

| | | | |
|---|---|--------------------------|---------------|
|  | Document Title: Structural Performance Certification Authorization Report | Doc No: FRM B1-02 | |
| | | Rev No: 7 | Page: 1 Of: 1 |
| Required By: PRO B1-03 | | | |

CAR & Product ID Number: 757 - 129.0
Issue Date: 12/14/2015
Revision Date: 1/15/2020
Expiration Date: 11/30/2022
Company Code: 757

This Certification Authorization Report (CAR) is issued by Keystone Certifications, Inc. (KCI) after full validation review, and is based on a standardized evaluation of the product conducted by an independent accredited laboratory in accordance with the specified referenced standard. Actual fenestration product performance may vary based on many factors, including installation, condition of the wall/roof substrate and the age of the product and installation components.

This report indicates the product is eligible for the application of Keystone Certification Program certification labels. Licensee stipulates in affixing certification labels to products, that those products are representative of the specimen evaluated and documented for certification authorization. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at www.keystonecerts.com.

| | |
|---|---|
| Licensee Information: | Product Information: |
| Pocahontas Aluminum Company, Inc. 2001 Industrial Drive, PO Box 756 Pocahontas, AR 72455 USA | Model: 100 HS Aluminum Horizontal Slider XO Operator Type: HS Config: No Max Width: 62 Max Height: 53 |

| | |
|---------------------------------------|---------------------------------------|
| Referenced Standard: | Product Rating: |
| AAMA 1701.2-12 / FMHC&S Std. 3280.403 | Wind Zone I @ +25/-12.5 psf, 62x53 XO |

| | |
|-------------------------------------|---------------------|
| Qualifying Test Information: | |
| Test Report No: | ATI-F3054.01-801-44 |
| Test Report Expiration: | 11/30/2022 |

Authorized Signature:

Keystone Certifications, Inc.
145 Limekiln Rd. Suite 100B
New Cumberland, Pennsylvania 17070
Phone: 717-932-8500
Fax: 717-932-8501

| | | | | |
|---|--|-----------|------------------|-------|
|  | Document Title: | Doc No: | FRM B1-02 | |
| | Structural Performance Certification Authorization Report | Rev No: 7 | Page: 1 | Of: 1 |
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| | |
|---|---|
| Licensee Information: | Product Information: |
| Pocahontas Aluminum Company, Inc. 2001 Industrial Drive, PO Box 756 Pocahontas, AR 72455 USA | Model: 100 HS Aluminum Horizontal Slider XO Operator Type: HS Config: No Max Width: 46 Max Height: 27 |

| | |
|---------------------------------------|----------------------------------|
| Referenced Standard: | Product Rating: |
| AAMA 1701.2-12 / FMHC&S Std. 3280.403 | Wind Zone III @ 48 psf, 46x27 XO |

| | |
|-------------------------------------|---------------------|
| Qualifying Test Information: | |
| Test Report No: | ATI-F3054.01-801-44 |
| Test Report Expiration: | 11/30/2022 |

Authorized Signature:

Keystone Certifications, Inc.
145 Limekiln Rd. Suite 100B
New Cumberland, Pennsylvania 17070
Phone: 717-932-8500
Fax: 717-932-8501



TEST REPORT

Report No.: F3054.01-801-44

Rendered to:

POCAHONTAS ALUMINUM COMPANY, INC.
Pocahontas, Arkansas

PRODUCT TYPE: Horizontal Slider
SERIES/MODEL: 100

SPECIFICATION:

AAMA 1701.2-02, Voluntary Standard for Utilization in Manufactured Housing for Primary Windows and Sliding Glass Doors.

Test Date: 11/14/15
Report Date: 11/30/15
Record Retention End Date: 11/14/19



1.0 Report Issued To: Pocahontas Aluminum Company, Inc.
2001 Industrial Drive P.O Box 756
Pocahontas, Arkansas 72455

2.0 Test Laboratory: Intertek-ATI
1909 10th Street Suite 100
Plano, Texas
(469) 814-0687

3.0 Project Summary:

3.1 Product Type: Aluminum Horizontal Slider

3.2 Series/Model: 100

3.3 Compliance Statement: Results obtained are tested values and were secured by using the designated test method(s). The sample tested successfully met the performance requirements listed in the referenced specification(s).

3.4 Test Date: 11/14/2015

3.5 Test Record Retention End Date: All test records for this report will be retained until November 14, 2019.

3.6 Test Location: Intertek-ATI testing facility in Plano, Texas.

3.7 Test Sample Source: The test specimen was provided by the client.

3.8 List of Official Observers:

| <u>Name</u> | <u>Company</u> |
|---------------|-----------------------------|
| Clint Barnett | Architectural Testing, Inc. |
| Ken Akins | Pocahontas Aluminum Company |

4.0 Test Specification(s):

AAMA 1701.2-02, *Voluntary Standard for Utilization in Manufactured Housing for Primary Windows and Sliding Glass Doors.*

5.0 Test Specimen Description:

5.1 Product Sizes:

Test Specimen #1

| Overall Area: 2.1 m ² (23 ft ²) | Width | | Height | |
|---|-------------|--------|-------------|--------|
| | millimeters | inches | millimeters | inches |
| Overall size | 1575 | 62 | 1346 | 53 |
| Sash | 794 | 31-1/4 | 1327 | 52-1/4 |
| Screen | 787 | 31 | 1321 | 52 |

Test Specimen #2

| Overall Area: 0.84 m ² (9 ft ²) | Width | | Height | |
|---|-------------|--------|-------------|--------|
| | millimeters | inches | millimeters | inches |
| Overall size | 1168 | 46 | 686 | 27 |
| Sash | 591 | 23-1/4 | 629 | 24-3/4 |
| Screen | 578 | 22-3/4 | 660 | 26 |

5.0 Test Specimen Description: (Continued)

5.2 Frame Construction:

| Frame Member | Material | Description |
|--------------|----------------------|-------------|
| All members | Mill finish aluminum | Extruded |

| | Joinery Type | Detail |
|-----------------|------------------|---|
| Frame corners | Coped and butted | Coped, butted, sealed, and fastened using one #6 x 1" Phillips pan head screw |
| Fixed interlock | Coped and butted | Fastened to each jamb using one #6 x 1/2" pan head screw |

