



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

Ruskin Company
 3900 Dr. Greaves Road
 Grandview, MO 64030

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 ELC6375DXD Aluminum Combination Louver

APPROVAL DOCUMENT: Drawing No. 60-022114-00B, titled "ELC6375DXD - Combination Louver" sheets 1 through 9 of 9, dated 11/15/2008, with revision B dated 01/23/2014, prepared by Ruskin Company, signed and sealed by Edward P. Hutson, Jr., 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, Geneva, AL, 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 # 12-0913.13 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.



[Signature]
 03/26/2014

NOA No. 14-0211.15
 Expiration Date: February 11, 2019
 Approval Date: April 3, 2014
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **60-022114-00B**, titled "ELC6375DXD - Combination Louver", sheets 1 through 9 of 9, dated 11/15/2008, with revision B dated 01/23/2014, prepared by Ruskin Company, signed and sealed by Edward P. Hutson, Jr., P.E.

B. TESTS "Submitted under NOA # 12-0913.13"

1. Test report on High Velocity Wind Driven Rain Resistance per AMCA 550 of a Model ELC6375DXD Extruded Combination Louver, prepared by PRI Construction Materials Technologies, LLC, Test Report No. **RCV-016-02-01**, dated 09/07/2012, signed and sealed by Duc T. Nguyen, P.E.

"Submitted under NOA # 08-1211.05"

2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Model ELC6375DXD Combination Louvers, prepared by National Certified Testing Laboratories, Test Report No. **210-3550-1**, dated 10/27/2008, signed and sealed by Gerard J. Ferrara, P.E.

C. CALCULATIONS

1. Wind load bending and anchoring calculations, dated 01/23/2014, prepared by Ruskin Company, signed and sealed by Edward P. Hutson, Jr., P.E.

"Submitted under NOA # 08-1211.05"

2. Wind load bending and anchoring calculations, dated 11/14/2008, pages 1 to 23 of 23, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, P.E.

D. QUALITY ASSURANCE

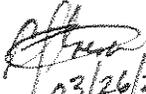
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

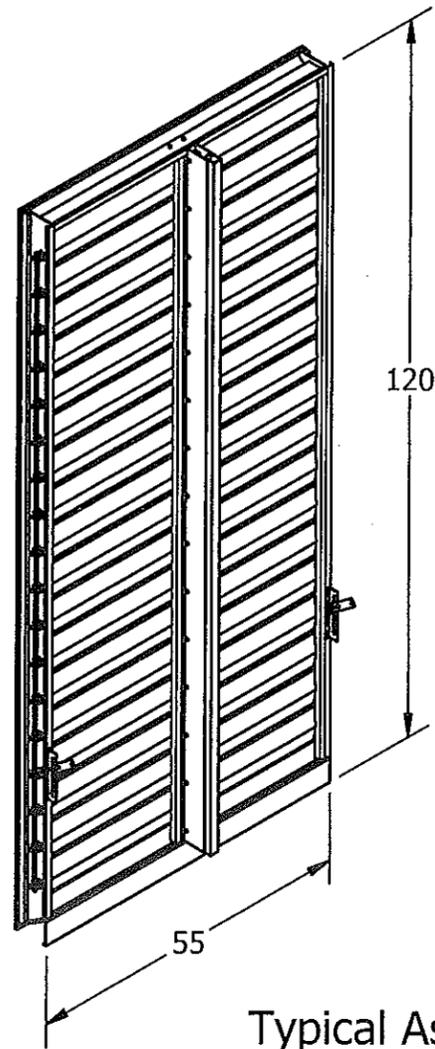
1. Test report on impact test per AMCA 540 of an ELC6375DXD louver, prepared by Ruskin Company, Test Report No. **070212B**, dated 07/02/2012, signed and sealed by Daniel J. Rau, P.E.

F. STATEMENTS

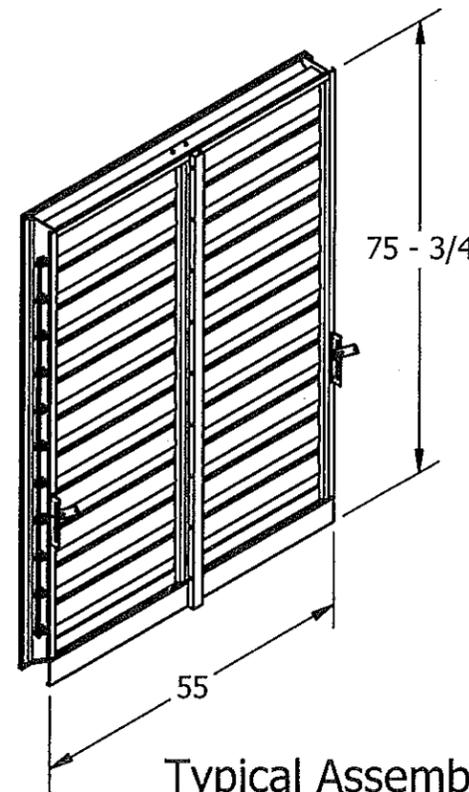
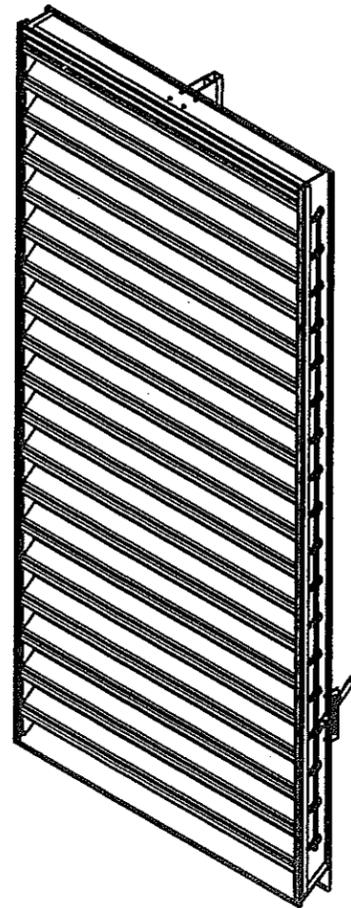
1. Statement letter of code conformance to 2010 FBC, issued by Ruskin Company, dated 01/23/2014, signed and sealed by Edward P. Hutson, Jr., P.E.
2. No financial interest letter issued by Ruskin Company, dated 01/23/2014, signed and sealed by Edward P. Hutson, Jr., P.E.


03/26/2014

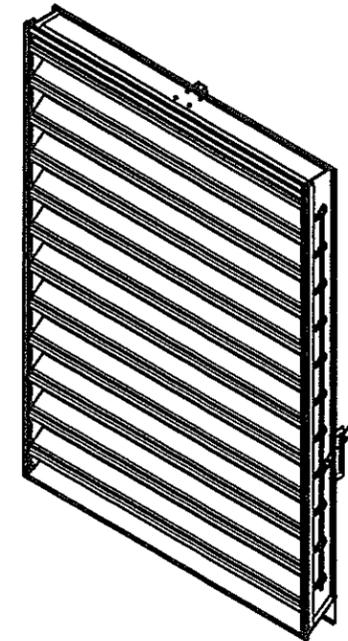
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0211.15
Expiration Date: February 11, 2019
Approval Date: April 3, 2014



Typical Assembly Section - Ref. Sheet 5



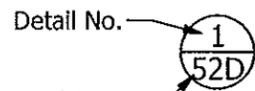
Typical Assembly Section - Ref. Sheet 4



Edward P. Hutson, Jr.
1/21/2014

NOTES: (B)

1. Dimensions Shown Are Actual Size.
2. Louver Is Designed For Windload Of ± 110 PSF.
3. Abbreviations:
4. Sealing Requirements Around Louver Shall Comply With Provisions Of Chapter 15 Of Florida Building Code.
5. Detail Balloon Description:



Dwg. No. Detail Is Referenced On.

