



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

All-Lite Louver Co.- Division of PCI Industries
5101 Blue Mound Road
Fort Worth, TX 76106

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 EFD-637-MD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **DC-C1, E1 and D1 to D6**, titled "Dade County", dated 05/21/03, with last revision B dated 01/12/04, prepared by All-Lite Louver Co., signed and sealed by Frank A. Cleaton, Jr., P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance 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:

All-Lite Louvers	All-Lite Louvers	All-Lite Louvers
44 Sam's Creek Road	700 S Vail	5101 Blue Mound Road
Mineral Wells, WV 26150	Montebello, CA 90640	Forth Worth, TX 76106

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 **renews NOA # 03-0925.05** and 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]
3/16/09

NOA No. 09-0212.08
Expiration Date: February 19, 2014
Approval Date: April 8, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **DC-C1, E1 and D1 to D6**, titled "Dade County", dated 05/21/03, with last revision B dated 01/12/04, prepared by All-Lite Louver Co., signed and sealed by Frank A. Cleaton, Jr., P.E.
"Submitted under NOA # 03-0925.05"

B. TESTS

1. Test report on Large Missile Impact Test per PA 201, Test, Cyclic Wind Pressure Test per PA 203, Test and Uniform Static Air Pressure Test per PA 202 of "Model 637-EDT-HD Louver", prepared by Architectural Testing Inc, Report No. **01-40871.01**, dated 09/11/02, signed and sealed by A. N. Reeves, P.E.
2. Clarification letter issued by Architectural Testing Inc, on 05/27/03, signed by J. A. Reed, P.E.
"Submitted under NOA # 03-0925.05"

C. CALCULATIONS

1. Structural Analysis prepared by All-Lite Division, dated 08/08/02, pages 1 to 16, signed and sealed by Chander P. Nangia, P.E.
"Submitted under NOA # 03-0925.05"

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Still in business letter issued by Davis & Cleaton Engineering, Inc., dated 02/05/09, signed by Frank A. Cleaton, Jr., P.E.
2. No change letter issued by All-Lite Louver Co., dated 02/06/09, signed by Brian Redford.
3. Test compliance letter issued by Architectural Testing, Inc., on 09/12/02, signed and sealed by A. N. Reeves, P.E.
"Submitted under NOA # 03-0925.05"

G. OTHER

1. Notice of Acceptance issued to All-Lite Louver Co.- Division of PCI Industries, approved on 02/19/04 and expiring on 02/19/09.


3/16/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0212.08
Expiration Date: February 19, 2014
Approval Date: April 8, 2009

INSTALLER MUST READ

A "BOLT" IS DEFINED FOR THIS DISCUSSION AS A THREADED FASTENER DESIGNED SO THAT IT IS INTENDED TO BE USED WITH A NUT. A BOLT IS TIGHTENED BY EXERTING TORQUE ON THE NUT.

THE IDEAL BOLT LENGTH IS ONE IN WHICH ONLY ONE OR TWO THREADS PROJECT FROM THE NUT AFTER IT IS TIGHTENED. ADDITIONAL THREADS MAY PROTRUDE FROM THE NUT, BUT NO LESS THAN ONE COMPLETE THREAD SHOULD BE ALLOWED.

BOLT HOLES MAY HAVE SHARP BURRS OR EDGES AFTER DRILLING. THESE COULD BITE INTO THE FILLET AND INCREASE STRESS CONCENTRATION. THEREFORE, WASHERS ARE ALWAYS USED UNDER THE BOLT HEAD TO PREVENT THIS. THESE WASHERS ARE MADE OF HARDENED STEEL OR STAINLESS STEEL AND THE INSTALLER MUST TAKE CARE TO LOAD THEM ONTO THE BOLT SO THAT THE ROUNDED EDGE OF THE STAMPED HOLE FACES THE WASHER FACE OF THE BOLT.

SIMILARLY, WASHERS ARE USED UNDER EACH NUT.

IF AT ALL POSSIBLE, WHEN TIGHTENING, THE INSTALLER SHOULD HOLD THE BOLT HEAD STATIONARY AND TWIST THE NUT. IN THIS WAY, THE BOLT SHANK WILL NOT FEEL THE THREAD-FRICTION TORQUE.

THE MATERIAL OF THE NUT IS CAREFULLY SELECTED TO MATCH THAT OF THE BOLT. TYPICALLY, THE BOLT MATERIAL WILL BE SELECTED TO BE STRONG AND TOUGH, AND THE MATING NUT MATERIAL WILL BE SELECTED TO BE SOFT AND DUCTILE.

SINCE PROPERLY SELECTED NUTS YIELD SLIGHTLY TO PROPERLY DISTRIBUTE THE LOAD OVER THE FIRST FEW THREADS, NUTS CAN ONLY BE USED ONCE. ALL INSTALLERS MUST VISUALLY INSPECT EACH NUT THEY ARE ABOUT TO INSTALL FOR ANY POSSIBLE SIGN THAT IT MAY HAVE BEEN USED BEFORE.

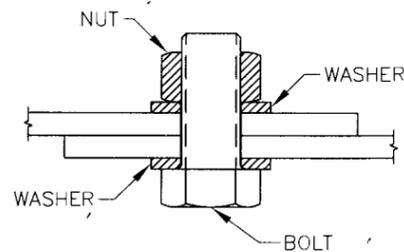
IF THERE ARE ANY SIGNS ON THE OUTSIDE THAT A WRENCH HAS SCRATCHED OR NICKED THE CORNERS - DISCARD IT.

IF EITHER OF THE FLAT ENDS OF THE NUT SHOW ANY RUB MARKS - DISCARD IT.

IF THE NUT THREADS SHOW ANY RUB MARKS OR NICKS - DISCARD IT.

THE INSTALLER IS ALSO RESPONSIBLE FOR PERFORMING A VISUAL INSPECTION OF EACH BOLT HE/SHE IS ABOUT TO INSTALL. BOLTS WITH NICKS, BURRS, AND OTHER THREAD IRREGULARITIES - MUST BE DISCARDED, SINCE THEY ARE LIKELY TO CAUSE STRESS CONCENTRATIONS.

IF PRELOAD TORQUE IS SPECIFIED, THEN THE TORQUE MUST BE CHECKED BY USING A TORQUE WRENCH IN THE FIELD. IF PRELOAD IS NOT PROPERLY INSTALLED AND CHECKED, THEN ALL-LITE LOUVERS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF THE BOLTS.



NOTES:

- ELEVATIONS ARE VIEWED FROM THE EXTERIOR.
- THE ANALYSIS OF FASTENERS AND ANCHORS IS IDENTIFIED IN SECTION III OF THE STRUCTURAL REPORT.
- UNIT OF MEASURE IS IN FRACTIONAL INCHES.

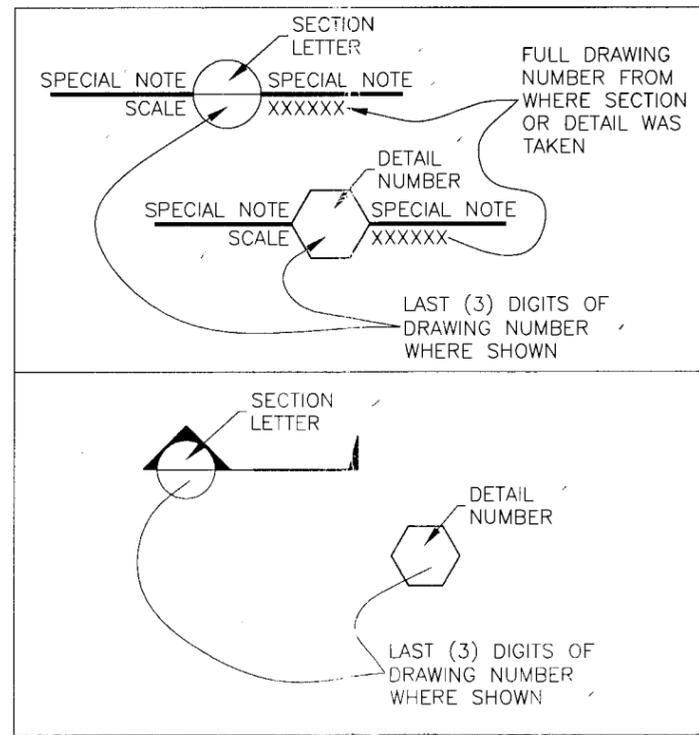
SECTION SIZE LIMITS	
MAXIMUM	MINIMUM
WIDTH: 47 3/4"	WIDTH: 12"
HEIGHT: 143 1/2"	HEIGHT: 12"
MAX DESIGN PRESSURE: ±80 PSF	