5.3 Sash Construction:

| Sash Member | Material | Description |
|-------------|----------------------|-------------|
| All members | Mill finish aluminum | Extruded |

| | Joinery Type | Detail |
|-------------|------------------|---|
| All corners | Coped and butted | Coped, butted, sealed, and fastened using one #6 x 1" Phillips pan head screw |

5.0 Test Specimen Description: (Continued)

5.4 Weatherstripping:

| Description | Quantity | Location |
|-------------------------------|----------|------------------------------------|
| 0.187" x 0.270" pile with fin | 2 rows | Exterior face of stiles |
| 0.100" x 0.152" vinyl fin | 1 row | Sash top rail, inside of interlock |
| 0.100" x 0.375" vinyl bulb | 1 row | Sash stile |

5.5 Glazing: *No conclusions of any kind regarding the adequacy or inadequacy of the glass in any glazed test specimen(s) can be made.*

| Glass Type | Glazing | Glazing Method |
|------------|---------------|---------------------|
| Monolithic | 3/32 Annealed | Interior Wet Glazed |

| Location | Quantity | Daylight Opening | | Glass Bite |
|------------------------|----------|------------------|-----------------|------------|
| | | millimeters | inches | |
| Sash Specimen # 1 | 1 | 749 x 1295 | 29-1/2 x 51 | 0.50 |
| Fixed lite Specimen# 1 | 1 | 749 x 1295 | 29-1/2 x 51 | 0.50 |
| Sash Specimen # 2 | 1 | 546 x 629 | 21-1/2 x 24-3/4 | 0.50 |
| Fixed lite Specimen# 2 | 1 | 546 x 629 | 21-1/2 x 24-3/4 | 0.50 |

5.6 Drainage:

| Drainage Method | Size | Quantity | Location |
|-----------------|----------------|----------|---|
| Weep notch | 3/16" x 1-5/8" | 2 | Exterior sill leg, 7/8" on center spacing from outside edge of jambs. |

5.7 Hardware:

| Description | Quantity | Location |
|----------------|----------|-------------|
| Spring latches | 1 | Center Sash |

6.0 Installation:

The specimen was installed into a Spruce-Pine-Fir wood buck. The rough opening allowed for a 1/4" shim space.

| Location | Anchor Description | Anchor Location |
|-----------------|---------------------------|---|
| Nailing flange | #6 x 1-5/8" screw | 4" from each corner and 8" on center thereafter |

7.0 Test Results: The temperature during testing was 27°C (70°F). The results are tabulated as follows:

Test Specimen #1 62 x 53

| Title of Test | Results | Allowed | Note |
|---|---|---|------|
| Structural Performance, per ASTM E 330 +1190 Pa (+25.0 psf) -595 Pa (-12.5 psf) | Pass | No damage | 2, 3 |
| Air Leakage, per ASTM E 283 at 75 Pa (1.57 psf) | 2.5 L/s/m ² (0.50 cfm/ft ²) | 2.5 L/s/m ² (0.5 cfm/ft ²) max. | |
| Water Penetration, per ASTM E 547 at 140 Pa (2.92 psf) | Pass | No leakage | 1 |

Test Specimen #2 46 x 27

| Title of Test | Results | Allowed | Note |
|---|---------|-----------|------|
| Optional Performance (24 CFR 3280.305(c)) | | | |
| Uniform Load Structural, per ASTM E 330 +2298 Pa (+48.00 psf) -2298 Pa (-48.00 psf) | Pass | No damage | 2, 3 |

Note 1: With and without insect screen.

Note 2: Loads were held for 10 seconds.

Note 3: Tape and film were used to seal against air leakage during structural testing. In our opinion, the tape and film did not influence the results of the test.

Architectural Testing will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Architectural Testing, Inc. for the entire test record retention period.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

For ARCHITECTURAL TESTING, Inc.

Clint Barnett
Technician


Andy Cost
Laboratory Manager

CB:ac

Attachments (pages): This report is complete only when all attachments listed are included.
Appendix-A: Drawing(s) (9) Complete drawings packet on file with Architectural Testing, Inc.