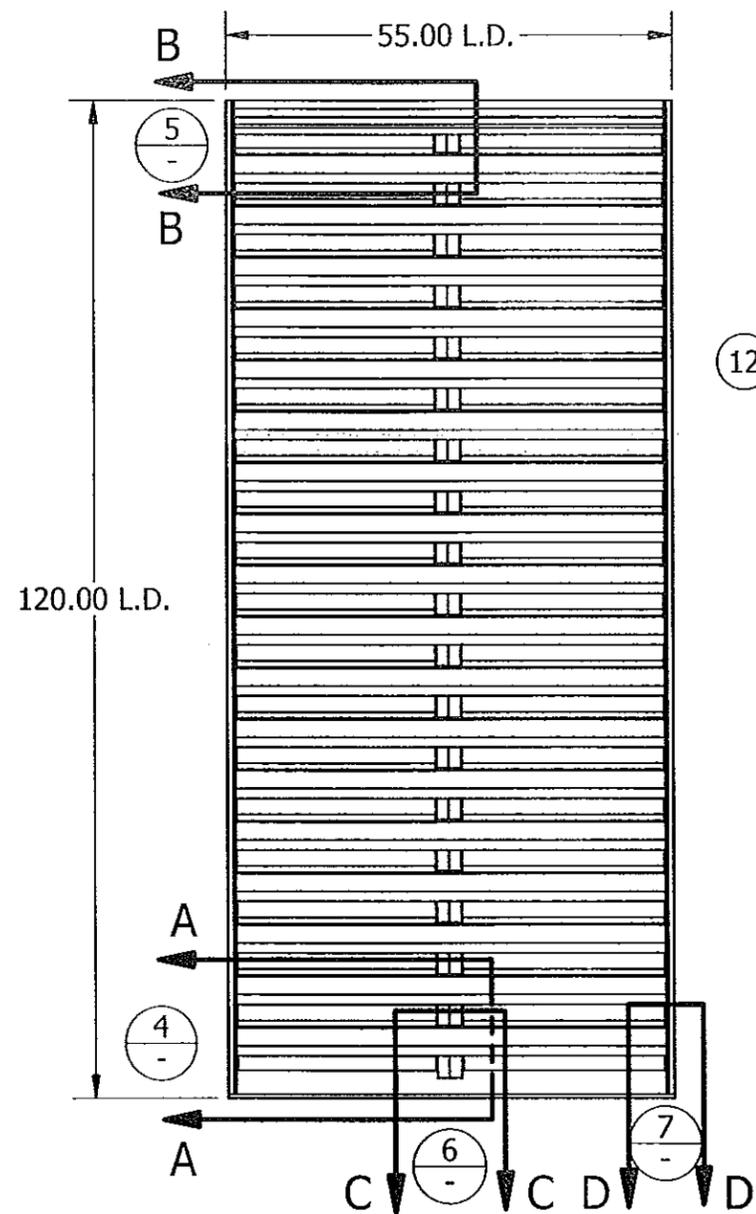
6. Mill Finish Is Standard. Painted And Anodized Finishes Are Also Available.
- (A) 7. Maximum Single Section Size Is 55" x 120", Maximum Field Assembled Size Is Unlimited Width x 120" tall. Units May Be Constructed In Smaller Sizes. Minimum Outside Dimensions Are 12" x 12".
8. Ruskin Does Not Install ELC6375DXD Louver. Proper Louver Installation Per Approved Installation Details Is The Responsibility Of The Installation Contractor.
9. Ref Sheets 2 Thru 5 For Details, 6 Thru 8 For Parts And 9 For Parts List.
10. It Shall Be The Responsibility Of The Permit Holder / Engineer Of Record To Verify The Structural Integrity Of The Existing Structure To Support The Loads Imposed By The Louver.
11. All Dissimilar Materials Including Steel That Is In Contact With Aluminum Shall Be Protected In Compliance With Florida Building Code 2003.8.4.2.

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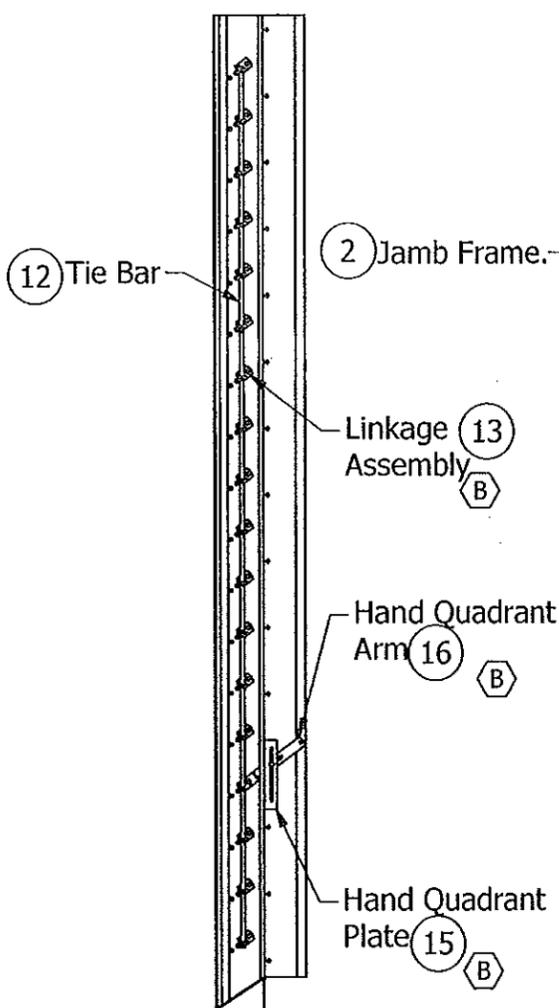
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-022114
Expiration Date 02/11/2019
By [Signature]
Miami Dade Product Control

Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

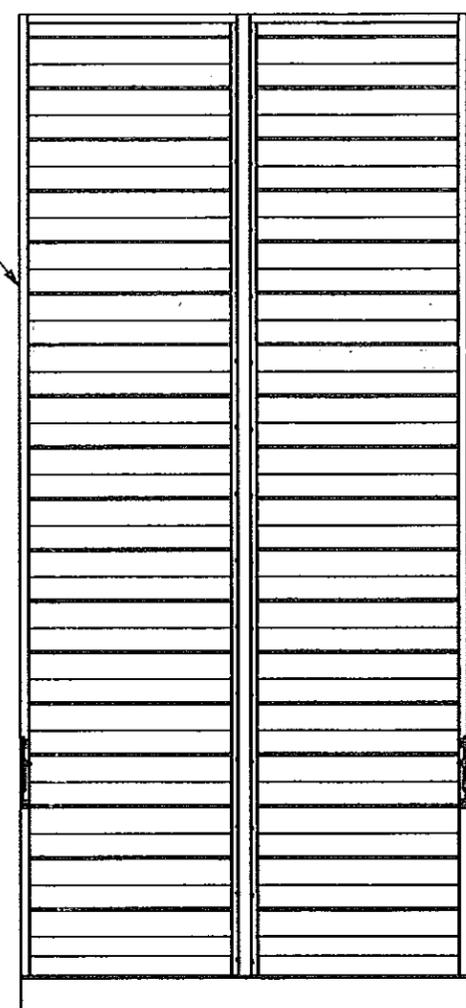
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CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
MATERIAL	PRODUCT					
	TITLE ELC6375DXD - Combination Louver - Specs Notes And Sections					
	SIZE B	DWG NO 60-022114-00B			REV	
ECN	SCALE	INVENTOR	SHEET 1 OF 9			



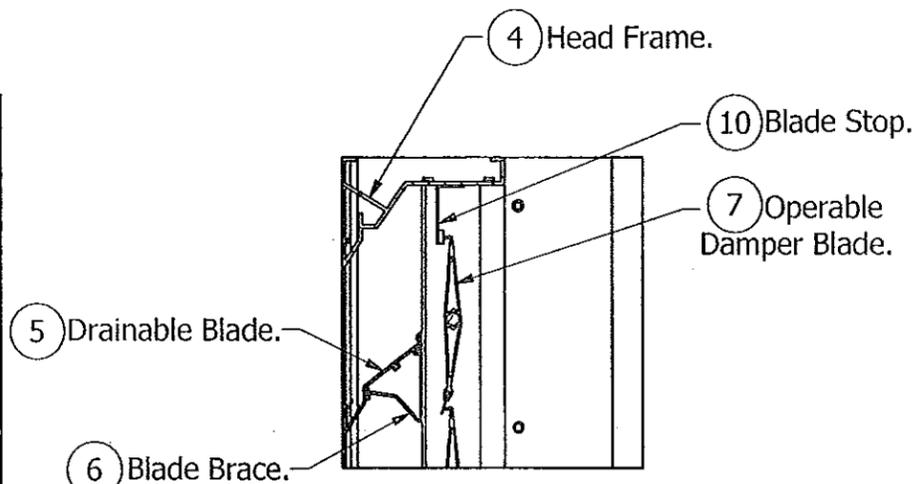
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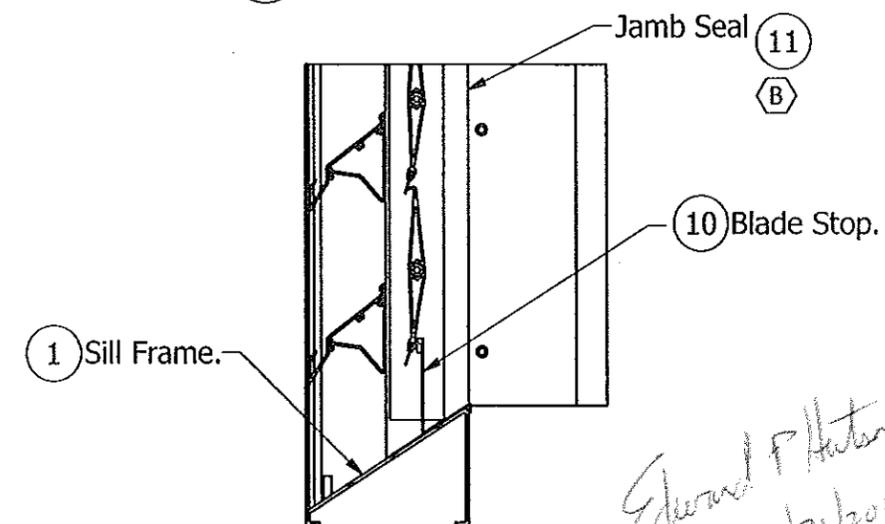
1 - Side Elevation