PERFORMANCE DATA		
The data below supercedes all previously published data.		
VARIABLE	VALUE	DESCRIPTION
Measured Free Area	9.50 ft ² 48"x48"	
	0.88 m ² 122cmx122cm	
Free Area %	59.38 %	Measured Free Area/16ft ²
Air Velocity	990.00 fpm @ Beginning Point Of H ₂ O Penetration	
	301.75 mpm	
Volumetric Air Flow	9,405.00 cfm @ 0.01 oz./ft. ² Free Area	
	4.44 cms	
Pressure Drop	0.11 In. of H ₂ O @ 0.01 oz./ft. ² Free Area	
	27.37 pascals	
Air Velocity	1,150.00 fpm @ Pressure Drop Of: 0.15" H ₂ O	
	350.52 mpm	37 pascals
Volumetric Air Flow	10,925.00 cfm @ Pressure Drop Of: 0.15" H ₂ O	
	5.16 cms	
amca CERTIFIED RATINGS	ALL-LITE LOUVERS certifies that louver model 637-EFD-MD is licensed by the Air Movement and Control Association (AMCA). ALL-LITE LOUVERS certifies that the performance ratings shown were developed in accordance with the requirements of AMCA test method 500L and the AMCA 511-99 program. ALL-LITE further certifies that the product to be provided performs within the tolerance allowed by this program.	
WATER PENETRATION		
AIR PERFORMANCE		
AIR MOVEMENT AND CONTROL ASSOCIATION, INC.		
MATERIAL: FRAME	- 0.125" (3.175mm) 6063-T5 EXTRUDED ALUMINUM	
BLADE	- 0.081" (2.057mm) 6063-T5 EXTRUDED ALUMINUM	

DAVIS & CLAYTON ENGINEERING, INC.
100 W. WISCONSIN AVE., SUITE #104
DELAND, FLORIDA 32709
386-738-7475

For review in compliance with the Florida Building Code
Date: 02/19/04
03-0725/05
Mineral Wells Product Control
By: [Signature]

PRODUCT RENEWED
in compliance with the Florida Building Code
Acceptance No: 07-0212-08
Expiration Date: 02/19/2014
By: [Signature]
Mineral Wells Product Control



SECTION AND DETAIL NOTATION

[Handwritten signature and date] 1/16/04

FILE: C:\JOBS\WATERMAN\DADE COUNTY REV B			
B	MADE CHG'S PER 12/31/03 LETTER	1/12/04	DSR
A	CHG'D TO TEST UNIT	7/24/03	DSR
REV. NO.	DESCRIPTION	DATE	DRAWN BY
100 Sams Creek Road Mineral Wells, West Virginia 26150 E-mail: all-lite@alllite-louvers.com Web Address: www.alllite-louvers.com Phone: 304-489-8113 Fax: 304-489-8117			
DRAWING DESC.: COVER PAGE			
PROJECT: DADE COUNTY			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.
SCALE: NONE	SHEET: 1 of 8		DRAWING NO. DC-C1

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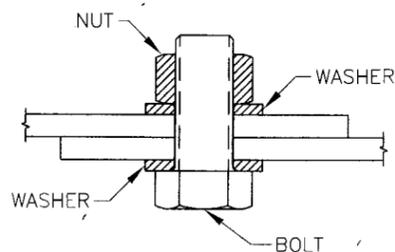
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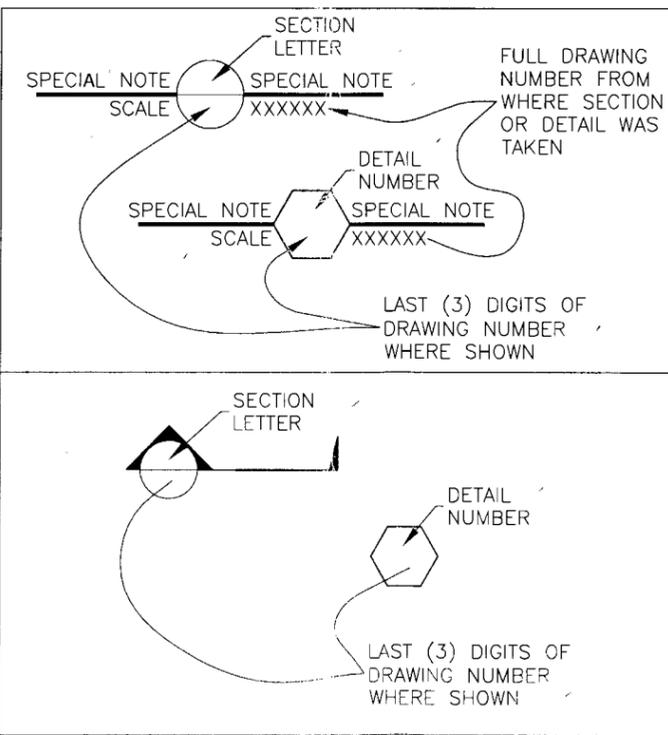
SECTION SIZE LIMITS	
MAXIMUM	MINIMUM
WIDTH: 47 3/4"	WIDTH: 12"
HEIGHT: 143 1/2"	HEIGHT: 12"
MAX DESIGN PRESSURE: ±80 PSF	

PERFORMANCE DATA		
The data below supercedes all previously published data.		
VARIABLE	VALUE	DESCRIPTION
Measured Free Area	9.50 ft ² 48"x48" 0.88 m ² 122cmx122cm	
Free Area %	59.38 %	Measured Free Area/16ft ²
Air Velocity	990.00 fpm @ Beginning Point Of H ₂ O Penetration 301.75 mpm	
Volumetric Air Flow	9,405.00 cfm @ 0.01 oz./ft. ² Free Area 4.44 cms	
Pressure Drop	0.11 In. of H ₂ O @ 0.01 oz./ft. ² Free Area 27.37 pascals	
Air Velocity	1,150.00 fpm @ Pressure Drop Of: 0.15" H ₂ O 350.52 mpm	37 pascals
Volumetric Air Flow	10,925.00 cfm @ Pressure Drop Of: 0.15" H ₂ O 5.16 cms	
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MATERIAL: FRAME - 0.125" (3.175mm) 6063-T5 EXTRUDED ALUMINUM BLADE - 0.081" (2.057mm) 6063-T5 EXTRUDED ALUMINUM		

DAVE & CLAYTON ENGINEERING, INC.
 103 W. WISCONSIN AVE., SUITE #104
 DELAND, FLORIDA 32701
 386-738-7075

Approved in compliance with the
 Florida Building Code
 Date: 02/19/04
 P.O. No: 03-0725-05
 Division: Product Control
 By: [Signature]

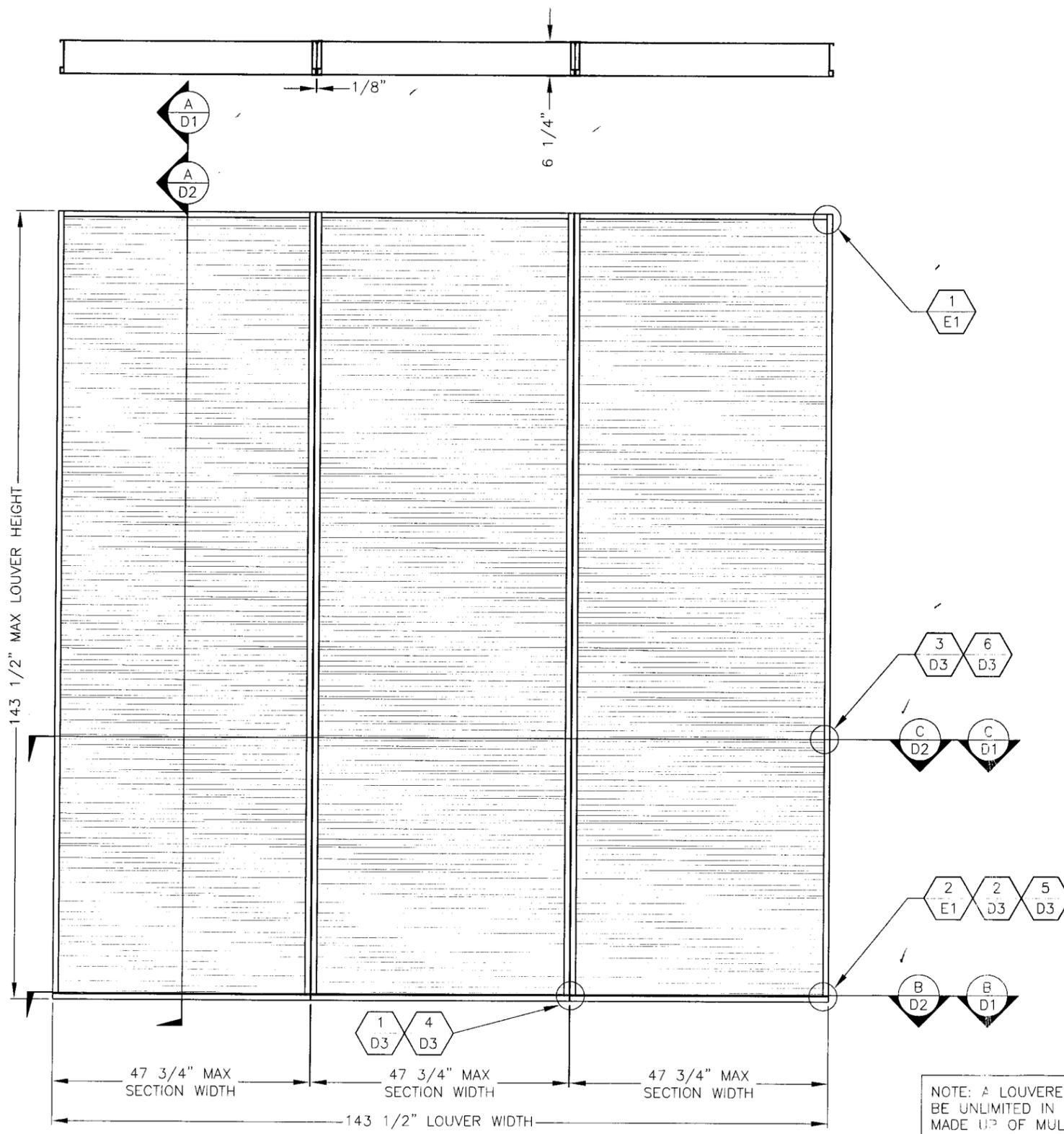
PRODUCT RENEWED
 on complying with the Florida
 Building Code:
 Acceptance No: 07-0212-08
 Expiration Date: 02/19/2014
 By: [Signature]
 Division: Product Control