APPENDIX A

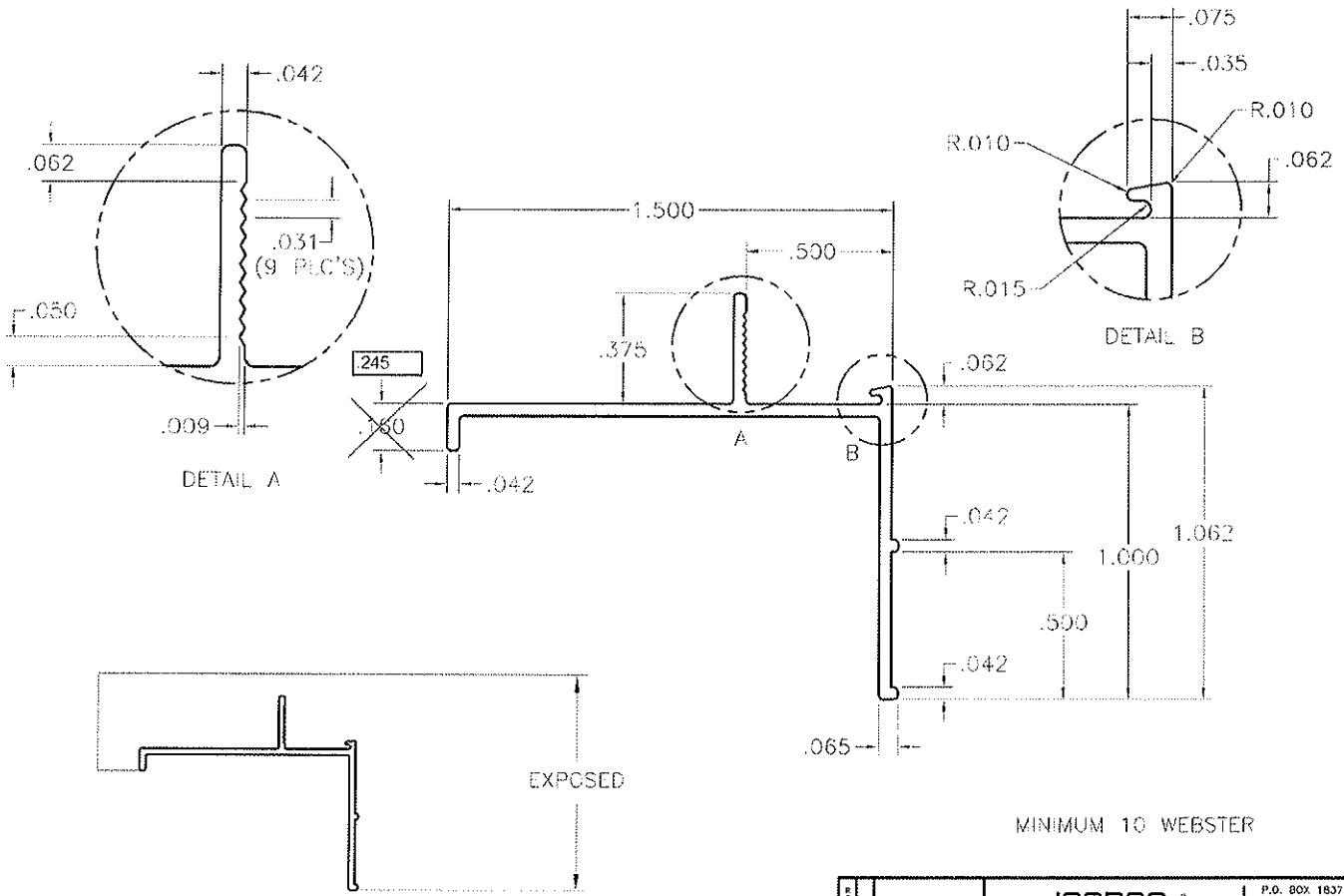
Drawings



 F3054.01
 W/2015 CM

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 .042 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS 0.016 R

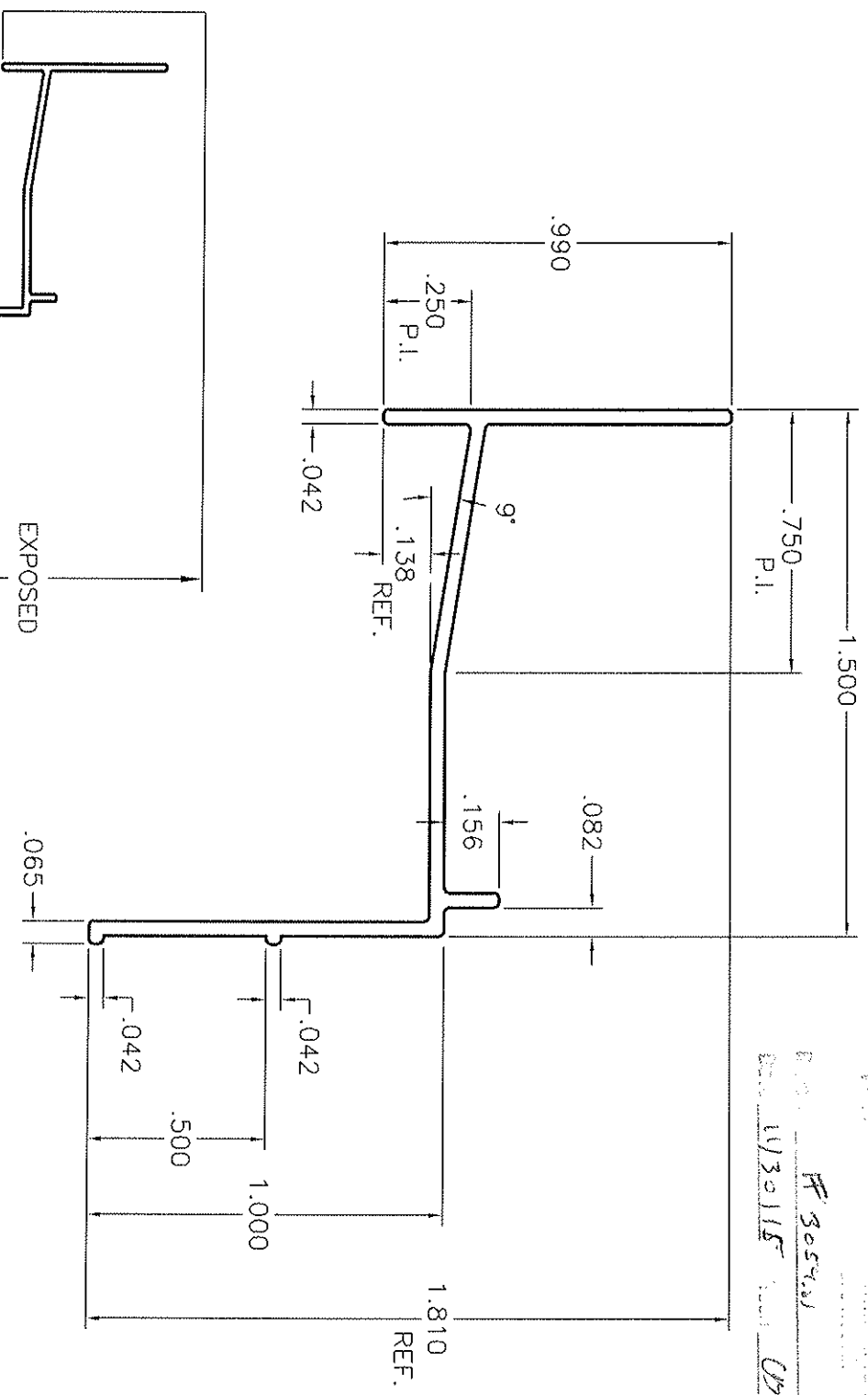
SHEET NO. S-2735



ACTUAL SIZE

| | | | |
|--|-------------------------------------|--|--------------------|
| JORDAN | | P.O. BOX 18377 MEMPHIS, TN, 38118 PHONE (901) 363-2121 | |
| | | POCAHONTAS ALUMINUM | |
| <input checked="" type="checkbox"/> SKID | <input type="checkbox"/> BOM HOLLOW | <input type="checkbox"/> HOLLOW FLANGE | PART NO. |
| INCH .127 | SER. NO. | 6063-T5 | HEADUP FLUSH MOUNT |
| WT/LF .152 | LVL. CO. 1.3 | SCALE | BY CAS DATE 5-1-02 |
| PART 6.191 | PL. | DATE | NO. 02050-01 |
| OTHER | IN. | DATE | BY |
| DIM. | 2002 | MIN. | S-2735 |

ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
 .042 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS 0.016 R



DATE 1/30/15 BY *OB*

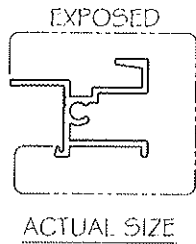
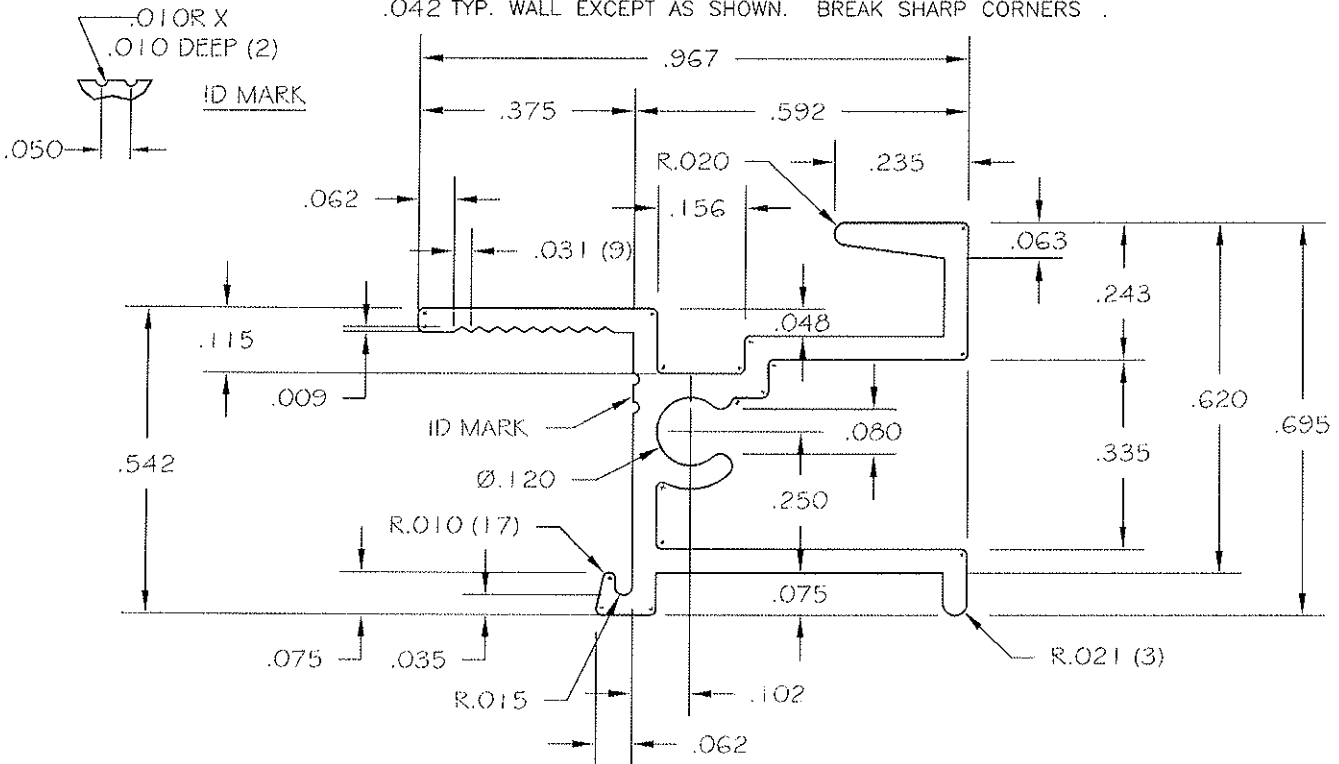
ACTUAL SIZE

MINIMUM 10 WEBSTER

| | | | | | |
|--|------------------------|---|---|---|----------------------------|
| <input checked="" type="checkbox"/> 3003 ALUMINUM <input type="checkbox"/> 6063 ALUMINUM <input type="checkbox"/> 6063-T6 ALUMINUM | | <input type="checkbox"/> 3003 ALUMINUM <input type="checkbox"/> 6063 ALUMINUM <input type="checkbox"/> 6063-T6 ALUMINUM | | JOORDAN P.O. BOX 18377 MEMPHIS, TN, 38118 PHONE (901) 363-2121 | |
| MFG .151 W/T .181 DIA 7.200 | LENS 6063-T6 2.4 | PART NO. SILL FLUSH MOUNT 02050102 | STOCK NO. SILL FLUSH MOUNT 02050102 | S-1-02 S-1-02 S-1-02 | S-2734 S-2734 S-2734 |

ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
 .042 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS

DIE NO. 5-3606 REV.

