



**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)

**Construction Specialties, Inc.**  
**107 Johnson Blvd.**  
**Del Rio, TX 78840**

**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 DC-5704 Aluminum Louver**

**APPROVAL DOCUMENT:** Drawing No. **RD-1075**, titled "DC-5704, Layout Drawings", sheets 1 through 6 of 6, dated 10/02/08, with revision dated 02/23/09, prepared by Construction Specialty, Inc., signed and sealed by L. David Rice, 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.**



*Carlos M. Utrera*  
 5/11/09

**NOA No. 09-0310.06**  
**Expiration Date: June 03, 2014**  
**Approval Date: June 03, 2009**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **RD-1075**, titled "DC-5704, Layout Drawings", sheets 1 through 6 of 6, dated 10/02/08, with revision dated 02/23/09, prepared by Construction Specialty, Inc., signed and sealed by L. David Rice, P.E.

**B. TESTS**

1. Test report of Uniform Static Air Pressure Test per TAS 202-94, Large Missile Impact Test per TAS 201-94 and Cyclic Wind Pressure Loading per TAS 203-94 on four Series/Model DC 5704 Aluminum Louver Assemblies, prepared by Architectural Testing, Inc., Test Report No. **88285.01-109-18**, dated 02/25/09, signed and sealed by Michael D. Stremmel, P.E.

**C. CALCULATIONS**

1. Anchoring, stress and deflection calculations, prepared by Rice Engineering, dated 02/26/09, signed and sealed by L. David Rice, P.E.

**D. QUALITY ASSURANCE**

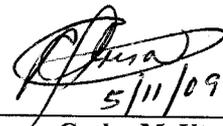
1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

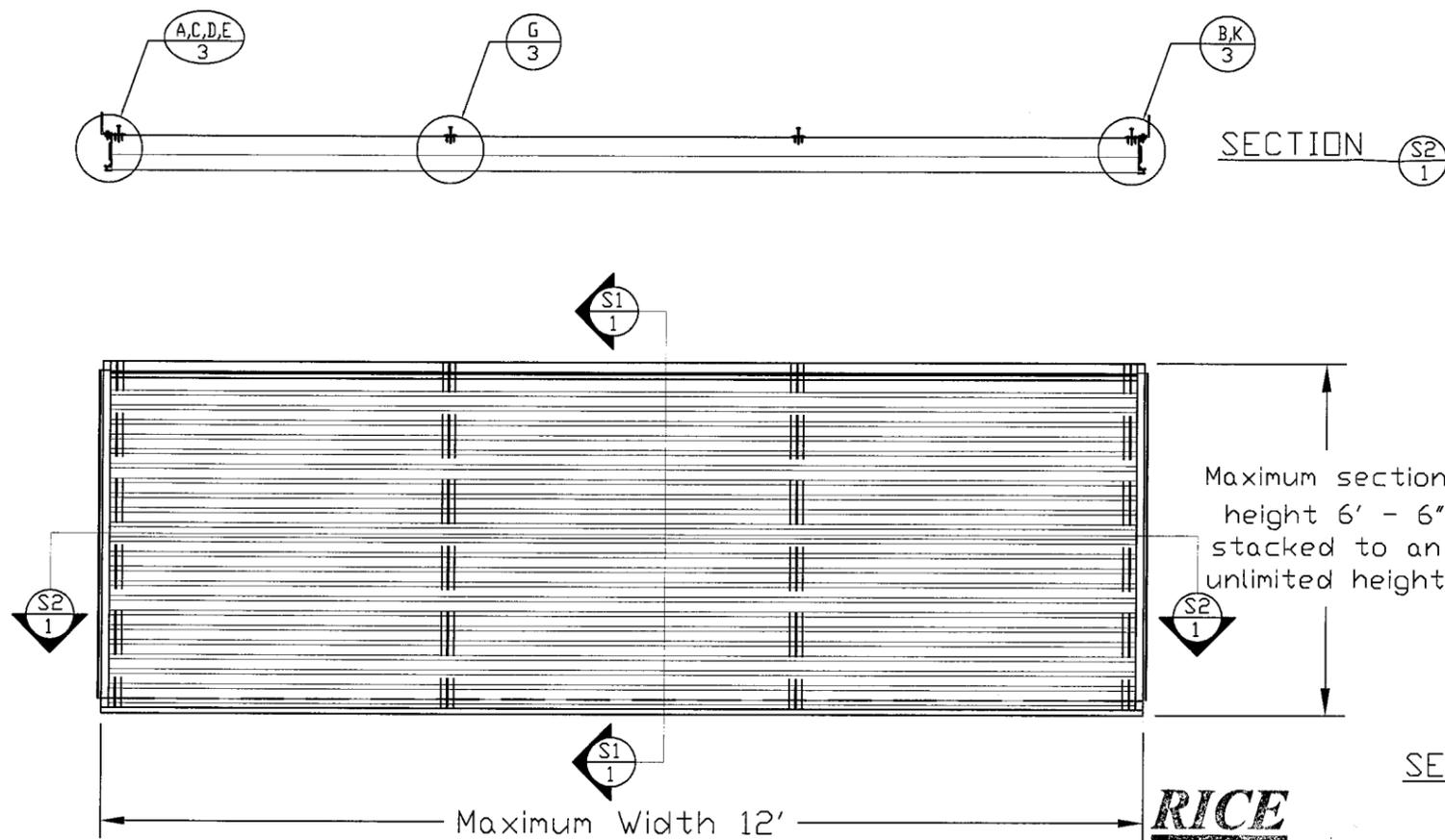
1. Letter of code compliance issued Rice Engineering, dated 02/26/09, signed and sealed by L. David Rice, P.E.
2. Letter of no financial interest issued by Rice Engineering, dated 02/26/09, signed and sealed by L. David Rice, P.E.



5/11/09

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 09-0310.06  
Expiration Date: June 03, 2014  
Approval Date: June 03, 2009