[Handwritten signature]
 1/16/04

SECTION AND DETAIL NOTATION

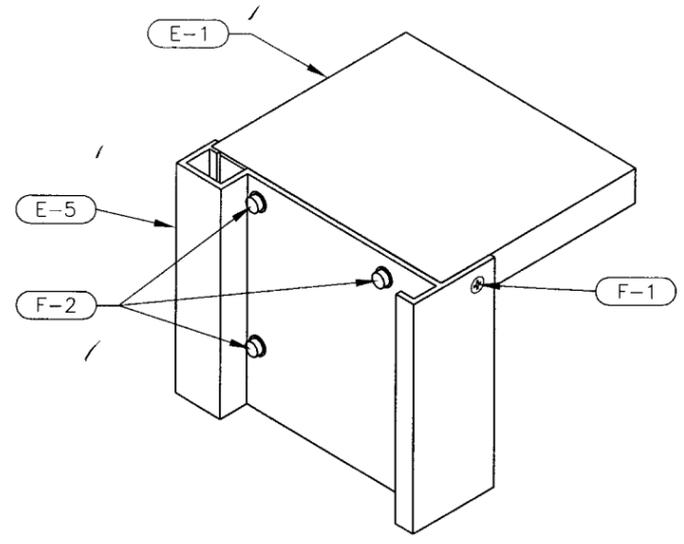
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A	CHG'D TO TEST UNIT	7/24/03	DSR
REV. NO.	DESCRIPTION	DATE	DRAWN BY
 ARCHITECTURAL PRODUCTS ALL-LITE LOUVERS 100 Sams Creek Road Mineral Wells, West Virginia 26150 E-mail: all-lite@allite-louvers.com Web Address: www.allite-louvers.com Phone: 304-489-8113 Fax: 304-489-8117			
DRAWING DESC.: COVER PAGE			
PROJECT: DADE COUNTY			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.
SCALE: NONE	SHEET: 1 of 8		DRAWING NO. DC-C1



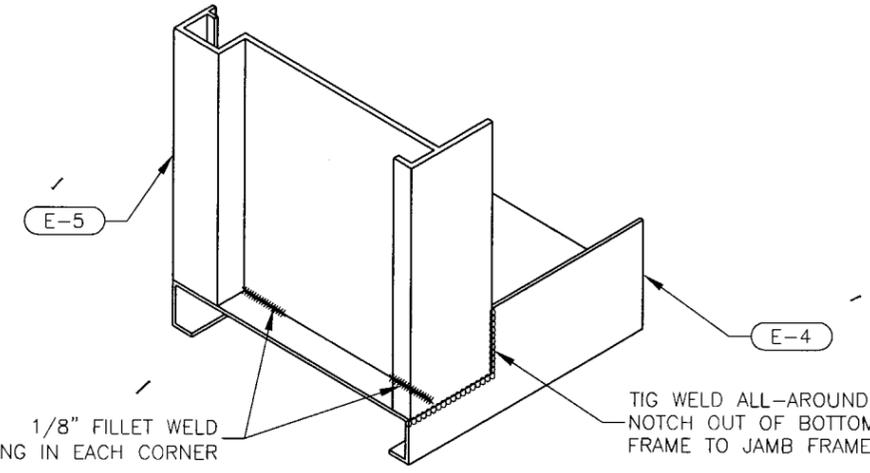
EXTERIOR ELEVATION

SCALE: 1/2"=1'

NOTE: A LOUVERED OPENING MAY BE UNLIMITED IN WIDTH, BEING MADE UP OF MULTIPLE SECTIONS, PROVIDED THAT EACH SECTION DOES NOT EXCEED 47 3/4" IN WIDTH AND 143 1/2" IN HEIGHT.



LOUVER CORNER DETAIL (TYP BOTH ENDS) 1 JAMB TOP, HEAD, AND DRIP CONNECTION
3"=1' E1 E1



LOUVER CORNER DETAIL (TYP BOTH ENDS) 2 JAMB BOTTOM AND SILL CONNECTION
3"=1' E1 E1

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 07-0212.03 Expiration Date 02/15/2014 By *[Signature]* Miami Dade Product Control Division

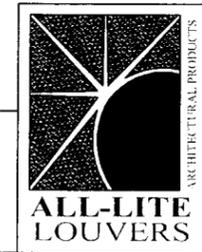
02/19/09
03-0925.05
[Signature]

[Signature]
1/16/04

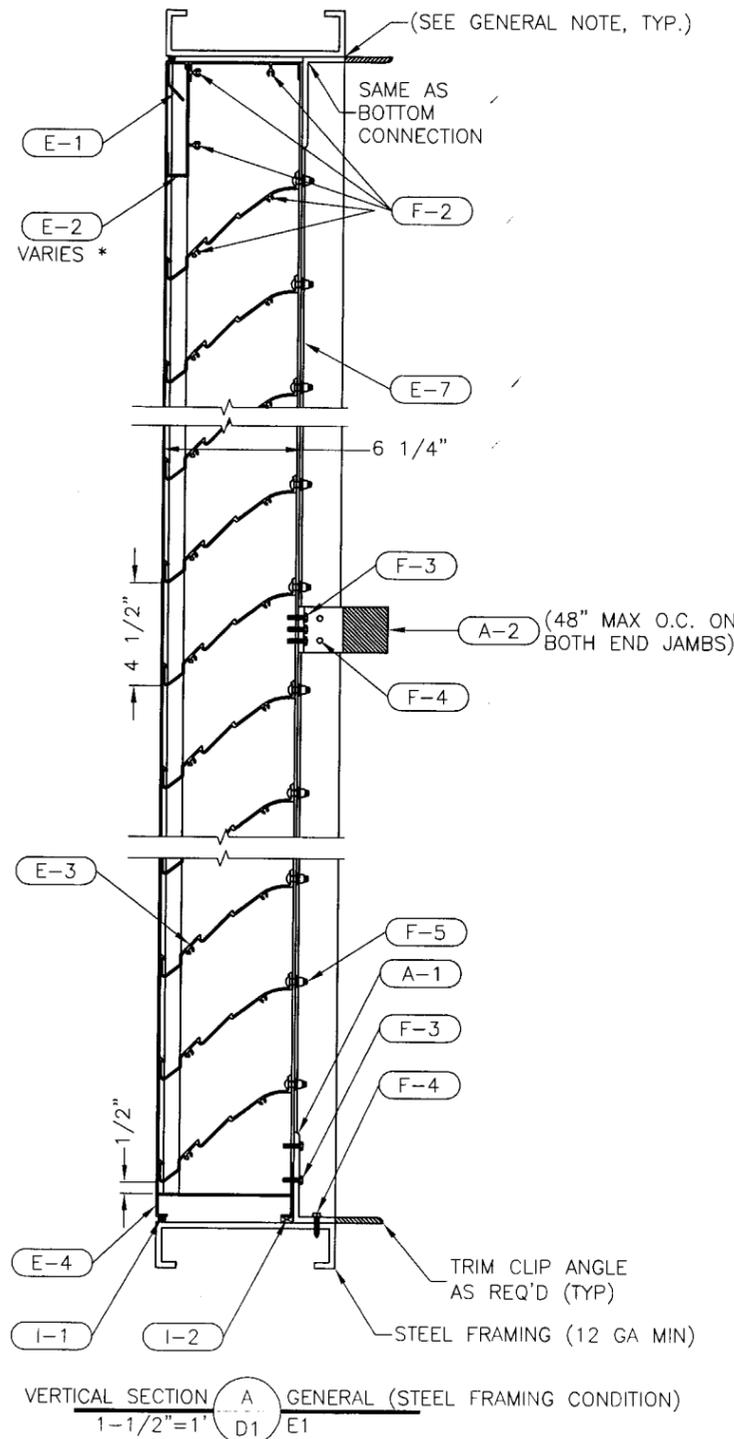
FILE: C:\JOBS\WATERMAN\DADE COUNTY REV B

