



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

Lloyd Industries, Inc.
231 Commerce Drive
Montgomeryville, PA 18936

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 4SRF and 4SRCF Aluminum Louvers

APPROVAL DOCUMENT: Drawing No. **4SRF-4SRCF**, titled "Model 4-SRF/4-SRCF Louver", sheets 1 through 4 of 4, dated 08/12/2013, prepared by the manufacturer, with revision "3" signed and sealed by Richard Boyette, P.E. 03/02/2024, 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, Orange Park, FL, 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 and renews** NOA # **21-0823.07** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S.Z.
04/25/2024

NOA No. 24-0111.02
Expiration Date: March 06, 2029
Approval Date: April 25, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS “Submitted under NOA # 21-0823.07”

1. Drawing No. **4SRF-4SRCF**, titled “Model 4-SRF/4-SRCF Louver”, sheets 1 through 4 of 4, dated 08/12/2013, prepared by the manufacturer, signed and sealed by Richard Boyette, P.E. 08/16/2021.

B. TESTS “Submitted under NOA # 13-0207.04”

1. Test report 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 a 4-SRCF louver, prepared by Architectural Testing Inc., Test Report No. **C1142.01-109-18**, dated 01/15/2013, signed and sealed by Michael D. Stremmel, P.E.

C. CALCULATIONS

1. Anchors calculations issued Richard Boyette, P.E., dated 10/06/2013 and 01/09/2014, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 13-0207.04”**
2. Anchors calculations issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 15-0818.13”**
3. Anchors calculations issued by Richard Boyette, P.E., dated 02/03/2019, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 18-1011.06”**

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 2010 FBC and of no financial interest dated 10/06/2013, issued, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 13-0207.04”**
2. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest dated 08/03/2015, issued, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 15-0818.13”**
3. Statement letter of code conformance to the 6th edition (2017) FBC issued by Richard Boyette, P.E., dated 02/03/2019, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 18-1011.06”**
4. Statement letter of code conformance to the 7th edition (2020) FBC issued by Richard Boyette, P.E., dated 08/16/2021, signed and sealed by Richard Boyette, P.E. **“Submitted under NOA # 21-0823.07”**



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 24-0111.02
Expiration Date: March 06, 2029
Approval Date: April 25, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New evidence submitted

A. DRAWINGS

1. Drawing No. **4SRF-4SRCF**, titled “Model 4-SRF/4-SRCF Louver”, sheets 1 through 4 of 4, dated 08/12/2013 with revision “3”, prepared by the manufacturer, signed and sealed by Richard Boyette, P.E. 03/02/2024.

B. TESTS

1. Test report 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 a 4-SRCF louver, prepared by Intertek, Test Report No. **Q8791.01-109-18**, dated 03/04/2024, signed and sealed by Tanya A. Dolby, P.E.

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 8th edition (2023) FBC and of no financial interest issued by Richard Boyette, P.E., dated 03/24/2024, signed and sealed by Richard Boyette, P.E.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 24-0111.02
Expiration Date: March 06, 2029
Approval Date: April 25, 2024

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	11	Blade	0.075" Alloy Aluminum 6061-T6 or 6063-T5 Extrusion (Max. QTY: 11)
2	2	Top and Sill	0.075" Alloy Aluminum 6061-T6 or 6063-T5 Extrusion
3	2	Side Frame	0.075" Alloy Aluminum 6061-T6 or 6063-T5 Extrusion
4	1	Screen	0.035" Thick Aluminum Wire
5	1	Back Plate	1" x 1/8" x 47-3/4" Alloy Aluminum 6061-T6 or 6063-T5
6	12	Anchor Clip	1-3/16"x1-3/16"x2"x1/8" Alloy Aluminum 6061-T6 or 6063-T5
7	See Table	#10 x 1-3/4" Wood Screw #10-16 Kwik-Flex SDS 1/4" x 2-1/2" Tapcon 1/4" x 2-3/4" Tapcon	PT 2x Wood Buck, 2" Edge Dist., 1-1/2" MIN Embed, SG 0.55 MIN 18g Steel, 1" Edge Dist., Full PEN. Grout Filled CMU, MIN 1-1/2" Embed into Grout, 2" Edge Dist. MIN 2000 PSI Concrete, 1-1/2" Embed, 2" Edge Dist.
8	8-12	#8 x 1-1/4" SMS	

