MIAMI-DADE COUNTY
DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

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

NOTICE OF ACCEPTANCE (NOA)

Construction Specialties, Inc.
49 Meeker Avenue
Cranford, NJ 07016

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 DC-5304 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **RD-132-1**, titled "DC-5304", sheets 1 and 2 of 2, dated 05/02/2002, with revision F dated 04/24/2024, prepared by Construction Specialties, Inc., signed and sealed by Wayne K. Helmila, 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, Del Rio, TX, 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 # 22-0208.01** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

06/10/24

NOA No. 24-0516.13
Expiration Date: October 4, 2027
Approval Date: June 20, 2024

Construction Specialties, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS ***"Submitted under NOA #17-0519.02"***

1. Drawing No. **RD-132-1**, titled "DC-5304", sheets 1 and 2 of 2, dated 05/02/2002 with revision **C** dated 05/17/2017, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E.

B. TESTS ***"Submitted under NOA # 12-0322.01"***

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 a DC-5304 Aluminum Louver, prepared by Architectural Testing, Inc., Report No. **B4423.01-109-18**, dated 03/12/2012, signed and sealed by Michael D. Stremmel, P.E.

"Submitted under NOA # 02-0621.03"

2. Test report on Large Missile Impact Resistant Test per PA 201, Air Pressure Test per PA 202 and Cyclic Pressure Test per PA 203 of "Aluminum Louver DC 5304," prepared by Architectural Testing, Inc, Report No.**01-41243.01**, dated 06/06/2002, signed and sealed by Allen N. Reeves, P.E.

C. CALCULATIONS ***"Submitted under NOA # 12-0322.01"***

1. Anchor verification calculations prepared by Rice Engineering, dated 07/13/2012, signed and sealed by L. David Rice, P.E.
"Submitted under NOA # 02-0621.03"

2. Analysis of Fasteners prepared, signed and sealed by Alexander K. Long, P.E, on 06/13/2002.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS ***"Submitted under NOA # 14-1021.12"***

1. Statement letter of code conformance to 5th edition (2014) FBC issued by Rice Engineering, dated 09/26/2014, signed and sealed by L. David Rice, P.E.
"Submitted under NOA # 12-0322.01"

2. Statement letters of code conformance to the 2007 and 2010 FBC and no financial interest issued by Rice Engineering, dated 07/13/2012, signed and sealed by L. David Rice, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0516.13
Expiration Date: October 4, 2027
Approval Date: June 20, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS ***"Submitted under NOA #17-0519.02"***

1. Drawing No. **RD-132-1**, titled "DC-5304", sheets 1 and 2 of 2, dated 05/02/2002 with revision **C** dated 05/17/2017, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E.

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2) Large Missile Impact Test per FBC, TAS 201-94
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D. QUALITY ASSURANCE

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

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Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0516.13
Expiration Date: October 4, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS

1. Drawing No. **RD-132-1**, titled "DC-5304", sheets 1 and 2 of 2, dated 05/02/2002 with revision **D** dated 11/22/2017, prepared by Construction Specialties, Inc., signed and sealed by Wayne K. Helmila, P.E., on 03/26//2018.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations prepared by Rice Engineering, dated 03/19/2018, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 6th edition (2017) FBC issued by Rice Engineering, dated 11/29/2017, signed and sealed by Wayne K. Helmila, P.E.

2. Statement letter of no financial interest issued by Rice Engineering, dated 01/17/2017, signed and sealed by Wayne K. Helmila, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0516.13
Expiration Date: October 4, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS

1. Drawing No. **RD-132-1**, titled "DC-5304", sheets 1 and 2 of 2, dated 05/02/2002, with revision e dated 04/19/2021, prepared by Construction Specialties, Inc., signed and sealed by Wayne K. Helmila, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 7th edition (2020) of the FBC and of no financial interest, issued by Rice Engineering, dated 11/11/2020, signed and sealed by Wayne K. Helmila, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0516.13
Expiration Date: October 4, 2027
Approval Date: June 20, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **RD-132-1**, titled "DC-5304", sheets 1 and 2 of 2, dated 05/02/2002, with revision with revision F dated 04/24/2024, prepared by Construction Specialties, Inc., signed and sealed by Wayne K. Helmila, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor verification calculations prepared by Rice Engineering, dated 02/15/2024, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 8th edition (2023) of the FBC, issued by Rice Engineering, dated 04/29/2024, signed and sealed by Wayne K. Helmila, P.E.