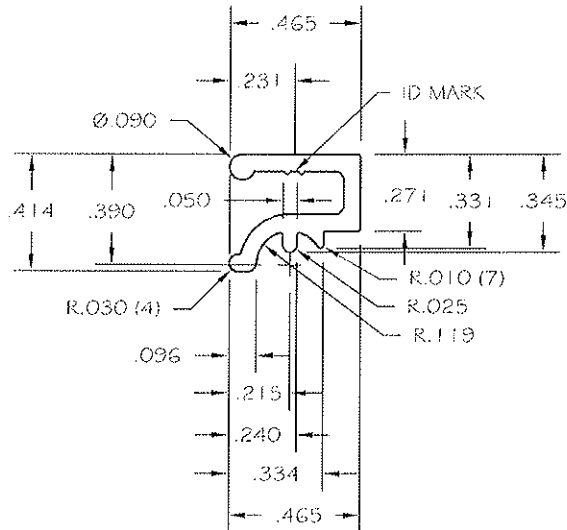
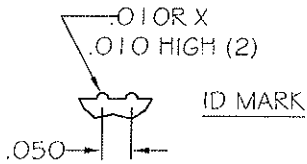


| | | | | | | |
|-----------|---------------|--|--|--|--|--|
| REVISIONS | JORDAN | | | P.O. BOX 752268 MEMPHIS, TN, 38175-2268 PHONE (800) 833-4590 PHONE (901) 866-2665 FAX (901) 363-8226 | | |
| | | | | CUSTOMER POCAHONTAS ALUMINUM | | |
| | | | | PART NO. | | |
| | | | | END USE FIXED MEETING BAR | | |
| | | | | SCALE 4:1 | | |
| | | | DWN BY DLB | | | |
| | | | DATE 6/18/2010 | | | |
| | | | PCKG. NO. 10061601 POCAHONTAS - FMR | | | |
| | | | DE NO. 5-3606 | | | |

Handwritten notes:
 APPROVAL
 F3059.01
 11/30/15

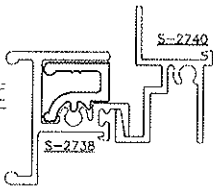
ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
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DIE NO. S-3254 REV.



THIS PART MUST SLIDE FIT WITH S-2738 IN 3 FT LENGTHS

ACTUAL SIZE

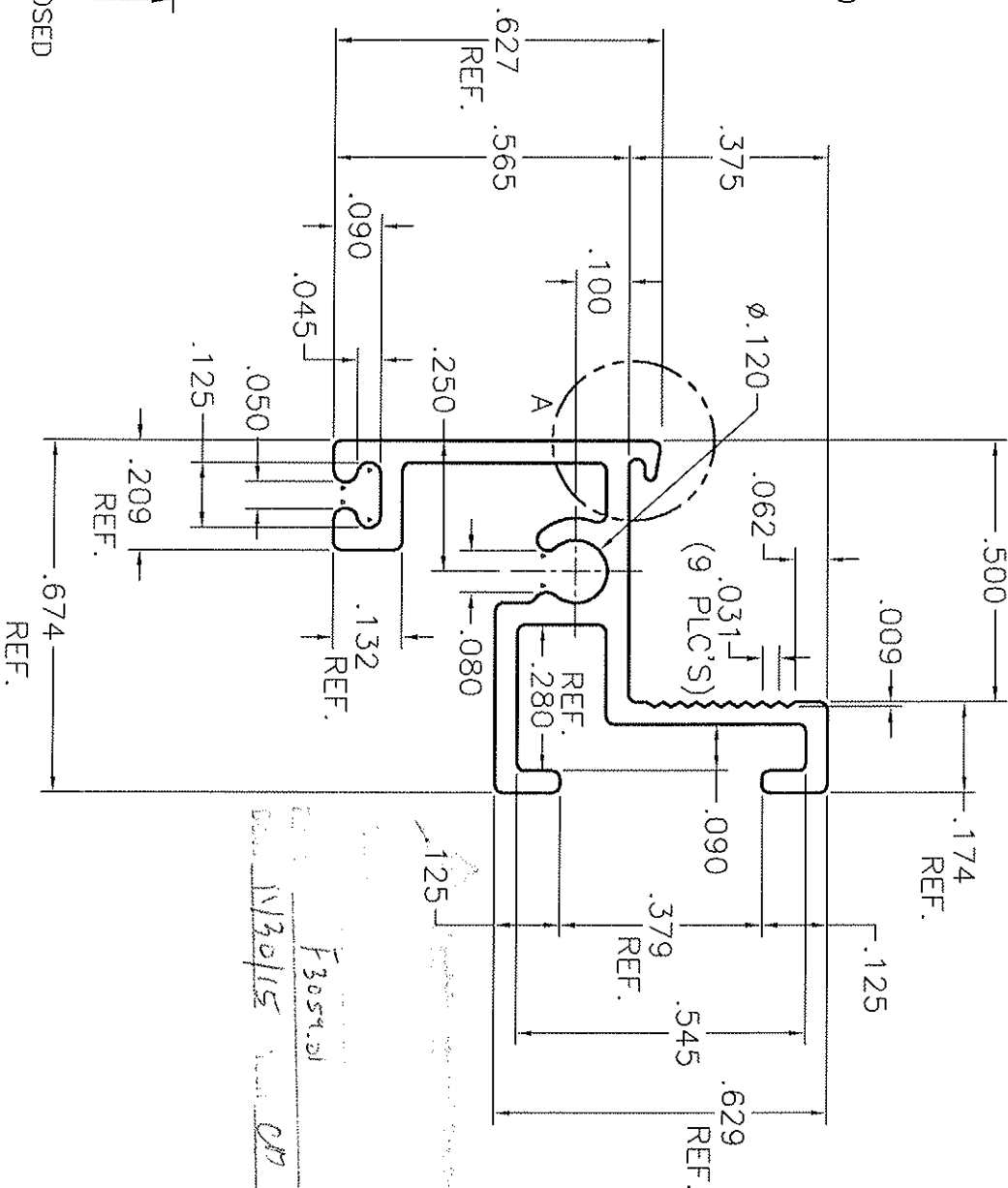
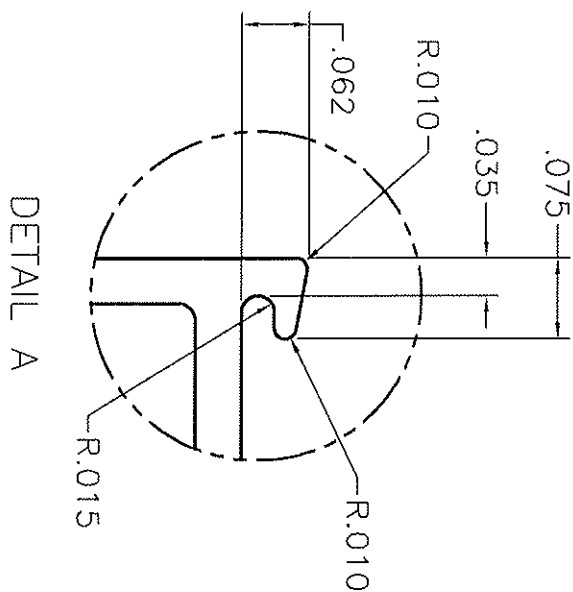