* ALL FASTENERS ARE STAINLESS STEEL

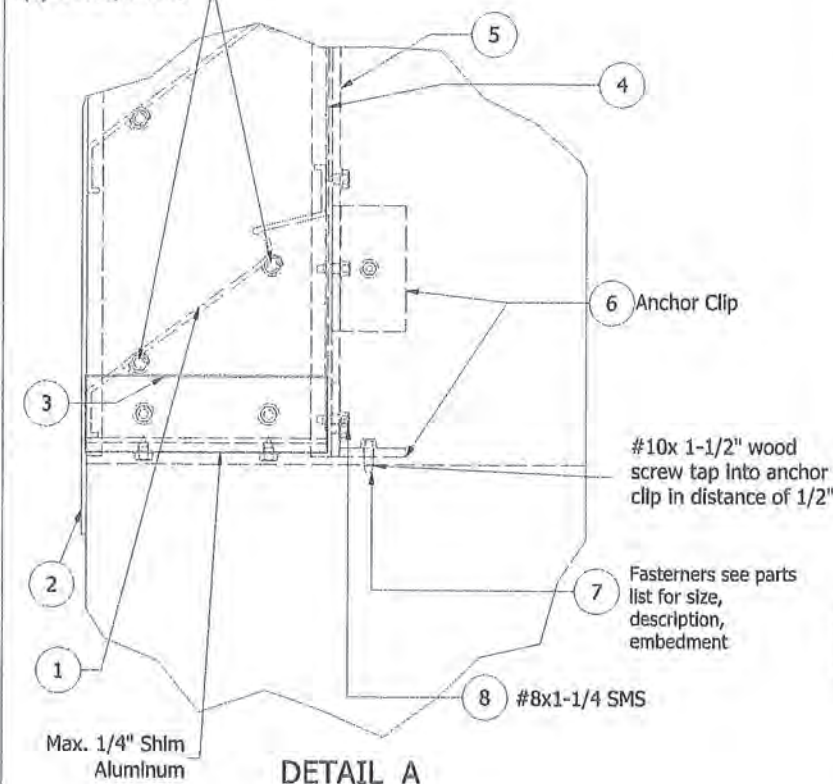
Design pressure ±100 PSF

2 This product complies with the provisions of 2020 FBC and is approved for use in HVHZ

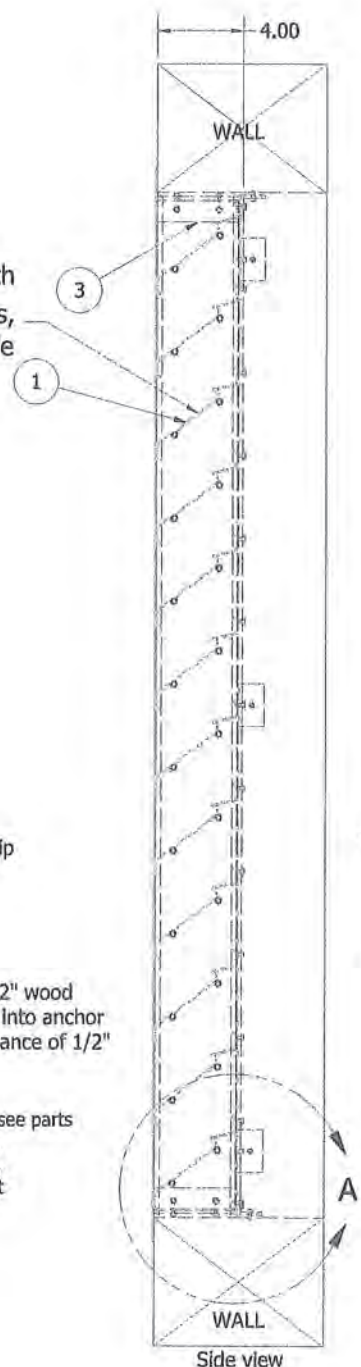
3 This product complies with the provisions of 2023 FBC and is approved for use in HVHZ