SPECIMIN 1  
130 PSF

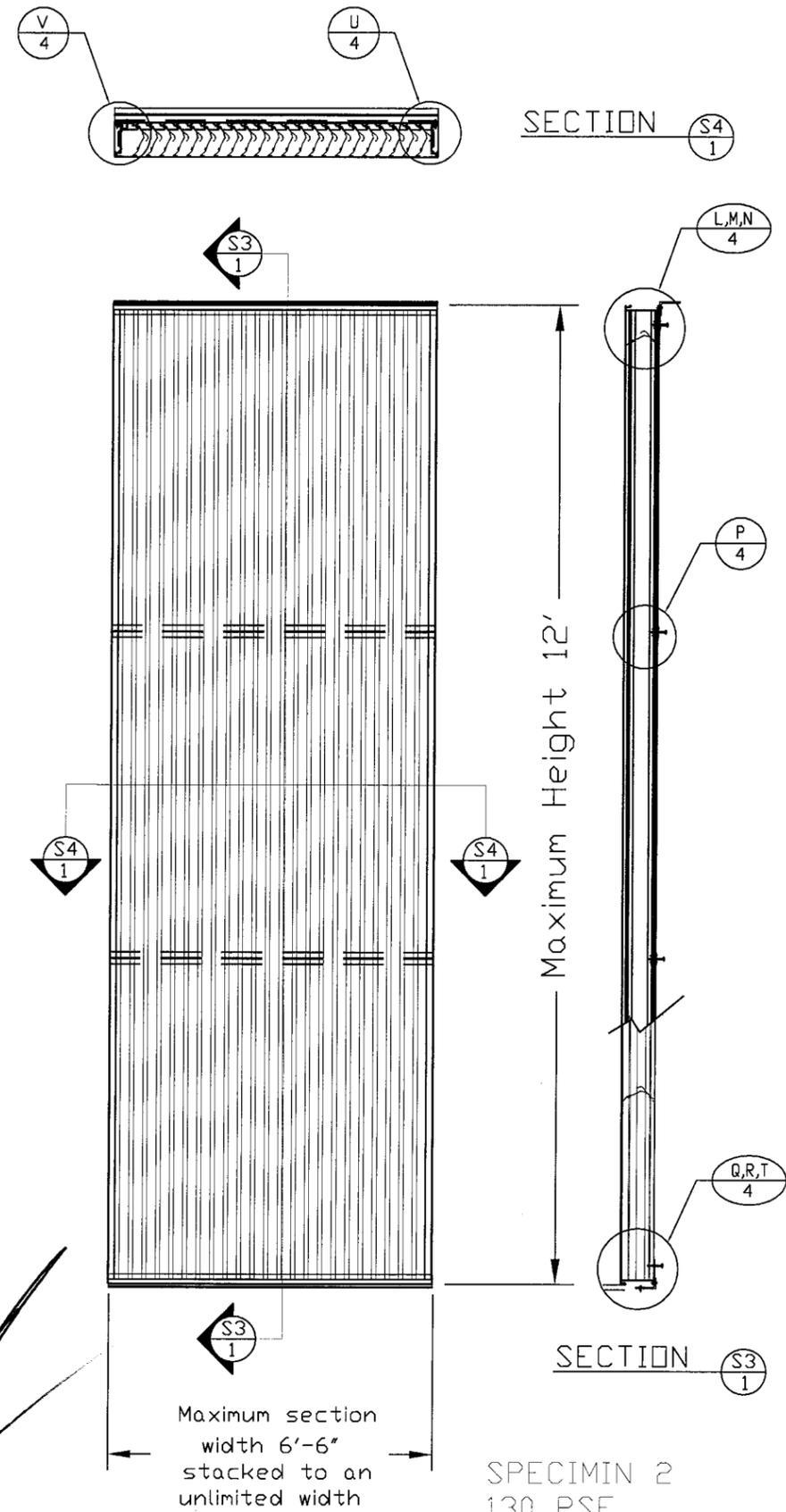
**RICE**  
**ENGINEERING**

105 School Creek Trail  
Luxemburg, WI 54217  
Phone: 920.845.1042  
Fax: 920.845.1048  
www.rice-inc.com

Florida Firm No: F-01000005061  
Certificate of Authorization: #9090  
L. David Rice  
Registration No: 50923

- 1) It shall be the responsibility of the Structural Engineer of Record to verify the capacity of the structure to support the loads imposed by the louvers.
- 2) These louvers have been designed according to the Florida Building Code and the Aluminum Design Manual. They are tested in accordance with Dade County protocols TAS 201, TAS 202 and TAS 203,
- 3) All fasteners shall be stainless steel or plated steel.
- 4) All concrete substrate shall be a minimum of 2000 psi.
- 5) Panel widths and heights are limited as shown in elevations and details.
- 6) The 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 waterproof or water resistant equipment, components or supplies.
- 7) Jamb clip spacing may not be altered. Each clip and fastener used must be detailed on the drawing and verified on the NOA.
- 8) Separation of unpainted aluminum and dissimilar materials to be maintained by the installer
- 10) This louver system has been tested, analyzed and approved for design pressures not to exceed 150 PSF.
- 11) See sheet 6 of 6 for blade span table

Approved as complying with the  
Florida Building Code  
Date 06/03/2009  
NOA# 09-0310-06  
Miami Dade Product Control  
Division  
By [Signature]



SPECIMIN 2  
130 PSF

MAY 05 2009



**Construction Specialties™**  
49 MEEKER AVENUE, CRANFORD, NEW JERSEY  
PHONE: 1-800-631-7379 / FAX: 908-272-5844

PROJECT: DC-5704  
TITLE: LAYOUT DRAWINGS

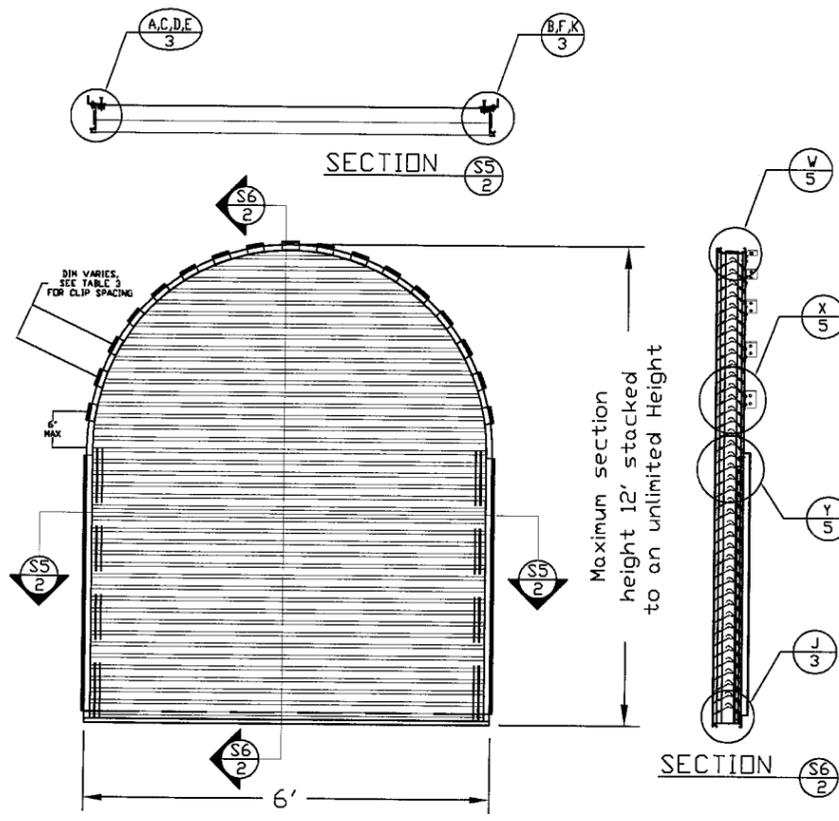
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DRW BY: R. GEIST

