



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 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 5DDWRDCV Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022628-00D**, titled "5DDWRDCV / Wind-Driven Rain Resistant Louver", sheets 1 through 11 of 11, dated 05/20/2021, prepared by Reliable Products a div. of Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E. on 03/08/2022, 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, Schofield, WI or Frankfort, KY, 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 # **22-0407.04** 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.**




02/08/24

NOA No. 23-1116.25
Expiration Date: December 30, 2026
Approval Date: February 15, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under NOA # 22-0407.04, # 21-1021.03 and new

A. DRAWINGS

1. Drawing No. **60-022628-00D**, titled “5DDWRDCV / Wind-Driven Rain Resistant Louver”, sheets 1 through 11 of 11, dated 05/20/2021, prepared by Reliable Products a div. of Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E. on 03/08/2022.

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 203-94
along with marked-up drawings and installation diagram of EME5625MDE fixed aluminum louvers, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-4224-01**, dated 06/23/2021, signed and sealed by Douglas J. McDougall, P.E.
2. Test report on Large Missile Impact (Level “E”) per AMCA 540-13 of EME5625MDE fixed aluminum louvers, prepared by Intertek, Test Report No. **L7566.01-801-44 R0**, dated 08/13/2021, signed and sealed by Tyler Westerling, P.E.
3. Test report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 of a EME5625MD fixed aluminum louver, prepared by Intertek, Test Report No. **K9094.01-801-44 R0**, dated 02/08/2021, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Louver Wind Load Review, prepared by Ruskin Company, dated 08/05/2021, 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.
2. Statement letter of code conformance to the 7th edition (2020) of the FBC, issued by Ruskin Company, dated 11/18/2021, signed and sealed by Jeffrey D. Smith, P.E.
2. Statement letter of no financial interest, issued by Ruskin Company, dated 08/18/2021, signed and sealed by Jeffrey D. Smith, P.E.
3. Private label agreement dated 01/18/2022.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-1116.25
Expiration Date: December 30, 2026
Approval Date: February 15, 2024

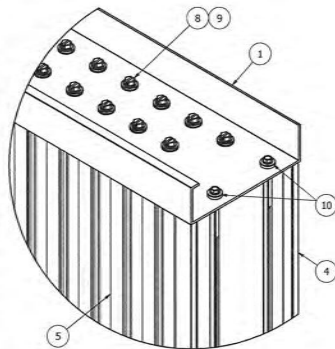
PARTS LIST			
FOR STANDARD LOUVER			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	EXTRUDED ALUMINUM	6063-T6
2	SILL FRAME	EXTRUDED ALUMINUM	6063-T6
3	JAMB FRAME-LH	EXTRUDED ALUMINUM	6063-T6
4	JAMB FRAME-RH	EXTRUDED ALUMINUM	6063-T6
5	BLADE	EXTRUDED ALUMINUM	6063-T6
6	WATERSTOP	EXTRUDED ALUMINUM	6063-T5
7	H.H.B.S.	EXTRUDED ALUMINUM	6063-T6
8	SCR 12-14X2 HHW SLOTTED DRIVE AB ZC	410 SS/ZC	-
9	#12 BONDED SEALING WASHER	NEOPRENE	-
10	SCR 10-16 X2" HHW SW A/B	410 SS/ZC	-
11	SCR 8-18 X .75 HHW SW A/B	410 SS/ZC	-
12	SCR 10X1.0 HHW TEK 410 ZC	410 SS/ZC	-
13	ACRYL-R SEALANT	-	-
MULTI-SECTION PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	ALLOY
14	SPL PLT LVR ALUM 2X4X.125	ALUMINUM	3003-H14
SHIP LOOSE			
ITEM	DESCRIPTION	MATERIAL	ALLOY
15	INSTALL ANGLE 2" X 2" X 1/4"	EXTRUDED ALUMINUM	6063-T6
16	CONT. RETAINING ANGLE - 1/4" X 2"	FORMED ALUMINUM	3003-H14
17	CONT. RETAINING ANGLE - 1/4" X 3" X 5"	FORMED ALUMINUM	3003-H14
18	CONT. RETAINING ZEE - 1/4" THK PLT	FORMED ALUMINUM	5005-H34
19	CONT. STIFFENER PLT - 1/8" X 4 1/2"	ALUMINUM	5005-H34
20	SCR 12X1.0 HHW TEK	410 SS/ZC	-
21	SCR 10X1.0 HHW TEK 410 ZC	410 SS/ZC	-
22	SCR 1/4-20X1.5 HHW TEK ZC	410 SS/ZC	-
23	FASTENERS (N.I.C.)	-	-
UNIVERSAL SLEEVE PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	ALLOY
24	FRONT FLANGE UNIVERSAL SLEEVE	.125" THK FORMED ALUM	5005-H34
25	HEAD FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
26	SILL FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
27	JAMB FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
28	INSTALL ANGLE 2" X 2" X 1/4"	EXTRUDED ALUMINUM	6063-T6
29	SCR 1-4-14X1.0 HHW TEK ZC	410 SS/ZC	-

ABBREVIATIONS:

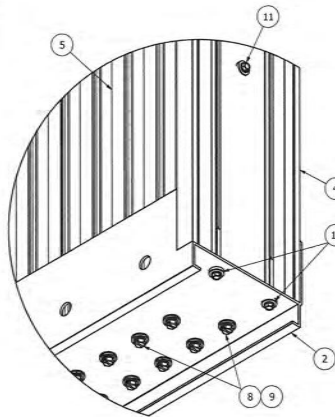
B.O. - BLANK OFF
 CF - CHANNEL FRAME
 CONT. - CONTINUOUS
 C-C - CENTER TO CENTER
 DIM - DIMENSION
 FLG - FLANGE
 FF - FLANGED FRAME
 HDG - HOT DIP GALVANIZED
 H.V.B.S. - HIDDEN VERTICAL BLADE SUPPORT
 H.H.B.S. - HIDDEN HORIZONTAL BLADE SUPPORT
 HHW - HEX WASHER HEAD
 L.D. - LOUVER DIMENSION
 MAX. - MAXIMUM
 MIN. - MINIMUM
 NOM. - NOMINAL
 N.T.E. - NOT TO EXCEED
 N.T.S. - NOT TO SCALE
 O/C - ON CENTER
 OPP. - OPPOSITE
 N.I.C. - NOT IN CONTRACT
 R.O. - ROUGH OPENING
 REF - REFERENCE
 SHT - SHEET
 S.S. - SHIP SECTION
 S.S.D. - SHIP SECTION DIMENSION
 S.D.S. - SELF DRILLING SCREW
 SIM - SIMILAR
 STL - STEEL
 TYP. - TYPICAL
 U.N.O. - UNLESS NOTED OTHERWISE

DRAWING SHEET INDEX:

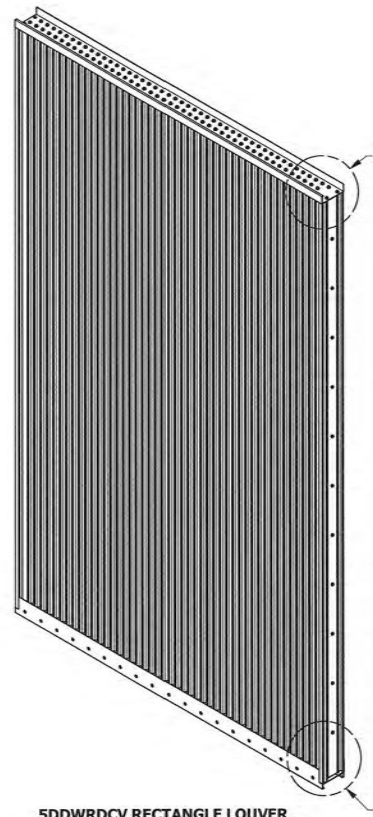
SHEET 01 - STANDARD LOUVER SPECIFICATIONS
SHEET 02 - SINGLE-SECTION (CF) ASSEMBLY & DETAILS
SHEET 03 - MULTI-SECTION (CF) ASSEMBLY
SHEET 04 - STANDARD INSTALLATION DETAILS
SHEET 05 - TABLE 1 FASTENER TABLE
SHEET 06 - ALTERNATE INSTALLATION DETAILS
SHEET 07 - TABLE 2 FASTENER TABLE
SHEET 08 - UNIVERSAL SLEEVE ASSEMBLY
SHEET 09 - UNIVERSAL SLEEVE INSTALLATION DETAILS
SHEET 10 - LOUVER ASSEMBLY PART PROFILES
SHEET 11 - INSTALLATION PART PROFILES



DETAIL A



DETAIL B



SDDWRDCV RECTANGLE LOUVER
N.T.S.

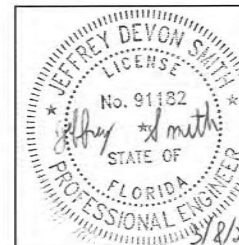
NOTES:

- THE SDDWRDCV HAS BEEN TESTED IN ACCORDANCE WITH & QUALIFIED TO FLORIDA BUILDING CODE TESTING PROTOCOLS **TAS-201, 202, & 203** FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE, CYCLIC WIND PRESSURE; FOR **LEVEL E (ENHANCED PROTECTION)** MISSILE IMPACT **AMCA 540**; & **AMCA 550** FOR HIGH VELOCITY WIND DRIVEN RAIN.
- QUALIFICATIONS TO **AMCA 550** ALLOWS THIS LOUVER TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM & THE ROOM DOES NOT HOUSE WATER RESISTANT/PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
- THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH **DESIGN PRESSURES OF 160 PSF** OR LESS. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
- SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL MEMBER, DESIGNED & INSTALLED BY OTHERS, IS BETWEEN EACH STACKED LOUVER TO CARRY THE FULL LOAD OF THE UPPER LOUVER, SO THAT NO LOUVER TAKES THE LOAD OF THE OTHER.
- THIS LOUVER ATTACHES ONLY AT THE HEAD & SILL TO THE SUBSTRATE. NO ATTACHMENT AT JAMBS. **SEE SHEET -04, -05, -06, -07 & -09** FOR INSTALLATION PARTS & DETAILS. REQUIREMENTS GIVEN IN "SUBSTRATE FASTENER TABLE" ARE AS NEEDED FOR ANCHORAGE ONLY AND (N.I.C.).
- MAXIMUM SINGLE SECTION SIZE FOR RECTANGLES ARE **72" WIDE X 120" HIGH**. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE-BY-SIDE.
- EXTRUDED ALUMINUM H.H.B.S. CHANNEL IS FACTORY CUT TO FIT BETWEEN EACH BLADE. THE H.H.B.S. CHANNEL IS SCREWED TO THE FIRST BLADES, LAST BLADE & AT BOTH JAMB FRAMES. THE H.H.B.S. CHANNEL IS REQUIRED FOR ANY LOUVER ASSEMBLY EXCEEDING **60" HIGH** & EQUALLY SPACED BETWEEN HEAD & SILL FRAMES.
- ALL WELDED ATTACHMENTS REQUIRE A MINIMUM FILLER OF 4043 ALUMINUM ALLOY WITH A MINIMUM TENSILE STRENGTH OF 24KSI.
- SQUARE BALLOONS INDICATE SHIP LOOSE PARTS.**

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.25

Expiration Date 12/30/2026

By 
Miami-Dade Product Control




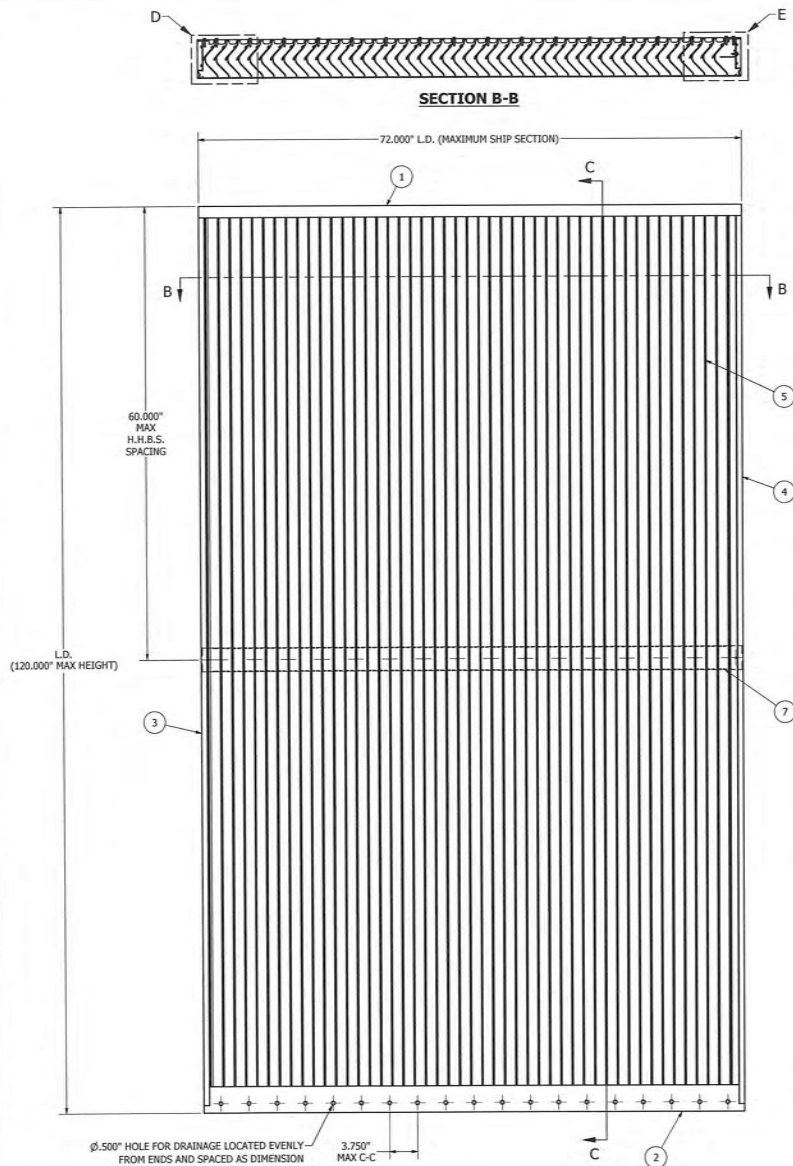
JEFFREY SMITH, P.E.
NO. 91182

PRODUCT APPROVED
as complying with the Florida
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NOA-No. 22-0407.04