3 - Rear Elevation

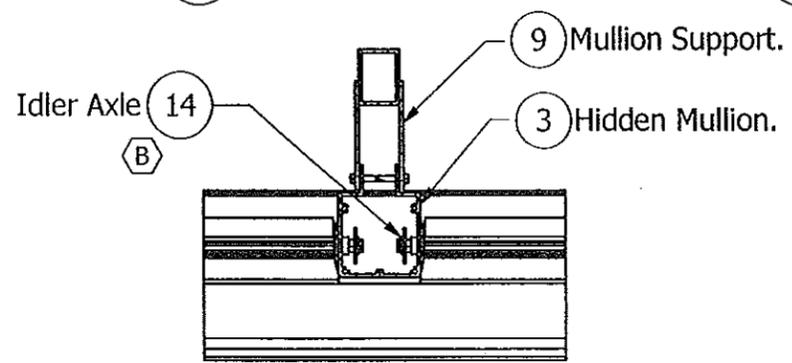


5 - SECTION B-B

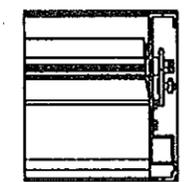


4 - SECTION A-A

Edward P. Hutson, Jr.
1/31/2014



6 - SECTION C-C



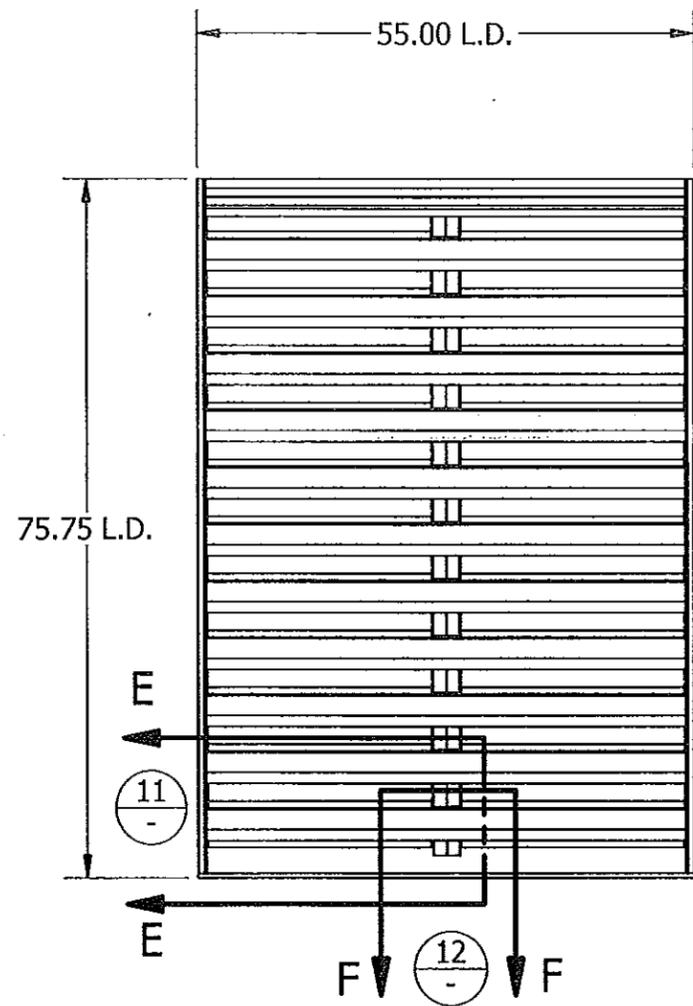
7 - SECTION D-D

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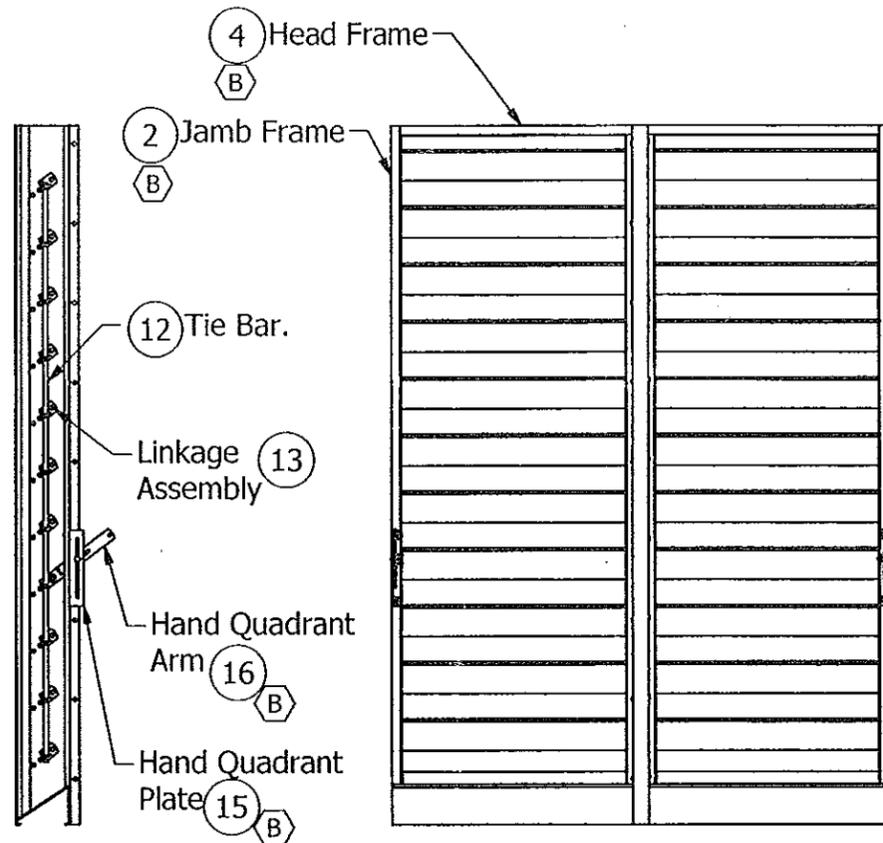
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 14-0211.15
Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

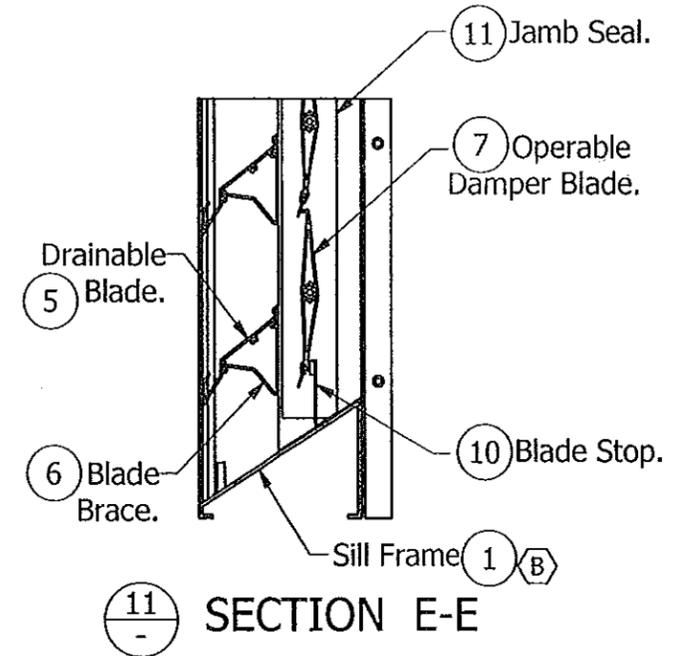
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CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
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ELC6375DXD - Combination Louver - Elevations And Sections						
SIZE	B	DWG NO		60-022114-00B		REV
ECN	SCALE		INVENTOR		SHEET 2 OF 9	



