



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](http://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 Louver with Damper

**APPROVAL DOCUMENT:** Drawing No. **60-022114-00B**, Rev **F** titled "ELC6375DXD – Extruded Combination Louver" sheets 1 through 17 of 17, dated 11/15/2008 and last revised on 1/21/25, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, 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 and Juarez, Chihuahua C. P., 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 and renews** NOA # **23-1127.05** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

*Ishaq I. Chanda*

MIAMI-DADE COUNTY  
APPROVED

NOA-No. 25-0214.02  
Expiration Date: February 11, 2030  
Approval Date: April 10, 2025  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S**

**A. DRAWINGS “Submitted under NOA # 15-0930.12”**

1. Drawing No. **60-022114**, titled “ELC6375DXD - Combination Louver”, sheets 1 through 9 of 9, dated 11/15/2008, with revision **C** dated 09/18/2015, prepared by Ruskin Company, signed and sealed by Chelsea GQ Welch, 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 203-94along 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 “Submitted under NOA # 15-0930.12”**

1. Wind load review prepared by Ruskin Company, dated 09/08/2015, signed and sealed by Chelsea GQ Welch, P.E.

**“Submitted under NOA # 14-0211.15”**

2. 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”**

3. 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. None.

**F. STATEMENTS “Submitted under NOA # 16-1110.05”**

1. Distributor agreement dated 09/22/2016.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA-No. 25-0214.02**  
**Expiration Date: February 11, 2030**  
**Approval Date: April 10, 2025**

**Ruskin Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (Continued)**

*“Submitted under NOA # 15-0930.12”*

2. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC issued by Ruskin Company, dated 09/22/2015, signed and sealed by Chelsea GQ Welch, P.E.

*“Submitted under NOA # 14-0211.15”*

3. 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.
4. No financial interest letter issued by Ruskin Company, dated 01/23/2014, signed and sealed by Edward P. Hutson, Jr., P.E.

**2. EVIDENCE SUBMITTED UNDER NOA # 17-1214.17**

**A. DRAWINGS**

1. Drawing No. **60-022114-00B**, titled “ELC6375DXD - Combination Louver”, sheets 1 through 9 of 9, dated 11/15/2008, with revision **D** dated 10/24/2017, prepared by Ruskin Company, signed and sealed by Theodore Berman, P.E. of Ted Berman and Associates, LLC.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Wind load review prepared by Ruskin Company, dated 10/13/2017, signed and sealed by Theodore Berman, 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 6<sup>th</sup> edition (2017) FBC, prepared by Ted Berman and Associates, LLC, dated 10/31/2017, signed and sealed by Theodore Berman, P.E.
2. Statement letter of no financial interest, prepared by late Ted Berman and Associates, LLC, dated 10/31/2017, signed and sealed by late Theodore Berman, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA-No. 25-0214.02**  
**Expiration Date: February 11, 2030**  
**Approval Date: April 10, 2025**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. EVIDENCE SUBMITTED UNDER NOA # 18-1106.03**

**A. DRAWINGS**

1. Drawing No. **60-022114-00B**, titled “ELC6375DXD - Combination Louver”, sheets 1 through 16 of 16, dated 11/15/2008, with revision **E** dated 10/24/2018, prepared by Ruskin Company, signed and sealed by Melissa M. Massar, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Wind load review prepared by Ruskin Company, dated 10/29/2018, 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.

**F. STATEMENTS**

1. Statement letter of code conformance to 6<sup>th</sup> edition (2017) FBC, prepared by Ruskin Company, dated 10/29/2018, signed and sealed by Melissa M. Massar, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA-No. 25-0214.02**  
**Expiration Date: February 11, 2030**  
**Approval Date: April 10, 2025**

**Ruskin Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. EVIDENCE SUBMITTED UNDER NOA # 20-0909.06**

**A. DRAWINGS**

1. Drawing No. **60-022114-00B**, titled “ELC6375DXD - Combination Louver”, sheets 1 through 16 of 16, dated 11/15/2008, with revision E dated 10/24/2018, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E. on 02/02/2024.

**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 8<sup>th</sup> edition (2023) of the FBC, issued by Ruskin Company, dated 11/21/2023, signed and sealed by Jeffrey D. Smith, P.E.
2. Testing quotation issued by Intertek, dated 02/09/2024, signed by Cassandra Matthews.

*“Submitted under NOA # 20-0909.06”*

3. Statement letter of code conformance to the 7<sup>th</sup> edition (2020) FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.
4. Statement letter of no changes and not been affected by any changes in the 2020 FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA-No. 25-0214.02**  
**Expiration Date: February 11, 2030**  
**Approval Date: April 10, 2025**

**Ruskin Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**5. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **60-022114-00B**, Rev **F** titled “ELC6375DXD – Extruded Combination Louver” sheets 1 through 17 of 17, dated 11/15/2008 and last revised on 1/21/25, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, 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 203-94  
along with marked-up drawings and installation diagram of Model ELC6375DXD Combination Louvers, prepared by Intertek, Test Report No. **S0189.01-801-18-r0**, dated 01/17/2025, signed and sealed by Tyler Westerling, P.E.

**C. CALCULATIONS**

1. Anchor verification and Structural analysis calculations dated 1/21/2025, prepared by Ruskin, signed and sealed by Jeffery 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 8<sup>th</sup> edition (2023) of the FBC and summary of the DWG changes based on the new test, issued by Ruskin Company, dated JAN 22<sup>nd</sup>, 2025, signed and sealed by Jeffrey D. Smith, P.E.

**G. OTHER**

1. This NOA **revises and renews** NOA # **23-1127.05**, expiring 02/11/2030.
2. Distributor Agreement dated 04/04/25 between ADT/Aplicadores, Mexico, SAPI (manufacturer) and Ruskin Company, USA (distributor).
3. Distributor agreement dated 09/22/2016 (*Submitted under NOA # 16-1110.05*)

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA-No. 25-0214.02**  
**Expiration Date: February 11, 2030**  
**Approval Date: April 10, 2025**



| PARTS LIST FOR STANDARD CONSTRUCTION |  |                               |         |
|--------------------------------------|--|-------------------------------|---------|
| ITEM                                 | DESCRIPTION                                    | MATERIAL                      | ALLOY   |
| 1                                    | HEAD FRAME                                     | .125" THK EXTRUDED ALUM.      | 6063-T6 |
| 2                                    | SILL FRAME                                     | .125" THK EXTRUDED ALUM.      | 6063-T6 |
| 3                                    | JAMB FRAME                                     | .125" THK EXTRUDED ALUM.      | 6063-T6 |
| 4                                    | FIXED BLADE                                    | .080" THK EXTRUDED ALUM.      | 6063-T6 |
| 5                                    | ADJUSTABLE BLADE                               | .070" THK EXTRUDED ALUM.      | 6063-T6 |
| 6                                    | HIDDEN MULLION                                 | .125" THK EXTRUDED ALUM.      | 6063-T6 |
| 7                                    | BLADE BRACE                                    | .080" THK EXTRUDED ALUM.      | 6063-T6 |
| 8                                    | MULLION SUPPORT CHANNEL                        | .125" THK EXTRUDED ALUM.      | 6063-T6 |
| 9                                    | MULLION SUPPORT                                | .125" THK EXTRUDED ALUM.      | 6063-T6 |
| 10                                   | TOP BLADE STOP                                 | .063" THK EXTRUDED ALUM.      | 6063-T6 |
| 11                                   | BOTTOM BLADE STOP                              | .080" THK EXTRUDED ALUM.      | 6063-T6 |
| 12                                   | BLADE STOP SEAL                                | .1875" X .50" - PARAFOAM 400  | -       |
| 13                                   | JAMB SEAL                                      | .010" THK FORMED ALUM.        | -       |
| 14                                   | BLADE SEAL                                     | SANTOPRENE 50 SHORE D         | -       |
| 15                                   | HAND QUADRANT PLATE                            | 12 GA GALV STEEL              | -       |
| 16                                   | HAND QUADRANT ARM                              | 10 GA GALV STEEL G60          | -       |
| 17                                   | TIE-BAR  | 1/2X12GA GALV                 | -       |
| 18                                   | BEARING  | .5" DIA SS                    | -       |
| 19                                   | E SIDE LINKAGE CRANKARM ASSY                   | PLATED STEEL                  | -       |
| 20                                   | F SIDE LINKAGE CRANKARM ASSY                   | PLATED STEEL                  | -       |
| 21                                   | IDLER DRIVE AXLE                               | 7/16" HEX STEEL ZINC PLATED   | -       |
| 22                                   | RETAINING RING: TRUARC E-50                    | ZINC YELLOW DICHROMATE PLATED | -       |
| 23                                   | RETAINING RING: TRUARC E-25                    | ZINC YELLOW DICHROMATE PLATED | -       |
| 24                                   | BLT CARR 1/4-20X1.00                           | ZINC COATED                   | -       |
| 25                                   | WING NUT 1/4"-20                               | ZINC COATED                   | -       |
| 26                                   | SCREW 10-16 X 1" LG HWH "AB" W/SEAL WASHER     | 410SS/ZINC COATED             | -       |
| 27                                   | SCREW 12-14 x 1" LG HWH "SDS"                  | 410SS/ZINC COATED             | -       |
| 28                                   | SCREW 10-16 X 3/4" LG HWH "AB" W/SEAL WASHER   | 410SS/ZINC COATED             | -       |
| 29                                   | SCREW 10-16 X 1 1/2" LG HWH "AB" W/SEAL WASHER | 410SS/ZINC COATED             | -       |

| MULTI SECTION CONNECTION PARTS |  |                               |       |
|--------------------------------|--|-------------------------------|-------|
| ITEM                           | DESCRIPTION                                | MATERIAL                      | ALLOY |
| 30                             | 1/4-20 X 2.75" LG BOLT W/ WASHER & LOCKNUT | ZINC PLATED ASTM A307 GRADE A | -     |

| INSTALLATION PARTS |  |                               |          |
|--------------------|--|-------------------------------|----------|
| ITEM               | DESCRIPTION  | MATERIAL                      | ALLOY    |
| 31                 | ATTACHMENT CLIP ANGLE, 2" LG.  | 0.25" THK EXTRUDED ALUM.      | 6063-T6  |
| 32                 | ATTACHMENT CLIP ANGLE, 6" LG.  | 0.25" THK EXTRUDED ALUM.      | 6063-T6  |
| 33                 | ALTERNATE ATTACHMENT ANGLE, 2" LG.                                     | 0.25" THK EXTRUDED ALUM.      | 6063-T6  |
| 34                 | ALTERNATE ATTACHMENT ANGLE, 12" LG.                                    | 0.25" THK EXTRUDED ALUM.      | 6063-T6  |
| 35                 | ALTERNATE FORMED CLIP ANGLE, 2" LG.                                    | 0.25" THK FORMED ALUM.        | 3003-H14 |
| 36                 | ALTERNATE FORMED CLIP ANGLE, 6" LG.                                    | 0.25" THK FORMED ALUM.        | 3003-H14 |
| 37                 | #10-16X1 1/2" LG "HWH" TYPE "SDS"                                      | 410SS                         | -        |
| 38                 | STANDARD CLIP ANGLE INSTALLATION<br>SUBSTRATE FASTENER(REF TABLE 1/11) | VARIES                        | -        |
| 39                 | DOUBLE CLIP ANGLE INSTALLATION<br>SUBSTRATE FASTENER(REF TABLE 2/11)   | VARIES                        | -        |
| 40                 | 3/8-16X1 1/2" BOLT W/NUT   | ZINC PLATED ASTM A307 GRADE A | -        |

| UNIVERSAL SLEEVE PARTS |                                   |                             |                      |
|------------------------|-----------------------------------|-----------------------------|----------------------|
| ITEM                   | DESCRIPTION                       | MATERIAL                    | ALLOY                |
| 41                     | FRONT FLANGE UNIVERSAL SLEEVE     | MIN. .125" THK FORMED ALUM. | 5005-H34 OR 3003-H14 |
| 42                     | HEAD FRAME W/ INTEGRAL FLANGE     | .125" THK EXTRUDED ALUM.    | 6063-T6              |
| 43                     | SILL FRAME W/ INTEGRAL FLANGE     | .125" THK EXTRUDED ALUM.    | 6063-T6              |
| 44                     | JAMB FRAME W/ INTEGRAL FLANGE     | .125" THK EXTRUDED ALUM.    | 6063-T6              |
| 45                     | CONT. RETAINING ANGLE - HEAD/SILL | .250" THK EXTRUDED ALUM.    | 6063-T6              |
| 46                     | CONT. RETAINING ANGLE - JAMBS     | .250" THK EXTRUDED ALUM.    | 6063-T6              |
| 47                     | 1/4-14 "HWH" TYPE "SDS"           | 410SS                       | -                    |

**ABBREVIATIONS:**  
CONT. - CONTINUOUS  
C-C - CENTER TO CENTER  
D - SUBSTRATE DEPTH  
DIM. - DIMENSION  
FLG. - FLANGE  
HDG - HOT DIPPED GALVANIZED  
H.V.B.S. - HIDDEN VERTICLE BLADE SUPPORT  
H.H.B.S. - HIDDEN HORIZONTAL BLADE SUPPORT  
HWH -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  
R.O. - ROUGH OPENING  
REF. -REFERENCE  
S.S. - SHIP SECTION  
S.S.D. - SHIP SECTION DIMENSION  
S.D.S. - SELF DRILLING SCREW  
SIM. - SIMILAR  
STL - STEEL  
SUB. - SUBSTRATE  
TYP. - TYPICAL  
U.N.O. - UNLESS NOTED OTHERWISE

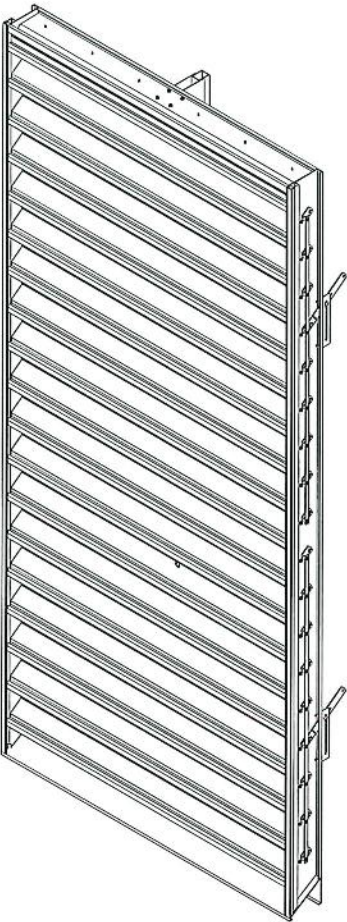
**PRODUCT REVISED**  
**as complying with the Florida**  
**Building Code**  
**NOA-No. 25-0214.02**

**Expiration Date 02/11/2030**

By *Ishag I. Chank*  
**Miami-Dade Product Control**

**DRAWING INDEX:**  
**SHEET 01** - NOTES, PARTS LIST & DRAWING INDEX  
**SHEET 02** - SINGLE SECTION & SECTION VIEWS  
**SHEET 03** - BASIC LOUVER CONNECTION DETAILS  
**SHEET 04** - ASSEMBLY 'A' & SECTION VIEWS  
**SHEET 05** - ASSEMBLY 'B' & SECTION VIEWS  
**SHEET 06** - STANDARD INSTALLATION DETAILS  
**SHEET 07** - ALTERNATE INSTALLATION DETAILS  
**SHEET 08** - ASSEMBLY 'C' UNIVERSAL SLEEVE  
**SHEET 09** - ASSEMBLY 'D' UNIVERSAL SLEEVE  
**SHEET 10** - UNIVERSAL SLEEVE ATTACHMENT DETAILS  
**SHEET 11** - SUBSTRATE FASTENER TABLES  
**SHEET 12** - PARTS (ITEMS 1 THRU 9)  
**SHEET 13** - PARTS (ITEMS 10 THRU 18)  
**SHEET 14** - PARTS (ITEMS 19 THRU 23)  
**SHEET 15** - PARTS (ITEMS 31 THRU 34)  
**SHEET 16** - PARTS (ITEMS 35 THRU 36)  
**SHEET 17** - PARTS (ITEMS 41 THRU 46)

Tolerances  
Unless Stated Otherwise  
Use WIQ-007, WIQ-008  
Fractions ±1/16  
Two Decimals ±0.020  
Three Decimals ±0.010  
Angle Dimensions ±2°



**NOTES:**

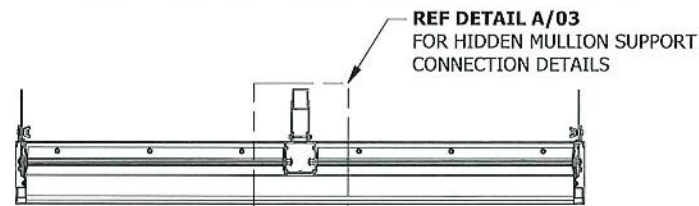
1. THE ELC6375DXD HAS BEEN TESTED IN ACCORDANCE WITH & QUALIFIED TO FLORIDA PROTOCOLS **TAS-201, 202, & 203** FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE, CYCLIC WIND PRESSURE & **AMCA 550** FOR HIGH VELOCITY WIND DRIVEN RAIN.
2. QUALIFICATION TO **AMCA 550** ALLOWS THIS LOUVER TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM & THE ROOM DOES NOT HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
3. THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESSURES OF **+/- 110 PSF** OR LESS.THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
4. RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. SUBSTRATE REQUIREMENTS GIVEN IN **TABLES 01 & 02** ON **SHEET 11** ARE AS NEEDED FOR ANCHORAGE ONLY.
5. MAXIMUM SINGLE SECTION SIZE IS **55" WIDE X 120" HIGH**. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE BY SIDE.
6. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
7. ALL WELDED ATTACHMENTS REQUIRE MIN. FILLER METAL OF 5183 ALUMINUM ALLOY WITH MIN. TENSILE STRENGTH OF 40 KSI.
8. PART NUMBERS WITH A SQUARE ARE **SHIPPED LOOSE**.