2. Statement letter of no financial interest, issued by Rice Engineering, dated 04/29/2024, signed and sealed by Wayne K. Helmila, P.E.

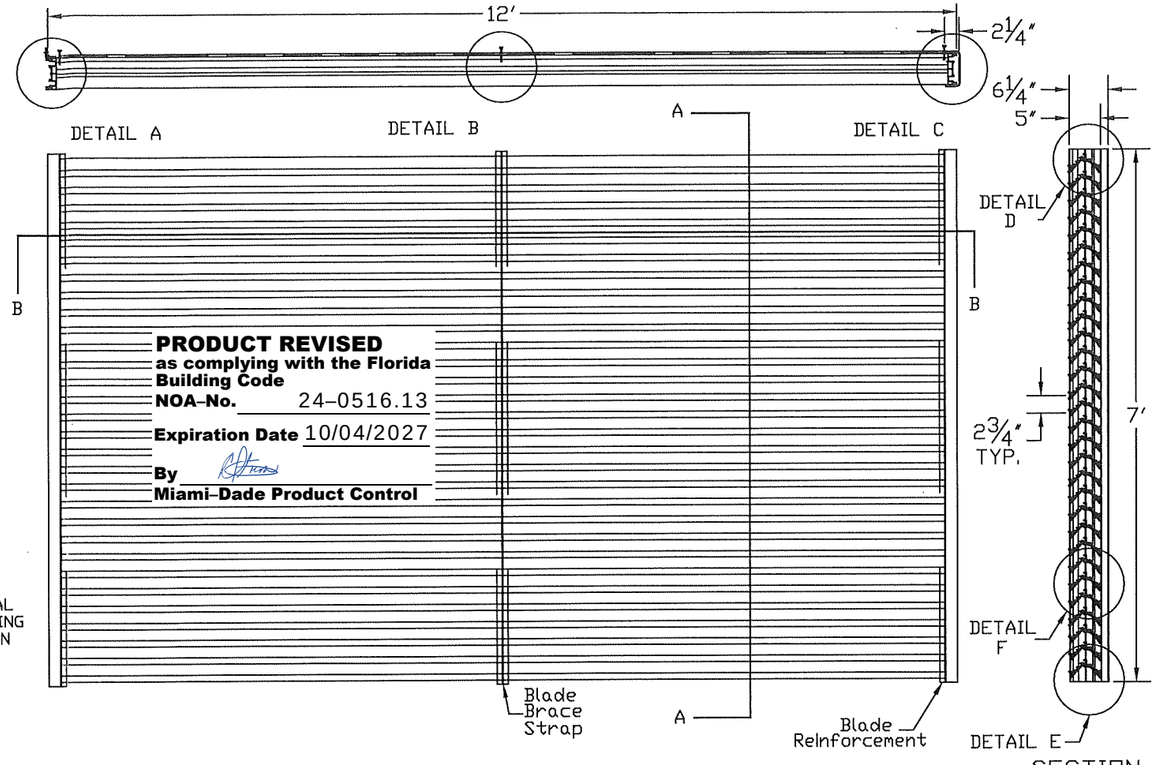
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0516.13
Expiration Date: October 4, 2027
Approval Date: June 20, 2024

GENERAL NOTES:

