



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 2SRF and 2SRCF Aluminum Louvers

APPROVAL DOCUMENT: Drawing No. 2SRF-2SRCF, titled "Model 2-SRF/2-SRCF Louver", sheets 1 through 4 of 4, dated 10/07/2014, prepared by the manufacturer, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 14-1117.06 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.



[Handwritten Signature]
 10/15/2015

NOA No. 15-0818.14
 Expiration Date: June 18, 2020
 Approval Date: October 22, 2015
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **2SRF-2SRCF**, titled "Model 2-SRF/2-SRCF Louver", sheets 1 through 4 of 4, dated 10/07/2014, prepared by the manufacturer, signed and sealed by Richard Boyette, P.E.

B. TESTS *"Submitted under NOA # 14-1117.06"*

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 2-SRCF louver, prepared by Architectural Testing Inc., Test Report No. **D9464.01-109-18**, dated 10/01/2014, signed and sealed by Michael D. Stremmel, P.E.

C. CALCULATIONS

1. Anchors calculations issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 14-1117.06"

2. Anchors calculations issued by Richard Boyette, P.E., dated 11/02/2014, signed and sealed by Richard Boyette, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

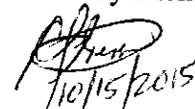
1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E.
2. Statement letter of no financial interest issued by Richard Boyette, P.E., dated 08/03/2015, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 14-1117.06"

3. Statement letter of code conformance to 2010 and 5th edition (2014) FBC, dated 11/02/2014, issued, signed and sealed by Richard Boyette, P.E.
4. No financial interest letter dated 11/03/2014, issued, signed and sealed by Richard Boyette, P.E.



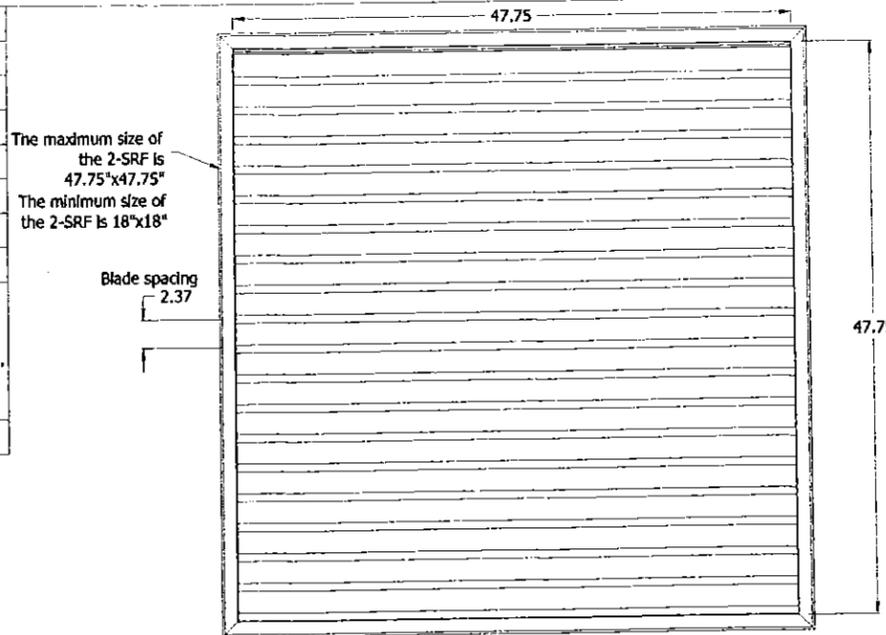
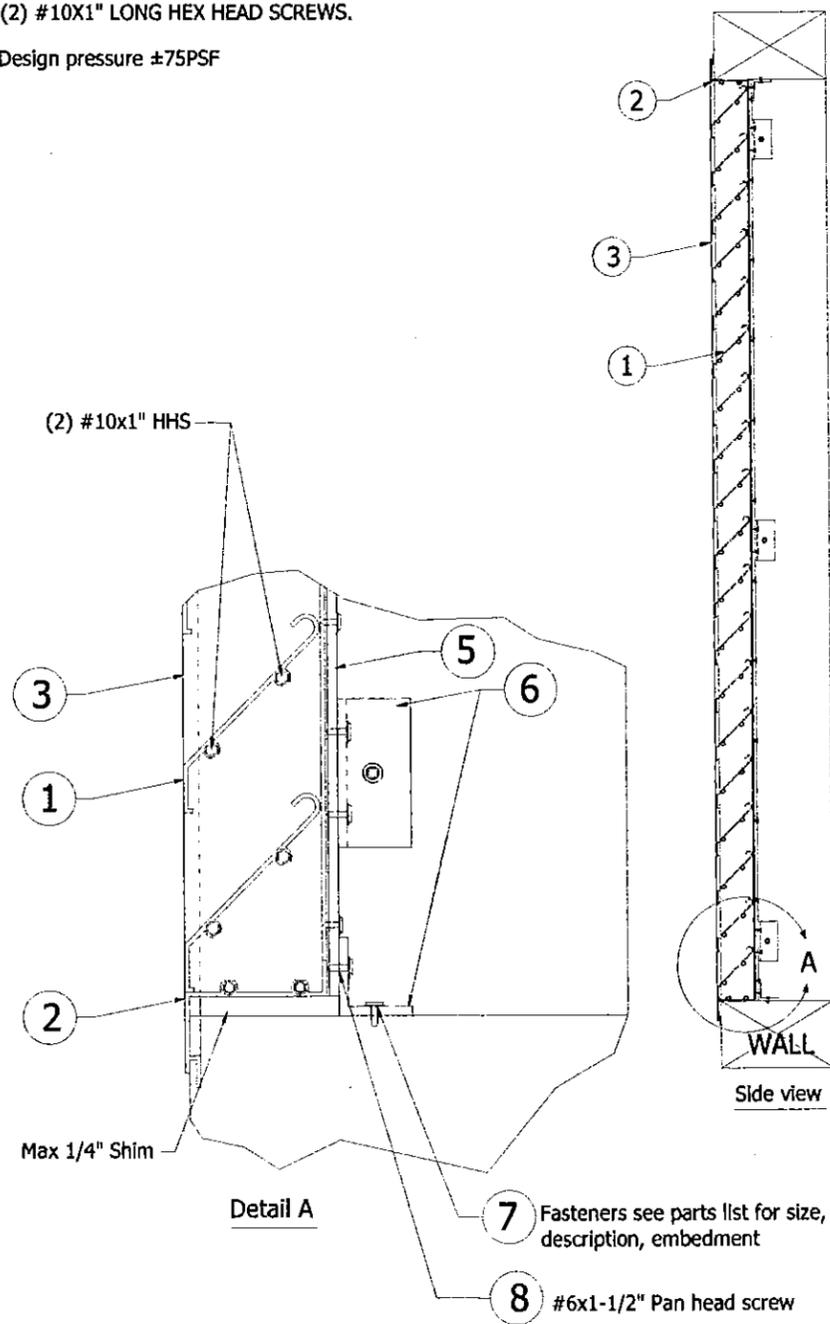
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0818.14