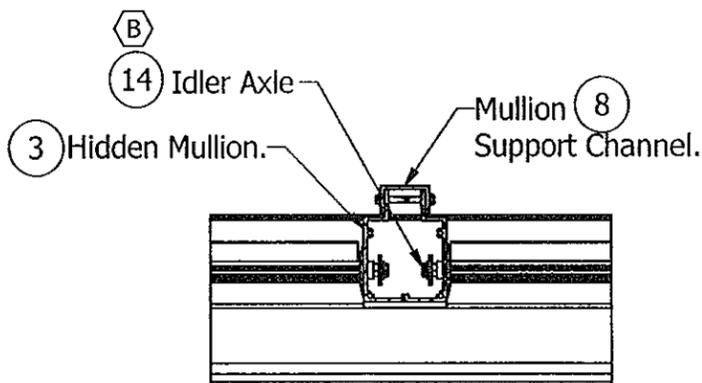
9 Front Elevation



8 Side Elevation



10 Rear Elevation



12 SECTION F-F

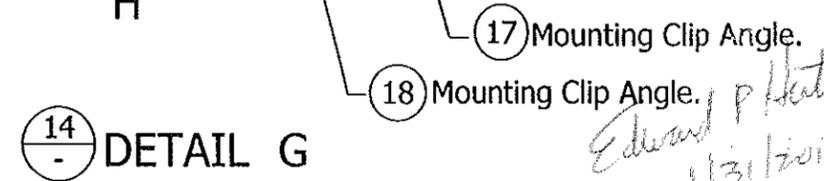
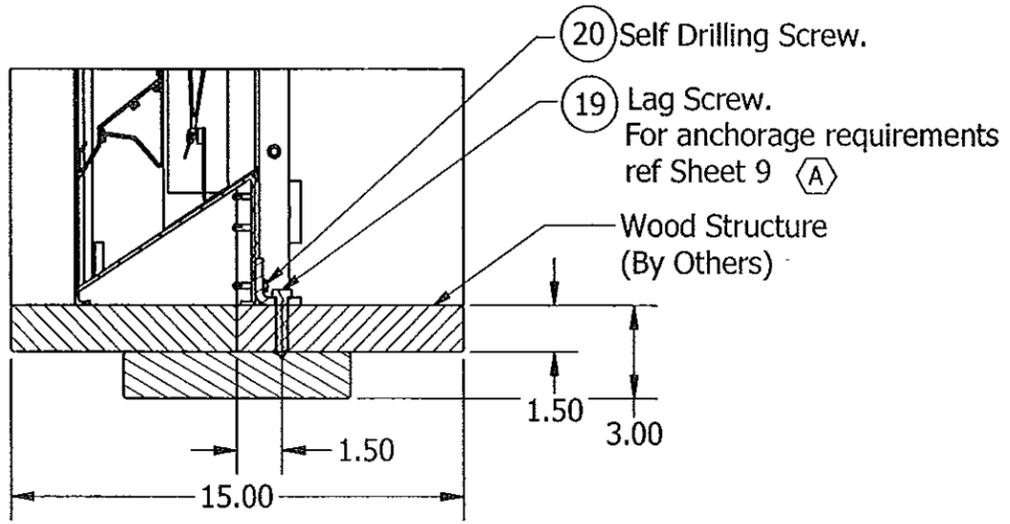
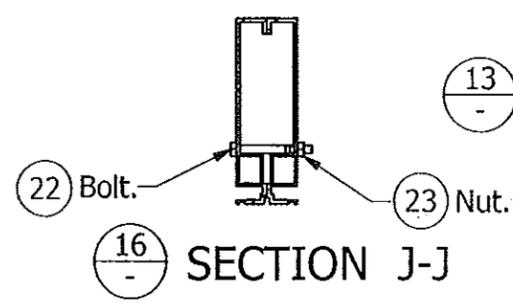
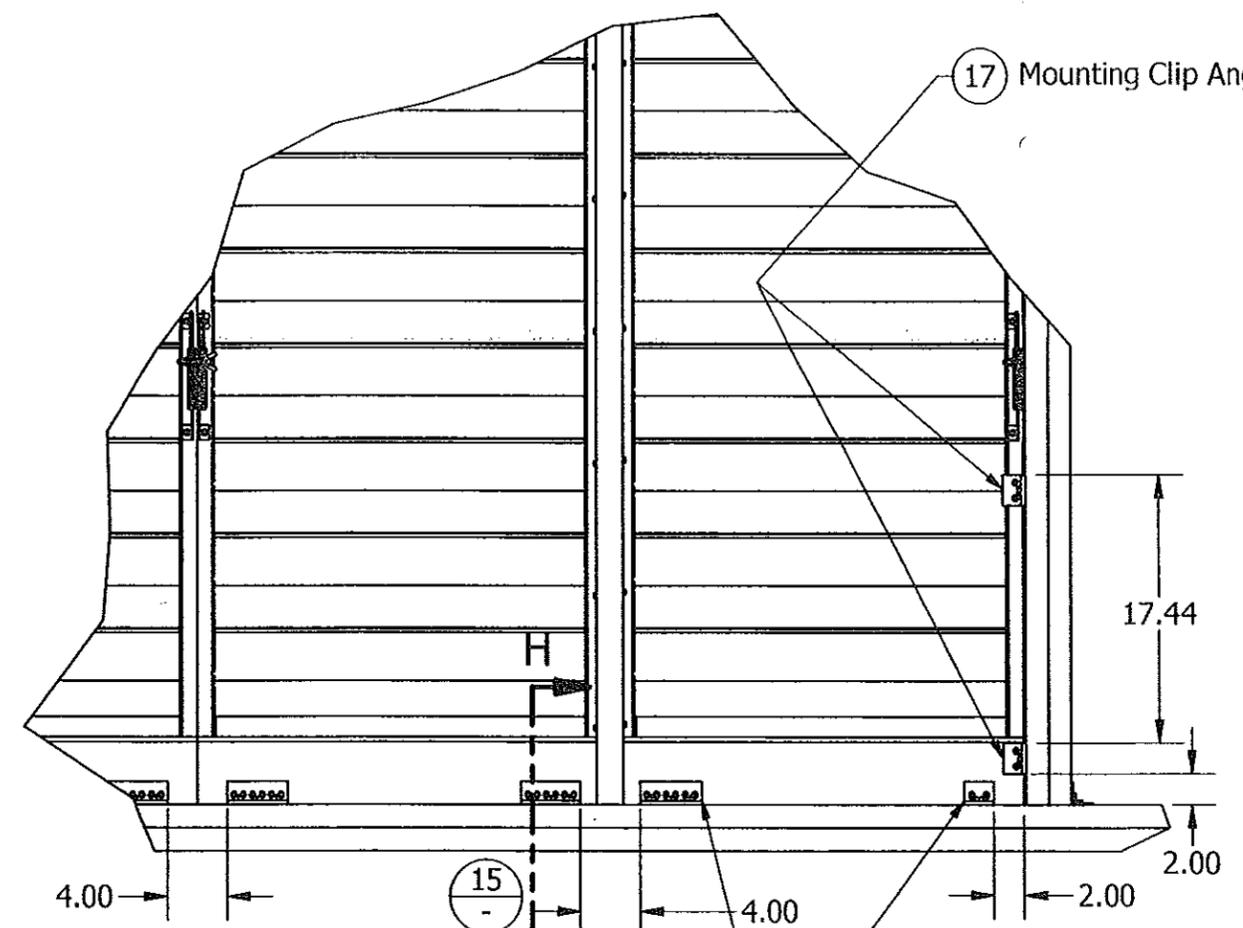
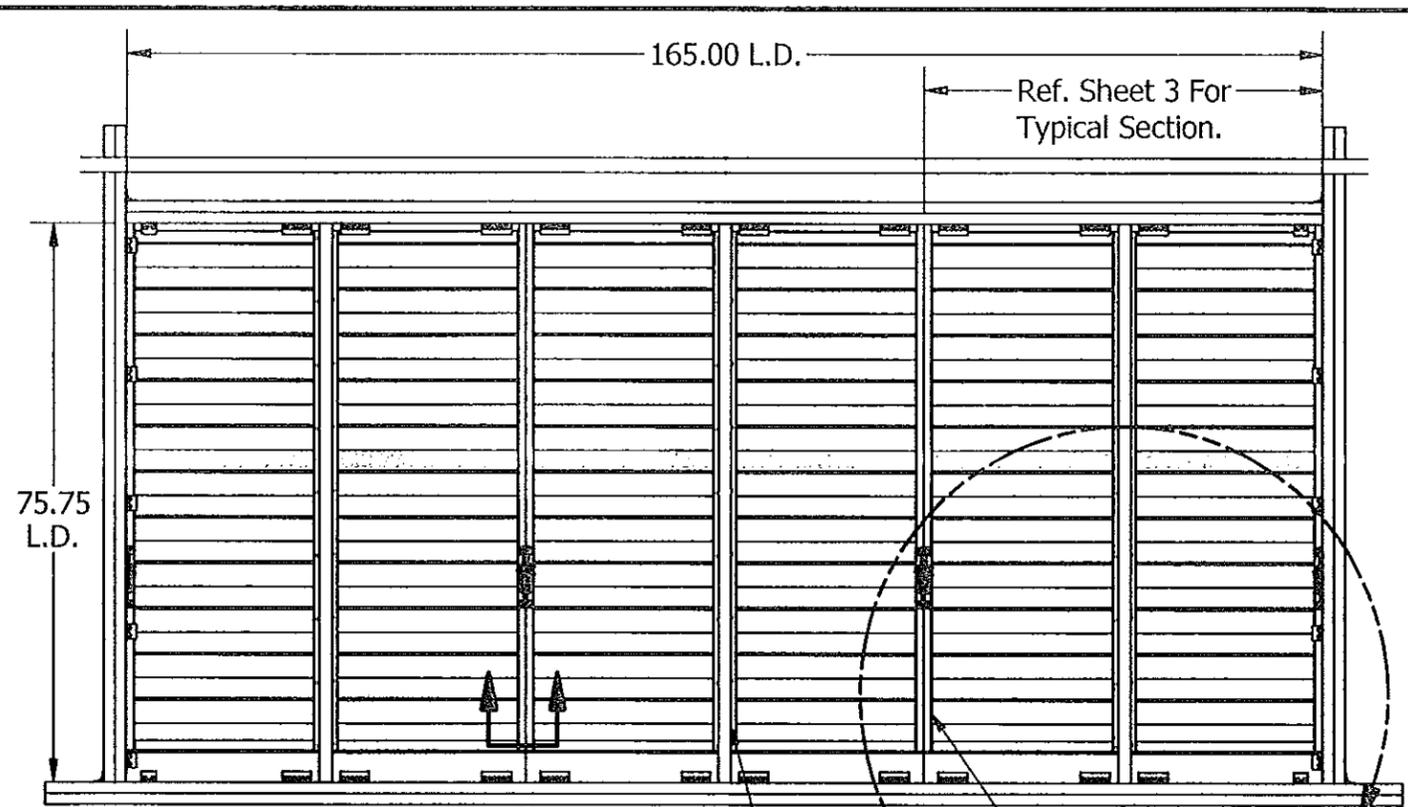
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PRODUCT REVISED
 as complying with the Florida
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 Acceptance No. 14-021115
 Expiration Date 02/11/2019
 By [Signature]
 Miami Dade Product Control