REV. NO.	DESCRIPTION	DATE	DRAWN BY
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A	CHG'D TO TEST UNIT	7/24/03	DSR

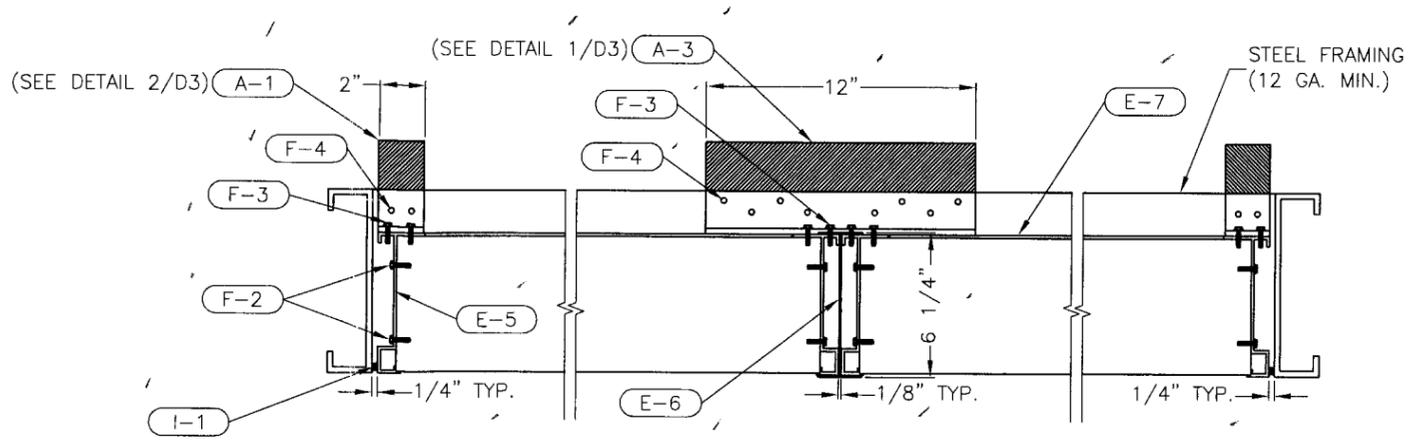
100 Sams Creek Road
Mineral Wells, West Virginia 26150
E-mail: all-lite@alllite-louvers.com
Web Address: www.alllite-louvers.com
Phone: 304-489-8113 Fax: 304-489-8117



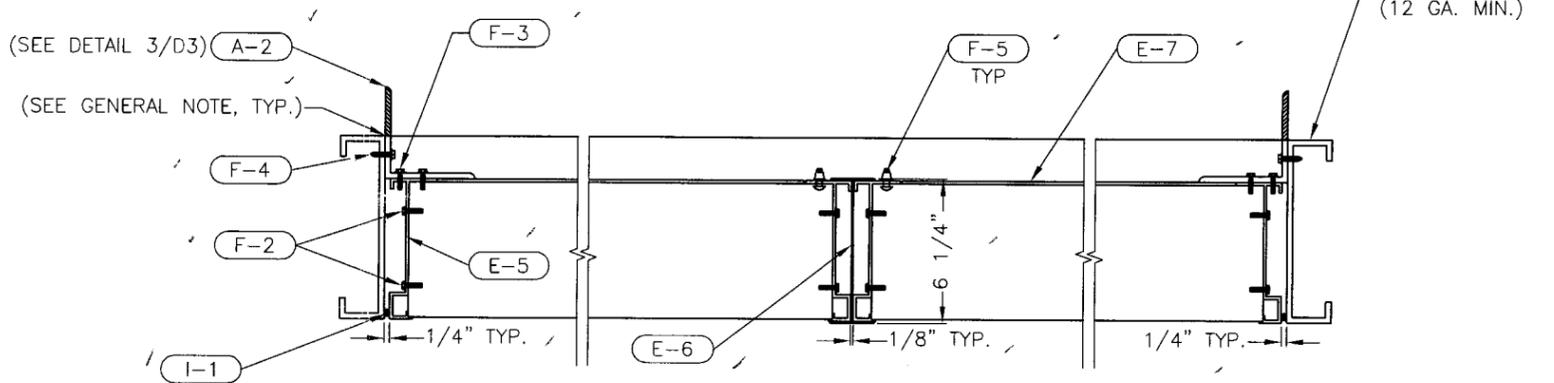
DRAWING DESC.: ELEVATION		PROJECT: DADE COUNTY	
LOCATION:		ARCHITECT:	
CUSTOMER:		DATE: 5/21/03	
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.
SCALE: NOTED	SHEET: 2 of 8		DRAWING NO. DC-E1



VERTICAL SECTION **A** GENERAL (STEEL FRAMING CONDITION)
1-1/2"=1" D1 E1



PLAN VIEW - HORIZONTAL SECTION **B** GENERAL (STEEL FRAMING CONDITION)
1-1/2"=1" D1 E1



INTERMEDIATE JAMB CLIPS - HORIZONTAL SECTION **C** GENERAL (STEEL FRAMING CONDITION)
1-1/2"=1" D1 E1 (BOTTOM CLIP ANGLES REMOVED FOR CLARITY)

E-2 * NOTE:
E-2 VARIES IN HEIGHT FROM 2-3/16" TO 5-3/8" DEPENDING ON THE SECTION HEIGHT.

GENERAL NOTE:
INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN DISSIMILAR MATERIALS FOR SEPARATION.

02/09/09
03-0925.05
Product Control

11/6/04

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 09-0212.03
Expiration Date 02/17/2014
By: [Signature]
Miami Product Control

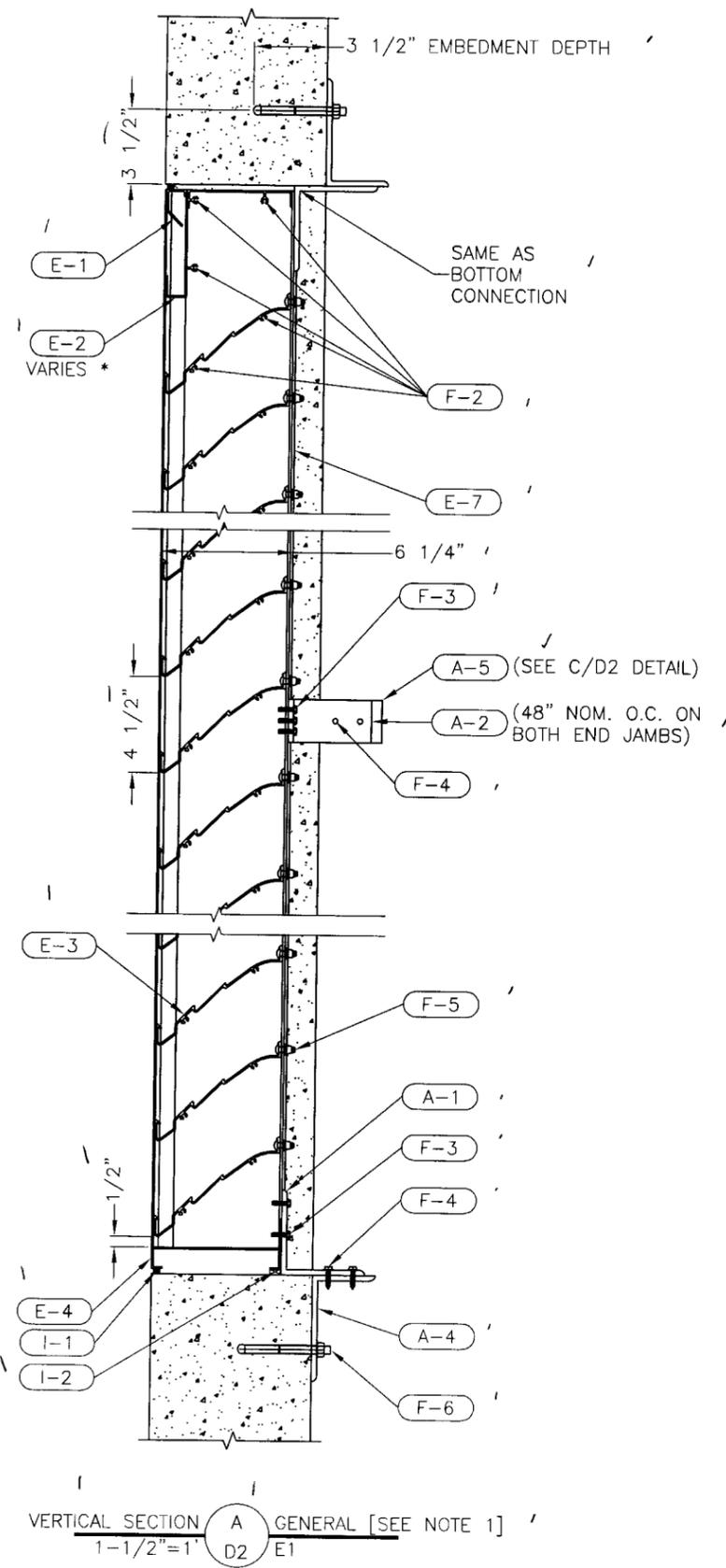
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REV. NO.	DESCRIPTION	DATE	DRAWN BY
B	MADE CHG'S PER 12/31/03 LETTER	1/12/04	DSR
A	CHG'D TO TEST UNIT	7/24/03	DSR