Each louver blade is secured at each end with two #10 x 3/4" long hex head screws, through the jamb into the louver blade

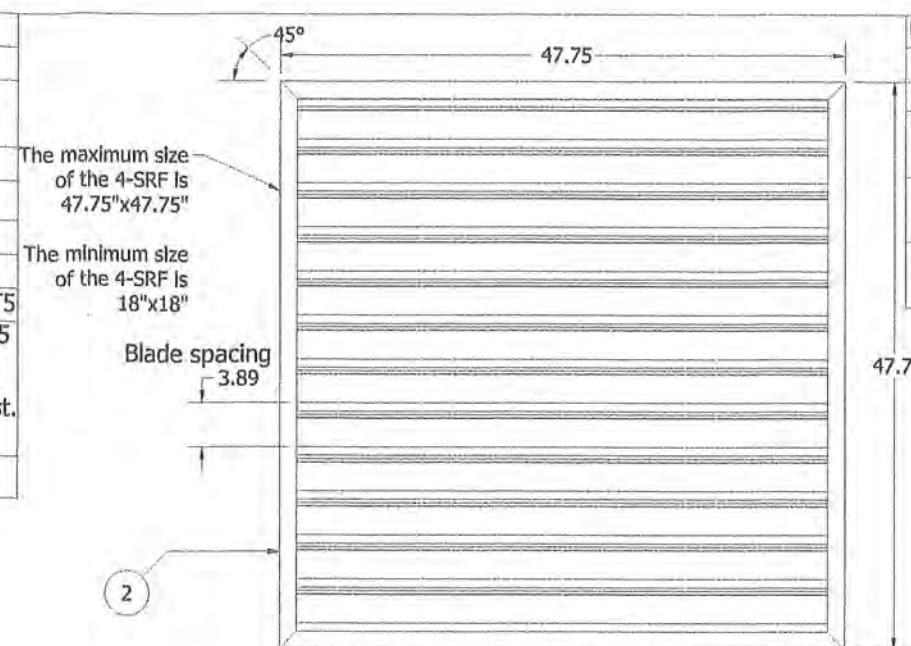
(2) #10x3/4" HHS



DETAIL A



Side view

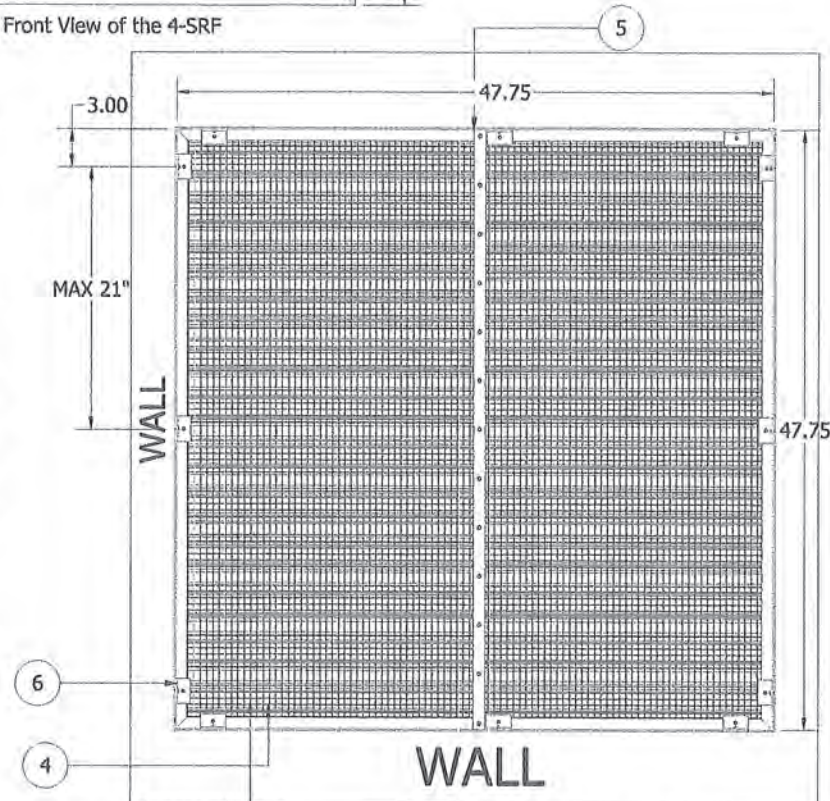


Front View of the 4-SRF

FASTENER QUANTITIES

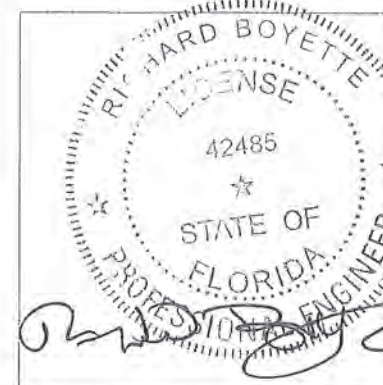
MAX INSIDE DIMENSION L x W	NO. FASTENERS - SUBSTRATE TYPE		
	WOOD	CONC.	STEEL
18"x18"	8	8	8
24"x24"	8	8	8
30"x30"	12	12	12
36"x36"	12	12	12
42"x42"	12	12	12
48"x48"	12	12	12
102"x42"	16	16	16
60"x72"	18	18	18

FASTENER SPACING: 3" FROM CORNERS
MAX 21" O.C.



Back view of the 4-SRF installs into the wall

The screen secures to the interior of the frame using snap-fit extruded aluminum stops and #10 x 3/4" long self-tapping hex head screws. The screws located at the head, sill and jambs and are located at each end and spaced 7" on center