Engineer Of Record:
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Edward P. Hutson Jr.
 1/31/2014

B	Engineer Of Record, Added Part Tags	DRP	RKP			1/23/14
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ECN	SCALE		INVENTOR	SHEET 3 OF 9		



Edward P. Hutson, Jr.
11/31/2014

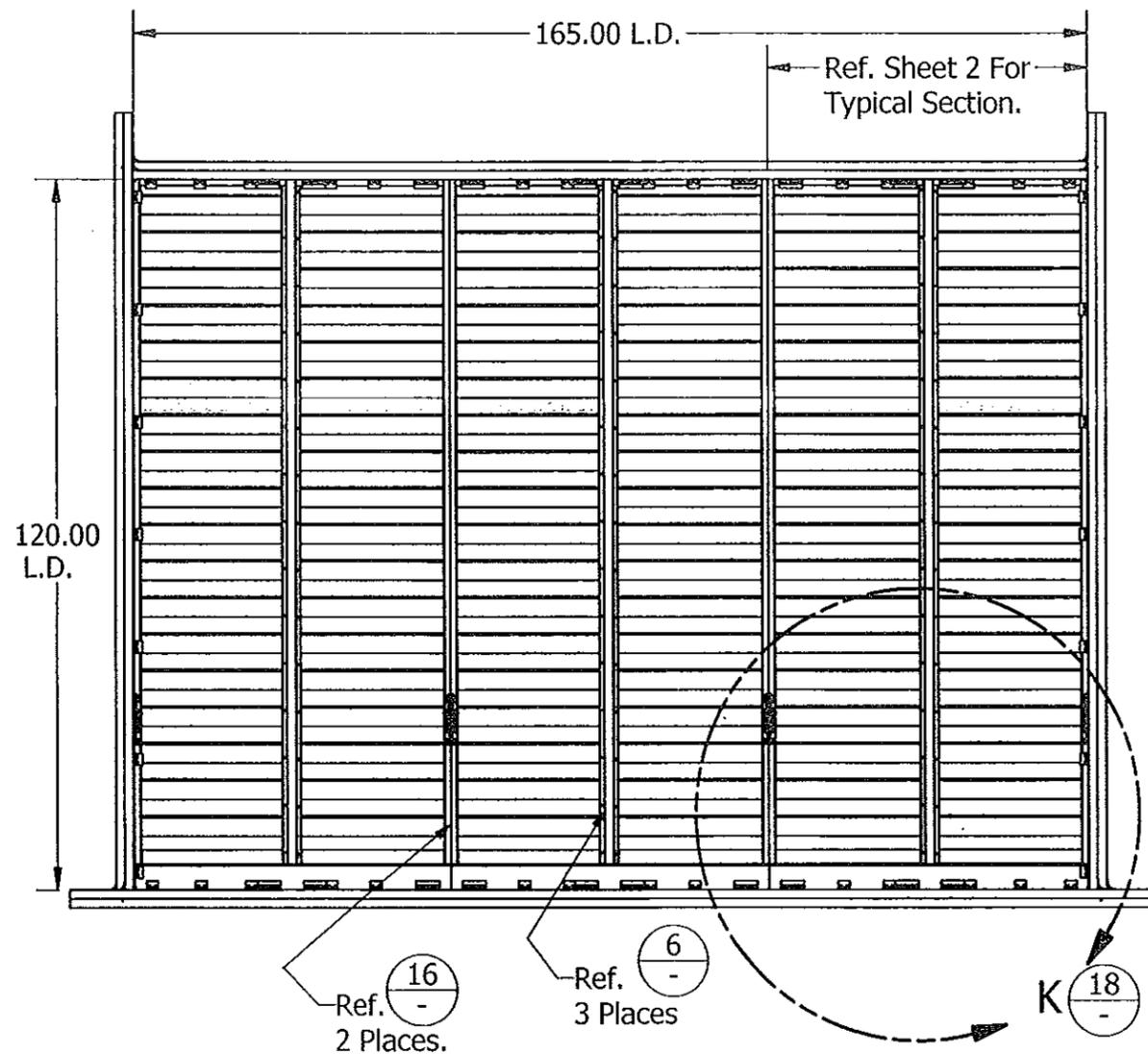
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Acceptance No 14-0211.15
Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

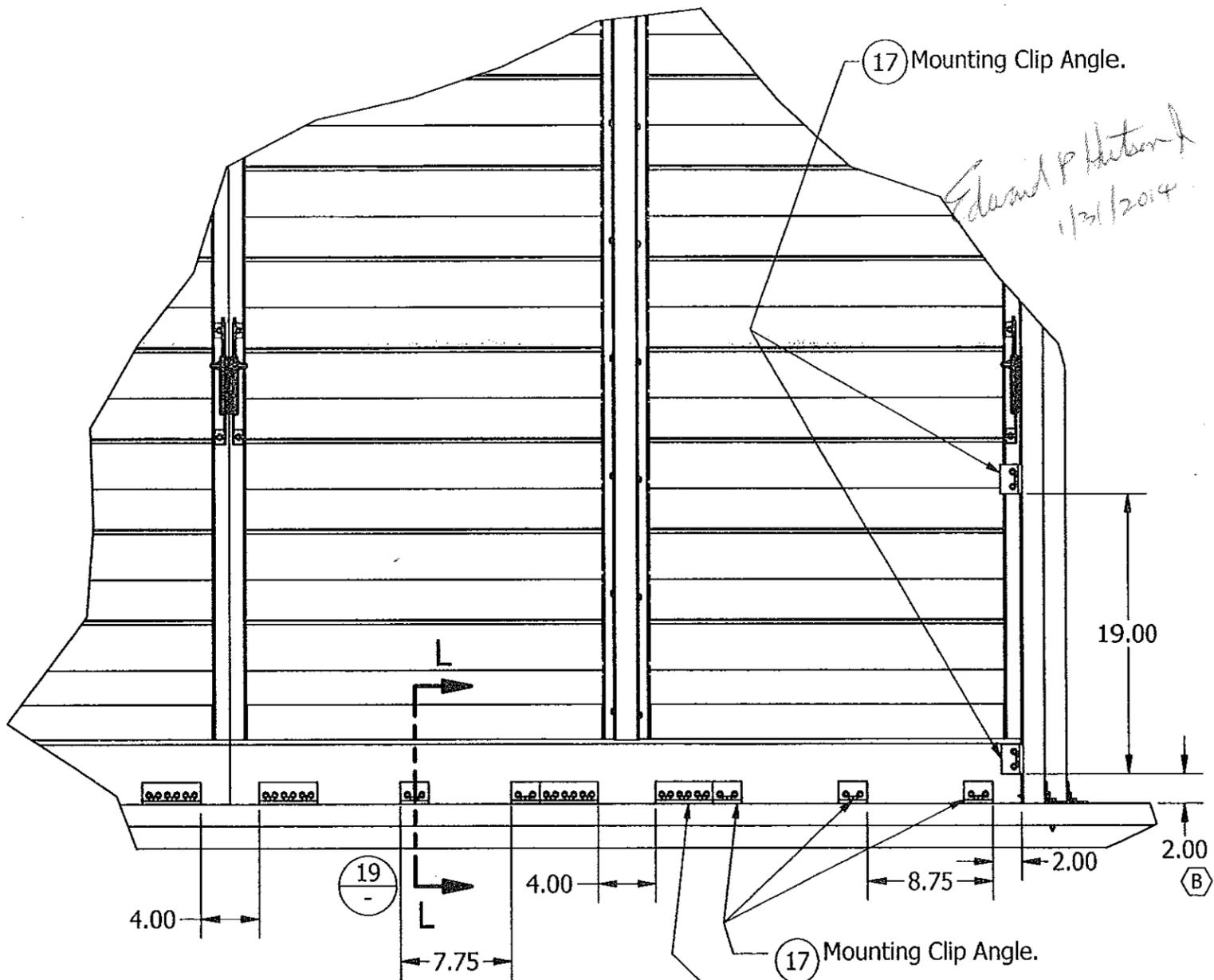
Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