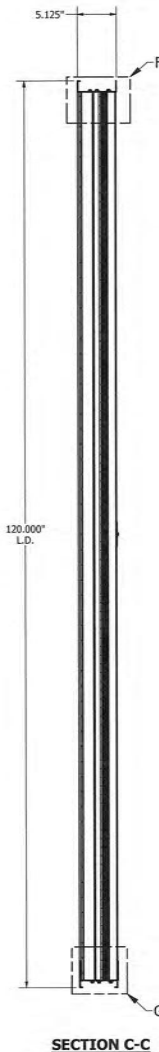
Approval Date 05/05/2022

By 
Miami-Dade Product Control

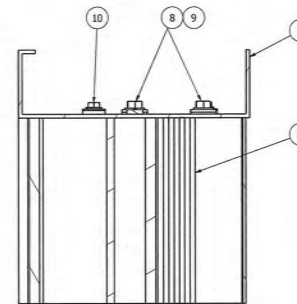
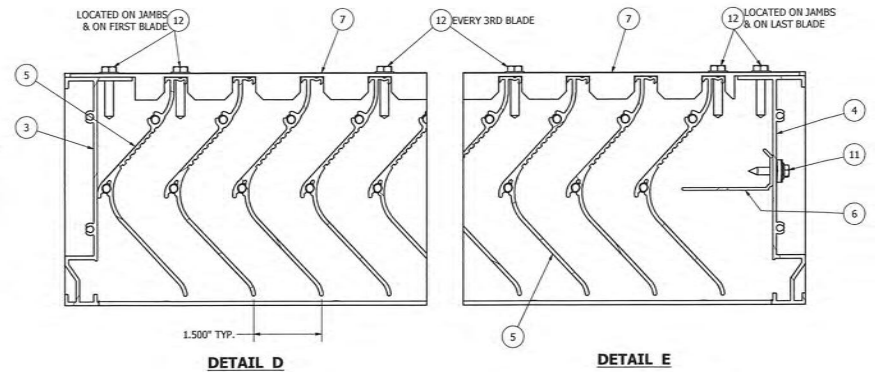
A		CREATED SDDWRDCV NOA DRAWING		DAN	E-R	VMA	JDS		
REV	DESCRIPTION			BY	CHK	APVD	ECN	DATE	
001	E-R	4/1/2021							1300 Enterprise Road Genova, Alabama 36340 PROPRIETARY AND CONFIDENTIAL
002	NS	4/25/2021							
003	VMA	5/9/2021							
004	JDS	5/20/2021							
MATERIAL		EXTRUDED ALUMINUM			MODEL		SDDWRDCV / WIND-DRIVEN RAIN RESISTANT LOUVER		
TITLE		STANDARD LOUVER SPECIFICATIONS							
SIZE		D		DRAWING NO		60-022628-00D		REV	A
SCALE		NONE		SHEET		1 OF 11			



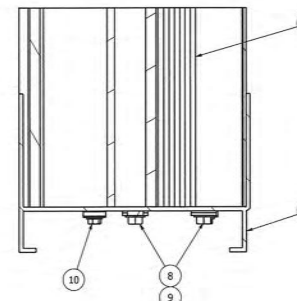
SINGLE SECTION - CHANNEL FRAME LOUVER
SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY



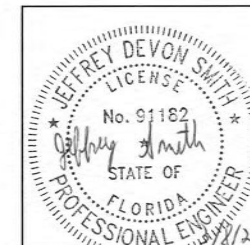
SECTION C-C



DETAIL F



DETAIL G



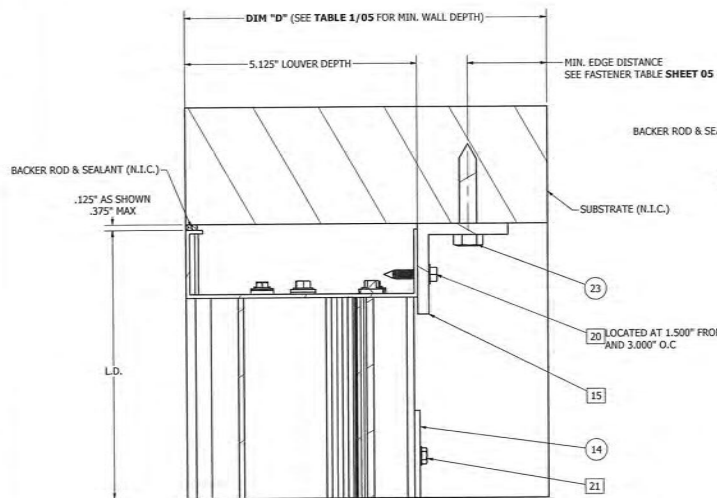
JEFFREY SMITH, P.E.
NO. 91182

PRODUCT APPROVED
as complying with the Florida
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NOA-No. **22-0407.04**
Approval Date **05/05/2022**
By *[Signature]*
Miami-Dade Product Control

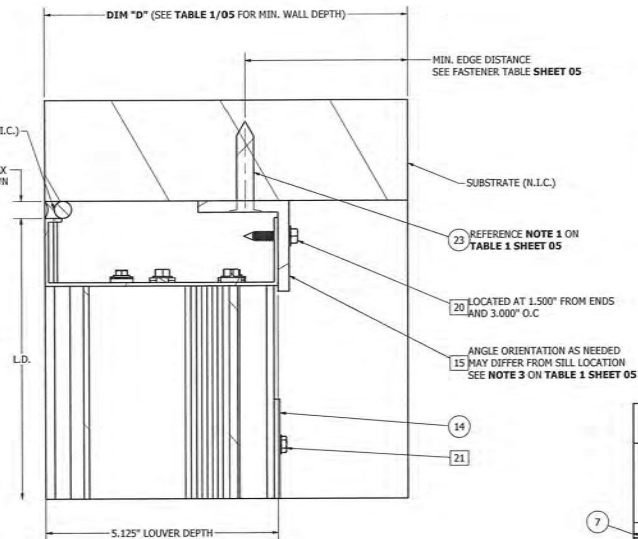
PRODUCT REVISED
as complying with the Florida
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NOA-No. **23-1116.25**
Expiration Date **12/30/2026**
By *[Signature]*
Miami-Dade Product Control