Expiration Date: June 18, 2020
Approval Date: October 22, 2015

PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	20	Blade	0.062" Alloy Aluminum 6061-T6 Extrusion (Max QTY: 20)
2	2	Top and Sill	0.062" Alloy Aluminum 6061-T6 Extrusion
3	2	Side Frame	0.062" Alloy Aluminum 6061-T6 Extrusion
4	1	Screen	0.035" Thick Aluminum Wire
5	2	Back plate	1" x 1/8" x 47-3/4" Alloy Aluminum 6061-T6
6	12	Anchor Clip	1" x 1" x 3" x 0.09" Alloy Aluminum 6061-T6
7	SEE TABLE	#10x1-1/2" Pan head Screw #10-16 kwk-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	16-24	#6x1-1/2" Pan head Screw	

* ALL FASTENERS ARE STAINLESS STEEL
* ALL 4-SRF LOUVER CORNERS ARE SQUARE-CUT, BUTLED AND SECURED WITH (2) #10X1" LONG HEX HEAD SCREWS.

Design pressure ±75PSF

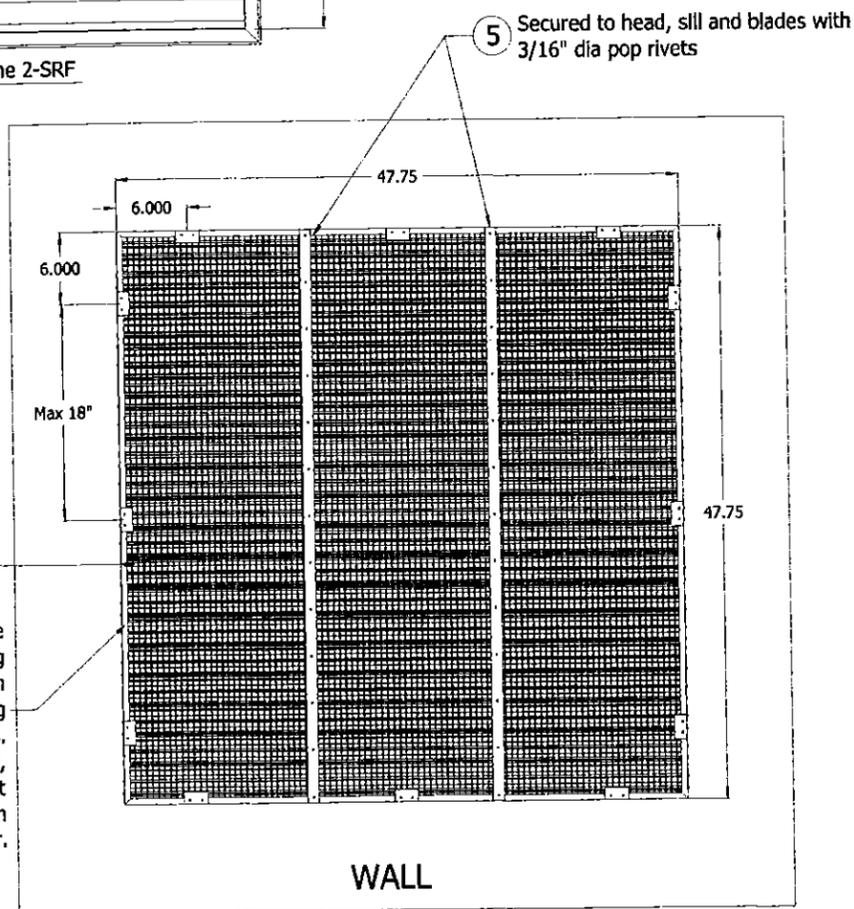


Front view of the 2-SRF

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

FASTENER SPACING: 6" FROM CORNERS
MAX 18" O.C.



Back view of the 2-SRF installs into the wall

The screen secures to the interior of the frame using snap-fit extruded aluminum stops and #10x3/4" long self-tapping hex head screws, the screws located at the head, sill and jamba and are located at each end and spaced 7" on center.

LLOYD INDUSTRIES INC.

231 Commerce Drive, Montgomeryville, PA, 18936

Ph: 215.412.4445 fax: 215.412.4409

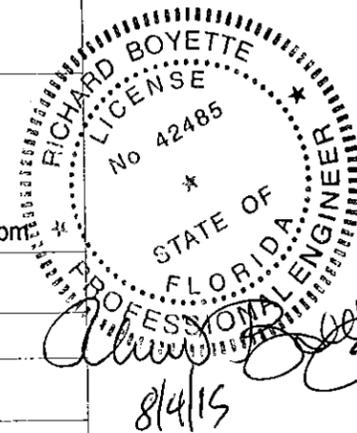
Email: lloydind@firedamper.com Web Site: firedamper.com

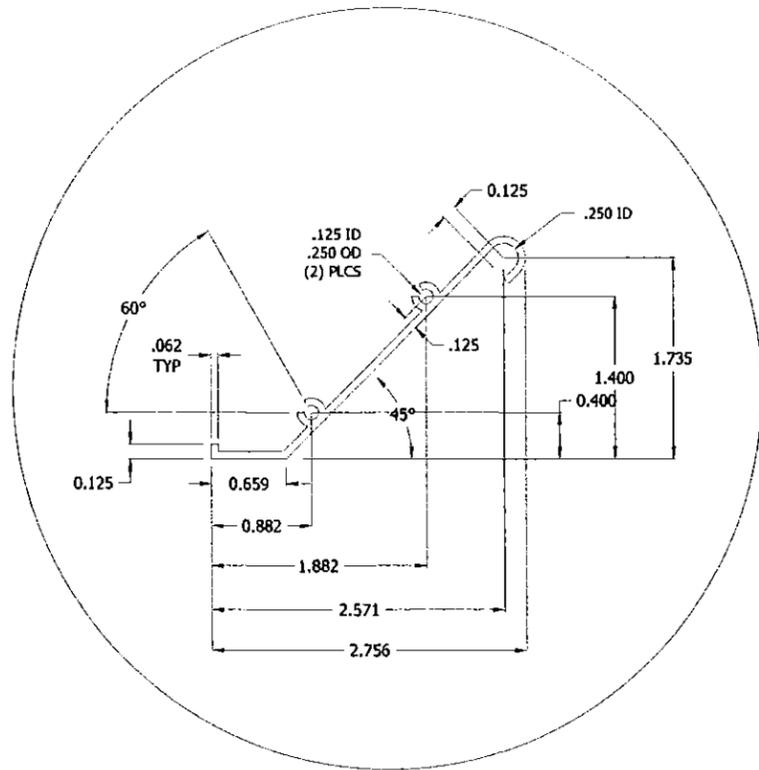
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 15-0819-A
Expiration Date 06/15/2020
By *[Signature]*
Mineral Waste Product Control