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REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
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CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
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ECN	SCALE		INVENTOR	SHEET 4 OF 9		

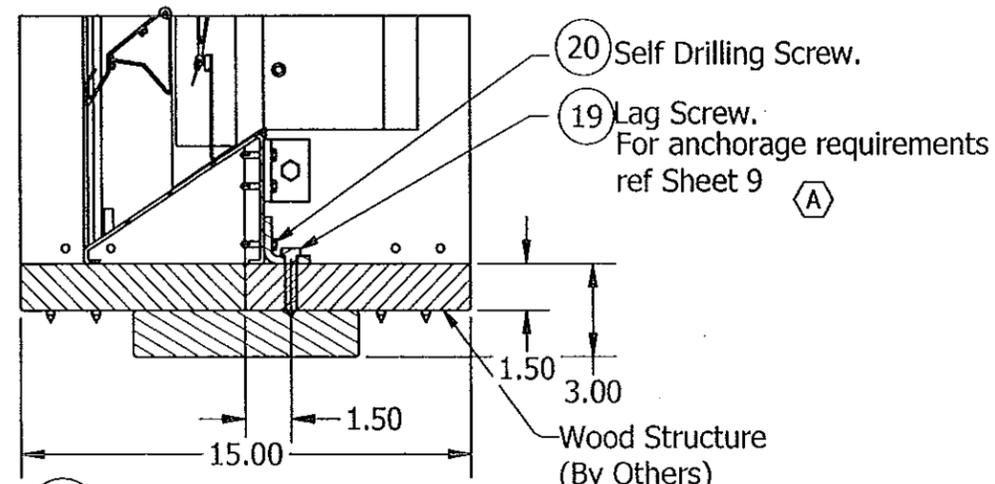
15 SECTION H-H



17 - Rear Elevation



18 - DETAIL K



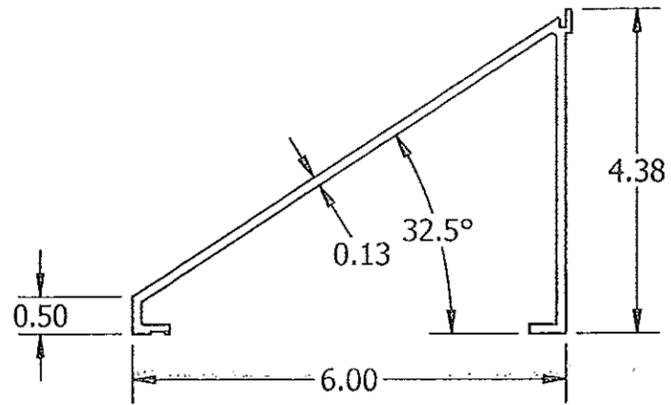
19 - SECTION L-L

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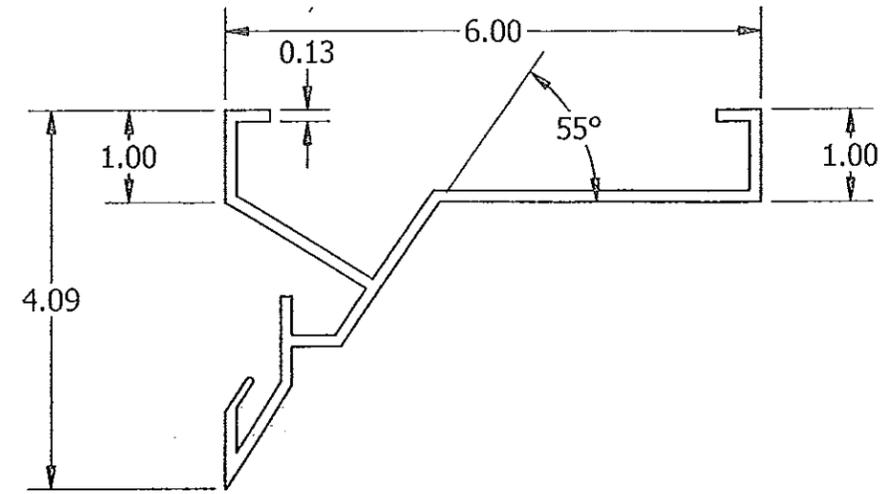
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0211-15
 Expiration Date 02/11/2019
 By *[Signature]*
 Miami/Dade Product Control

Engineer Of Record:
 Edward P. Hutson, Jr.
 Engineering Discipline:
 Civil Engineer
 State Of Florida #0052339

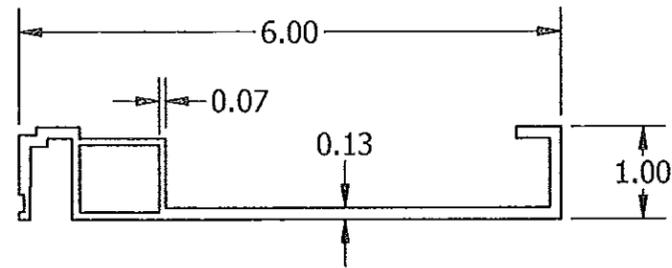
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TITLE ELC6375DXD - Combination Louver - Elevation, Section And Detail						
SIZE	B	DWG NO	60-022114-00B		REV	
ECN	SCALE		INVENTOR	SHEET 5 OF 9		



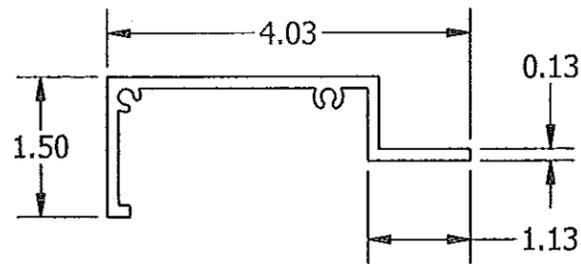
Item 1 - Aluminum Sill Frame - Plant Ref. 70-021130-00B



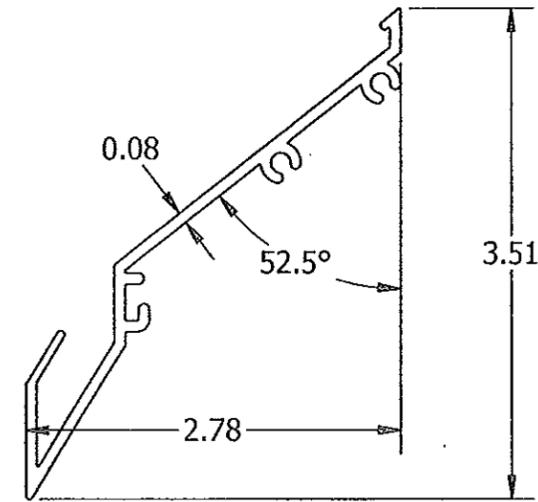
Item 4 - Aluminum Head Frame - Plant Ref. 70-020689-00B