DESIGNER	E-R	4/1/2021	RELIABLE 1300 Enterprise Road Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL
CHECKED	NS	4/25/2021	
APPROVED	VMA	5/9/2021	
REVIEWED	JDS	5/20/2021	
PRODUCT	DOWNWARD / WIND-DRIVEN RAIN RESISTANT LOUVER		
TITLE	SINGLE SECTION (CF) ASSEMBLY & DETAILS		
SIZE	D	66-022628-000	REV A
SCALE	NONE	INVENTOR	SHEET 2 OF 11

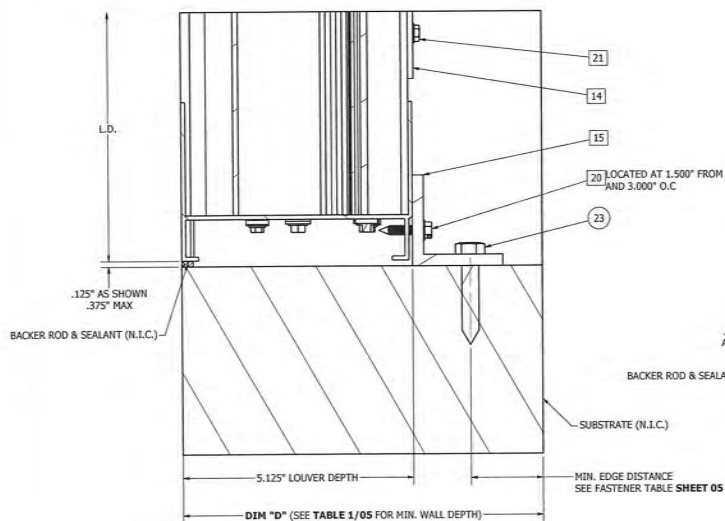
Tolerances
Unless Stated Otherwise
Use WIC-007



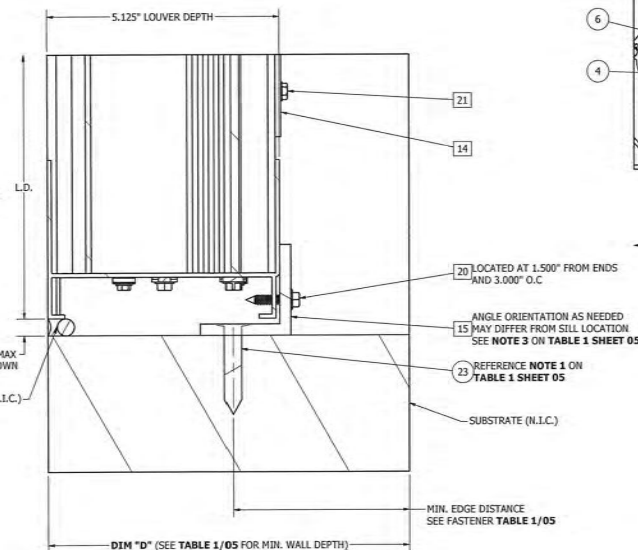
DETAIL K



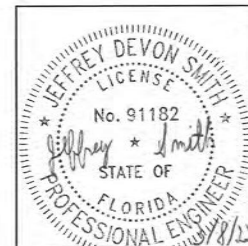
DETAIL M



DETAIL L



DETAIL N

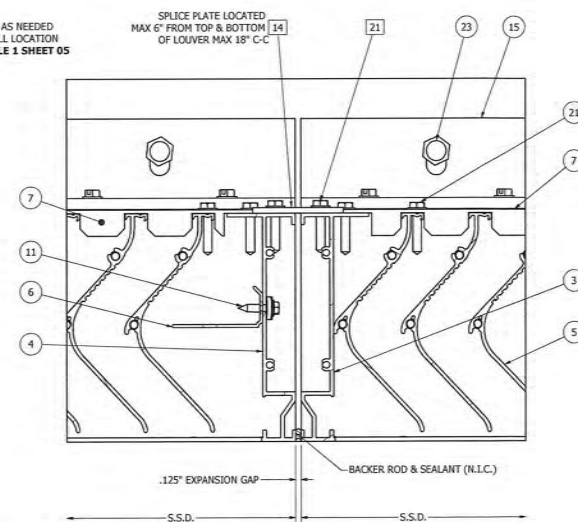


PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **22-0407.04**

Approval Date **05/05/2022**

By *[Signature]*
Miami-Dade Product Control

JEFFREY SMITH, P.E.
NO. 91182



DETAIL P

PRODUCT REVISED
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NOA-No. **23-1116.25**

Expiration Date **12/30/2026**

By *[Signature]*
Miami-Dade Product Control

DESIGNED	E-R	4/1/2021	1300 Enterprise Road Geneva, Alabama 36340
CHECKED	NS	4/25/2021	PROPRIETARY AND CONFIDENTIAL
APPROVED	VMA	5/9/2021	
REVIEWED	JDS	5/20/2021	
PRODUCT	EXTRUDED ALUMINUM	1300WDRCCV / WIND-DRIVEN RAIN RESISTANT LOUVER	
TITLE	STANDARD INSTALLATION DETAILS		
SIZE	D	60-022628-000	REV A
SCALE	NONE	INVENTOR	SHEET 4 OF 11

Tolerances
Unless Shown Otherwise
Use WIG-007

TABLE 1 - 5DDWRDCV / STANDARD INSTALLATION SUBSTRATE FASTENER TABLE (BY OTHERS)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING AT HEAD & SILL	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"
		3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	1 1/2"
	UNCRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	2 1/4"
		3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 3/8"	2 3/4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"		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"	2"

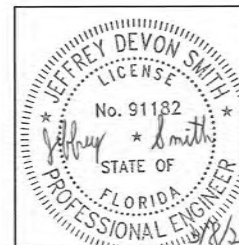
NOTES:

- * COUNTER SUNK PHILLIPS FLAT HEAD ANCHORS MAY BE USED FOR REVERSE CLIP.
- ** ONLY AS REQ'D FOR ANCHORAGE, DESIGN OF SUBSTRATE IS NOT BY RELIABLE (N.I.C.). ACTUAL SUBSTRATE DEPTH SHALL BE PER PROJECT DRAWINGS.
- WHEN REVERSE ANGLE INSTALLATION IS USED. COUNTERSUNK HOLES CAN BE DRILLED OUT IN ANGLES DONE BY OTHERS (N.I.C.).

