



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) 375-2908

## NOTICE OF ACCEPTANCE (NOA)

The Airolite Company, LLC  
P.O. Box 838  
Marietta, OH 45750

**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: Aluminum Louver Model K605MD**

**APPROVAL DOCUMENT:** Drawing No.A1, A2, D1, D2 & D3, titled "ELEVATIONS & DETAILS K605 METRO DADE LOUVERS" dated 11/09/98 with revision #11 on 09/26/06, prepared by Airolite, signed and sealed by L. D. Rice P.E., bearing the Miami-Dade County Product Control Revision stamp with the NOA number and expiration 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 revises NOA # 05-0912.12 and consists of this page 1, evidence page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon  
1/23/07

NOA No: 06-0602.01  
Expiration Date: July 06, 2008  
Approval Date: February 15, 2007  
Page 1

The Airolite Company LLC.

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS.**

1. Drawing No.A1, A2, D1, D2 & D3, titled "ELEVATIONS & DETAILS K605 METRO DADE LOUVERS" dated 11/09/98 with revision #11 on 09/26/06, prepared by Airolite, signed and sealed by L. D. Rice P.E.

**B. TESTS.**

1. Test report on Large Missile Impact Test per PA 201, Cyclic Wind Pressure Test per PA 203 and Uniform Static Air Pressure Test per PA 202 of "K/CB605 Louvers for the American Airline Arena", prepared by Architectural Testing, Inc., report No. 01-34323.01, dated 04/15/99, signed and sealed by A. N. Reeves, P.E.

**C. CALCULATIONS.**

1. Structural Load Calculations for American Airlines Arena with documentation prepared by Airolite Architectural Louvers, Grilles & Sun Controls sheet 1 through 25 of 25, signed and sealed by J. F. Bir, PE on 05/11/99

**D. QUALITY ASSURANCE.**

1. Building Code Compliance Office

**E. STATEMENTS**

1. Code compliance letter issued by D. G. Farabaugh, PE on 05/08/00, signed and sealed by D. G. Farabaugh on 05/08/00, PE.
2. No change letter issued by The Airolite Co. on 05/29/03 and signed by Randal Geedey.
3. Assets Purchase Agreement between The Airolite Company, Louv-Aire Inc. and The Airolite Company LLC dated 06/30/04, signed by R. A. Greenheck and Leight Murray.

---

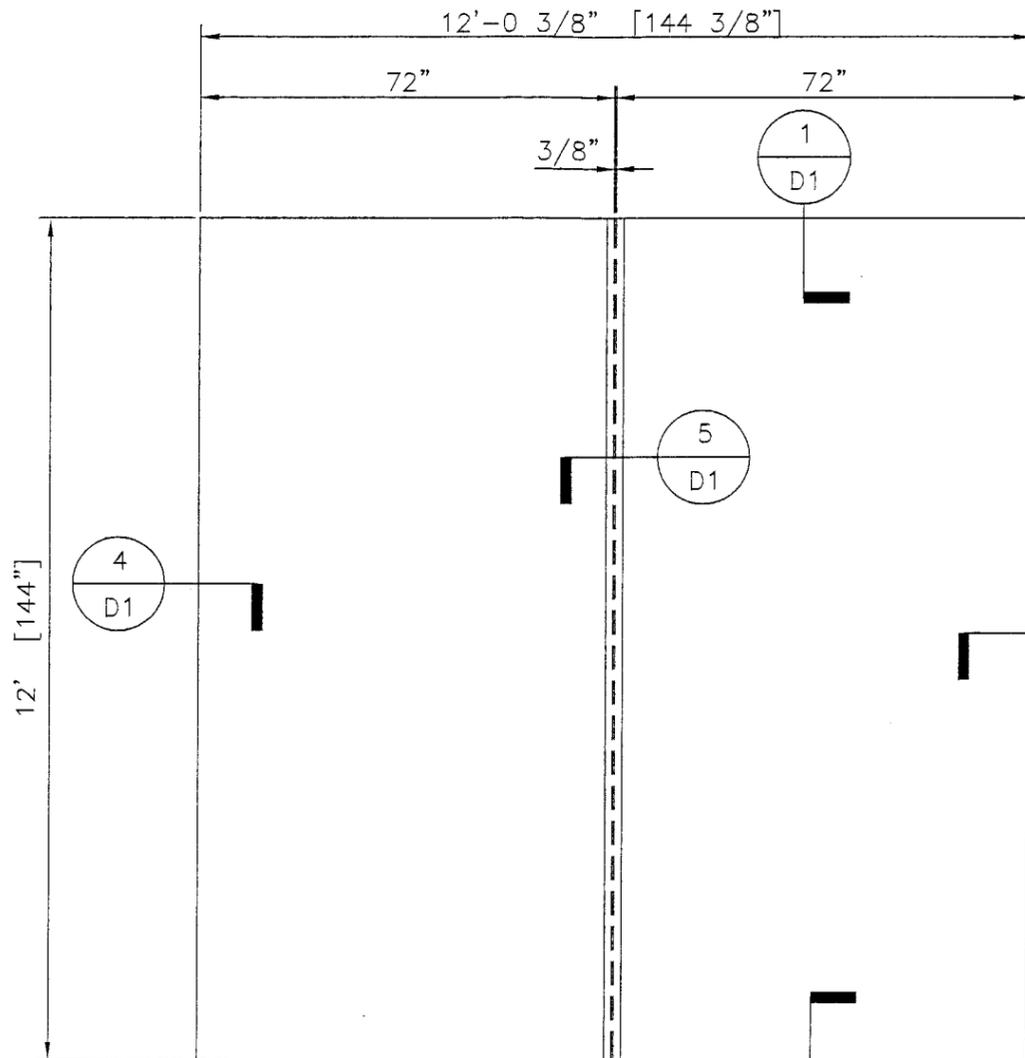


Jaime D. Gascon, P.E.  
Chief, Product Control Division  
NOA No 06-0602.01

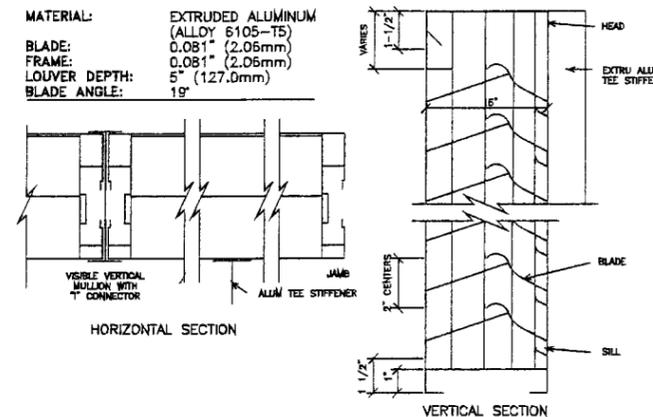
Expiration Date: July 06, 2008  
Approval: Date: February 15, 2007

