



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 ACL645D Aluminum Louver**

**APPROVAL DOCUMENT:** Drawing No. **60-022202**, titled "ACL645D Louver", sheets 1 through 6 of 6, dated 03/30/2011, with revision A dated 07/17/2013, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

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

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

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

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

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

This NOA revises NOA # 17-0222.06 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**

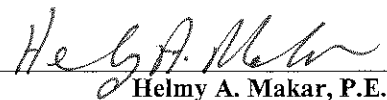


*Helmy A. Makar*  
02/08/2018

NOA No. 17-1025.04  
Expiration Date: 04/28/2021  
Approval Date: 02/08/2018

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

- A. DRAWINGS “Submitted under NOA # 13-0521.09”**
1. Drawing No. **60-022202**, titled “ACL645D Louver”, sheets 1 through 6 of 6, dated 03/30/2011, with revision A dated 07/17/2013, prepared by Ruskin Company, signed and sealed by Daniel J. Rau, P.E.
- B. TESTS “Submitted under NOA # 11-0207.20”**
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 Series ACL645D Aluminum Louvers”, prepared by National Certified Testing Laboratories, Report No. **210-3711-1**, dated 11/05/2010, signed and sealed by Gerald J. Ferrara, P.E.
- C. CALCULATIONS “Submitted under NOA # 11-0207.20”**
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Ruskin Company, dated 01/07/2011, signed and sealed by William J. Mossie, 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 # 16-0627.11”**
1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC issued by Ruskin Company, dated 06/14/2016, signed and sealed by Daniel J. Rau, P.E.
- “Submitted under NOA # 13-0521.09”**
2. Statement letter of no financial interest, issued by Ruskin Company, dated 07/17/2013, signed and sealed by Daniel J. Rau, P.E.



Helmy A. Makar, P.E., M.S.  
Product Control Section Supervisor  
NOA No. 17-1025.04  
Expiration Date: 04/28/2021  
Approval Date: 02/08/2018

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. None.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

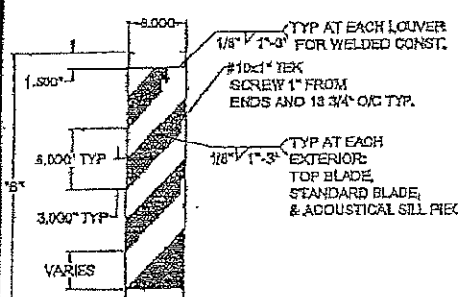
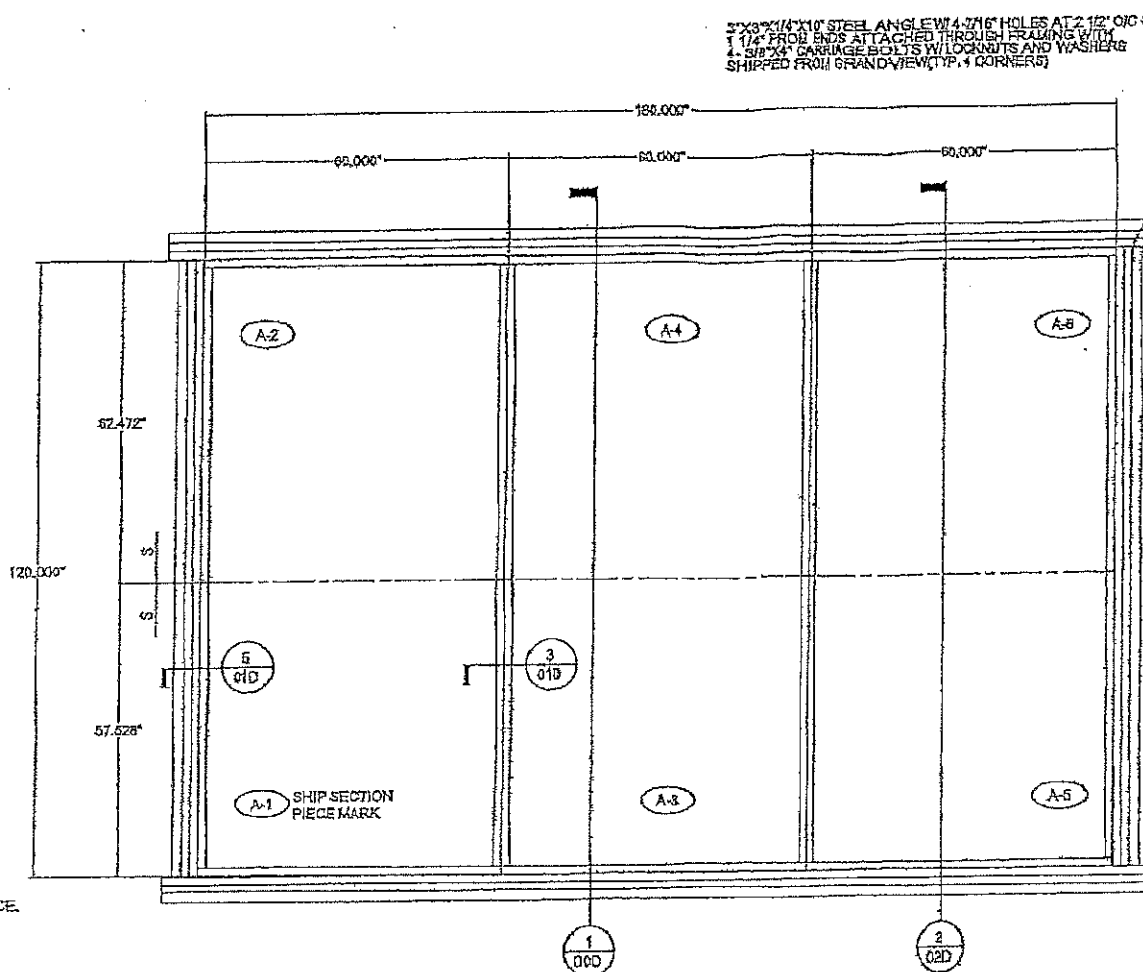
1. Statement letter of code conformance to the 6<sup>th</sup> edition (2017) FBC issued by Ruskin Company, dated 10/09/2017, signed and sealed by Daniel J. Rau, P.E.



