



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-6704 Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **RD-795**, titled "DC-6704 Submittal Drawing", sheets 1 through 6 of 6, dated 10/01/2013, with revision 3 dated 04/20/2021, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E. on 10/26/2021, 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 # **20-0129.02** 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.**



NOA No. 20-1222.12
Expiration Date: April 9, 2025
Approval Date: December 16, 2021
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. Evidence submitted under previous NOA's**
- A. DRAWINGS “Submitted under NOA # 16-1129.07”**
 - 1.** Drawing No. **RD-795**, titled “DC-6704”, sheets 1 through 6 of 6, dated 10/01/2013, with revision **1** dated 11/21/2016, prepared by the manufacturer, signed and sealed by L. David Rice, P.E.
- B. TESTS “Submitted under NOA # 13-0606.10”**
 - 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-6704 Aluminum Louvers, prepared by Architectural Testing, Inc., Report No. **D0119.01-109-18**, dated 10/04/2013, with revision **1** dated 07/23/2014, signed and sealed by Michael D. Stremmel, P.E.
- C. CALCULATIONS “Submitted under NOA # 13-0606.10”**
 - 1.** 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 # 15-1118.03”**
 - 1.** Statement letter of code conformance to the 5th edition (2014) FBC issued by Rice Engineering, dated 11/03/2015, signed and sealed by L. David Rice, P.E.

“Submitted under NOA # 13-0606.10”

 - 2.** Statement letter of no financial interest issued by Rice Engineering, dated 02/03/2015, signed and sealed by L. David Rice, P.E.



Carlos M. Utrera, P.E.
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2. Evidence submitted under NOA # 17-1218.25

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. STATEMENT

1. Statement letter of code conformance to the 6th Edition (2017) FBC issued by Rice Engineering, dated 11/29/2017, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letters of no financial interest issued by Rice Engineering, dated 01/20/2018, signed and sealed by Wayne K. Helmila, P.E.



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3. Evidence submitted under NOA # 18-0712.10

A. DRAWINGS

1. Drawing No. **RD-795**, titled “DC-6704”, sheets 1 through 6 of 6, dated 10/01/2013, with revision 2 dated 06/15/2018, prepared by the manufacturer, 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 the 6th Edition (2017) of the FBC issued by Rice Engineering, dated 01/13/2020, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letters of no financial interest issued by Rice Engineering, dated 01/13/2020, signed and sealed by Wayne K. Helmila, P.E.



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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **RD-795**, titled “DC-6704 Submittal Drawing”, sheets 1 through 6 of 6, dated 10/01/2013, with revision 3 dated 04/20/2021, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E. on 10/26/2021.

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.