JEFFREY DEVON SMITH, P.E.  
NO. 91182

|                               |   |                 |   |                         |          |               |
|-------------------------------|---|-----------------|---|-------------------------|----------|---------------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                 | NS  | JDS                     | JDS      |               |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                 | NS  | MMM                     | MMM      | 7016 10/24/18 |
| REV                           | DESCRIPTION                             |                 | BY  | CHK                     | APVD     | ECN DATE      |
| AUTHOR                        | ENK                                     | 8/15/2008       | RUSKIN Air & Sound Control<br>3900 Doctor Greaves Road, Grandview, MO 64030 |                         |          |               |
| CHECKED                       | DJR                                     | 11/15/2008      |   |                         |          |               |
| APPROVED                      | DJR                                     | 11/15/2008      |   |                         |          |               |
| MATERIAL<br>EXTRUDED ALUMINUM |   | PRODUCT         | ELC6375DXD - EXTRUDED COMBINATION LOUVER                                    |                         |          |               |
|                               |   | TITLE           | NOTES, PARTS LIST & DRAWING INDEX   |                         |          |               |
|                               |   | SIZE<br>B       |   | DWG NO<br>60-022114-00B | REV<br>F |               |
| ECN                           |   | SCALE<br>N.T.S. | INVENTOR  | SHEET 1 OF 17           |          |               |





SECTION A-A

REF DETAIL B/03  
FOR HEAD CONNECTION  
DETAILS

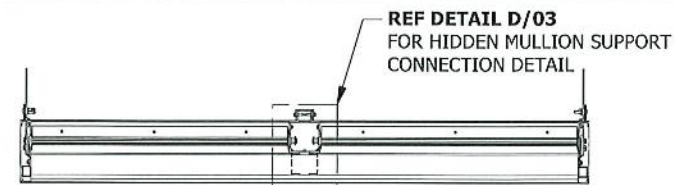
REF DETAIL F/03  
FOR HEAD WELDMENT  
& SEALANT DETAILS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. **25-0214.02**

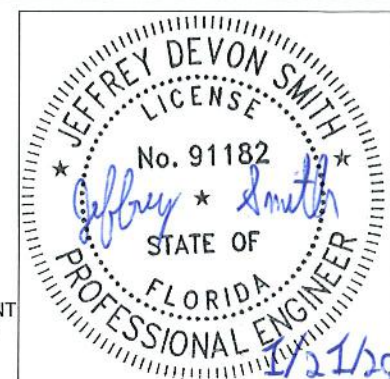
Expiration Date **02/11/2030**

By *Ishag I. Chank*  
**Miami-Dade Product Control**



SECTION C-C

REF DETAIL F/03  
FOR HEAD WELDMENT  
& SEALANT DETAILS



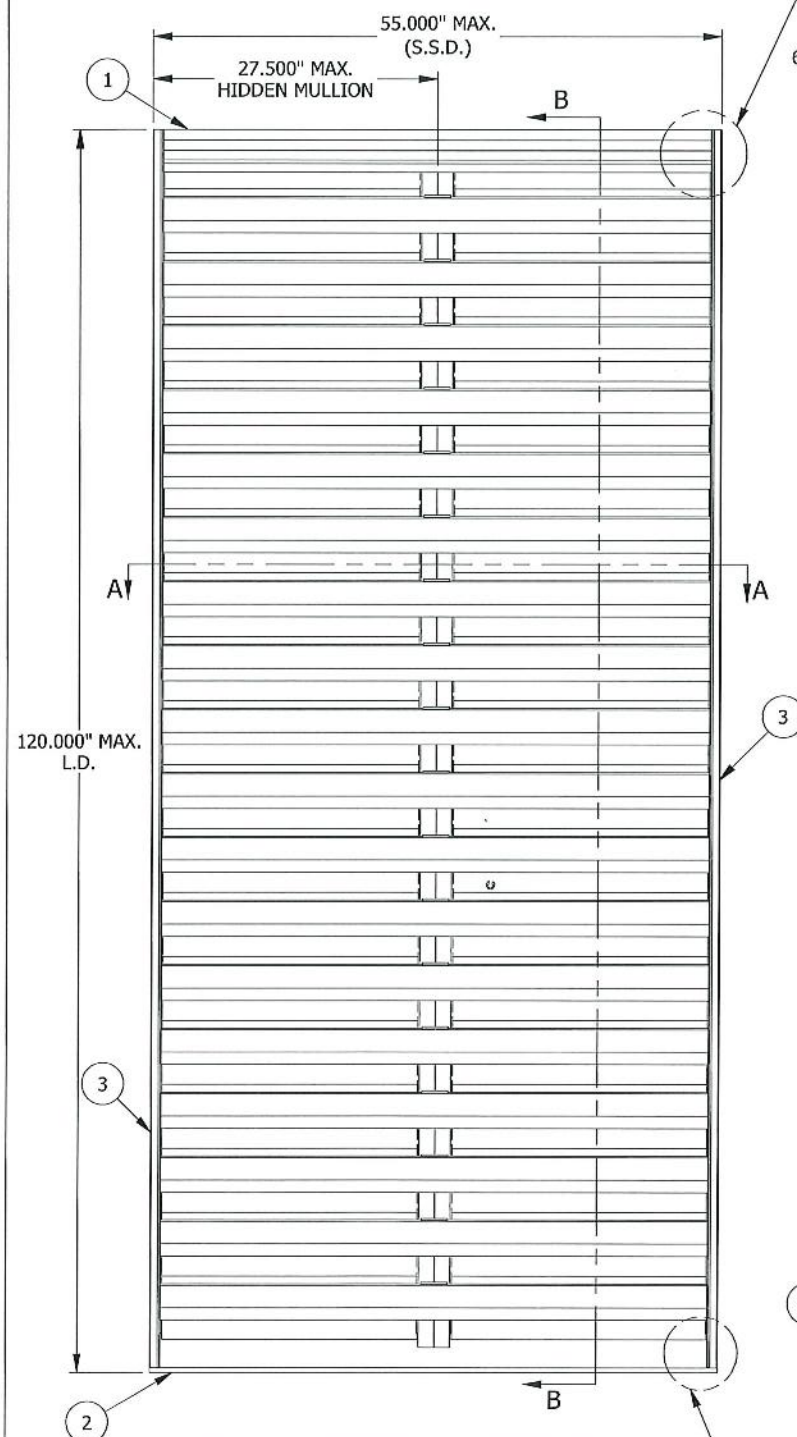
JEFFREY DEVON SMITH, P.E.  
NO. 91182

REF DETAIL B/03  
FOR HEAD CONNECTION  
DETAILS

REFER DETAIL G/03  
FOR QUAD ARM-JAMB  
CONNECTION DETAIL

REF DETAIL C/03  
FOR SILL CONNECTION  
DETAILS

REF DETAIL E/03  
FOR SILL WELDMENT  
& SEALANT DETAILS



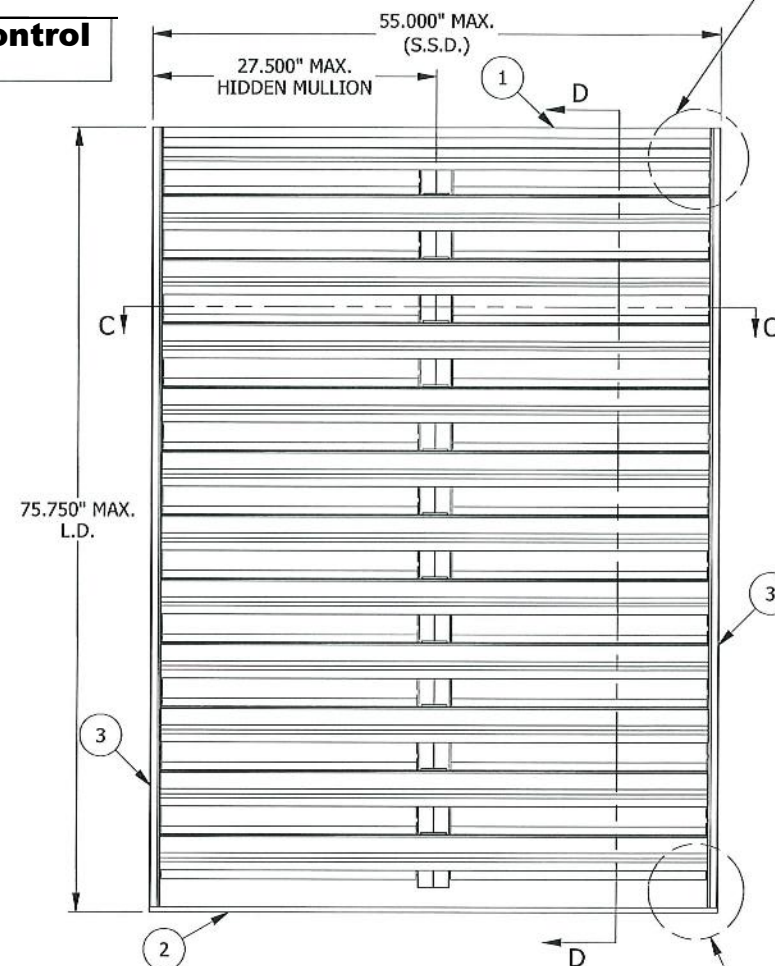
**SINGLE SECTION VIEWS**  
N.T.S.  
LOUVER HEIGHT > 75.75"

**SIDE VIEW**

REF DETAIL E/03  
FOR SILL WELDMENT  
& SEALANT DETAILS

**SECTION B-B**

REFER DETAIL G/03  
FOR QUAD ARM-JAMB CONNECTION DETAIL



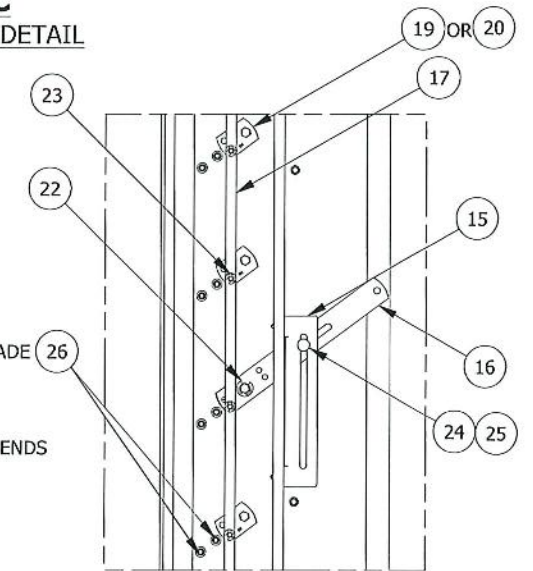
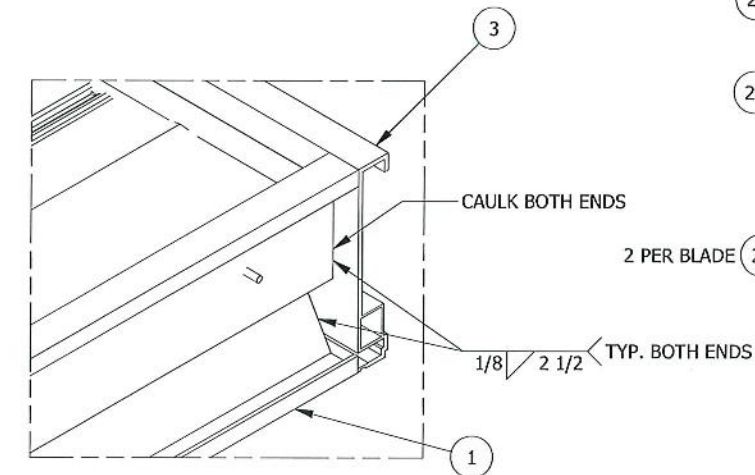
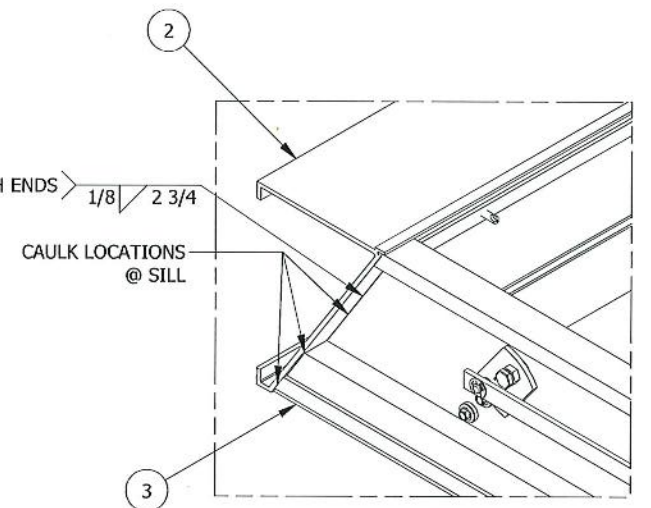
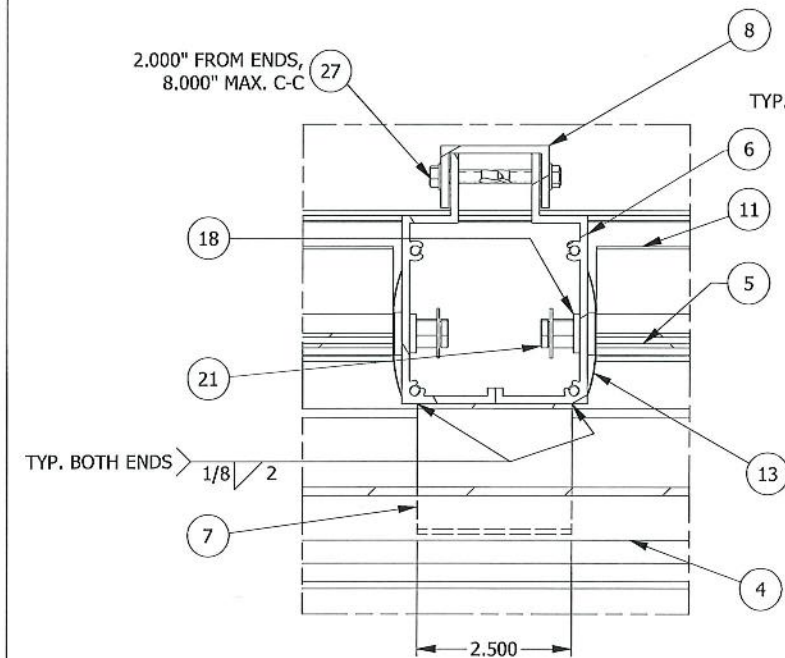
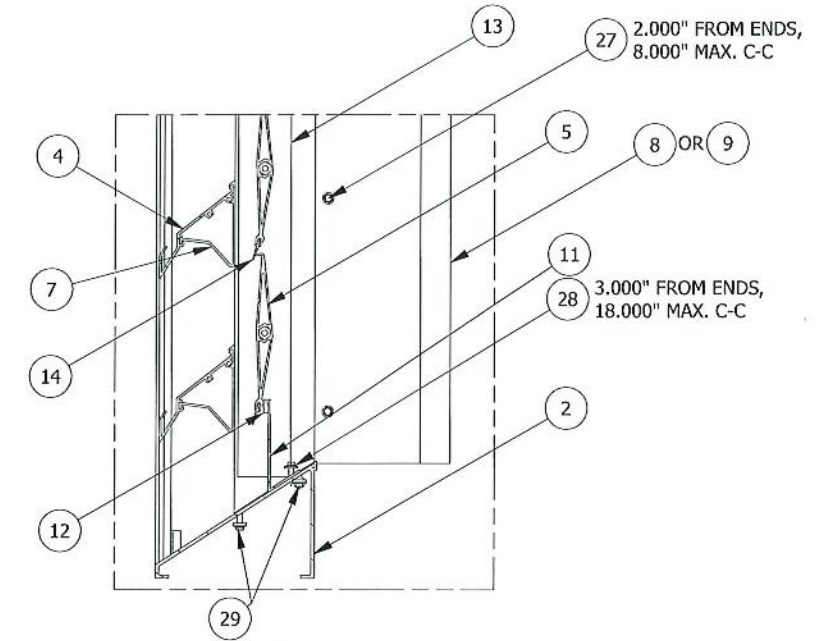
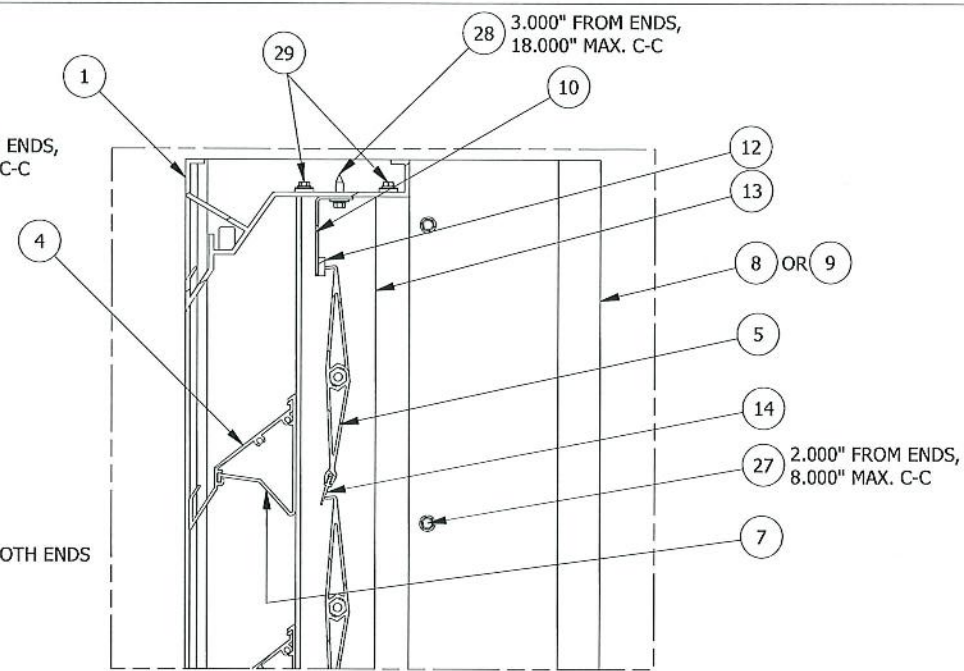
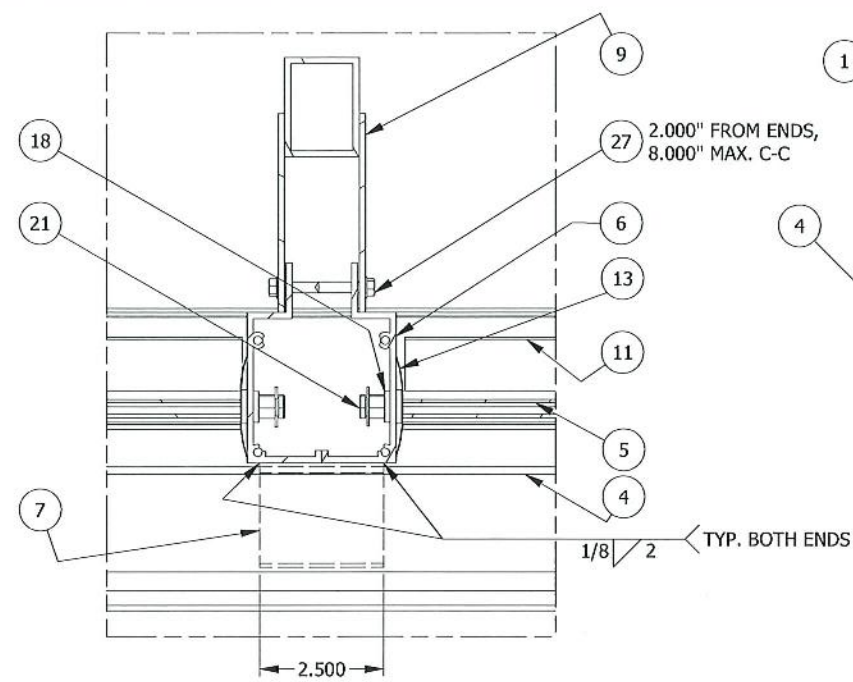
**SINGLE SECTION VIEWS**  
N.T.S.  
LOUVER HEIGHT ≤ 75.75"