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**Helmy A. Makar, P.E., M.S.**  
Product Control Section Supervisor  
NOA No. 17-1025.04  
Expiration Date: 04/28/2021  
Approval Date: 02/08/2018

FRAME	
Formed .125" aluminum channel.	
BLADES	
Formed .081" aluminum exterior w/ .050" perforated aluminum interior surface.	
4" Thick Mineral Wool Blanket 4 # Density.	
SCREEN	
1/2" mesh x 19 gal. bird screen.	
6/8" x .040" expanded flattened aluminum bird screen.	
1/2" mesh x .063" aluminum bird screen.	
18-18 mesh al. insect screen.	
No corner.	
FINISH	
Mil.	
Kynar (opt).	
Baked enamel (modified fluoropolymer, 80% Kynar, opt).	
Color anodize (opt).	
Clear anodize (opt).	
ACCESSORIES (opt)	
Flange frame.	
Extended sill.	
Glass gaskets.	
Mercurial paper.	



ACL645D

- NOTES:**
- 1) THE ACL645D HAS BEEN TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE AND CYCLIC WIND PRESSURE.
  - 2) THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESSURES OF 4-150 PSF OR LESS.
  - 3) THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
  - 4) LOUVER ANCHORS ARE REVIEWED FOR ATTACHMENT INTO STEEL, CONCRETE, MASONRY OR TIMBER SUBSTRUCTURE. MINIMUM EDGE DISTANCE AND EMBEDMENT REQUIREMENTS ARE SHOWN. RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE SUB-STRUCTURE.
  - 5) MAXIMUM SINGLE SECTION SIZE: 60" WIDE X 120" HIGH.
  - 7) MAXIMUM ASSEMBLED LOUVER SIZE: UNLIMITED WIDTH 120" HIGH. MAX. MILLION SPACING IS 80'.
  - 8) 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.
  - 9) THIS LOUVER IS TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.

**DRAWING INDEX:**

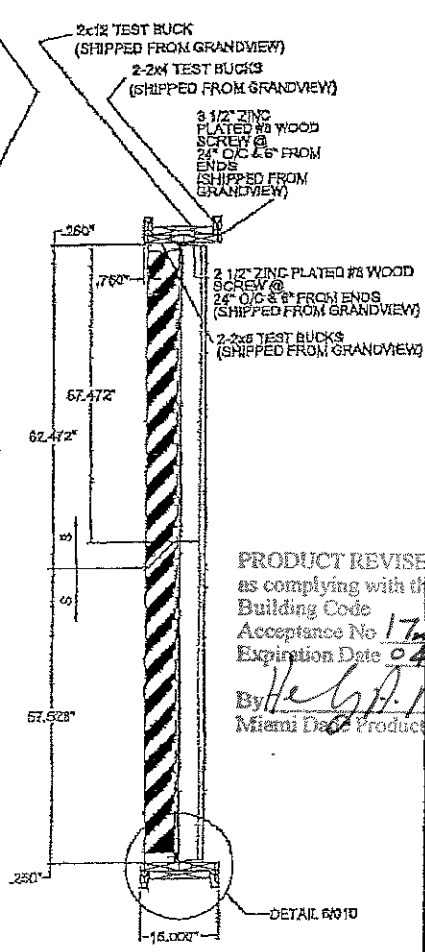
60-022202-000	ACL645D TEST LOUVER - SPEC, ASS'Y AND NOTES	Drawing 1 of 6
60-022202-010	ACL645D TEST LOUVER - SECTION AND DETAILS	Drawing 2 of 6
60-022202-020	ACL645D TEST LOUVER - SECTION AND DETAILS	Drawing 3 of 6
60-022202-030	ACL645D TEST LOUVER - SECTION AND DETAILS	Drawing 4 of 6
60-022202-040	ACL645D TEST LOUVER - PART DETAILS	Drawing 5 of 6
60-022202-050	ACL645D TEST LOUVER - PART DETAILS	Drawing 6 of 6

**TESTS PERFORMED:**  
TAS-201 LARGE MISSILE IMPACT  
TAS-202 UNIFORM STATIC AIR PRESSURE TEST  
TAS-203 CYCLIC WIND PRESSURE TEST  
DESIGN PRESSURE RATING 150 PSF

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. **17-0222.06**  
Expiration Date **04/28/2021**  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. **16-0627.11**  
Expiration Date **04/28/2021**  
By *[Signature]*  
Miami-Dade Product Control

FOR OFFICE USE ONLY



1 SECTION N.T.S.

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. **17-1025.04**  
Expiration Date **04/28/2021**  
By *[Signature]*  
Miami-Dade Product Control