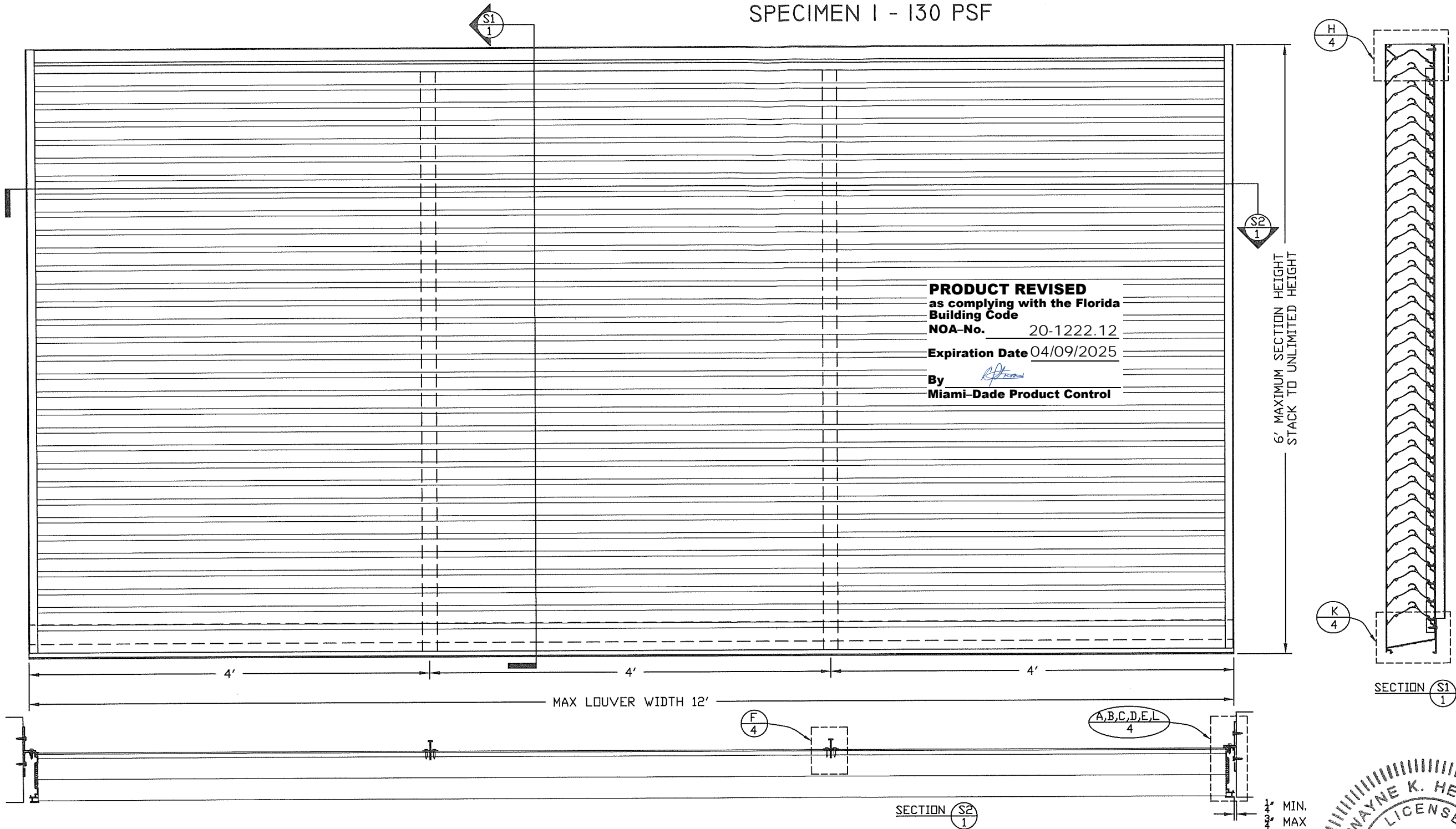
F. STATEMENTS

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



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SPECIMEN I - 130 PSF



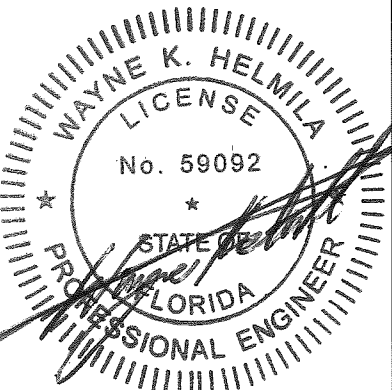
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- 1) It shall be the responsibility of the Structural Engineer of Record to verify the capacity of the structure to support the loads imposed by the louvers.
- 2) These louvers have been designed according to the Florida Building Code and the Aluminum 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 300 series except the fasteners specified in note 14 of this sheet 1.
- 4) All block grout 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) Each 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 and 130 psf as noted in this drawing package.
- 11) See sheet 6 of 6 for blade span table
- 12) Individual section sizes limited to 72 sq. ft.
- 13) Stack sections vertically to an unlimited height with structural support provided by others.
- 14) 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 jambs using (3) #10 x 1 1/2" hex head screws at each blade end.

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Wayne K. Helmila
Registration No: 59092

