



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-3704 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **RD-7444**, titled "DC-3704", sheets 1 through 7 of 7, dated 03/14/2024, prepared by Construction Specialties Inc., signed and sealed by Wayne K. Helmila, P.E. on 03/24/2025, bearing the Miami-Dade County Product Control approval 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 consists of this page 1 and evidence page E-1, as well as the approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**




03/25/25

NOA No. 25-0228.03
Expiration Date: April 3, 2030
Approval Date: April 3, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **RD-7444**, titled “DC-3704”, sheets 1 through 7 of 7, dated 03/14/2024, prepared by Construction Specialties Inc., signed and sealed by Wayne K. Helmila, P.E. on 03/24/2025.

B. TESTS

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-3704 Louvers, prepared by Intertek, Test Report No. **Q8700.01-109-18**, dated 06/18/2024, signed and sealed by Tanya A. Dolby, P.E.
2. Test report on Methods for Louvers Impacted by Wind Borne Debris per AMCA 540-23 of its DC-3704 Louver, prepared by Intertek, Test Report No. **Q6270.01-109-44**, dated 01/23/2024 and revised on 02/01/2024, signed and sealed by Tanya A. Dolby, P.E.
3. Test report on High Velocity Wind-Driven Rain Resistant Louvers per AMCA 550-15 (Rev. 09-18) of its DC-3704 Louver, prepared by Intertek, Test Report No. **M3012.01-109-44 R1**, dated 06/11/2021 and revised on 02/11/2025, signed and sealed by Tanya A. Dolby, P.E.

C. CALCULATIONS

1. DC-3704 MD louver anchor calculation, prepared by Rice Engineering, dated 11/11/2024, 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

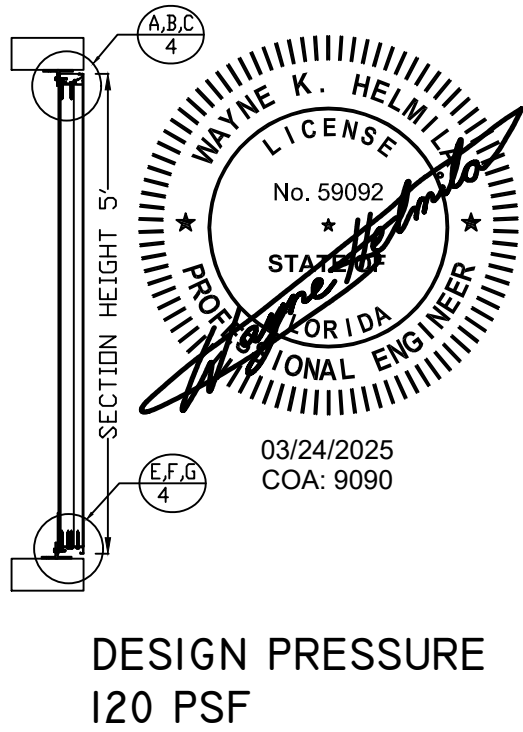
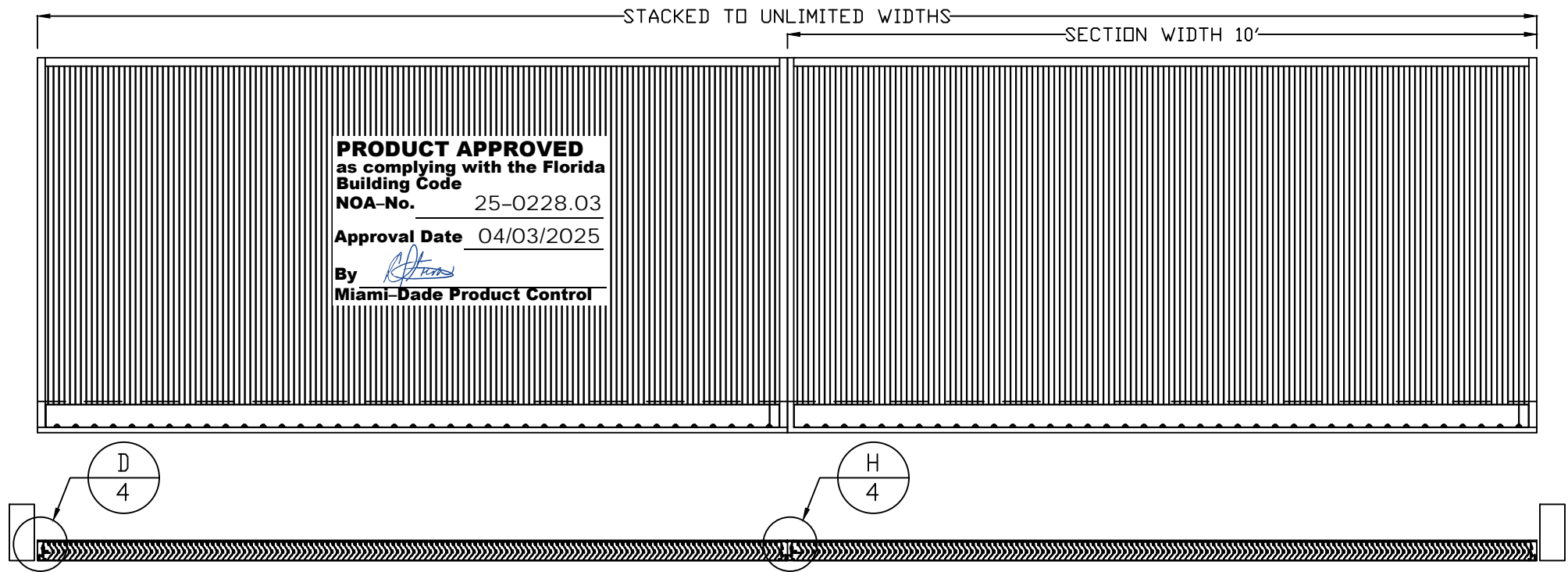
1. Statement letter of code conformance to 8th edition (2023) of the FBC, issued Rice Engineering, dated 01/06/2025, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter of no financial interest, issued by Rice Engineering, dated 01/06/2025, signed and sealed by Wayne K. Helmila, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0228.03
Expiration Date: April 3, 2030
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SPECIMEN I