Richard Boyette
EL PE #42485
Rick Boyette Consulting Inc - CoA
#9707
4031 Coconut Blvd
Royal Palm Beach FL 33411
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APPROVED MAR 20 2024



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DWG NO.	4SRF - 4SRCF	Sheet 1 of 4
TITLE	IMPACT RESISTANT LOUVER Model 4-SRF	
DRAFTER	DAVID LEI	DATE 8-12-2013


Revision	Date	Description of Change
0	08/12/2013	Original Drawing
1	08/03/2017	Added option material 6063-T5 and screw #10x3/4"
2	08/16/2021	Added note for 2020 FBC update
3	11/13/2023	Added note for 2023 FBC update

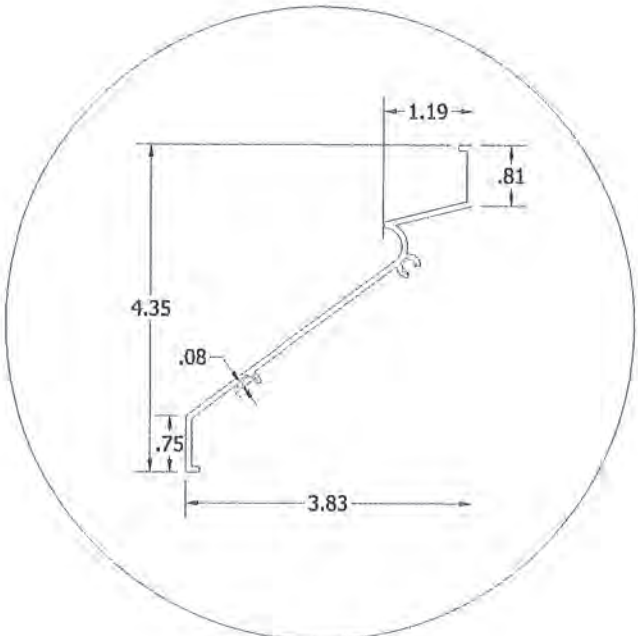
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0111.02