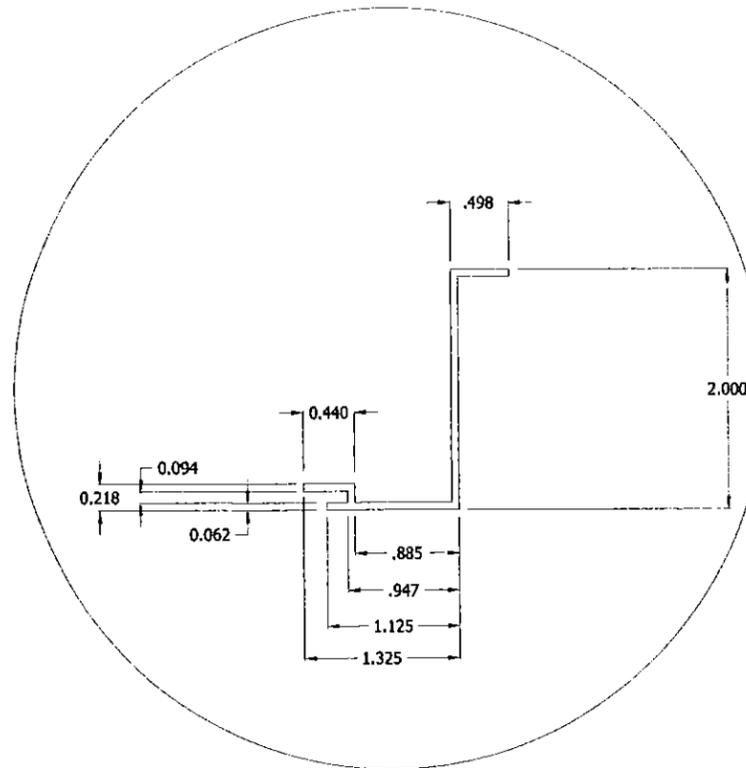
Richard Boyette
FL PE #42485
Rick Boyette Consulting Inc - CoA #9707
4031 Coconut Blvd
Royal Palm Beach FL 33411
561-790-5766

Description	IMPACT RESISTANT LOUVER	
Product#	Model 2-SRF	
Material	DWG NO.	2SRF - 2SRCF
Drawn By	Date	Sheet 1 of 4
C Chu	10/7/2014	

