



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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

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-6804 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **RD-794**, titled "DC-6804 Submittal Drawings", sheets 1 through 6 of 6, dated 10/02/2013, with revision 4 dated 01/31/2024, 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.

LIMITATION: This louver has not been evaluated for compliance with the impact testing standard ANSI/AMCA 540.

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 # 20-1222.11** and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

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

04/04/24



NOA No. 24-0226.04
 Expiration Date: April 9, 2025
 Approval Date: April 11, 2024
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS “Submitted under NOA # 15-0826.35”

1. Drawing No. **RD-794**, titled “DC-6804 Submittal Drawings”, sheets 1 through 6 of 6, dated 10/02/2013, with revision **1** dated 06/25/2015, prepared by the manufacturer, signed and sealed by L. David Rice, P.E.

B. TESTS “Submitted under NOA # 15-0826.35”

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 DC-6804 Aluminum Louver, prepared by Intertek/Architectural Testing, Inc., Report No. **E7307.01-109-18**, dated 06/19/2015, signed and sealed by Michael D. Stremmel, P.E.
2. Test Report on High Velocity Wind Driven Rain Resistance per AMCA 550-09 of a Model DC-6804 Aluminum Vertical Louver, prepared by Intertek/Architectural Testing, Inc, Test Report No. **E4141.01-602-44**, dated 01/13/2015, signed and sealed by Joseph A. Reed, P.E.

“Submitted under NOA # 13-0606.11”

3. 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 DC-6804 Aluminum Louvers, prepared by Architectural Testing, Inc., Report No. **D0121.01-109-18**, dated 10/04/2013, signed and sealed by Michael D. Stremmel, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0226.04
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS “Submitted under NOA # 15-0826.35”

1. Anchor and structural calculations prepared by Rice Engineering, dated 07/21/2015, signed and sealed by L. David Rice, P.E.

“Submitted under NOA # 13-0606.11”

2. Anchor and structural calculations prepared by Rice Engineering, dated 02/03/2015, signed and sealed by L. David Rice, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS “Submitted under NOA # 15-0826.35”

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Rice Engineering, dated 07/21/2015, signed and sealed by L. David Rice, P.E.

2. Statement letter of no financial interest issued by Rice Engineering, dated 07/21/2015, signed and sealed by L. David Rice, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0226.04
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 20-0129.01

A. DRAWINGS

1. None.

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 the 6th Edition (2017) FBC issued by Rice Engineering, dated 01/10/2020, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letters of no financial interest issued by Rice Engineering, dated 01/10/2020, signed and sealed by Wayne K. Helmila, P.E.



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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER NOA # 20-1222.11 AND NEW

A. DRAWINGS

1. Drawing No. **RD-794**, titled “DC-6804 Submittal Drawings”, sheets 1 through 6 of 6, dated 10/02/2013, with revision 4 dated 01/31/2024, prepared by Construction Specialties, Inc., signed and sealed by Wayne K. Helmila, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor and structural calculations prepared by Rice Engineering, dated 12/19/2023, 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 01/31/2024, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter of no financial interest, issued by Rice Engineering, dated 01/31/2024, signed and sealed by Wayne K. Helmila, P.E.

“Submitted under NOA # 20-1222.11”

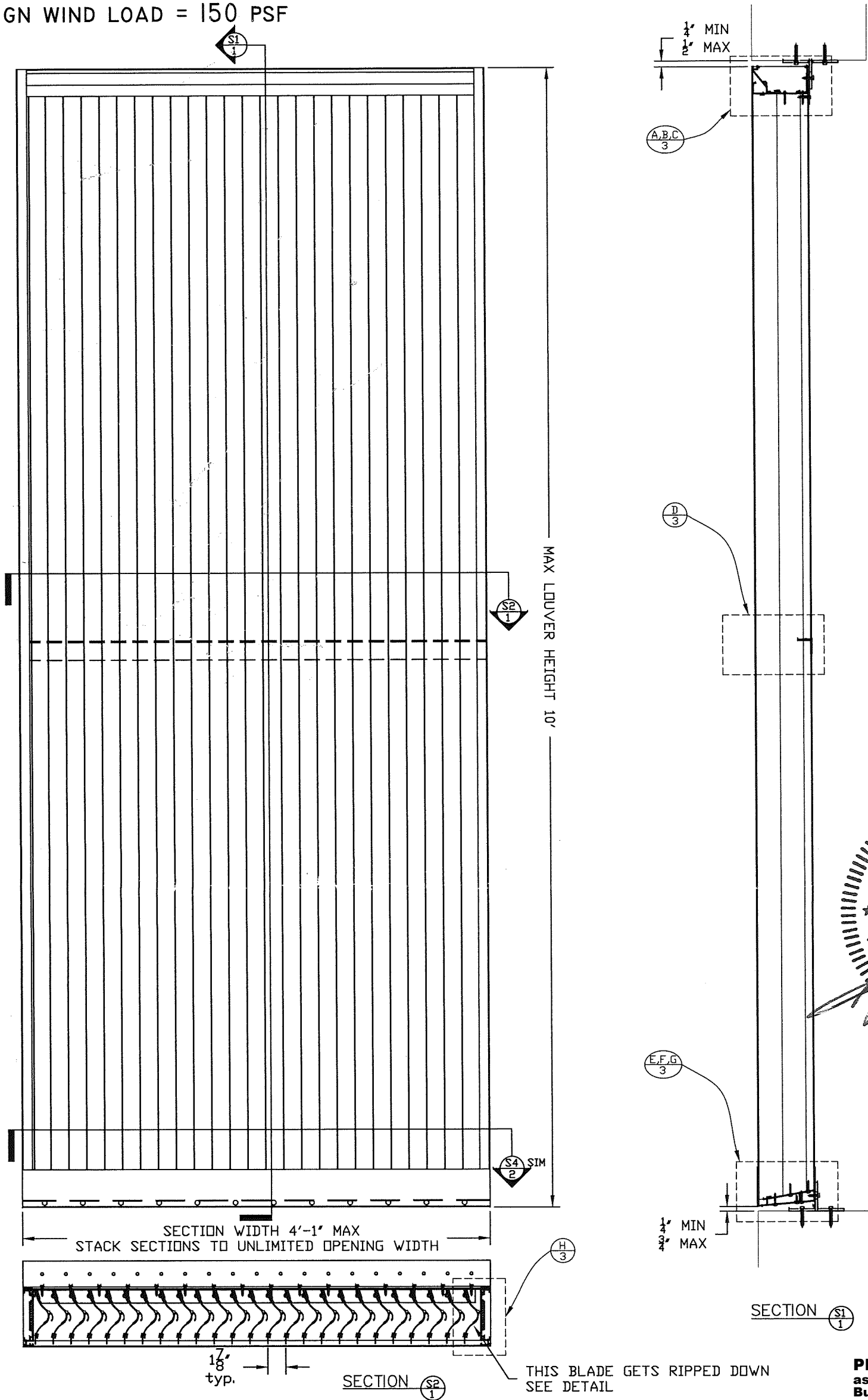
3. Statement letter of code conformance to 7th edition (2020) of the FBC, issued by Rice Engineering, dated 11/11/2020, signed and sealed by Wayne K. Helmila, P.E.
4. Statement letter of no financial interest, issued by Rice Engineering, dated 11/11/2020, signed and sealed by Wayne K. Helmila, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
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SPECIMEN I