REVISION: 2-23-09

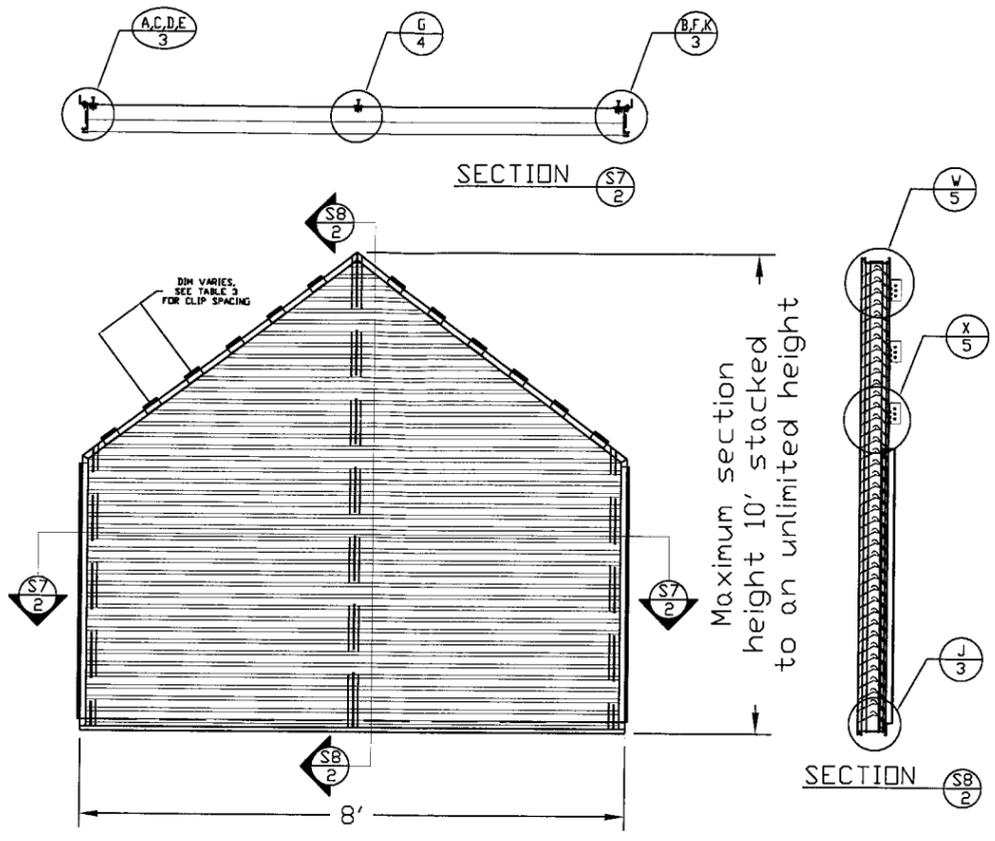
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SHEET: 1 OF 6

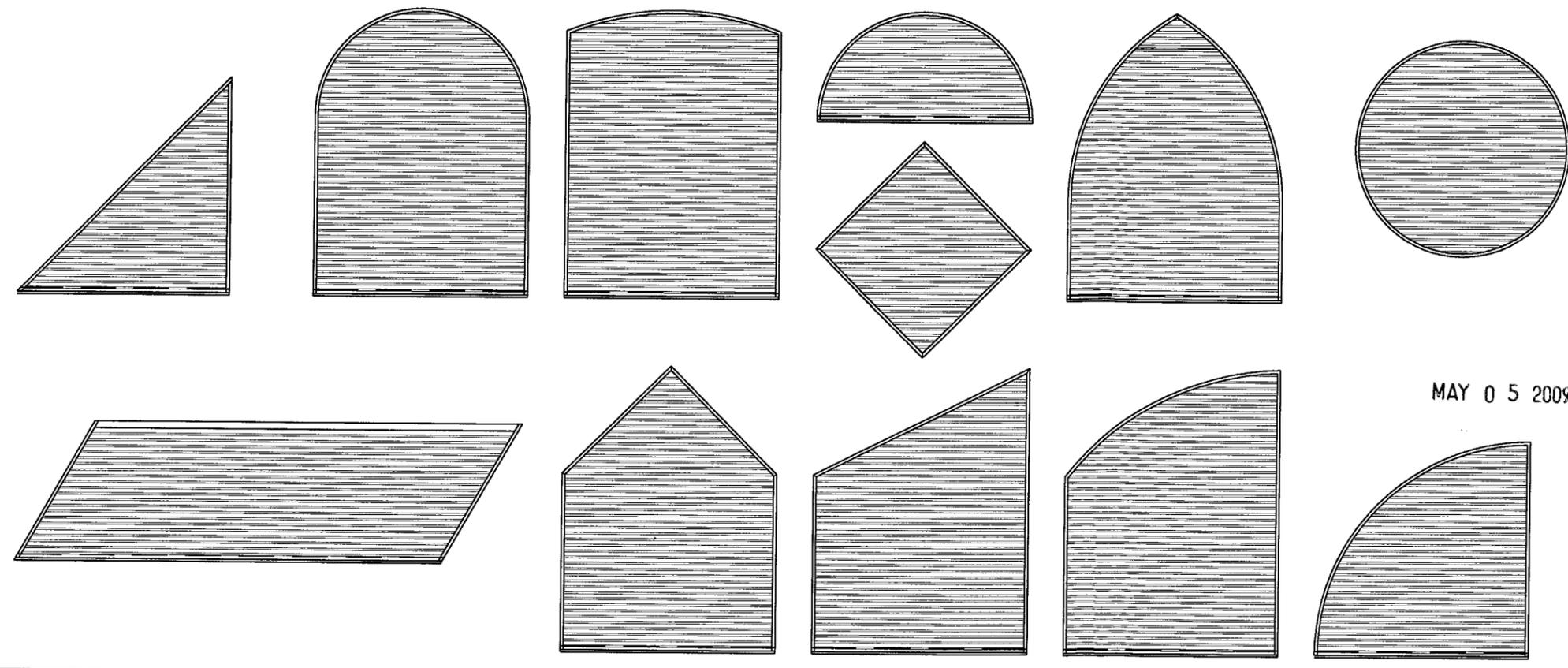
DRW NO : RD-1075



SPECIMIN 3  
150 PSF



SPECIMIN 4  
150 PSF



MAY 05 2009

Approved as complying with the  
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Date 06/03/2009  
NOA# 09-0310.06  
Miami Dade Product Central  
Division  
By *[Signature]*

These louvers are available with a  
maximum width of 8 feet where  
appropriate the height is un-limited

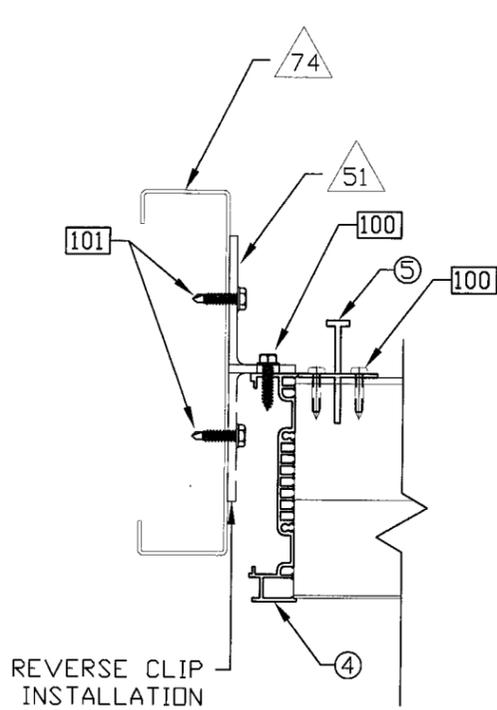
**RICE**  
ENGINEERING  
105 School Creek Trail  
Luxemburg, WI 54217  
Phone: 920.645.1042  
Fax: 920.645.1048  
www.rice-inc.com