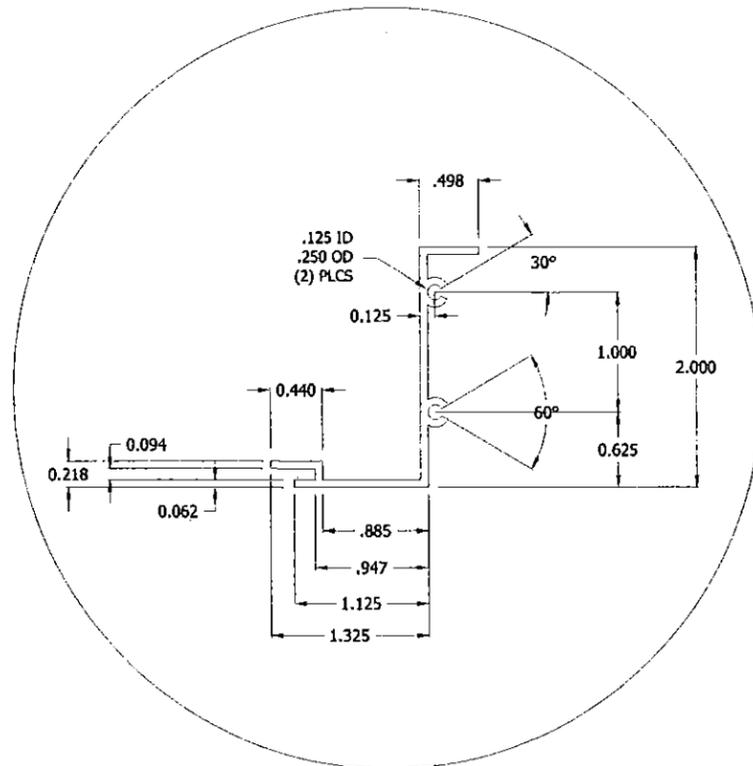




Detail Item 1



Detail Item 3



Detail Item 2

Note: These louver s 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.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0318-A
Expiration Date 06/18/2020
By *[Signature]*
Miami Trade Product Control



LLOYD INDUSTRIES INC.

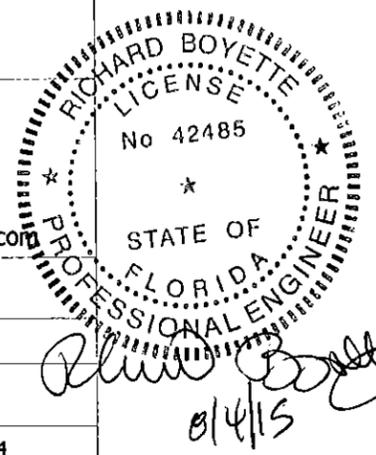
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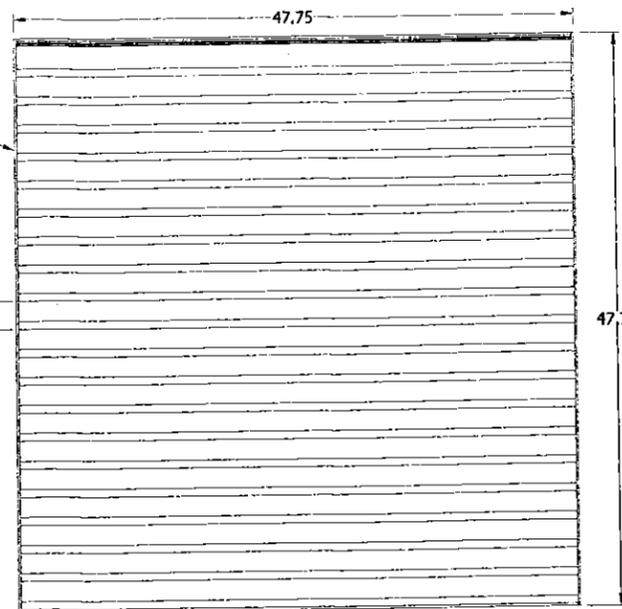
Description		IMPACT RESISTANT LOUVER
Product#		Model 2-SRF
Material	DWG NO	2SRF - 2SRCF
Drawn By:	Date:	Sheet 2 of 4
C Chu	10/7/2014	



PARTS LIST			
ITEM	QTY	PART	DESCRIPTION
1	20	Blade	0.062" Alloy Aluminum 6061-T6 Extrusion (Max QTY: 20)
2	2	Top and Sill	0.062" Alloy Aluminum 6061-T6 Extrusion
3	2	Side Frame	0.062" Alloy Aluminum 6061-T6 Extrusion
4	1	Screen	0.035" Thick Aluminum Wire
5	2	Back plate	1" x 1/8" x 47-3/4" Alloy Aluminum 6061-T6
6	12	Anchor Clip	1" x 1" x 3" x 0.09" Alloy Aluminum 6061-T6
7	SEE TABLE	#10X1-1/2" Pan Head 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	#6X1-1/2" Pan head Screw	

The maximum size of the 2-SRCF is 47.75"x47.75"
The minimum size of the 2-SRCF is 18"x18"