1) MAXIMUM ASSEMBLY SIZE=UNLIMITED HEIGHT, CONSISTING OF HORIZ. SECTIONS UP TO 12ft WIDE X MAX SHIPPING HEIGHT. UTILIZES AS MANY SECTIONS AS NECESSARY
2) WHEN LOUVER IS INSTALLED IN THE FIELD A HEAD/SILL EXTRUSION WILL BE SUBSTITUTED FOR THE TOP AND BOTTOM BLADE THE HEAD/SILL EXTRUSION HAS NO LOAD IMPOSED ON IT BY THE REST OF THE LOUVER AND IS STRONGER THAN THE BLADE IN THE WIND LOAD DIRECTION, THEREFORE IT WAS NOT INCLUDED ON THE TEST SPECIMENS - SEE INSTALLED LOUVER SKETCH SHEET 2 AND DETAILS G AND H
3) MAXIMUM BLADE LENGTH WITHOUT A BLADE BRACE NOT TO EXCEED 72". MAXIMUM BLADE LENGTH WITH A BLADE BRACE NOT TO EXCEED 144"
4) ALL FASTENERS SHALL BE STAINLESS STEEL SERIES 300 FASTENERS INCLUDING CONCRETE, AND MASONRY FASTENERS.
5) THIS LOUVER SYSTEM HAS BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED 120 PSF
6) THESE LOUVER SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE
7) THIS PRODUCT HAS BEEN TESTED IN ACCORDANCE WITH MIAMI DADE COUNTY PROTOCOLS TAS 201, 202, AND 203 FOR LARGE AND SMALL MISSILE IMPACT, STATIC AND CYCLIC WIND LOADING
8) SEPARATION OF UNPAINTED ALUMINUM AND DISSIMILAR MATERIALS TO BE MAINTAINED PER THE FLORIDA BUILDING CODE
9) THESE LOUVERS ARE 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 RESISTAN/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES
10) IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD TO VERIFY THE CAPACITY OF THE STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE LOUVERS.

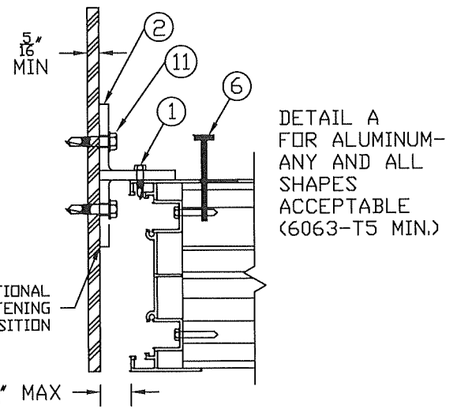
PARTS LIST:

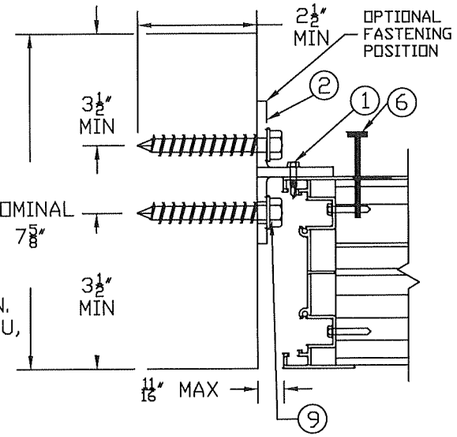
1 - No 10-16 X 3/4" self drilling SS screw 1-1/2" O.C.
2 - 2" X 2" X 1/4" angle - 6061 T6 aluminum
4 - Fabricated socket minimum 2 1/4" deep X .160" wall either steel or aluminum
5 - Jambs minimum thickness .081 alloy 6063 T5 aluminum
6 - Blade reinforcement 6063-T5 aluminum
7 - Blade brace alloy 6063-T5 aluminum
8 - Louver blade minimum thickness .060 alloy 6063-T6
9 - 3/8" DIA Hilti Kwik HUS-EZ screw anchor- CRC (Seal with Liquid Prosoco Flashing) on 6 o.c. for CMU
10 - 1/4"-20 x 1" lg self drilling screws or bolts on 12" o.c. for steel
11 - 1/4"-20 self drilling screws or bolts on 6" o.c. for aluminum
12 - #10 x 1 1/2" self drilling screw at top and bottom blade of each section
13 - #10 x 1 1/2" SMS 12" from top and bottom
14 - 3/8" DIA Hilti Kwik Bolt TZ2 anchor (SS 304/316) at 12" o.c., min embed = 2-1/2", min edge dist. = 4"