**GENERAL NOTES:**

- 1) MAXIMUM UNSUPPORTED BLADE LENGTH SHALL NOT EXCEED 72" WITH OUT STIFFENER AND 144" WITH STIFFENER.
- 2) THE MAXIMUM DESIGN PRESSURE RATING IS ±110PSF
- 3) THIS SYSTEM HAS NOT BEEN TESTED FOR WATER INFILTRATION RESISTANCE AND IS NOT A WATER RESISTANT SYSTEM.
- 4) THE LOUVERS, FRAMES, HARDWARE/FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS AND MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THESE DRAWINGS.
- 5) THESE LOUVER ARE TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.



**MATERIALS**  
**LOUVER TYPE**  
**K605MD**  
**SIGHTPROOF BLADE LOUVER**



BLADES SHALL BE JOINED TO EACH JAMB FRAME AND VERTICAL STIFFENING MEMBER WITH TWO FILLET WELDS EACH 1" (25.4mm) LONG PRODUCED WITH THE PULSED GAS METAL ARC WELDING PROCESS (GMAW/MIG) WITH A MINIMUM 0.125" (3.18mm) THROAT. FRAMES SHALL BE JOINED AT EACH CORNER WITH FULL-LENGTH GMAW FILLET WELDS WITH A MINIMUM 0.125" (3.18mm) THROAT. MANUFACTURER SHALL SUBMIT THEORETICAL CALCULATIONS PREPARED BY A PROFESSIONAL ENGINEER SPECIALIZING IN THE APPLICATION OF WELDING TECHNOLOGY DEMONSTRATING THAT EACH WELD WILL WITHSTAND A MINIMUM 526 POUNDS OF FORCE IN SHEAR.

LOUVERS SHALL BE FACTORY PRIMED AND FINISHED—AFTER-ASSEMBLY WITH A KYNAR 500 (PVF<sub>2</sub>) RESIN COATING IN A COLOR SELECTED FROM THE MANUFACTURERS STANDARD COLOR CHART.

**FASTENER INDEX**

- F1—#10 x 5/8" long stainless steel indented hex head thread cutting screw, natural mill.
- F8—1/4"-2 1/4" Hilti stainless steel sleeve anchor, 1 1/8" min embed depth.
- F9—1/4"-20 x 3/4" stainless steel thread cutting screw.
- F10—1/4"-20 x 1" lg stainless steel indented hex head thread cutting screw.
- F11—1/4"-20 x 1" lg 410 stainless steel indented hex head thread cutting screw.

**CLIP INDEX**

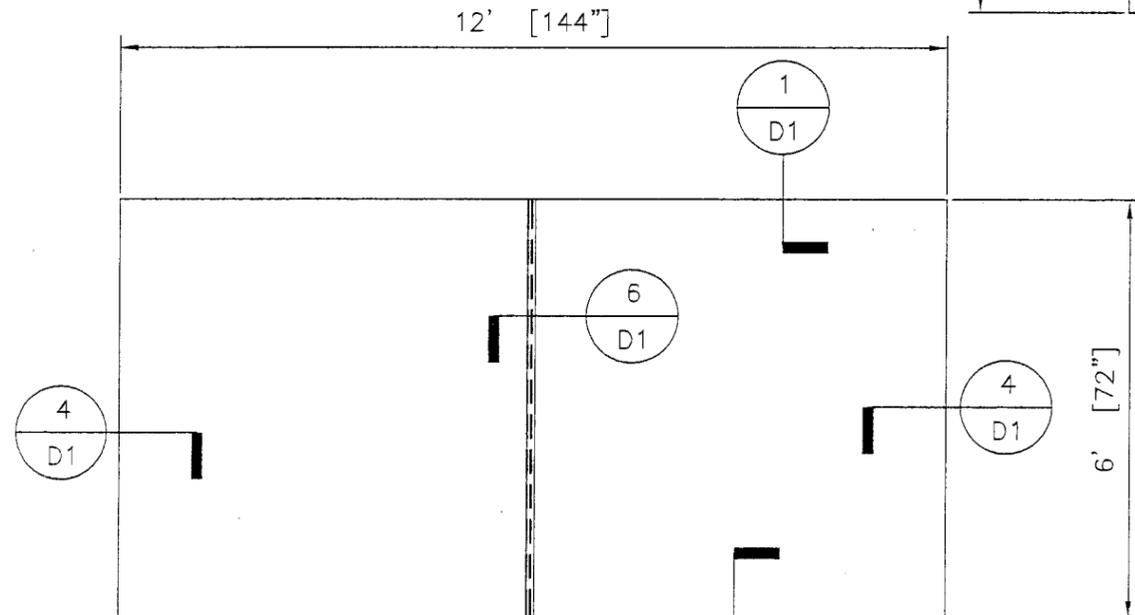
- C1—1 1/4" x 1 1/2" x 1 1/2" long 0.125 aluminum clip angle, alloy 6105-T5, natural mill.
- C2—1 1/4" x 1 1/2" continuous 0.125 aluminum angle, alloy 6105-T6, natural mill.
- C12—4" x 6" x 5" long 5/16" steel clip angle, primecoat, shipped loose.
- C13—4" x 6" x 12" long 5/16" steel clip angle, primecoat, shipped loose.
- C16—2" x 2" continuous 8 ga aluminum angle, alloy 6061-T5, natural mill.
- C17—1 1/4" x 1 1/2" continuous 8 ga aluminum angle, alloy 6105-T5, natural mill.