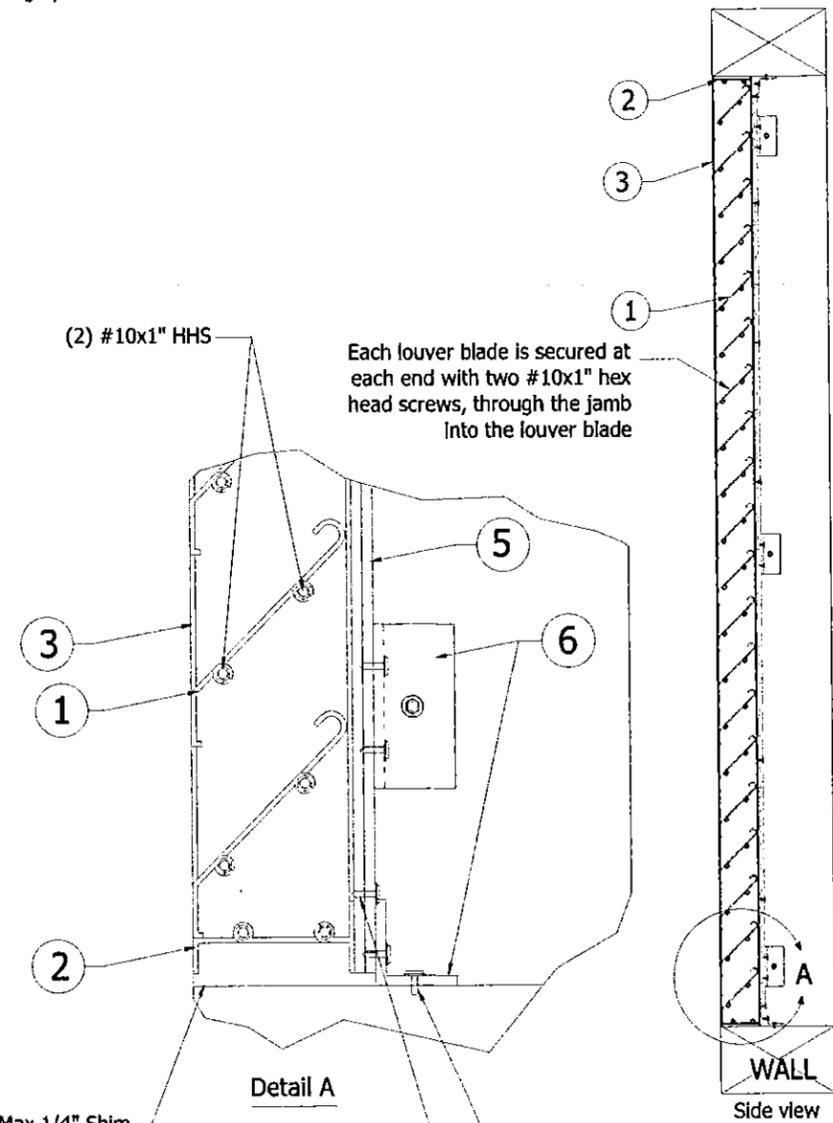
Blade spacing
2.34



Front view of the 2-SRCF

* ALL FASTENERS ARE STAINLESS STEEL
* ALL 2-SRCF LOUVER CORNERS ARE SQUARE-CUT, BUTLED AND SECURED WITH (2) #10X1" LONG HEX HEAD SCREWS.

Design pressure ±75PSF



Max 1/4" Shim

Detail A

WALL

Side view

Each louver blade is secured at each end with two #10x1" hex head screws, through the jamb into the louver blade

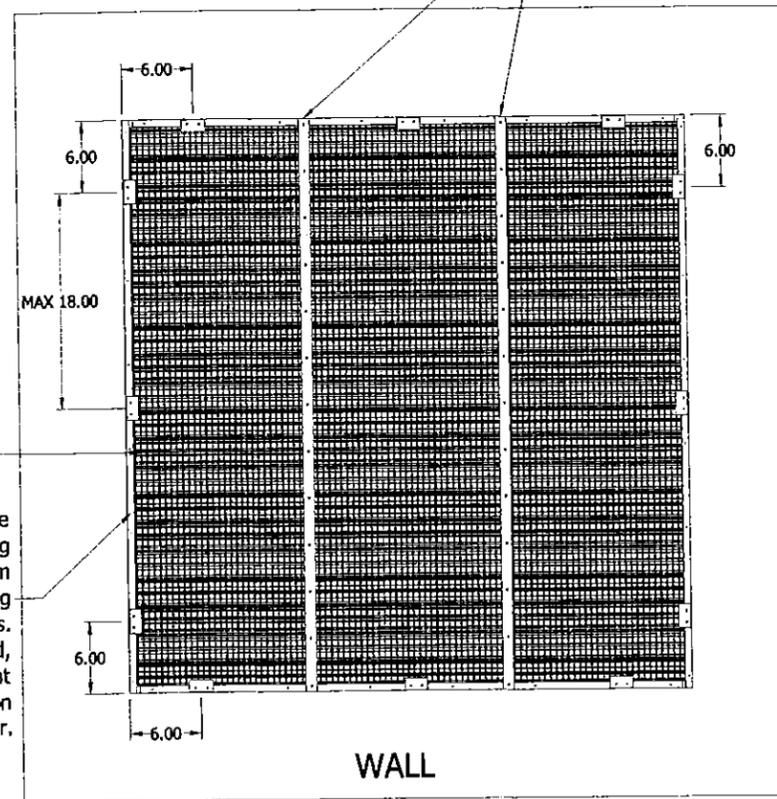
7 Fasteners see parts list for size, description, embedment