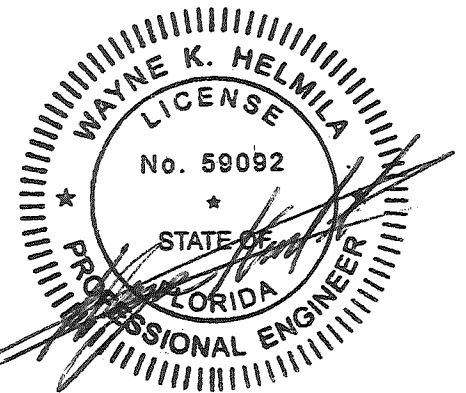
DESIGN WIND LOAD = 150 PSF



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



JAN 31 2024

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 24-0226.04

Expiration Date 04/09/2025

By *[Signature]*
Miami-Dade Product Control

- 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 Series 300 condition CW, Fy=65 ksi, Fu=110 ksi minimum, except fasteners specified in note 13 of this sheet 1.
- 4) All block grout substrate shall be a minimum of 2000 psi.
- 5) Section widths and heights are limited as shown in elevations and details.
- 6) Each fastener used must be detailed on the drawing and verified on the NOA.
- 7) Separation of unpainted aluminum and dissimilar materials to be maintained by the installer.
- 8) This louver system has been tested, analyzed and approved for design pressures up to and including +/-150 PSF.
- 9) Individual section sizes limited to 41 sq. ft.
- 10) Stack sections horizontally to an unlimited opening width without any additional vertical framing.
- 11) Louver Construction - Head, sill and jambs are constructed of extruded aluminum. The corners are coped and butted, secured with (3) #10 x 1 1/2" hex head screws at each corner, through the sill into the jambs and through the jambs into the head. The blades are secured to the head and sill using (2) #10 x 1 1/2" hex head screws and a weld, 1/8" x 1/2" long, on both sides of the blade at each blade end.
- 12) These louvers have been designed and tested in accordance with AMCA 540 Test Method for Louvers Impacted by Wind Borne Debris (Basic Protection, Missile Level D and Enhanced Protection, Missile Level E). These louvers have been designed and tested in accordance with AMCA 550 Test Method for High Velocity Wind Driven Rain Resistant Louvers. Minimum section size to be 16" x 16". Passing AMCA 550 significantly reduces rain penetrating the space behind the louvers. Per Miami-Dade D.R.E.R.: the louver may be installed in a location where the room behind the louver is NOT DESIGNED to drain water penetrating into the room and the room will house non waterproof or non water resistant equipment, components or supplies.
- 13) A horizontal blade stiffener angle is required if section height is greater than 60".

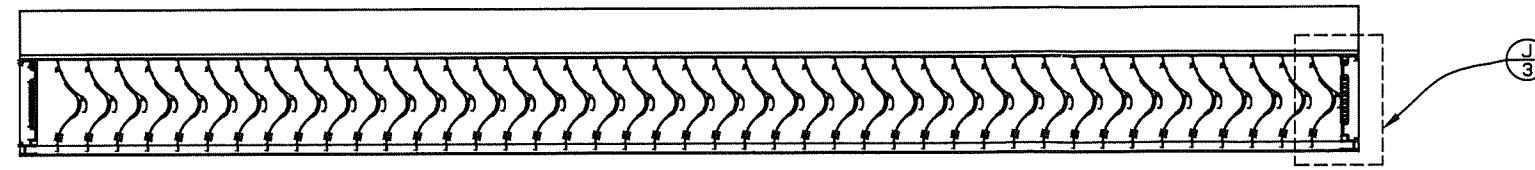
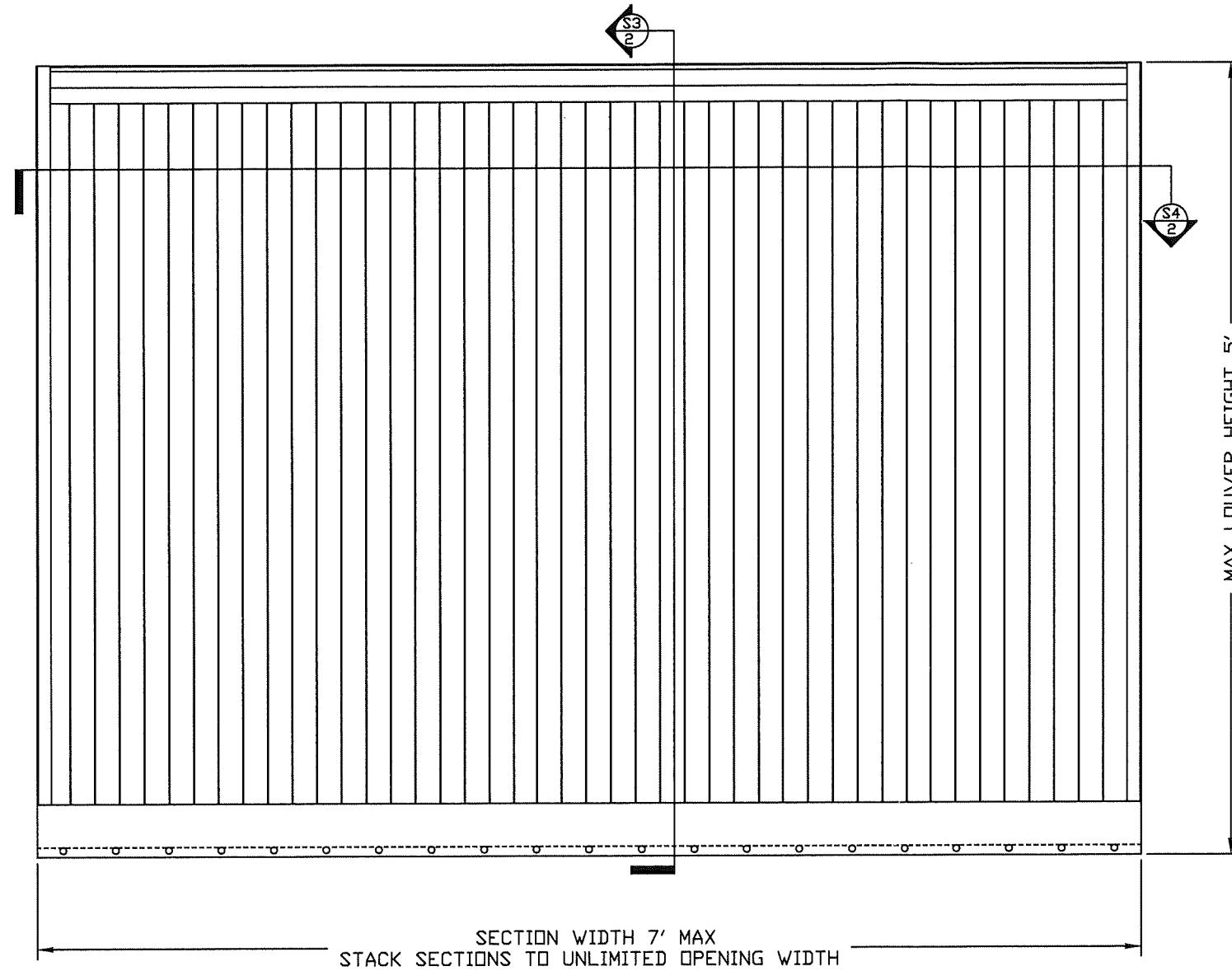