**FINISH SCHEDULE**

◆ KYNAR 500 (SPECIFY COLOR)

**MISCELLANEOUS INDEX**

- M4—Shims as required, not by Airalite.
- M10—2" x .087" extruded aluminum "I" beam, alloy 6061-T6, PART# 125430



**2 LOUVER ELEV.**  
 ITEM LONG LOUVER LAYOUT

**1 LOUVER ELEV.**  
 ITEM SHORT LOUVER LAYOUT

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 06-0602-01  
 Expiration Date July 6, 2008  
 By [Signature]  
 Miami Dade Product Control Division

**L. DAVID RICE**  
 DEC 06 2006

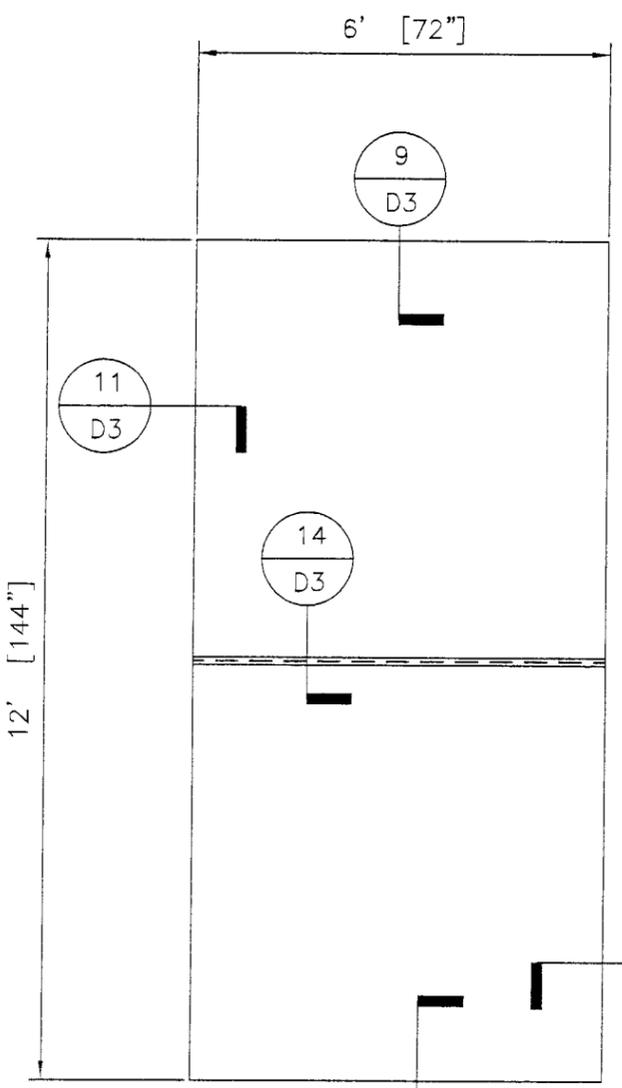