8 #6x1-1/2" Pan Head Screw

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

FASTENER SPACING: 6" FROM CORNERS
MAX 18" O.C.



WALL

Back view of the 2-SRCF installs into the wall

The screen secures to the interior of the frame using snap-fit extruded aluminum stops and #10x3/4" 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.

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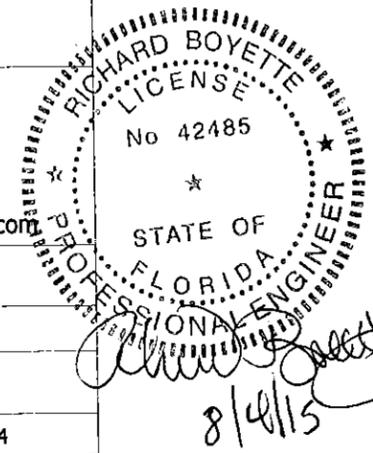
Email: lloydind@firedamper.com Web Site: firedamper.com

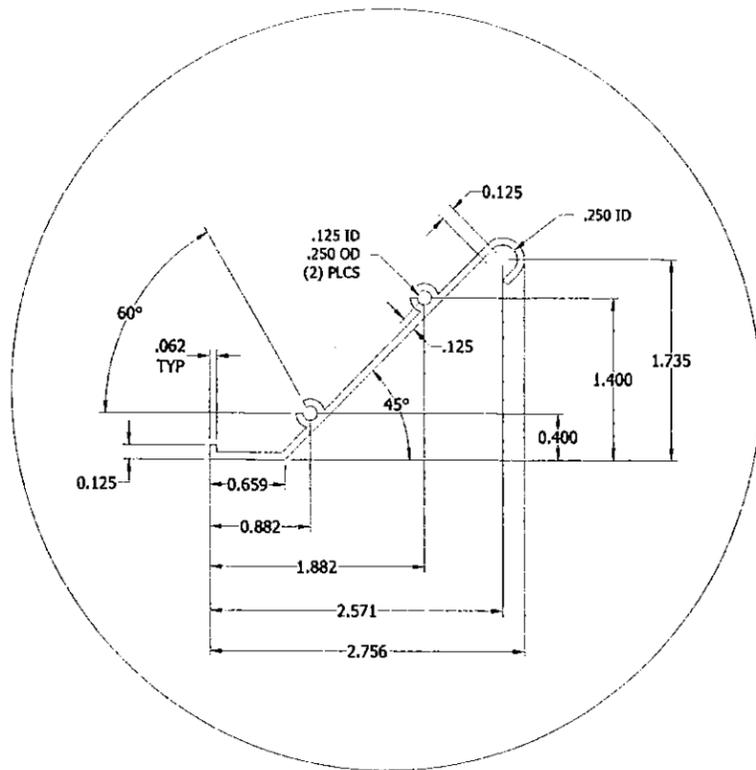
PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 15-0518-14
Expiration Date 02/17/2020
By *[Signature]*
Miami Dade Product Control