**DANIEL J. RAU**  
NO. 63636  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

**DANIEL J. RAU**  
CIVIL ENGINEER  
STATE OF FLORIDA #63636

REV.	DESCRIPTION	DATE	BY	CHKD.	APP'D.
A	REVISED NOTES: DRAWING INDEX & ENGINEER OF RECORD	07/17/14	RJP	DJR	DJR

**NOTES:**  
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 TO MARK, JOINT & CORNER USE VENDOR'S OR.

3 PLACE XXXX10  
4 PLACE DIMENSIONS & 2  
USE VENDOR'S OR

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**RUSKIN SWARTWOUT**

5800 DR. GREENSBORO GRANDVIEW, MO. 64030  
PH: (816) 781-1478 FAX: (816) 783-4102

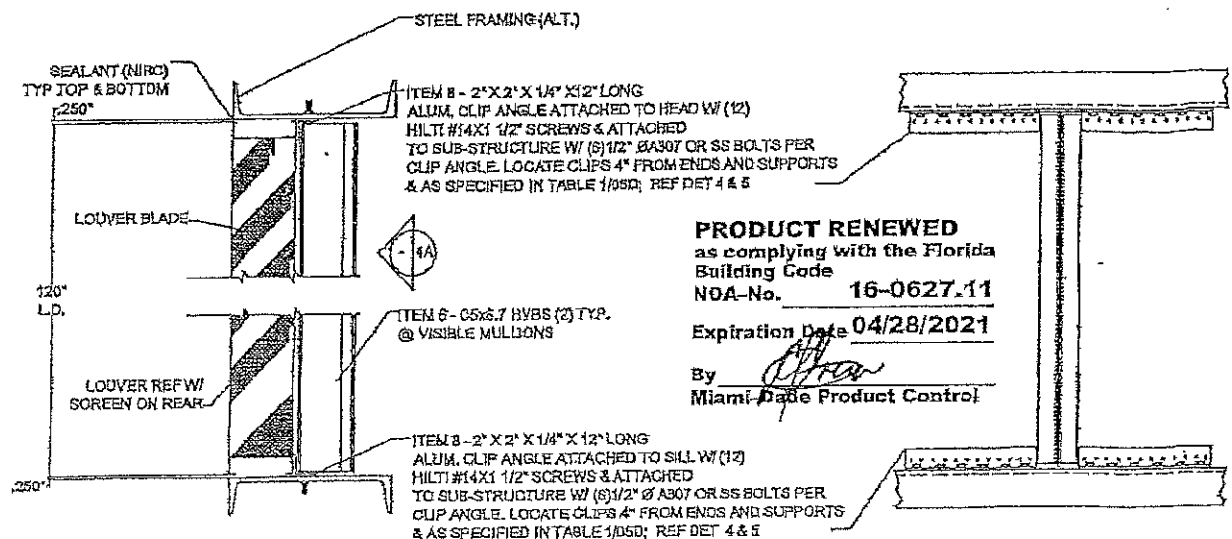
AREA	EST. PER.	EST. WT/FT.
ALLOY & TEMPER.	UNSPEC. RADII	UNSPEC. WALL

DWG: WRM  
DATE: 03-30-2011

PART DESC: ACL645D LOUVER SPEC'S, ASS'YS AND NOTES: DRAWING 1 OF 6

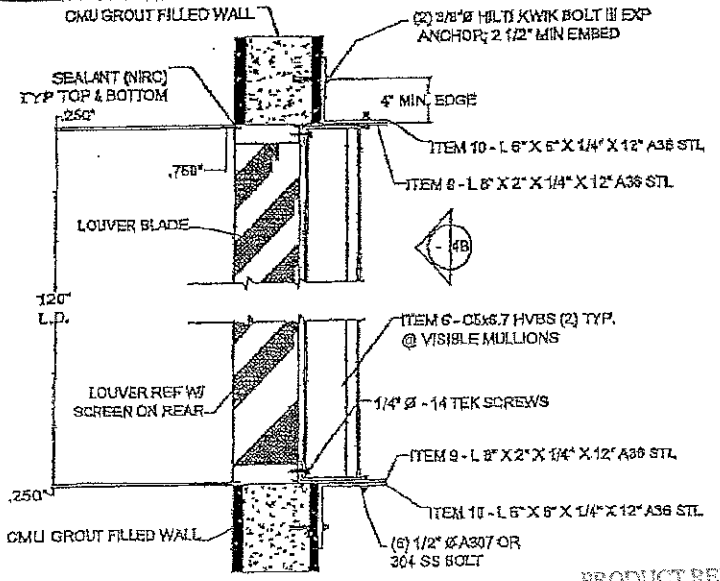
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DWG No. **60-022202-00D**





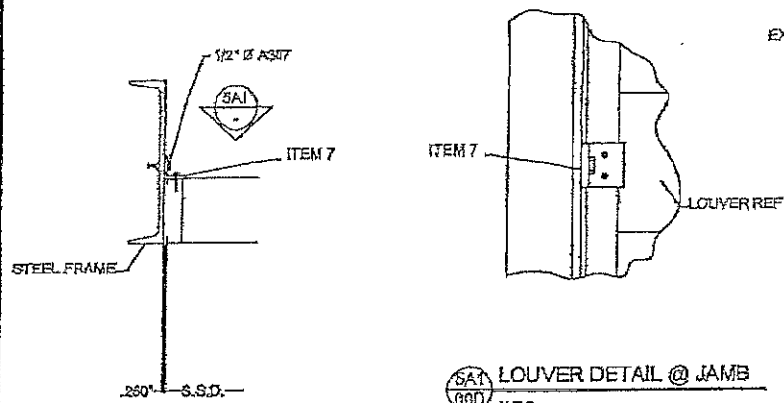
2A LOUVER DETAIL @ HEAD & SILL  
N.T.S.  
STRUCTURE - STEEL FRAME  
12 GAUGE MIN. THICKNESS

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **16-0627.11**  
Expiration Date **04/28/2021**  
By *[Signature]*  
Miami-Dade Product Control