Expiration Date 03/06/2029

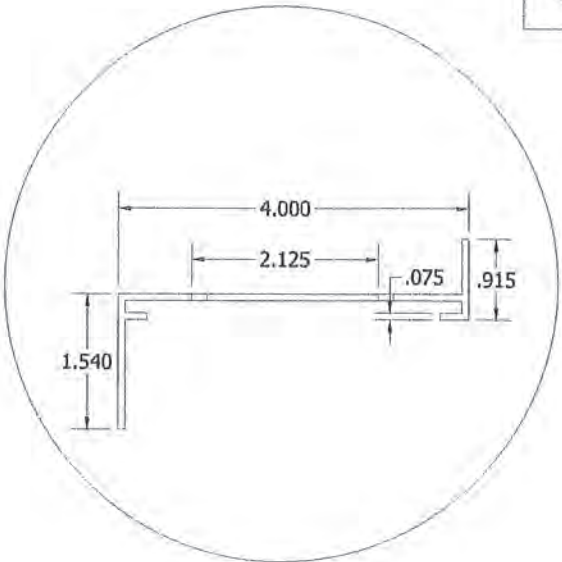
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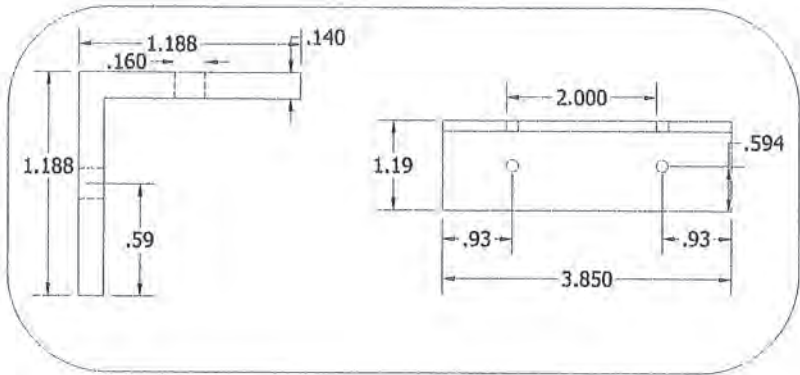
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Detail Item 1



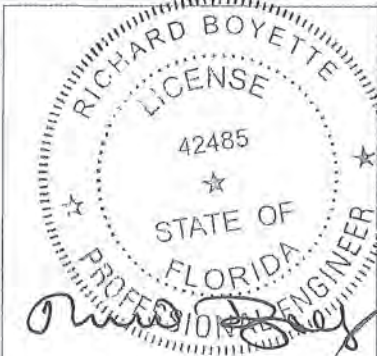
Detail Item 2



Detail Item 3

Note: These louvers have not been tested for water infiltration per TAS 100(A) (Wind Driven Rain Resistance Test). They are to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/water proof equipment, components, or supplies".

- 2 This product complies with the provisions of 2020 FBC and is approved for use in HVHZ
- 3 This product complies with the provisions of 2023 FBC and is approved for use in HVHZ



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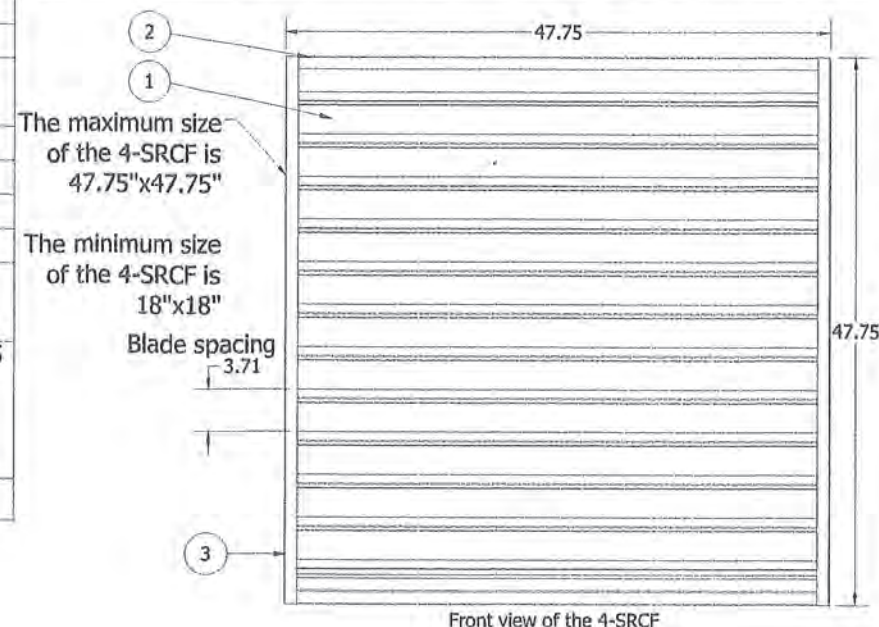
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DRAFTER	DAVID LEI	DATE 8-12-2013