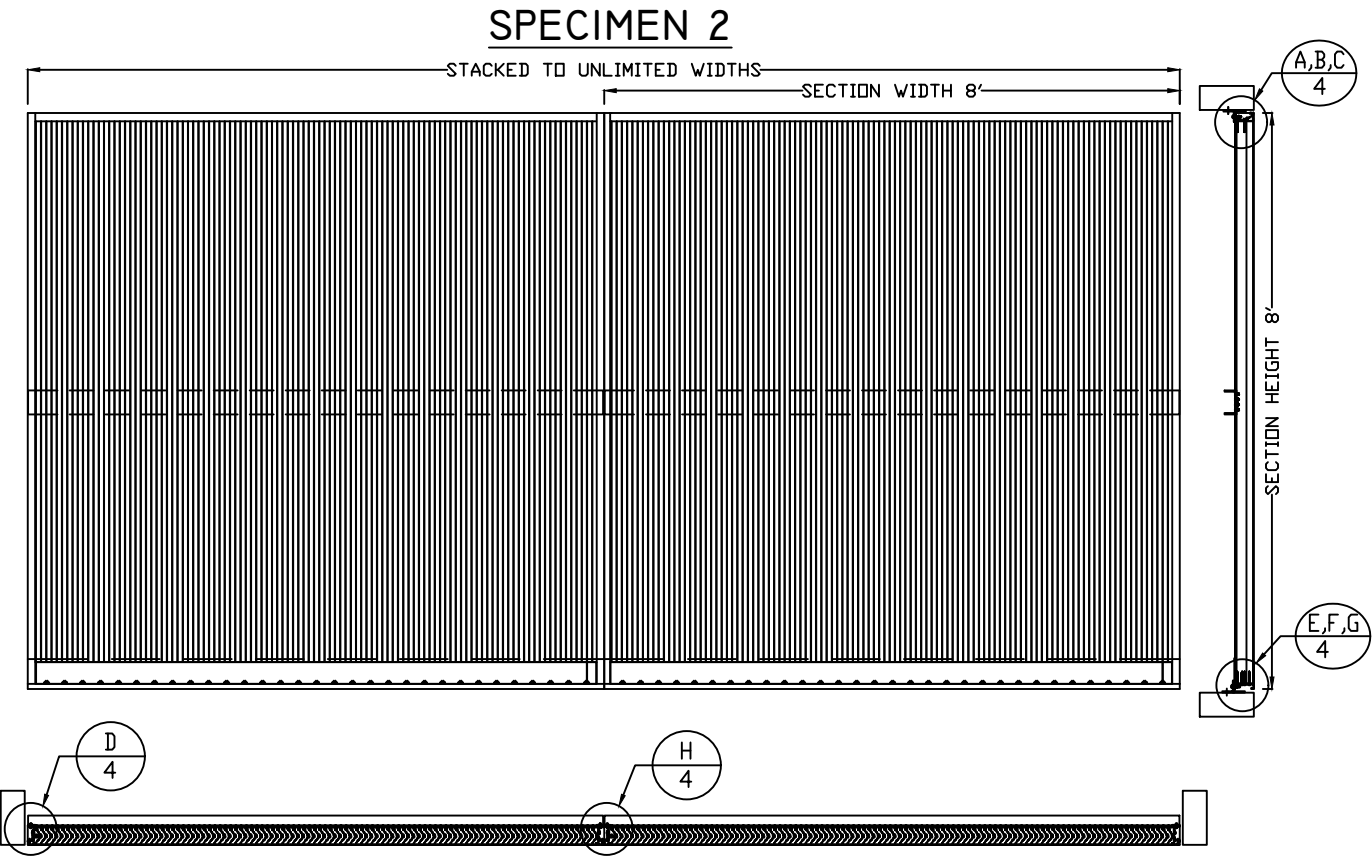
RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
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www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



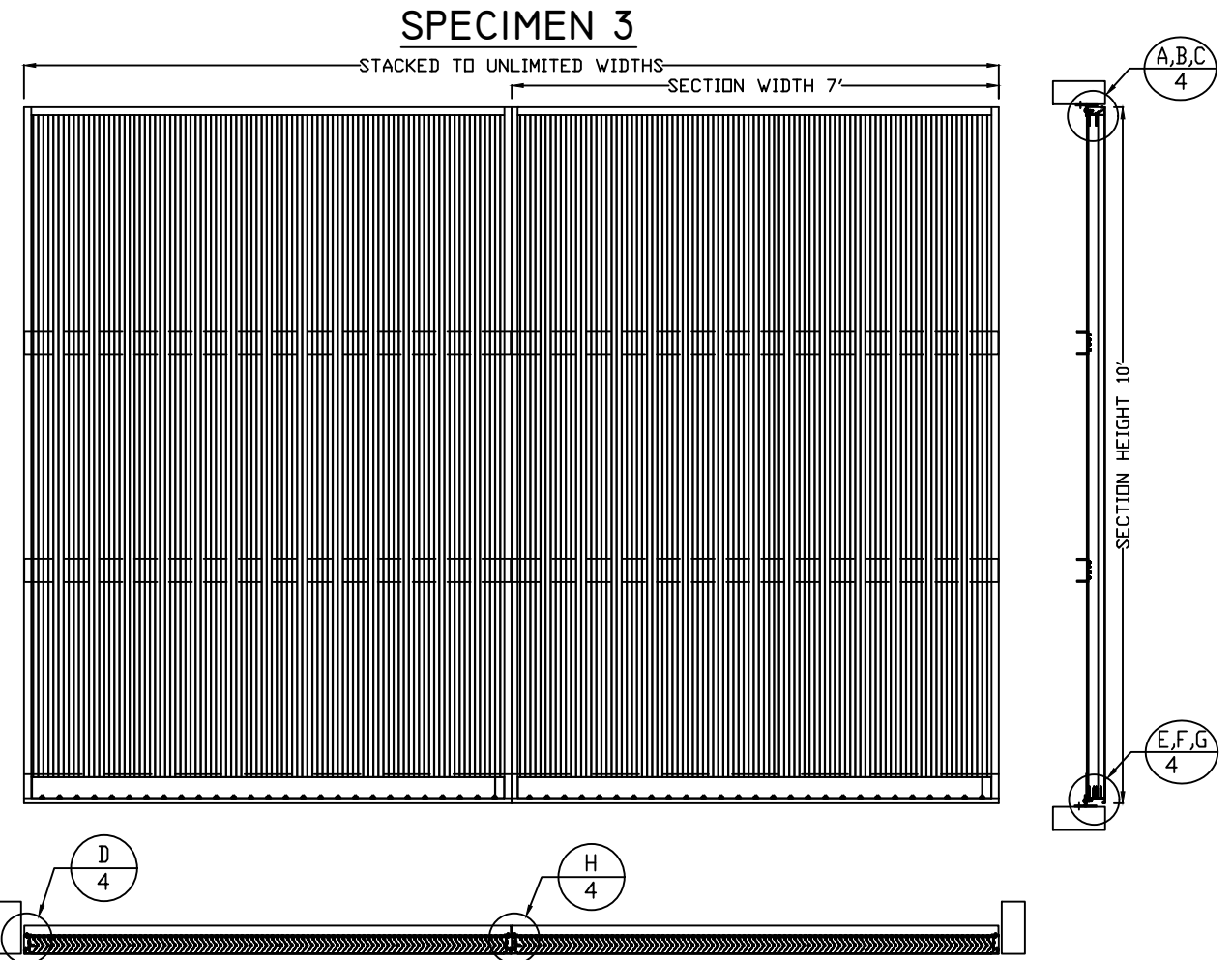
- 1) It shall be the responsibility of the Structural Engineer of Record to verify the capacity of the structure to support the loads imposed by the louvers.
- 2) These louvers have been designed according to the Florida Building Code and the Aluminum Design Manual. They are tested in accordance with Dade County protocols: TAS 201, TAS 202 and TAS 203.
- 3) All fasteners shall be stainless steel Series 300, condition CW $F_y = 65$ ksi, $F_u = 110$ ksi minimum except the fasteners specified in note 11 of this sheet 1.
- 4) Concrete strength shall be $f'_c = 4000$ psi cracked, normal weight. Grout filled CMU $f'_m = 1,500$ 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 +/-120 PSF. Any louver height 8' or less is approved for windloads 120 PSF or less. For heights greater than 8' but less than 10', maximum design windload is limited to 90 PSF. Louver widths cannot exceed 10'. The individual louver section square footage must not exceed 64 sq.ft. for 120 PSF and 70 sq.ft. for 90 PSF.
- 9) Stack sections horizontally to an unlimited opening width. No additional vertical structure is required. For stacking louvers horizontally, mullion spacing to be limited to 10 ft, 8 ft, and 7 ft for heights less or equal to 5 ft, 8ft, and 10 ft respectively. See detail H/4
- 10) Louver Construction - Head, sill and jambs are constructed of extruded aluminum. The corners are coped and butted, secured with (2) #10 x 2" hex head screws at each corner, through the sill into the jambs/ mullions, and through the Jambs into the Head.
- 11) 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 Resistance Louvers. 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 resistance equipment, components, or supplies
- 12) A horizontal blade support channel at midpoint is required if section height is greater than 5' and two horizontal blade support channels are required at third-points for section heights greater than 8' but less than the max section height of 10'.