| | | | | | | |
|---|--|-------------|--------------|--|--|--|
| R E V I S I O N S | JORDAN | | | | P.O. BOX 18377 MEMPHIS, TN, 38118 PHONE (901) 363-2121 | |
| | <input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI HOLLOW <input type="checkbox"/> HOLLOW CLASS | | | CUSTOMER POCAHONTAS | | |
| | AREA .077 | SQ. IN. | ALLOY 6063T6 | PART NO. | | |
| | WT/FT .092 | LBS. | C.C.D. 0.6 | DIE USE SASH TOP RAIL REINFORCEMENT | | |
| FORM 2.573 | IN. | CAVITY SIZE | SCALE 2:1 | DRN BY DLB | DATE 1/2-4/2008 | |
| OUTSIDE FORM | IN. | CAVITY AREA | SQ. IN. | DWG. NO. 08012401 POCAHONTAS | DIE NO. S-3254 | |

Architectural drawing
F3054.01
11/20/15

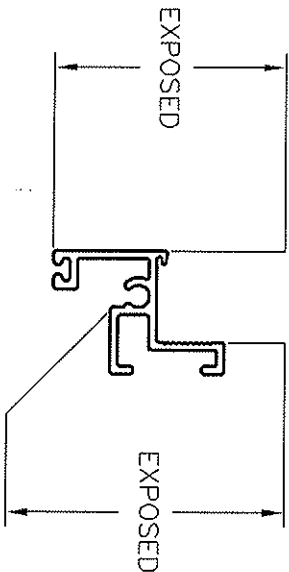
ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
 .042 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS 0.016 R

NO. S-2736



MINIMUM 10 WEBSTER

ACTUAL SIZE

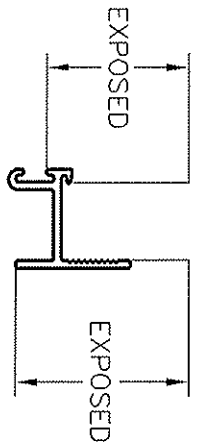
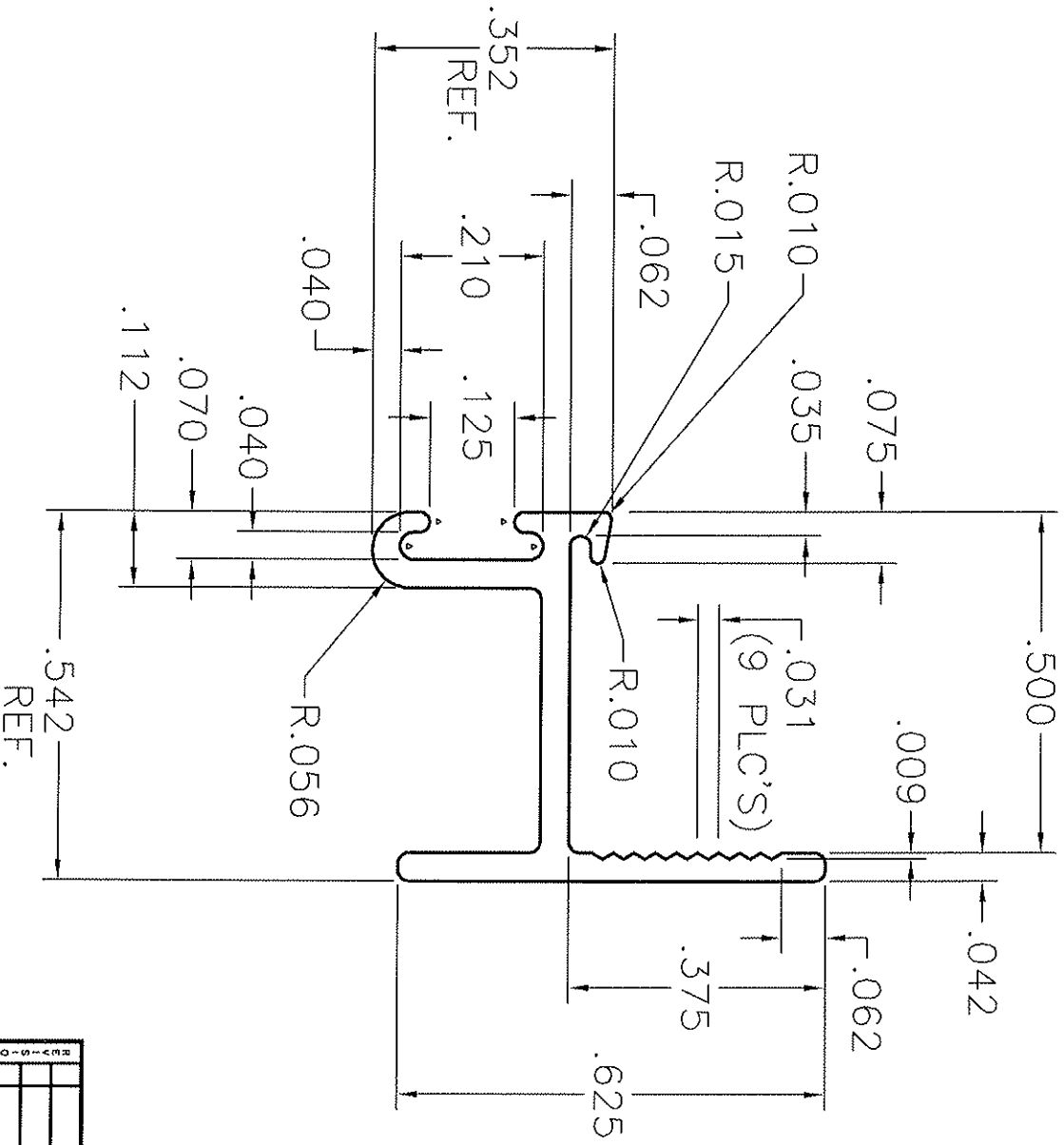