PRODUCT REVISED
as complying with the Florida
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NOA-No. 23-1116.25

Expiration Date 12/30/2026

By [Signature]
Miami-Dade Product Control



JEFFREY SMITH, P.E.
NO. 91182

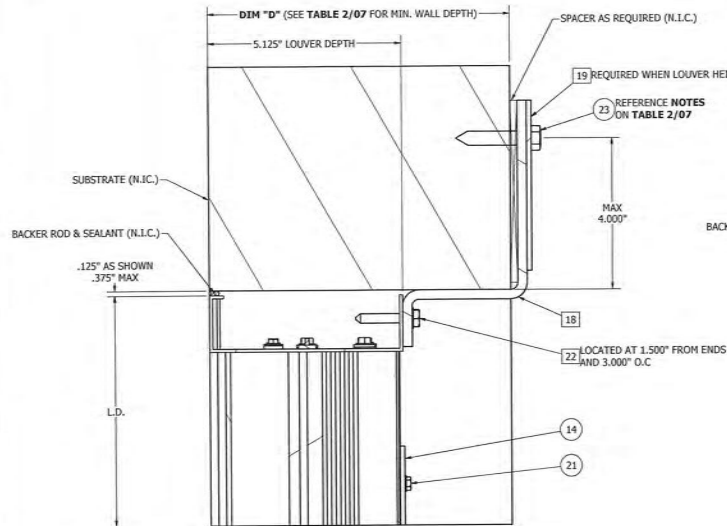
PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 22-0407.04

Approval Date 05/05/2022

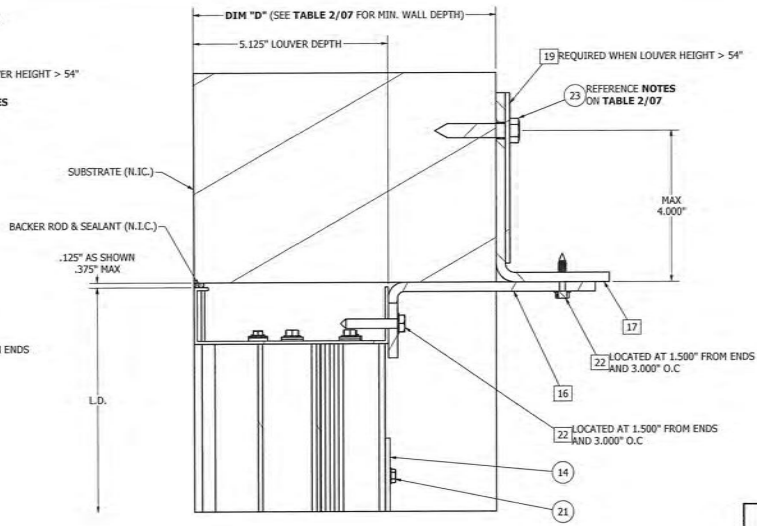
By [Signature]
Miami-Dade Product Control

REVISION	E-R	4/1/2021	RELIABLE 1300 Enterprise Road Geneva, Alabama 36445 PROPRIETARY AND CONFIDENTIAL
PREPARED	NS	4/25/2021	
REVIEWED	VMA	5/9/2021	
APPROVED	JDS	5/20/2021	
PRODUCT: 5DDWRDCV / WIND-DRIVEN RAIN RESISTANT LOUVER TABLE 1 FASTENER TABLE			TITLE: 60-022628-00D SHEET: 5 of 11

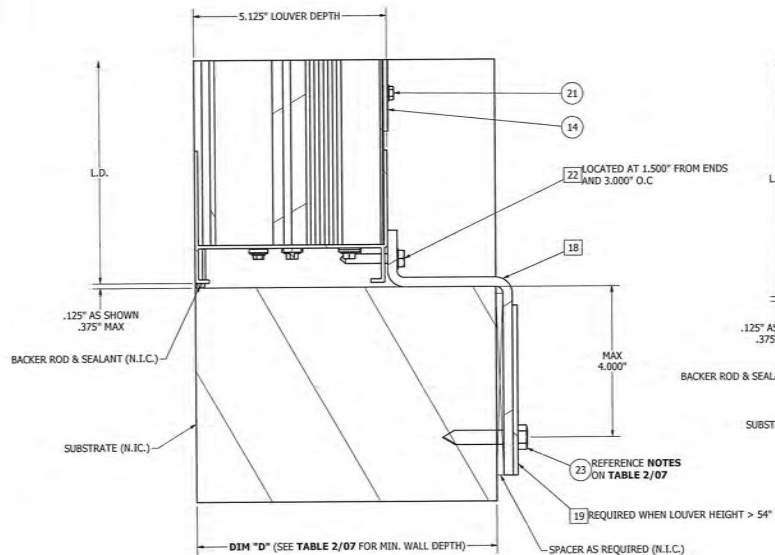
Tolerances
Unless Stated Otherwise
Use WIG-007



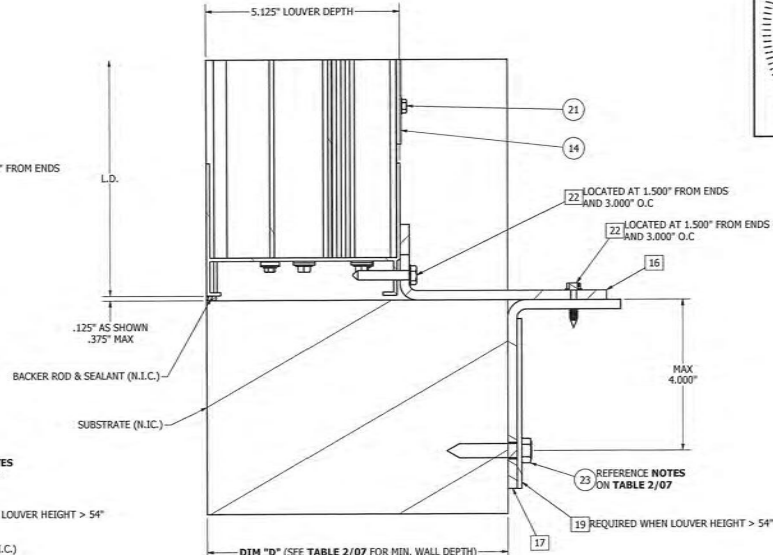
DETAIL R



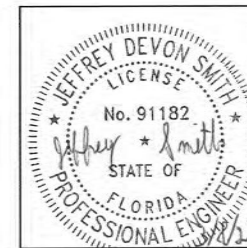
DETAIL T



DETAIL S



DETAIL V



JEFFREY SMITH, P.E.
NO. 91182

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as complying with the Florida
Building Code
NOA-No. **22-0407.04**
Approval Date **05/05/2022**
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NOA-No. **23-1116.25**

Expiration Date **12/30/2026**

By *[Signature]*
Miami-Dade Product Control

NOTED	E-R	4/1/2021	RELIABLE 1300 Enterprise Road Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL
CHECKED	NS	4/25/2021	
APPROVED	VMA	5/9/2021	
APPROVED	JDS	5/20/2021	
MATERIAL EXTRUDED ALUMINUM			PROJECT 60-022628-000
			TITLE ALTERNATE INSTALLATION DETAILS
			DATE 60-022628-000
			BY NONE
			INVENTOR SHEET 6 OF 11

Tolerances:
Unless Stated Otherwise
Use WIG-007

ALTERNATE INSTALLATION TABLE 2 - 5DDWRDCV RETAINING ANGLE / ZEE INSTALLATION SUBSTRATE FASTENER TABLE (BY OTHERS)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING AT HEAD & SILL	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	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	3/4"
	12 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"	4"
	UNCRACKED, 2500 PSI COMP. STRENGTH	1/4" DIA. BUILDDEX TAPCON+, CARBON STEEL	6"	2 1/4"	4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDDEX 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"	4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	4"

NOTES:

* COUNTER SUNK PHILLIPS FLAT HEAD ANCHORS MAY BE USED.