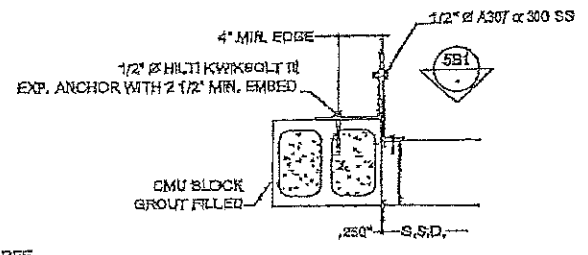


2B LOUVER DETAIL @ HEAD & SILL  
N.T.S.  
ALT. STRUCTURE - CMU BLOCK

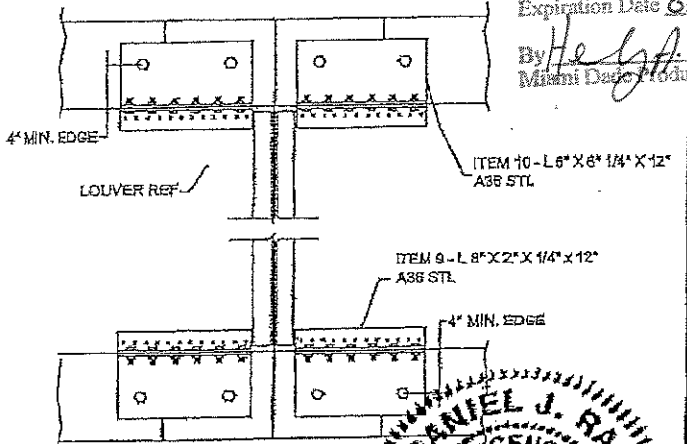
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. **17-1025.04**  
Expiration Date **04/28/2021**  
By *[Signature]*  
Miami-Dade Product Control



5A LOUVER DETAIL @ JAMB  
N.T.S.  
STRUCTURE - STEEL FRAME  
12 GAUGE MIN. THICKNESS

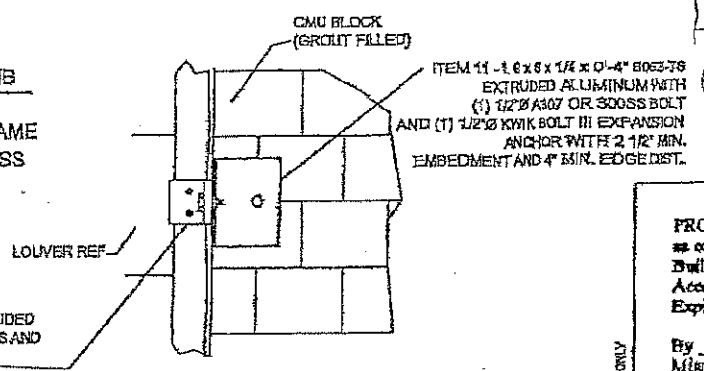


4A MULLION REAR ELEVATION  
N.T.S.  
STRUCTURE - STEEL FRAME  
12 GAUGE MIN. THICKNESS



4B MULLION REAR ELEVATION  
N.T.S.  
ALT. STRUCTURE - CMU BLOCK

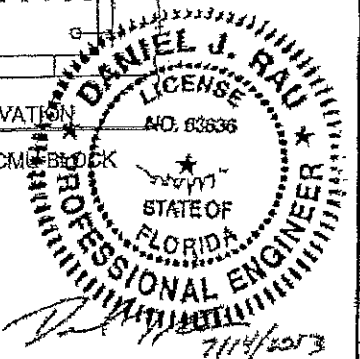
5A1 LOUVER DETAIL @ JAMB  
N.T.S.  
STRUCTURE - STEEL FRAME  
12 GAUGE MIN. THICKNESS



5B1 LOUVER DETAIL @ JAMB  
N.T.S.  
ALT. STRUCTURE - CMU BLOCK

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **17-0222.06**  
Expiration Date **04/28/2021**  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. **13-0521.09**  
Expiration Date **04/28/2016**  
By *[Signature]*  
Miami-Dade Product Control



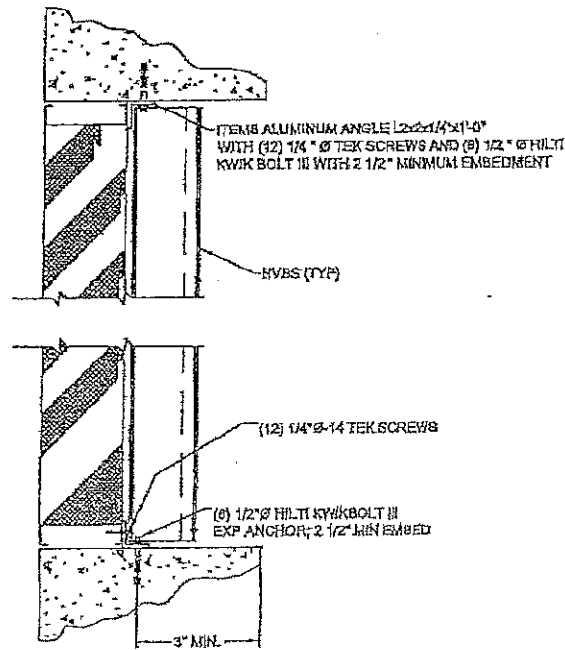
REVISIONS OF RECORD	DANIEL J. RAU
ENGINEERING DISCIPLINE	CIVIL ENGINEER
STATE OF FLORIDA #63836	

