



BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 372-6339

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buldingcode](http://www.miamidade.gov/buldingcode)

**Reliable Products**  
1300 Enterprise Road  
Geneva, AL 36340

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade county Product Control Division 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 4375DC Aluminum Louver.**

**APPROVAL DOCUMENT:** Drawing No. **60-022136-01D, 02D, 03D, 04B, 05B**, titled "4375DC Louver", sheets 1 through 5 of 5, dated 11/11/08, prepared by Reliable Products, signed and sealed by Daniel J. Rau, P.E., bearing the Miami-Dade County Product Control Approval stamp with the NOA number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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 consists of this page 1, evidence page E-1 as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Signature*  
12/18/08

NOA No: 08-1202.04  
Expiration Date: January 3, 2013  
Approval Date: January 8, 2009  
Page 1

Reliable Products

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **60-022136-01D, 02D, 03D, 04B, 05B**, titled "4375DC Louver", sheets 1 through 5 of 5, dated 11/11/08, prepared by Reliable Products, signed and sealed by Daniel J. Rau, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202  
2) Large Missile Impact Test per FBC, TAS 201  
3) Cyclic Wind Pressure Loading per FBC, TAS 203  
along with marked-up drawings and installation diagram of ELF375DXD Test Louver, prepared by National Certified Testing Laboratories, Test Report No. **210-3377-1**, dated 03/19/07, signed and sealed by Gerard J. Ferrara, P.E.  
*"Submitted under NOA # 07-0621.07"*

**C. CALCULATIONS**

1. Louver and anchor calculations prepared by Ruskin Engineering, dated 05/14/07 and 11/20/07, signed and sealed by Daniel J. Rau, P.E.  
*"Submitted under NOA # 07-0621.07"*

**D. QUALITY ASSURANCE**

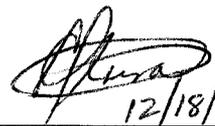
1. Miami Dade Building Code Compliance Office (BCCO)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Code compliance letter issued by Ruskin Company, dated 05/25/07, signed and sealed by Daniel J. Rau, P.E.
2. No financial interest letter issued by Ruskin Company, dated 05/25/07, signed and sealed by Daniel J. Rau, P.E.
3. Code compliance letter issued by National Certified Testing Laboratories, dated 04/04/07, signed and sealed by Gerard J. Ferrara, P.E.  
*"Submitted under NOA # 07-0621.07"*



12/18/08

Carlos M. Utrera, P.E.

