



**MIAMI-DADE COUNTY**  
**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/buildingcode](http://www.miamidade.gov/buildingcode)

**Reliable Products**

**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 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 5DDWRDC Aluminum Louver**

**APPROVAL DOCUMENT:** Drawing No. **60-022170-01D / 02D**, titled "5DDWRDC Louver Sched., Specs, Assy's and Notes and Details", Sheets 1 and 2 of 2, dated 09/03/04, with last revision G dated 08/26/09, prepared by Reliable Products, signed and sealed by Daniel J. Rau, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance 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 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*[Handwritten Signature]*  
 11/09/09

**NOA No. 09-0713.04**  
**Expiration Date: February 23, 2011**  
**Approval Date: December 02, 2009**  
 Page 1

**Reliable Products**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **60-022170-01D / 02D**, titled "5DDWRDC Louver Sched., Specs, Assy's and Notes and Details", Sheets 1 and 2 of 2, dated 09/03/04, with last revision G dated 08/26/09, prepared by Reliable Products, signed and sealed by Daniel J. Rau, P.E.

**B. TESTS**

1. Test report on Large Missile Impact Test per TAS 201, Test, Cyclic Wind Pressure Test per TAS 203, Test and Uniform Static Air Pressure Test per TAS 202 of "Series:EME520MD; Aluminum Louvers Muller Together", prepared by Fenestration Testing Laboratory Inc, laboratory No.4525, dated 04/22/05, signed and sealed by E. J. Largaespada, P.E.  
*"Submitted under NOA # 05-0812.07"*

**C. CALCULATIONS**

1. Calculations prepared by Ruskin Company, dated 08/10/05, pages 1 though 13, signed and sealed by E. P. Hutson, P.E.  
*"Submitted under NOA # 05-0812.07"*

**D. QUALITY ASSURANCE**

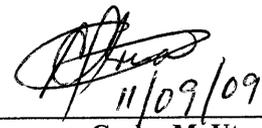
1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Test compliance letter issued by Fenestration Testing Laboratory Inc, on 06/08/05, signed by E. J. Largaespada, P.E.
2. No financial interest letter issued by Norton & Schmidt on 07/29/05 and signed and sealed by E. P. Hutson, Jr., P.E.
3. Code compliance letter issued by Ruskin on 01/09/06, signed and sealed by Daniel J. Rau, P.E.  
*"Submitted under NOA # 05-0812.07"*

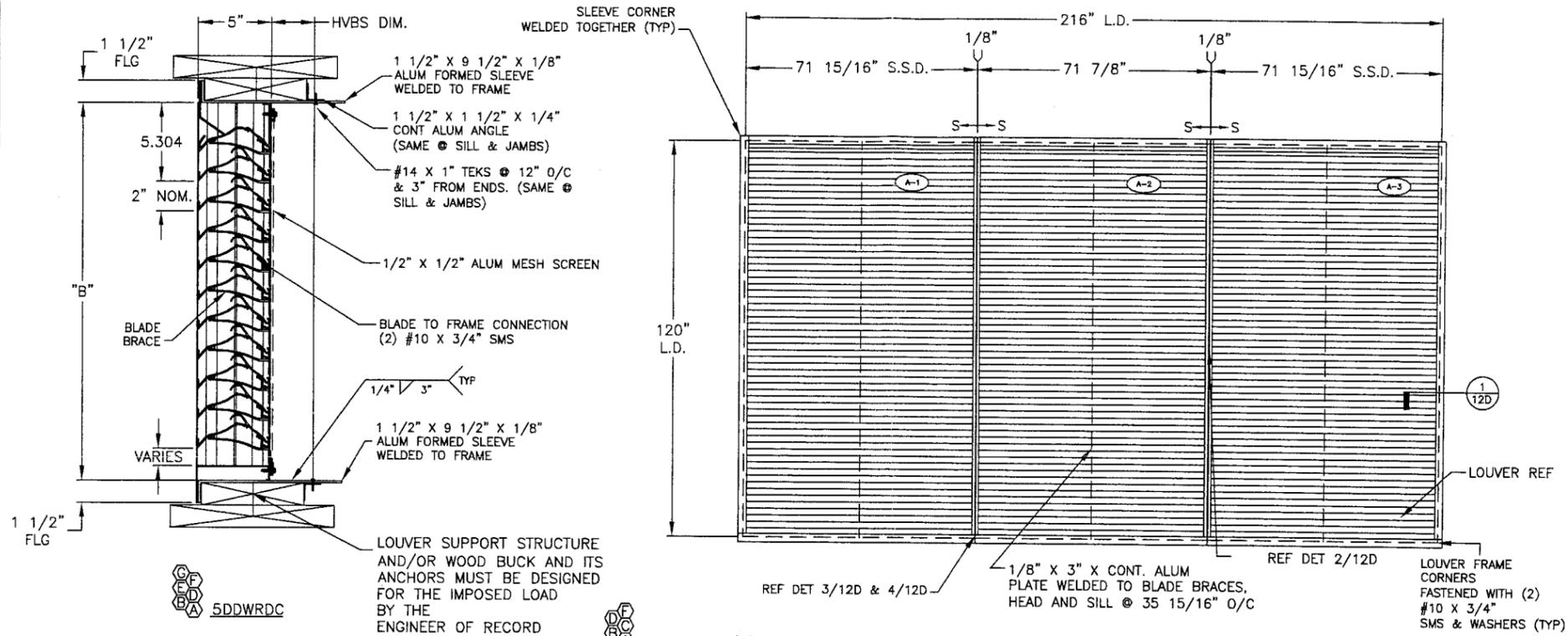


11/09/09

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 09-0713.04  
Expiration Date: February 23, 2011  
Approval Date: December 02, 2009