**SIDE VIEW**

**SECTION D-D**

|                               |   |            |   |  |                         |               |      |     |          |
|-------------------------------|---|------------|---|--|-------------------------|---------------|------|-----|----------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            |   |  | NS                      | JDS           | JDS  |     |          |
| REV                           | DESCRIPTION                             |            |   |  | BY                      | CHK           | APVD | ECN | DATE     |
| AUTHOR                        | ENK                                     | 8/15/2008  | RUSKIN Air & Sound Control<br>3900 Doctor Greaves Road, Grandview, MO 64030 |  |                         |               |      |     |          |
| CHECKED                       | DJR                                     | 11/15/2008 |   |  |                         |               |      |     |          |
| APPROVED                      | DJR                                     | 11/15/2008 |   |  |                         |               |      |     |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |            | PRODUCT   | ELC6375DXD - EXTRUDED COMBINATION LOUVER |                         |               |      |     |          |
|                               |   |            | TITLE<br>SINGLE SECTION & SECTION VIEWS                                     |  |                         |               |      |     |          |
|                               |   |            | SIZE<br>B   |  | DWG NO<br>60-022114-00B |               |      |     | REV<br>F |
| ECN                           |   |            | SCALE<br>N.T.S.   | INVENTOR                                 |                         | SHEET 2 OF 17 |      |     |          |



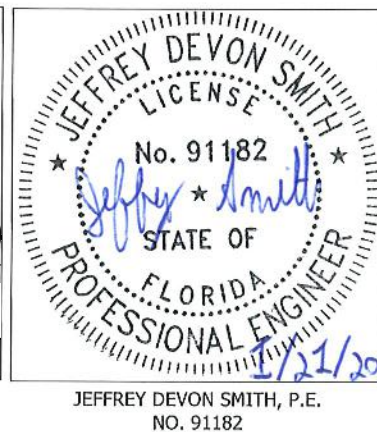


**PRODUCT REVISED**  
as complying with the Florida  
Building Code

**NOA-No. 25-0214.02**

|                 |            |
|-----------------|------------|
| Expiration Date | 02/11/2030 |
|-----------------|------------|

By Ishaq I. Chandra  
Miami-Dade Product Control



|                               |   |                 |   |                         |          |      |
|-------------------------------|---|-----------------|---|-------------------------|----------|------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS              | JDS   | JDS                     |          |      |
| REV                           | DESCRIPTION                             | BY              | CHK   | APVD                    | ECN      | DATE |
| AUTHOR                        | ENK                                     | 8/15/2008       | <b>RUSKIN Air &amp; Sound Control</b><br>3900 Doctor Greaves Road, Grandview, MO 64030    |                         |          |      |
| CHECKED                       | DJR                                     | 11/15/2008      |   |                         |          |      |
| APPROVED                      | DJR                                     | 11/15/2008      |   |                         |          |      |
| MATERIAL<br>EXTRUDED ALUMINUM |   |                 | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER<br>TITLE BASIC LOUVER CONNECTION DETAILS |                         |          |      |
|                               |   |                 | SIZE<br>B   | DWG NO<br>60-022114-00B | REV<br>F |      |
| ECN                           |   | SCALE<br>N.T.S. | INVENTOR  | SHEET 3 OF 17           |          |      |





JEFFREY DEVON SMITH, P.E.  
NO. 91182

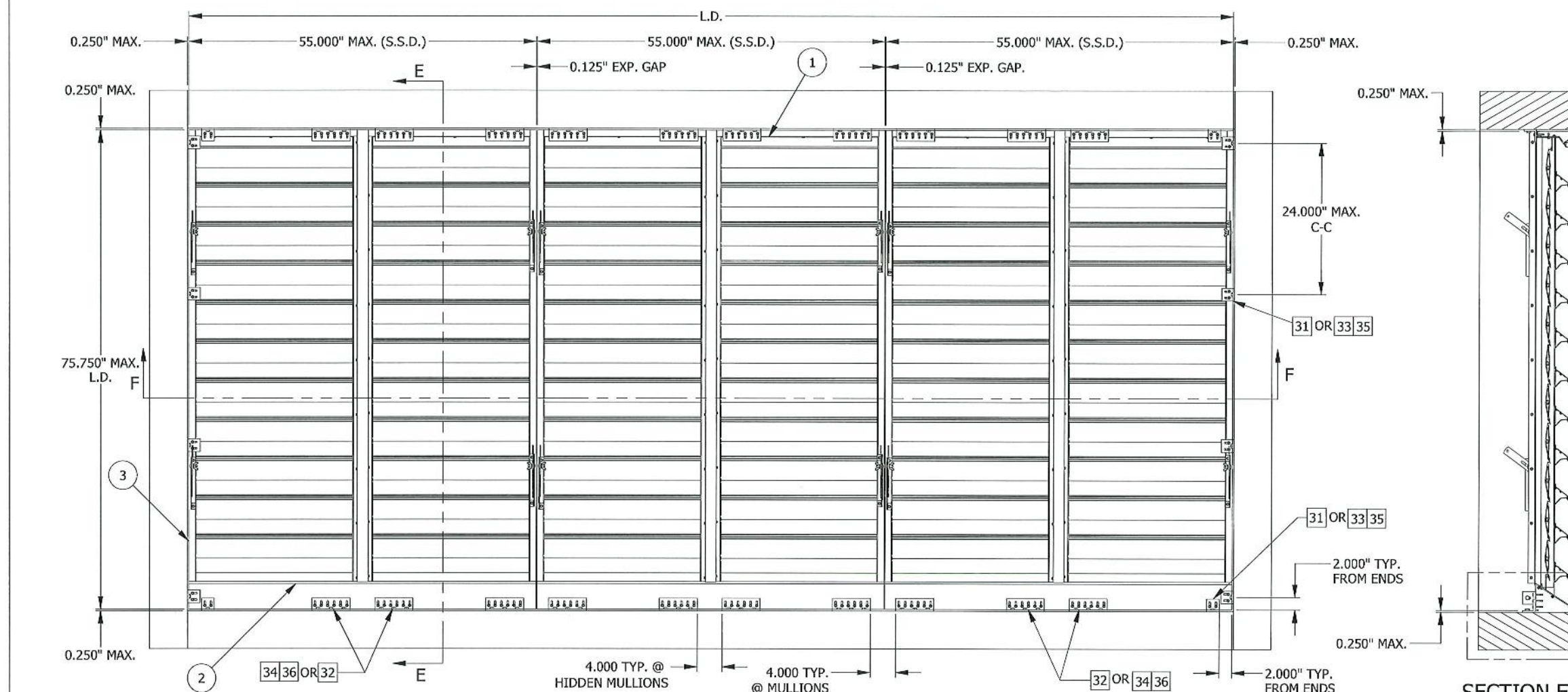
REF DETAIL H/06  
FOR STANDARD HEAD/SILL  
INSTALLATION DETAIL  
REF DETAIL L/07 & M/07  
FOR ALTERNATE HEAD/SILL INSTALLATION DETAILS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

**NOA-No. 25-0214.02**

**Expiration Date 02/11/2030**

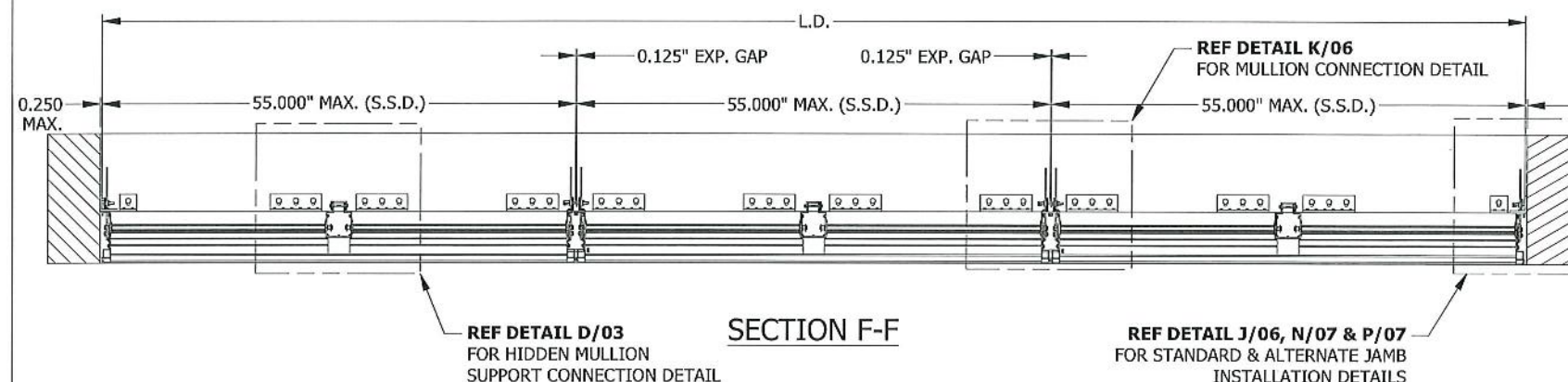
By *Ishag I. Chande*  
**Miami-Dade Product Control**



SECTION E-E

**ASSEMBLY 'A' & SECTION VIEWS**

N.T.S.  
MAX. SHIP SECTION : **55" W X 75.75" H** (REF SHEET 2 FOR SINGLE SECTION CONSTRUCTION)  
(SHOWN AS REAR VIEW)



SECTION F-F

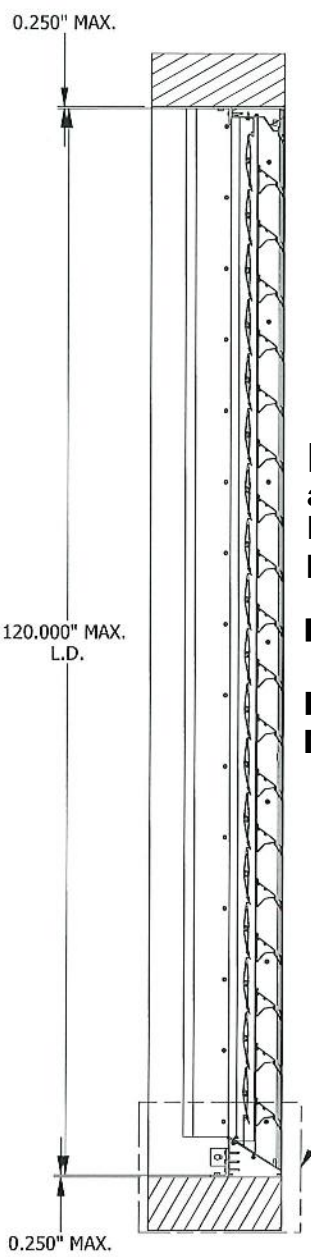
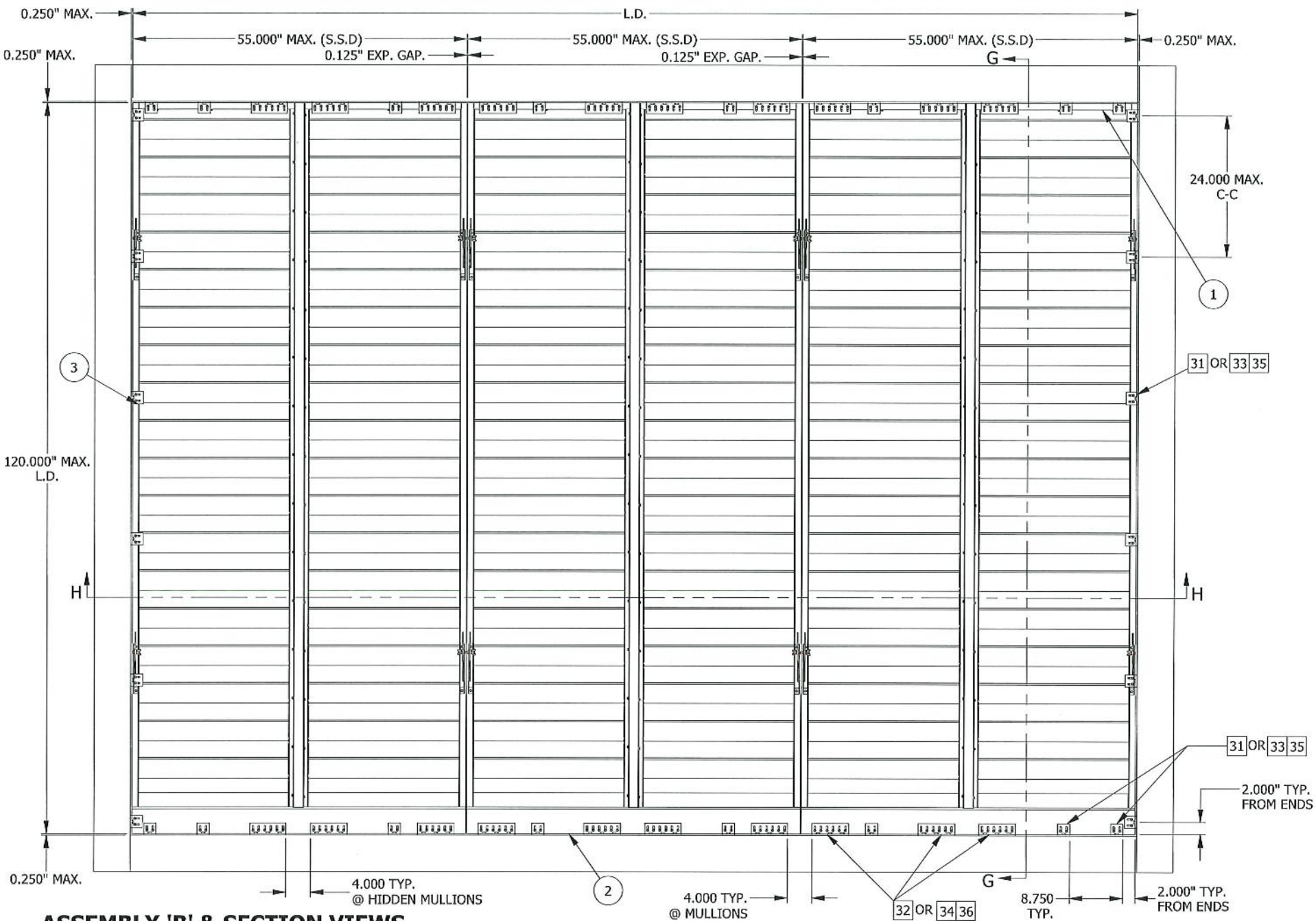
|                               |   |                 |   |                         |               |      |          |
|-------------------------------|---|-----------------|---|-------------------------|---------------|------|----------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                 | NS  | JDS                     | JDS           |      |          |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                 | NS  | MMM                     | MMM           | 7016 | 10/24/18 |
| REV                           | DESCRIPTION                             |                 | BY  | CHK                     | APVD          | ECN  | DATE     |
| AUTHOR                        | ENK                                     | 8/15/2008       | RUSKIN Air & Sound Control<br>3900 Doctor Greaves Road, Grandview, MO 64030 |                         |               |      |          |
| CHECKED                       | DJR                                     | 11/15/2008      |   |                         |               |      |          |
| APPROVED                      | DJR                                     | 11/15/2008      |   |                         |               |      |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |                 | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER                            |                         |               |      |          |
|                               |   |                 | TITLE<br>ASSEMBLY 'A' & SECTION VIEWS                                       |                         |               |      |          |
|                               |   |                 | SIZE<br>B   | DWG NO<br>60-022114-00B |               |      | REV<br>F |
| ECN                           |   | SCALE<br>N.T.S. | INVENTOR  |                         | SHEET 4 OF 17 |      |          |