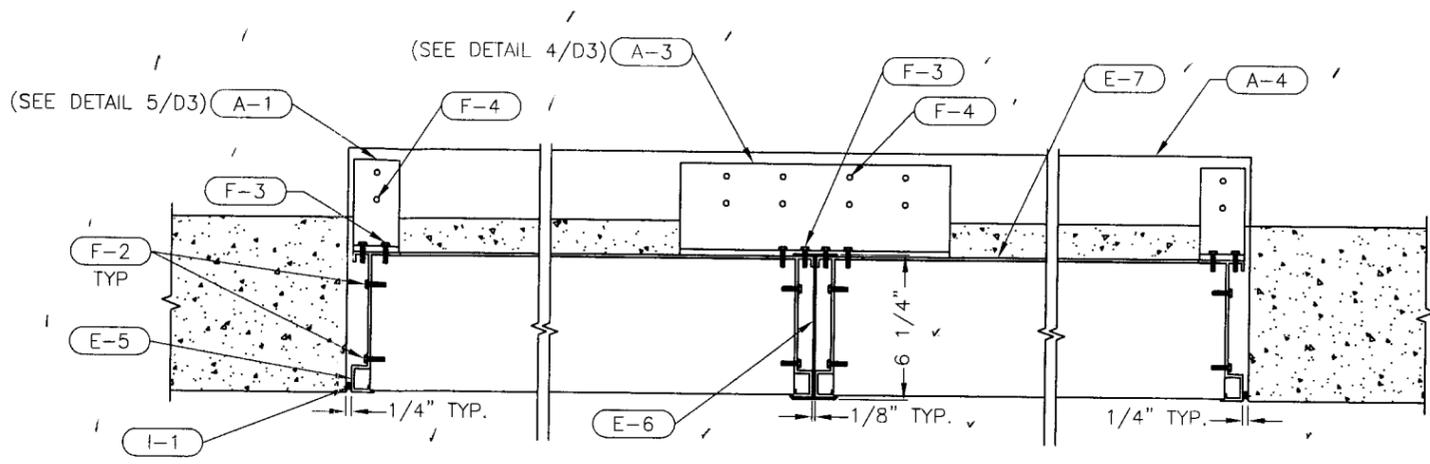
100 Sams Creek Road
Mineral Wells, West Virginia 26150
E-mail: all-lite@alllite-louvers.com
Web Address: www.alllite-louvers.com
Phone: 304-489-8113 Fax: 304-489-8117



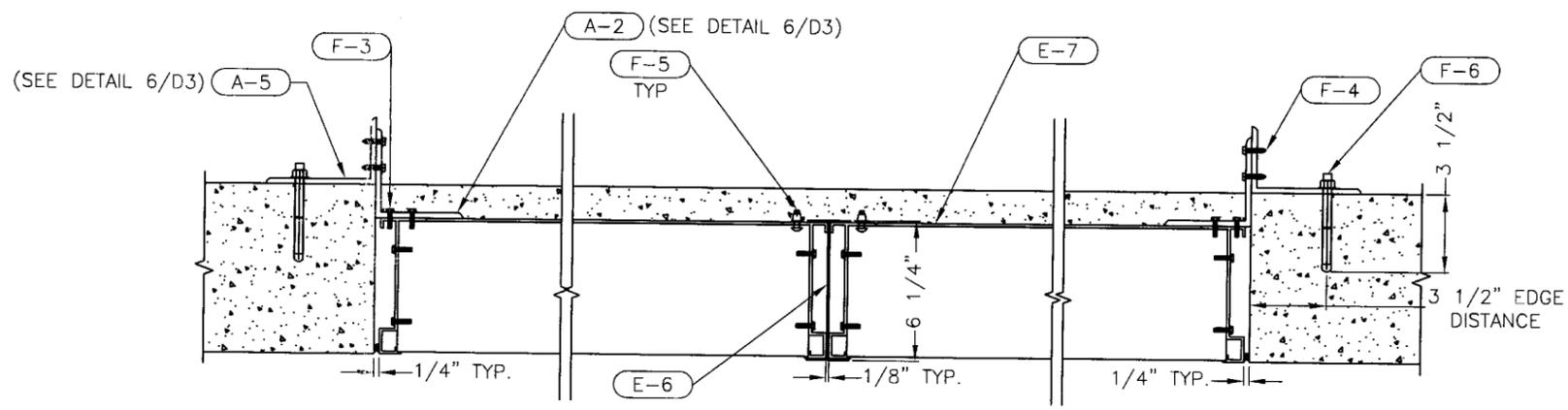
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LOCATION:		ARCHITECT:	
CUSTOMER:		DATE: 5/21/03	
SCALE: NOTED	DWN BY: DSR	A.I.C. ORDER NO.	CUSTOMER P.O. NO.
	SHEET: 3 of 8		DRAWING NO. DC-D1



VERTICAL SECTION **A** GENERAL [SEE NOTE 1]
1-1/2"=1" D2 E1



PLAN VIEW - HORIZONTAL SECTION **B** GENERAL [SEE NOTE 1]
1-1/2"=1" D2 E1



INTERMEDIATE JAMB CLIPS - HORIZONTAL SECTION **C** GENERAL [SEE NOTE 1]
1-1/2"=1" D2 E1 (BOTTOM CLIP ANGLES AND SHELF ANGLE REMOVED FOR CLARITY)

CONDITION NOTE:
 1: THIS CONDITION MAY BE ONE OF THE FOLLOWING:
 A: 8" SOLIDLY GROUTED BOND BEAM BLOCKS - REINFORCED (GROUT STRENGTH 4000 PSI)
 B: SOLID CONCRETE (2000 PSI)
 1. PRE-CAST CONCRETE
 2. CAST-IN-PLACE CONCRETE

E-2 * NOTE:
 E-2 VARIES IN HEIGHT FROM 2-3/16" TO 5-3/8" DEPENDING ON THE SECTION HEIGHT.

GENERAL NOTE:
 INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN DISSIMILAR MATERIALS FOR SEPARATION.

Approved in accordance with the Florida Building Code
 Date: 02/09/09
 NOA#: 03-0925.05
 Michael S. ...
 Division: ...
 By: [Signature]

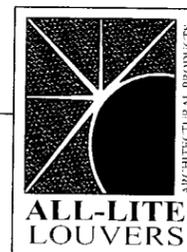
[Signature]
 1/16/04

PRODUCT RENEWED
 in compliance with the Florida Building Code
 Assignment No: 07-0212-08
 Expiration Date: 02/15/2019
 By: [Signature]
 Florida State Dept. of Building

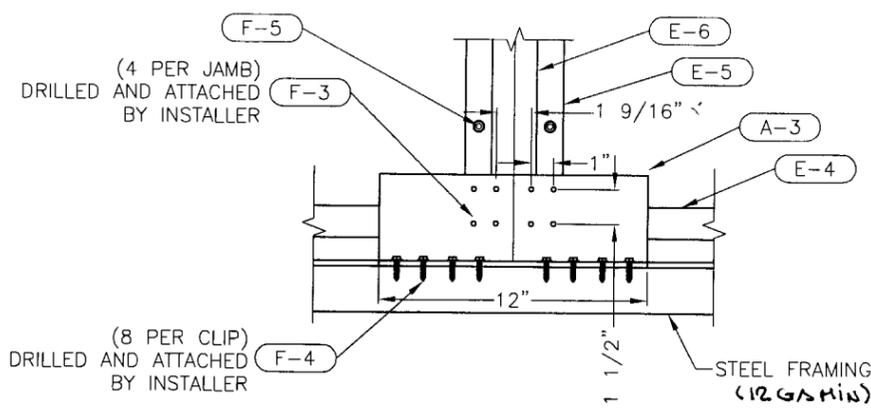
REV. NO.	DESCRIPTION	DATE	DRAWN BY
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A	CHG'D TO TEST UNIT	7/24/03	DSR

FILE: C:\JOBS\WATERMAN\DADE COUNTY REV B

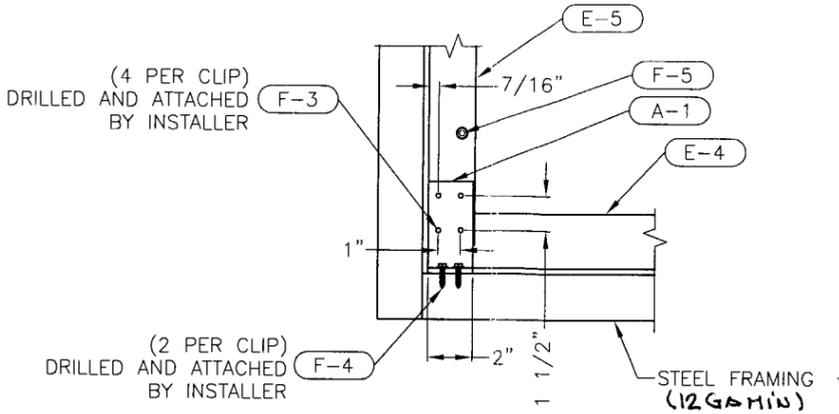
100 Sams Creek Road
 Mineral Wells, West Virginia 26150
 E-mail: all-lite@alllite-louvers.com
 Web Address: www.alllite-louvers.com
 Phone: 304-489-8113 Fax: 304-489-8117