PROJECT: DC-3704	REVISION: 1
TITLE: SUBMITTAL DRAWINGS - SPECIMEN I	DATE: 03-14-2024
SCALE: 3/8" = 1'	SHEET: 1 OF 7
DRW BY: N SHRIRAM	DRW NO : RD-7444

**Construction Specialties™**
3 WERNER WAY, LEBANON, NEW JERSEY
PHONE: 1-800-233-8493



DESIGN PRESSURE 120 PSF



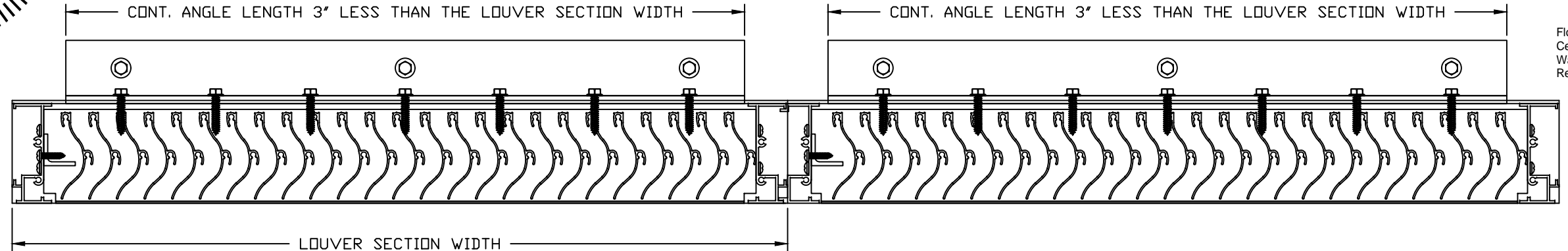
DESIGN PRESSURE 90 PSF




03/24/2025
COA: 9090

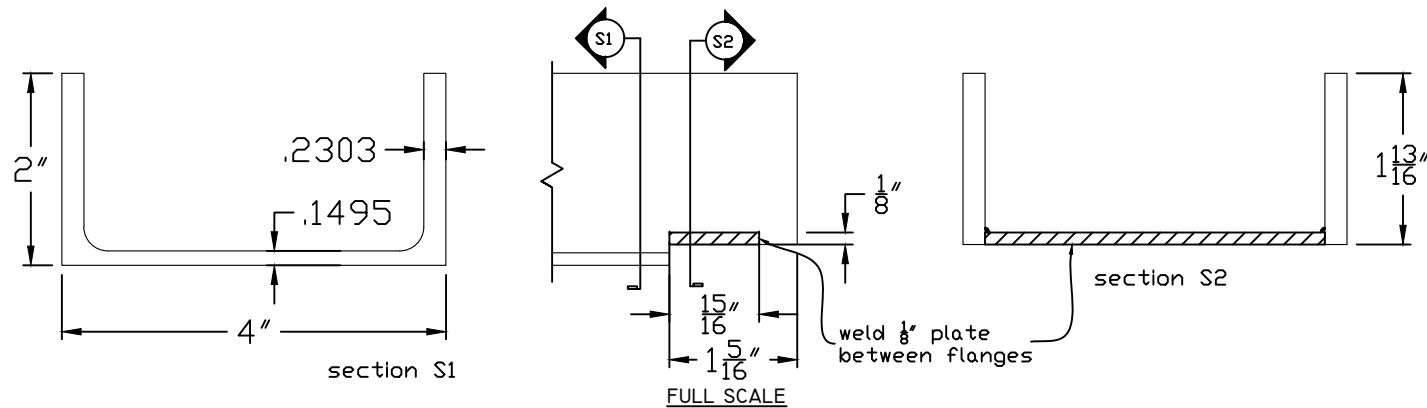
PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0228.03
Approval Date 04/03/2025
By *[Signature]*
Miami-Dade Product Control

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www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



SCALE: 3"=1'

REVISION: 1	PROJECT: DC-3704	 Construction Specialties™ 3 WERNER WAY, LEBANON, NEW JERSEY PHONE: 1-800-233-8493
DATE: 03-14-2024	TITLE: SUBMITTAL DRAWINGS - SPECIMEN 2 & 3	
SHEET: 2 OF 7	SCALE: 3/8"=1'	
DRW NO : RD-7444	DRW BY: N SHRIRAM	

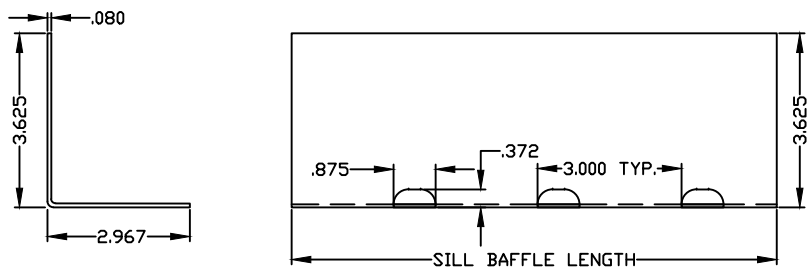


SCALE: 6"=1'