Florida Firm No: F-0100005061  
Certificate of Authorization: #9090  
L. David Rice  
Registration No: 50923

PROJECT: DC-5704	REVISION: 2-23-09
TITLE: LAYOUT DRAWINGS	DATE: 10-02-08
SCALE: 3/8" = 1'-0"	SHEET: 2 OF 6
DRW BY: R. GEIST	DRW NO: RD-1075

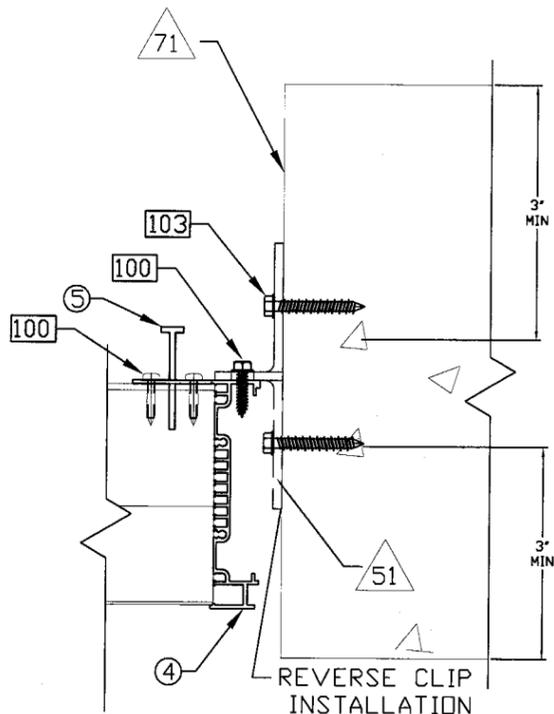
**Construction Specialties™**  
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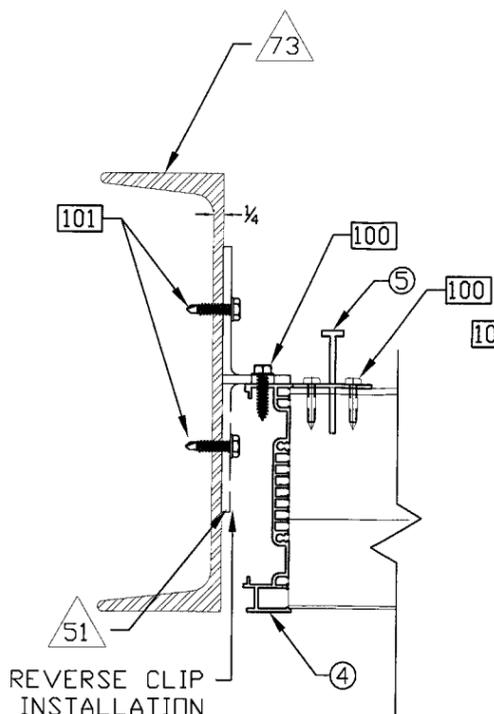
16 Ga MIN GALVANIZED  
STRUCTURAL STEEL STUD  
Detail  
SCALE: NTS  
SP-1,3 & 4

(A)  
3



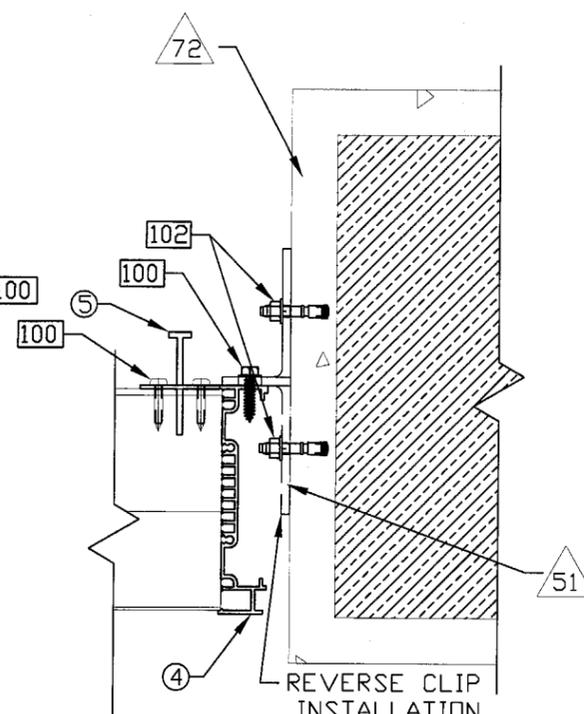
2000 LB MIN  
CONCRETE  
Detail  
SCALE: NTS  
SP-1,3 & 4

(B)  
3



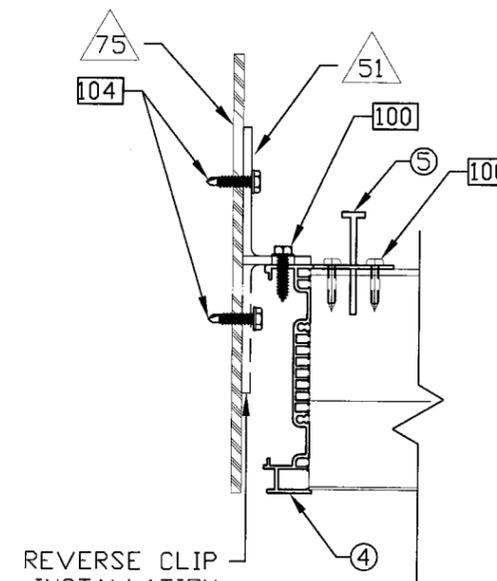
1/4" MINIMUM  
STRUCTURAL STEEL  
Detail  
SCALE: NTS  
SP-1,3 & 4

(C)  
3



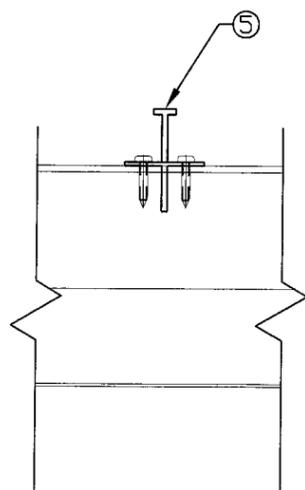
CONCRETE FILLED  
CMU  
Detail  
SCALE: NTS  
SP-1,3 & 4

(D)  
3



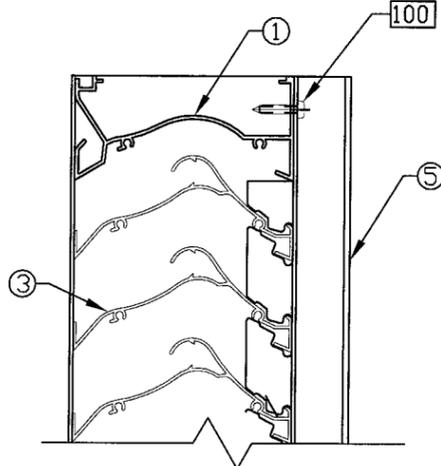
1/8" MINIMUM  
ALUMINUM PLATE  
Detail  
SCALE: NTS  
SP-1,3 & 4