Construction Specialties™
49 MEEKER AVENUE, CRANFORD, NEW JERSEY
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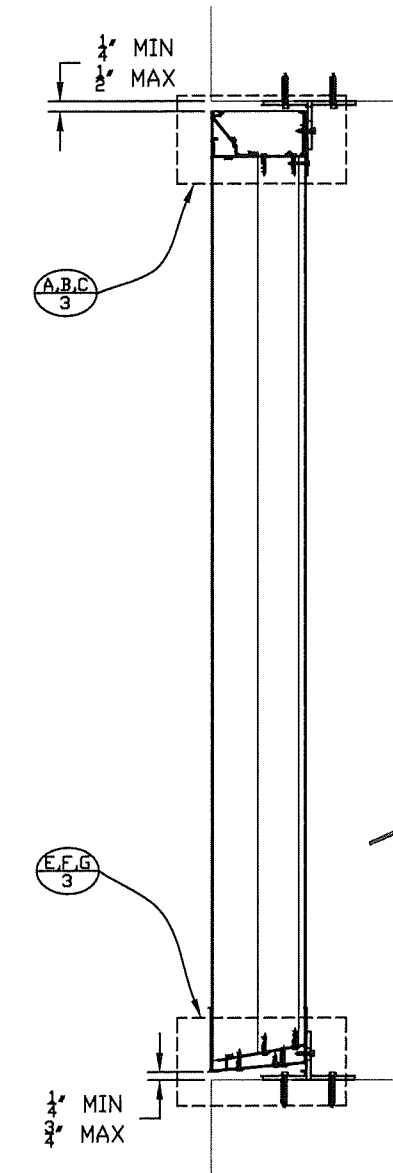
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TITLE: SPECIMEN I	DATE: 10-02-13
SCALE: 1" = 1'	SHEET: 1 OF 6
DRW BY: R. GEIST	DRW NO: RD-794-1

SPECIMEN 2

DESIGN WIND LOAD = 150 PSF



SECTION S4/2



SECTION S3/3



JAN 3 1 2024

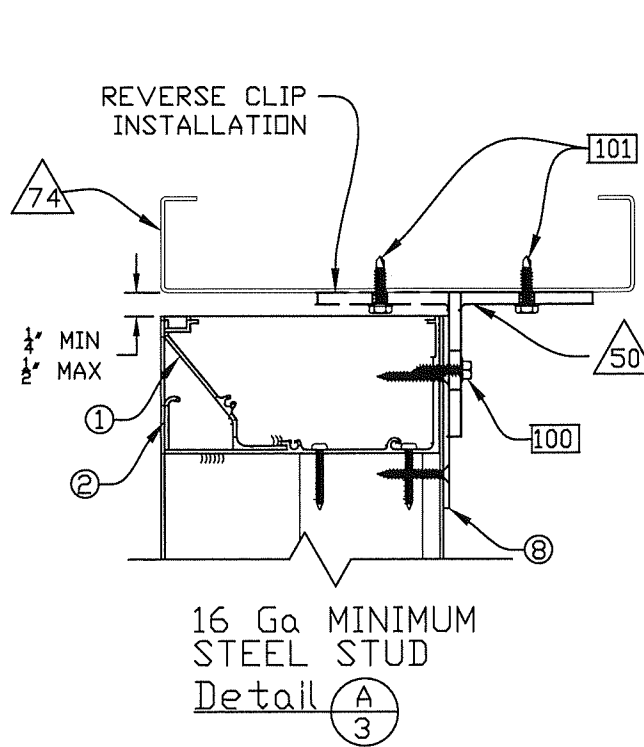
PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. 24-0226.04
 Expiration Date 04/09/2025
 By *[Signature]*
 Miami-Dade Product Control

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

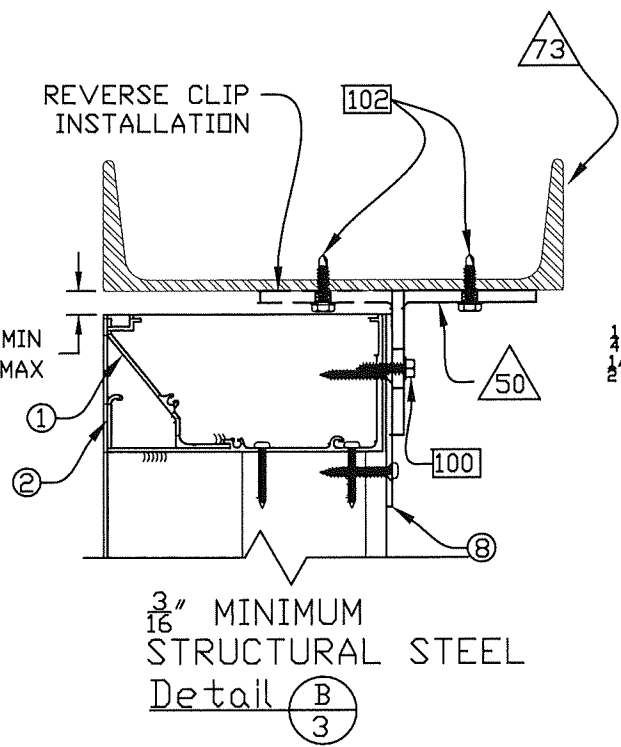
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TITLE: SPECIMEN 2	DATE: 10-02-13	
SCALE: 1" = 1'	SHEET: 2 OF 6	
DRW BY: R. GEIST	DRW NO: RD-794-2	

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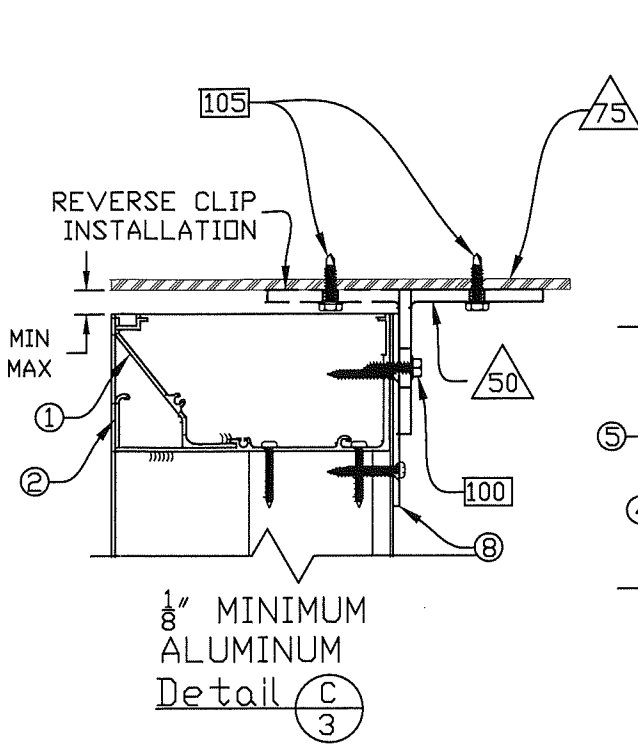