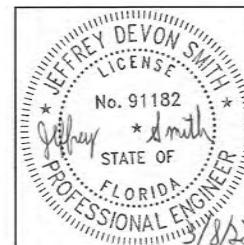
** ONLY AS REQ'D FOR ANCHORAGE, DESIGN OF SUBSTRATE IS NOT BY RELIABLE (N.I.C.). ACTUAL SUBSTRATE DEPTH SHALL BE PER PROJECT DRAWINGS.

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 23-1116.25

Expiration Date 12/30/2026

By [Signature]
Miami-Dade Product Control



JEFFREY SMITH, P.E.
NO. 91182

PRODUCT APPROVED
as complying with the Florida
Building Code

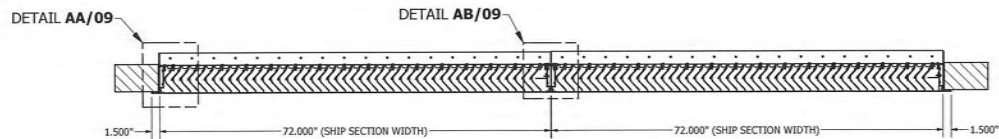
NOA-No. 22-0407.04

Approval Date 05/05/2022

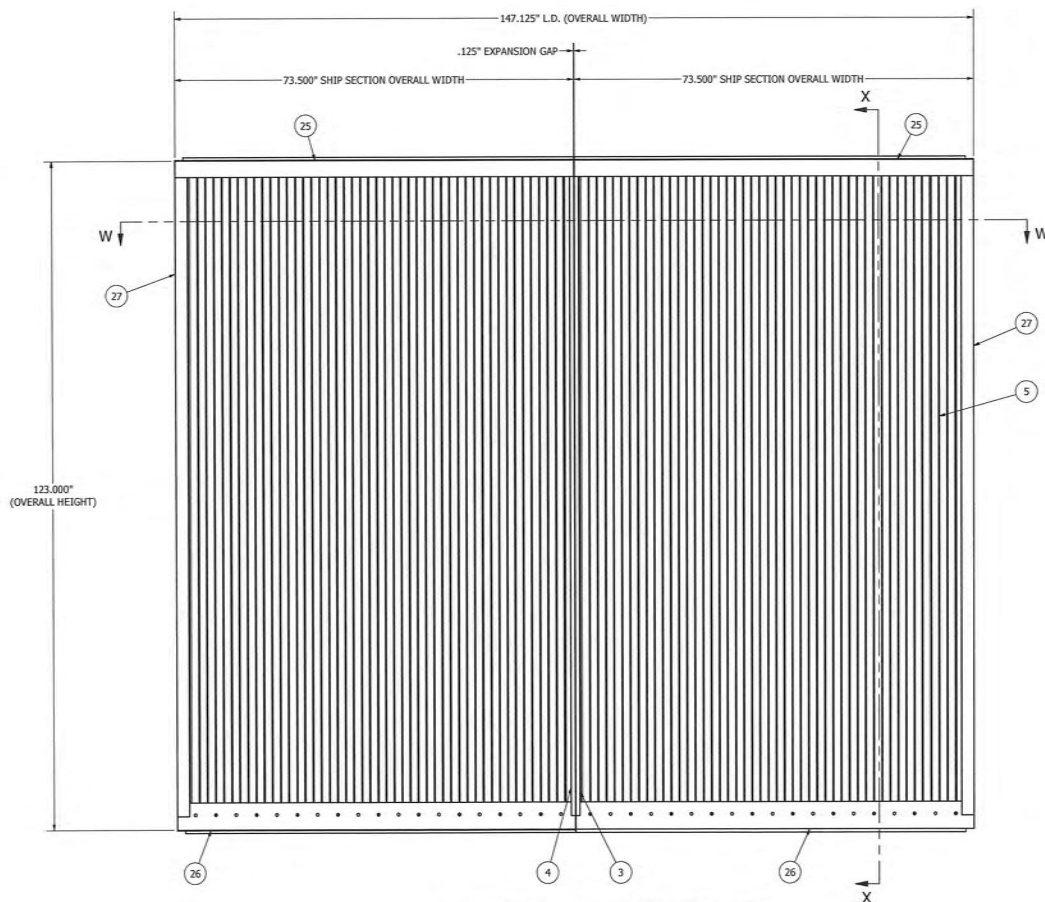
By [Signature]
Miami-Dade Product Control

DATE	4/1/2021	RELIABLE 1300 Enterprise Road Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL
CHECKED	NS 4/25/2021	
APPROVED	VMA 5/9/2021	
REVIEWED	JDS 5/20/2021	
PRODUCT: 5DDWRDCV / WIND-DRIVEN RAIN RESISTANT LOUVER		
TITLE: TABLE 2 FASTENER TABLE		
SIZE	D	REV
SCALE	NONE	60-022628-000 A
SHEET 7 OF 11		

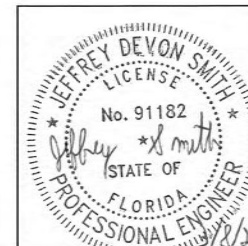
Tolerances:
Unless Stated Otherwise
Use W10-007



SECTION W-W

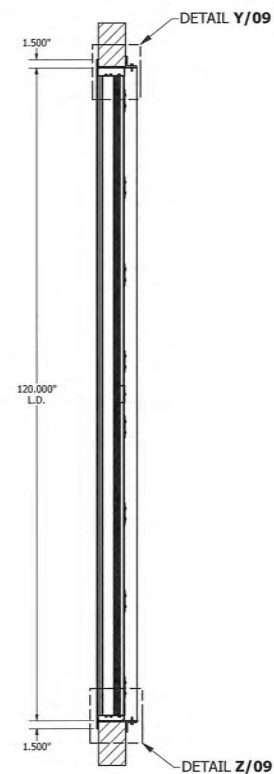


MULTI-SECTION - FLANGE FRAME LOUVER
SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY



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NO. 91182

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NOA-No. **22-0407.04**
Approval Date **05/05/2022**
By *[Signature]*
Miami-Dade Product Control