HEAD - DWG 60-022170-00B	
6063-T5 extruded aluminum with .054" nominal wall thickness.	
SILL - DWG 60-022170-02B	
6063-T5 extruded aluminum with .060" nominal wall thickness.	
FRAME - DWG 60-022170-01B	
6063-T5 extruded aluminum with .060" nominal wall thickness. Caulking slots provided.	
Flange frame. Same matl and thickness as above.	
BLADES - DWG 60-022170-03B	
6063-T5 extruded aluminum with .060" nominal wall thickness. J style blades are positioned at 20° angle.	
SCREEN	
5/8" x .040" expanded flat-tened aluminum bird screen.	
1/2" mesh x .063" aluminum bird screen.	
16-18 mesh alum insect screen	
No screen.	
FINISH	
Mill.	
Kynar (opt).	
Baked enamel (modified fluoropolymer, 50% Kynar, opt).	
Color Anodize (opt).	
Clear Anodize (opt).	
Color:	
ACCESSORIES	
Blankoff panel.	
1 1/2" x 1 1/2" x 1/4" (F)	
Continuous angles at perimeter	



**ASSEMBLY 'A'**  
 N.T.S.  
 TESTS PERFORMED:  
 PA-201/TAS-201 LARGE MISSILE IMPACT  
 PA-202/TAS-202 UNIFORM STATIC AIR PRESSURE TEST  
 PA-203/TAS-203 CYCLIC WIND PRESSURE TEST  
 DESIGN PRESSURE RATING 140 PSF

- NOTES:
- 1) THE SDDWRDC HAS BEEN TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS PA-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 +/- 140 PSF OR LESS.
  - 3) THE LOUVER SYSTEM IS TO BE INSTALLED IN LOCATIONS WHERE THE ROOMS BEHIND THE LOUVERS ARE DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOMS, AND THE ROOMS WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.
  - 4) THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
  - 5) THIS LOUVER UTILIZES AN ANCHORLESS INSTALLATION METHOD THAT DOES NOT REQUIRE THE USE OF FASTENERS INTO THE WALL SUBSTRATE. IT MAY BE INSTALLED IN ANY WALL SUBSTRATE THAT WILL WITHSTAND THE LOADS TRANSFERRED TO IT BY THE LOUVER. RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. (F)
  - 6) MAXIMUM SINGLE SECTION SIZE: 71 15/16" WIDE X 120" HIGH.
  - 7) MAXIMUM ASSEMBLED LOUVER SIZE: UNLIMITED WIDE X 120" HIGH. MAX. MULLION SPACING IS 71 15/16". (F)
  - 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.

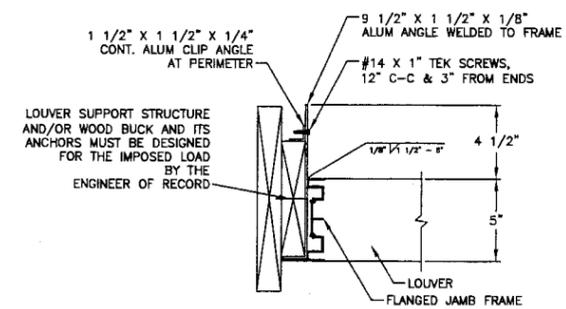
FOR OFFICE USE ONLY

Approved as complying with the Florida Building Code  
 Date 12/10/2009  
 NOA# 07-0713.04  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