(E)  
3



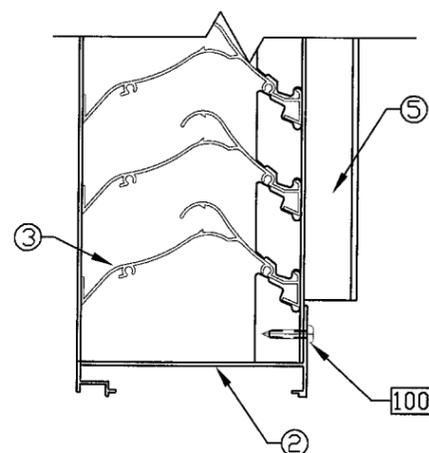
Detail  
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SP-1 & 4

(G)  
3



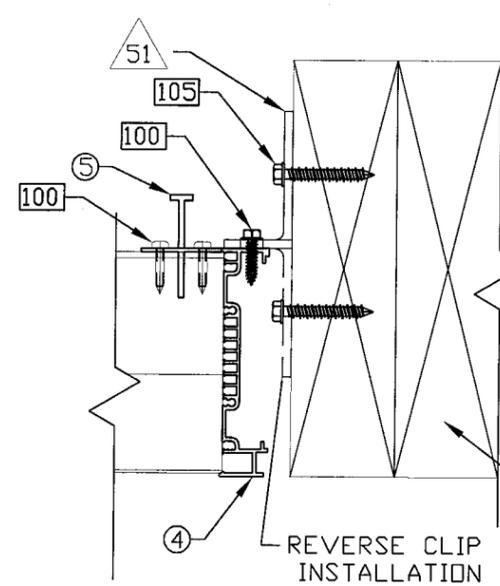
Detail  
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SP-1

(H)  
3



Detail  
SCALE: NTS  
SP-1,3 & 4

(J)  
3



WOOD  
G=0.42 MIN.  
Detail  
SCALE: NTS  
SP-1,3 & 4

(K)  
3

Approved as complying with the  
Florida Building Code  
Date 06/03/2009  
NOA# 07-0310-06  
Miami Dade Product Control  
Division  
By *[Signature]*