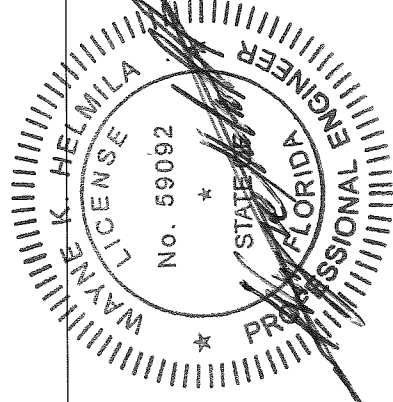


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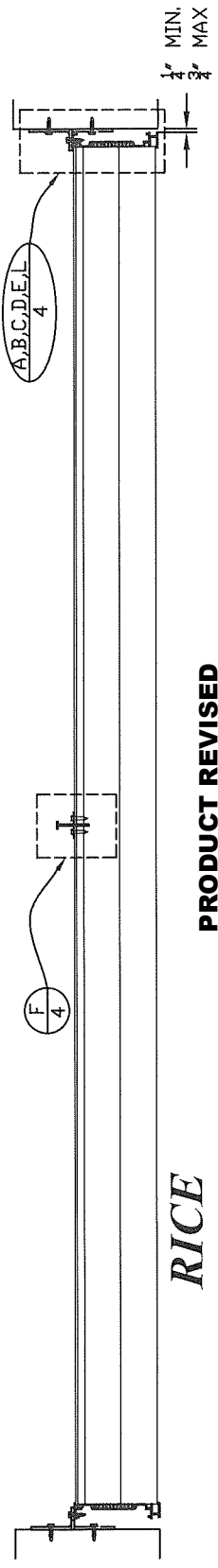
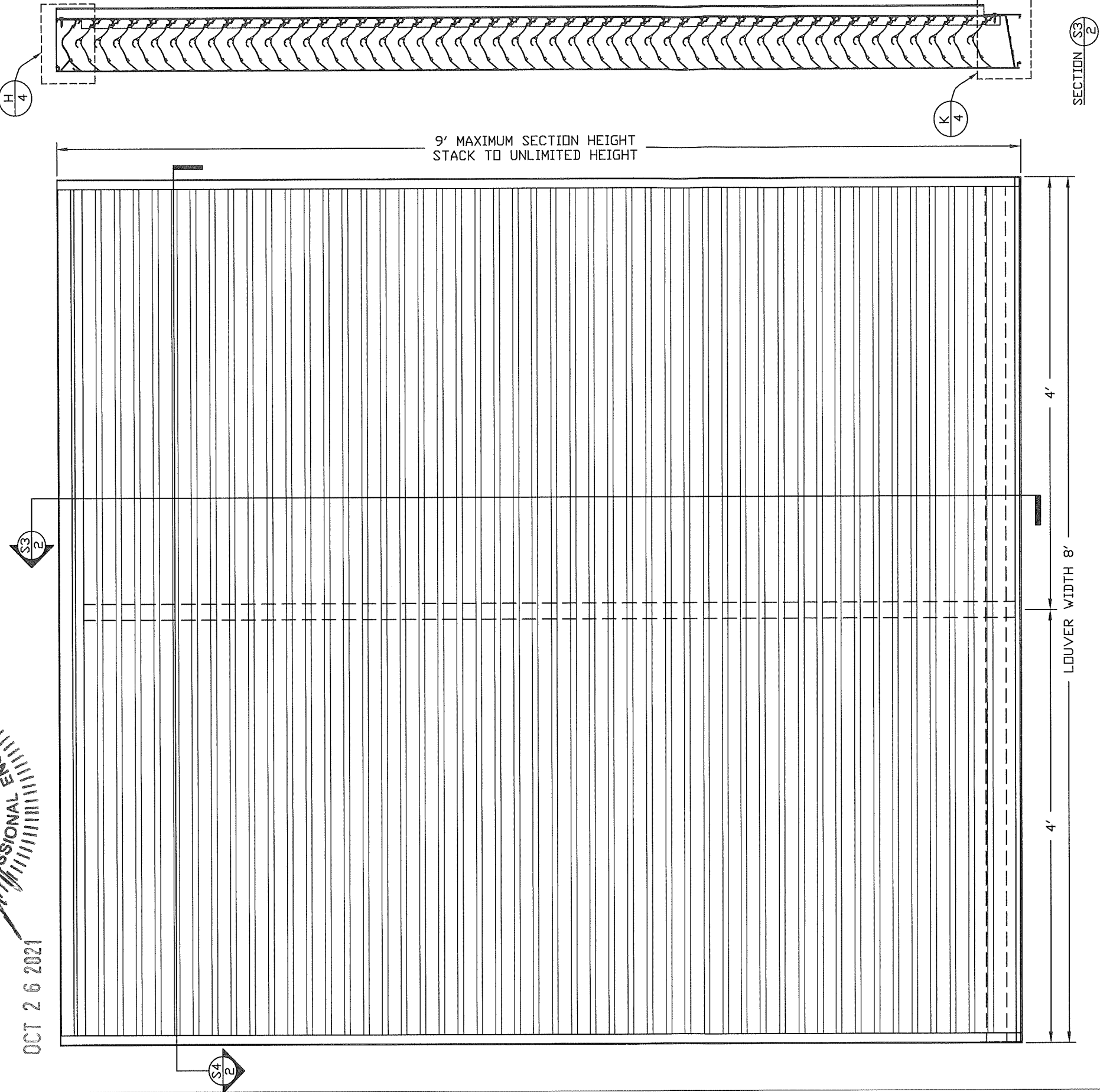


PROJECT: DC-6704 SUBMITTAL DRAWING	REVISION: 3	04-20-2021
TITLE: SPECIMEN I	DATE: 10-01-13	
SCALE: 1" = 1'	SHEET: 1 OF 6	
DRW BY: J BLAKE	DRW NO: RD-795-1	



