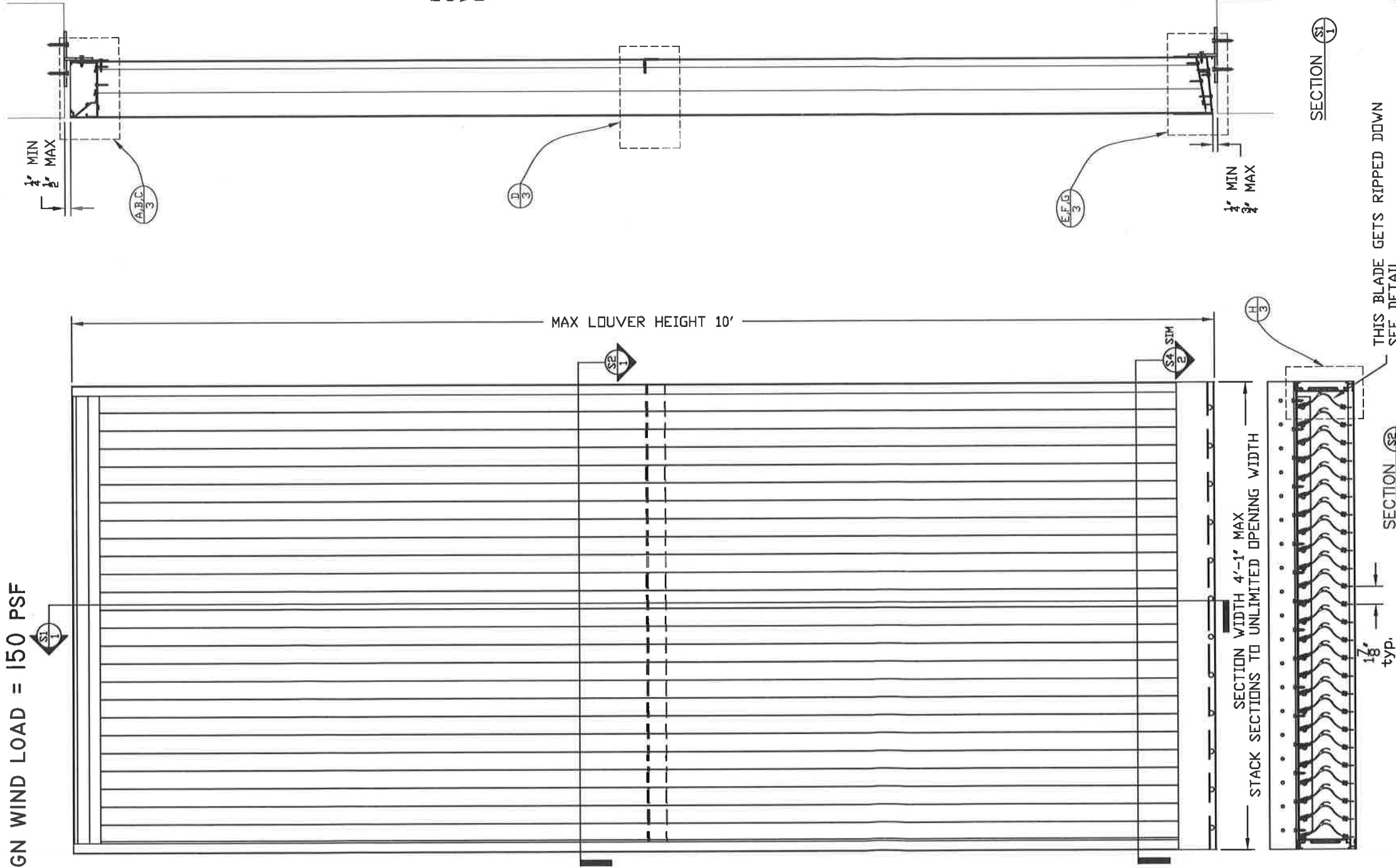


SPECIMEN I

DESIGN WIND LOAD = 150 PSF



- 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 except the 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) 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.
- 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 up to and including +/-150 PSF.
- 11) Individual section sizes limited to 41 sq. ft.
- 12) Stack sections horizontally to an unlimited opening width.
- 13) 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.
- 14) 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".
- 15) A horizontal blade stiffener angle is required if section height is greater than 60".