MAY 05 2009

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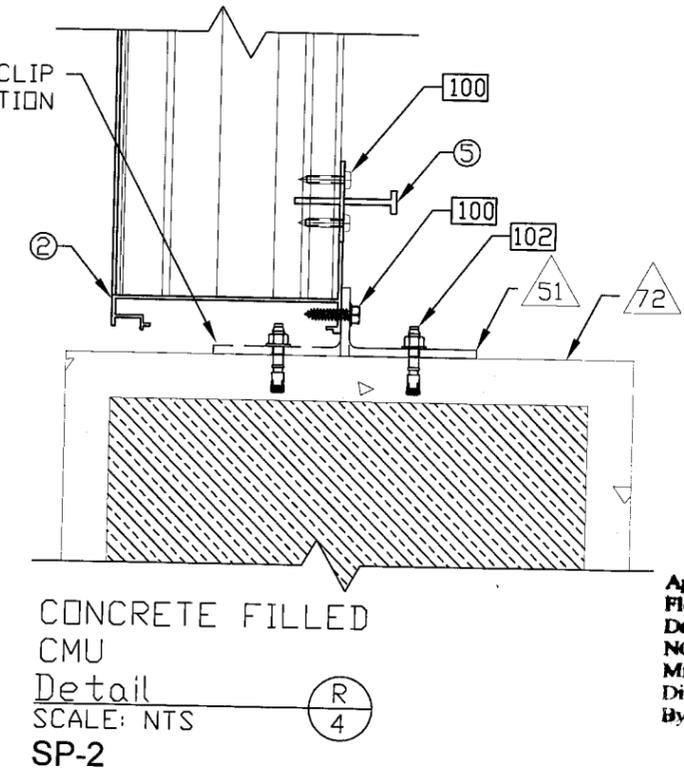
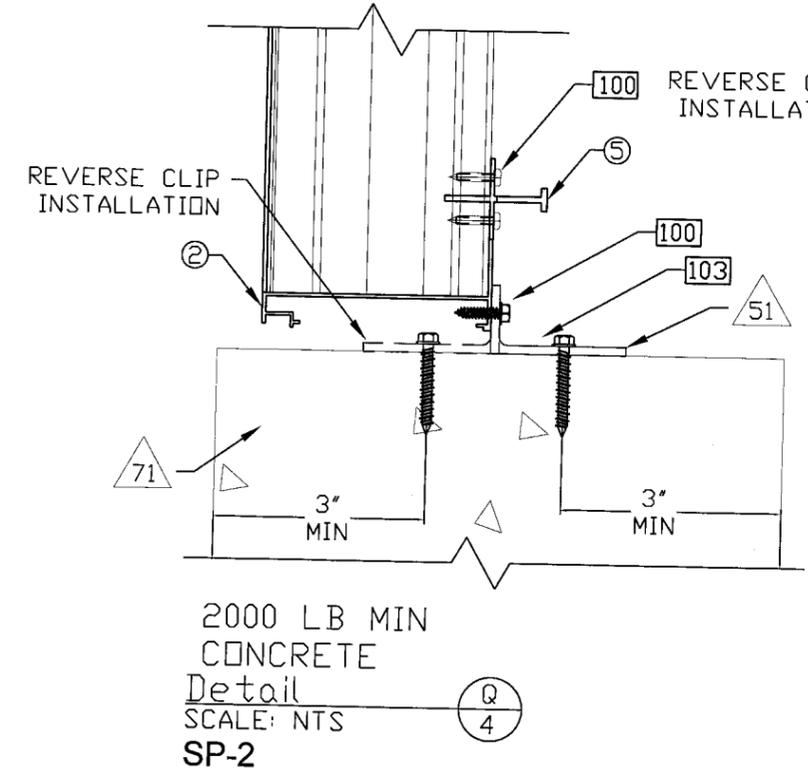
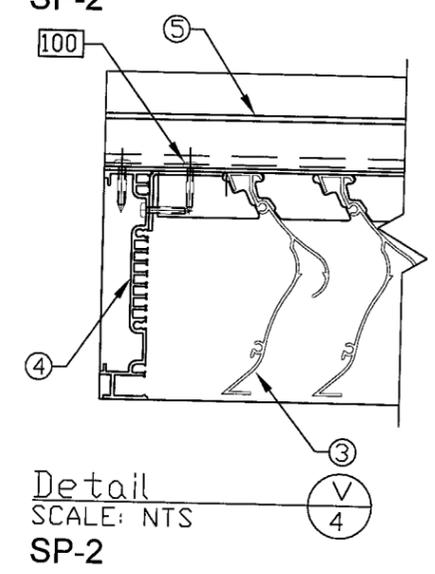
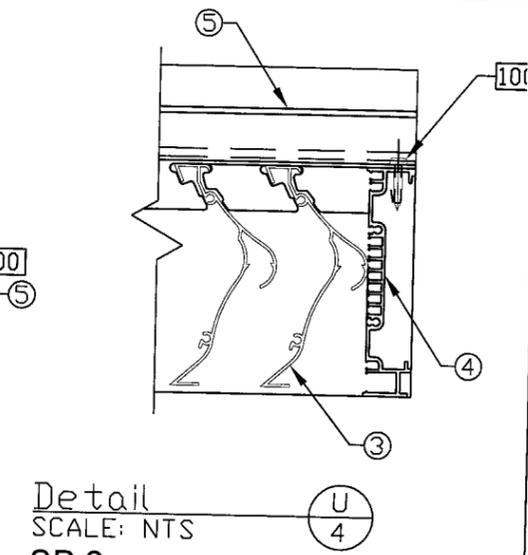
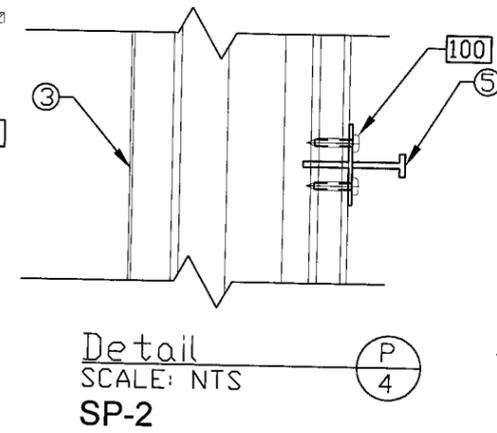
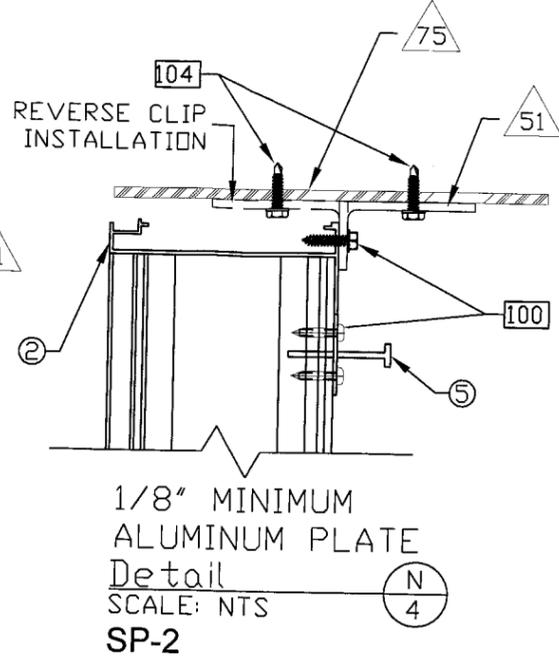
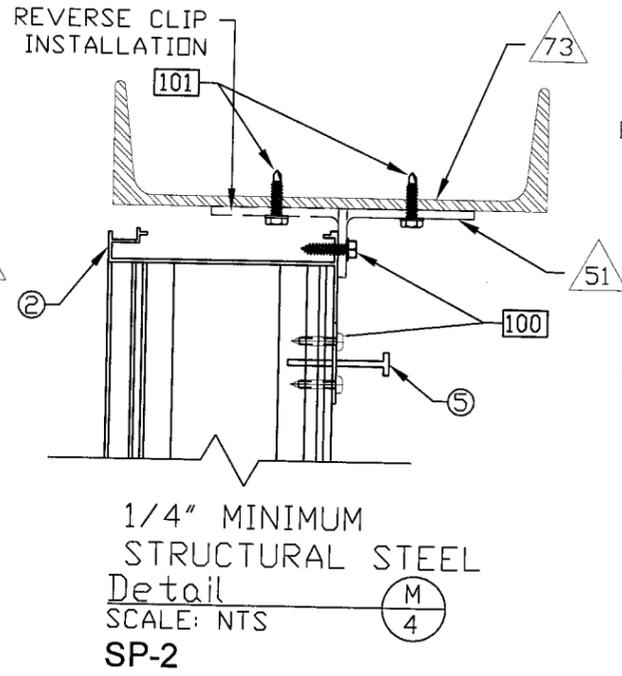
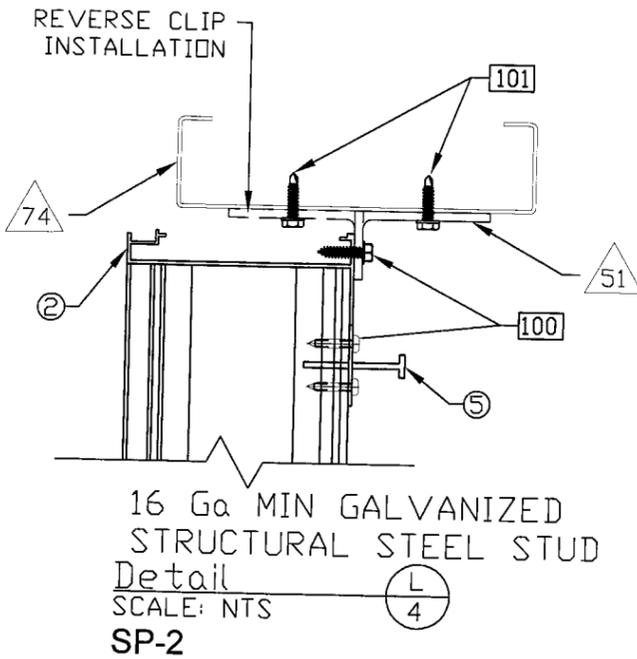
Florida Firm No: F-01000005061  
Certificate of Authorization: #9090  
L. David Rice  
Registration No: 50923

PROJECT: DC-5704  
TITLE: LAYOUT DRAWINGS  
SCALE: 3/8"=1'-0"  
DRW BY: R. GEIST

REVISION: 2-23-09  
DATE: 10-02-08  
SHEET: 3 OF 6  
DRW NO: RD-1075

**Construction Specialties™**  
49 MEEKER AVENUE, CRANFORD, NEW JERSEY  
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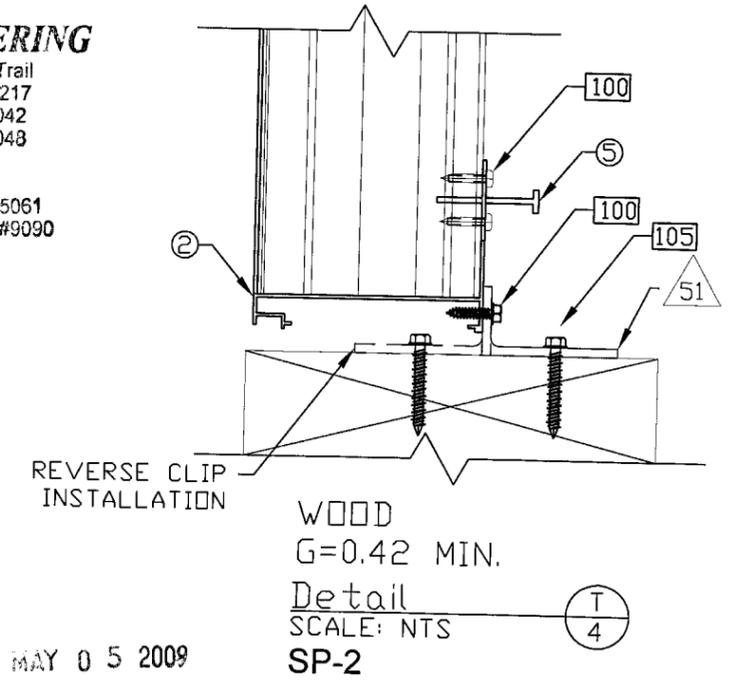