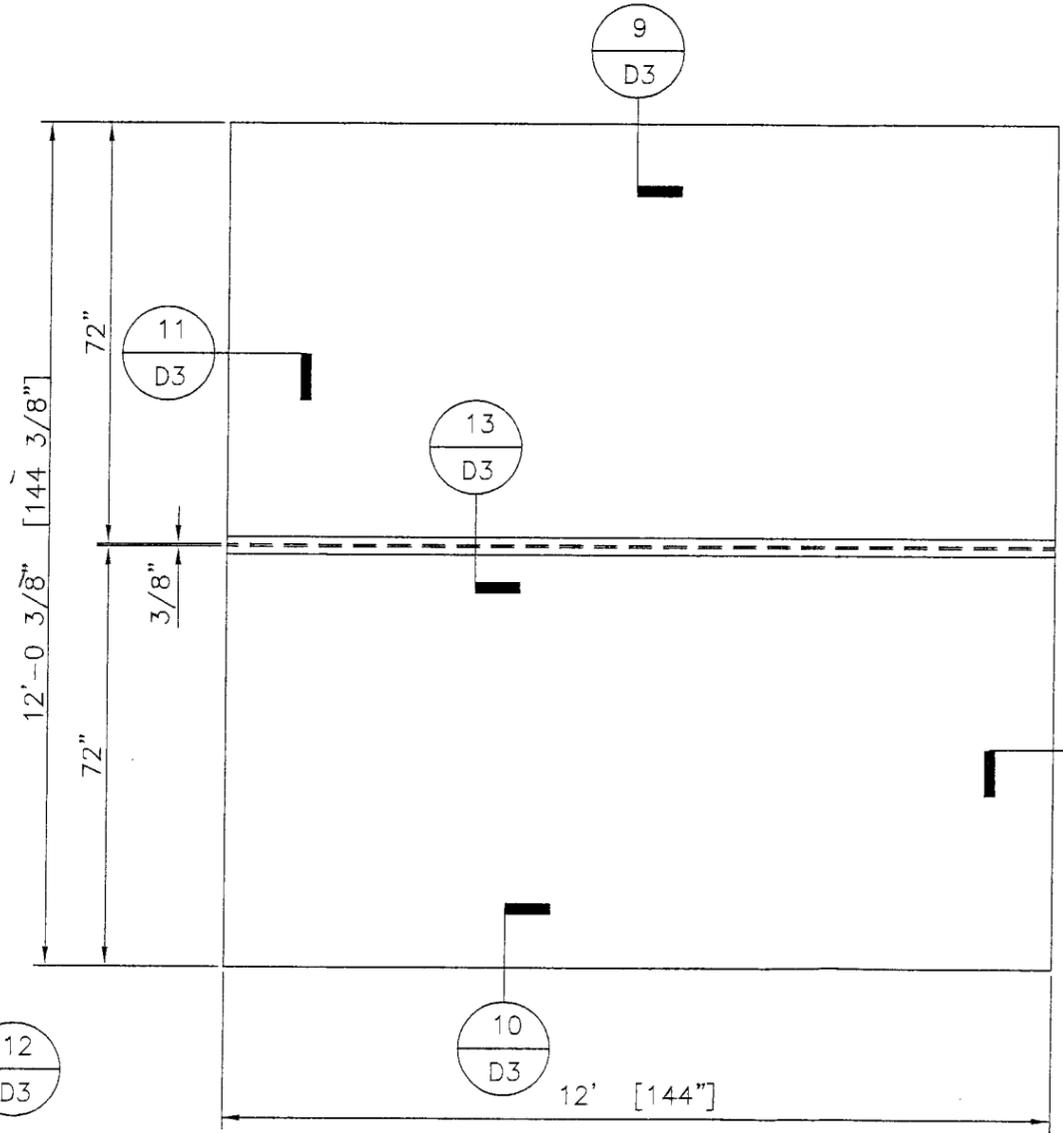
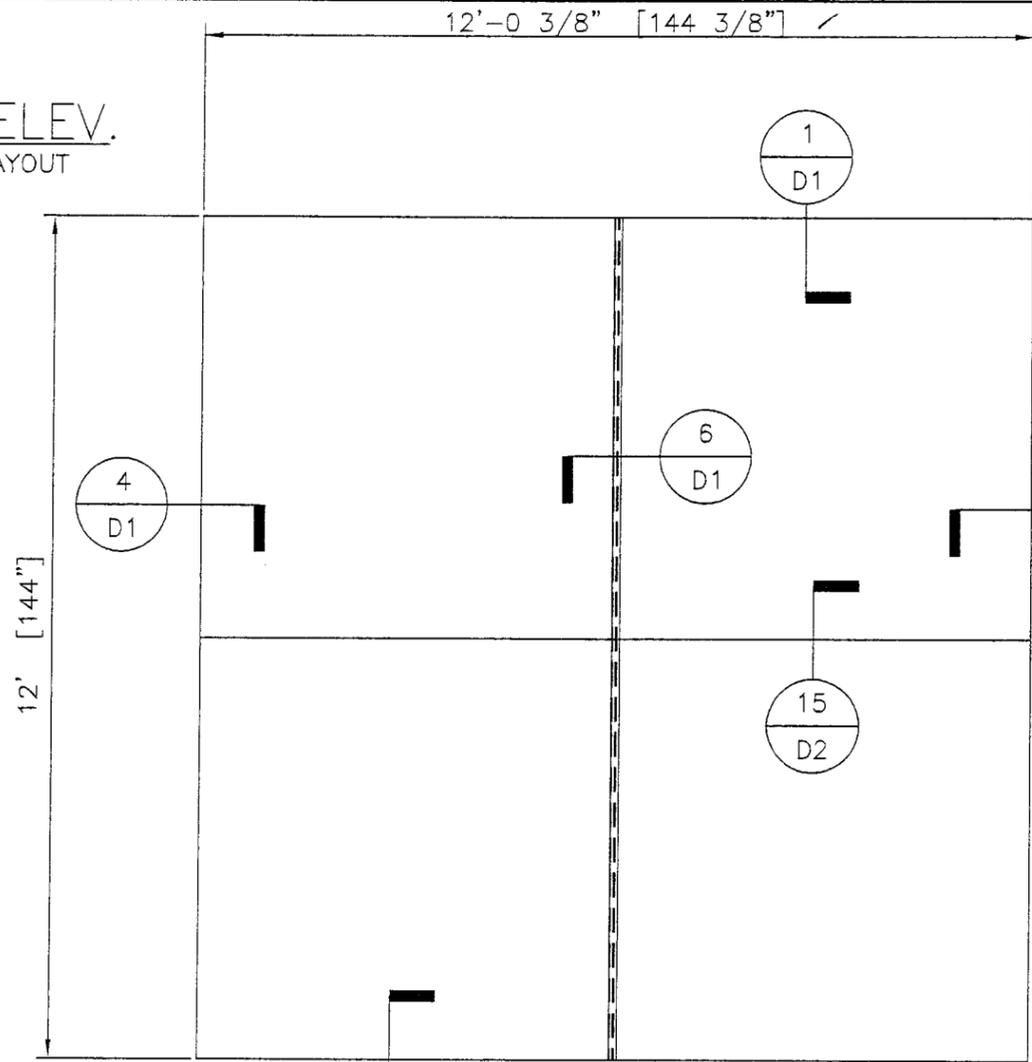
REVISION OR ISSUE	DESCRIPTION	DATE	BY
11	ADDED DETAILS FOR STUD & TUBE ATTACHMENTS	09/26/06	DWH
10	ADDED VERTICAL LOUVER ELEVATION & DETAILS	03/30/06	DJY
9	ENLARGED PD TEXT & REMOVED PROP. BLOCK	10/13/05	AK
8	ADDED NEW LOGO	8/4/06	BRS
7	ADDED NOTE 5	5/19/03	JDM
6	ADDED REQUESTED NOTES	5-22-00	BDM
5	ADDED REQUESTED NOTES	4-14-00	BDM
4	CLARIFIED DRAWING	04/13/99	JLC
3	CLARIFIED DRAWING	04/07/99	JLC
2	CLARIFIED DRAWING	03/25/99	JLC
1	CLARIFIED DRAWING	02/11/99	JLC