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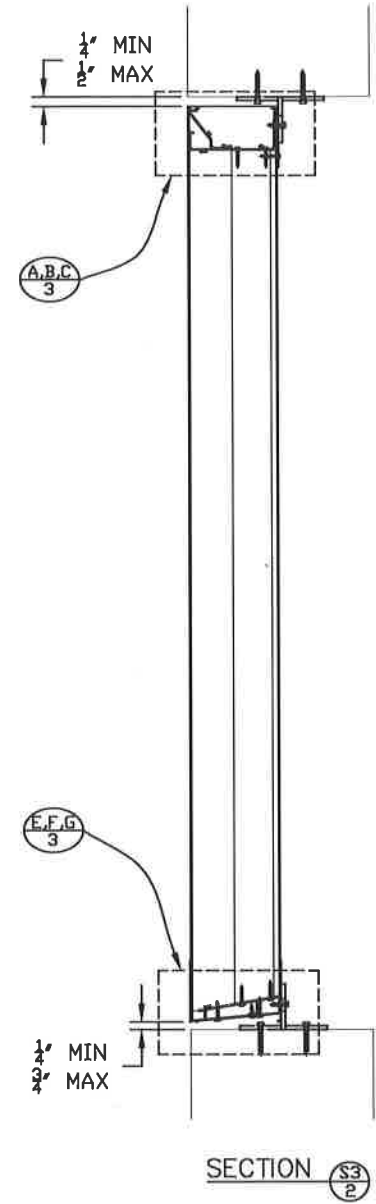
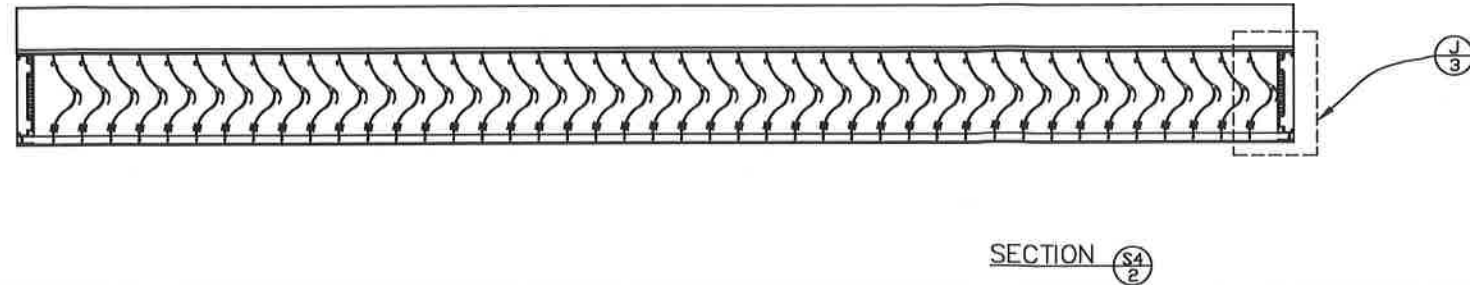
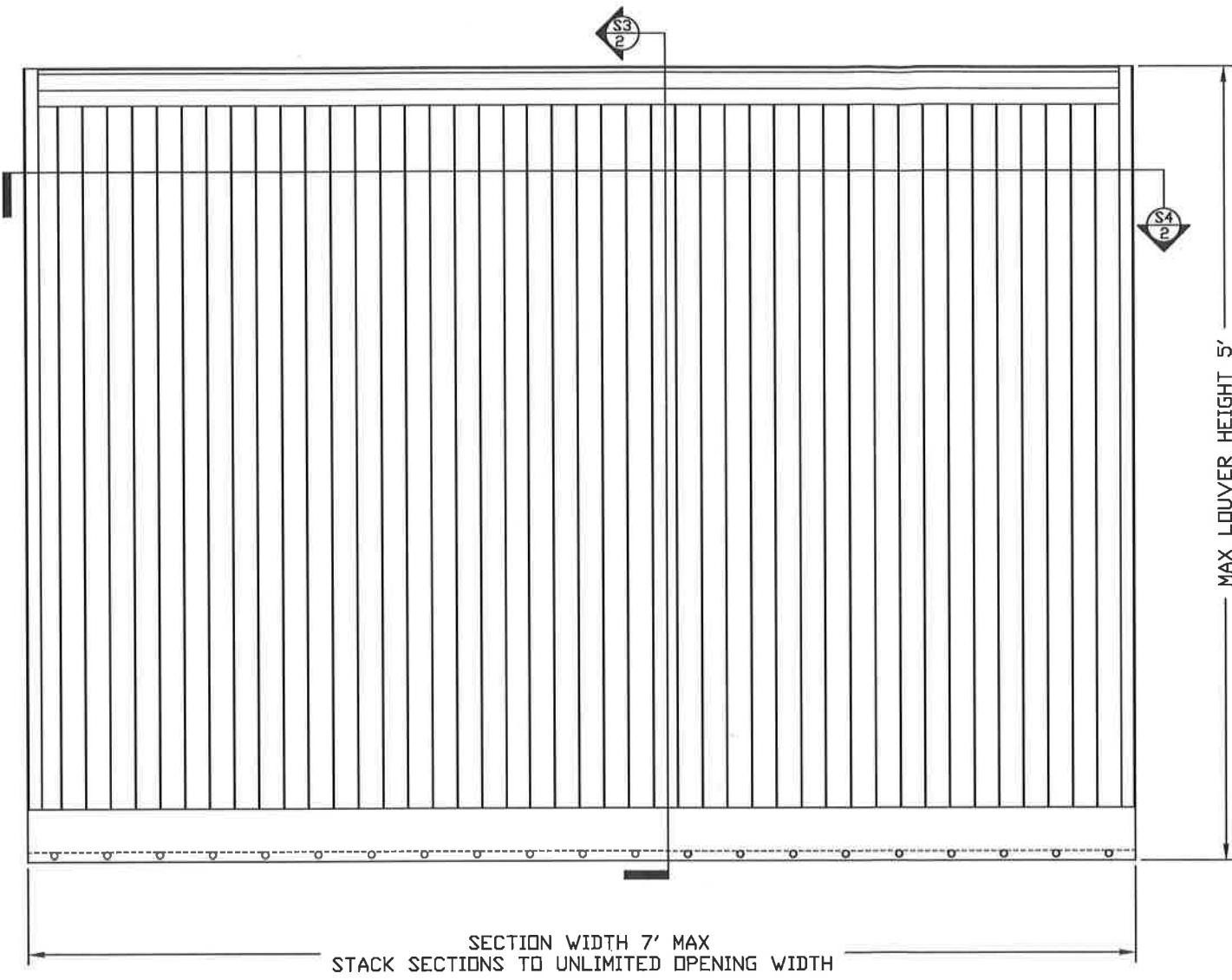
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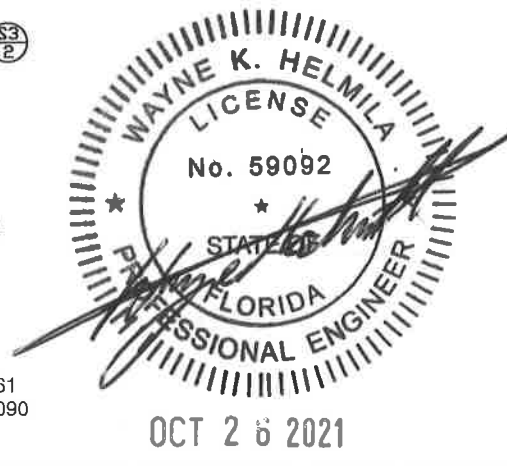