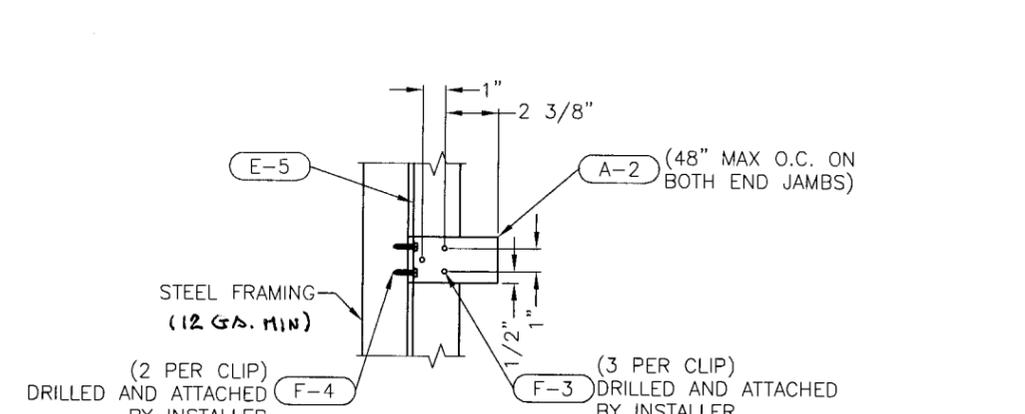
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PROJECT: DADE COUNTY				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO.
SCALE: NOTED	SHEET: 4 of 8			DC-D2



REAR MULLION ELEVATION 1 CLIP ANGLE ATTACHMENT @ MULLION (TYP)
 1-1/2"=1" D3 E1



REAR CORNER ELEVATION 2 CLIP ANGLE ATTACHMENT @ CORNER (TYP)
 1-1/2"=1" D3 E1

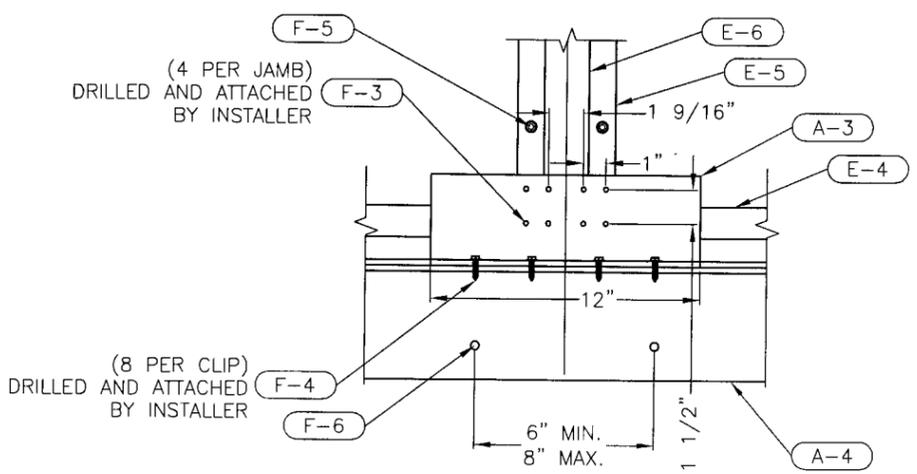


REAR INTERMEDIATE JAMB ELEVATION 3 CLIP ANGLE ATTACHMENT @ INTERMEDIATE LOCATION
 1-1/2"=1" D3 E1

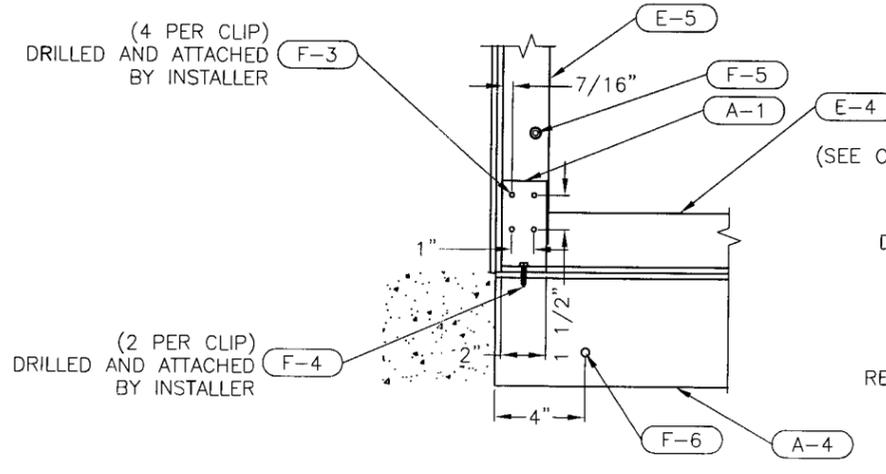
OPPOSITE CORNER MIRRORED HOLE PATTERN

DETAILS FOR STEEL CONDITION

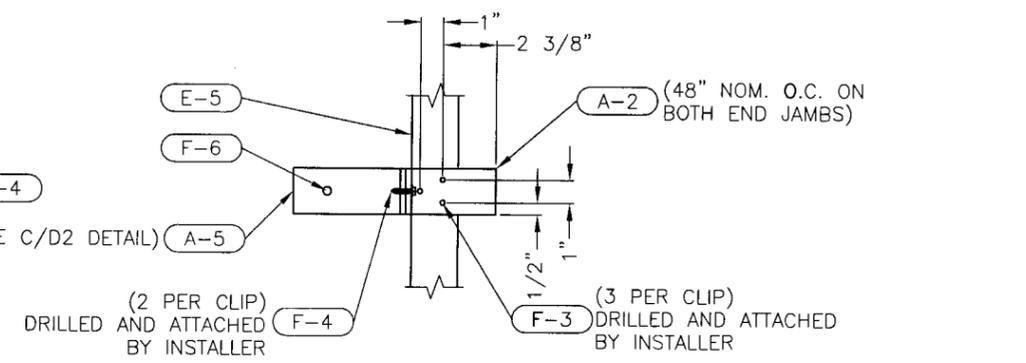
DETAILS FOR CONCRETE / REINFORCED BLOCK CONDITION



REAR MULLION ELEVATION 4 CLIP ANGLE ATTACHMENT @ MULLION (TYP)
 1-1/2"=1" D3 E1



REAR CORNER ELEVATION 5 CLIP ANGLE ATTACHMENT @ CORNER (TYP)
 1-1/2"=1" D3 E1



REAR INTERMEDIATE JAMB ELEVATION 6 CLIP ANGLE ATTACHMENT @ INTERMEDIATE LOCATION
 1-1/2"=1" D3 E1

OPPOSITE CORNER MIRRORED HOLE PATTERN

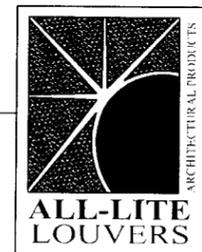
PRODUCT RENEWED
 as complying with the Florida Building Code
 Acceptance No 07-0212.08
 Expiration Date 02/19/2014
 Approved by: [Signature] Date: 02/19/04
 By: [Signature] Division: [Signature]