(Δ) FULL R.
 (6 PLC'S)

Handwritten notes:
 F3054.01
 600 1130/115

| | | | | | |
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| <input checked="" type="checkbox"/> 20-9-C-3 <input type="checkbox"/> 20-9-C-4 <input type="checkbox"/> 20-9-C-5 | | JORDAN | | P.O. BOX 18377 MEMPHIS, TN 38118 PHONE (901) 363-2121 | |
| <input checked="" type="checkbox"/> 6063-16 <input type="checkbox"/> 6063-17 <input type="checkbox"/> 6063-18 | | COMPANY: POCAHONTAS ALUMINUM | | PART NO.: 02050104 | |
| W/T: 1.43 T: 5.505 | W/T: 1.1 T: 1.1 | BOTTOM RAIL SLIDING | | S-1-02 | S-2736 |

ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
 .042 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS 0.016 R



ACTUAL SIZE

(Δ) FULL R.
 (4 PLC'S)

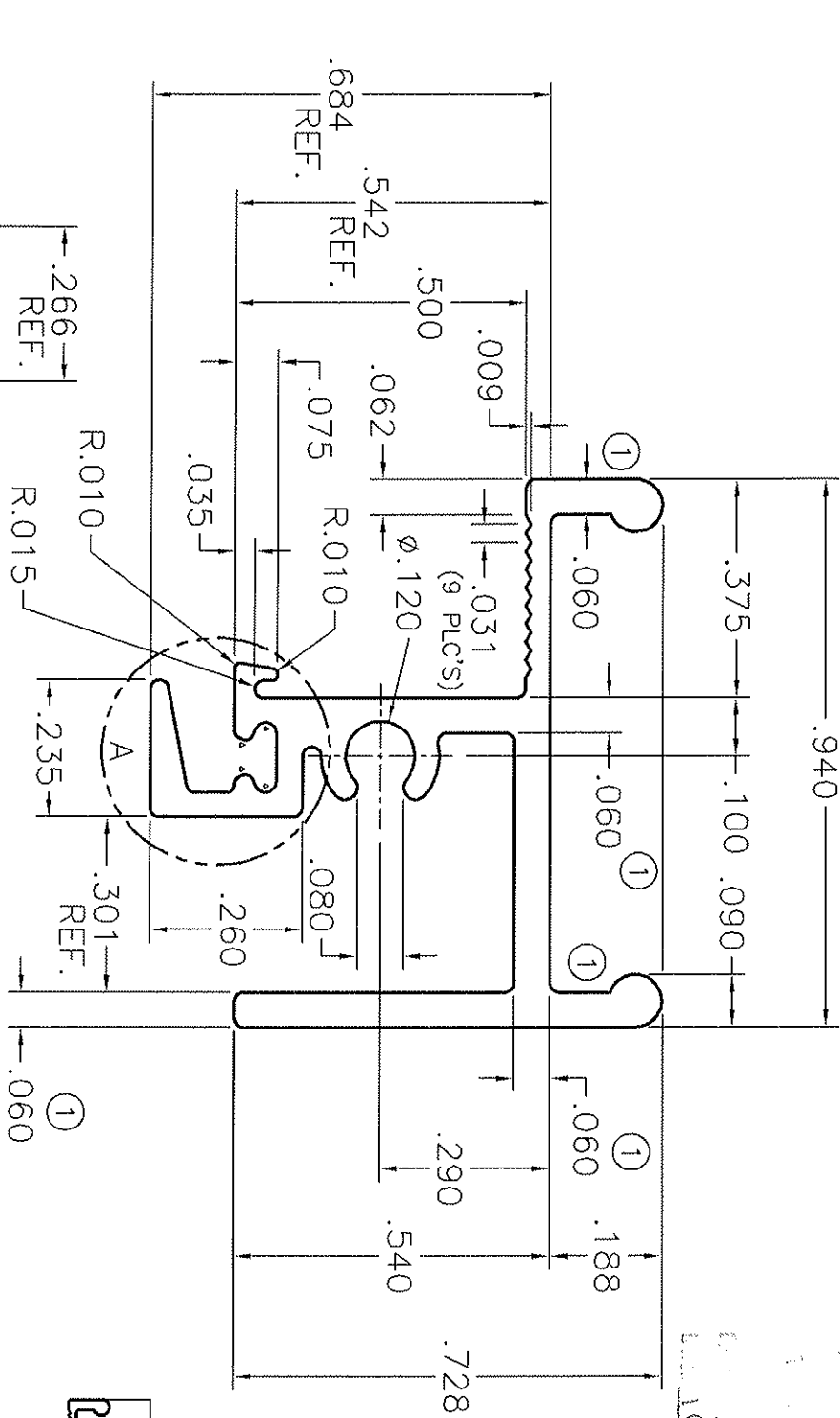
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 14321/C

MINIMUM 10 WEBSTER

| | | | |
|---|---|--|--|
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| P.O. BOX 18377 MEMPHIS, TN, 38118 PHONE (901) 365-2121 | JORDAN | POCAHONTAS ALUMINUM | P.O. BOX 18377 MEMPHIS, TN, 38118 PHONE (901) 365-2121 |
| PART NO. 6063-16 SCALE 0.9 QTY 3,193 DATE 5-1-02 | PART NO. 02050105 SCALE DATE 5-1-02 | PART NO. 02050105 SCALE DATE 5-1-02 | PART NO. 02050105 SCALE DATE 5-1-02 |