#8 BLADE SUPPORT
2" X 4" ALUMINUM CHANNEL 6061-T6

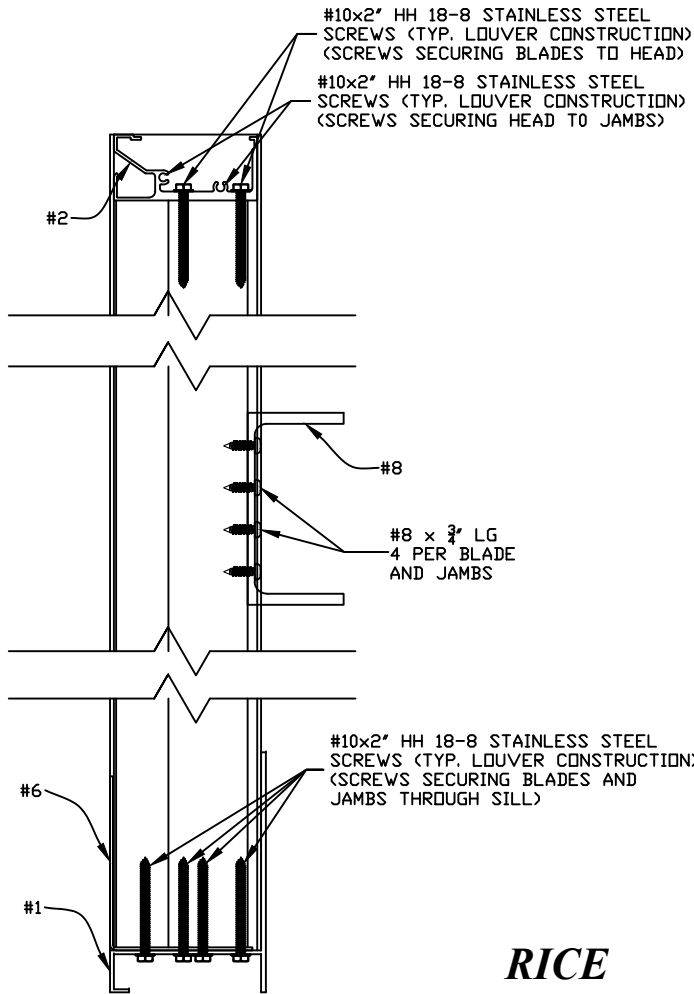


03/24/2025
COA: 9090

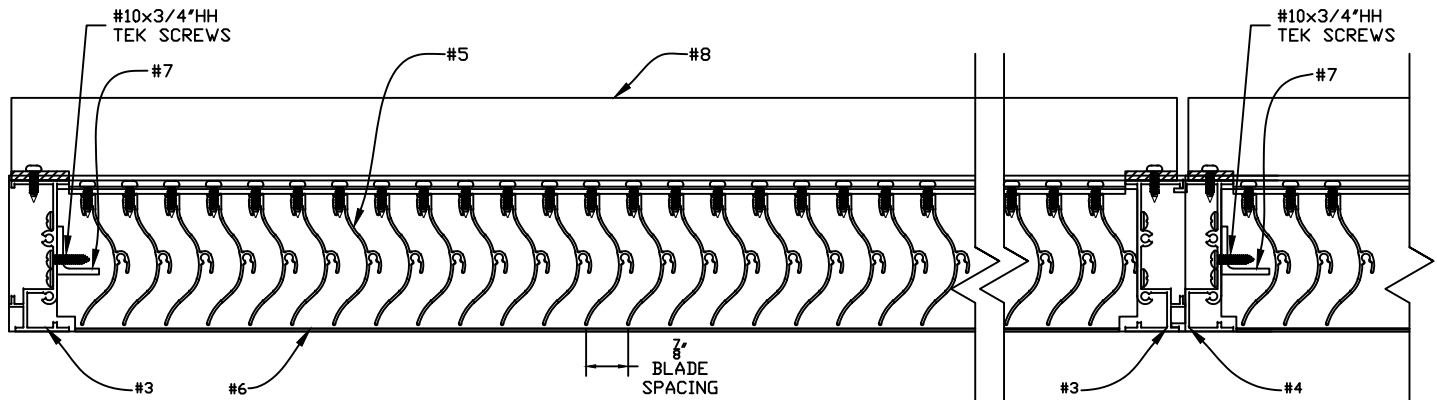


#6 FORMED SILL BAFFLE

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SECTION



PLAN VIEW

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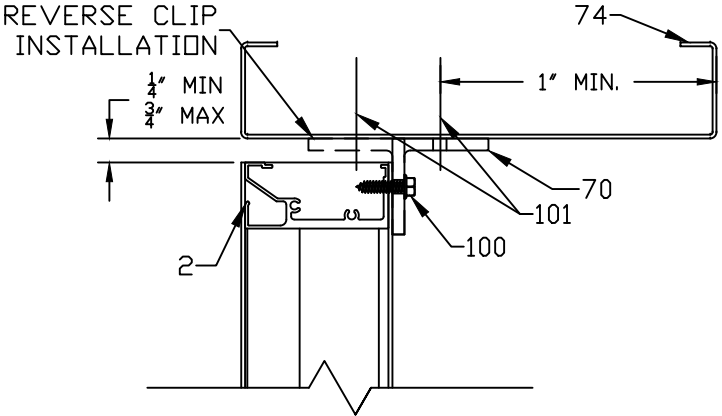
Construction Specialties™
3 WERNER WAY, LEBANON, NEW JERSEY
PHONE: 1-800-233-8493



PROJECT: DC-3704
TITLE: SUBMITTAL DRAWINGS - ASSEMBLY DETAILS
SCALE: 3" - 1'
DRW BY: N SHRIRAM

REVISION: 1
DATE: 03-14-2024
SHEET: 3 OF 7
DRW NO : RD-7444

ALL SUBSTRATES SHOWN BELOW CAN BE USED FOR HEAD AND/OR SILL CONDITIONS.



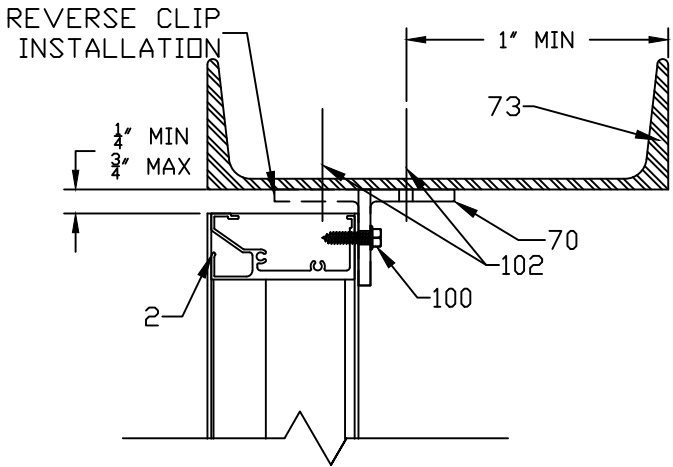
16 Ga MINIMUM
STEEL STUD

Detail **A**
4

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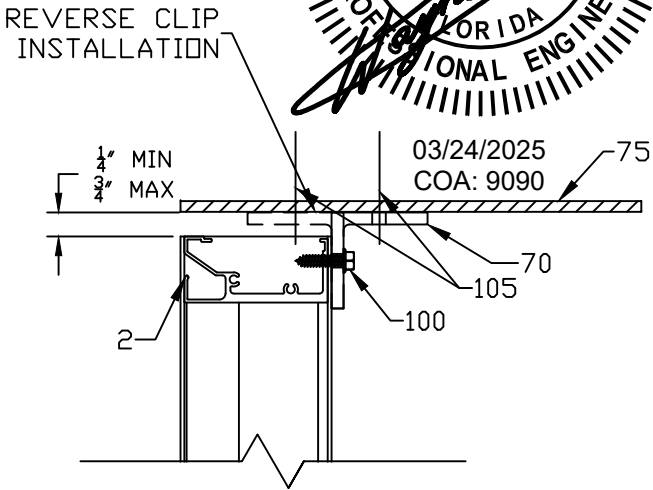
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