REV.	DESCRIPTION	DATE	BY	CHKD BY	APP'D BY
A	REVISED ENGINEER OF RECORD				
<p>NOTE: 1) ALL DIMENSIONS ARE GIVEN IN INCHES. 2) ALL EXPOSED SURFACES MUST BE FREE OF DIE LINES. 3) ALL ALUMINUM ASSOCIATION TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED. 4) "EXTRAUDER SPECIFIC ID MARK; 408R X .005D"</p>					
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CTR	CENTER	OR	OR	OR	OR
CL	CENTERLINE	CL	CL	CL	CL
CC	CENTER TO CENTER	CC	CC	CC	CC
CRAY	CORNER	CRAY	CRAY	CRAY	CRAY
DAT	DATUM	DAT	DAT	DAT	DAT
DET	DETAIL	DET	DET	DET	DET
E	END TO END	E	E	E	E
EDW	EXPOSED	EDW	EDW	EDW	EDW
IS	INSIDE RADIUS	IS	IS	IS	IS
OS	OUTSIDE RADIUS	OS	OS	OS	OS
OR	OUTSIDE DIAMETER	OR	OR	OR	OR
ORR	OUTSIDE RADIUS	ORR	ORR	ORR	ORR
PT	POINT OF INTERSECTION	PT	PT	PT	PT
FR	FULL RADIUS	FR	FR	FR	FR
REF	REFERENCE	REF	REF	REF	REF
STL	STRUCTURAL	STL	STL	STL	STL
TAN	TANGENT	TAN	TAN	TAN	TAN
TYP	TYPICAL	TYP	TYP	TYP	TYP

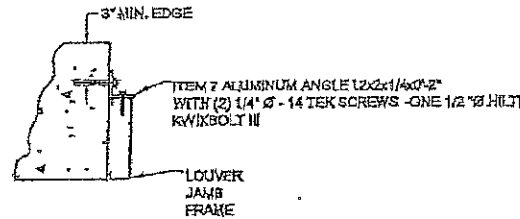
**RUSKIN SWARTWOUT**

3000 W. CREAVES RD  
MIAMI, FL 33155  
PH: (305) 757-4747 FAX: (305) 757-5122

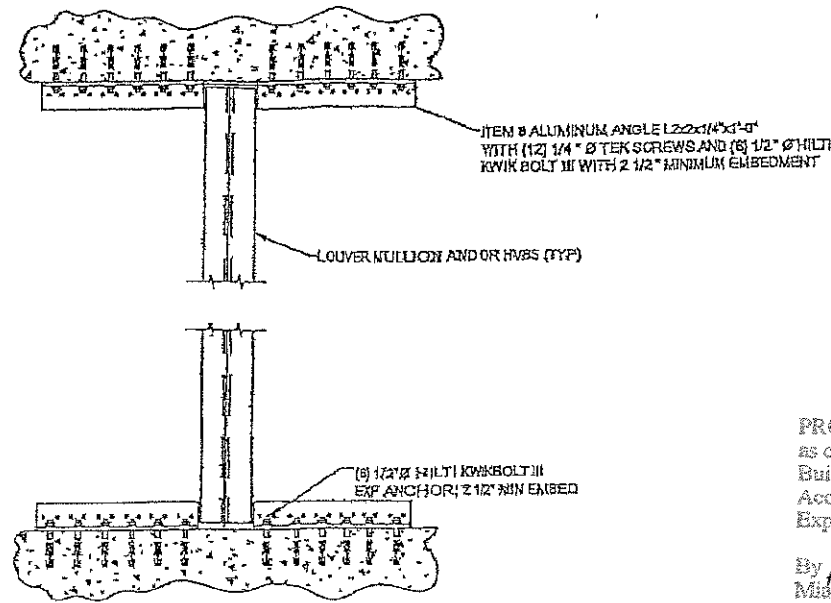
AREA	EST. PER.	EST. W/FL.	
ALLOY & TEMPER	UNSPEC. RADII	UNSPEC. WALL	
DWN	W/FL	DATE	APPR
DATE	03/28/2011	DATE	DATE
PART DESG.			
ACL645D LOUVER SECTION AND DETAILS: DRAWING 3 OF 8			
SCALE	N.T.S.	ECH	DATE
DWG No.	60-022202-02D		



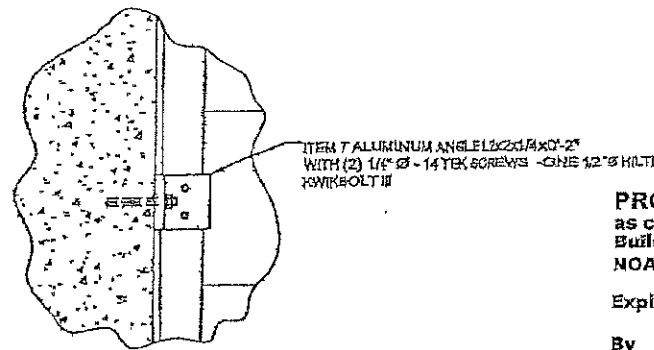
2C LOUVER DETAIL @ HEAD & SILL  
 00D N.T.S.  
 ALT. STRUCTURE - CONCRETE SUPPORT



5C LOUVER DETAIL @ JAMB  
 00D N.T.S.  
 ALT. STRUCTURE - CONCRETE SUPPORT



4C MULLION REAR ELEVATION  
 00D N.T.S.  
 ALT. STRUCTURE - CONCRETE SUPPORT



5C1 LOUVER DETAIL @ JAMB  
 00D N.T.S.  
 ALT. STRUCTURE - CONCRETE SUPPORT

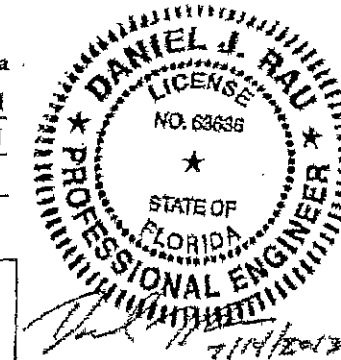
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 17-1025.04  
 Expiration Date 04/28/2021  
 By *Heidi A. Miller*  
 Miami-Dade Product Control