Item 2 - Aluminum Jamb Frame - Plant Ref. 70-020691-00B



Item 3 - Aluminum Hidden Mullion - Plant Ref. 70-021791-00B



Item 5 - Aluminum Drainable Blade - Plant Ref. 70-021718-00B

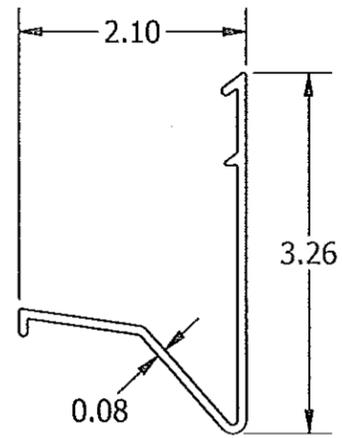
Edward P. Hutson, Jr.
1/31/2014

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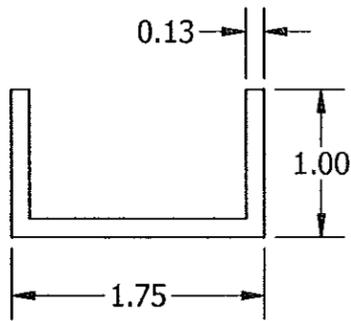
PRODUCT REVISED
as complying with the Florida
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Acceptance No. 19-021115
Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

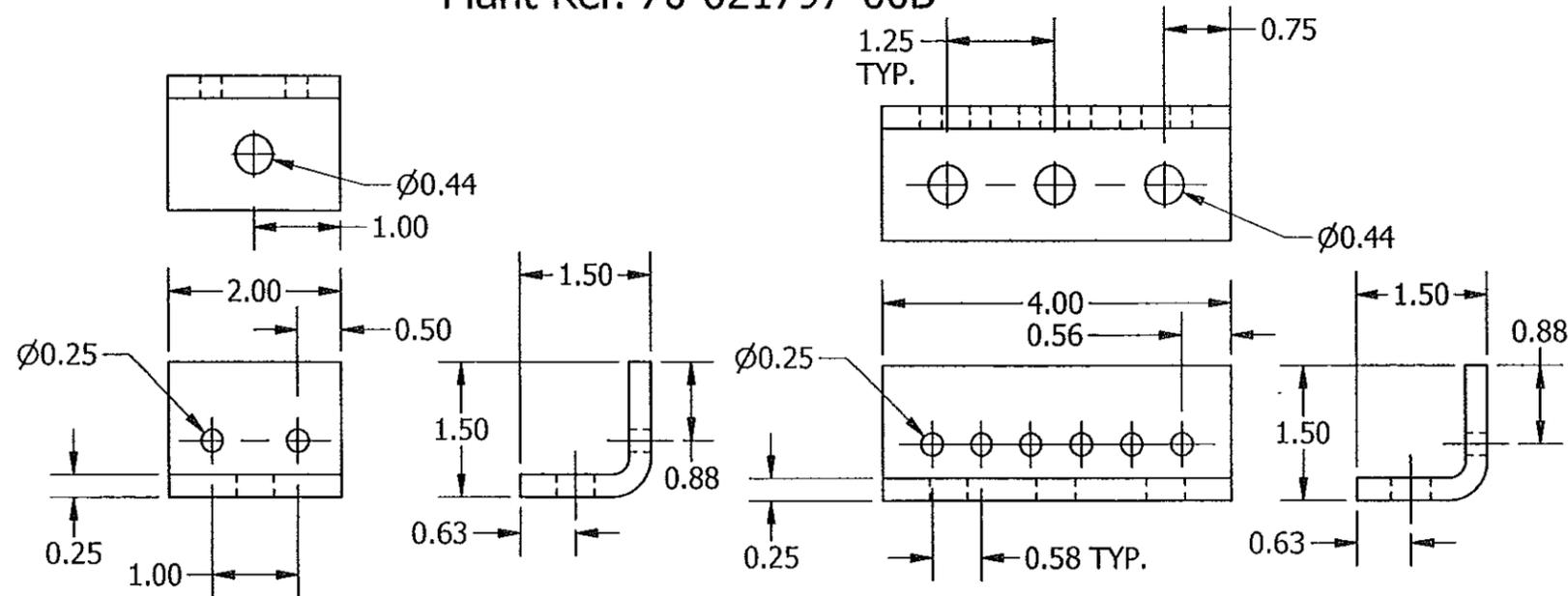
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CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
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ELC6375DXD - Combination Louver - Parts						
ECN	SCALE	INVENTOR	SHEET 6 OF 9	SIZE B	DWG NO 60-022114-00B	REV



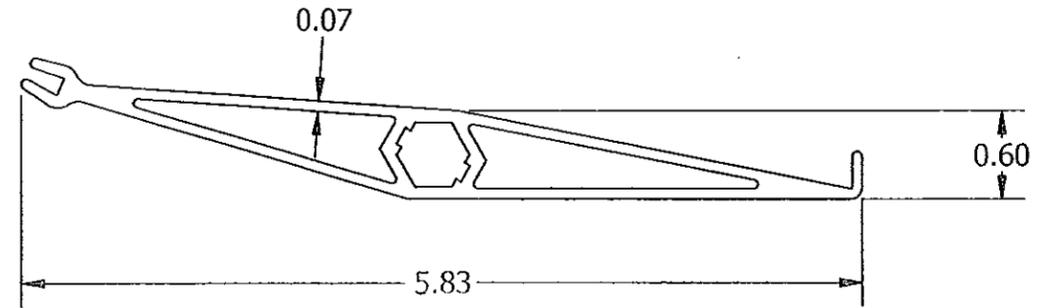
Item 6 - Aluminum Blade Brace - Plant Ref. 70-021719-00B



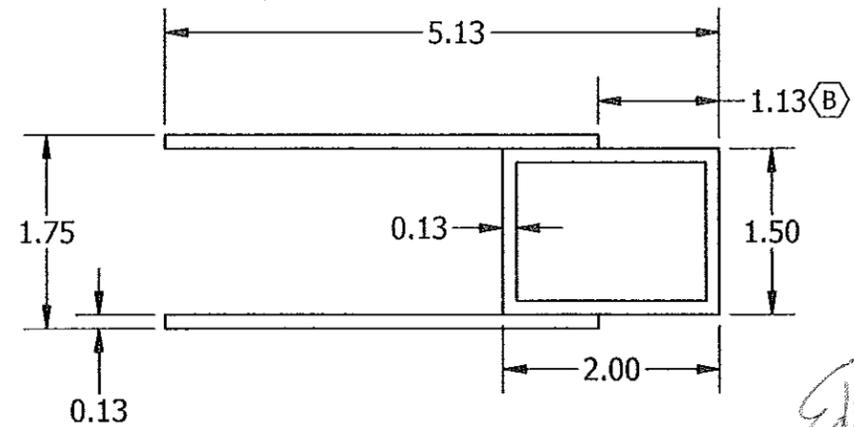
Item 8 - Aluminum Mullion Support Channel - Plant Ref. 70-021797-00B



Item 17 - Aluminum Mounting Clip Angle Item 18 - Aluminum Mounting Clip Angle



Item 7 - Aluminum Operable Damper Blade - Plant Ref. 70-021027-00B



Item 9 - Aluminum Mullion Support

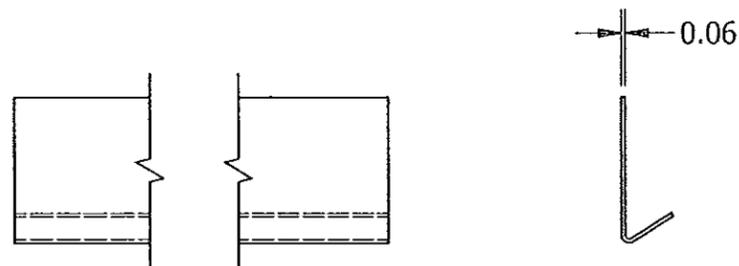
Edward P. Hutson, Jr.
1/23/2014

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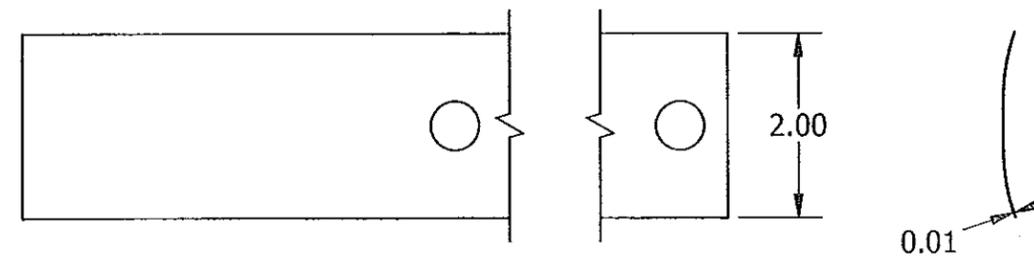
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 14-02115
Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