DRAWING TITLE: ELEVATIONS K605 METRO DADE LOUVERS		ORDER NO.	DRAWING NO.
PROJECT:			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
CUSTOMER PO#:			
SALES REP:			
DATE: 11/09/98	SPEC. SECTION:		
B-SIZE SCALE: NONE	DWN BY: JLC		A1
D-SIZE SCALE: NONE	CHK'D BY:		1 OF 5

ABBREVIATIONS  
 NBK.....NOT BY AIROLITE  
 LW.....LOUVER WIDTH  
 LH.....LOUVER HEIGHT  
 GW.....GRILLE WIDTH  
 GH.....GRILLE HEIGHT  
 SW.....SECTION WIDTH  
 SH.....SECTION HEIGHT  
 E.....ELEVATION  
 C.....COLUMN LINE  
 RC.....ROUGH OPENING

5 LOUVER ELEV.  
ITEM SHORT LOUVER LAYOUT



3 LOUVER ELEV.  
ITEM TALL LOUVER LAYOUT  
VERTICAL BLADES

4 LOUVER ELEV.  
ITEM SHORT LOUVER LAYOUT  
VERTICAL BLADES

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 06-0602-01  
Expiration Date July 6, 2008  
By [Signature]  
Miami Dade Product Control  
Division

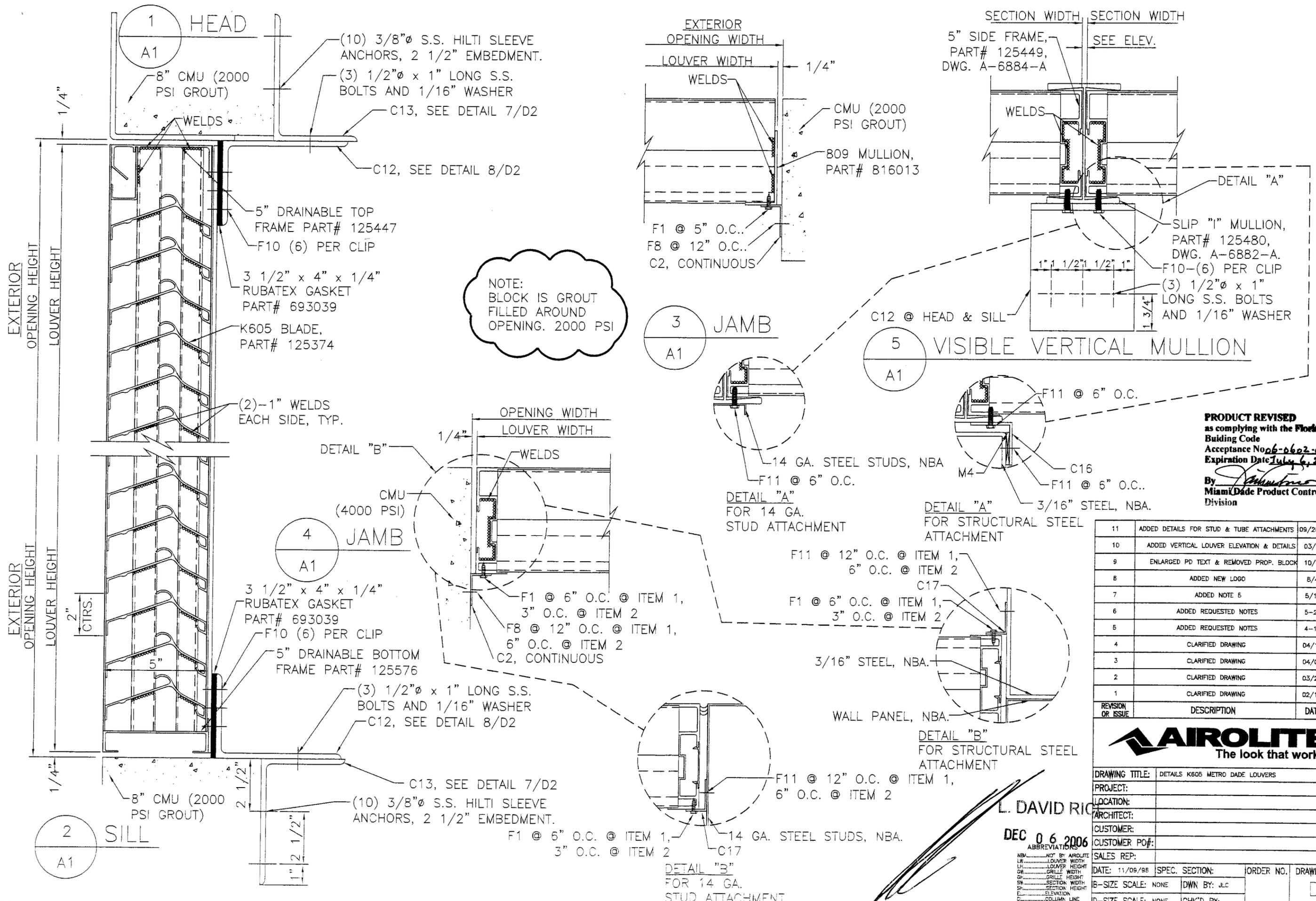
REVISION OR ISSUE	DESCRIPTION	DATE	BY
11	ADDED DETAILS FOR STUD & TUBE ATTACHMENTS	09/26/06	DMH
10	ADDED VERTICAL LOUVER ELEVATION & DETAILS	03/30/06	DJY
9	ENLARGED PD TEXT & REMOVED PROP. BLOCK	10/13/05	AK
8	ADDED NEW LOGO	8/4/05	BRS
7	ADDED NOTE 5	5/19/03	JDM
6	ADDED REQUESTED NOTES	5-22-00	BDW
5	ADDED REQUESTED NOTES	4-14-00	BDW
4	CLARIFIED DRAWING	04/13/99	JLC
3	CLARIFIED DRAWING	04/07/99	JLC
2	CLARIFIED DRAWING	03/25/99	JLC
1	CLARIFIED DRAWING	02/11/99	JLC

L. DAVID RICE **AIROLITE**  
The look that works.™

DRAWING TITLE: ELEVATIONS K605 METRO DADE LOUVERS		DATE: 11/05/98	SPEC. SECTION:	ORDER NO.	DRAWING NO.
PROJECT:		B-SIZE SCALE: NONE		IDWN BY: JLC	
LOCATION:		D-SIZE SCALE: NONE		CHK'D BY:	
ARCHITECT:				A2	
CUSTOMER:				2 OF 5	
CUSTOMER PO#:					
SALES REP:					

ABBREVIATIONS  
 NBA.....NOT BY AIROLITE  
 LW.....LOUVER WIDTH  
 LH.....LOUVER HEIGHT  
 GW.....GRILLE WIDTH  
 GH.....GRILLE HEIGHT  
 SW.....SECTION WIDTH  
 SH.....SECTION HEIGHT  
 E.....ELEVATION  
 CL.....COLUMN LINE  
 RC.....ROUGH OPENING

*[Handwritten signature]*  
DEC 06 2006



**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 06-0602-01  
Expiration Date July 6, 2008  
By: *[Signature]*  
Miami Dade Product Control Division