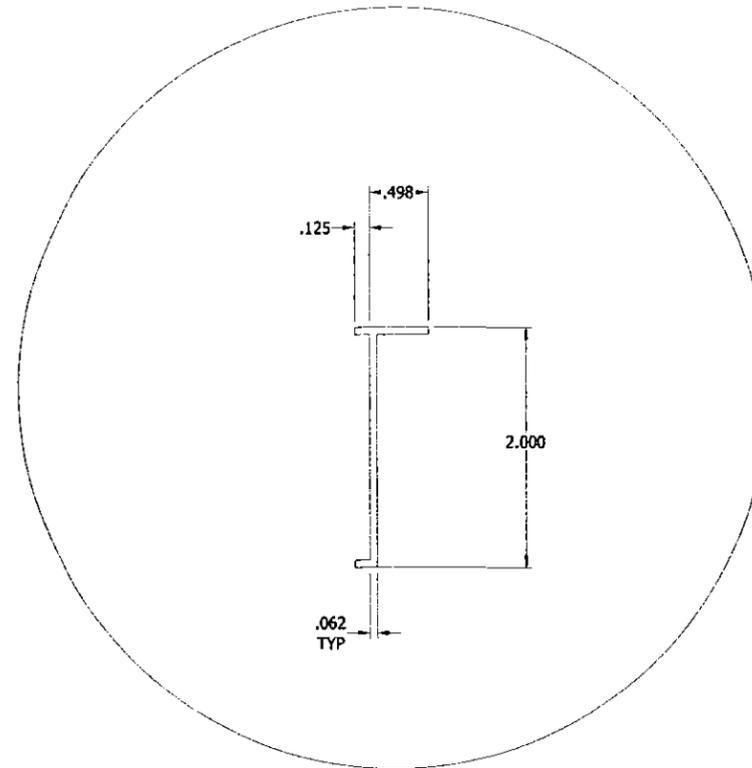
Richard Boyette
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Royal Palm Beach FL 33411
561-790-5766

Description	IMPACT RESISTANT CHANNEL FRAME LOUVER		
Product#	Model 2-SRCF		
Material	DWG NO.	2SRCF	
Drawn By	Date	Sheet 3 of 4	
C Chu	10/7/2014		

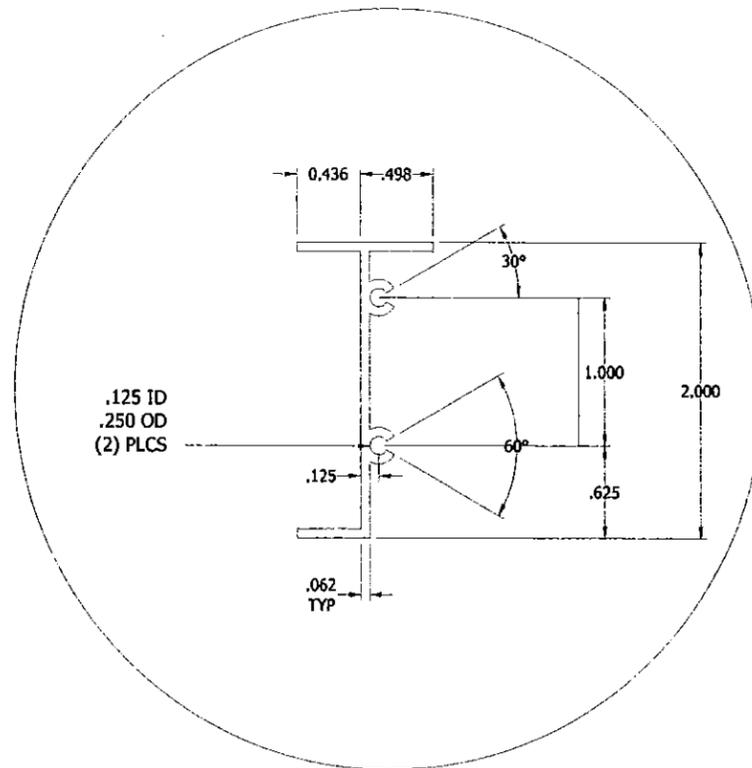




Detail Item 1



Detail Item 3



Detail Item 2

Note: These louver s 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.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 15-0919-14
 Expiration Date 06/15/2020
 By *[Signature]*
 Miami Desk Product Control



LLOYD INDUSTRIES INC.

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 561-790-5766

Description: **IMPACT RESISTANT CHANNEL FRAME LOUVER**

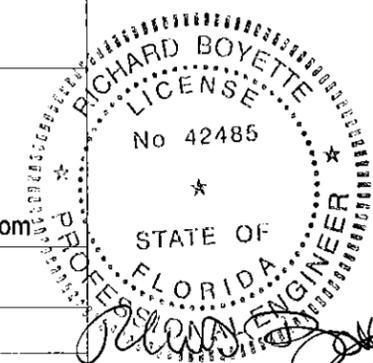
Product#: **Model 2-SRCF**

Material: **DWG NO. 2SRCF**

Drawn By: **C Chu**

Date: **10/7/2014**

Sheet 4 of 4



8/4/15