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NOA-No. 24-0111.02

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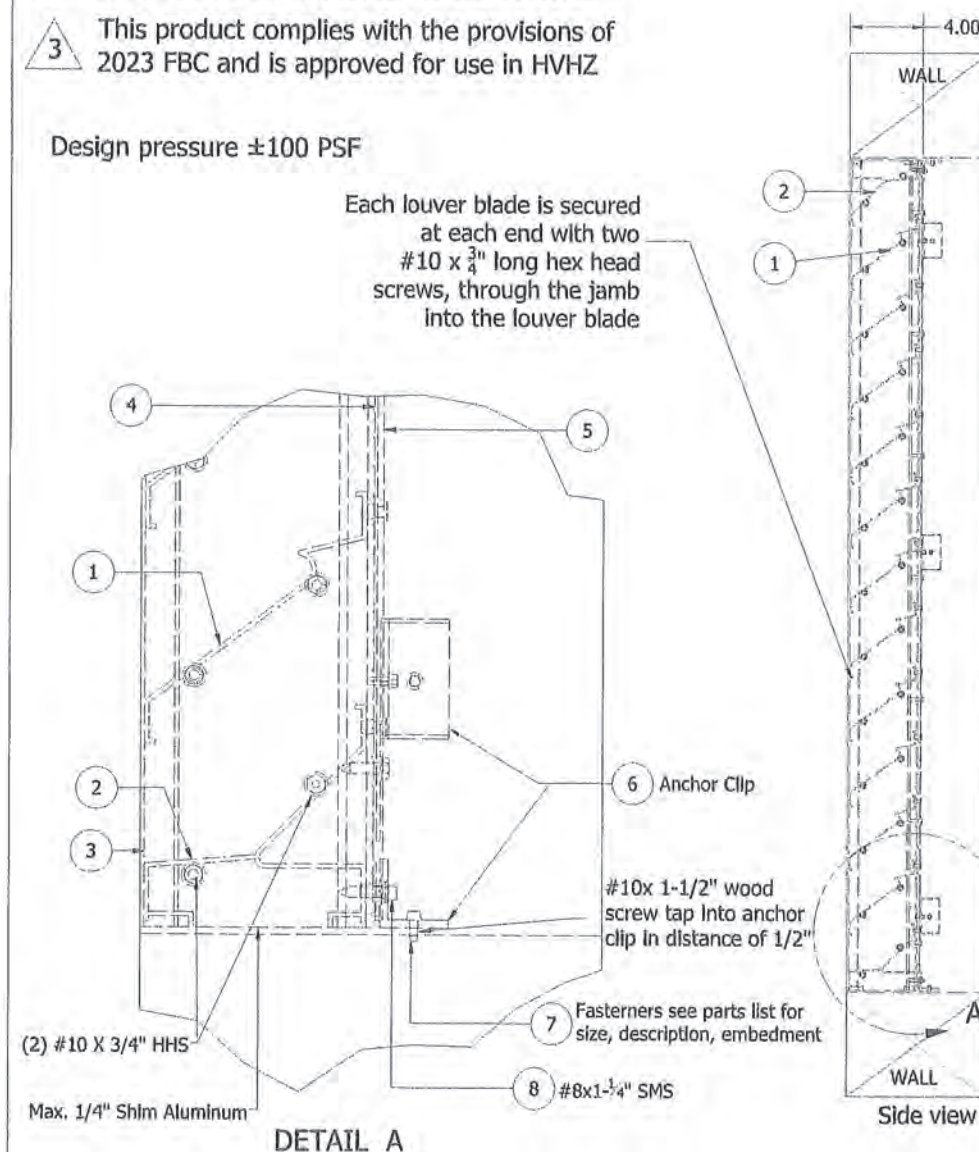
* ALL FASTENERS ARE STAINLESS STEEL