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 24-0516.13
Expiration Date 10/04/2027
By
Miami-Dade Product Control

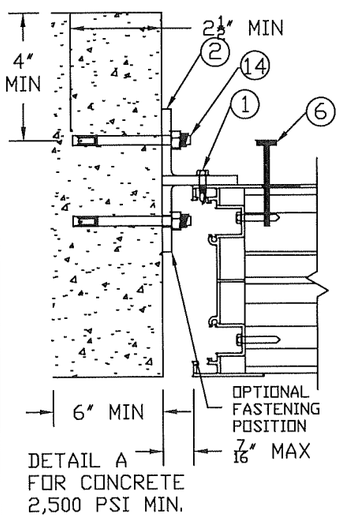
SECTION A - A

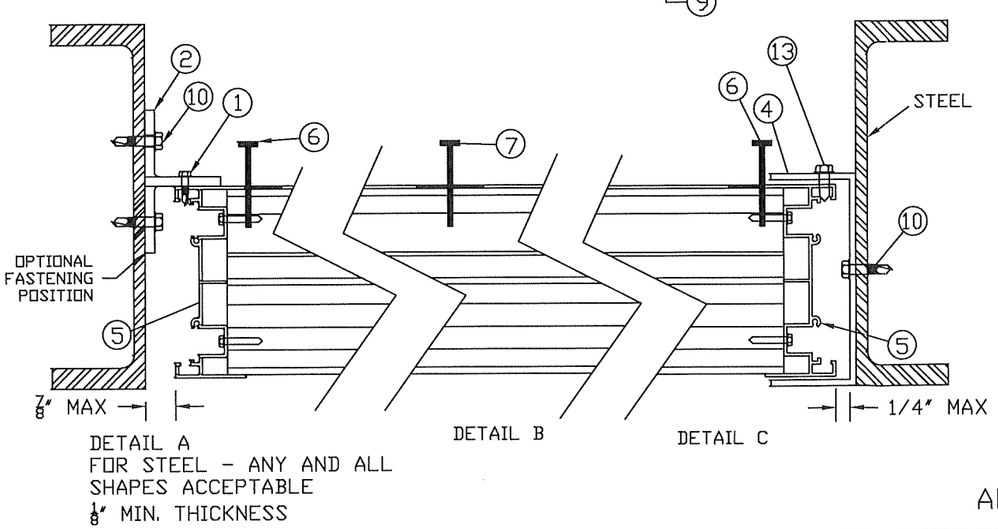


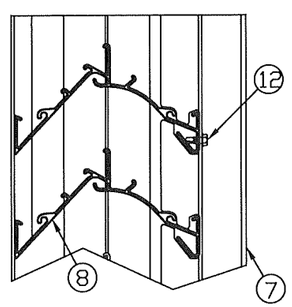


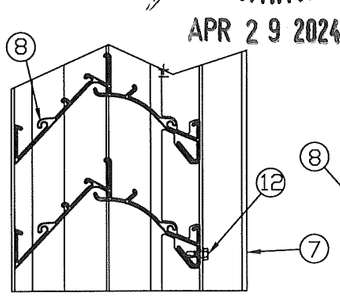
TEST SPECIMENS 1,2,3, AND 4

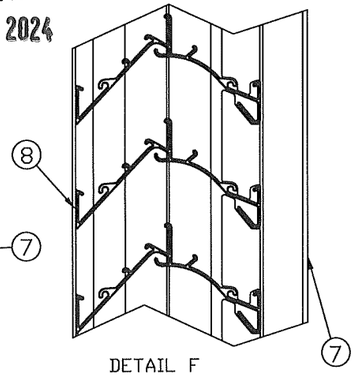
DESIGN PRESSURE RATING 120 PSF
LARGE AND SMALL MISSILE IMPACT RESISTANCE











ALL DETAILS ARE SCALED TO 3" = 1'-0"