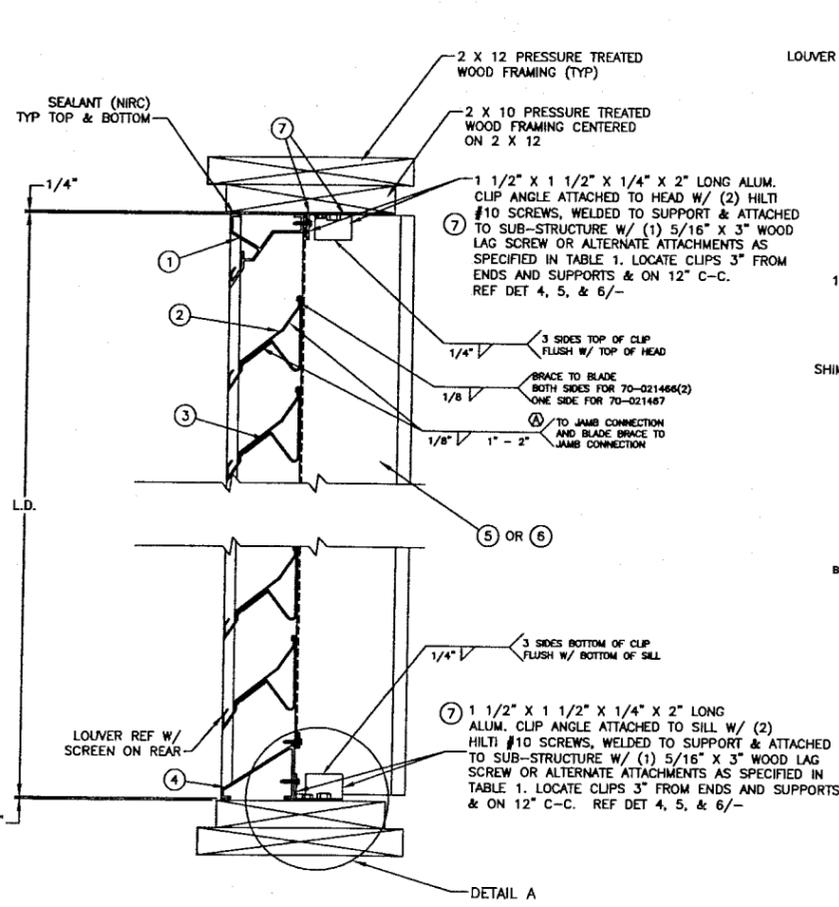
Product Control Examiner

NOA No 08-1202.04

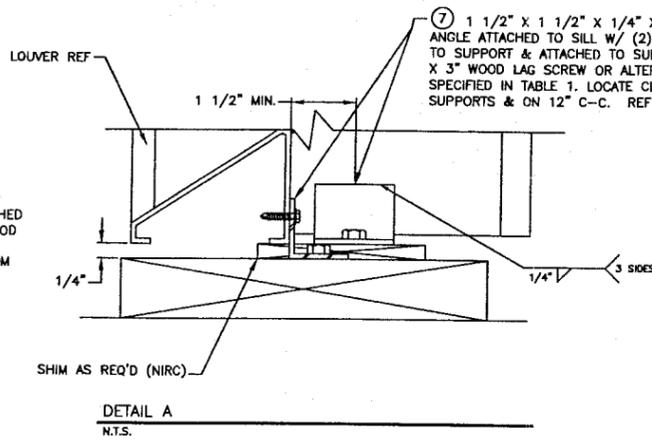
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Approval: Date: January 8, 2009

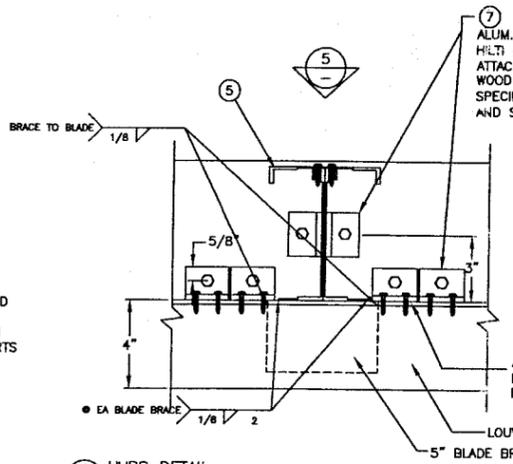




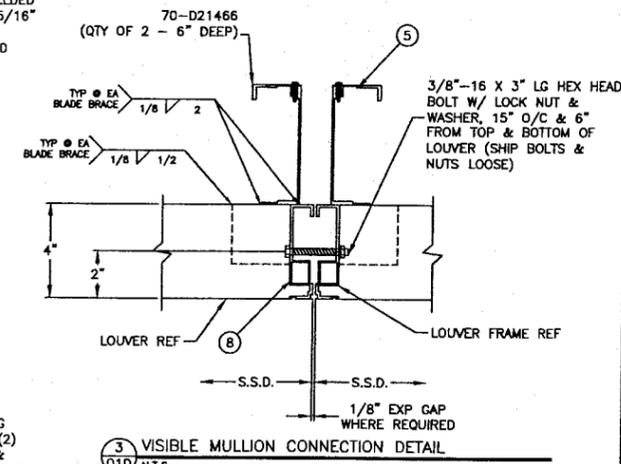
1 LOUVER DETAIL @ HEAD & SILL  
01D N.T.S.



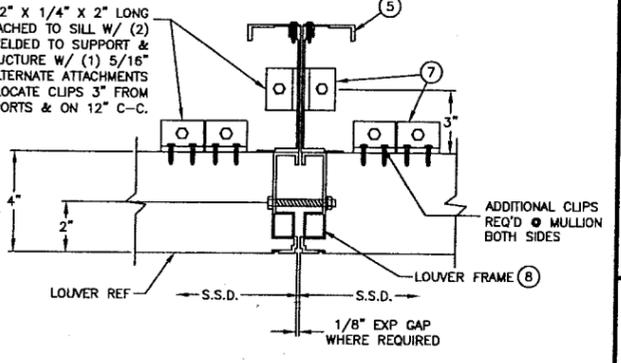
4 HVBS DETAIL  
01D N.T.S.