2 This product complies with the provisions of
2020 FBC and is approved for use in HVHZ

3 This product complies with the provisions of
2023 FBC and is approved for use in HVHZ

Design pressure ± 100 PSF

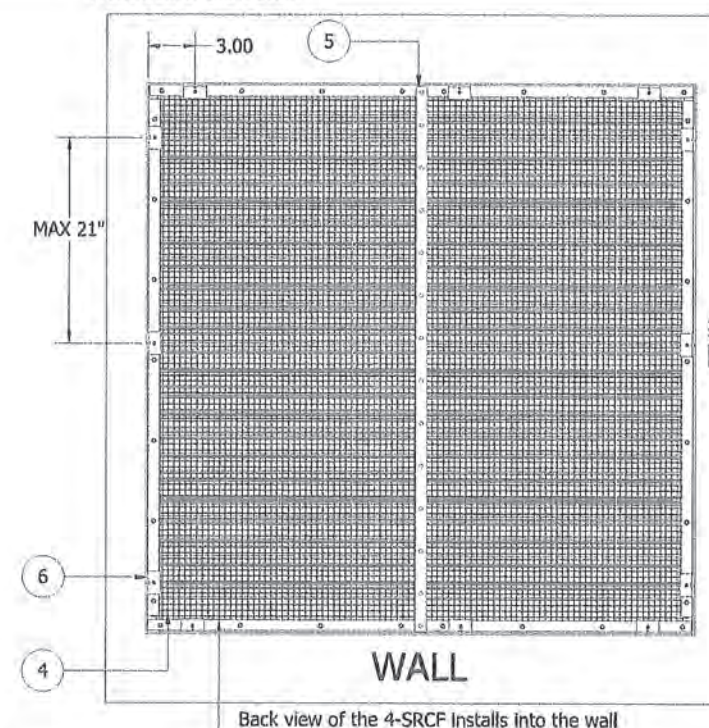
Each louver blade is secured
at each end with two
#10 x 3/4" long hex head
screws, through the jamb
into the louver blade



FASTENER QUANTITIES

MAX INSIDE DIMENSION L x W	NO. FASTENERS - SUBSTRATE TYPE		
	WOOD	CONC.	STEEL
18"x18"	8	8	8
24"x24"	8	8	8
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FASTENER SPACING: 3" FROM CORNERS
MAX 21" O.C.

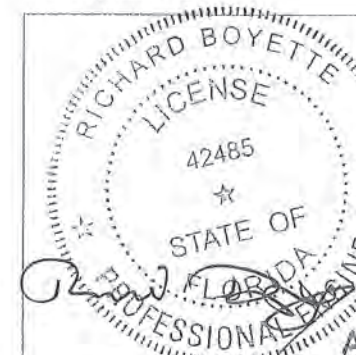


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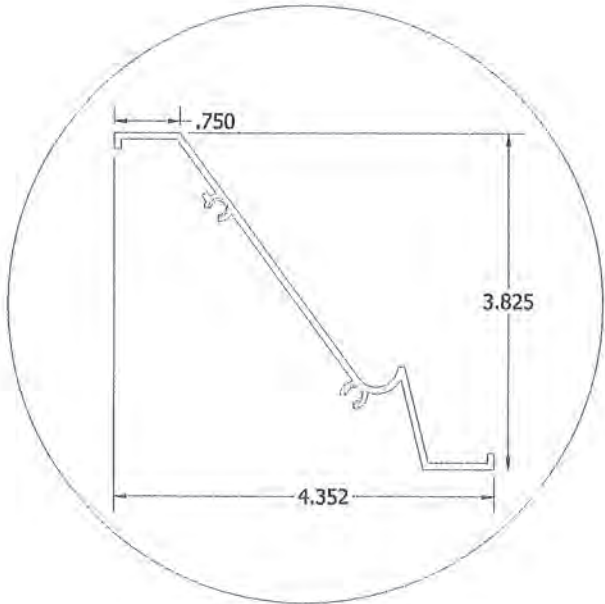
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APPROVED MAR 20 2024