JEFFREY DEVON SMITH, P.E.  
NO. 91182

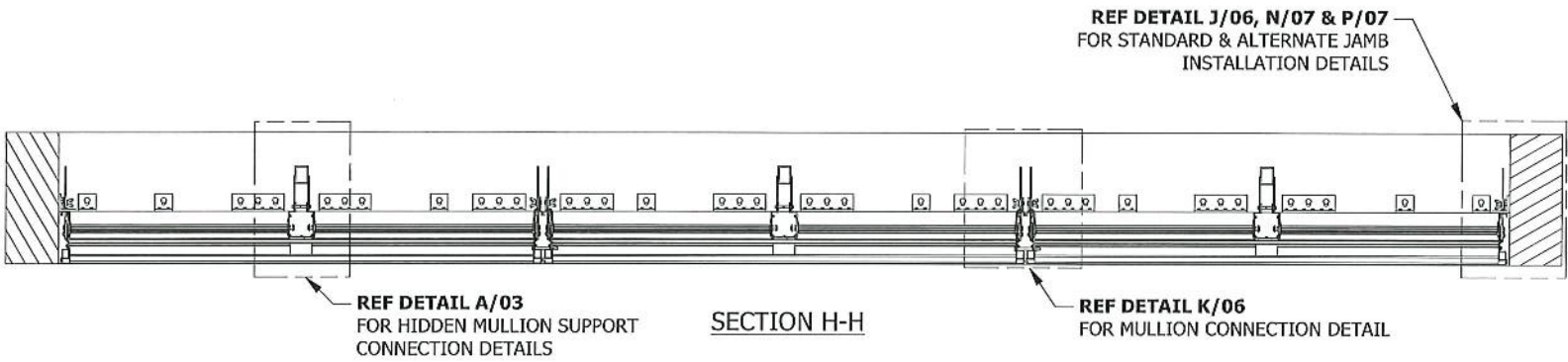
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
**NOA-No. 25-0214.02**  
**Expiration Date 02/11/2030**  
By Isaac I. Chanda  
**Miami-Dade Product Control**



REF DETAIL H/06  
FOR STANDARD HEAD/SILL  
INSTALLATION DETAIL  
REF DETAIL L/07 & M/07  
FOR ALTERNATE HEAD/SILL  
INSTALLATION DETAIL

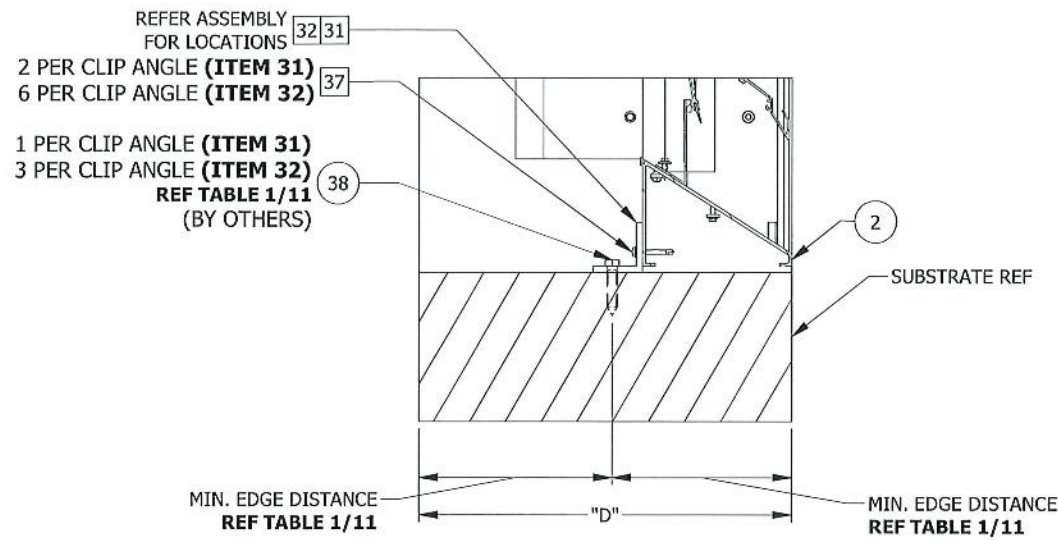
**ASSEMBLY 'B' & SECTION VIEWS**

N.T.S.  
MAX. SHIP SECTION : **55\" W X 120\" H** (REF SHEET 2 FOR SINGLE SECTION CONSTRUCTION)  
(SHOWN AS REAR VIEW)

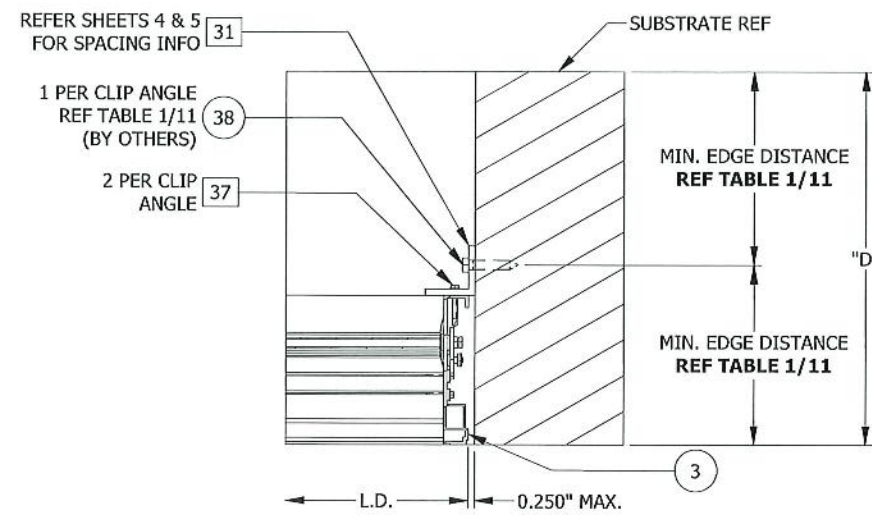


|                               |   |                                       |   |                         |               |               |
|-------------------------------|---|---------------------------------------|---|-------------------------|---------------|---------------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                                       | NS  | JDS                     | JDS           |               |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                                       | NS  | MMM                     | MMM           | 7016 10/24/18 |
| REV                           | DESCRIPTION                             |                                       | BY  | CHK                     | APVD          | ECN DATE      |
| AUTHOR                        | ENK                                     | 8/15/2008                             | RUSKIN Air & Sound Control<br>3900 Doctor Greaves Road, Grandview, MO 64030 |                         |               |               |
| CHECKED                       | DJR                                     | 11/15/2008                            |   |                         |               |               |
| APPROVED                      | DJR                                     | 11/15/2008                            |   |                         |               |               |
| MATERIAL<br>EXTRUDED ALUMINUM |   | PRODUCT                               | ELC6375DXD - EXTRUDED COMBINATION LOUVER                                    |                         |               |               |
|                               |   | TITLE<br>ASSEMBLY 'B' & SECTION VIEWS |   |                         |               |               |
|                               |   | SIZE<br>B                             |   | DWG NO<br>60-022114-00B |               | REV<br>F      |
| ECN                           |   | SCALE<br>N.T.S.                       | INVENTOR  |                         | SHEET 5 OF 17 |               |

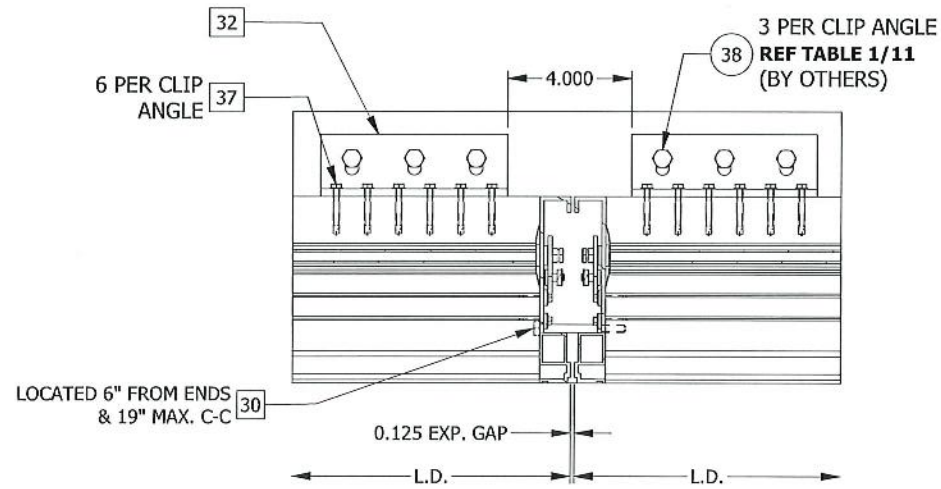




**DETAIL H**  
STANDARD INSTALLATION DETAIL @ HEAD/SILL

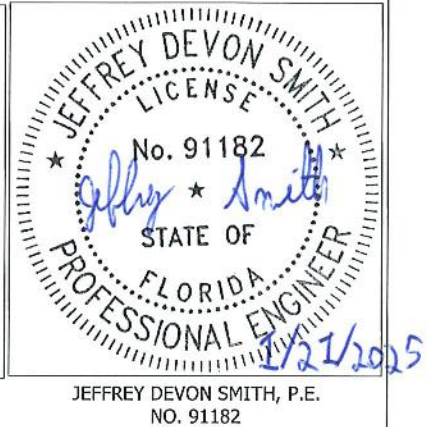


**DETAIL J**  
STANDARD INSTALLATION DETAIL @ JAMB



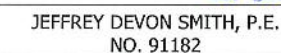
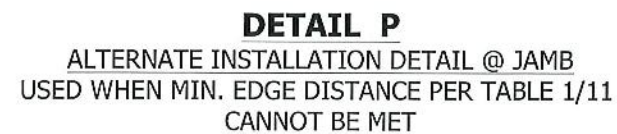
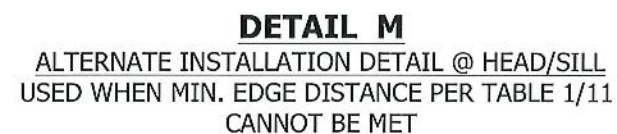
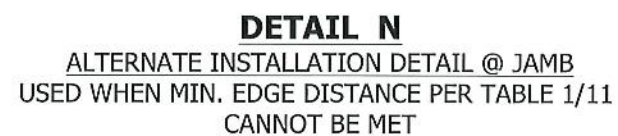
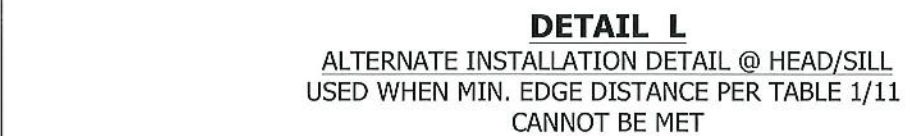
**DETAIL K**  
MULLION CONNECTION DETAIL

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
**NOA-No. 25-0214.02**  
**Expiration Date 02/11/2030**  
  
By Ishag I. Chank  
**Miami-Dade Product Control**



| F        | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS  | JDS                                      | JDS      |               |          |
|----------|---|---|--|----------|---------------|----------|
| E        | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS  | MMM                                      | MMM      | 7016          | 10/24/18 |
| REV      | DESCRIPTION                             | BY  | CHK                                      | APVD     | ECN           | DATE     |
| AUTHOR   | ENK 8/15/2008                           | <b>RUSKIN Air &amp; Sound Control</b><br>3900 Doctor Greaves Road, Grandview, MO 64030<br>PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER<br>TITLE STANDARD INSTALLATION DETAILS |  |          |               |          |
| CHECKED  | DJR 11/15/2008                          |   |  |          |               |          |
| APPROVED | DJR 11/15/2008                          |   |  |          |               |          |
| MATERIAL | EXTRUDED ALUMINUM                       | PRODUCT   | ELC6375DXD - EXTRUDED COMBINATION LOUVER |          |               |          |
|          |   | TITLE   | STANDARD INSTALLATION DETAILS            |          |               |          |
|          |   | SIZE  | B  | DWG NO   | 60-022114-00B | REV F    |
| ECN      |   | SCALE   | N.T.S.                                   | INVENTOR | SHEET 6 OF 17 |          |

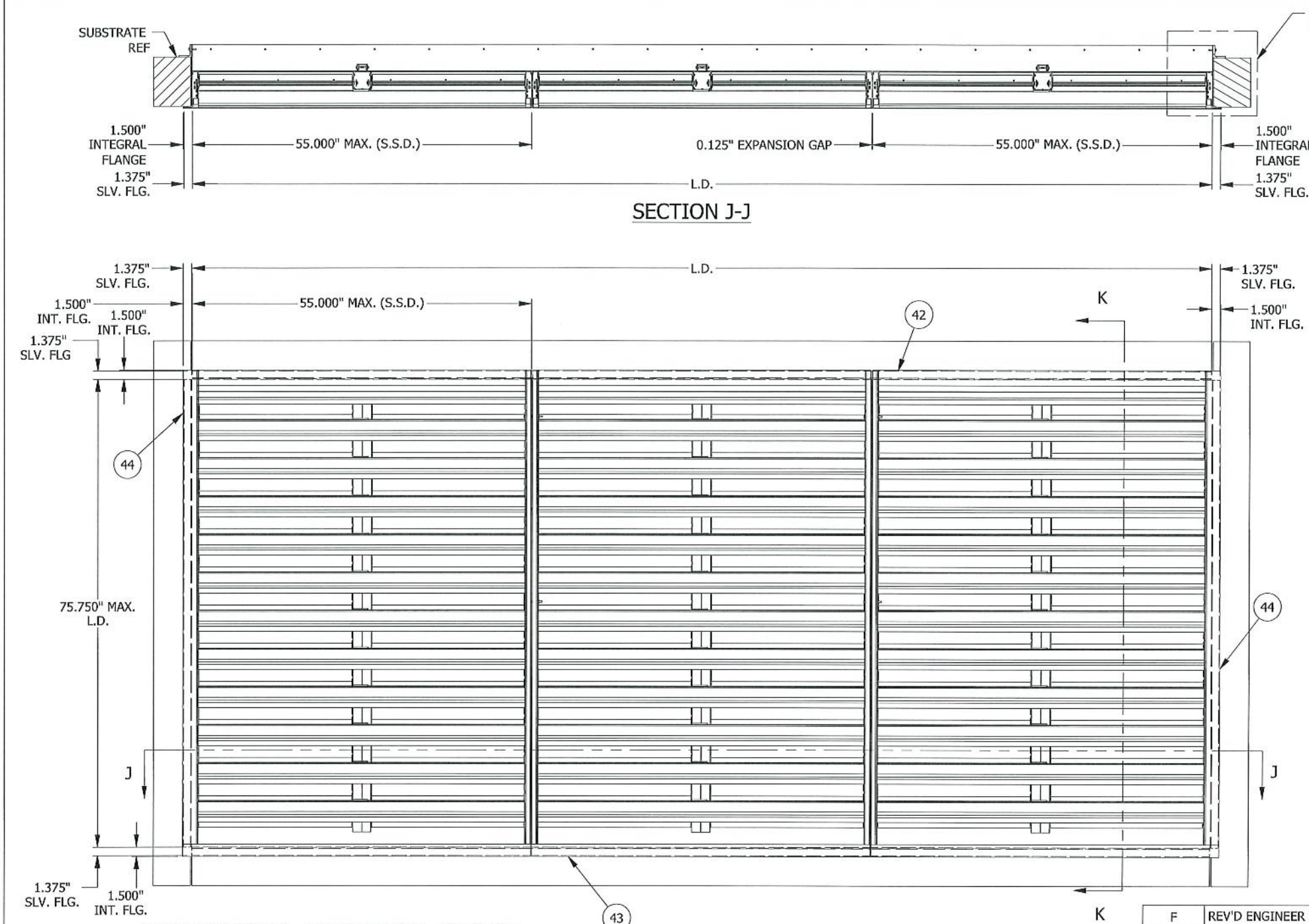




By Ishag I. Chande  
Miami-Dade Product Control

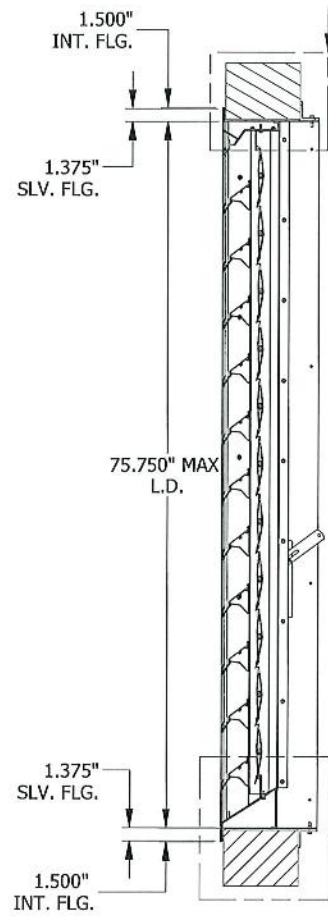
|                               |   |     |   |            |             |            |             |
|-------------------------------|---|-----|---|------------|-------------|------------|-------------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS  | JDS        | JDS         |            |             |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS  | MMM        | MMM         | 7016       | 10/24/18    |
| <b>REV</b>                    | <b>DESCRIPTION</b>                      |     | <b>BY</b>   | <b>CHK</b> | <b>APVD</b> | <b>ECN</b> | <b>DATE</b> |
| AUTHOR                        |   | ENK | <b>RUSKIN Air &amp; Sound Control</b><br><br>3900 Doctor Greaves Road, Grandview, MO 64030  |            |             |            |             |
| CHECKED                       |   | DJR |   |            |             |            |             |
| APPROVED                      |   | DJR |   |            |             |            |             |
|                               |   |     |   |            |             |            |             |
| MATERIAL<br>EXTRUDED ALUMINUM |   |     | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER<br>TITLE ALTERNATE INSTALLATION DETAILS<br>SIZE B      DWG NO 60-022114-00B      REV F |            |             |            |             |
| ECN                           |   |     | SCALE N.T.S.      INVENTOR      SHEET 7 OF 17   |            |             |            |             |