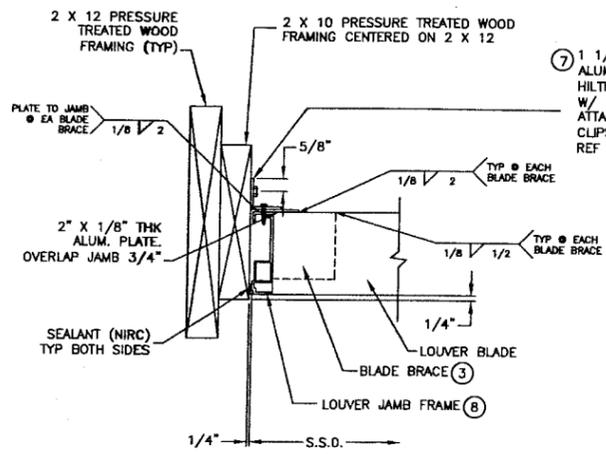
5 HVBS HEAD DETAIL @ WOOD FRAME (SILL SIM)  
N.T.S.



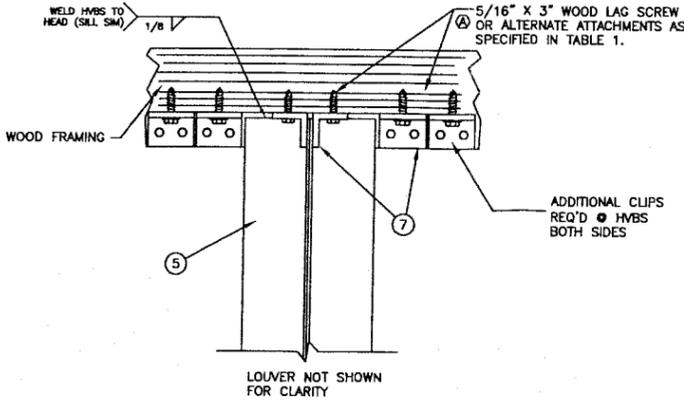
3 VISIBLE MULLION CONNECTION DETAIL  
01D N.T.S.



6 LOUVER ATTACHMENT @ VISIBLE MULLION DETAIL  
01D N.T.S.



2 LOUVER @ JAMB DETAIL  
01D N.T.S.



LOUVER NOT SHOWN FOR CLARITY

*Daniel J. Rau*  
11/11/08

FOR OFFICE USE ONLY  
Approved as complying with the  
Florida Building Code  
Date 01/08/2009  
NOA# 08-1202-04  
Miami Dade Product Control  
Division  
By *[Signature]*

ENGINEER OF RECORD:  
DANIEL J. RAU  
ENGINEERING DISCIPLINE:  
CIVIL ENGINEER  
STATE OF FLORIDA #63636

REV.	DESCRIPTION	DATE	REV'D BY	CHK'D BY	APP'D BY

NOTE:  
1) ALL DIMENSIONS ARE GIVEN IN INCHES.  
2) ALL EXPOSED SURFACES MUST BE FREE OF DIE LINES.  
3) ALUMINUM ASSOCIATION TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED.  
4) \*\* EXTRUDER SPECIFIC ID MARK: .008R x .008DP

TOLERANCES UNLESS SPECIFIED OTHERWISE  
3 PLACE .XXX ±.010  
2 PLACE .XX ±.020  
ANGLE DIMENSIONS ± 2'  
USE WQ-007 & 008

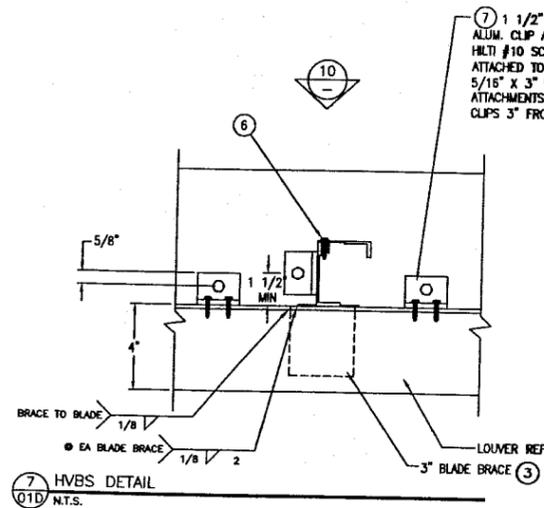
THIS INFORMATION DISCLOSED HEREIN WAS ORIGINATED BY AND IS THE PROPERTY OF RELIABLE PRODUCTS, AND EXCEPT FOR USES EXPRESSLY GRANTED TO THE UNITED STATES GOVERNMENT, RELIABLE PRODUCTS RESERVES ALL PATENT, PROPRIETARY, DESIGN, USE, SALE, MANUFACTURING AND REPRODUCTION RIGHTS THERETO. THIS DOES NOT APPLY TO ANY VENDOR PARTS.