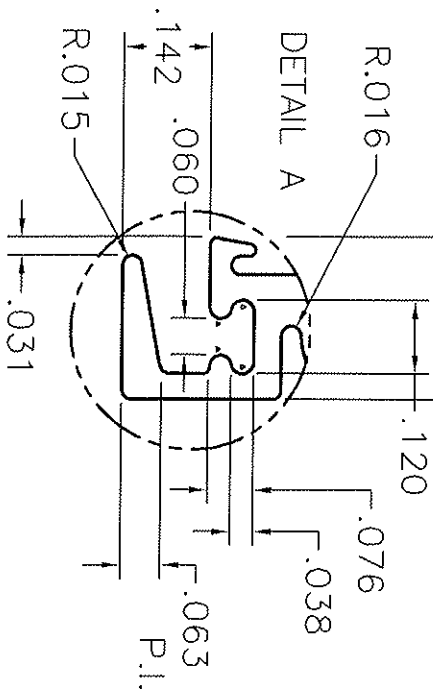
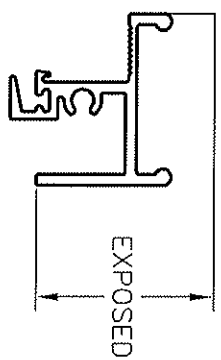
ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
 .042 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS 0.016 R

111
 S-2738



(Δ) FULL R.
 (4 PLC'S)

MINIMUM 10 WEBSTER



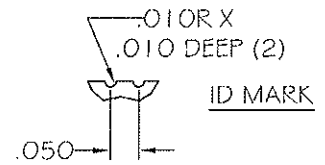
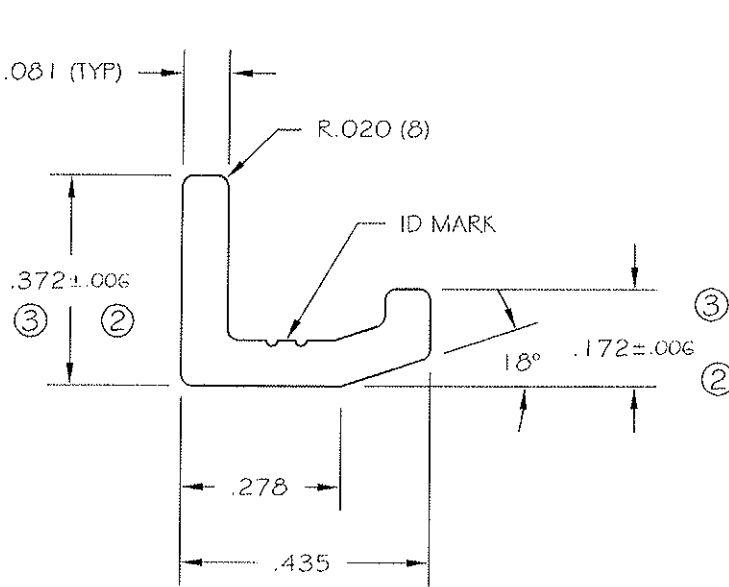
F3054.01
11/30/15
04

| | | |
|---|-------|------------------------|
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| DES | | 1/21/05.01B |
| JORDAN | | |
| SCALE | 1:69 | SCALE 8063-16 |
| DATE | 203 | DATE 1.1 |
| QUANTITY | 6,298 | QUANTITY |
| JORDAN | | |
| POCAHONTAS ALUMINUM | | |
| P.O. BOX 18377 MEMPHIS, TN 38118 PHONE (901) 363-2121 | | |
| TOP RAIL SLIDING | | |
| CNS 02050106 | | |
| S-2738 | | |

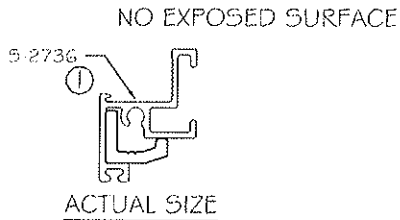
This drawing represents Jordan's interpretation of the customer's design. By your signature on this print you agree to accept the design, dimensions, tolerances, and ID mark locations as shown and Jordan assumes no liability for the functionality of either this shape and/or the end design.

DIE NO. 5-3667 REV 3

ALUMINUM ASSOCIATION STD TOLERANCES APPLY UNLESS NOTED
 .081 TYP. WALL EXCEPT AS SHOWN. BREAK SHARP CORNERS .010R



① THIS PART MUST SLIDE FIT WITH 3-2736 IN 36 INCH LENGTHS. PARTS MUST BE FREE OF TWIST TO MAINTAIN PROPER SLIDE FIT.



| | | | | | | | | | |
|-----------|---|---|---|--------------------------------------|--|--------------------------------|----------------|--------------|----------------|
| REVISIONS | 1 | ADD NOTES 9/23/2011...DLB | JORDAN | | P.O. BOX 752268 MEMPHIS, TN, 38175-2268 PHONE (800) 833-4590 PHONE (901) 866-2665 FAX (901) 363-8226 | | | | |
| | 2 | ADD TOLERANCES 9/7/2013...DLB | | | | | | | |
| | 3 | REVISED PER DRAWING 3-2736-001-001 TOLERANCES ARE 2-750-4 | | | | | | | |
| | | | <input checked="" type="checkbox"/> SOLID | <input type="checkbox"/> SEMI HOLLOW | <input type="checkbox"/> HOLLOW CLASS | CUSTOMER POCAHONTAS ALUMINUM | | | |
| | | | AREA .064 | SO. IN. | ALLOY 6063T5 | PART NO. 3415 | | | |
| | | | WT/FT .077 | LBS. | C.C.D. 0.6 | END USE SASH BOTTOM RAIL REINF | SCALE 4:1 | DRAWN BY DLB | DATE 10/6/2010 |
| | | | PERIM 1.724 | IN. | CAVITY SIZE | DWG. NO. | | | |
| | | | OUTSIDE PERIM | IN. | CAVITY AREA | SO.IN. | DIE NO. 5-3667 | | |

Handwritten notes and signatures:
 F305461
 11/30/15
 [Signature]