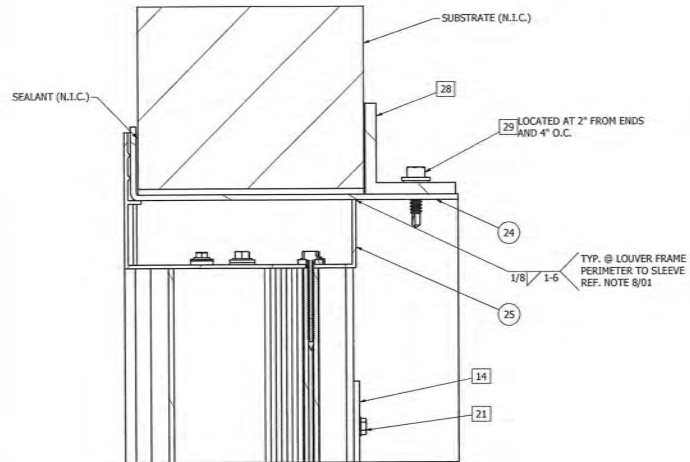


SECTION X-X

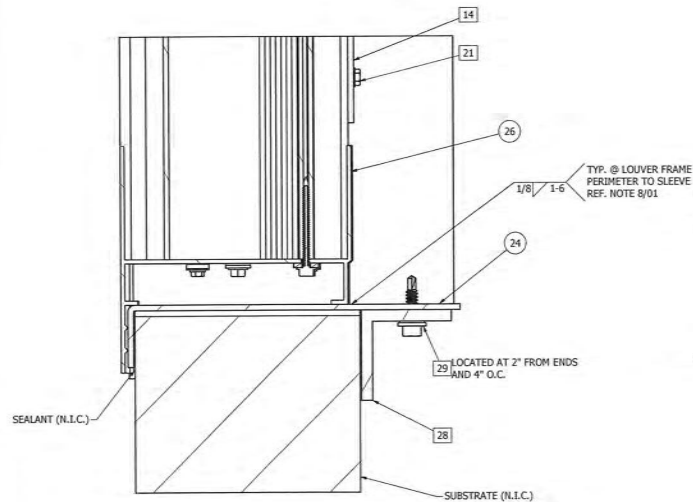
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1116.25**
Expiration Date **12/30/2026**
By *[Signature]*
Miami-Dade Product Control

OWNER	E-R	4/1/2021	RELIABLE 1300 Enterprise Road Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL
DRAWN	NS	4/25/2021	
APPROVED	VMA	5/9/2021	
REVISION	JDS	5/20/2021	
PRODUCT	SCORING / WIND-DRIVEN RAIN RESISTANT LOUVER		
TITLE	UNIVERSAL SLEEVE ASSEMBLY		
SIZE	D	60-022628-00D	REV A
SCALE	NONE	INVENTOR	SHEET 8 OF 11

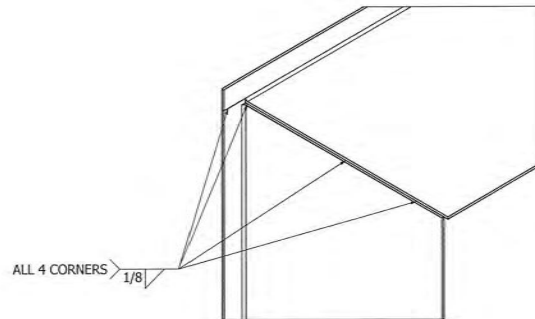
Tolerances
Unless Stated Otherwise
Use WQ-007



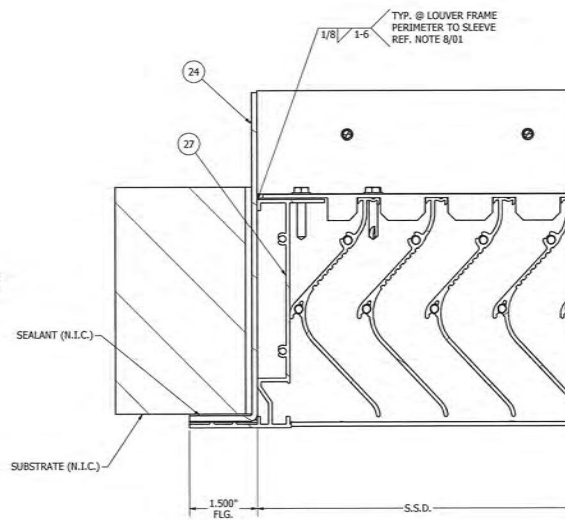
DETAIL Y



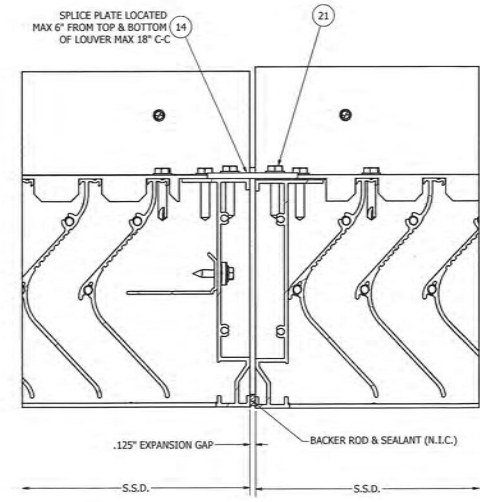
DETAIL Z



**UNIVERSAL SLEEVE
CORNER WELDS**



DETAIL AA



DETAIL AB

Tolerances:
Unless Stated Otherwise
Use WIG-107



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **22-0407.04**
Approval Date **05/05/2022**
By *[Signature]*
Miami-Dade Product Control

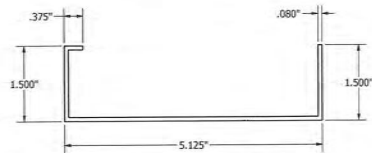
JEFFREY SMITH, P.E.
NO. 91182

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1116.25**

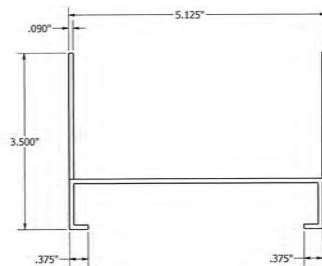
Expiration Date **12/30/2026**

By *[Signature]*
Miami-Dade Product Control

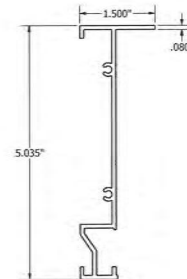
DATE	4/1/2021	RELIABLE ENGINEERING & CONSTRUCTION 1300 Enterprise Road Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL	
DESIGNED	NS 4/25/2021		
APPROVED	VMA 5/9/2021		
APPROVED	JOS 5/20/2021		
MATERIAL	EXTRUDED ALUMINUM	PRODUCT	DOWNDRAUGHT / WIND-DRIVEN RAIN RESISTANT LOUVER
TITLE	UNIVERSAL SLEEVE INSTALLATION DETAILS		
SCALE	60-022628-000		
DATE	D	INVENTOR	SHEET 9 OF 11