REVISION OR ISSUE	DESCRIPTION	DATE	BY
11	ADDED DETAILS FOR STUD & TUBE ATTACHMENTS	09/26/06	DMH
10	ADDED VERTICAL LOUVER ELEVATION & DETAILS	03/30/06	DJY
9	ENLARGED PD TEXT & REMOVED PROP. BLOCK	10/13/06	AK
8	ADDED NEW LOGO	8/4/05	BRS
7	ADDED NOTE 5	5/19/05	JDM
6	ADDED REQUESTED NOTES	5-22-00	BDM
5	ADDED REQUESTED NOTES	4-14-00	BDM
4	CLARIFIED DRAWING	04/13/99	JLC
3	CLARIFIED DRAWING	04/07/99	JLC
2	CLARIFIED DRAWING	03/25/99	JLC
1	CLARIFIED DRAWING	02/11/99	JLC

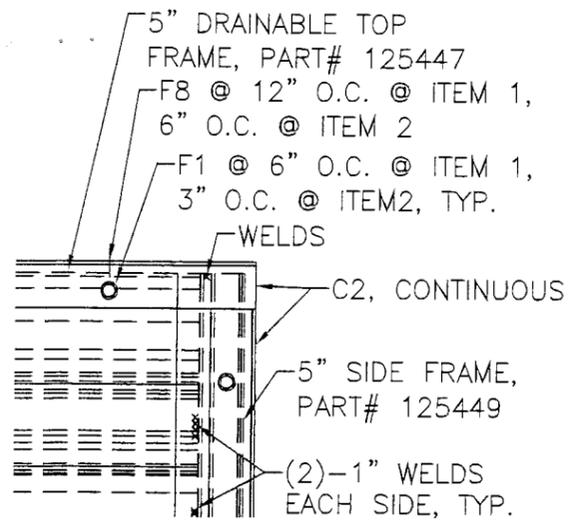


DRAWING TITLE: DETAILS K605 METRO DADE LOUVERS			
PROJECT:			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
CUSTOMER PO#:			
SALES REP:			
DATE: 11/09/98	SPEC. SECTION:	ORDER NO.	DRAWING NO.
B-SIZE SCALE: NONE	DWN BY: JLC		D1
D-SIZE SCALE: NONE	CHK'D BY:		3 OF 5

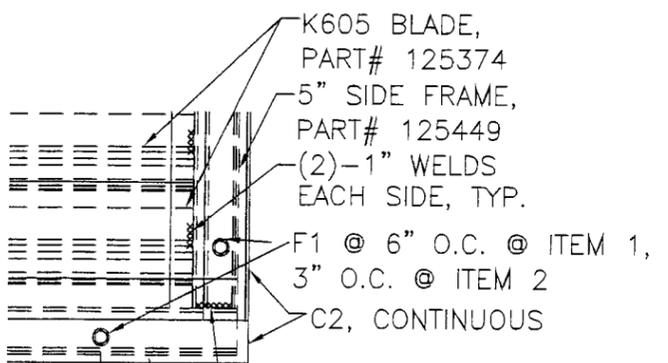
L. DAVID RIC  
DEC 06 2006

ABBREVIATIONS  
NB.....NOT BY AIROLITE  
LW.....LOUVER WIDTH  
LH.....LOUVER HEIGHT  
GW.....GRILLE WIDTH  
GH.....GRILLE HEIGHT  
SW.....SECTION WIDTH  
SH.....SECTION HEIGHT  
E.....ELEVATION  
CL.....COLUMN LINE  
RC.....ROUGH OPENING

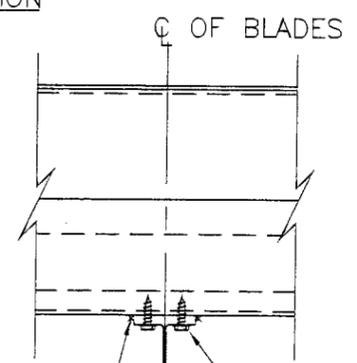
COPYRIGHT 2006, THE AIROLITE COMPANY, LLC