[Signature] 1/16/04

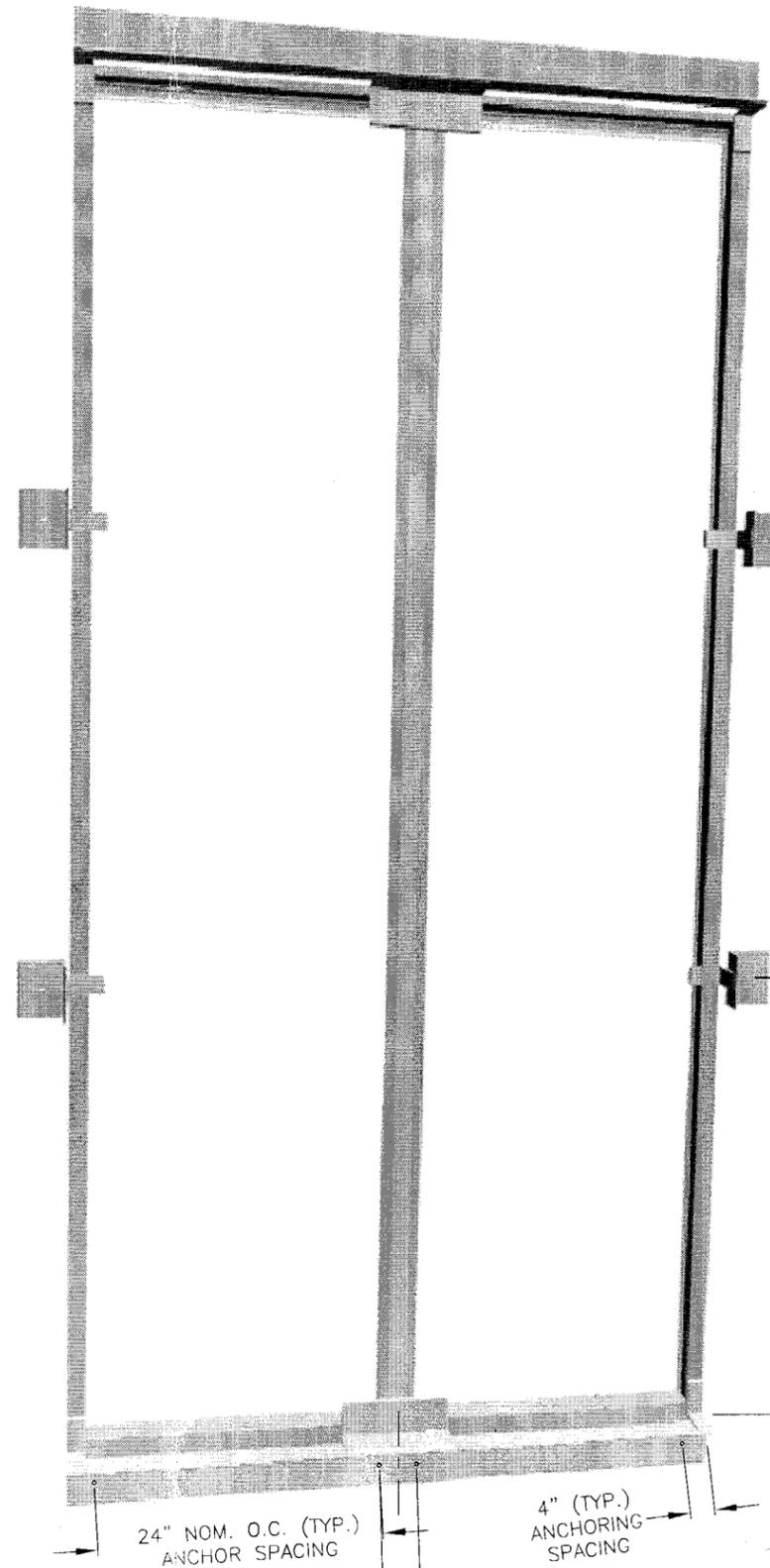
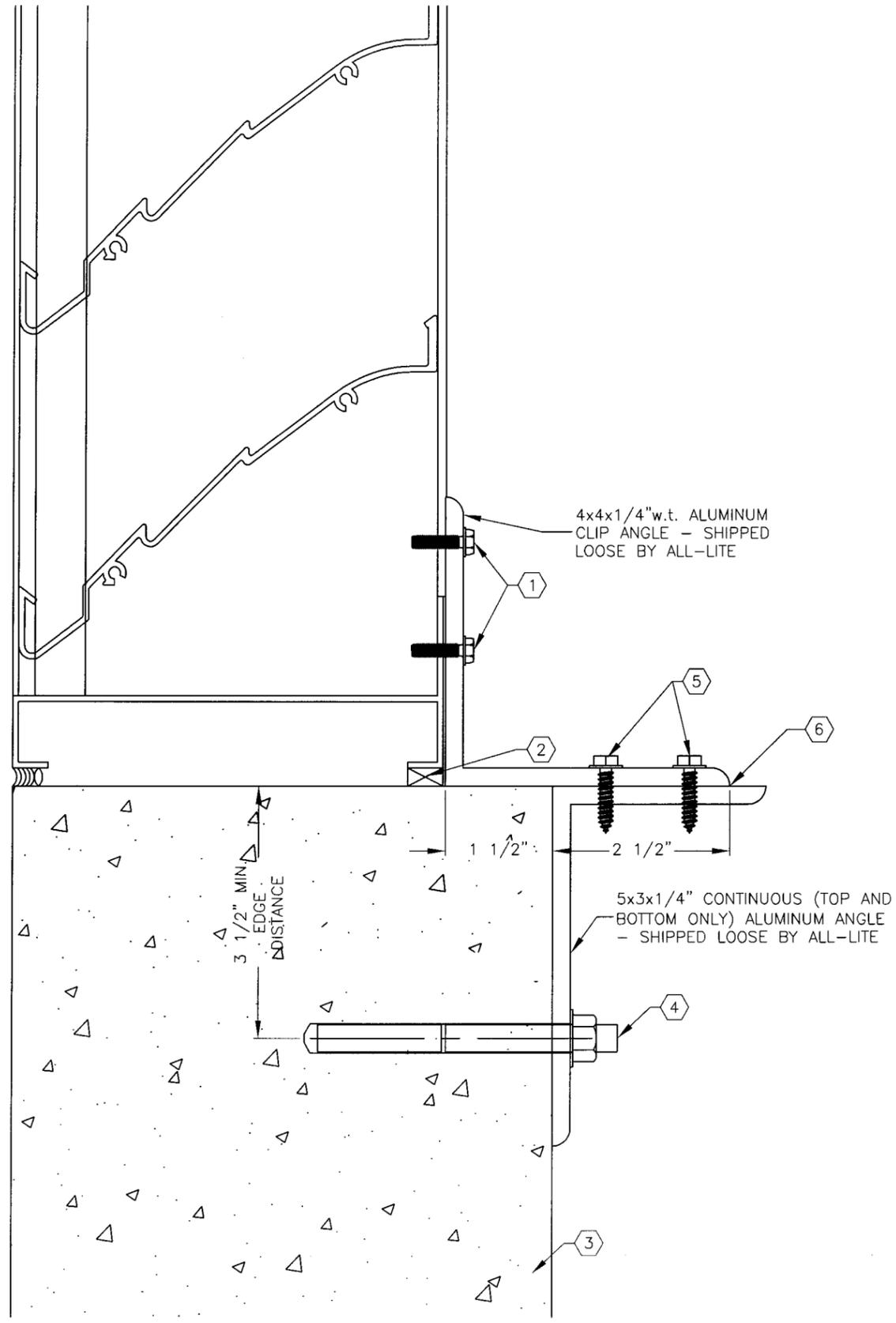
FILE: C:\JOBS\WATERMAN\DADE COUNTY REV B

REV. NO.	DESCRIPTION	DATE	DRAWN BY
B	MADE CHG'S PER 12/31/03 LETTER	1/12/04	DSR
A	CHG'D TO TEST UNIT	7/24/03	DSR

100 Sams Creek Road
 Mineral Wells, West Virginia 26150
 E-mail: all-lite@allite-louvers.com
 Web Address: www.allite-louvers.com
 Phone: 304-489-8113 Fax: 304-489-8117



DRAWING DESC.: DETAILS / SECTIONS				
PROJECT: DADE COUNTY				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO. DC-D3
SCALE: NOTED	SHEET: 5 of 8			



CODED NOTES

- ① F1 - FOUR (4) FASTENERS FROM CLIP ANGLE INTO EACH OF TWO FRAME MEMBERS - #12-24x1" LONG SELF TAPPING STAINLESS STEEL MACHINE SCREWS, F-POINT, BRIGHT HARDENED PASSIVATED AND WAXED, MADE IN USA. (SHIPPED LOOSE BY ALL-LITE). $\phi 0.177$ / #16 DRILL BIT PILOT HOLE REQUIRED.
- ② SHIM AS REQUIRED TO MAKE LOUVER LEVEL AND PLUMB - BY INSTALLER (TYP)
- ③ THIS CONDITION MAY BE ONE OF THE FOLLOWING:
 - A: 8" SOLIDLY GROUTED BOND BEAM BLOCKS - REINFORCED (GROUT STRENGTH 4000 PSI)
 - B: SOLID CONCRETE (2000 PSI)
 - 1. PRE-CAST CONCRETE
 - 2. CAST-IN-PLACE CONCRETE
- ④ $\phi 3/8$ " HILTI HIT HY 150 EPOXY INJECTION ADHESIVE ANCHOR WITH STAINLESS STEEL HAS ROD. 3-1/2" EMBEDMENT DEPTH. ANCHORS MUST BE 4" FROM EITHER END AND MAINTAIN A NOMINAL DISTANCE OF 24" O.C.
- ⑤ FASTENERS FROM CLIP ANGLE INTO 5x3x1/4" ANCHOR CLIP - #12-24x1" LONG 410 STAINLESS STEEL SELF DRILLING TEK SCREWS. $\phi 0.218$ / 7/32" DRILL BIT THRU HOLES.
- ⑥ INSTALLER TO PROVIDE GASKET MATERIAL BETWEEN ALUMINUM AND STEEL CLIP ANGLES FOR SEPARATION OF DISSIMILAR MATERIALS, WHERE APPROPRIATE.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Approval No. 09-0212-08
 Expiration Date 02/19/2014
 By [Signature]
 Division

Approved as complying with the
 Florida Building Code
 Approval No. 02/19/09
 Expiration Date 03-09-25-05
 By [Signature]