CTR	CENTER LINE	OC	ON CENTER
CL	CENTER LINE	OD	OUTSIDE DIAMETER
C-C	CENTER TO CENTER	OR	OUTSIDE RADIUS
CHAM	CHAMFER	PI	POINT OF INTERSECTION
DAT	DATUM	R	FULL RADIUS
DET	DETAIL	REF	REFERENCE
E-E	END TO END	SYM	SYMMETRICAL
EXP	EXPOSED	TAN	TANGENT
ID	INSIDE DIAMETER	TYP	TYPICAL
IR	INSIDE RADIUS		

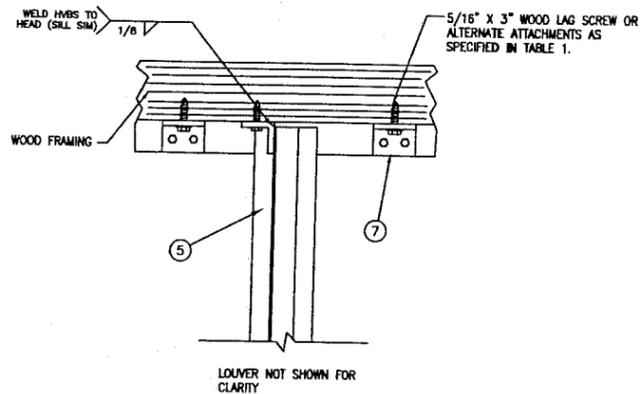
**RELIABLE**  
PRODUCTS  
P.O. BOX 580, 1300 ENTERPRISE RD  
GENEVA, ALABAMA 36340-0580  
PH: (334) 684-3621 FAX: (334) 684-3680

AREA	EST. PER.	EST. WT/FT.
ALLOY & TEMPER	UNSPEC. RADII	UNSPEC. WALL
DWN: VMA	CHK: DJR	APPV: DJR
DATE: 11/3/08	DATE: 11/10/08	DATE: 11/10/08
PART DESC.		
4375DC LOUVER INSTALLATION AND ASSEMBLY DETAILS		
SCALE: NTS		ECN: -
DWG No.		REV.
60-022136-02D		

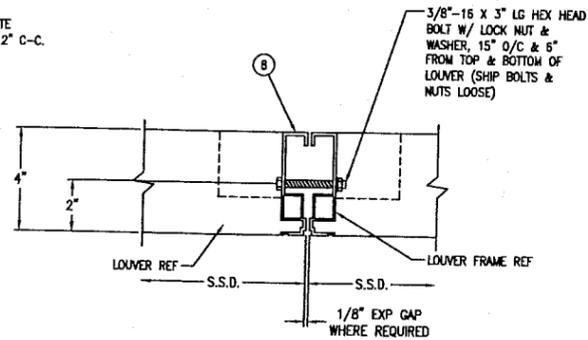
SHEET  
02 OF 5



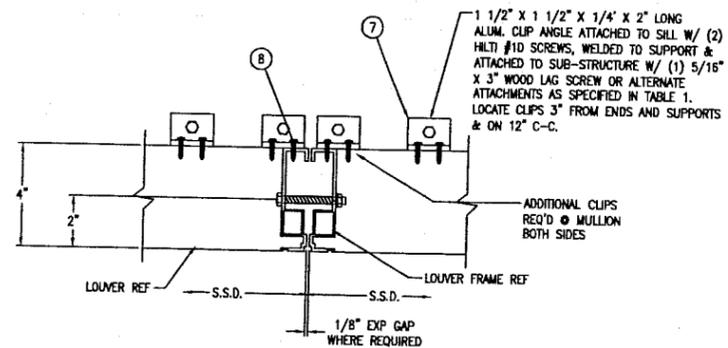
7 HVBS DETAIL  
01D N.T.S.



1D HVBS HEAD DETAIL WOOD FRAME (SILL SIM)  
01D N.T.S.