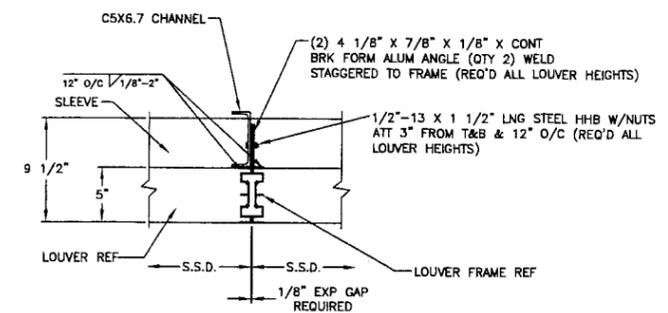
*[Signature]*  
 10/19/2009

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

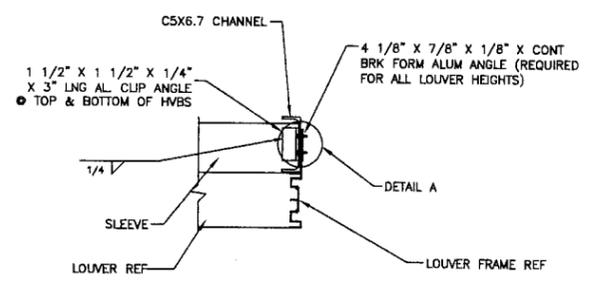
REV.	DATE	DESCRIPTION	CHK'D BY	APP'D BY
G	12/1/05	REVISED PER BCCO COMMENTS DATED 8/26/09	DJR	VMA
F	12/1/05	REVISED PER BCCO COMMENTS DATED 9/12/05	DJR	VMA
E	7/19/05	REVISED WELD SIZE PER CALCULATIONS AND SILL THICKNESS	DJR	VMA
D	3/7/05	REVISED TO AS TESTED CONDITIONS	DJR	VMA
C	12/17/04	ADDED INTERMEDIATE HVBS	DLC	VMA
B	12/14/04	REVISED SIZES AND FRAMING LOCATIONS	DLC	VMA
A	12/3/04	CHANGED ATTACHMENT DETAILS	DJR	VMA
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	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-TO	END TO END	SYM	SYMMETRICAL	
EXP	EXPOSED	TAN	TANGENT	
ID	INSIDE DIAMETER	TYP	TYPICAL	
IR	INSIDE RADIUS			
<b>RELIABLE PRODUCTS</b>				
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: JW	CHK: VMA	APPV: VMA		
DATE: 6/7/04	DATE: 9/3/04	DATE: 9/3/04		
PART DESC. SDDWRDC LOUVER SCHED., SPECS, ASSY'S SHEET AND NOTES 1 OF 2				
SCALE: NTS	ECN: -	DATE:		
DWG No. 60-022170-01D	REV.			



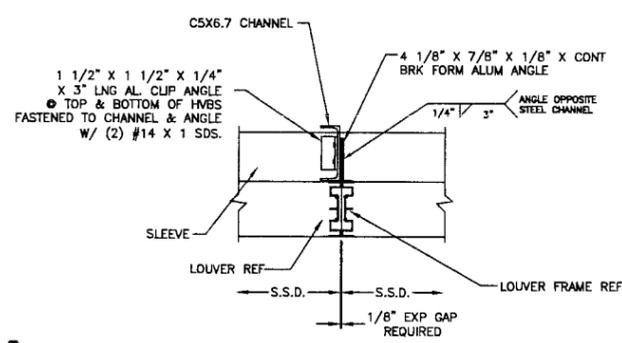
1 LOUVER @ JAMB DETAIL  
11D N.T.S.



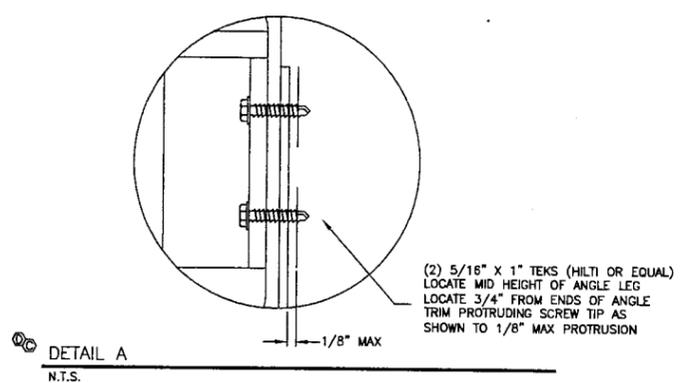
2 VISIBLE MULLION CONNECTION DETAIL  
11D N.T.S.



3 CLIP ANGLE INSTALLATION DETAIL  
11D N.T.S.



4 CLIP ANGLE CONNECTION DETAIL  
11D N.T.S.



DETAIL A  
11D N.T.S.

REV.	DESCRIPTION	DATE	REV'D BY	CHK'D BY	APP'D BY
E	REVISED WELD SIZE PER CALCULATIONS AND SILL THICKNESS	12/1/05	DJR	VMA	VMA
D	REVISED FOR CALCULATIONS, DET. MULLION WITHOUT STEEL	7/19/05	DJR	VMA	VMA
C	REVISED FOR AS TESTED DETAILS	3/7/05	DJR	VMA	VMA
B	REVISED SIZES AND FRAMING LOCATIONS	12/14/04	DLC	VMA	VMA
A	CHANGED ATTACHMENT DETAILS	12/3/04	DJR	VMA	VMA

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

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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		

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 NOM: 07-0713.04  
 Miami Dade Product Control  
 Division  
 By: *[Signature]*

**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: JW	CHK: VMA	APPV: VMA
DATE: 6/7/04	DATE: 9/3/04	DATE: 9/3/04

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

*[Signature]*  
 10/19/2009

PART DESC.:  
 5DDWRDC LOUVER SHEET  
 DETAILS 2 OF 2  
 SCALE: NTS ECN: - DATE:  
 DWG No. 60-022170-02D REV.