16 Ga MINIMUM STEEL STUD
Detail (A)
3



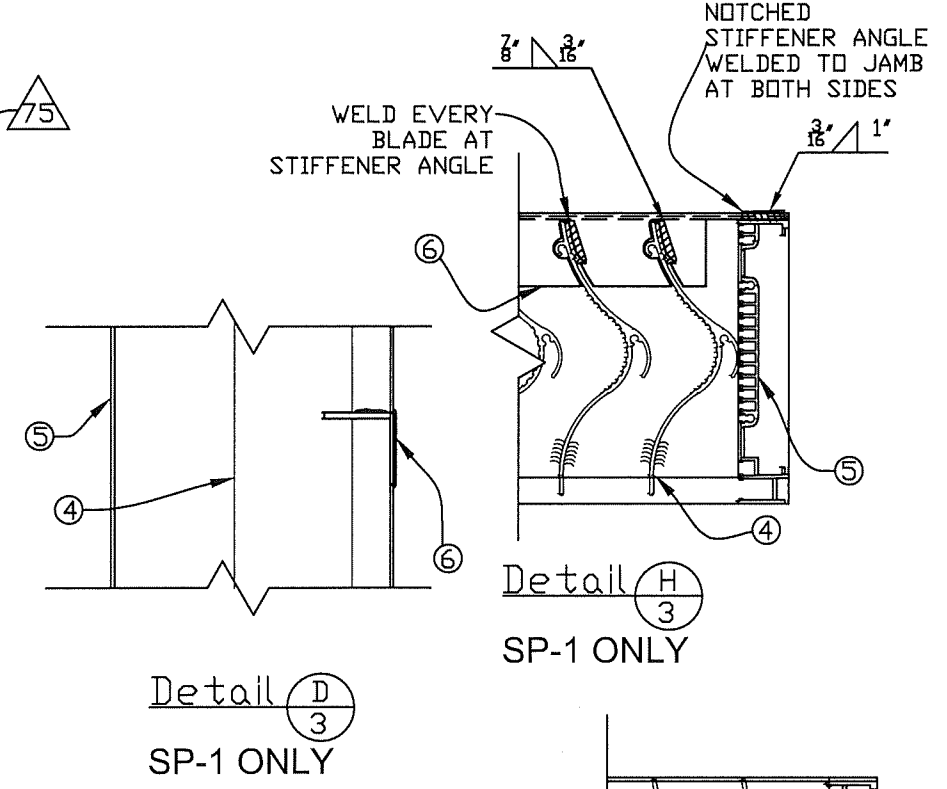
3/16" MINIMUM STRUCTURAL STEEL
Detail (B)
3

ALL STEEL SHAPES ACCEPTABLE



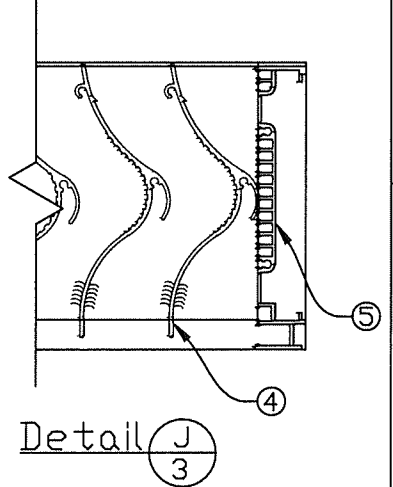
1/8" MINIMUM ALUMINUM
Detail (C)
3

ALL ALUMINUM SHAPES ACCEPTABLE



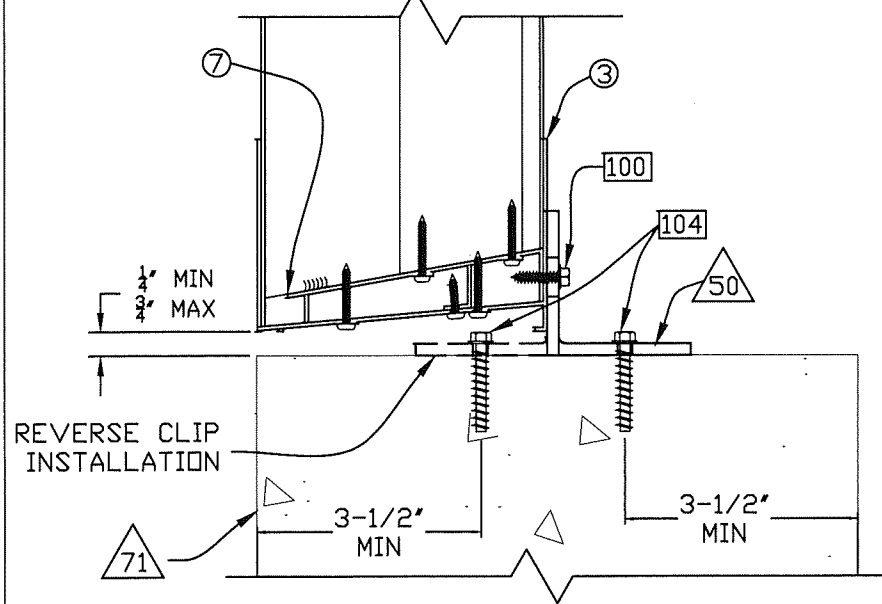
Detail (D)
3
SP-1 ONLY

Detail (H)
3
SP-1 ONLY



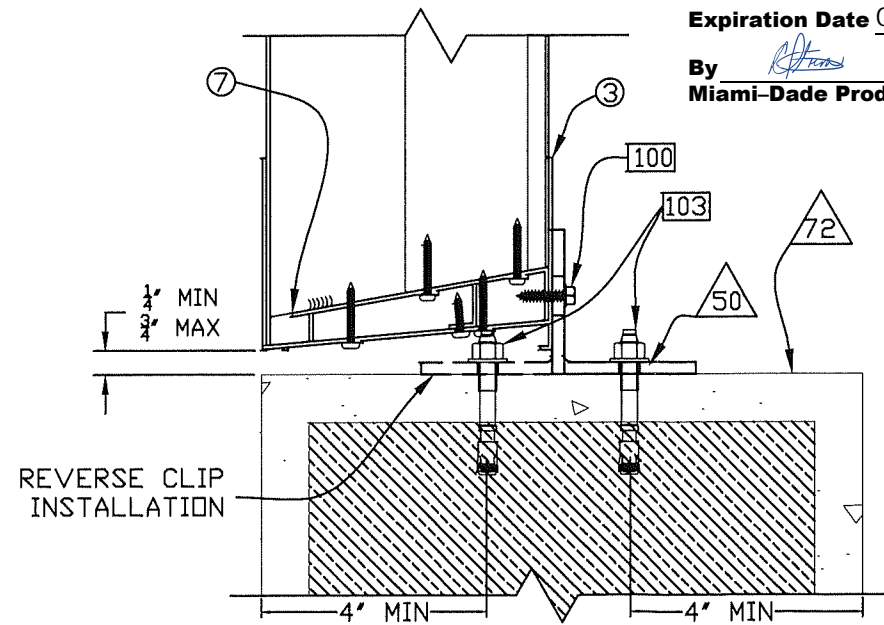
Detail (J)
3

NOTE: ALL SUBSTRATES SHOWN HERE CAN BE USED FOR HEAD AND/OR SILL CONDITIONS.



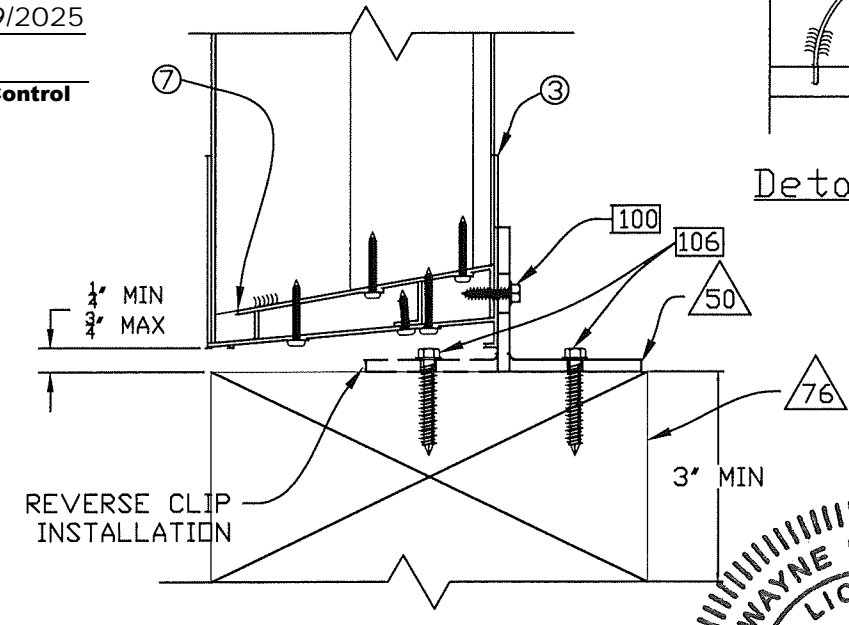
4,000 PSI MIN CONCRETE
Detail (E)
3

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

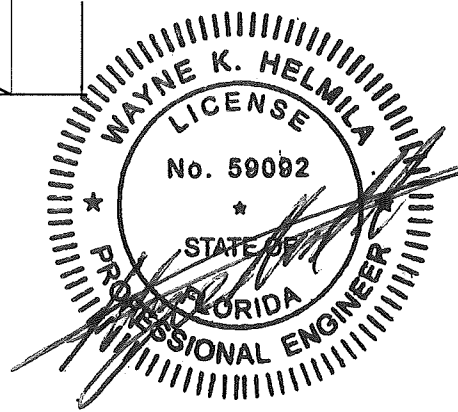


GROUT FILLED CMU (2,000 PSI MIN)
Detail (F)
3

Max Design Pressure for CMU Anchors is 65 PSF. Any Design Pressure higher than 65 psf will require a site specific CMU Anchor Design.