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SPECIMEN 2 - 150 PSF

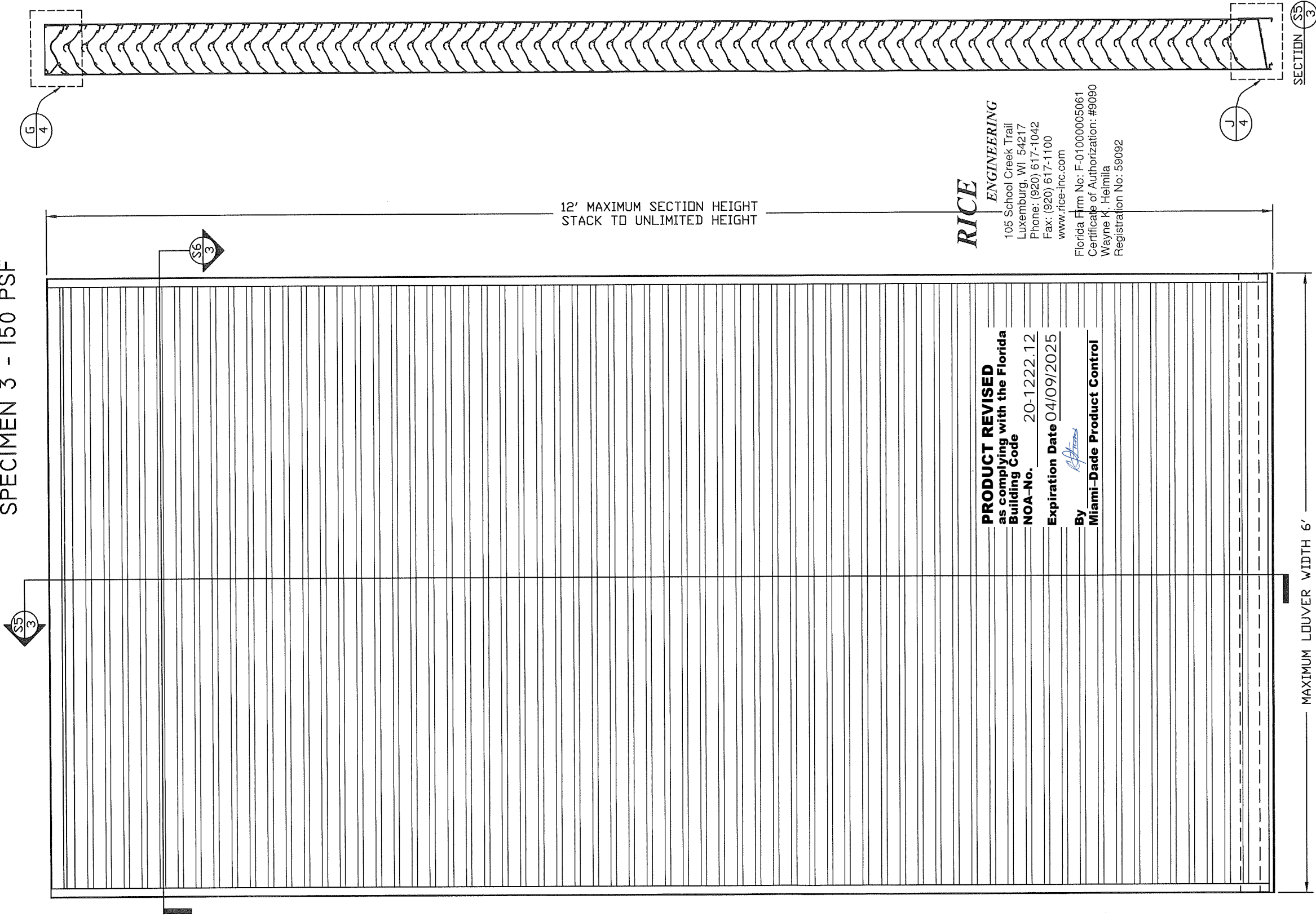


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	PROJECT: DC-6704 SUBMITTAL DRAWING			REVISION: 3	04-20-2021
	TITLE: SPECIMEN 2			DATE: 10-01-13	
	SCALE: 1" = 1'			SHEET: 2 OF 6	
	DRW BY: J BLAKE			DRW NO : RD-795-2	

SPECIMEN 3 - 150 PSF



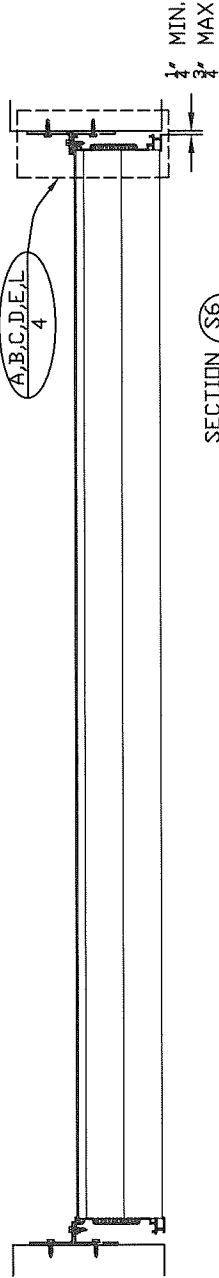
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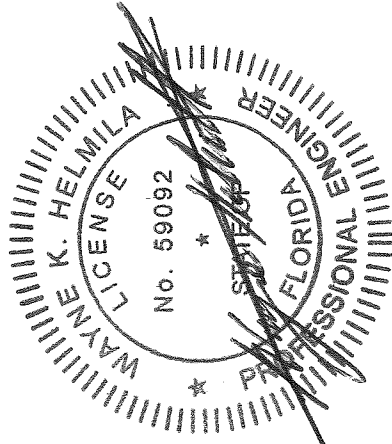
12' MAXIMUM SECTION HEIGHT
STACK TO UNLIMITED HEIGHT