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 NOA-No. 17-0222.06  
 Expiration Date 04/28/2021

By *[Signature]*  
 Miami-Dade Product Control

PRODUCT RENEWED  
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 NOA-No. 16-0627.11  
 Expiration Date 04/28/2021  
 By *[Signature]*  
 Miami-Dade Product Control

PRODUCT REVISED  
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 Building Code  
 Acceptance No. 13-0521.09  
 Expiration Date 04/28/2016  
 By *[Signature]*  
 Miami-Dade Product Control



DESIGNER OF RECORD  
 DANIEL J. RAU  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL ENGINEER  
 STATE OF FLORIDA #63636

REV.	DESCRIPTION	DATE	CHKD BY	APPD BY
A	REVISED ENGINEER OF RECORD	07/17/18	REV'D BY	APP'D BY

NOTE:  
 1) ALL DIMENSIONS ARE GIVEN IN INCHES.  
 2) ALL EXPOSED SURFACES MUST BE FREE OF DIRT LINES.  
 3) ALUMINUM ASSOCIATION TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED.  
 4) \* EXTRACTOR SPECIFIC ID MARK: 308R-X-URB0P

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

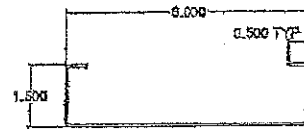
OR	CENTER	OR CENTER
OC	CENTERLINE	OC OUTSIDE DIAMETER
CC	CENTER TO CENTER	CC OUTSIDE TO CENTER
CC	CORNER	CC POINT CENTER TO CORNER
DA	DATUM	DA RADIUS
DE	DETAIL	DE REFERENCE
EN	END JOINT	EN STRUCTURAL
EX	EXPOSED	EX TYPICAL
IS	IS OUTSIDE	IS TYPICAL
IS	IS OUTSIDE RADIUS	IS TYPICAL

**RUSKIN SWARTWOUT**  
 3000 BR. BREVARDS RD  
 MIAMI, FL 33133  
 PH: (313) 761-7476 FAX: (313) 761-4102

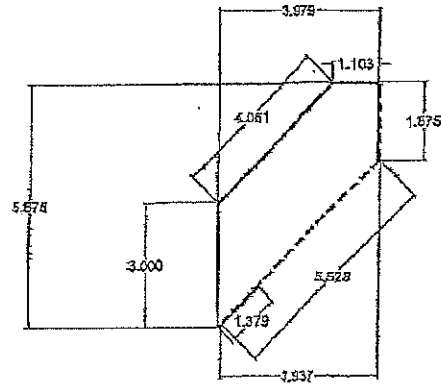
AREA	EST. PER.	EST. WFT.
ALLOY & TEMPER	UNSPEC. RATIO	UNSPEC. WALL
DYNE	WJM	CHK
DATE: 05/05/2011	DATE:	DATE: 1/11/11

PART DESC.  
 ACL6480 LOUVER SECTION AND DETAILS DRAWING 4 OF 6

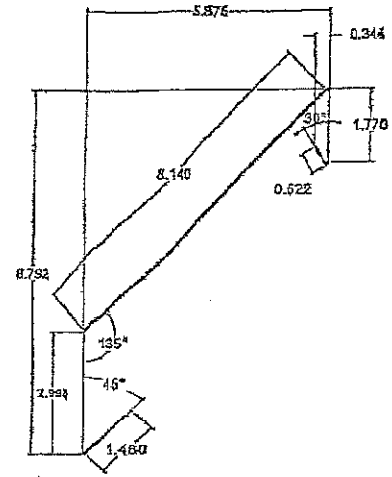
SCALE: NTS ECN: - DATE:  
 DWG No. 60-022202-03D



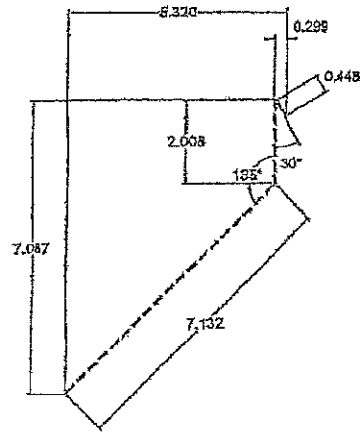
ITEM 1 - HEAD, JAMB AND SILL FRAME  
RUSKIN# 70-020440-008-2  
ALUMINUM FLAT CUT= 9 1/2"



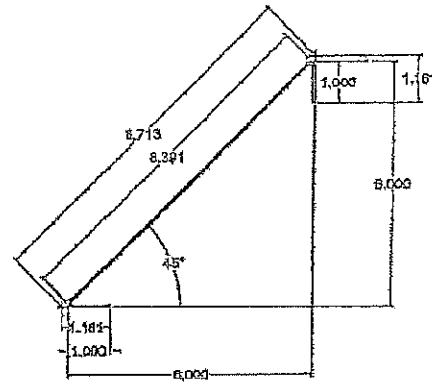
ITEM 2 - TOP BLADE  
RUSKIN# 70-020441-008  
ALUMINUM FLAT CUT(EXT. BLD.)= 11 3/8"  
ALUMINUM FLAT CUT(INT. BLD.)= 7 5/16"