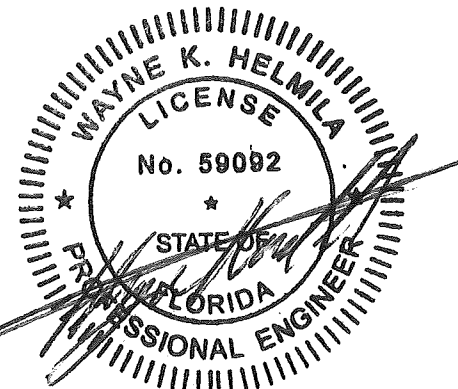
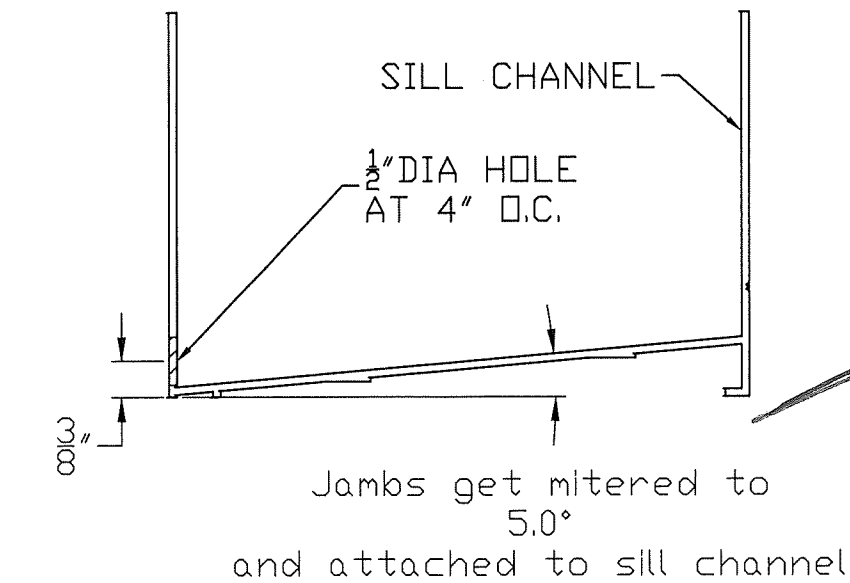
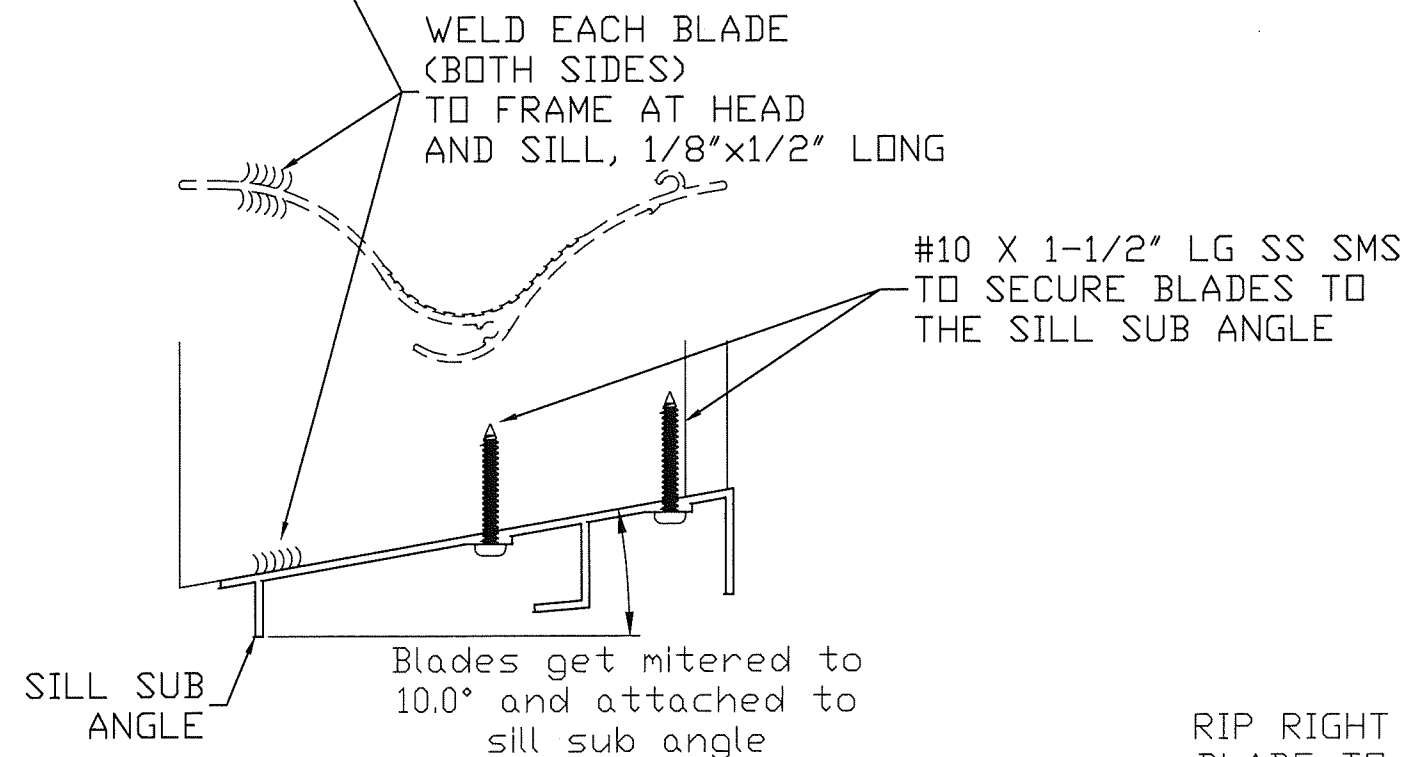
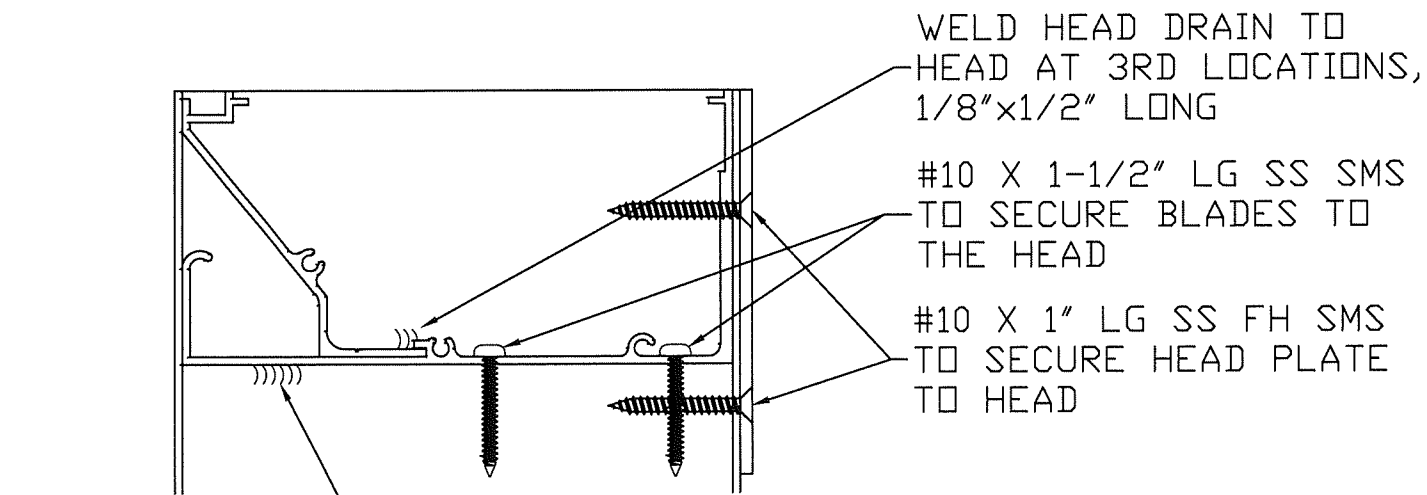
WOOD G=0.42 MIN.
Detail (G)
3