3/16" MINIMUM
STRUCTURAL STEEL

Detail **B**
4

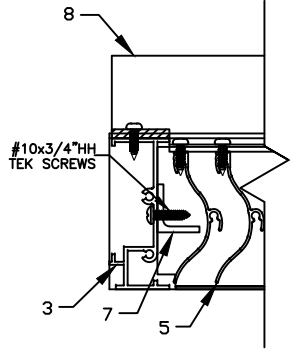
ALL STEEL SHAPES
ACCEPTABLE



1/8" MINIMUM
ALUMINUM

Detail **C**
4

ALL ALUMINUM
SHAPES
ACCEPTABLE



Jamb Detail **D**
4

NO ATTACHMENT
TO STRUCTURE
REQUIRED AT
JAMBS

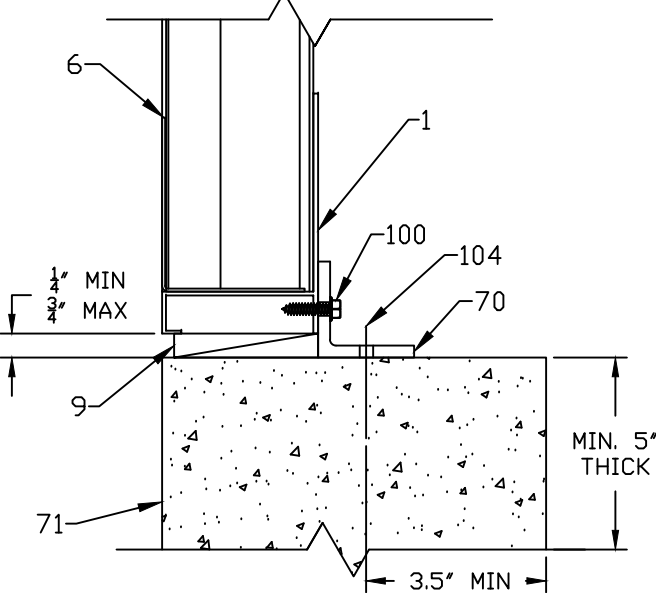
PRODUCT APPROVED
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NOA-No. 25-0228.03

Approval Date 04/03/2025

By *[Signature]*
Miami-Dade Product Control

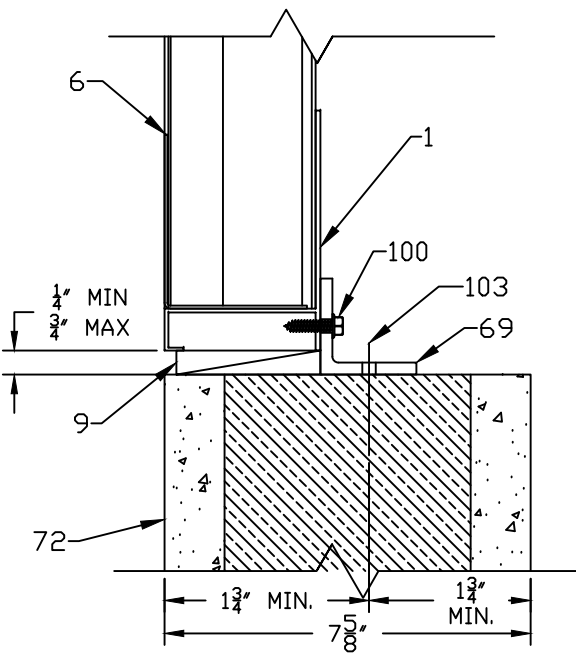
REVERSE CLIP INSTALLATION IS ONLY
ALLOWED IF THE LOUVER IS SET BACK A
MIN. OF 1" OR MORE FOR CRACKED CONCRETE.



CONCRETE
(MIN. 4000 PSI)

Detail **E**
4

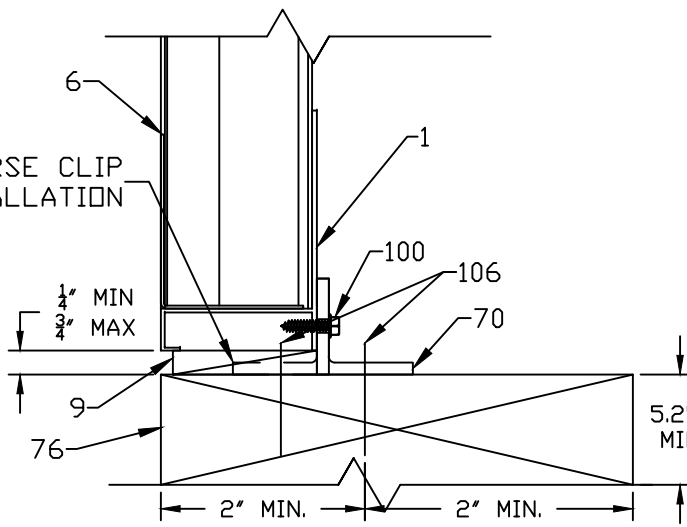
REVERSE CLIP INSTALLATION
IS NOT ALLOWED FOR CMU.



GROUT FILLED
CMU (1,500 PSI)

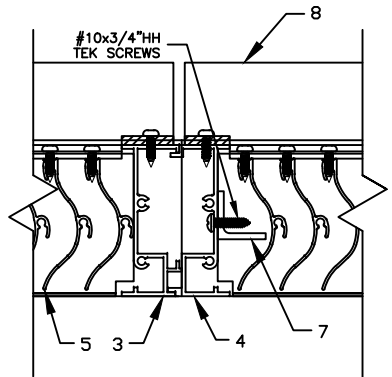
Detail **F**
4

REVERSE CLIP
INSTALLATION



WOOD
G=0.42 MIN.

Detail **G**
4



Mullion Detail **H**
4

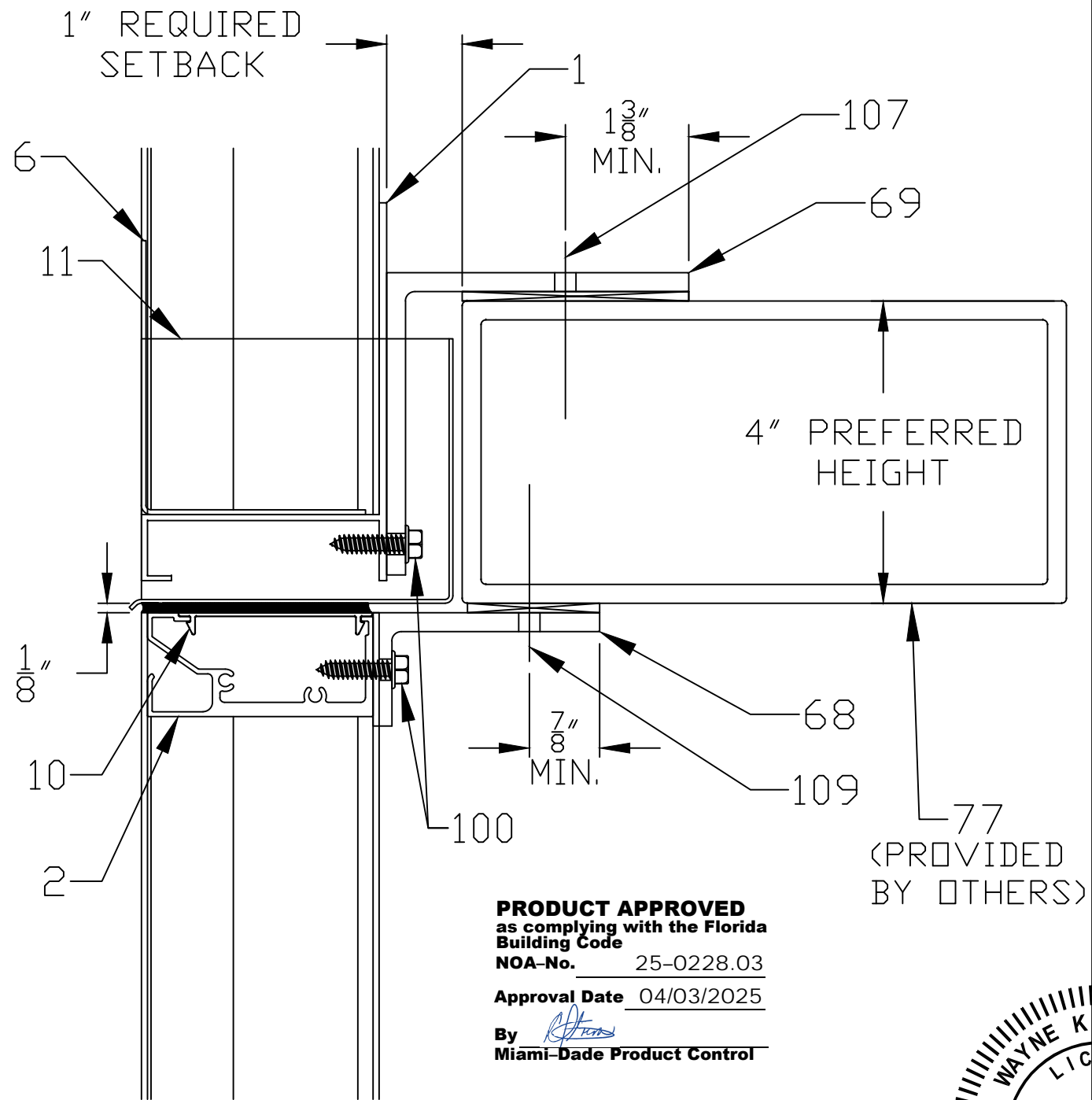
NO ATTACHMENT
TO STRUCTURE
REQUIRED AT
MULLIONS