ITEM 3 - TYPICAL BLADE  
ALUMINUM FLAT CUT= 14 13/16"



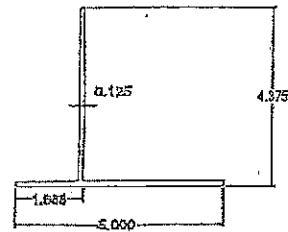
INTERIOR BLADE  
ALUMINUM FLAT CUT= 9 1/2"



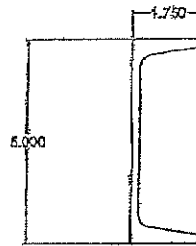
EXTERIOR BLADE  
ALUMINUM FLAT CUT(EXT. BLD.)= 10 5/16"



INTERIOR CLOSURE  
ALUMINUM FLAT CUT= 6 1/2"



ITEM 5 - HVBS TEE  
RUSKIN# 70-022218-008



ITEM 6 - C5x6.7 STEEL CHANNEL  
HOT DIPPED GALVANIZED ASTM A123

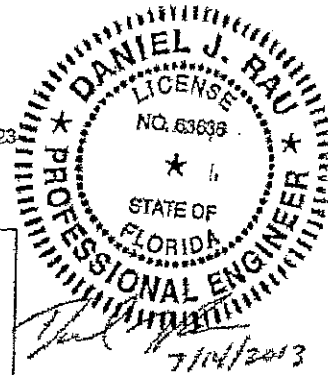
ITEM 4 - SILL PIECE  
RUSKIN# 70-021584-008

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 17-0222.06  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 16-0627.11  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No 18-0521.09  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control

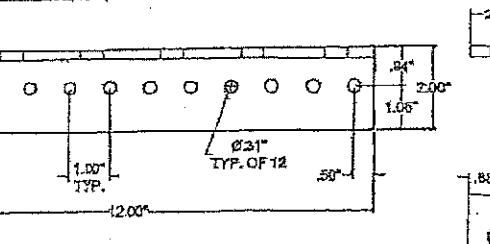
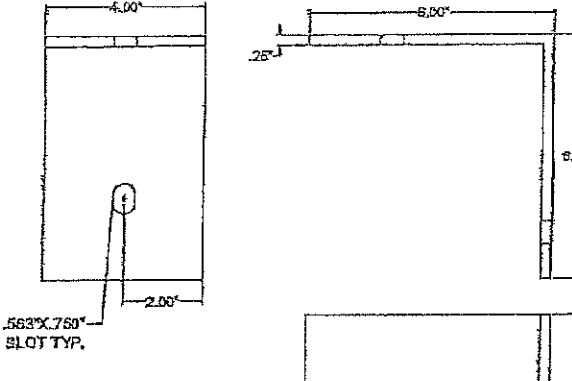
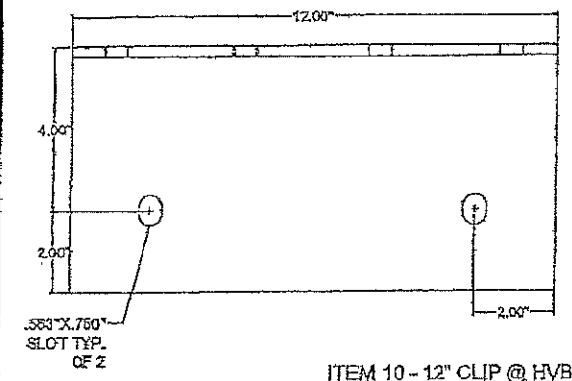
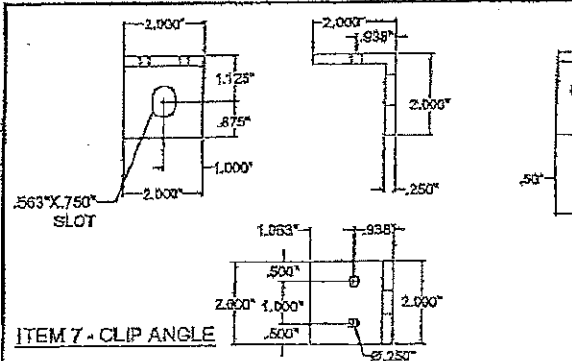
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 17-1025.04  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control



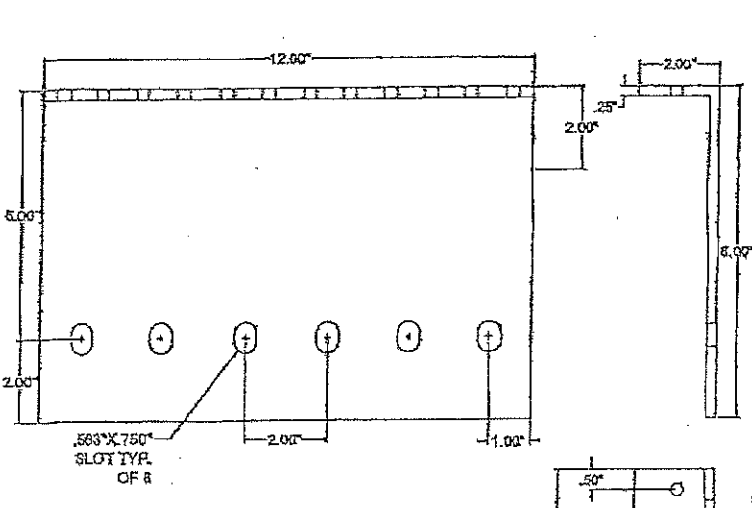
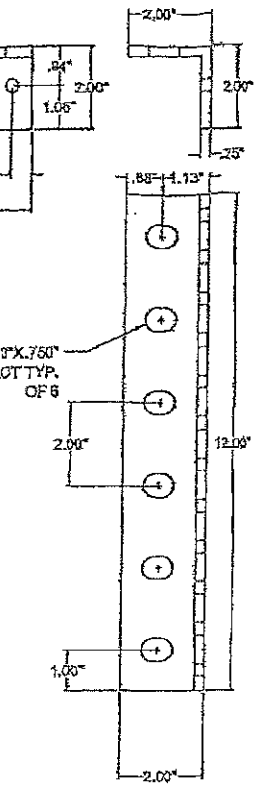
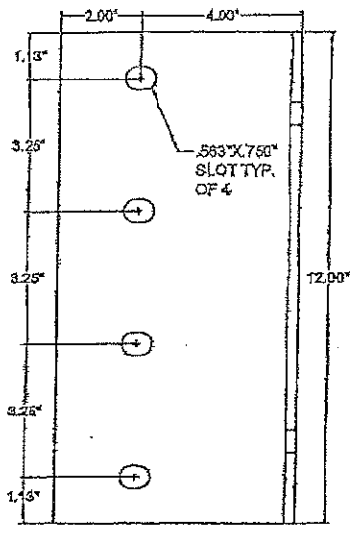
ENGINEER OF RECORD  
DANIEL J. RAU  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF FLORIDA #63636