[Signature] 11/16/04

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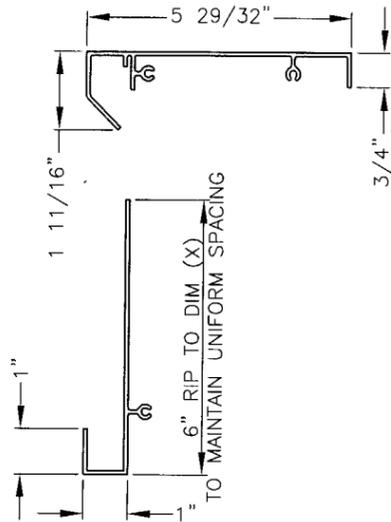
REV. NO.	DESCRIPTION	DATE	DRAWN BY
B	MADE CHG'S PER 12/31/03 LETTER	1/12/04	DSR
A	CHG'D TO TEST UNIT	7/24/03	DSR

100 Sams Creek Road
 Mineral Wells, West Virginia 26150
 E-mail: all-lite@allite-louvers.com
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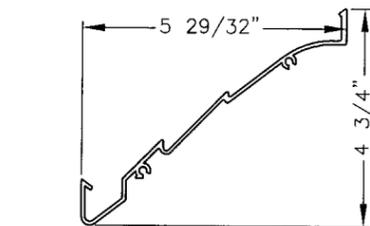


DRAWING DESC.: DETAILS / SECTIONS		PROJECT: DADE COUNTY	
LOCATION:		ARCHITECT:	
CUSTOMER:		DATE: 5/21/03	
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.
SCALE: NOTED	SHEET: 6 of 8	DRAWING NO. DC-D4	

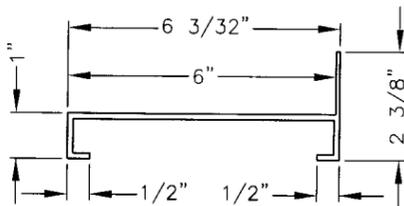
PART #: E-1
 PART NAME: HEAD
 MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



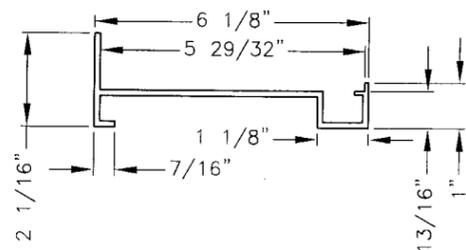
PART #: E-2
 PART NAME: DRIP
 MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'
 (HEIGHT DIM (X) IS DETERMINED BY THE LOUVER HEIGHT TO KEEP A UNIFORM BLADE SPACING)



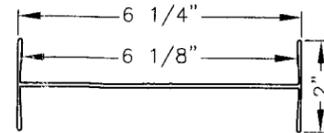
PART #: E-3
 PART NAME: BLADE
 MATERIAL: 0.081" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



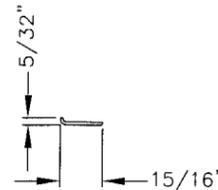
PART #: E-4
 PART NAME: SILL
 MATERIAL: 0.125" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



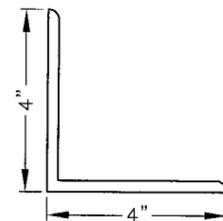
PART #: E-5
 PART NAME: JAMB
 MATERIAL: 0.125" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



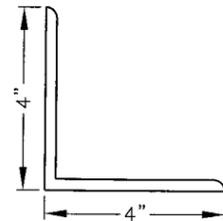
PART #: E-6
 PART NAME: 1-MULLION SEAM COVER
 MATERIAL: 0.078" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



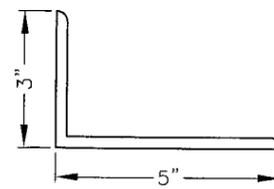
PART #: E-7
 PART NAME: SCREEN FRAME
 MATERIAL: 0.065" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



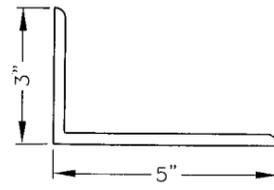
PART #: A-1, A-2
 PART NAME: CLIP ANGLE - @ TOP CORNER, BOTTOM CORNER, & INTERMEDIATE OF JAMB
 MATERIAL: 0.25" THICK 6063-T5 EXTRUDED ALUMINUM (2" LONG)
 SCALE: 3"=1'



PART #: A-3
 PART NAME: CLIP ANGLE - @ TOP & BOTTOM OF JAMB MULLION CONNECTION
 MATERIAL: 0.25" THICK 6063-T5 EXTRUDED ALUMINUM (12" LONG)
 SCALE: 3"=1'



PART #: A-4
 PART NAME: CONTINUOUS ANGLE
 MATERIAL: 0.25" THICK 6063-T5 EXTRUDED ALUMINUM
 SCALE: 3"=1'



PART #: A-5
 PART NAME: INTERMEDIATE JAMB CONDITION CLIP ANGLE
 MATERIAL: 0.25" THICK 6063-T5 EXTRUDED ALUMINUM (2" LONG)
 SCALE: 3"=1'

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 07-0212.08
 Expiration Date 02/19/2014
 By: [Signature]
 Miami Dade Product Control
 Division

Approved for installation with the
 02/19/09
 03-090505
 [Signature] 11/16/04

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REV. NO.	DESCRIPTION	DATE	DRAWN BY
B	MADE CHG'S PER 12/31/03 LETTER	1/12/04	DSR
A	CHG'D TO TEST UNIT	7/24/03	DSR

100 Sams Creek Road
 Mineral Wells, West Virginia 26150
 E-mail: ali-lite@allite-louvers.com
 Web Address: www.allite-louvers.com
 Phone: 304-489-8113 Fax: 304-489-8117



DRAWING DESC.: DETAILS / SECTIONS				
PROJECT: DADE COUNTY				
LOCATION:				
ARCHITECT:				
CUSTOMER:				
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.	DRAWING NO. DC-D5
SCALE: NOTED	SHEET: 7 of 8			

PARTS KEY

FASTENERS / ANCHORS

F-1	#10-UNCx5/8" LONG, 410 S.S., SELF-DRILLING TEK MACHINE SCREW
F-2	#10-24x3/4" LONG, 410 S.S., "F" POINT THREAD-CUTTING MACHINE SCREW, BRIGHT HARDENED, PASSIVATED AND WAXED, MADE IN U.S.A.
F-3	#12-24x1" LONG, 410 S.S., "F" POINT THREAD-CUTTING MACHINE SCREW, BRIGHT HARDENED, PASSIVATED AND WAXED, MADE IN U.S.A.
F-4	#12-24x1" LONG, 410 S.S., SELF-DRILLING TEK MACHINE SCREW
F-5	Ø1/4"-10 GRIP BUTTON HEAD ALUMINUM HUCK MAGNA-GRIP STYLE LOCK BOLT
F-6	Ø3/8"x3 3/8" LONG HILTI HIT HY 150 EPOXY INJECTED ADHESIVE ANCHOR W/ 5 1/8" LONG S.S. HAS ROD, EMBEDMENT DEPTH OF 3 1/2"

ANGLES

A-1	4"x4"x2"x1/4" w.t. 6063-T5 EXTRUDED ALUMINUM ANGLE @ TOP AND BOTTOM CORNERS
A-2	4"x4"x2"x1/4" w.t. 6063-T5 EXTRUDED ALUMINUM ANGLE @ INTERMEDIATE OF OUTER MOST JAMBS
A-3	4"x4"x12"x1/4" w.t. 6063-T5 EXTRUDED ALUMINUM ANGLE @ TOP AND BOTTOM OF MULLION CONNECTIONS
A-4	5"x3"x1/4" w.t. 6063-T5 EXTRUDED ALUMINUM CONTINUOUS ANGLE
A-5	5"x3"x1/4" w.t. x2" LONG 6063-T5 EXTRUDED ALUMINUM ANGLE

EXTRUDED FRAME

E-1	HEAD FRAME, 0.081" THICK, 6063-T5 EXTRUDED ALUMINUM
E-2	DRIP, 0.081" THICK, 6063-T5 EXTRUDED ALUMINUM
E-3	BLADE, 0.081" THICK, 6063-T5 EXTRUDED ALUMINUM
E-4	SILL FRAME, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM
E-5	JAMB FRAME, 0.125" THICK, 6063-T5 EXTRUDED ALUMINUM
E-6	I-MULLION SEAM COVER, 0.078" THICK, 6063-T5 EXTRUDED ALUMINUM
E-7	SCREEN FRAME, 0.065" THICK, 6063-T5 EXTRUDED ALUMINUM W/ 1/2"x0.050" EXPANDED ALUMINUM BIRD SCREEN

INSTALLATION NOTES

I-1	SEALANT AND BACKER ROD PROVIDED BY INSTALLER (TYP)
I-2	SHIM AS REQ'D TO MAKE LEVEL AND PLUMB, PROVIDED BY INSTALLER (TYP)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 07-0212.08
Expiration Date 02/19/2014
Florida Code Product Control
Division

Approved as complying with the
Florida Building Code
02/19/04
03-0925.03
State of Florida
Department of Building
Code Administration

[Handwritten Signature]
11/16/04

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PROJECT: DADE COUNTY			
LOCATION:			
ARCHITECT:			
CUSTOMER:			
DATE: 5/21/03	DWN BY: DSR	A.L.C. ORDER NO.	CUSTOMER P.O. NO.
SCALE: NONE	SHEET: 8 of 8		DRAWING NO. DC-D6