8 VISIBLE MULLION CONNECTION DETAIL  
01D N.T.S.



9 LOUVER ATTACHMENT VISIBLE MULLION DETAIL  
01D N.T.S.

TABLE #1: ALTERNATE APPROVED ATTACHMENTS

BASE MATERIAL	DESCRIPTION	INSTRUCTIONS
CONCRETE 3000 MIN PSI	5/16 DIA TAPCON (ITW OR EQUAL)	1 3/4" EMBED., 2 IN MIN EDGE
CONCRETE 2000 MIN PSI	5/16 DIA EXPANSION ANCHOR (HILTI OR EQUAL)	2 1/2" EMBED., 5 IN MIN EDGE
GROUT FILLED BLOCK	5/16 DIA TAPCON (ITW OR EQUAL)	1 3/4" EMBED., 4 IN MIN EDGE
STEEL FRAMING (12 GA MIN)	5/16 DIA A307 BOLT OR SELF-TAPPING SCREW	1 1/2 x FASTENER DIA. MIN EDGE

NOTE: ALL FASTENERS MUST BE INSTALLED PER THE MANUFACTURER'S FLORIDA/DADE COUNTY APPROVED INSTALLATION INSTRUCTIONS

TABLE #2: DRAWING CROSS REFERENCE

ITEM	DRAWING	MATERIAL	DESCRIPTION	RUSKIN #
1	60-022136-04B	6063-T5 AL	HEAD FRAME	70-020574-00B
2	60-022136-04B	6063-T5 AL	BLADE	70-021524-00B
3	60-022136-04B	6063-T5 AL	BLADE BRACE	70-021526-00B
4	60-022136-04B	6063-T5 AL	SILL FRAME	70-020373-00B
5	60-022136-04B	6063-T6 AL	HVBS 1	70-021466-00B
6	60-022136-04B	6063-T6 AL	HVBS 2	70-021467-00B
7	60-022136-05B	VARIABLE	CLIP ATTACHMENT	85-020366-00B
8	60-022136-05B	6063-T5 AL	JAMB FRAME	70-020374-00B

Approved as complying with the Florida Building Code  
Date 01/08/2009  
NOA# 68-1202-04  
Miami Dade Product Control  
Division  
By *[Signature]*

*[Signature]*  
11/11/2008

ENGINEER OF RECORD:  
DANIEL J. RAU  
ENGINEERING DISCIPLINE:  
CIVIL ENGINEER  
STATE OF FLORIDA #63636

CTR CENTER LINE  
CL CENTER LINE  
C-C CENTER TO CENTER  
CHAM CHAMFER  
DAT DATUM  
DET DETAIL  
E-E END TO END  
EXP EXPOSED  
ID INSIDE DIAMETER  
IR INSIDE RADIUS  
OC ON CENTER  
OD OUTSIDE DIAMETER  
OR OUTSIDE RADIUS  
PI POINT OF INTERSECTION  
R FULL RADIUS  
REF REFERENCE  
SYM SYMMETRICAL  
TAN TANGENT  
TYP TYPICAL

**RELIABLE**  
PRODUCTS

P.O. BOX 580, 1300 ENTERPRISE RD  
GENEVA, ALABAMA 36340-0580  
PH: (334) 684-3621 FAX: (334) 684-3680

AREA	EST. PER.	EST. WT./FT.
-	-	-
ALLOY & TEMPER	UNSPEC. RADII	UNSPEC. WALL
-	-	-

DWN: VMA    CHK: DJR    APPV: DJR  
DATE: 11/3/08    DATE: 11/10/08    DATE: 11/10/08

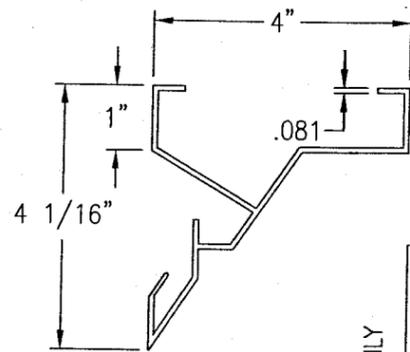
PART DESC.  
4375DC LOUVER  
INSTALLATION AND  
ASSEMBLY DETAILS  
SHEET  
03 OF 5  
SCALE: NTS    ECN: -    DATE:  
DWG No.    REV.  
60-022136-03D

DESCRIPTION: DATE: REV'D BY: CHK'D BY: APP'D BY:

NOTE:  
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4) \*\* EXTRUDER SPECIFIC ID MARK: .008R x .008DP