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3 WERNER WAY, LEBANON, NEW JERSEY
PHONE: 1-800-233-8493




PROJECT: DC-3704
TITLE: SUBMITTAL DRAWINGS - MOUNTING DETAILS
SCALE: 3" = 1'
DRW BY: N SHRIRAM
REVISION: 1
DATE: 03-14-2024
SHEET: 4 OF 7
DRW NO: RD-7444

STACK CONDITION

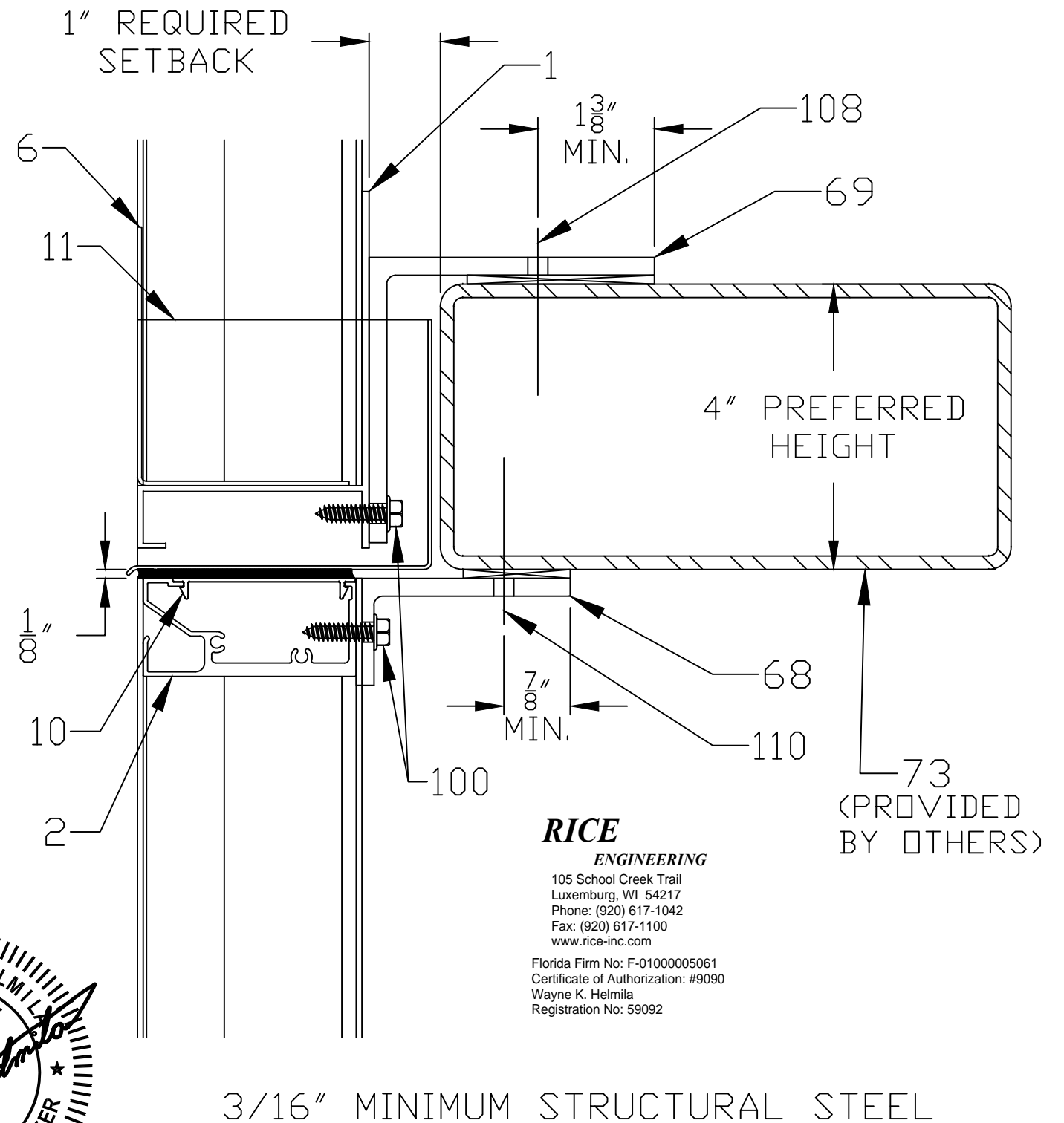


1/4" MINIMUM ALUMINUM

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3/16" MINIMUM STRUCTURAL STEEL

TABLE 1 - PARTS LIST		
ITEM #	PART	DESCRIPTION
1	SILL	6063-T6 ALUMINUM 0.080" THK
2	HEAD	6063-T6 ALUMINUM 0.125" THK *
3	JAMB	6063-T6 ALUMINUM 0.080" THK
4	MULLION	6063-T6 ALUMINUM 0.080" THK
5	BLADE	6063-T6 ALUMINUM 0.050" THK
6	SILL BAFFLE	6063-T6 ALUMINUM 0.080" THK
7	LEFT JAMB CONT. ANGLE	6061-T6 ALUMINUM 0.125" THK
8	BLADE SUPPORT CHANNEL	6061-T6 ALUMINUM 4" CHANNEL
9	SHIM (SILL ONLY)	NON-COMPRESSIBLE MATERIAL, BY OTHERS
10	SNAP COVER	6063-T6 ALUMINUM 0.080" THK
11	SILL PAN	3003-H14 ALUMINUM 0.050" THK
68	HEAD MOUNTING ANGLE (STACK CONDITION)	6061-T6 ALUMINUM 3"x1½"x1/4" CONT. ANGLE
69	SILL MOUNTING ANGLE (STACK CONDITION)	6061-T6 ALUMINUM 4"x4"x1/4" CONT. ANGLE
70	HEAD/SILL MOUNTING ANGLE	6061-T6 ALUMINUM 2"x2"x1/4" CONT. ANGLE
71	CONCRETE	4000 PSI CONCRETE, CRACKED, NORMAL WEIGHT
72	CMU	GROUT FILLED MASONRY UNIT (1500 PSI, ASTM C90, TYPE II WITH TYPE N MORTAR)
73	STRUCTURAL STEEL	3/16"THK MIN. ANY SHAPE (BY OTHERS)
74	STEEL STUD	16 GA MIN. COLD FORMED STEEL STUD, Fy=33Ksi
75	ALUMINUM	1/8" THK. MIN. (6063-T5) ANY SHAPE
76	WOOD	SG=0.42 MIN. SPRUCE-PINE-FIR, 5.25" MIN. THICKNESS
77	ALUMINUM	1/4" THK. MIN. (6063-T5) ANY SHAPE (BY OTHERS)

STEEL ANCHOR PLATES, CLIP ANGLES, REINFORCEMENT CHANNELS AND BARS TO BE MINIMUM ASTM A-36 STEEL, DESIGNED BY OTHERS.
STEEL TUBES TO BE MINIMUM ASTM A-500, GRADE B, Fy = 46 KSI., DESIGNED BY OTHERS.