REVISION: 4	01-31-2024
DATE: 10-02-13	
SHEET: 3 OF 6	
DRW NO: RD-794-3	
PROJECT: DC-6804 SUBMITTAL DRAWINGS	
TITLE: DETAILS	
SCALE: 3" = 1'	
DRW BY: R. GEIST	

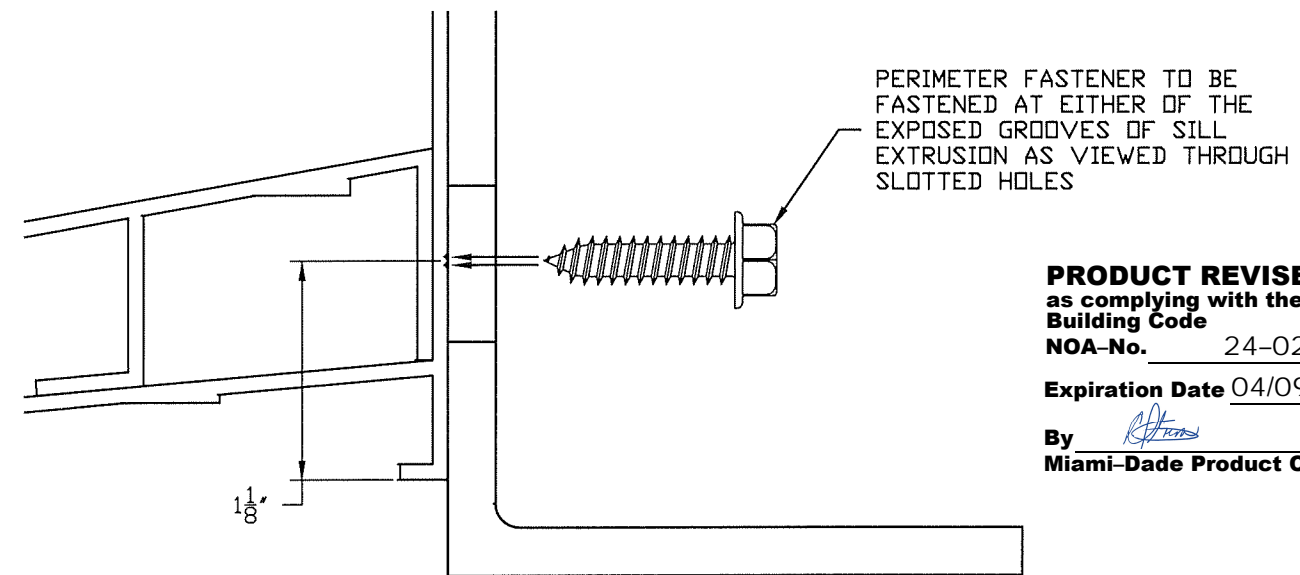
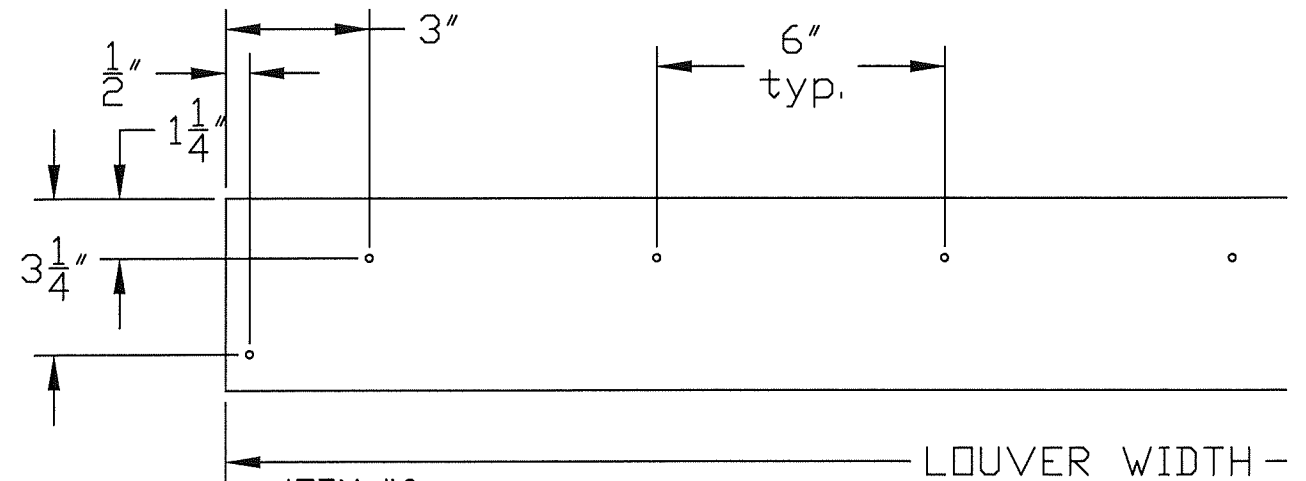
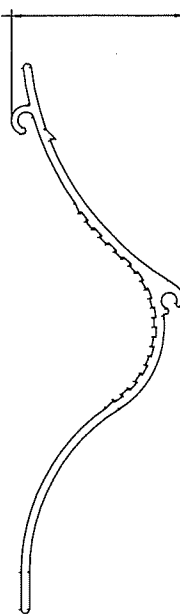
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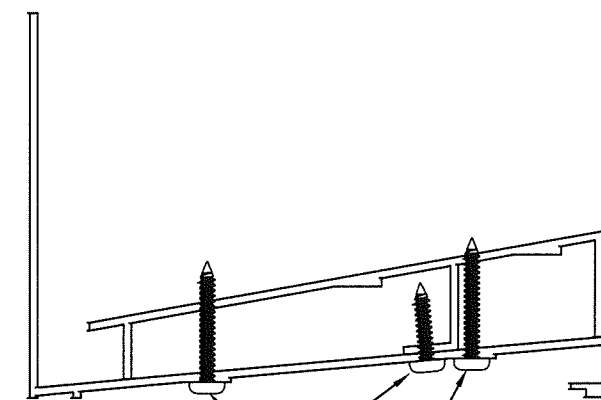
JAN 31 2024

RIP RIGHT BLADE TO 1.8192



PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 24-0226.04
Expiration Date 04/09/2025
By *[Signature]*
Miami-Dade Product Control

#10X3/4" LG SS SELF AT THIRD LOCATIONS.