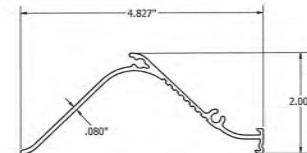
HEAD FRAME ITEM #1



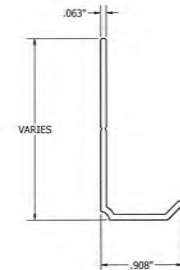
SILL FRAME ITEM #2



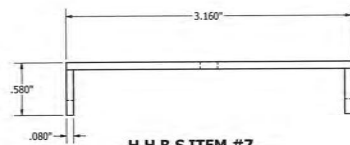
JAMB FRAME ITEM #3/#4



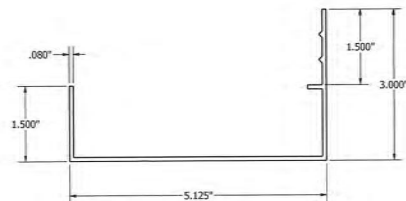
BLADE ITEM #5



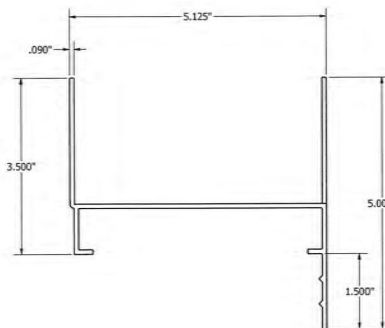
WATERSTOP ITEM #6



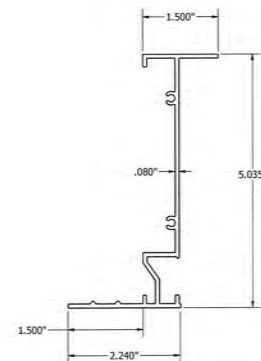
H.H.B.S ITEM #7



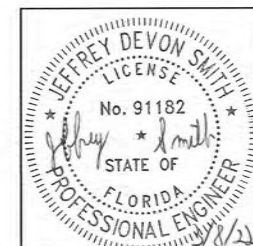
HEAD FRAME W/ INTEGRAL FLANGE ITEM #25



SILL FRAME W/ INTEGRAL FLANGE ITEM #26



JAMB FRAME W/ INTEGRAL FLANGE #27



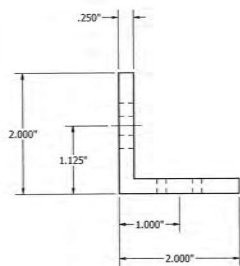
JEFFREY SMITH, P.E.
NO. 91182

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **22-0407.04**
Approval Date **05/05/2022**
By *[Signature]*
Miami-Dade Product Control

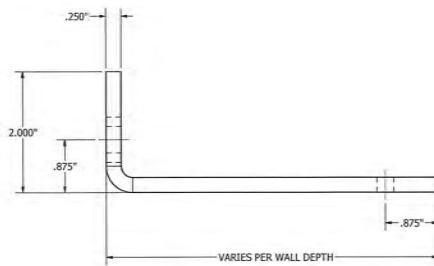
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-1116.25**
Expiration Date **12/30/2026**
By *[Signature]*
Miami-Dade Product Control

Tolerances
Unless Stated Otherwise
Use WIC-207

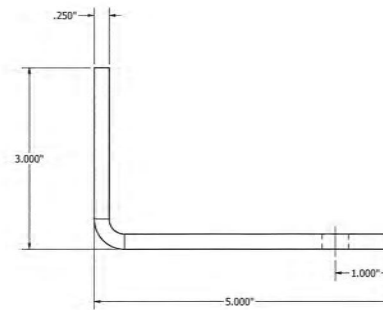
DESIGNER	E-R	4/1/2021	RELIABLE PRODUCT DEVELOPMENT 1300 Enterprise Road Geneva, Alabama 36540 PROPRIETARY AND CONFIDENTIAL
CHECKED	NS	4/25/2021	
APPROVED	VMA	5/9/2021	
APPROVED	JDS	5/20/2021	
EXTRUDED ALUMINUM			PROJECT: LOWWINDCV / WIND-DRIVEN RAIN RESISTANT LOUVER TITLE: LOUVER ASSEMBLY PART PROFILES SIZE: D DATE NO: 60-022628-00D SCALE: NONE INVENTOR: SHEET 10 OF 11



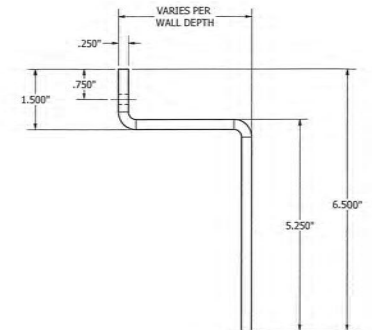
INSTALL ANGLE ITEM #15



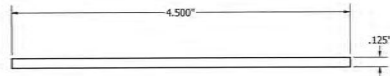
CONTINUOUS RETAINING ANGLE ITEM #16



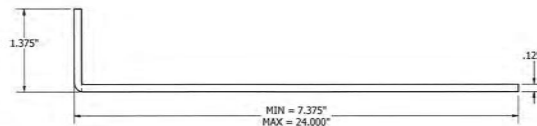
ALTERNATE CONT. RETAINING ANGLE ITEM #17



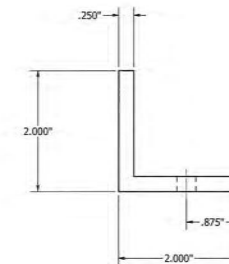
CONTINUOUS RETAINING ZEE ITEM #18



CONTINUOUS STIFFENER PLATE ITEM #19



UNIVERSAL SLEEVE ITEM #22

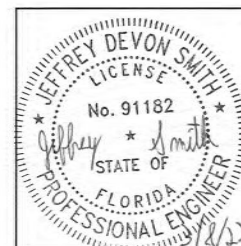


INSTALL ANGLE ITEM #28

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.25

Expiration Date 12/30/2026

By *R. Thomas*
Miami-Dade Product Control



JEFFREY SMITH, P.E.
NO. 91182

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 22-0407.04

Approval Date 05/05/2022

By *R. Thomas*
Miami-Dade Product Control

DESIGNED	E-S	4/1/2021	RELIABLE CORPORATION 1300 Enterprise Road Geneva, Alabama 36340 PROPRIETARY AND CONFIDENTIAL
CHECKED	NS	4/25/2021	
APPROVED	VMA	5/9/2021	
APPROVED	JDS	5/20/2021	
MATERIAL	EXTRUDED ALUMINUM		
PROJECT	LOWWROCK / WIND-ORIVEN RAIN RESISTANT LOUVER		
TITLE	INSTALLATION PART PROFILES		
SIZE	D		
DWG NO.	60-022628-000		
REV	A		
SCALE	NONE		
INVENTOR			
SHEET	11	OF 11	

Tolerances
Unless Stated Otherwise
Use WID-007