REV. A	REVISOR	DESCRIPTION	DATE	CHKD BY	APPD BY
1		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) ** EXTRACTER SPECIFIC ID MARK: 800R-K-3800P			
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<p>3500 DR. CLEVELAND CRAVENSVIEW, MO 64030 PH: (816) 781-7476 FAX: (816) 253-8822</p>					
AREA	EST. PER	EST. WT/LF			
ALLOY & TEMPER	UNSPEC. RADII	UNSPEC. WALL			
DWN: IVJM	CRG:	APPV: I			
DATE: 04/07/2011	DATE:	DATE:			
PART DESC. AGL845D LOUVER PART DETAILS DRAWING 5 OF 6					
SCALE: NTS	EQ: -	DATE:			
DWG No. 60-022202-04D					





**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 17-1025-04  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control



**PRODUCT RENEWED**  
as complying with the Florida Building Code  
NOA-No. 16-0627.11  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control

TABLE #2: DRAWING CROSS REFERENCE

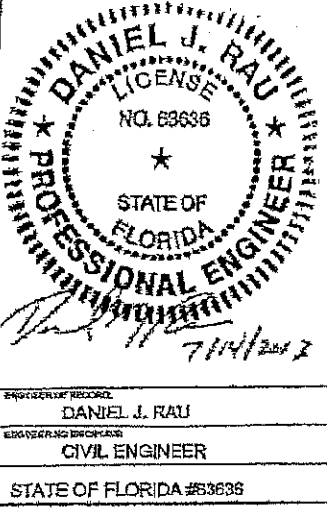
ITEM	DRAWING	MATERIAL	DESCRIPTION	RUSKIN #
1	60-022202-02D	3803-H14 AL	HEAD, JAMB AND SILL FRAMES	70-020442-00B-2
2	60-022202-02D	3803-H14 AL	TOP BLADE	70-020441-00B
3	60-022202-02D	3803-H14 AL	TYPICAL BLADE	70-020443-00B
4	60-022202-02D	3803-H14 AL	SILL PIECE	70-021584-00B
5	60-022202-02D	60K3-T6 AL	HVBS TEE	70-022218-00B
6	60-022202-02D	A36 STEEL	C&G-7	-
7	60-022202-05D	60B3-T6 AL	CLIP ANGLE	85-021637-00B
8	60-022202-05D	60B3-T6 AL	12\"/>	

**PRODUCT REVISED**  
as complying with the Florida Building Code  
NOA-No. 17-0222.06  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control

TABLE #1: APPROVED ATTACHMENTS

MIN. SUPPORT MATL	TYPE CONNECTION	ANGLE SLOT WIDTH	MAX SPACING	MIN EMBEDMENT	MIN EDGE
(12 GA MIN) STEEL	1/2\"/>				

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



**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 13-0521-09  
Expiration Date 04/28/2021  
By *[Signature]*  
Miami-Dade Product Control

REV.	REVISOR	DESCRIPTION	DATE	BY	APP'D BY
A	REVISED ENGINEER OF RECORD				
	TO FABRICATOR UNLESS SPECIFIED OTHERWISE				

**NOTES:**  
1) ALL DIMENSIONS ARE GIVEN IN INCHES.  
2) ALL EXPOSED SURFACES MUST BE FREE OF DIE DINGS.  
3) FLAKE-EXPOSED SURFACES MUST BE FREE OF DIE DINGS.  
4) ALUMINUM ASSOCIATION TOLERANCES APPLY UNLESS OTHERWISE SPECIFIED.  
5) \*\* EXTRUDER SPECIFIC ID MARK: 60B3-T6 AL

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## RUSKIN SWARTWOUT

3900 DR. GREAVES RD  
DADE COUNTY, FL 33140  
PH: (813) 761-7426 FAX: (813) 761-5102

AREA	EST. PER.	EST. RTG'E

ALLOY & THICKNESS	UNSPEC. RADII	UNSPEC. WALL

DWG. NO.	DWG. DATE	APP'D DATE
60-022202-05D	04/27/2011	

PART DESG. **ACL645D LOUVER PART DETAILS DRAWING 6 OF 6**

SCALE: NTS.    REVISIONS:    DATE:    DWG NO.    60-022202-05D

ENGINEER RECORD: **DANIEL J. RAU**  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL ENGINEER  
STATE OF FLORIDA #69636