REVISION: 4 01-31-2024
DATE: 10-02-13
SHEET: 4 OF 6
DRAW NO: RD-794-3

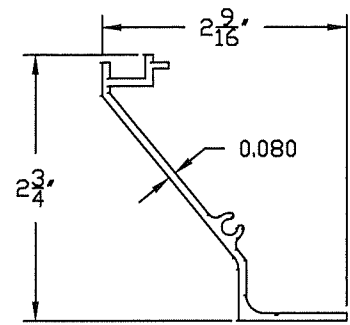
PROJECT: DC-6804 SUBMITTAL DRAWINGS
TITLE: DETAILS
SCALE: 3" = 1'
DRW BY: R. GEIST

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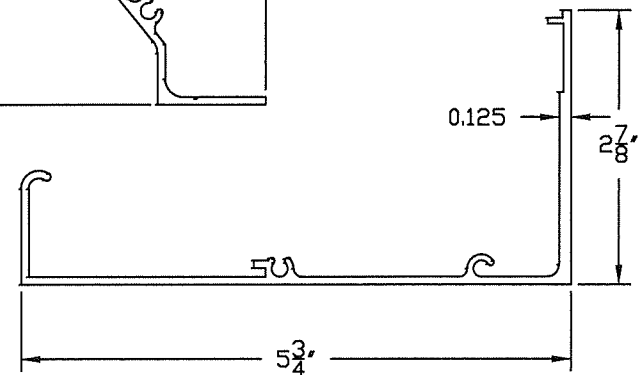


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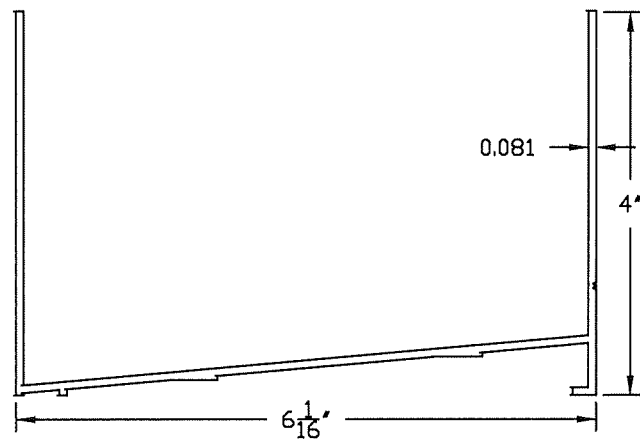
① - Head Drain



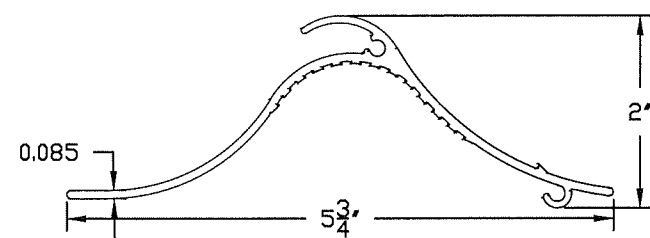
② - Head



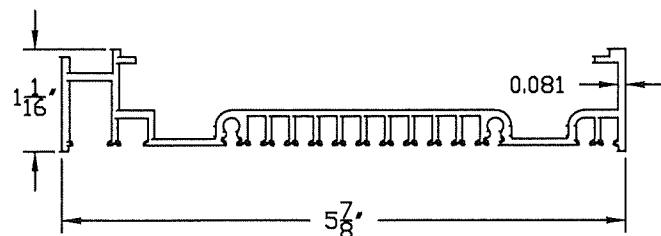
③ - Sill Channel



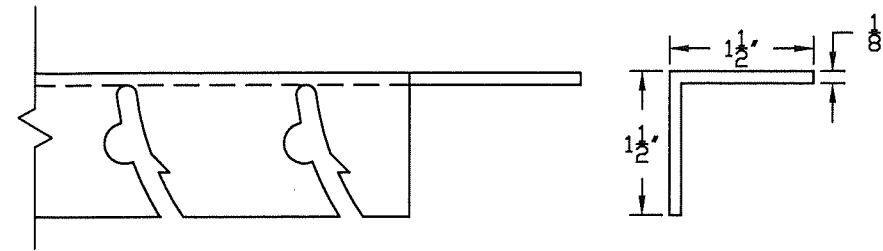
④ - Blade



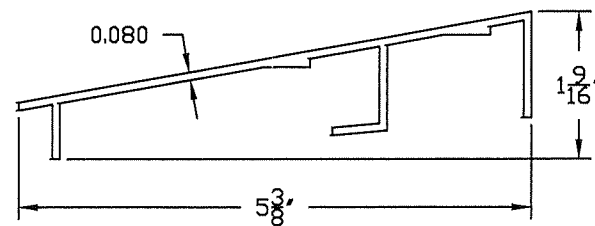
⑤ - Jamb



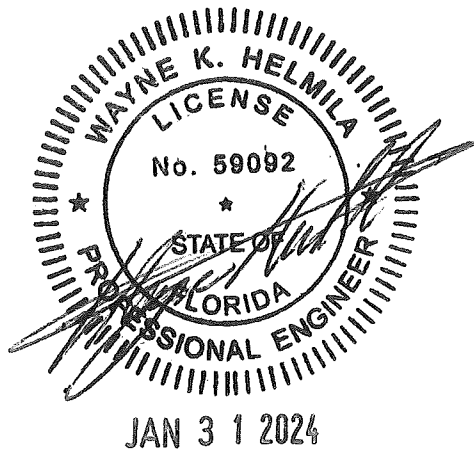
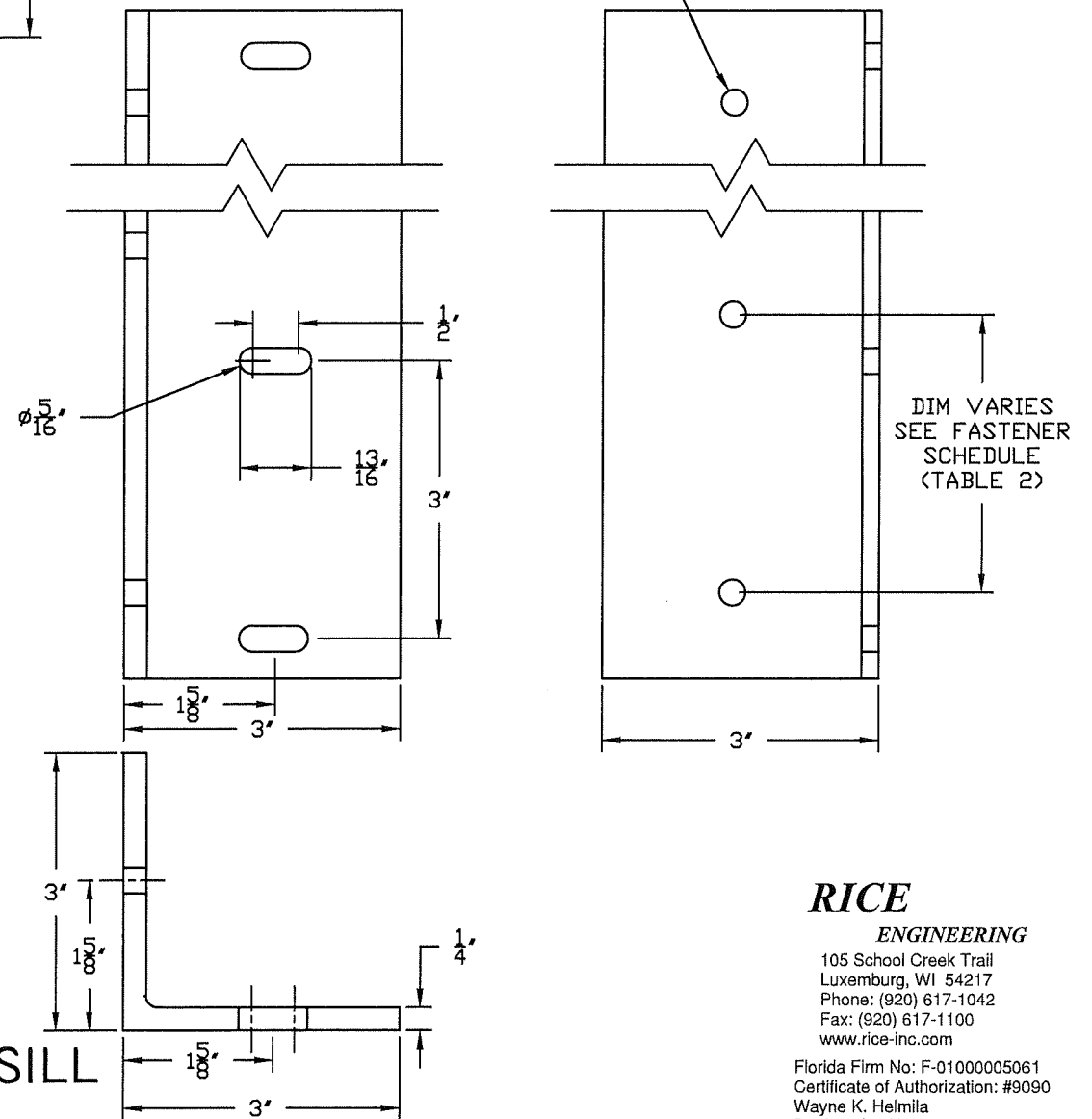
⑥ - Blade Stiffener Angle