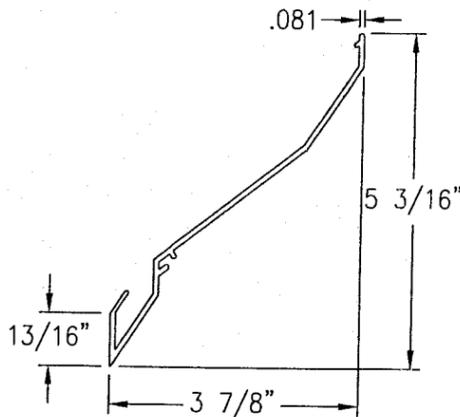
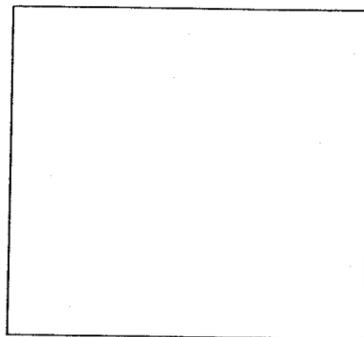
TOLERANCES UNLESS SPECIFIED OTHERWISE:  
3 PLACE .XXX ±.010  
2 PLACE .XX ±.020  
ANGLE DIMENSIONS ± 2  
USE W10-007 & 008

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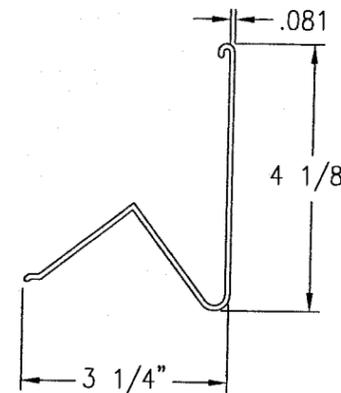


ITEM 1 - HEAD FRAME  
RUSKIN# 70-020574-00B

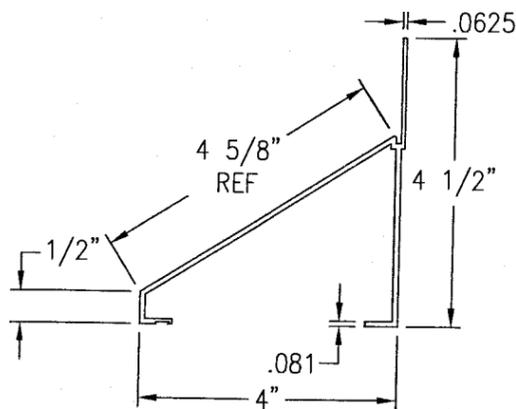
FOR OFFICE USE ONLY



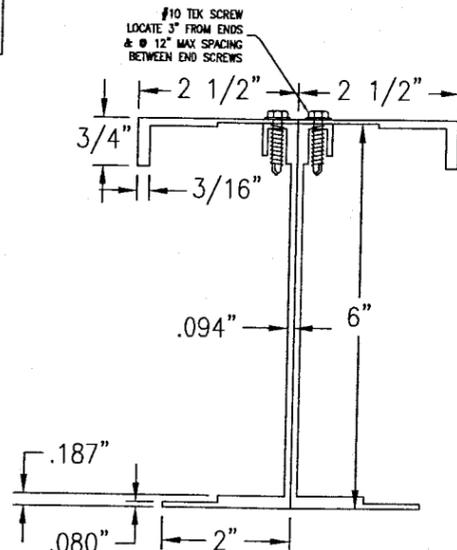
ITEM 2 - LOUVER BLADE  
RUSKIN# 70-021524-00B



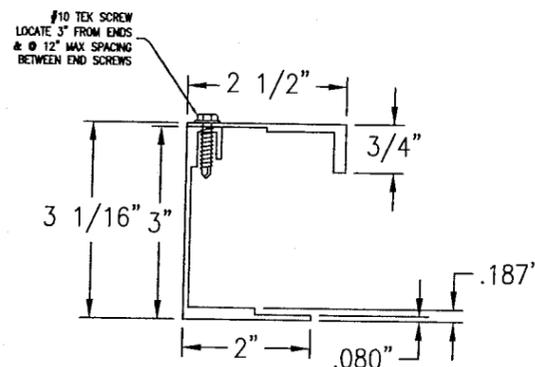
ITEM 3 - BLADE BRACE  
RUSKIN# 70-021526-00B



