEET 13 OF 17		
		60-022493-00D				

N.T.S.
RUSKIN PART# : 70-021995-00B

N.T.S.
RUSKIN PART# : 70-022627-00B

N.T.S.
RUSKIN PART# : 70-022227-00B

N.T.S.

N.T.S.
RUSKIN PART# : 70-022529-00B
WITH INTEGRAL FLANGE

N.T.S.
RUSKIN PART# : 70-022722-00B
WITH INTEGRAL FLANGE

N.T.S.
RUSKIN PART# : 70-022227-00B
WITH INTEGRAL FLANGE

N.T.S.
RUSKIN PART# : 70-022227-00B

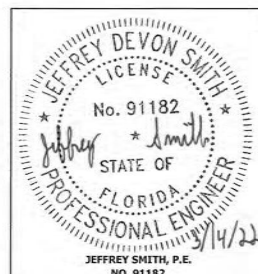
N.T.S.

N.T.S.
RUSKIN PART# : 70-020748-00B

N.T.S.
RUSKIN PART# : RSM7001


N.T.S.
RUSKIN PART# : RSM7002

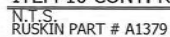
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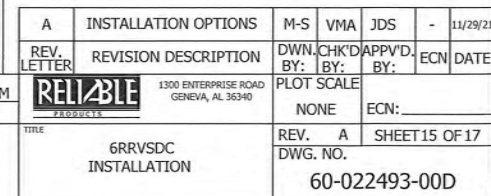
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05
Expiration Date **01/28/2027**

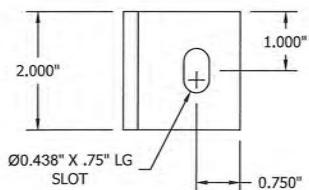
By *R. J. [Signature]*
Miami-Dade Product Control

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/22
REV. LETTER	REVISION DESCRIPTION	DWN, CHK'D BY: JBY:	APP'D BY:	ECN	DATE	
 1300 ENTERPRISE ROAD GENEVA, AL 36640		PLOT SCALE				
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TITLE	6RRVSDC INSTALLATION		REV. A	SHEET 14 OF 17		
			60-022493-00D			

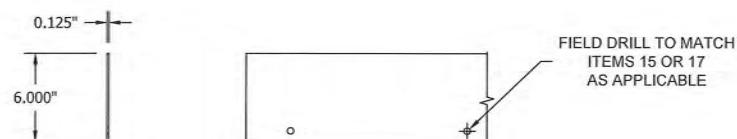


By 
Miami-Dade Product Control

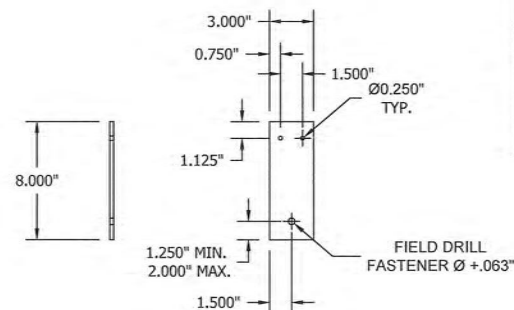




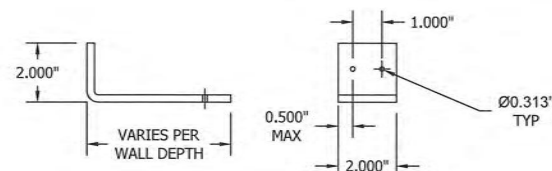
ITEM 19 ATTACHMENT CLIP ANGLE
N.T.S.



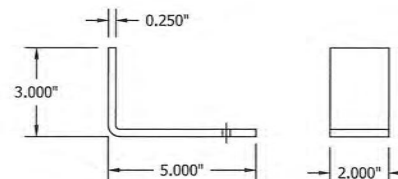
ITEM 18 ALTERNATE ATTACHMENT CONT. STIFFNER PLATE
N.T.S.



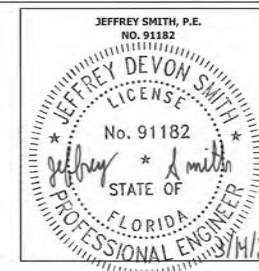
ITEM 20 3" ALTERNATE ATTACHMENT FLAT PLATE
N.T.S.