REF DETAIL T/10 FOR SLEEVE ATTACHMENT TO LOUVER  
REF DETAIL U/10 FOR INSTALL

REF DETAIL Q/10 FOR SLEEVE ATTACHMENT TO LOUVER  
REF DETAIL R/10 & S/10 FOR INSTALL



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0214.02**  
Expiration Date **02/11/2030**  
By *Ishag I. Chande*  
**Miami-Dade Product Control**

SLEEVE ATTACHMENT IS SIMILAR TO HEAD  
REF DETAIL R/10 & S/10 FOR INSTALL

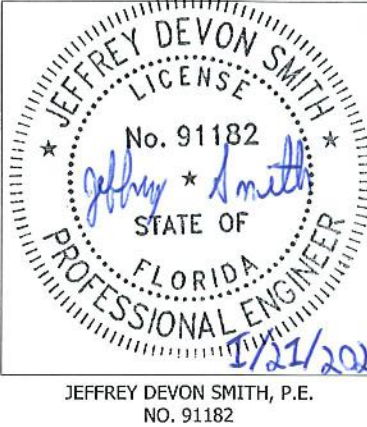
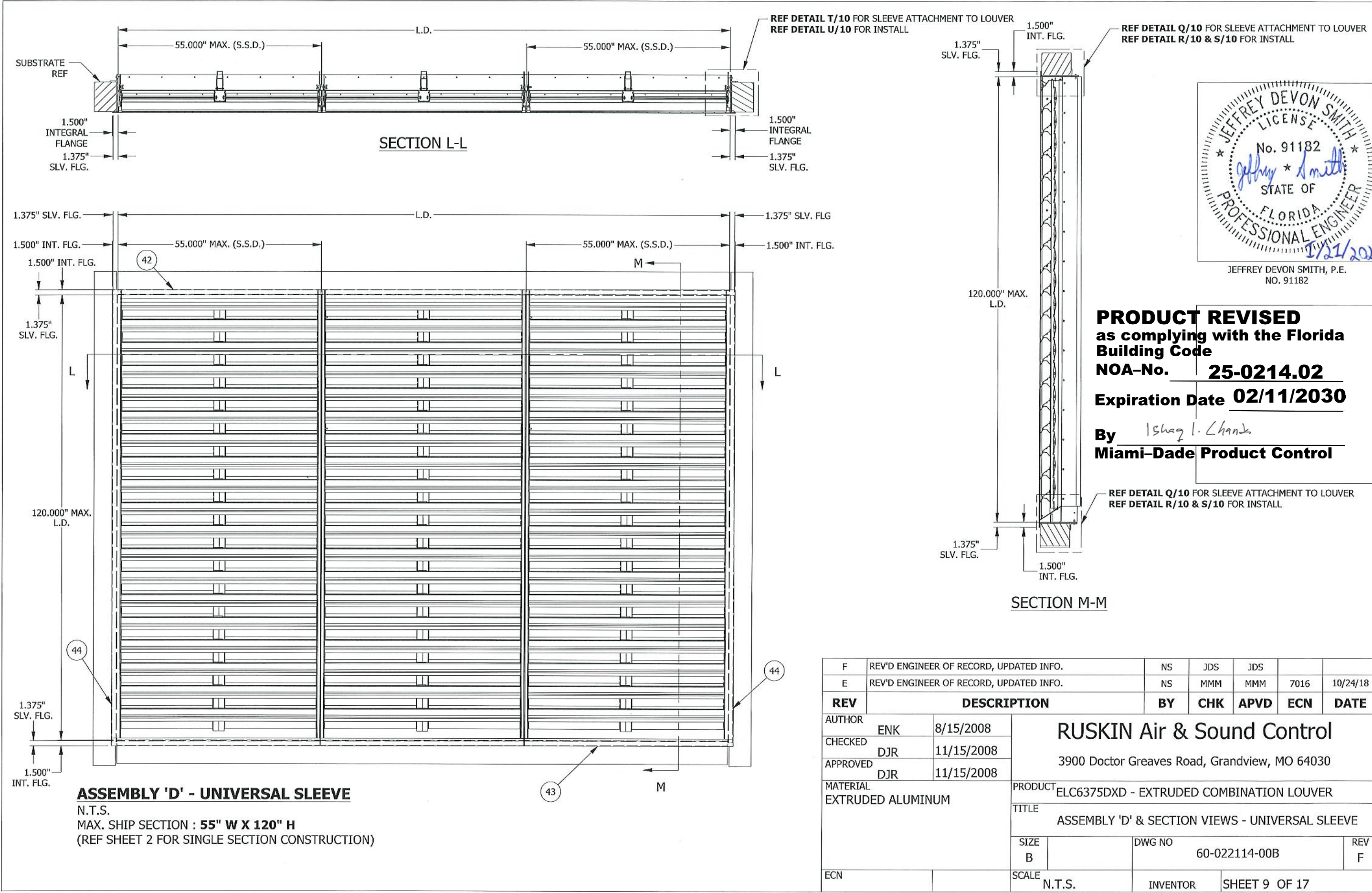
**ASSEMBLY 'C' - UNIVERSAL SLEEVE**  
N.T.S.  
MAX. SHIP SECTION : **55" W X 75.75" H**  
(REF SHEET 2 FOR SINGLE SECTION CONSTRUCTION)



|                               |   |                 |   |                             |          |               |
|-------------------------------|---|-----------------|---|-----------------------------|----------|---------------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                 | NS  | JDS                         | JDS      |               |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |                 | NS  | MMM                         | MMM      | 7016 10/24/18 |
| REV                           | DESCRIPTION                             |                 | BY  | CHK                         | APVD     | ECN DATE      |
| AUTHOR                        | ENK                                     | 8/15/2008       | RUSKIN Air & Sound Control<br><br>3900 Doctor Greaves Road, Grandview, MO 64030 |                             |          |               |
| CHECKED                       | DJR                                     | 11/15/2008      |   |                             |          |               |
| APPROVED                      | DJR                                     | 11/15/2008      |   |                             |          |               |
| MATERIAL<br>EXTRUDED ALUMINUM |   | PRODUCT         | ELC6375DXD - EXTRUDED COMBINATION LOUVER  |                             |          |               |
|                               |   | TITLE           | ASSEMBLY 'C' & SECTION VIEWS - UNIVERSAL SLEEVE                                 |                             |          |               |
|                               |   | SIZE<br>B       |   | DWG NO<br><br>60-022114-00B | REV<br>F |               |
| ECN                           |   | SCALE<br>N.T.S. | INVENTOR  | SHEET 8 OF 17               |          |               |

JEFFREY DEVON SMITH, P.E.  
NO. 91182

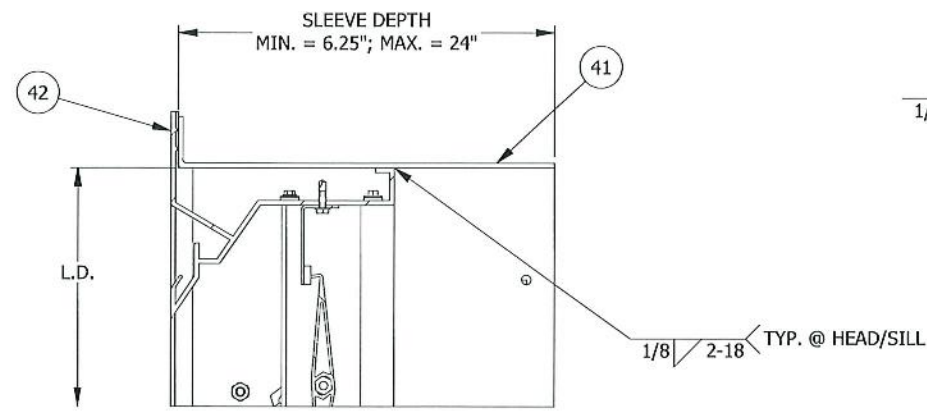




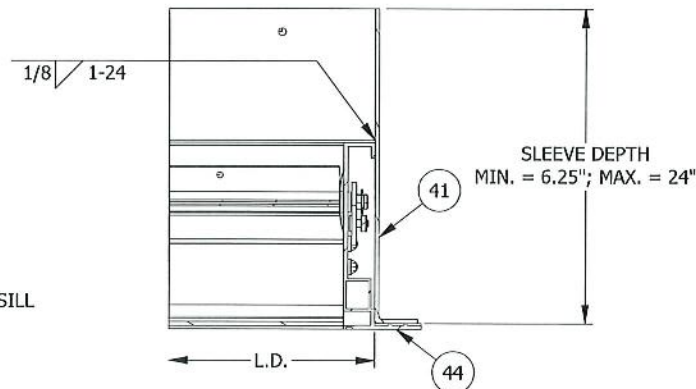
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0214.02**  
Expiration Date **02/11/2030**  
By *Ishaq I. Chande*  
**Miami-Dade Product Control**

|                               |   |            |   |                         |          |               |
|-------------------------------|---|------------|---|-------------------------|----------|---------------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            | NS  | JDS                     | JDS      |               |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            | NS  | MMM                     | MMM      | 7016 10/24/18 |
| REV                           | DESCRIPTION                             |            | BY  | CHK                     | APVD     | ECN DATE      |
| AUTHOR                        | ENK                                     | 8/15/2008  | RUSKIN Air & Sound Control<br>3900 Doctor Greaves Road, Grandview, MO 64030 |                         |          |               |
| CHECKED                       | DJR                                     | 11/15/2008 |   |                         |          |               |
| APPROVED                      | DJR                                     | 11/15/2008 |   |                         |          |               |
| MATERIAL<br>EXTRUDED ALUMINUM |   | PRODUCT    | ELC6375DXD - EXTRUDED COMBINATION LOUVER                                    |                         |          |               |
|                               |   | TITLE      | ASSEMBLY 'D' & SECTION VIEWS - UNIVERSAL SLEEVE                             |                         |          |               |
|                               |   | SIZE<br>B  |   | DWG NO<br>60-022114-00B | REV<br>F |               |
|                               |   | ECN        |   | SCALE<br>N.T.S.         | INVENTOR | SHEET 9 OF 17 |

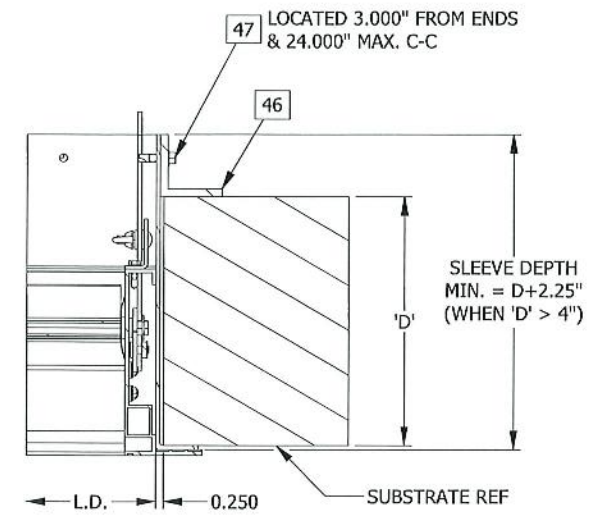




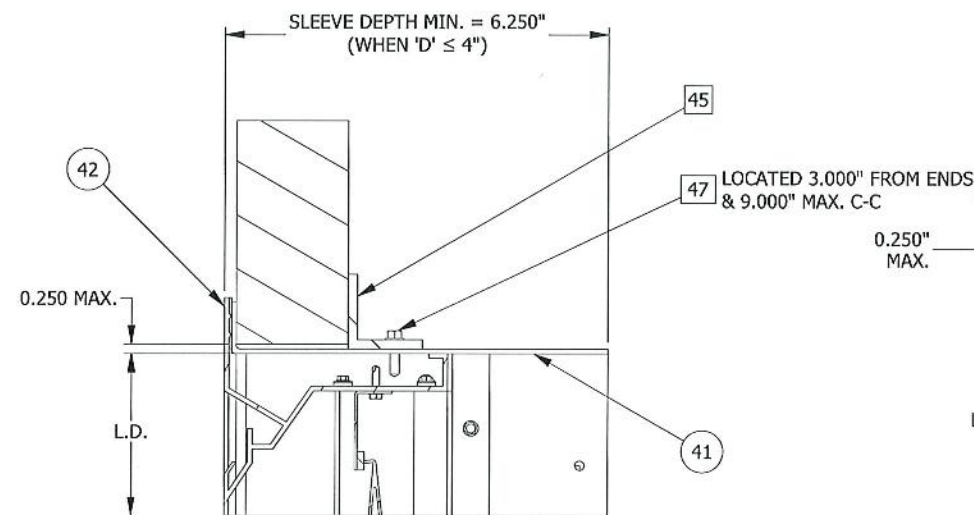
**DETAIL Q**  
UNIVERSAL SLEEVE WELDING DETAIL  
(TYP. AT HEAD/SILL)



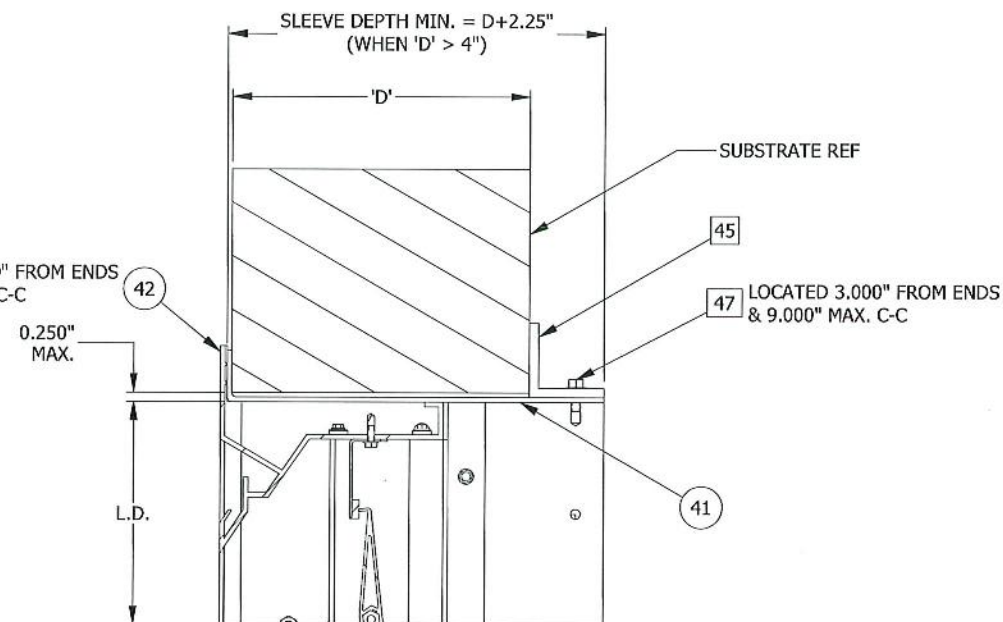
**DETAIL T**  
UNIVERSAL SLEEVE WELDING DETAIL  
(@ JAMBS)



**DETAIL U**  
UNIVERSAL SLEEVE CONNECTION DETAIL  
(@ JAMBS)



**DETAIL S**  
UNIVERSAL SLEEVE CONNECTION DETAIL  
(TYP. AT HEAD/SILL)



**DETAIL R**  
UNIVERSAL SLEEVE CONNECTION DETAIL  
(TYP. AT HEAD/SILL)



JEFFREY DEVON SMITH, P.E.  
NO. 91182

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0214.02**

Expiration Date **02/11/2030**

By Ishag I. Chande  
**Miami-Dade Product Control**

|                               |   |     |                 |   |                         |      |          |
|-------------------------------|---|-----|-----------------|---|-------------------------|------|----------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS              | JDS   | JDS                     |      |          |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS              | MMM   | MMM                     | 7016 | 10/24/18 |
| REV                           | DESCRIPTION                             |     | BY              | CHK   | APVD                    | ECN  | DATE     |
| AUTHOR                        |   | ENK | 8/15/2008       | RUSKIN Air & Sound Control<br><br>3900 Doctor Greaves Road, Grandview, MO 64030 |                         |      |          |
| CHECKED                       |   | DJR | 11/15/2008      |   |                         |      |          |
| APPROVED                      |   | DJR | 11/15/2008      |   |                         |      |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |     | PRODUCT         | ELC6375DXD - EXTRUDED COMBINATION LOUVER  |                         |      |          |
|                               |   |     | TITLE           | UNIVERSAL SLEEVE ATTACHMENT DETAILS   |                         |      |          |
|                               |   |     | SIZE<br>B       |   | DWG NO<br>60-022114-00B |      | REV<br>F |
| ECN                           |   |     | SCALE<br>N.T.S. | INVENTOR  | SHEET 10 OF 17          |      |          |