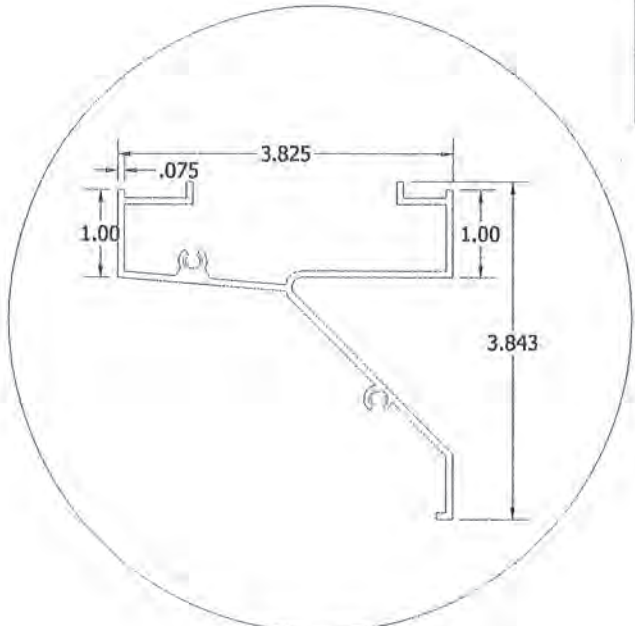
DWG NO.	4SRF - 4SRCF	Sheet 3 of 4
TITLE	IMPACT RESISTANT CHANNEL FRAME LOUVER Model 4-SRCF	
DRAFTER	DAVID LEI	DATE 8-12-2013

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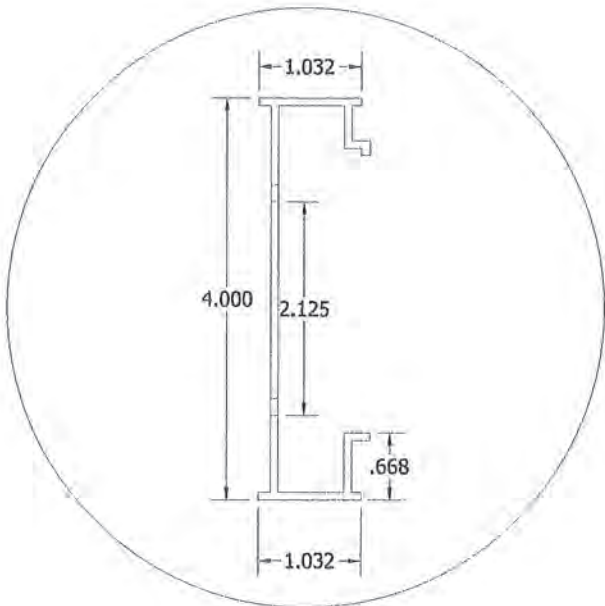
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Detail Item 1



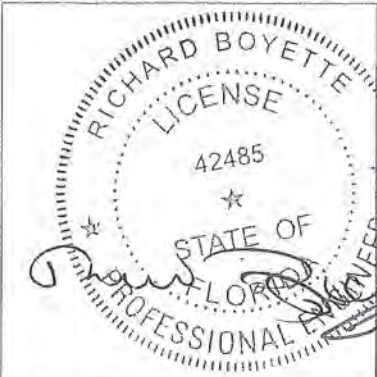
Detail Item 2



Detail Item 3

- 2 This product complies with the provisions of 2020 FBC and is approved for use in HVHZ
- 3 This product complies with the provisions of 2023 FBC and is approved for use in HVHZ

Note: These louvers have not been tested for water infiltration per TAS 100(A) (Wind Driven Rain Resistance Test). They are to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/water proof equipment, components, or supplies".



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