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NOA# 07-0310-06  
Miami Dade Product Control Division  
By *[Signature]*

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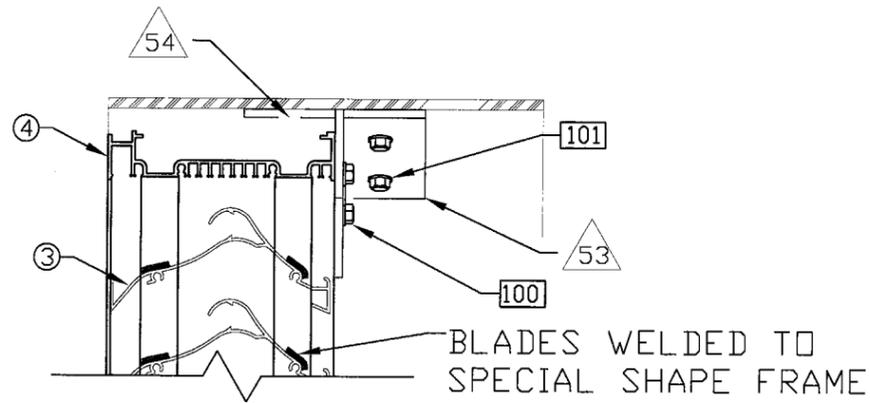
Florida Firm No: F-01000005061  
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*[Signature]*  
MAY 05 2009

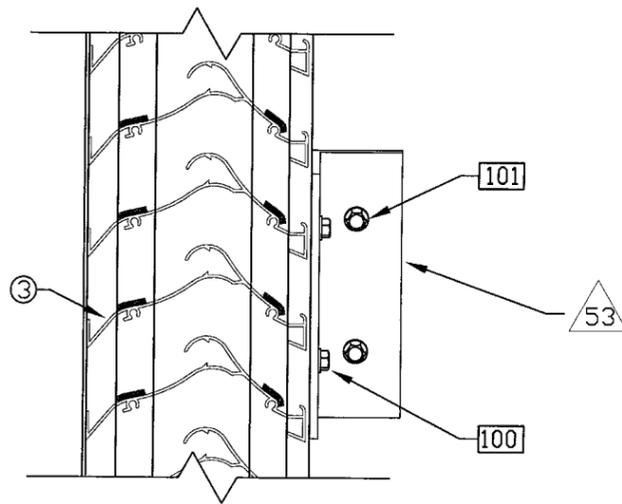


REVISION: 2-23-09	PROJECT: DC-5704	<b>Construction Specialties™</b> 49 MEEKER AVENUE, CRANFORD, NEW JERSEY PHONE: 1-800-631-7379 / FAX: 908-272-5844
DATE: 10-02-08	TITLE: LAYOUT DRAWINGS	
SHEET: 4 OF 6	SCALE: 3/4"=1'-0"	
DRW NO: RD-1075	DRW BY: R. GEIST	

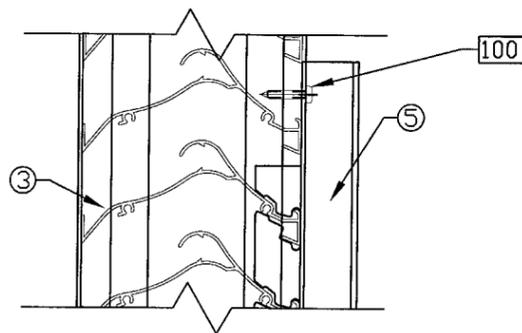




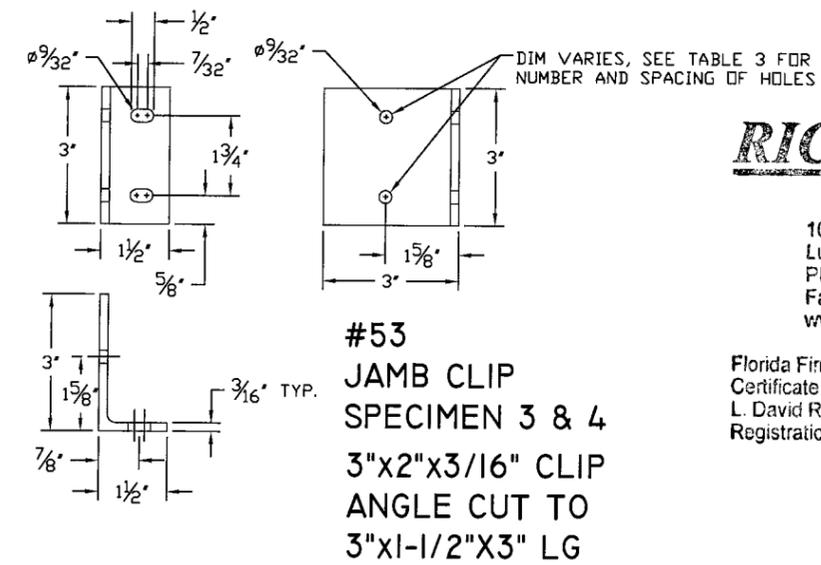
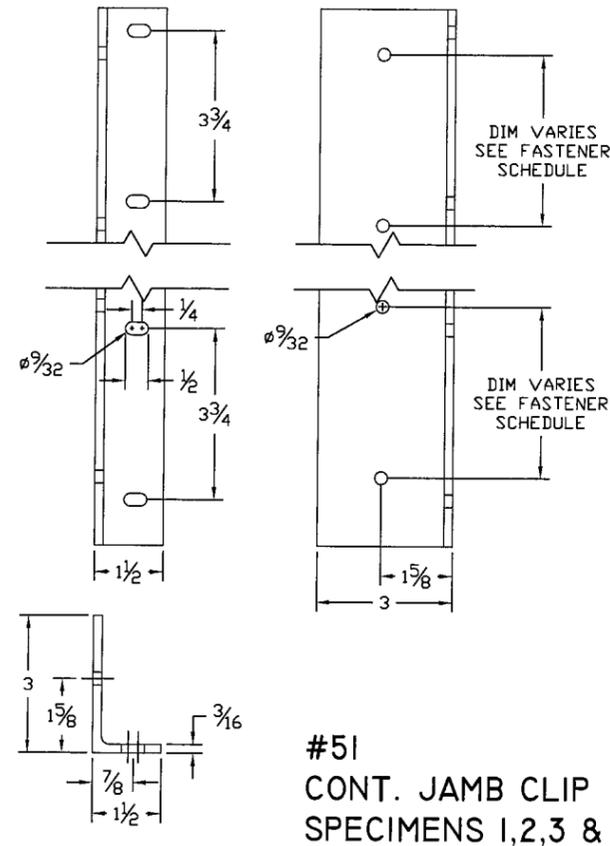
Detail  
SCALE: NTS  
SP-3 & 4