TABLE 01 - STANDARD CLIP ANGLE INSTALLATION SUBSTRATE FASTENER (ITEM 38) (BY OTHERS)

| SUBSTRATE TYPE | MIN. SUBSTRATE REQUIREMENTS                           | FASTENER TYPE                                       | MIN. EMBEDMENT             | MIN. EDGE DISTANCE |
|----------------|---|---|----------------------------|--------------------|
| WOOD           | 3" THICK, 0.42 SPECIFIC GRAVITY                       | 3/8" DIA. BOLT W/NUT, MIN. A307 GRADE A             | 3 THREADS BEYOND NUT       | 2"                 |
|                |   | 3/8" DIA. LAG SCREW, 2" LONG, MIN. A307 GRADE A     | 1 3/4"                     | 2"                 |
| STEEL          | 16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH | 3/8" DIA. BOLT W/NUT, MIN. A307 GRADE A             | 3 THREADS BEYOND NUT       | 3/4"               |
|                | 14 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH | 3/8" SELF TAPPING SCREW, CARBON STEEL               | 3 THREADS BEYOND SUBSTRATE | 3/4"               |
| CONCRETE       | 3500 PSI COMP. STRENGTH, UNCRACKED                    | 1/4" DIA. HILTI KWIK BOLT 3, CARBON STEEL, W/WASHER | 1 1/2"                     | 4"                 |



TABLE 02 - DOUBLE CLIP ANGLE INSTALLATION SUBSTRATE FASTENER (ITEM 39) (BY OTHERS)

| SUBSTRATE TYPE   | MIN. SUBSTRATE REQUIREMENTS                    | FASTENER TYPE  | MIN. EMBEDMENT | MIN. WALL DEPTH       |
|------------------|--|--|----------------|-----------------------|
| CONCRETE         | 4000 PSI COMP. STRENGTH, UNCRACKED             | 3/8" DIA. DEWALT SCREW-BOLT + SCREW ANCHOR, CARBON STEEL (3 PER ITEM 34) | 3 1/4"         | 5"                    |
| GROUT FILLED CMU | ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH | 3/8" DIA. DEWALT SCREW-BOLT + SCREW ANCHOR, CARBON STEEL (3 PER ITEM 34) | 3 1/4"         | 8" NOM. (7.625" ACT.) |

**PRODUCT REVISED**  
as complying with the Florida Building Code

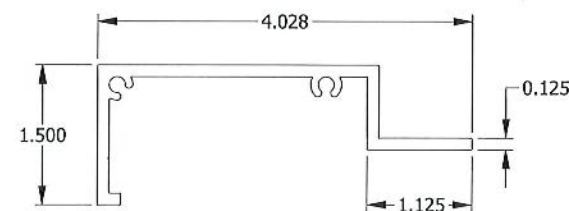
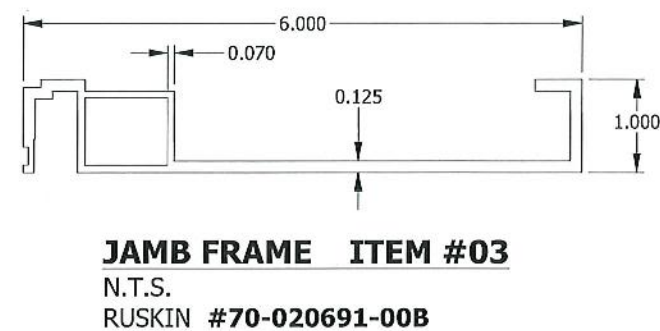
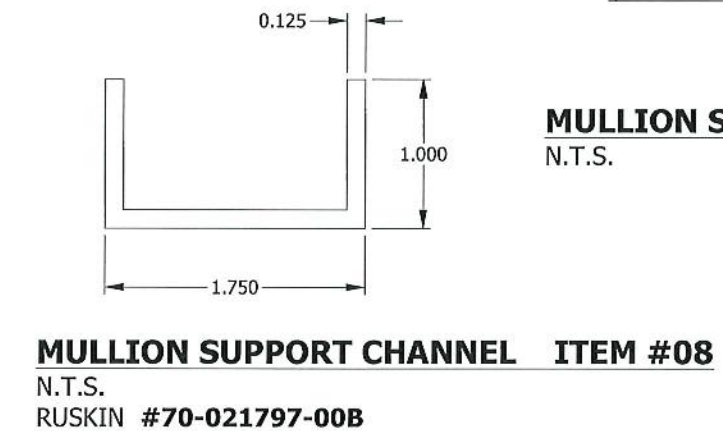
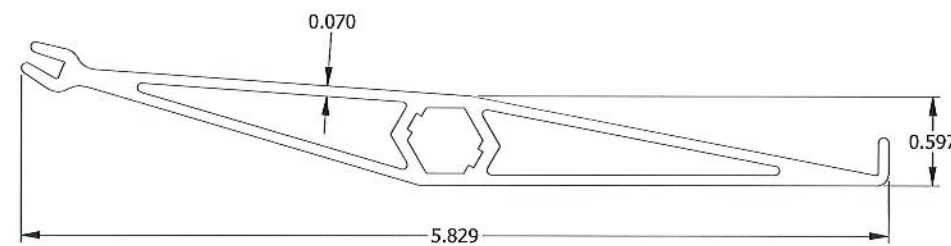
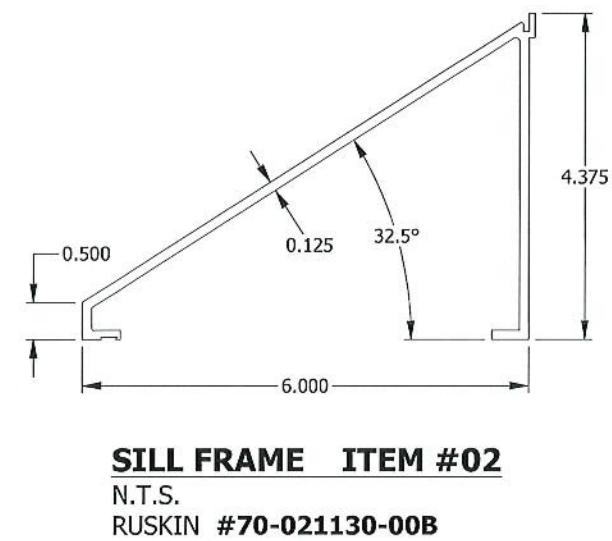
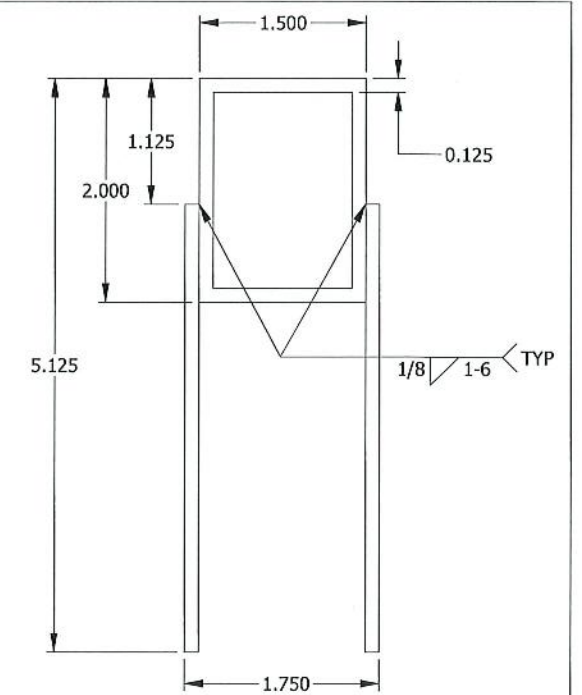
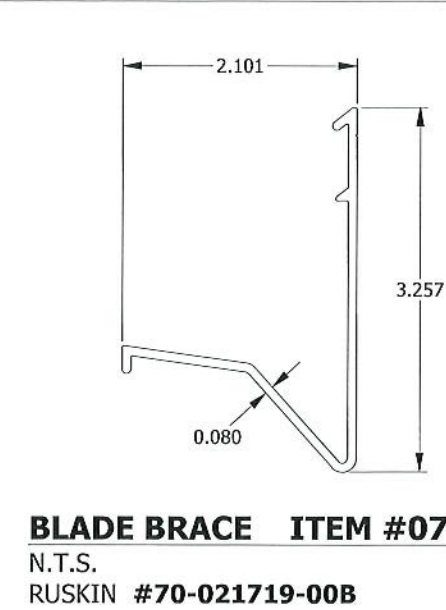
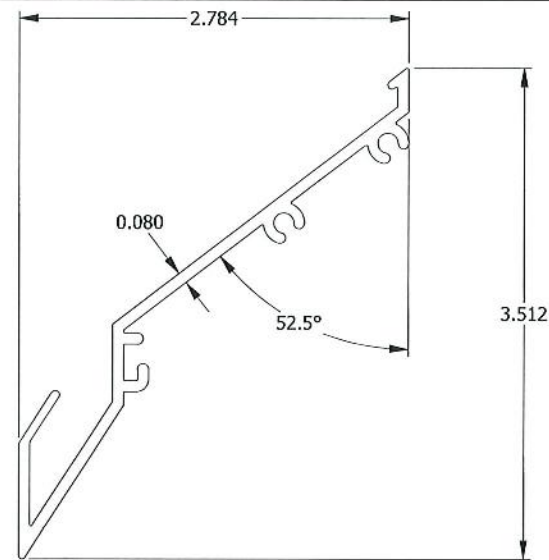
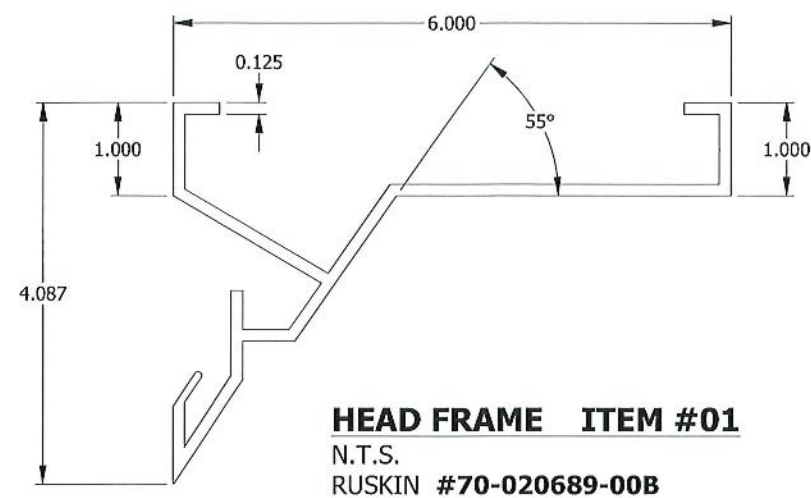
NOA-No. **25-0214.02**

Expiration Date **02/11/2030**

By Ishag I. Chande  
**Miami-Dade Product Control**

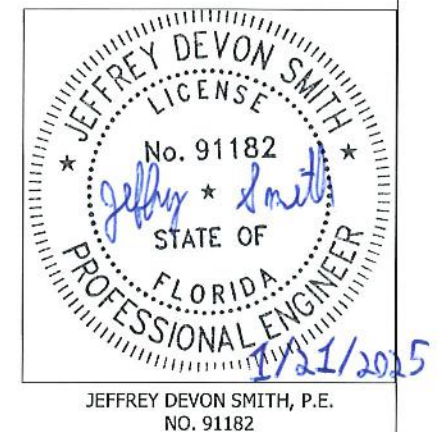
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| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            | NS  | JDS | JDS                     |                |          |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            | NS  | MMM | MMM                     | 7016           | 10/24/18 |
| REV                           | DESCRIPTION                             |            | BY  | CHK | APVD                    | ECN            | DATE     |
| AUTHOR                        | ENK                                     | 8/15/2008  | RUSKIN Air & Sound Control<br><br>3900 Doctor Greaves Road, Grandview, MO 64030 |     |                         |                |          |
| CHECKED                       | DJR                                     | 11/15/2008 |   |     |                         |                |          |
| APPROVED                      | DJR                                     | 11/15/2008 |   |     |                         |                |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |            | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER                                |     |                         |                |          |
|                               |   |            | TITLE<br>SUBSTRATE FASTENER TABLES  |     |                         |                |          |
|                               |   |            | SIZE<br>B   |     | DWG NO<br>60-022114-00B |                | REV<br>F |
| ECN                           |   | SCALE      | N.T.S.  |     | INVENTOR                | SHEET 11 OF 17 |          |



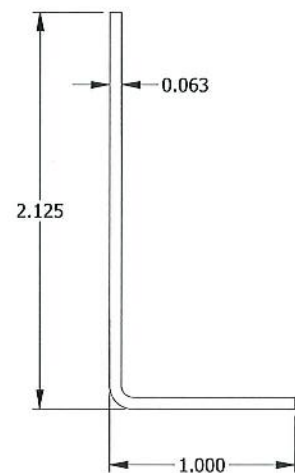


**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0214.02**  
Expiration Date **02/11/2030**

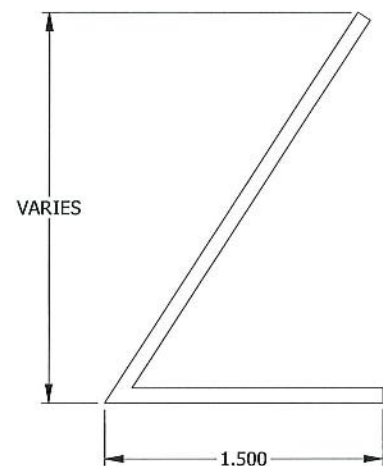
By Ishaq I. Chank  
**Miami-Dade Product Control**



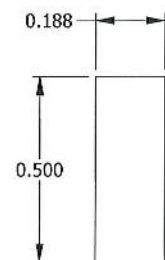
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| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            | NS  | MMM                     | MMM                     | 7016 | 10/24/18 |
| REV                           | DESCRIPTION                             |            | BY  | CHK                     | APVD                    | ECN  | DATE     |
| AUTHOR                        |   |            | RUSKIN Air & Sound Control<br>3900 Doctor Greaves Road, Grandview, MO 64030 |                         |                         |      |          |
| ENK                           |   | 8/15/2008  |   |                         |                         |      |          |
| CHECKED DJR                   |   | 11/15/2008 |   |                         |                         |      |          |
| APPROVED DJR                  |   |            | 11/15/2008  |                         |                         |      |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |            | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER                            |                         |                         |      |          |
|                               |   |            | TITLE<br>ELC6375DXD - PARTS   |                         |                         |      |          |
|                               |   |            | SIZE<br>B   | DWG NO<br>60-022114-00B |                         |      | REV<br>F |
| ECN                           |   |            | SCALE<br>N.T.S.   |                         | INVENTOR SHEET 12 OF 17 |      |          |



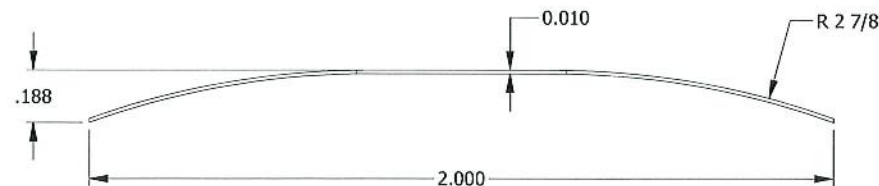
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N.T.S.  
RUSKIN #70-007611-00B



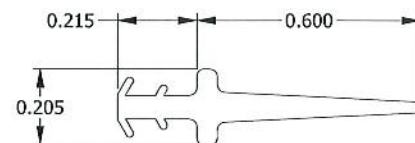
**BOTTOM BLADE STOP ITEM #11**  
N.T.S.  
RUSKIN #70-022225-00B



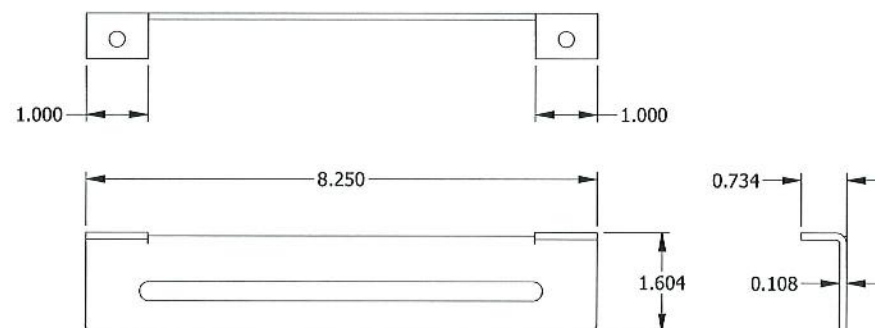
**BLADE STOP SEAL ITEM #12**  
N.T.S.  
RUSKIN #88-020135-00B



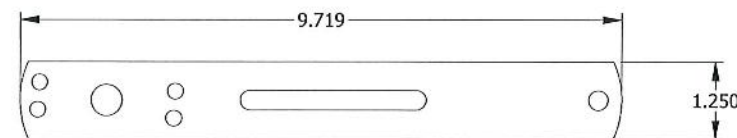
**JAMB SEAL ITEM #13**  
N.T.S.  
RUSKIN #80-020258-00B



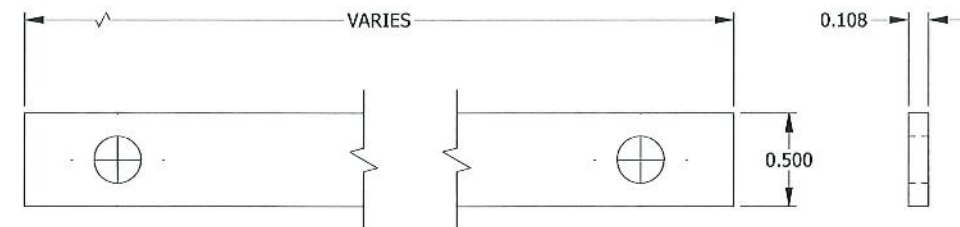
**BLADE SEAL ITEM #14**  
N.T.S.  
RUSKIN #80-015698-00B