SECTION S5/S3

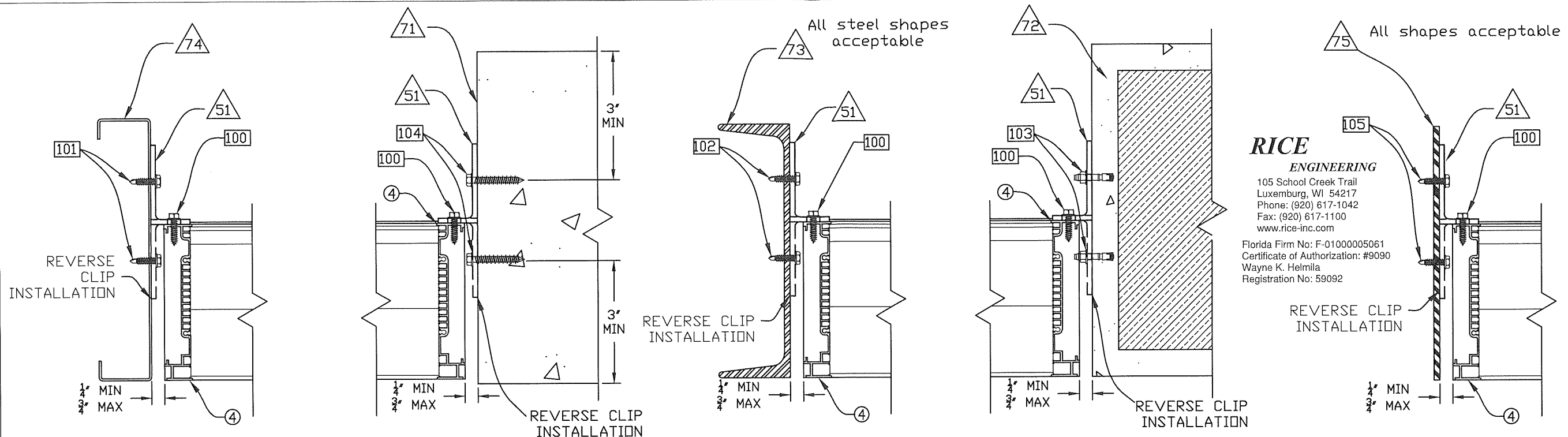
J 4



SECTION S6/S4



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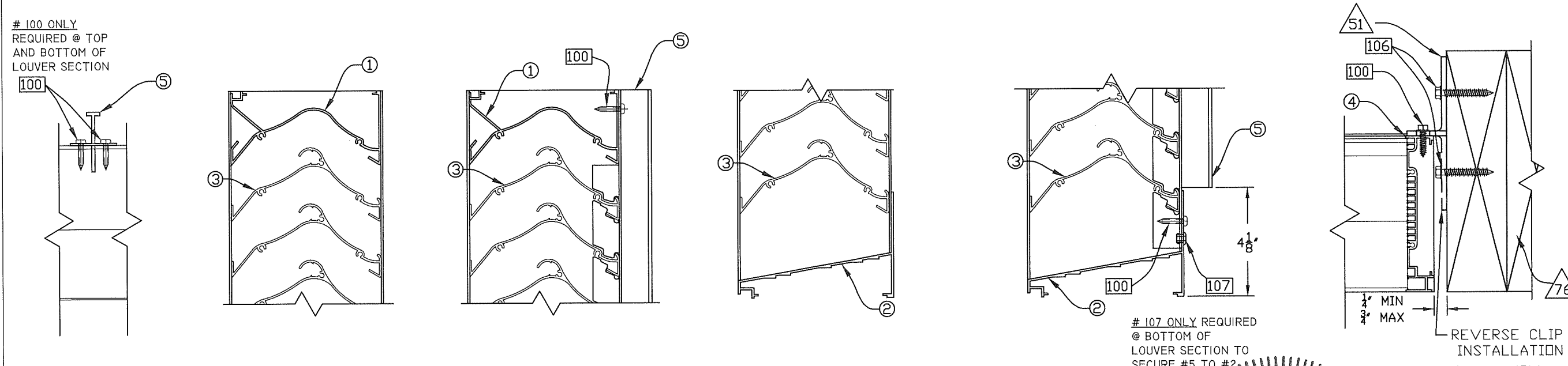
16 Ga MIN STEEL STUD
Detail A
4