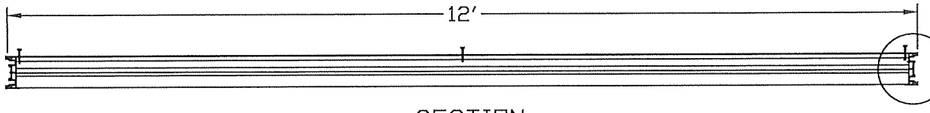
RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

WAYNE K. HELMILA LICENSE No. 59092 STATE OF FLORIDA PROFESSIONAL ENGINEER

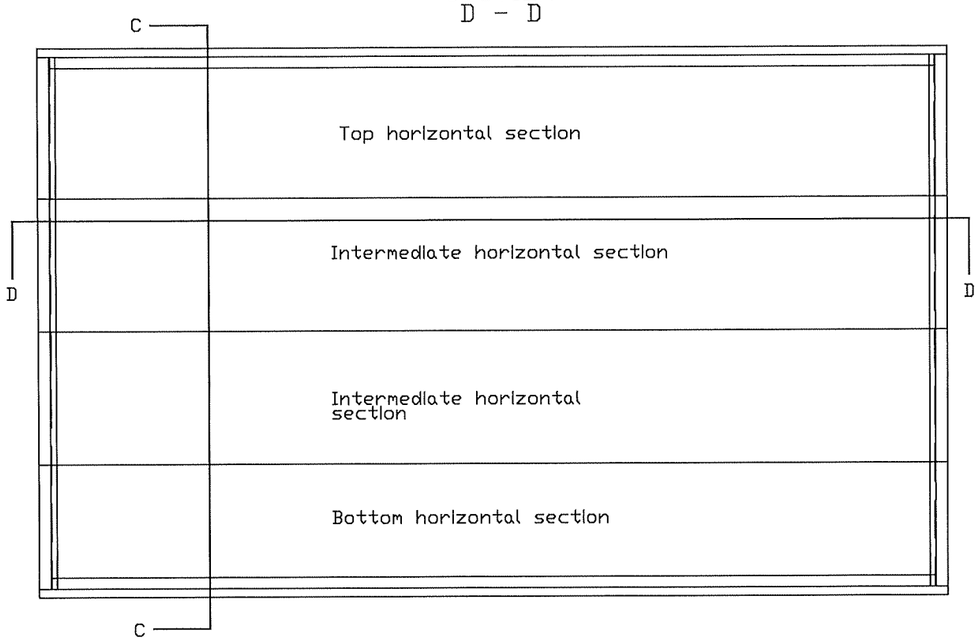
APR 29 2024

REVISION: F	04-24-2024
DATE: 5-02-02 (ORIGINAL)	
SHEET: 1 OF 2	
DRW NO : RD-132-1	
PROJECT: DC-5304	
TITLE: NOA SUBMITTAL DRAWINGS	
SCALE: 1/2" = 1'-0"	
DRW BY: R. GEIST	

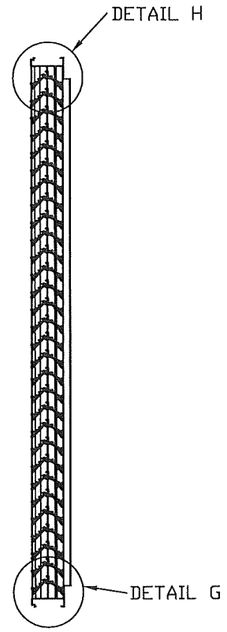
Construction Specialties
49 MEEKER AVENUE, CRANFORD, NEW JERSEY
PHONE: 1-800-631-7379 / FAX: 908-272-5844