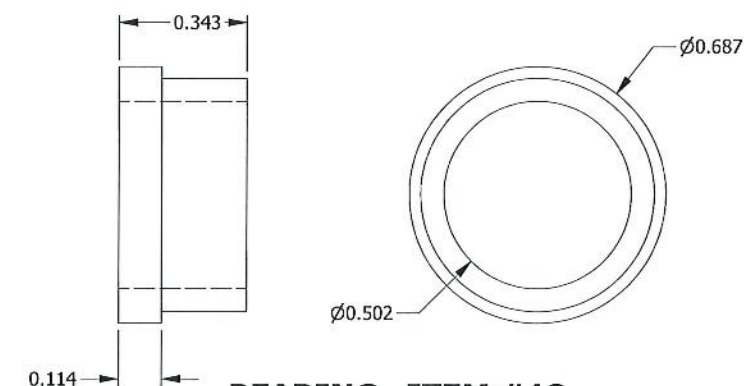
**HAND QUADRANT PLATE ITEM #15**  
N.T.S.  
RUSKIN #73-003023-01B



**HAND QUADRANT ARM ITEM #16**  
N.T.S.  
RUSKIN #73-003021-01B



**TIE-BAR ITEM #17**  
N.T.S.



**BEARING ITEM #18**  
N.T.S.  
RUSKIN# 79-002082-03B



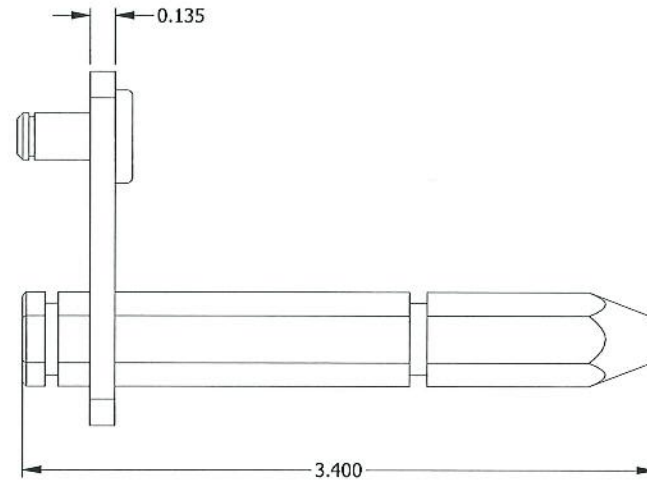
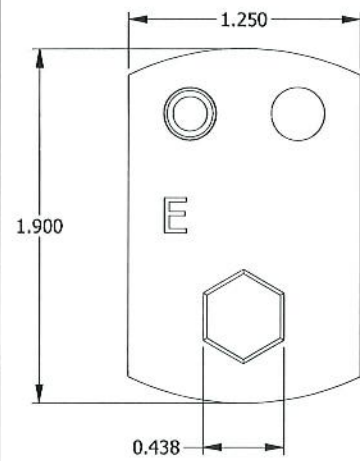
JEFFREY DEVON SMITH, P.E.  
NO. 91182

**PRODUCT REVISED**  
**as complying with the Florida**  
**Building Code**  
**NOA-No. 25-0214.02**  
**Expiration Date 02/11/2030**

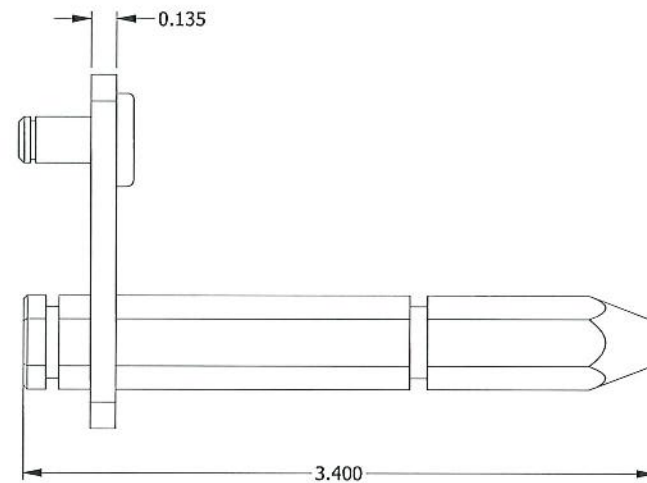
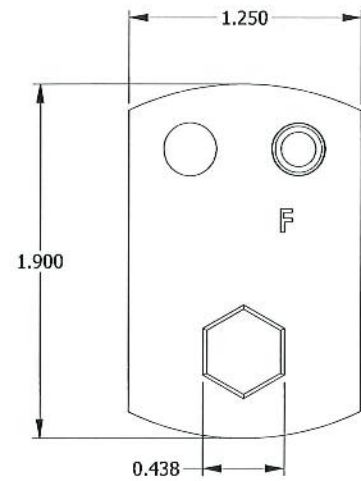
By Ishag I. Chande  
**Miami-Dade Product Control**

| F        | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS   | JDS                  | JDS  |                |          |
|----------|---|--|----------------------|------|----------------|----------|
| E        | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS   | MMM                  | MMM  | 7016           | 10/24/18 |
| REV      | DESCRIPTION                             | BY   | CHK                  | APVD | ECN            | DATE     |
| AUTHOR   | ENK 8/15/2008                           | <b>RUSKIN Air &amp; Sound Control</b><br>3900 Doctor Greaves Road, Grandview, MO 64030 |                      |      |                |          |
| CHECKED  | DJR 11/15/2008                          |  |                      |      |                |          |
| APPROVED | DJR 11/15/2008                          |  |                      |      |                |          |
| MATERIAL | EXTRUDED ALUMINUM                       | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER                                       |                      |      |                |          |
|          |   | TITLE ELC6375DXD - PARTS   |                      |      |                |          |
|          |   | SIZE B   | DWG NO 60-022114-00B |      | REV F          |          |
| ECN      |   | SCALE N.T.S.   | INVENTOR             |      | SHEET 13 OF 17 |          |

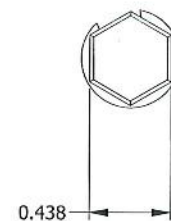
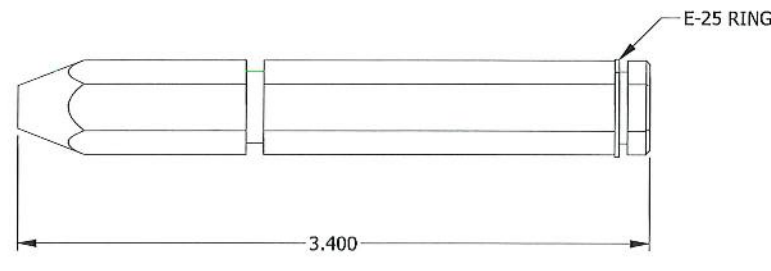




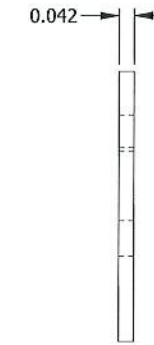
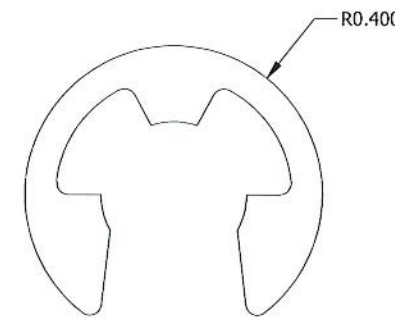
**E-SIDE LINKAGE CRANK ARM ASSEMBLY ITEM #19**  
N.T.S.  
RUSKIN# 77-000854-01B



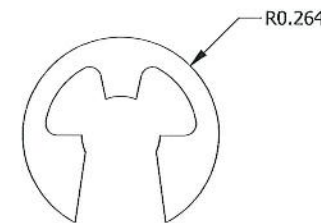
**F-SIDE LINKAGE CRANK ARM ASSEMBLY ITEM #20**  
N.T.S.  
RUSKIN# 77-002008-01B



**IDLER DRIVE AXLE ITEM #21**  
N.T.S.  
RUSKIN# 77-007686-00A



**RETAINING RING: TRUARC E-50 ITEM #22**  
N.T.S.  
RUSKIN# 88-020103-01B



**RETAINING RING: TRUARC E-25 ITEM #23**  
N.T.S.  
RUSKIN# 88-020099-01A



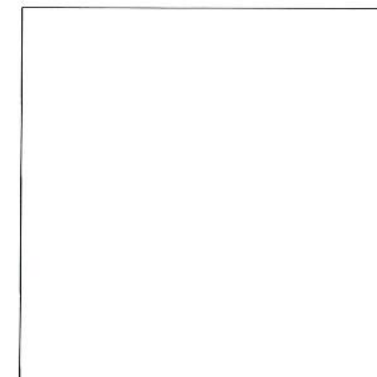
JEFFREY DEVON SMITH, P.E.  
NO. 91182

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. **25-0214.02**

Expiration Date **02/11/2030**

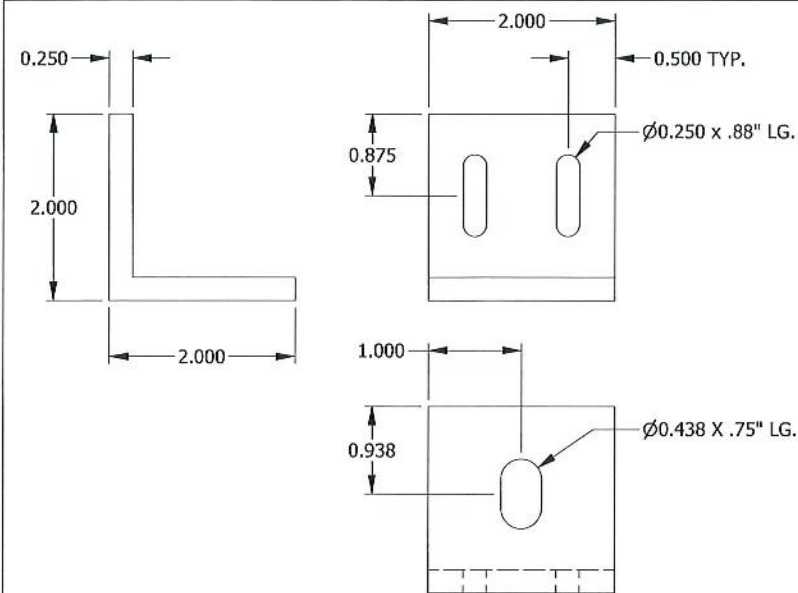
By Ishag I. Chank  
**Miami-Dade Product Control**



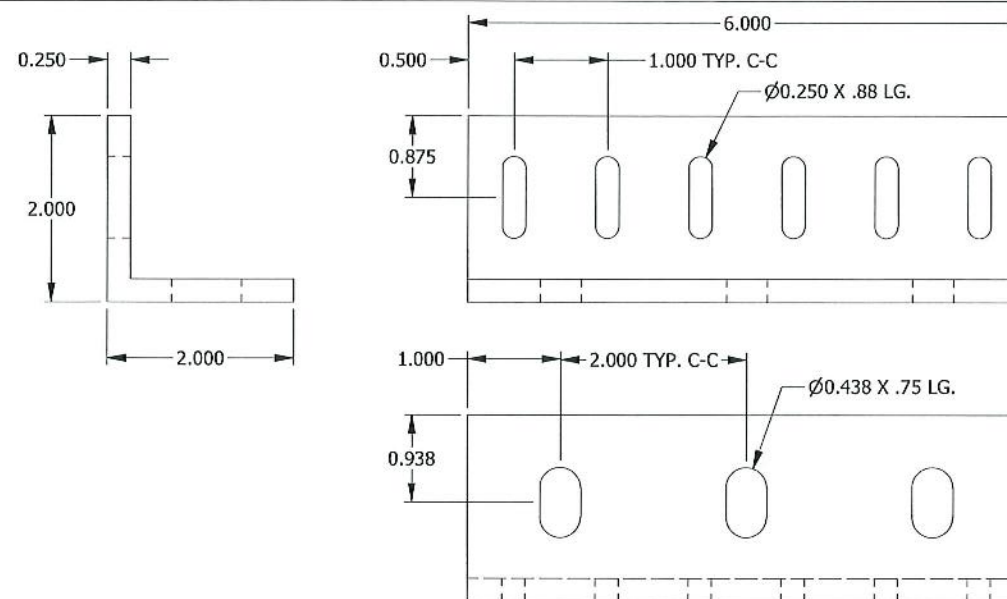
JEFFREY DEVON SMITH, P.E.  
NO. 91182

| F        | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS   | JDS                  | JDS  |                |          |
|----------|---|--|----------------------|------|----------------|----------|
| E        | REV'D ENGINEER OF RECORD, UPDATED INFO. | NS   | MMM                  | MMM  | 7016           | 10/24/18 |
| REV      | DESCRIPTION                             | BY   | CHK                  | APVD | ECN            | DATE     |
| AUTHOR   | ENK 8/15/2008                           | <b>RUSKIN Air &amp; Sound Control</b><br>3900 Doctor Greaves Road, Grandview, MO 64030 |                      |      |                |          |
| CHECKED  | DJR 11/15/2008                          |  |                      |      |                |          |
| APPROVED | DJR 11/15/2008                          |  |                      |      |                |          |
| MATERIAL | EXTRUDED ALUMINUM                       | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER                                       |                      |      |                |          |
|          |   | TITLE ELC6375DXD - PARTS   |                      |      |                |          |
|          |   | SIZE B   | DWG NO 60-022114-00B |      | REV F          |          |
| ECN      |   | SCALE N.T.S.   | INVENTOR             |      | SHEET 14 OF 17 |          |

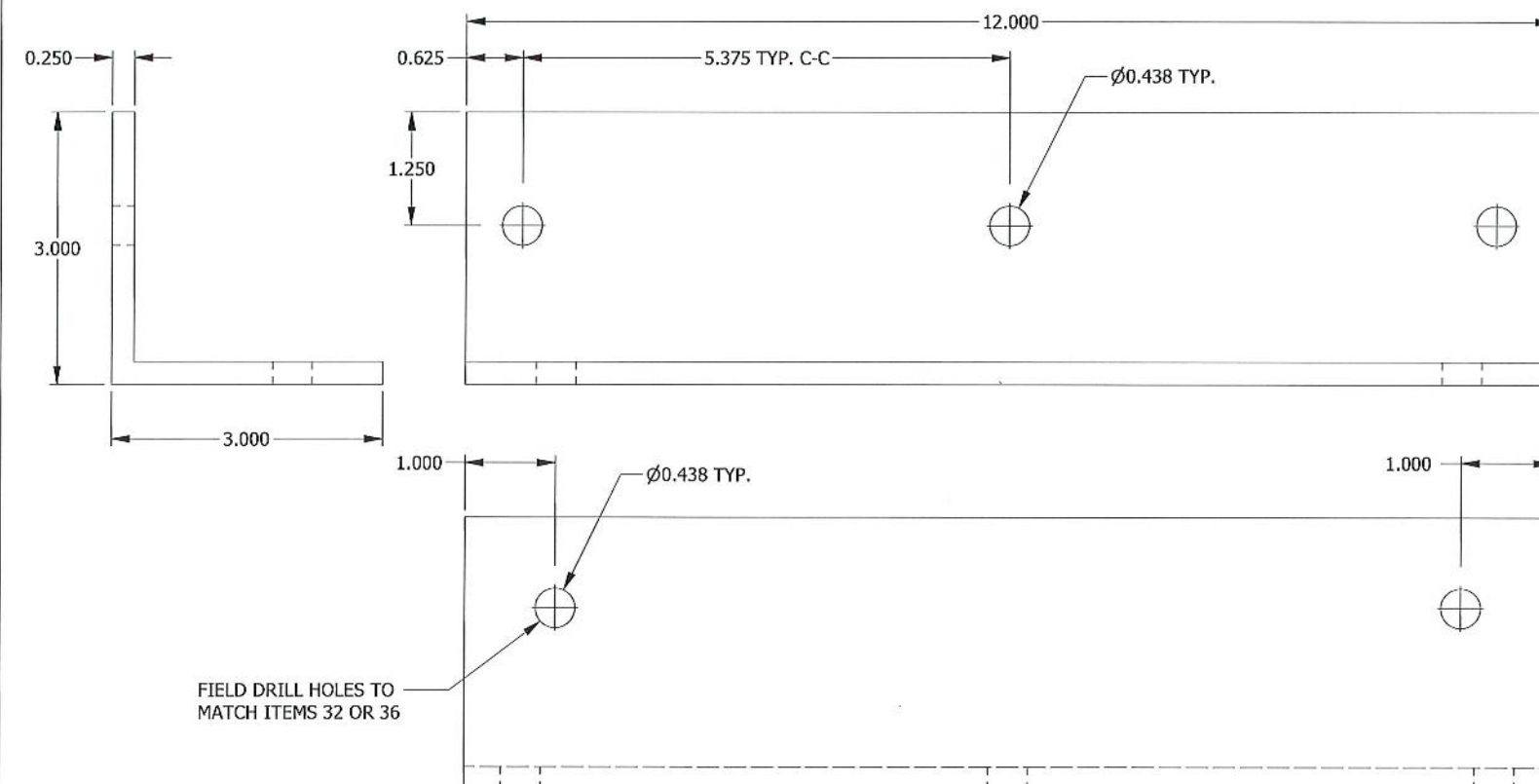




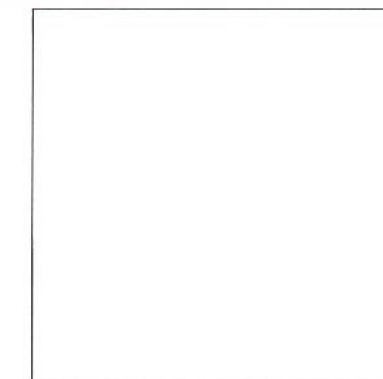
**ATTACHMENT CLIP ANGLE, 2" LG ITEM #31**  
N.T.S.  
RUSKIN# 85-022012-00B