3000 LB MIN CONCRETE
Detail B
4

3/16" MINIMUM STRUCTURAL STEEL
Detail C
4

GROUT FILLED CMU
ASTM C90, TYPE II
Detail D
4

1/8" MINIMUM ALUMINUM
Detail E
4



#100 ONLY REQUIRED @ TOP AND BOTTOM OF LOUVER SECTION
Detail F
4

Detail G
4

Detail H
4

Detail J
4

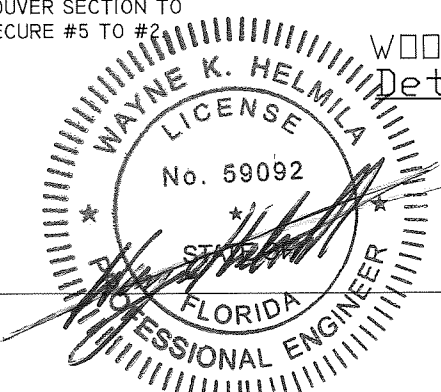
#107 ONLY REQUIRED @ BOTTOM OF LOUVER SECTION TO SECURE #5 TO #2
Detail K
4

WOOD G=0.42 MIN.
Detail L
4

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By Wayne K. Helmila
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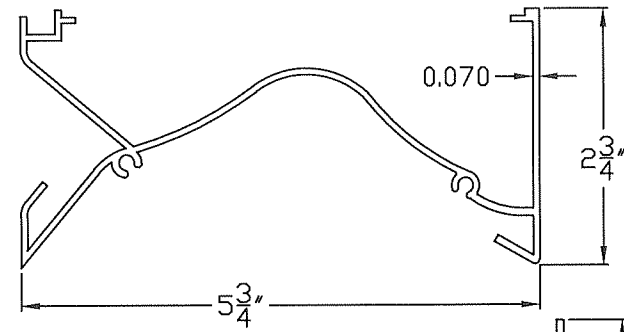


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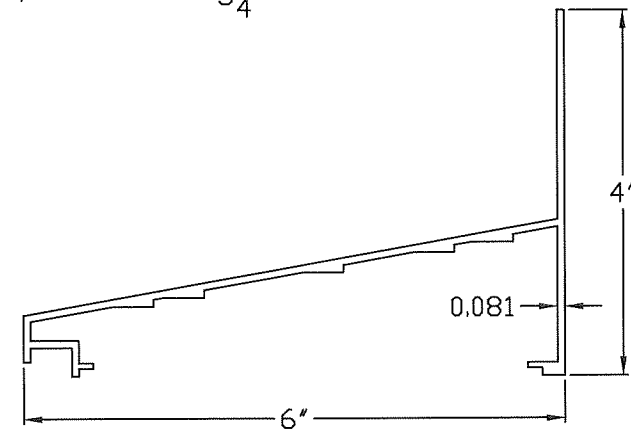
REVISION: 3	04-20-2021
DATE: 10.01-13	
SHEET: 4 OF 6	
DRW NO: RD-795-4	
PROJECT: DC-6704 SUBMITTAL DRAWING	
TITLE: DETAILS	
SCALE: 3" = 1'	
DRW BY: J BLAKE	