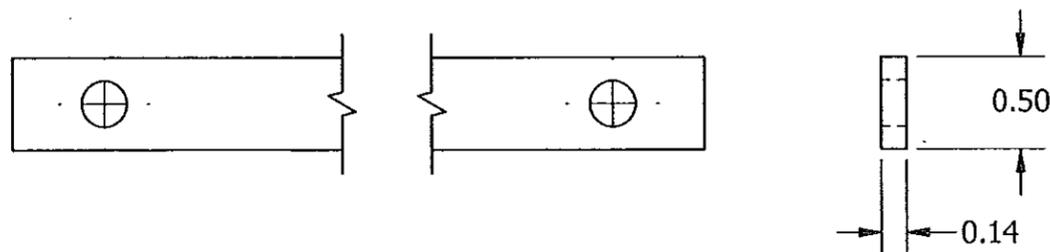
B	Engineer Of Record, Added Dim.	DRP	RKP			1/23/14
A	Item 18 - Edge dist. dim. from .44 to .56	VMA	DWS	DJR		11/5/08
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	ENK	8/15/2008	RUSKIN Air & Sound Control 3900 Doctor Greaves Road, Grandview, MO 64030			
CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
MATERIAL	PRODUCT					
	TITLE ELC6375DXD - Combination Louver - Parts					
	SIZE B	DWG NO 60-022114-00B	REV			
ECN	SCALE	INVENTOR	SHEET 7 OF 9			



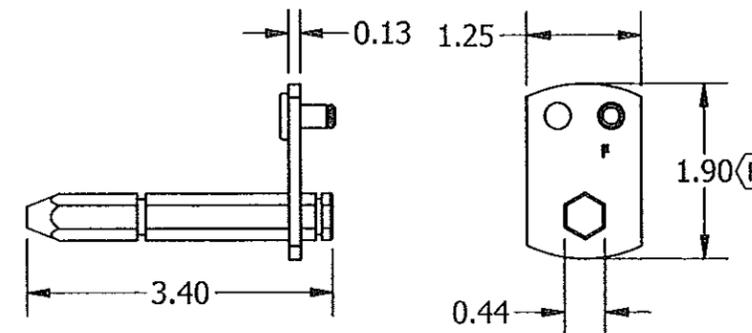
Item 10 - Aluminum Blade Stop



Item 11 - Jamb Seal - Plant Ref. 2" x 0.01" Stainless Steel.

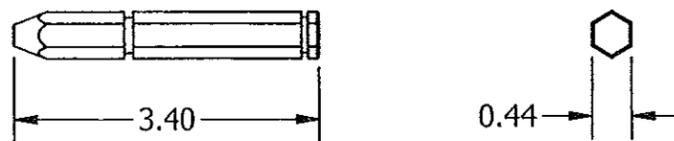


Item 12 - Tie Bar - Plant Ref. 10Ga. x 0.50" Galv. Steel.

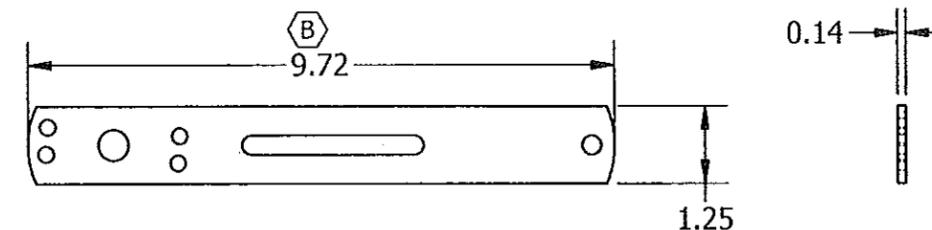


Item 13 - Steel Linkage Assembly - Plant Ref. 77-002008-01B

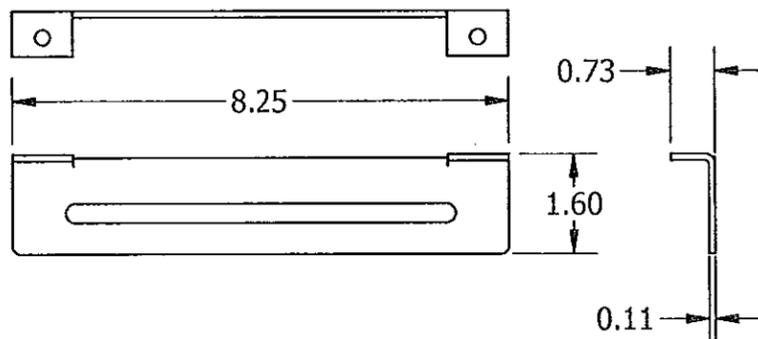
Edward P. Hutson Jr.
11/31/2014



Item 14 - Zinc Plated Steel Idler Axle
Plant Ref. 77-002302-01A



Item 16 - Galv. Steel Hand Quadrant Arm
Plant Ref. 73-003021-01B



Item 15 - Galv. Steel Hand Quadrant Plate -
Plant Ref. 70-003023-00B

FOR OFFICE USE ONLY

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Building Code
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Expiration Date 02/11/2019
By *[Signature]*
Miami Dade Product Control

Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

B	Engineer Of Record, Added Dim.	DRP	RKP			1/23/14
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	ENK	10/7/2008	RUSKIN Air & Sound Control 3900 Doctor Greaves Road, Grandview, MO 64030			
CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
MATERIAL	PRODUCT					
TITLE						
ELC6375DXD - Comination Louver - Parts						
SIZE	B	DWG NO	60-022114-00B		REV	
ECN		SCALE	INVENTOR	SHEET 8 OF 9		

Line Item	Sheet	Material	Description	Ruskin Number
1	6	6063-T5 Aluminum	Sill Frame	70-021130-00B
2	6	6063-T5 Aluminum	Jamb Frame	70-020691-00B
3	6	(B) 6063-T6 Aluminum	Hidden Mullion	70-021791-00B
4	6	6063-T5 Aluminum	Head Frame	70-020689-00B
5	6	(B) 6063-T6 Aluminum	Drainable Blade	70-021718-00B
6	7	(B) 6063-T6 Aluminum	Blade brace	70-021719-00B
7	7	6063-T5 Aluminum	Operable Damper Blade	70-021027-00B
8	7	6063-T5 Aluminum	Mullion Support Channel	70-021797-00B
9	7	6063-T5 Aluminum	Mullion Support	N/A
10	8	6061-T6 Aluminum	Blade Stop	N/A
11	8	Stainless Steel	Jamb Seal	N/A
12	8	Galv. Steel	Tie Bar	N/A
13	8	Steel	Linkage Assembly	77-002008-01B
14	8	Zinc Plated Steel	Idler Axle	77-002302-01A
15	8	Galv. Steel	Hand Quadrant Plate	70-003023-00B
16	8	Galv. Steel	Hand Quadrant Arm	73-003021-01B
17	7	3003-H14 Aluminum	Mounting Clip Angle	N/A
18	7	3003-H14 Aluminum	Mounting Clip Angle	N/A
19	N/A	Zinc Plated Steel	Lag Screw, 3/8"Ø x 2" Long	N/A
20	N/A	Zinc Plated Steel	Self Drilling Screw, #10 HWH	N/A
21	N/A	N/A	N/A	N/A
22	N/A	Zinc Plated Steel	Bolt, 1/4-20 x 2 1/2" Long	N/A
23	N/A	Zinc Plated Steel	Nut, 1/4-20 Hex	N/A

Edward P. Hutson, Jr.
1/31/2014

Structure Material	Fastener Specification
Wood	3/8"Ø x 2" Long Lag Screw, 2" Min. Edge Distance
Steel (16 Ga. Min.)	3/8"Ø Self Tapping Screw or Bolt, 3/4" Min. Edge Distance
Concrete (2000 psi Min.)	3/8"Ø Hilti HLC Sleeve Anchor, 1 1/4" Min. Embedment, 3" Min. Edge Distance

(A)
(B)

FOR OFFICE USE ONLY

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 14-0211.15
Expiration Date 02/11/2019
By [Signature]
Miami Dade Product Control

Engineer Of Record:
Edward P. Hutson, Jr.
Engineering Discipline:
Civil Engineer
State Of Florida #0052339

B	Engineer Of Record, Material For Items 3, 5 & 6, Added Edge Dist.	DRP	RKP			1/23/14
A	Fastener Spec. Table	VMA	DWS	DJR		11/5/08
REV	DESCRIPTION	BY	CHK	APVD	APVD	DATE
AUTHOR	ENK	8/15/2008	RUSKIN Air & Sound Control 3900 Doctor Greaves Road, Grandview, MO 64030			
CHECKED	DJR	11/15/2008				
APPROVED	DJR	11/15/2008				
MATERIAL	PRODUCT					
TITLE ELC6375DXD - Combination Louver - Parts List And Fastener Specs						
SIZE	B	DWG NO	60-022114-00B		REV	
ECN		SCALE	INVENTOR	SHEET 9 OF 9		