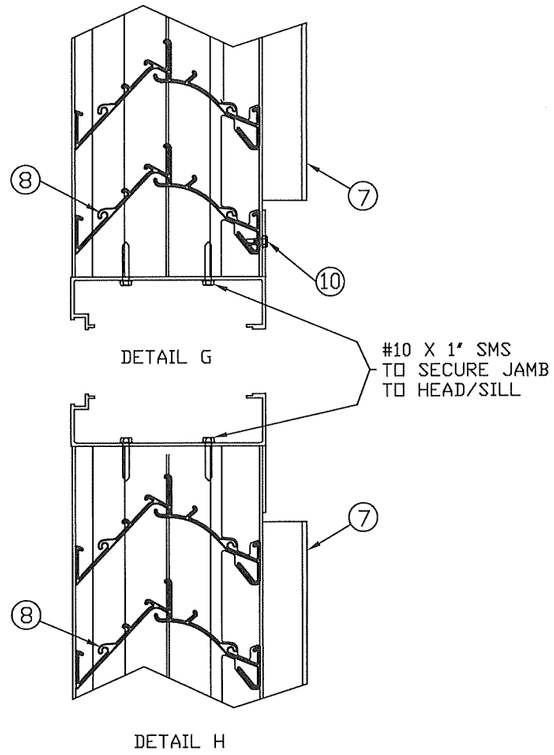
SECTION
D - D

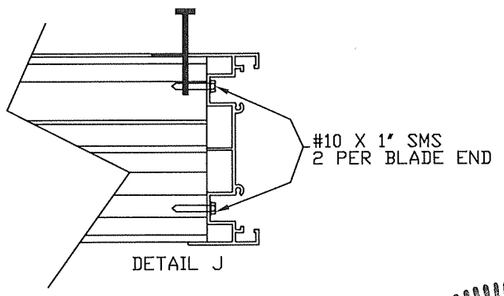


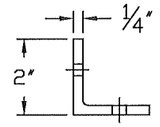
INSTALLED LOUVER SKETCH



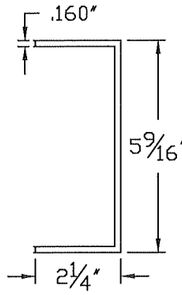
SECTION
C - C



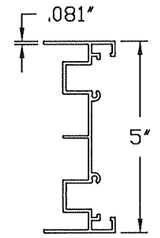




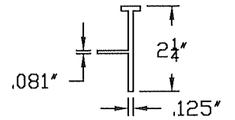
2 - alum angle
6061 T6
for Steel
Concrete, CMU
and Aluminum



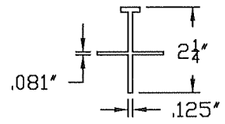
4 - Fabricated
socket



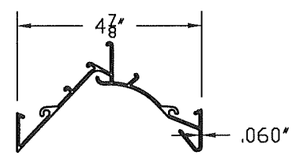
5 - Jambs



6 - Blade
Reinforcement



7 - Blade brace



8 - Blade

PRODUCT REVISED
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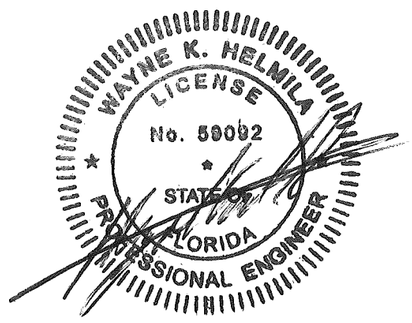

APR 29 2024

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Phone: (920) 617-1042
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www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

PROJECT: DC-5304
TITLE: NOA SUBMITTAL DRAWINGS
SCALE: 1/2" = 1'-0"
DRW BY: R. GEIST
REVISION: F 04-24-2024
DATE: 5-02-02 (ORIGINAL)
SHEET: 2 OF 2
DRW NO : RD-132-I

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PHONE: 1-800-631-7379 / FAX: 908-272-5844