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1 - Head



2 - Sill



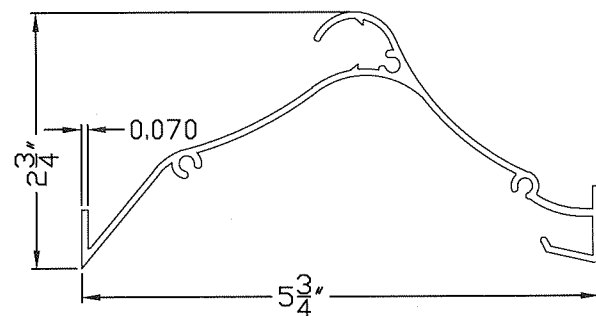
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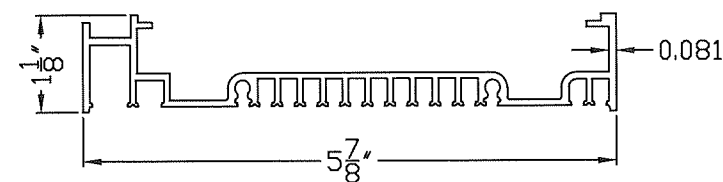
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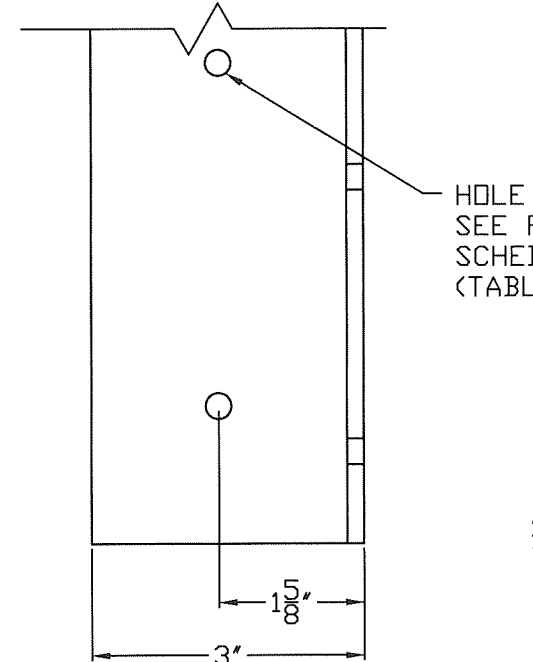
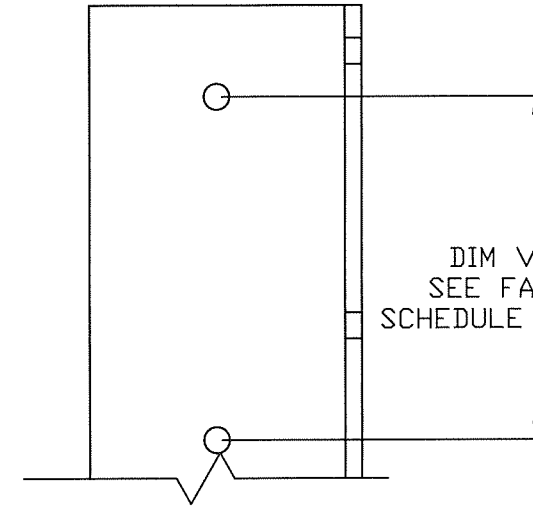
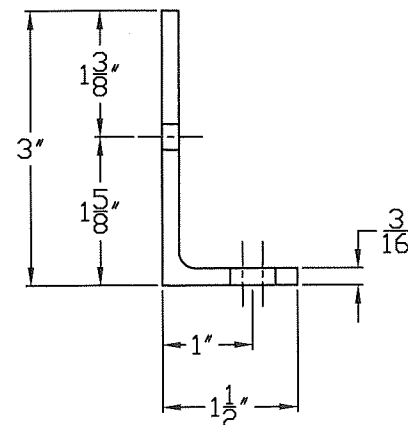
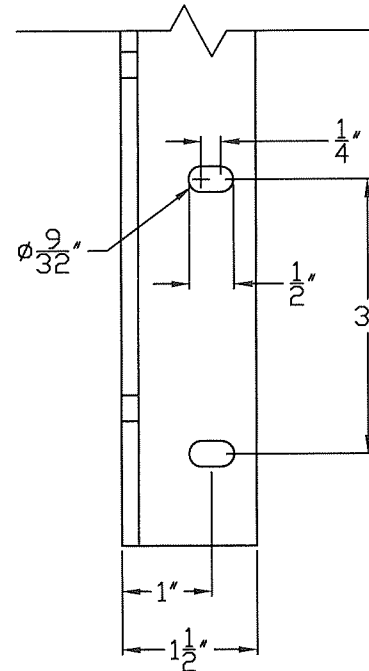
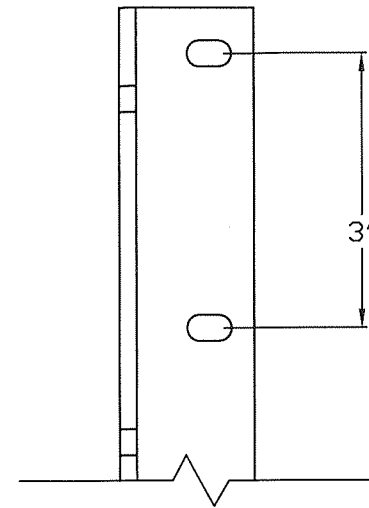
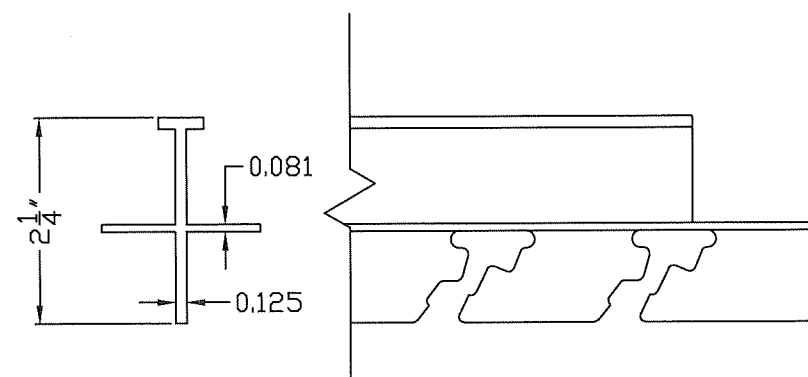
3 - Blade