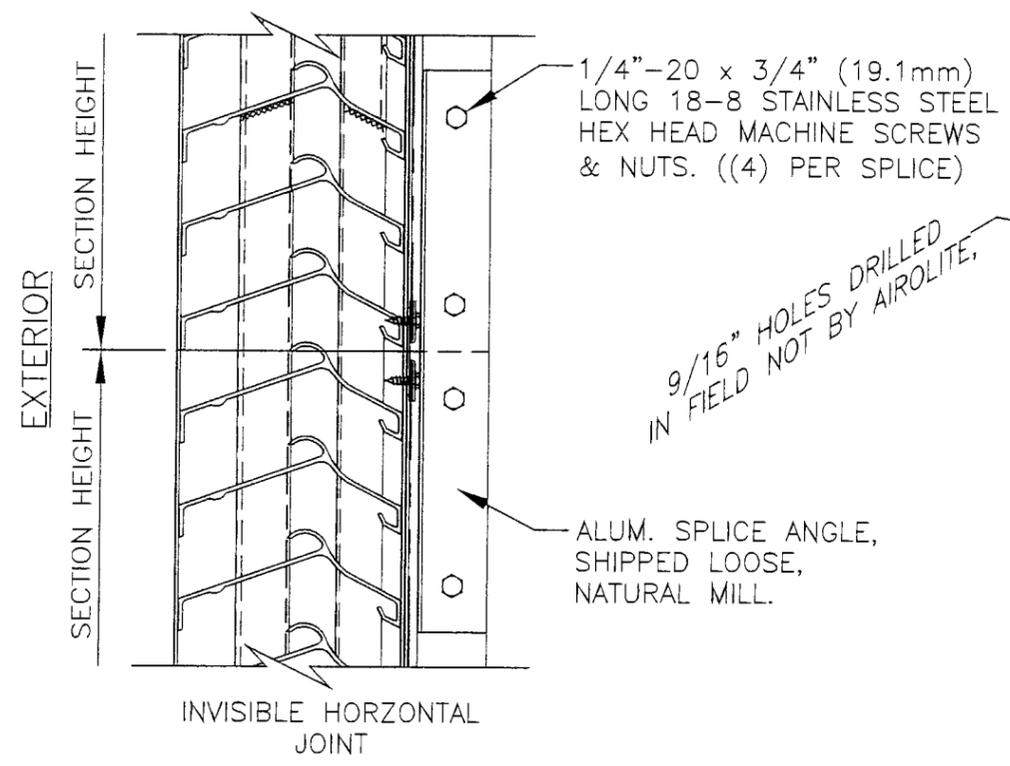
INTERIOR HEAD & JAMB CONNECTION



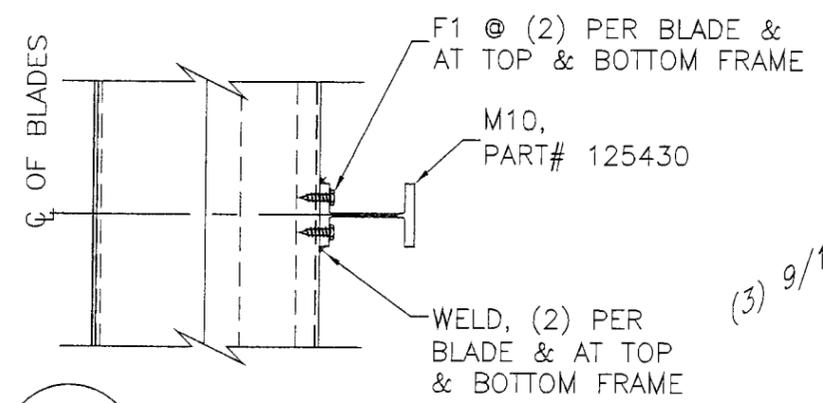
INTERIOR SILL & JAMB CONNECTION



6 TEE STIFFENER HORIZONTAL A1

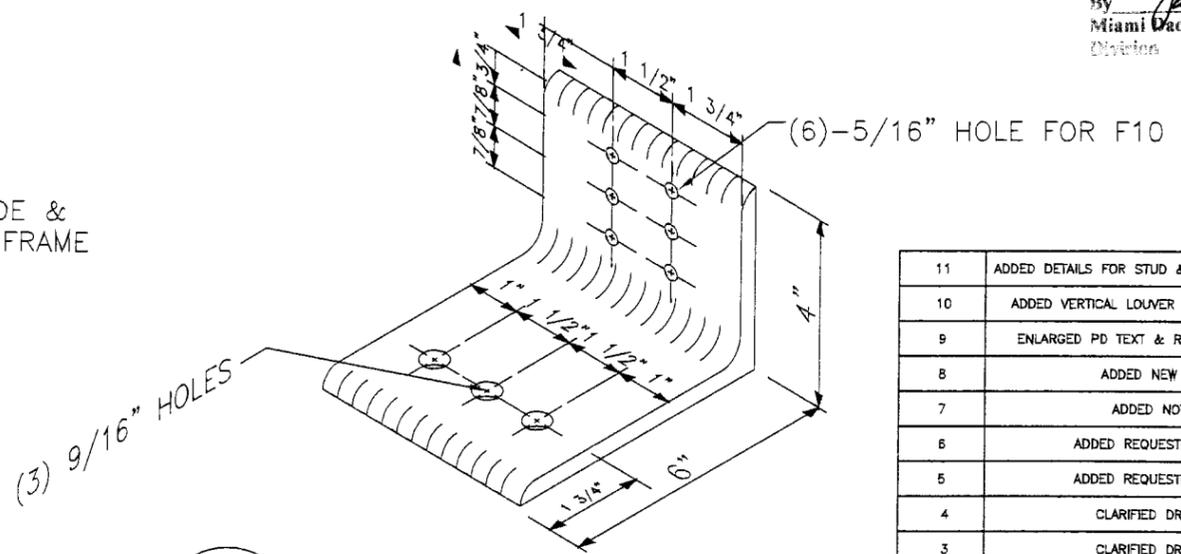


15 HORIZONTAL JOINT A2



14 TEE STIFFENER VERTICAL A2

7 C13-ISOMETRIC D1  
 4" x 6" x 12" LG. 5/16" STEEL ANGLE PRIME COAT, SHIPPED LOOSE PART# 600758



8 C12-ISOMETRIC D1  
 4" x 6" x 5" LG. 5/16" STEEL ANGLE PRIME COAT, SHIPPED LOOSE PART# 600757

L. DAVID RICE  
 DEC 06 2006  
 ALL-WELDED ASSEMBLY

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 06-0602-01  
 Expiration Date July 6, 2008  
 By *[Signature]*  
 Miami Dade Product Control Division

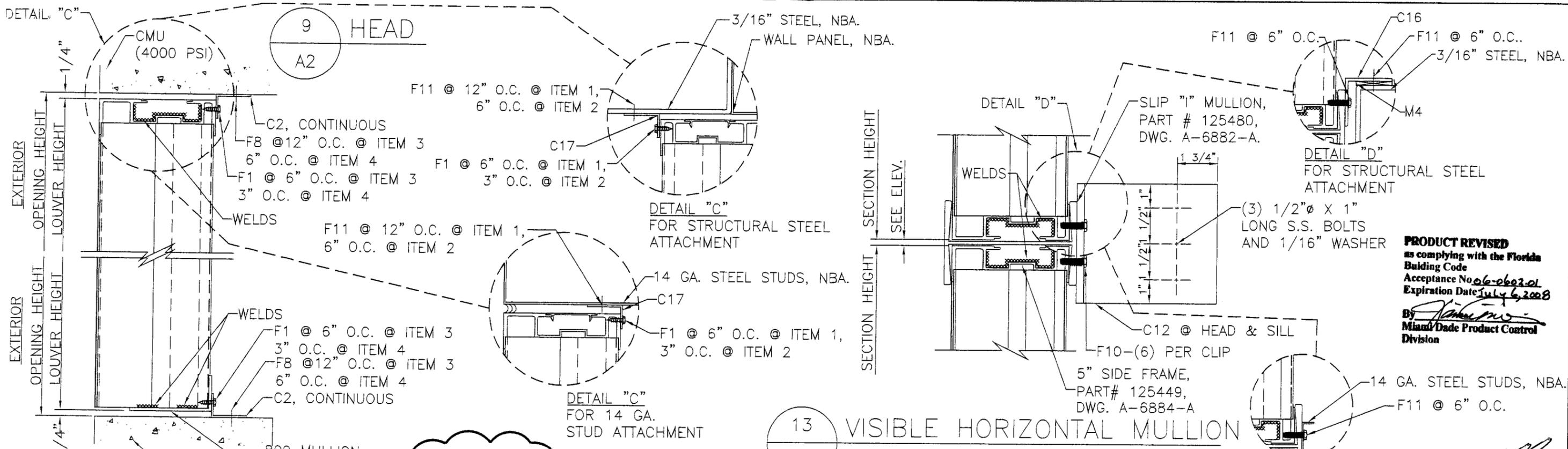
REVISION OR ISSUE	DESCRIPTION	DATE	BY
11	ADDED DETAILS FOR STUD & TUBE ATTACHMENTS	09/26/06	DMH
10	ADDED VERTICAL LOUVER ELEVATION & DETAILS	03/30/06	DJY
9	ENLARGED PD TEXT & REMOVED PROP. BLOCK	10/13/05	AK
8	ADDED NEW LOGO	8/4/05	BRS
7	ADDED NOTE 5	5/19/03	JDM
6	ADDED REQUESTED NOTES	6-22-00	BDW
5	ADDED REQUESTED NOTES	4-14-00	BDW
4	CLARIFIED DRAWING	04/13/99	JLC
3	CLARIFIED DRAWING	04/07/99	JLC
2	CLARIFIED DRAWING	03/25/99	JLC
1	CLARIFIED DRAWING	02/11/99	JLC