*HEAD AND SILL EXTRUSION HAS 0.100" THICKNESS ON REAR LEG FOR MOUNTING FASTENERS.
ALL OTHER THICKNESS ARE NOMINAL 0.081" THK.

TABLE 2 - HEIGHT VS WINDLOAD	
LOUVER HEIGHT	MAX WIND LOAD
UP TO 8 FEET	120 PSF
OVER 8 FEET TO 10 FEET	90 PSF

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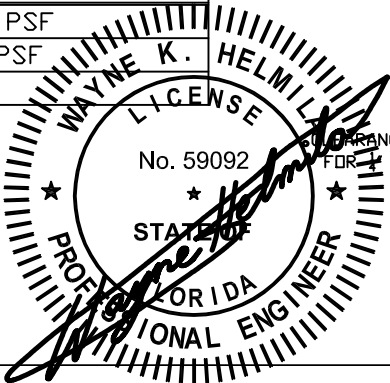
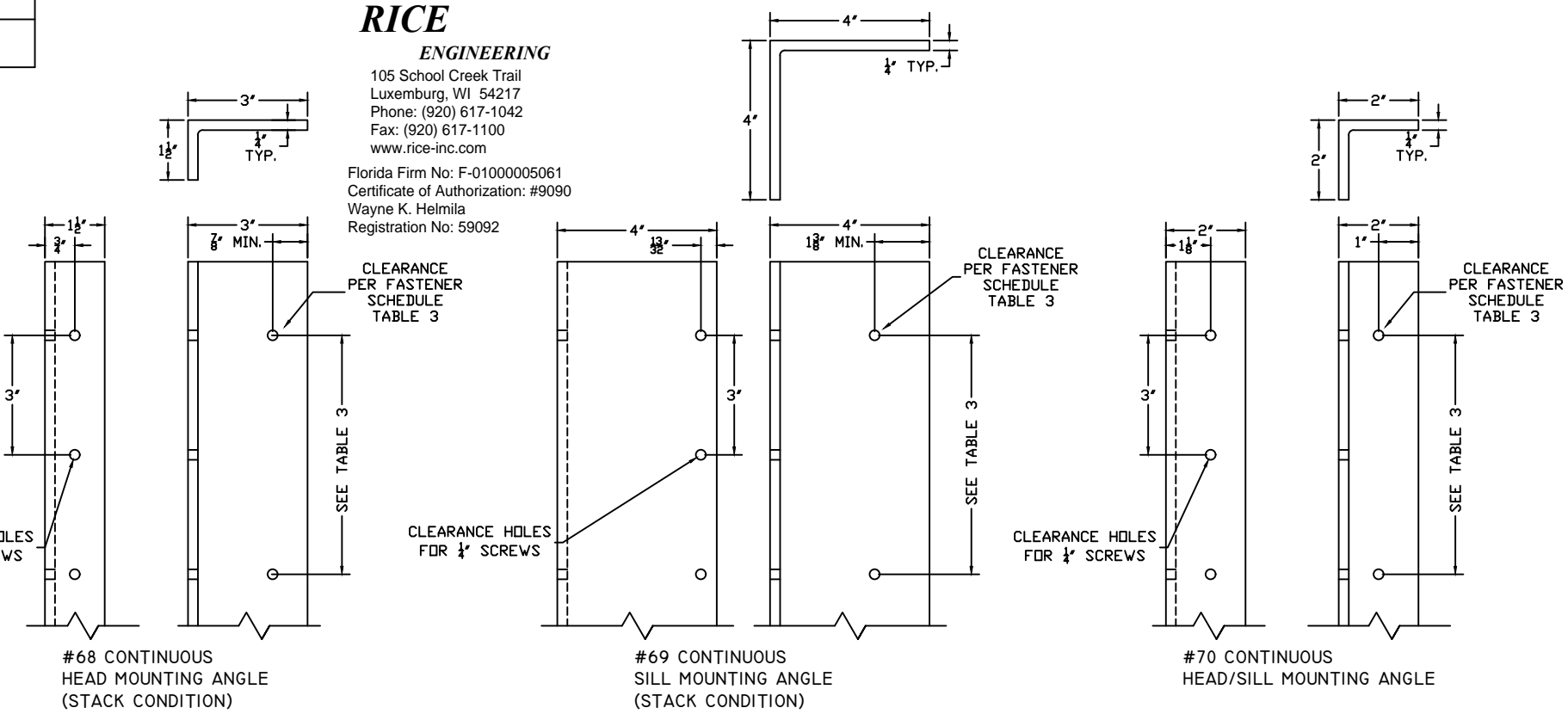


TABLE 3 - Building Attachment Fastener Schedule						
Part #	Fastener Description	Substrate	Max Spacing	Min. Edge Dist.	Min. Embed.	Min. End Dist.
100	1/4"-14 Dia. S.S. 300 Series Screws	Aluminum Head/Sill Frame Members	3"	NA	NA	NA
101	1/4"-14 ELCD Drill-Flex or EQ.	Min. 16 Ga (0.06" thick) Cold Formed Steel Stud	3 1/4"	1"	NA	1"
102	1/4"-20 ELCD Bi-Flex or EQ.	3/16" Structural Steel, A36 or better (Any shape)	9"	1"	NA	1"
103	1/2" Dia. Hilti HUS-EZ S.S. 316 SS Anchor	ASTM C90 type II Grout-filled concrete masonry block f'm = 1,500 psi	16" (8" Min.)	1-3/4"	4 1/4"	4"
104	1/4" Dia. Hilti HUS-EZ S.S. 316 SS Anchor	4000 psi. Cracked Concrete, Min. 5" Thk	6"	3 1/2"	2 1/2"	3 1/2"
105	1/4"-14 ELCD Bi-Flex or EQ.	Aluminum Min 1/8" thick 6063-T5 or better (Any Shape)	3 1/2"	1"	NA	1"
106	1/2" Dia. x 4" LG S.S. 300 Series Lag Screws	Wood Spruce Pine-Fir (Min. 5.25" Height)	9"	2"	3 1/8"	2"
107	1/4"-14 ELCD Bi-Flex or EQ	Aluminum Min 1/4" thick 6063-T5 or better (Any Shape)	5"	1"	NA	1"
108	1/4"-20 ELCD Bi-Flex or EQ	Steel Min 3/16" thick A36 or better (Any Shape)	5 1/2"	1"	NA	1"
109	1/4"-14 ELCD Bi-Flex or EQ	Aluminum Min 1/4" thick 6063-T5 or better (Any Shape)	7"	7/8"	NA	7/8"
110	1/4"-20 ELCD Bi-Flex or EQ	Steel Min 3/16" thick A36 or better (Any Shape)	9"	7/8"	NA	7/8"