ITEM 23 ALTERNATE RETAINING ANGLE
N.T.S.



ITEM 24 ALTERNATE RETAINING ANGLE
N.T.S.



By *R. J. [Signature]*
Miami-Dade Product Control

Expiration Date 01/28/2027

By _____
Miami-Dade Product Control


A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APP'V'D. BY:	ECN	DATE
IM	 1300 ENTERPRISE ROAD GENEVA, AL 36340	PLOT SCALE				
		NONE		ECN: _____		
TITLE		REV. A		SHEET 16 OF 17		
6RRVSDC INSTALLATION		DWG. NO.		60-022493-00D		

TABLE 1					
CONTINUOUS ANGLE CONNECTION (ITEM #26)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	1 1/2"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	1 1/2"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
	10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	6"	3 THREADS BEYOND SUB. THICKNESS	5/8"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	3"	3 THREADS BEYOND SUB. THICKNESS	5/8"
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	1 3/4"	1 1/2"
		1/4" DIA. BUILDEX TAPCON+, CARBON STEEL*	4"	2 1/8"	2 1/2"
	UNCRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	1 1/2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"	2 3/8"	2 1/4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	2 3/4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"	2 3/8"	3 1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	2"	2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3"	2 3/8"	1 3/4"

TABLE 2					
CONTINUOUS ZEE/FLAT PLATE CONNECTION (ITEM #26)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING	MIN. EMBEDMENT	MIN. SUBSTRATE DEPTH**
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	3"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	SUB. THICKNESS
	10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	6"	3 THREADS BEYOND SUB. THICKNESS	SUB. THICKNESS
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	SUB. THICKNESS
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	3"	3 THREADS BEYOND SUB. THICKNESS	SUB. THICKNESS
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	1 3/4"	4"
		1/4" DIA. BUILDEX TAPCON+, CARBON STEEL*	4"	2 1/8"	4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	6"	2 1/2"	4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	4"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	2"	6" NOM. (5 5/8" ACT.)
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	6" NOM. (5 5/8" ACT.)

TABLE 3					
CONNECTION FOR SHAPED LOUVER (ITEM # 27)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. ANGLE C-C SPACING	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	1 1/2"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	1 1/2"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
	10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	6"	3 THREADS BEYOND SUB. THICKNESS	5/8"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	3"	3 THREADS BEYOND SUB. THICKNESS	5/8"
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	1 3/4"	1 1/2"
		1/4" DIA. BUILDEX TAPCON+, CARBON STEEL*	4"	2 1/8"	2 1/2"
	UNCRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	1 1/2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"	2 3/8"	2 1/4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	2 3/4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"	2 3/8"	3 1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	2"	2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3"	2 3/8"	1 3/4"

NOTES:

* COUNTER SUNK PHILLIPS FLAT HEAD ANCHORS MAY BE USED.

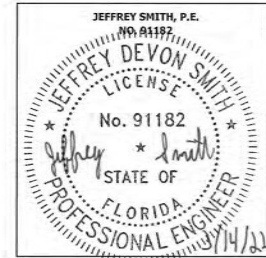
** ONLY AS REQ'D FOR ANCHORAGE, DESIGN OF SUBSTRATE IS NOT BY RUSKIN. ACTUAL SUBSTRATE DEPTH SHALL BE PER PROJECT DRAWINGS.

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1116.22

Expiration Date 01/28/2027

By 
Miami-Dade Product Control



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 22-0203.05

Expiration Date 01/28/2027

By 
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±0.010
2 PLACE .XX ±0.020
FRACTION DIMENSIONS ±1/16
ANGLE DIMENSIONS ±2°
USE W8C-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: CJD DATE: 6/15/18
CHK. BY: RDF DATE: 6/18/18
APPV'D. BY: DATE: 6/18/18
APPV'D. BY: MMM DATE: 6/18/18
PARTS & FASTENER TABLE

A	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
REV. LETTER	REVISION DESCRIPTION	DWN. CHK'D	APPV'D. BY:	BY:	ECN	DATE
	RELIABLE 1300 ENTERPRISE ROAD GENEVA, AL 36340	PLOT SCALE	NONE	ECN:		
TITLE	6RRVSDC INSTALLATION	REV. A	SHEET 17 OF 17	DWG. NO.		60-022493-00D