ITEM 4 - SILL FRAME  
RUSKIN# 70-020373-00B



ITEM 5 - HIDDEN VERTICAL BLADE SUPPORT 1  
RUSKIN# 70-021466-00B



ITEM 6 - HIDDEN VERTICAL BLADE SUPPORT 2  
RUSKIN# 70-021467-00B

FOR OFFICE USE ONLY

Approved as complying with the  
Florida Building Code  
Date 01/08/2008  
NOA# 08-1202-04  
Miami Dade Product Control  
Division  
By *[Signature]*

*[Signature]*  
11/11/2008

NOTE:  
DESIGN DIE FOR MAX. ALLOY & TEMPER SHOWN

ENGINEER OF RECORD:  
DANIEL J. RAU.  
ENGINEERING DISCIPLINE:  
CIVIL ENGINEER  
REGISTRATION #:  
STATE OF FLORIDA #63636

REV.	DESCRIPTION	DATE	REV'D BY	CHK'D BY	APP'D BY

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TOLERANCES UNLESS SPECIFIED OTHERWISE  
3 PLACE .XXX ±.010  
2 PLACE .XX ±.020  
ANGLE DIMENSIONS ± 2  
USE W10-007 & 008

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CTR	CENTER	OC	ON CENTER
CL	CENTER LINE	OD	OUTSIDE DIAMETER
C-C	CENTER TO CENTER	OR	OUTSIDE RADIUS
CHAM	CHAMFER	PI	POINT OF INTERSECTION
DAT	DATUM	R	FULL RADIUS
DET	DETAIL	REF	REFERENCE
E-E	END TO END	SYM	SYMMETRICAL
EXP	EXPOSED	TAN	TANGENT
ID	INSIDE DIAMETER	TYP	TYPICAL
IR	INSIDE RADIUS		

**RELIABLE**  
PRODUCTS

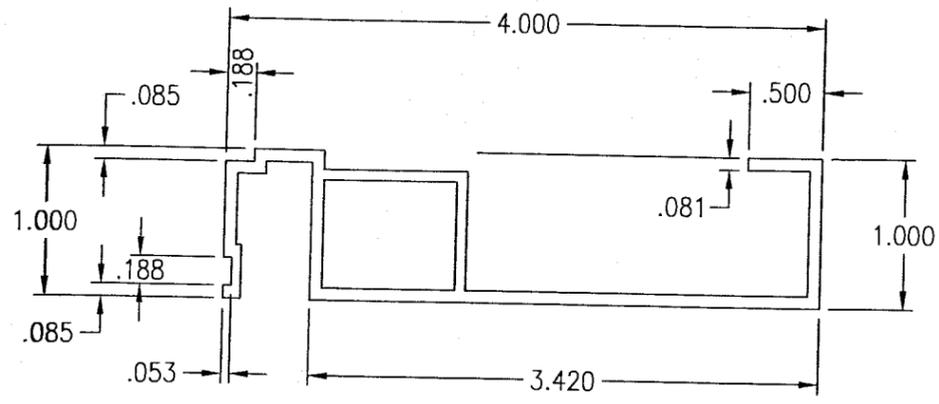
P.O. BOX 580, 1300 ENTERPRISE RD  
GENEVA, ALABAMA 36340-0580  
PH: (334) 684-3621 FAX: (334) 684-3680

AREA	EST. PER.	EST. WT/FT.
1.2B1	12.50	1.537
ALLOY & TEMPER	UNSPEC. RADII	UNSPEC. WALL
6063-T5	.010	.25"
DWN: VMA	CHK: DJR	APPV: DJR
DATE: 1/3/08	DATE: 11/11/08	DATE: 11/11/08

PART DESC.  
4375DC LOUVER  
PART DETAILS SHEET  
4 OF 5

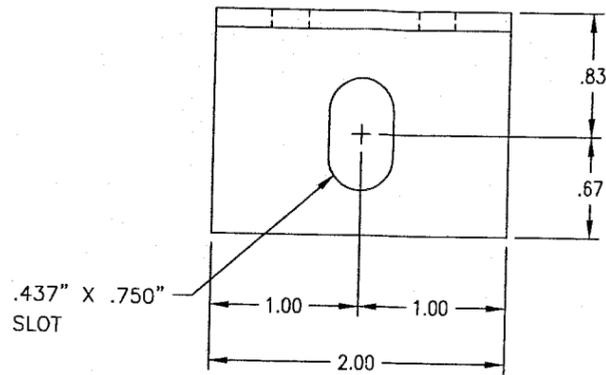
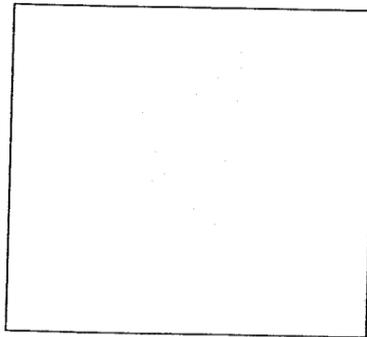
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60-022137-04B