Detail  
SCALE: NTS  
SP-3 & 4



Detail  
SCALE: NTS  
SP-3 & 4



Approved as complying with the  
Florida Building Code  
Date: 06/03/2009  
NOAH: 09-0510.06  
Miami Design Control  
Division:  
By: *[Signature]*

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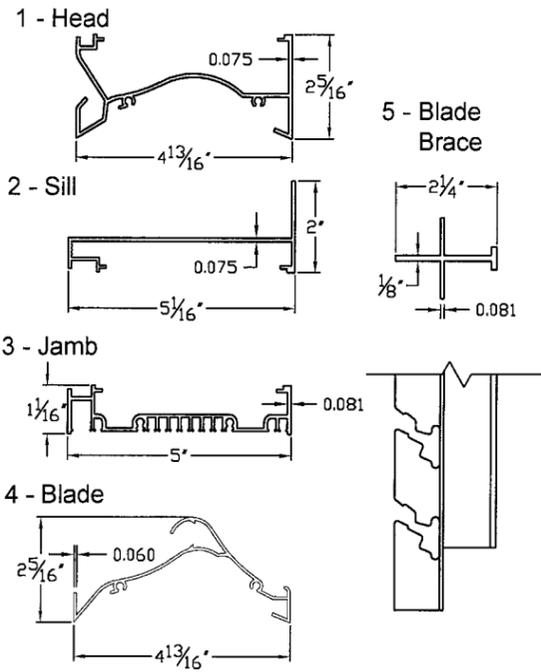
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MAY 05 2009

PROJECT: DC-5704	REVISION: 2-23-09
TITLE: LAYOUT DRAWINGS	DATE: 10-02-08
SCALE: 3"=1'-0"	SHEET: 5 OF 6
DRW BY: R. GEIST	DRW NO: RD-1075

**Construction Specialties™**  
49 MEEKER AVENUE, CRANFORD, NEW JERSEY  
PHONE: 1-800-631-7379 / FAX: 908-272-5844





LOUVER BLADE SPAN	
Louver Width (feet & inches)	Allowable Wind Load PSF
12'	130
11' - 6"	133
11' - 0"	135
10' - 6"	138
10' - 0"	140
9' - 6"	143
9' - 0"	145
8' - 0" and shorter	150

TABLE 1 - PARTS LIST		
ITEM	PART	DESCRIPTION
1	HEAD	6063-T6 ALUMINUM 0.075 THK
2	SILL	6063-T6 ALUMINUM 0.075 THK
3	BLADE	6063-T6 ALUMINUM 0.060 THK
4	JAMB	6063-T6 ALUMINUM 0.081 THK
5	BLADE BRACE	6063-T6 ALUMINUM 0.125 THK
51	JAMB ANGLE	1 1/2"x3"x3/16" CONT. ALUM ANGLE - 6061 T6
53	JAMB CLIP ANGLE	2"x3"x3/16"x3" LG ALUM. JAMB CLIP ANGLE - 6061 T6
71	CONCRETE	2000# CONCRETE
72	CMU	GROUT FILLED CONCRETE MASONRY UNIT
73	STRUCTURAL STEEL	3/16" THK MIN.
74	STEEL STUD	16 GA MINIMUM
75	ALUMINUM PLATE	1/8" MINIMUM
76	WOOD	G = 0.42 MINIMUM

CONTINUOUS CLIP BUILDING ATTACHMENT FASTENER SCHEDULE (TABLE 2)					
PART NUM.	FASTENER DESCRIPTION	SUBSTRATE	MAX. SPACING	MIN. EDGE DIST.	MIN. EMBED.
100	1/4" SS OR COATED CARBON STEEL SELF DRILLING OR SELF TAPPING SHEET METAL SCREW	0.081 ALUMINUM MULLION	3 3/4"	3/8"	N/A
101	1/4" SS OR COATED CARBON STEEL SELF DRILLING OR SELF TAPPING SHEET METAL SCREW	.060 COLD FORMED STEEL	4 3/4"	1/2"	N/A
101	1/4" COATED CARBON STEEL SELF DRILLING OR SELF TAPPING SHEET METAL SCREW	1/4" STRUCTURAL STEEL	9"	1/2"	N/A
102	1/4" DIA HILTI KB III	GROUT FILLED CMU	6"	2"	4"
103	CARBON STEEL OR STAINLESS STEEL 1/4" TAPCON OR EQUIV.	2000 lb. CONCRETE	6"	3"	1 3/4"
104	1/4" SS OR COATED CARBON STEEL SELF DRILLING	ALUMINUM (1/8" MIN)	4"	1/2"	N/A
105	1/4" SS OR PLATED CARBON STEEL WOOD SCREW	WOOD	3"	2 1/2"	2 1/2"

SPECIAL SHAPE LOUVER FASTENER SCHEDULE - CLIPS 1-1/2"x3"x3" LONG (TABLE 3)										
PART NUM.	FASTENER DESCRIPTION	SUBSTRATE	NUM. SCREWS	SCREW SPACING	MIN. EDGE DIST.	MIN. EMBED.	CLIP SPACING.			
100	1/4" SS OR COATED CARBON STEEL SELF DRILLING OR SELF TAPPING SHEET METAL SCREW	0.081 ALUMINUM MULLION	2	1 3/4"	N/A	3/8"	N/A			
101	1/4" SS OR COATED CARBON STEEL SELF DRILLING OR SELF TAPPING SHEET METAL SCREW	.060 COLD FORMED STEEL	2	1 3/4"	N/A	1/2"	9"			
101	1/4" SS OR COATED CARBON STEEL SELF DRILLING OR SELF TAPPING SHEET METAL SCREW	1/4" STRUCTURAL STEEL	1	N/A	N/A	1/2"	9"			
102	1/4" DIA HILTI KB III	GROUT FILLED CMU	1	N/A	2"	4"	9"			
103	CARBON STEEL OR STAINLESS STEEL 1/4" TAPCON OR EQUIV.	2000 lb. CONCRETE	1	N/A	3"	1 3/4"	6"			
104	1/4" SS OR COATED CARBON STEEL SELF DRILLING	ALUMINUM (1/8" MIN)	2	1 3/4"	1/2"	N/A	6"			
105	1/4" SS OR PLATED CARBON STEEL WOOD SCREW	WOOD	2	1 3/4"	2 1/2"	2 1/2"	6"			

Approved as complying with the Florida Building Code  
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 Miami Dade Product Control Division  
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 Registration No: 50923

MAY 05 2009

PROJECT: DC-5704  
 TITLE: LAYOUT DRAWINGS  
 SCALE: HALF  
 DRAWN BY: R. GEIST

REVISION: 2-23-09  
 DATE: 10-02-08  
 SHEET: 6 OF 6  
 DRW NO.: RD-1075

**Construction Specialties™**  
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