DRAWING TITLE: DETAILS K605 METRO DADE LOUVERS			
PROJECT:			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
CUSTOMER PO#:			
SALES REP:			
DATE: 11/09/98	SPEC. SECTION:	ORDER NO.	DRAWING NO.
B-SIZE SCALE: NONE	DWN BY: JLC		D2
D-SIZE SCALE: NONE	CHK'D BY:		4 OF 5

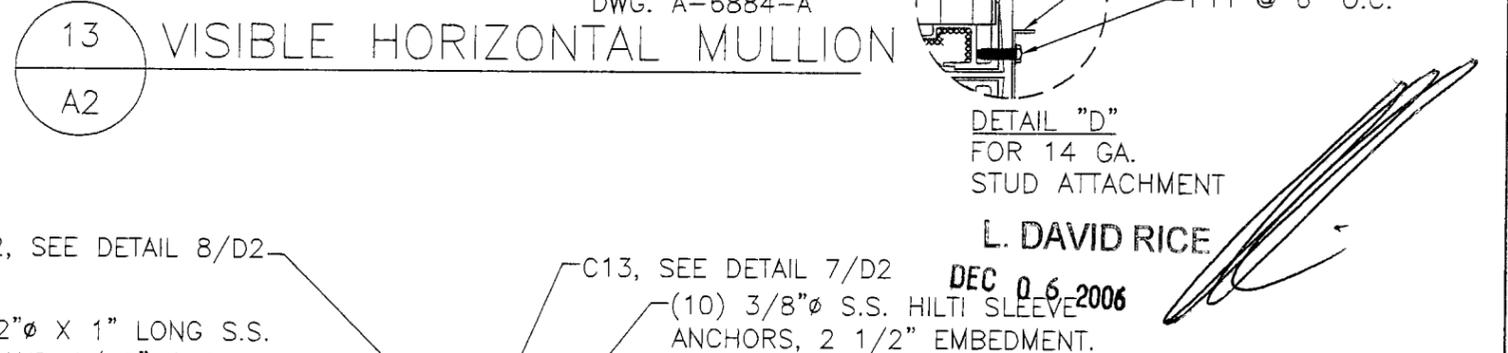
ABBREVIATIONS  
 NB: NOT BY AIROLITE  
 LB: LOUVER WIDTH  
 LH: LOUVER HEIGHT  
 LW: LOUVER WIDTH  
 GW: GRILLE WIDTH  
 GH: GRILLE HEIGHT  
 SW: SECTION WIDTH  
 SH: SECTION HEIGHT  
 E: ELEVATION  
 CL: COLUMN LINE  
 RC: ROUGH OPENING

COPYRIGHT 2005, THE AIROLITE COMPANY, LLC



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 06-0602-01  
 Expiration Date July 6, 2008  
 By *[Signature]*  
 Miami Dade Product Control  
 Division

NOTE:  
 BLOCK IS GROUT  
 FILLED AROUND  
 OPENING. 2000 PSI



**L. DAVID RICE**  
 DEC 06 2006

REVISION OR ISSUE	DESCRIPTION	DATE	BY
11	ADDED DETAILS FOR STUD & TUBE ATTACHMENTS	09/26/06	DMH
10	ADDED VERTICAL LOUVER ELEVATION & DETAILS	03/30/06	DJY
9	ENLARGED PD TEXT & REMOVED PROP. BLOCK	10/13/05	AK
8	ADDED NEW LOGO	8/4/05	BRS
7	ADDED NOTE 5	5/19/03	JDW
6	ADDED REQUESTED NOTES	5-22-00	BDM
5	ADDED REQUESTED NOTES	4-14-00	BDM
4	CLARIFIED DRAWING	04/13/98	JLC
3	CLARIFIED DRAWING	04/07/98	JLC
2	CLARIFIED DRAWING	03/25/98	JLC
1	CLARIFIED DRAWING	02/11/98	JLC

**AIROLITE**  
 The look that works™

DRAWING TITLE: DETAILS K605 METRO DADE LOUVERS  
 PROJECT:  
 LOCATION:  
 ARCHITECT:  
 CUSTOMER:  
 CUSTOMER PO#:  
 SALES REP:  
 DATE: 11/09/98 SPEC. SECTION: ORDER NO. DRAWING NO.  
 B-SIZE SCALE: NONE DWN BY: JLC  
 D-SIZE SCALE: NONE CHK'D BY: D3

ABBREVIATIONS  
 NBA.....NOT BY AIROLITE  
 LW.....LOUVER WIDTH  
 LH.....LOUVER HEIGHT  
 OW.....OPENING WIDTH  
 GR.....GRILLE WIDTH  
 GH.....GRILLE HEIGHT  
 SW.....SECTION WIDTH  
 SH.....SECTION HEIGHT  
 E.....ELEVATION  
 CL.....COLUMN LINE  
 RO.....ROUGH OPENING

COPYRIGHT 2005, THE AIROLITE COMPANY, LLC