⑦ - Sill Sub Angle



HOLE SIZE VARIES
SEE FASTENER
SCHEDULE
(TABLE 2)



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0226.04
Expiration Date 04/09/2025
By *[Signature]*
Miami-Dade Product Control


50 - HEAD/SILL
ANGLE

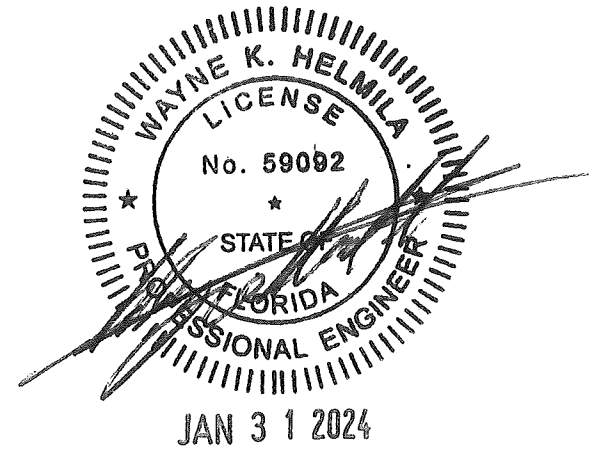
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PROJECT: DC-6804, SUBMITTAL DRAWINGS
TITLE: PARTS
SCALE: HALF SCALE
DRW BY: R. GEIST
REVISION: 4 01-31-2024
DATE: 10-02-13
SHEET: 5 OF 6
DRW NO: RD-794-4

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ALL S.S. FASTENERS SPECIFIED IN THIS
FASTENER SCHEDULE TABLE 2 MUST BE
PROVIDED AS SERIES 300 S.S.

TABLE 1 - PARTS LIST		
ITEM	PART	DESCRIPTION
1	HEAD DRAIN	6063-T6 ALUMINUM 0.080 THK
2	HEAD	6063-T6 ALUMINUM 0.125 THK
3	SILL CHANNEL	6063-T6 ALUMINUM 0.081 THK
4	BLADE	6063-T6 ALUMINUM 0.085 THK
5	JAMB	6063-T6 ALUMINUM 0.081 THK
6	BLADE STIFFENER ANGLE	1 1/2"x 1 1/2"x 1/8" CONT. ALUM ANGLE - 6061 T6
7	SILL SUB ANGLE	6063-T6 ALUMINUM 0.081 THK
8	HEAD PLATE	4"x0.125" ALUM SHEET
50	HEAD/SILL ANGLE	3"x3"x1/4" CONT. ALUM ANGLE - 6061 T6
71	CONCRETE	4,000 PSI CONCRETE
72	CMU	CMU FILLED WITH CONCRETE, f'm = 2,000 PSI MIN
73	STRUCTURAL STEEL	3/16" THK MIN. (A 36 MIN)
74	STEEL STUD	16 GA MIN. (FY = 33 KSI MIN.)
75	ALUMINUM	1/8" MIN. (FY = 25 KSI MIN.)
76	WOOD	SPRUCE PINE-FIR, S.G. = 0.42 MIN.

NOTE:
ANGLES MUST FULLY BEAR
AGAINST THE SUBSTRATE.
THEY MAY NOT HANG OVER THE
EDGE.

Fastener Schedule - (Table 2)

Part Num.	Fastener Description	Substrate	Screw Spacing	Min. Edge Dist.	Min. embed.
100	1/4"-14 SS self drilling or self tapping sheet metal screw	0.081 Aluminum Mullion (F _y = 25 Ksi min.)	3"	NA	NA
101	1/4"-14 SS Series 300 Elco Bi-flex, or Elco Dril-Flex or equiv. self drilling or self tapping sheet metal screw **	16 Ga. min. Steel Stud (F _y = 33 Ksi min.)	1 1/2"	1/2"	NA
102	1/4"-20 SS Series 300 Elco Bi-flex, or Elco Dril-Flex or equiv. self drilling or self tapping sheet metal screw w/ No. 3 or No.5 tip **	3/16" min. Structural Steel (A36 min.)	7"	1/2"	NA
103	1/2" DIA. Hilti KWIK-HUS EZ CRC Galvanized Anchor	Grout Filled CMU, 2000 psi min.	8"	2-1/4"	4-1/4"
104	3/8" Dia. S.S. 316 Hilti Kwik HUS-EZ ***	4000 psi Concrete min. (5" Min. conc.base)	8"	3-1/2"	3 1/4"
105	1/4"-14 SS Series 300 Elco Bi-flex, or Elco Dril-Flex or equiv. self drilling or self tapping sheet metal screw **	Aluminum 1/8" Thk min. (F _y = 25 Ksi min.)	3"	1/2"	NA
106	1/4" Dia. S.S. Series 300 wood screw	Wood 3" Thk min. (G = 0.42 min.)	2 1/2"	1"	2"

** SEAL DRIL-FLEX FASTENERS WITH LIQUID PROSOCO FLASHING AT EXTERIOR CONDITIONS
*** FOR GROUT FILLED CMU ANCHORS (SEE DETAIL F/3) - 1/2" DIA. HILTI KWIK-HUS EZ CRC GALVANIZED ANCHORS ARE ADEQUATE FOR A DESIGN PRESSURE UP TO 65 PSF.
ANY DESIGN PRESSURES HIGHER THAN 65 PSF WILL REQUIRE A SITE SPECIFIC DESIGN FOR THIS ANCHOR

REVISION: 4 01-31-2024
DATE: 10-02-13
SHEET: 6 OF 6
DRAW NO : RD-794-5
PROJECT: DC-6804, SUBMITTAL DRAWINGS
TITLE: TABLES
SCALE: N/A
DRW BY: R. GEIST