REVISION: 1

DATE: 03-14-2024

SHEET: 6 OF 7


DRW NO : RD-7444

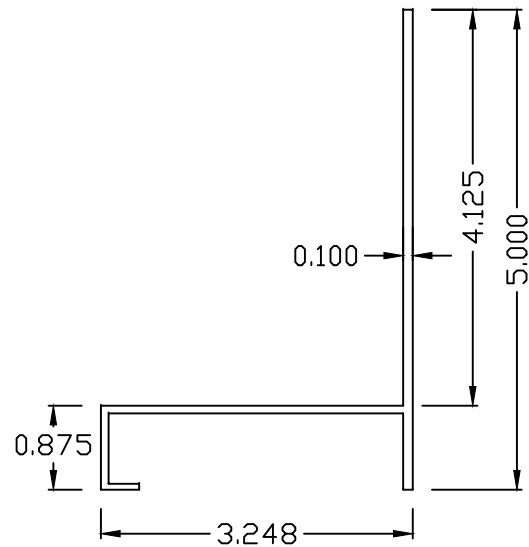
PROJECT: DC-3704

TITLE: SUBMITTAL DRAWINGS - TABLES & CLIP

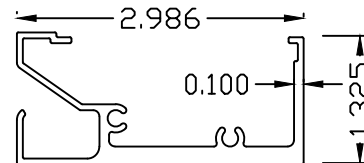
SCALE: 3" = 1'

DRW BY: N SHRIRAM

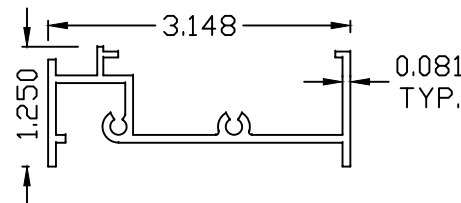
**Construction Specialties™**
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PHONE: 1-800-233-8493



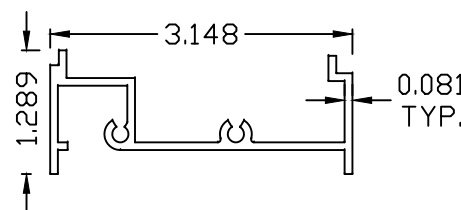
#1 SILL



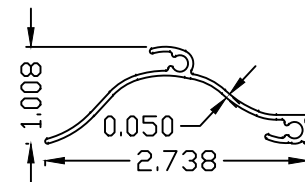
#2 HEAD



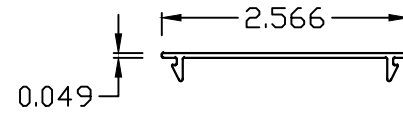
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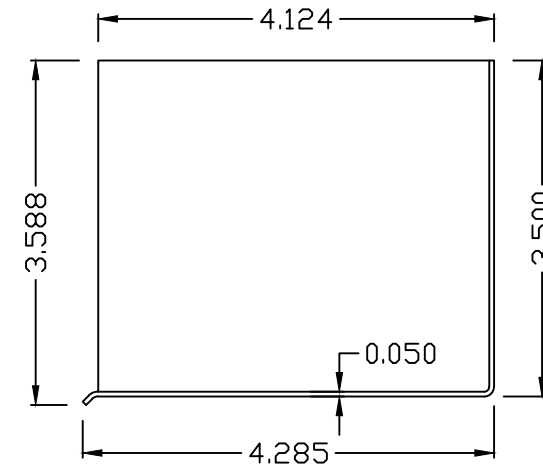
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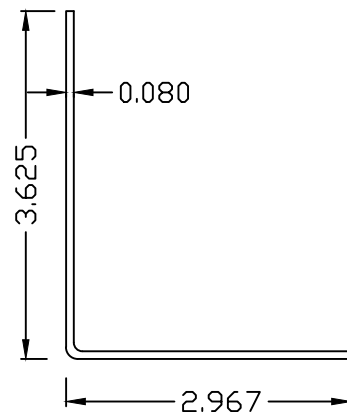
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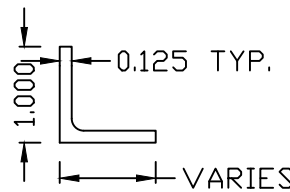
#10 SNAP COVER



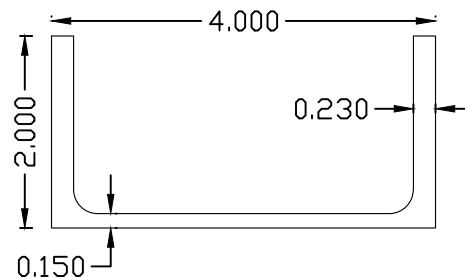
#11 SILL PAN



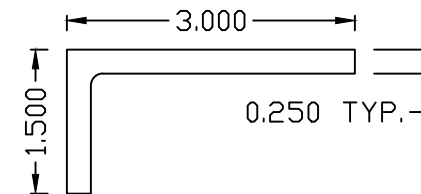
#6 FORMED SILL BAFFLE



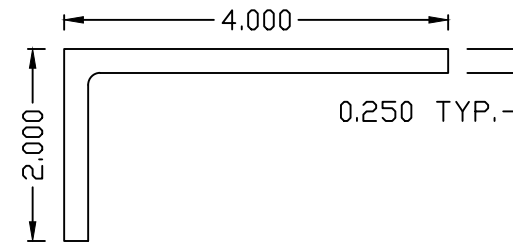
#7 LEFT JAMB CONT. ANGLE



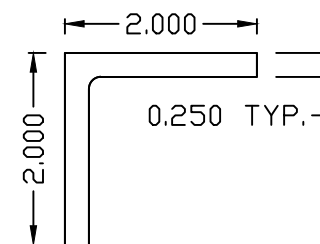
#8 BLADE SUPPORT CHANNEL
4" ALUMINUM CHANNEL 6061-T6



#68 HEAD MOUNTING ANGLE
(STACK CONDITION)



#69 SILL MOUNTING ANGLE
(STACK CONDITION)

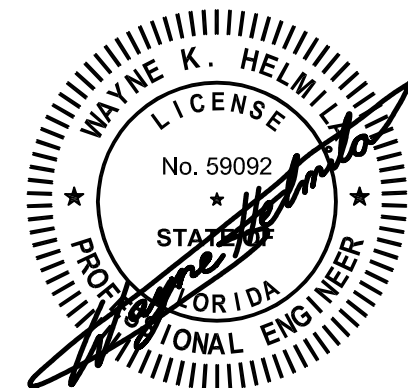


#70 HEAD/SILL MOUNTING ANGLE

RICE
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



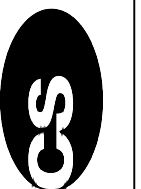
03/24/2025
COA: 9090

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0228.03

Approval Date 04/03/2025

By 
Miami-Dade Product Control

Construction Specialties™
3 WERNER WAY, LEBANON, NEW JERSEY
PHONE: 1-800-233-8493



REVISION: 1
DATE: 03-14-2024
SHEET: 7 OF 7
DRW NO : RD-7444

PROJECT: DC-3704
TITLE: DADE COUNTY TESTING SAMPLE PARTS
SCALE: 6" - 1"
DRW BY: N SHRIRAM