**ATTACHMENT CLIP ANGLE, 6" LG ITEM #32**  
N.T.S.  
RUSKIN# 85-022774-00B



**ALTERNATE ATTACHMENT ANGLE, 12" LG ITEM #34**  
N.T.S.  
RUSKIN# 85-023364-00B

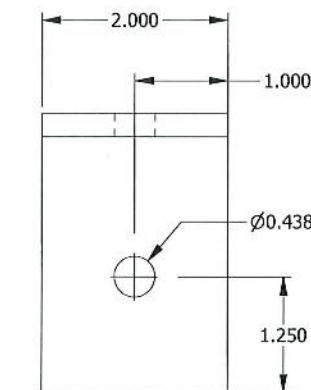


JEFFREY DEVON SMITH, P.E.  
NO. 91182

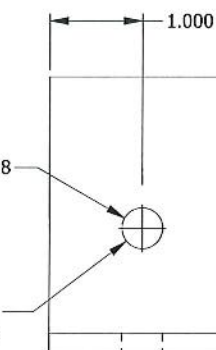
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0214.02**

Expiration Date **02/11/2030**

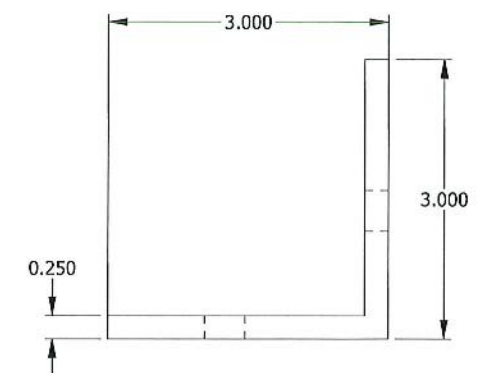
By *Ishaq I. Chandra*  
**Miami-Dade Product Control**



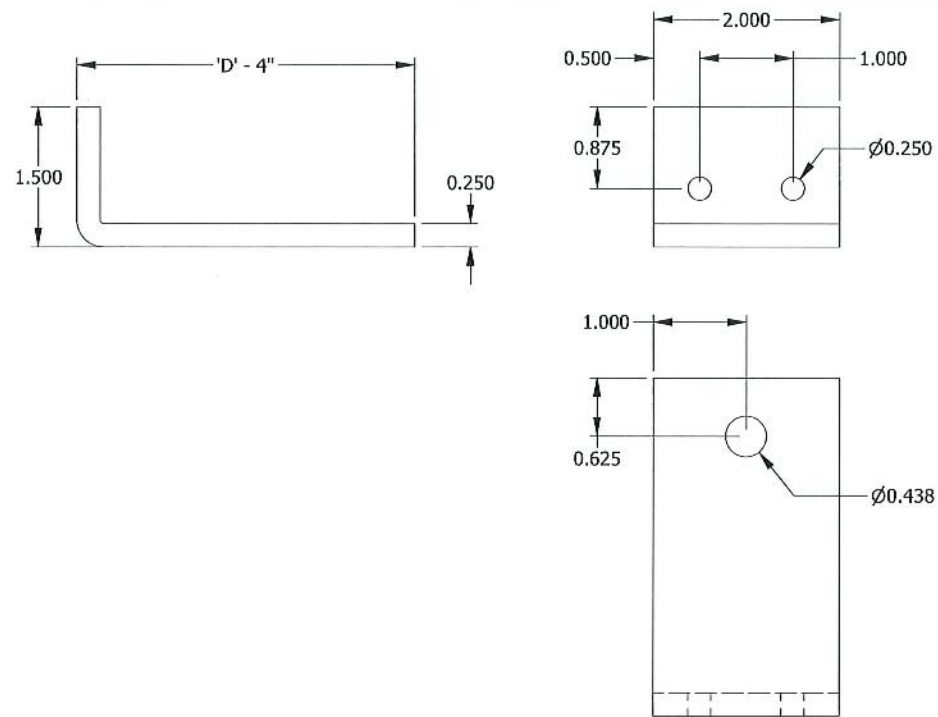
FIELD DRILL HOLES TO  
MATCH ITEMS 31 OR 35



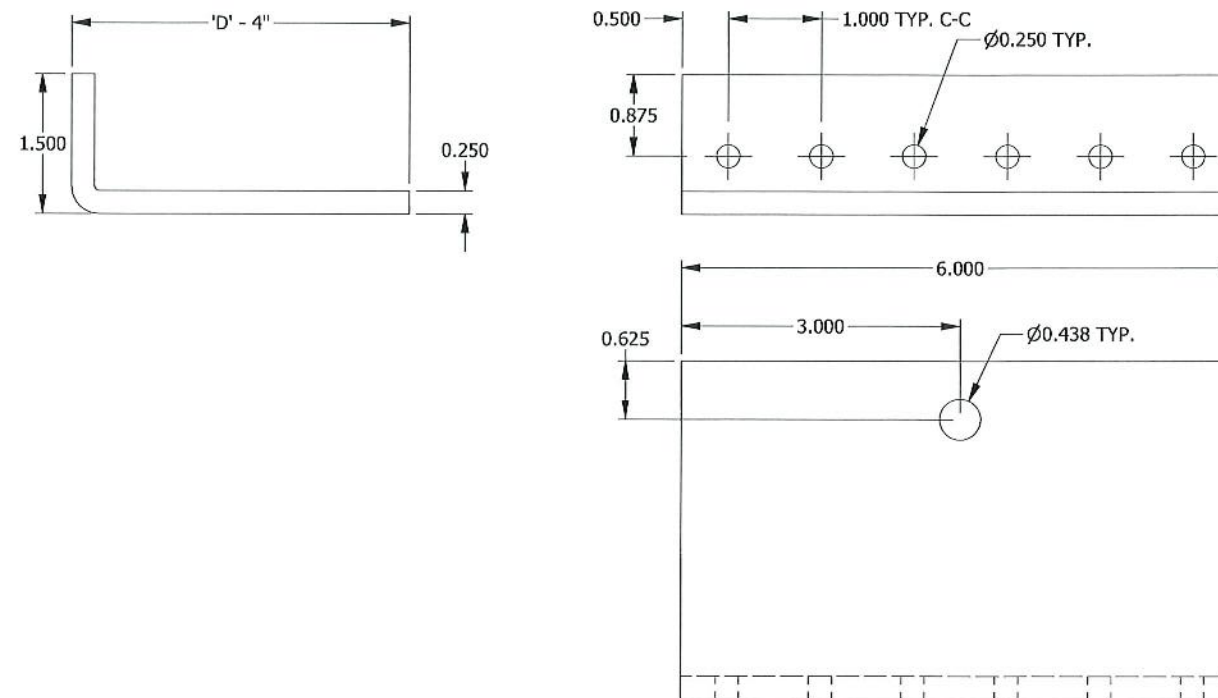
**ALTERNATE ATTACHMENT ANGLE, 2" LG ITEM #33**  
N.T.S.



|                               |   |     |  |   |      |                |          |
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| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS   | JDS   | JDS  |                |          |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS   | MMM   | MMM  | 7016           | 10/24/18 |
| REV                           | DESCRIPTION                             |     | BY   | CHK   | APVD | ECN            | DATE     |
| AUTHOR                        |   | ENK | 8/15/2008  | RUSKIN Air & Sound Control<br><br>3900 Doctor Greaves Road, Grandview, MO 64030 |      |                |          |
| CHECKED                       |   | DJR | 11/15/2008                                       |   |      |                |          |
| APPROVED                      |   | DJR | 11/15/2008                                       |   |      |                |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |     | PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER |   |      |                |          |
|                               |   |     | TITLE ELC6375DXD - PARTS                         |   |      |                |          |
|                               |   |     | SIZE<br>B  | DWG NO<br>60-022114-00B   |      |                | REV<br>F |
| ECN                           |   |     | SCALE<br>N.T.S.                                  | INVENTOR  |      | SHEET 15 OF 17 |          |



**ALTERNATE FORMED CLIP ANGLE, 2" LG ITEM #35**  
N.T.S.



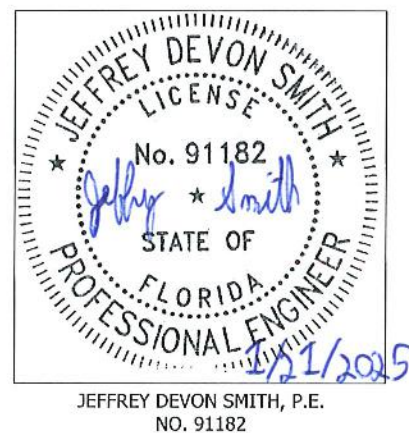
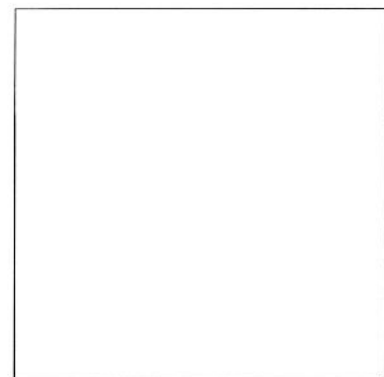
**ALTERNATE FORMED CLIP ANGLE, 6" LG ITEM #36**  
N.T.S.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. **25-0214.02**

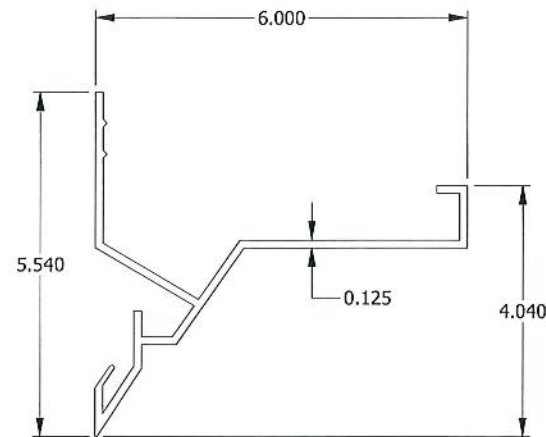
Expiration Date **02/11/2030**

By Ishag I. Chande  
**Miami-Dade Product Control**

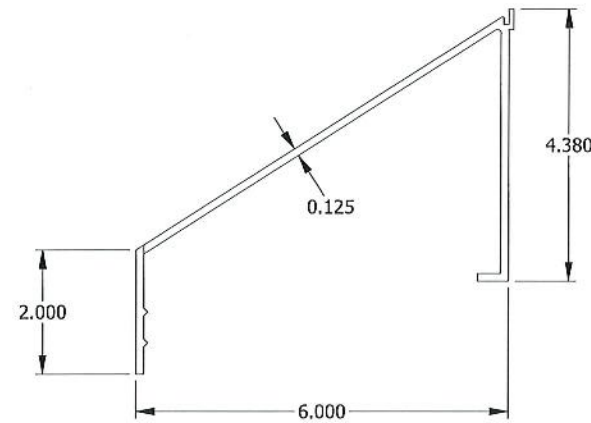


| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |            |   |  | NS | JDS            | JDS  |     |      |
|-------------------------------|---|------------|---|--|----|----------------|------|-----|------|
| REV                           | DESCRIPTION                             |            |   |  | BY | CHK            | APVD | ECN | DATE |
| AUTHOR                        | ENK                                     | 8/15/2008  | <b>RUSKIN Air &amp; Sound Control</b><br>3900 Doctor Greaves Road, Grandview, MO 64030<br>PRODUCT ELC6375DXD - EXTRUDED COMBINATION LOUVER<br>TITLE ELC6375DXD - PARTS<br>SIZE B<br>DWG NO 60-022114-00B<br>REV F |  |    |                |      |     |      |
| CHECKED                       | DJR                                     | 11/15/2008 |   |  |    |                |      |     |      |
| APPROVED                      | DJR                                     | 11/15/2008 |   |  |    |                |      |     |      |
| MATERIAL<br>EXTRUDED ALUMINUM |   |            | SCALE N.T.S.  |  |    |                |      |     |      |
| ECN                           |   |            | INVENTOR  |  |    | SHEET 16 OF 17 |      |     |      |

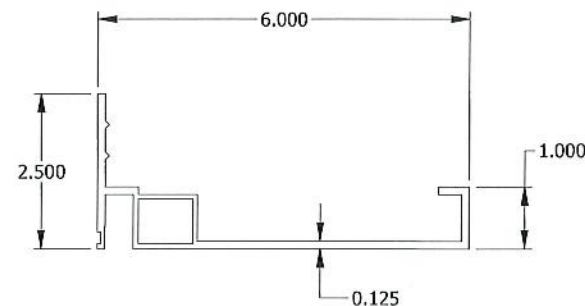




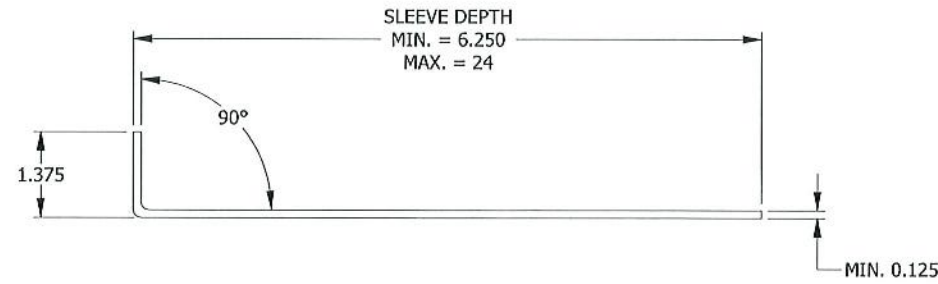
**HEAD FRAME W/ INTEGRAL FLANGE ITEM #42**  
N.T.S.  
RUSKIN #70-020838-00B



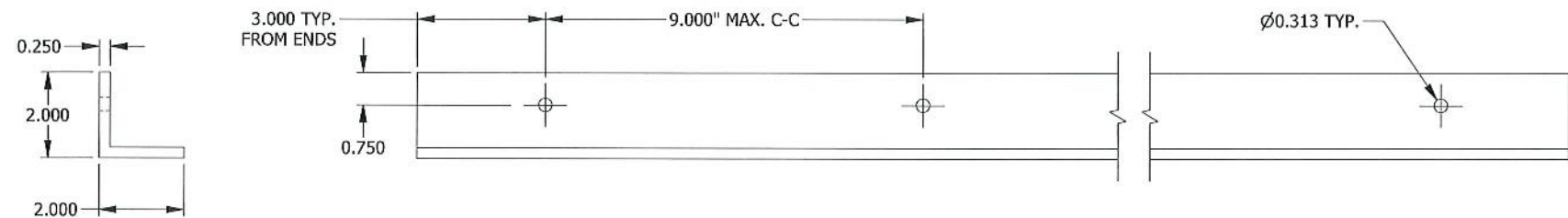
**SILL FRAME W/ INTEGRAL FLANGE ITEM #43**  
N.T.S.  
RUSKIN #70-021129-00B



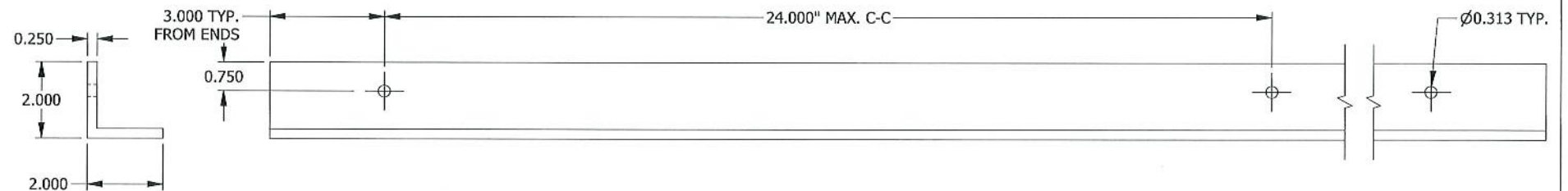
**JAMB FRAME W/ INTEGRAL FLANGE ITEM #44**  
N.T.S.  
RUSKIN #70-020840-00B



**FRONT FLANGE UNIVERSAL SLEEVE ITEM #41**  
N.T.S.



**CONT. RETAINING ANGLE - HEAD/SILL ITEM #45**  
N.T.S.



**CONT. RETAINING ANGLE - JAMBS ITEM #46**  
N.T.S.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0214.02**  
Expiration Date **02/11/2030**  
By *Ishag I. Chande*  
**Miami-Dade Product Control**

|                               |   |     |  |   |          |                |          |
|-------------------------------|---|-----|--|---|----------|----------------|----------|
| F                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS                                       | JDS   | JDS      |                |          |
| E                             | REV'D ENGINEER OF RECORD, UPDATED INFO. |     | NS                                       | MMM   | MMM      | 7016           | 10/24/18 |
| REV                           | DESCRIPTION                             |     | BY                                       | CHK   | APVD     | ECN            | DATE     |
| AUTHOR                        |   | ENK | 8/15/2008                                | RUSKIN Air & Sound Control<br><br>3900 Doctor Greaves Road, Grandview, MO 64030 |          |                |          |
| CHECKED                       |   | DJR | 11/15/2008                               |   |          |                |          |
| APPROVED                      |   | DJR | 11/15/2008                               |   |          |                |          |
| MATERIAL<br>EXTRUDED ALUMINUM |   |     | PRODUCT                                  |   |          |                |          |
|                               |   |     | ELC6375DXD - EXTRUDED COMBINATION LOUVER |   |          |                |          |
|                               |   |     | TITLE                                    |   |          |                |          |
|                               |   |     | ELC6375DXD - PARTS                       |   |          |                |          |
|                               |   |     | SIZE                                     |   | DWG NO   | 60-022114-00B  | REV      |
|                               |   |     | B  |   |          |                | F        |
| ECN                           |   |     | SCALE                                    | N.T.S.  | INVENTOR | SHEET 17 OF 17 |          |