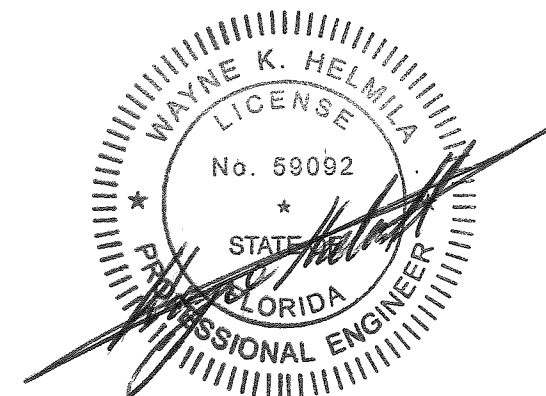
4 - Jamb



5 - Blade Brace



51 - CONT. JAMB ANGLE



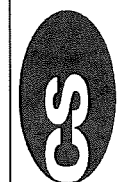
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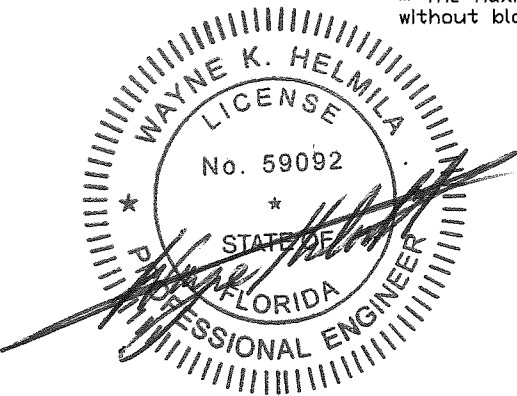
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PROJECT: DC-6704 SUBMITTAL DRAWING	REVISION: 3	04-20-2021
TITLE: PARTS	DATE: 10-01-13	
SCALE: 6" = 1'	SHEET: 5 OF 6	
DRW BY: J BLAKE	DRW NO: RD-795-5	

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LOUVER BLADE SPAN (Table 1)	
Louver Width (feet & inches) (w/Blade Brace)*	Allowable Wind Load (PSF)
12' - 0"	130
11' - 6"	133
11' - 0"	135
10' - 6"	138
10' - 0"	140
9' - 6"	143
9' - 0"	145
8' - 0" and shorter	150

* The maximum louver width
without blade brace is 6'-0"

PARTS LIST (Table 2)		
ITEM	PART	DESCRIPTION
1	HEAD	6063-T6 ALUMINUM 0070 THK
2	SILL	6063-T6 ALUMINUM 0.081 THK
3	BLADE	6063-T6 ALUMINUM 0.070 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"x 3/16" CONT. ALUM ANGLE - 6061 T6
71	CONCRETE	3000 PSI CONCRETE
72	CMU	GROUT FILLED CONCRETE MASONRY UNIT, ASTM C90, TYPE II
73	STRUCTURAL STEEL	3/16" THK. MIN. (A36 MIN.) - ANY SHAPE IS ACCEPTABLE
74	STEEL STUD	16 GA MIN. (FY=33 KSI MIN.)
75	ALUMINUM	1/8" MIN. (FY=25 KSI MIN.) - ANY SHAPE IS ACCEPTABLE
76	WOOD	G = 0.42 (min.)

ALL S.S. FASTENERS SPECIFIED IN THIS
FASTENER SCHEDULE TABLE 3 MUST BE
PROVIDED AS SERIES 300 S.S.

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

Fastener Schedule - (Table 3)

Part Num.	Fastener Description	Substrate	Fastener Spacing	Min. Edge Dist.	Min. embed.
100	1/4" x 1" LG. SS self drilling or self tapping sheet metal screw	0.081 Aluminum Jamb (F _y = 25 Ksi min.)	3"	1/2"	N/A
101	1/4" x 1" LG. SS self drilling or self tapping sheet metal screw	16 Ga. min. Steel Stud (F _y = 33 Ksi min.)	2 3/4"	1/2"	N/A
102	1/4" SS self drilling or self tapping sheet metal screw	3/16" min. Structural Steel (A36 min.)	9"	1/2"	N/A
103	1/4" Dia Hilti Kwik-Con II Series 300 or equiv.	Grout Filled CMU	3"	1 1/2"	1 3/4"
104	3/8" Dia Hilti Kwik HUS Series 300 or equiv.	3000 psi Concrete min.	6"	3"	2 1/2"
105	1/4" SS self drilling or self tapping screws	Aluminum 1/8" Thk min. (F _y = 25 Ksi min.)	4"	1/2"	N/A
106	1/4" SS wood screw	Wood 3" Thk min. (G = 0.42 min.)	2 1/2"	1 3/4"	1 13/16"
107	5/16" Pop Rivet - series 300 S.S.				