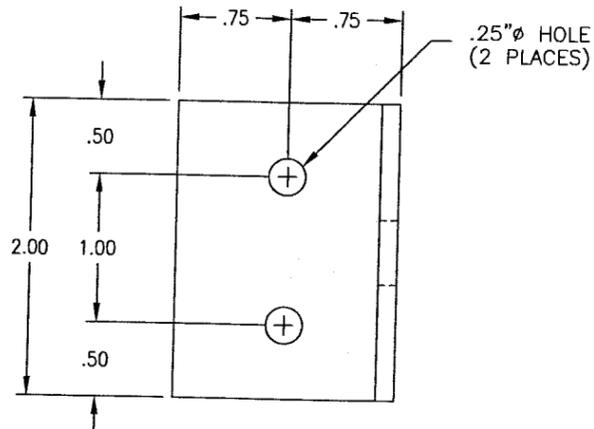
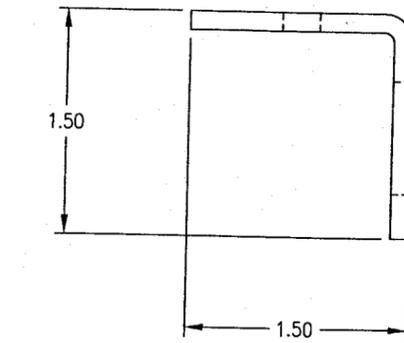
ITEM 8 - JAMB FRAME  
RUSKIN# 70-020374-00B

FOR OFFICE USE ONLY



ITEM 7 - CLIP ANGLE  
RUSKIN# 85-020366-00B

PART NO.	MATERIAL
85-020366-00B	1/8" ALUM
85-020366-01B	12 GA. GALV.
85-020366-02B	12 GA. 304 STN. STL.
85-020366-03B	1/4" ALUM



REV.	DESCRIPTION	DATE	REV'D BY	CHK'D BY	APP'D BY

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TOLERANCES UNLESS SPECIFIED OTHERWISE:  
 3 PLACE .XXX ±.010  
 2 PLACE .XX ±.020  
 1 PLACE .X ±.050  
 ANGLE DIMENSIONS ± Z  
 USE W1Q-007 & 008

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CTR	CENTER	OC	ON CENTER
CL	CENTER LINE	OD	OUTSIDE DIAMETER
C-C	CENTER TO CENTER	OR	OUTSIDE RADIUS
CHAM	CHAMFER	PI	POINT OF INTERSECTION
DAT	DATUM	R	FULL RADIUS
DET	DETAIL	REF	REFERENCE
E-E	END TO END	SYM	SYMMETRICAL
EXP	EXPOSED	TAN	TANGENT
ID	INSIDE DIAMETER	TYP	TYPICAL
IR	INSIDE RADIUS		

**RELIABLE**

PRODUCTS  
 P.O. BOX 580, 1300 ENTERPRISE RD  
 GENEVA, ALABAMA 36340-0580  
 PH: (334) 684-3621 FAX: (334) 684-3680

AREA	EST. PER.	EST. WT/FT.
1.281	12.50	1.537
ALLOY & TEMPER	UNSPEC. RADII	UNSPEC. WALL
6063-T5	.010	.25"
DWN: VMA	CHK: DJR	APPV: DJR
DATE: 1/3/08	DATE: 1/11/08	DATE: 1/11/08

PART DESC. 4375DC LOUVER PART DETAILS SHEET 5 OF 5

SCALE: NTS ECN: DATE:

DWG No. 60-022137-05B REV.

FOR OFFICE USE ONLY

Approved as complying with the Florida Building Code  
 Date 01/08/2009  
 NOAD 08-1207-04  
 Manual Date Product Control  
 Division  
 By *[Signature]*

*Daniel J. Rau*  
 1/11/2008

ENGINEER OF RECORD:  
 DANIEL J. RAU.  
 ENGINEERING DISCIPLINE:  
 CIVIL ENGINEER  
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NOTE:  
 DESIGN DIE FOR MAX. ALLOY & TEMPER SHOWN