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SPECIMEN 2
DESIGN WIND LOAD = 150 PSF



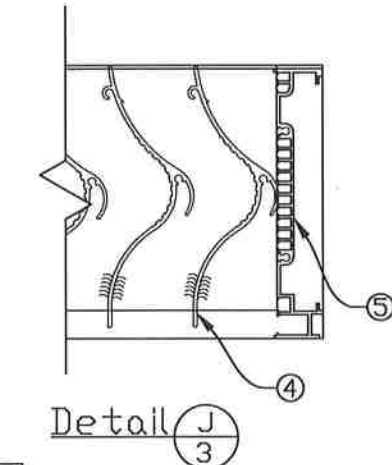
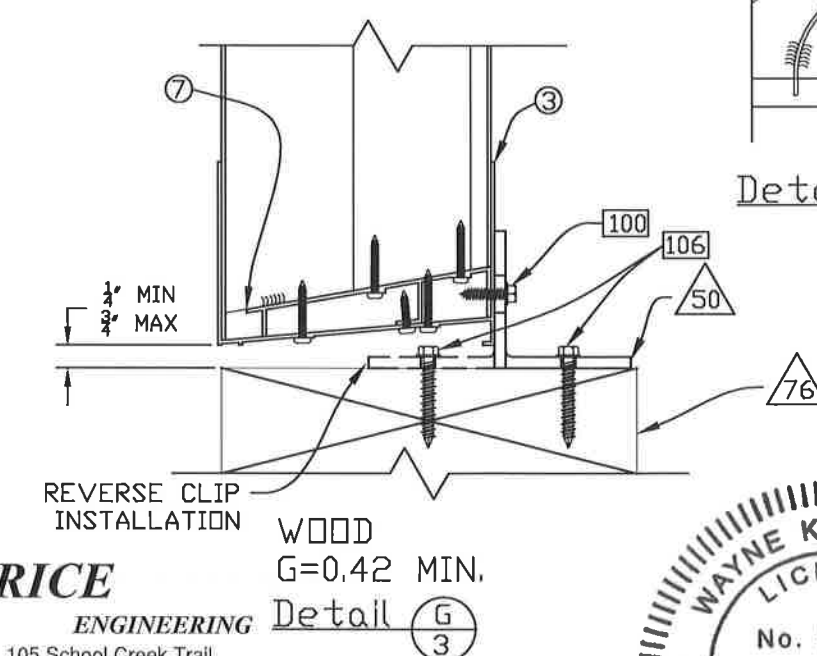
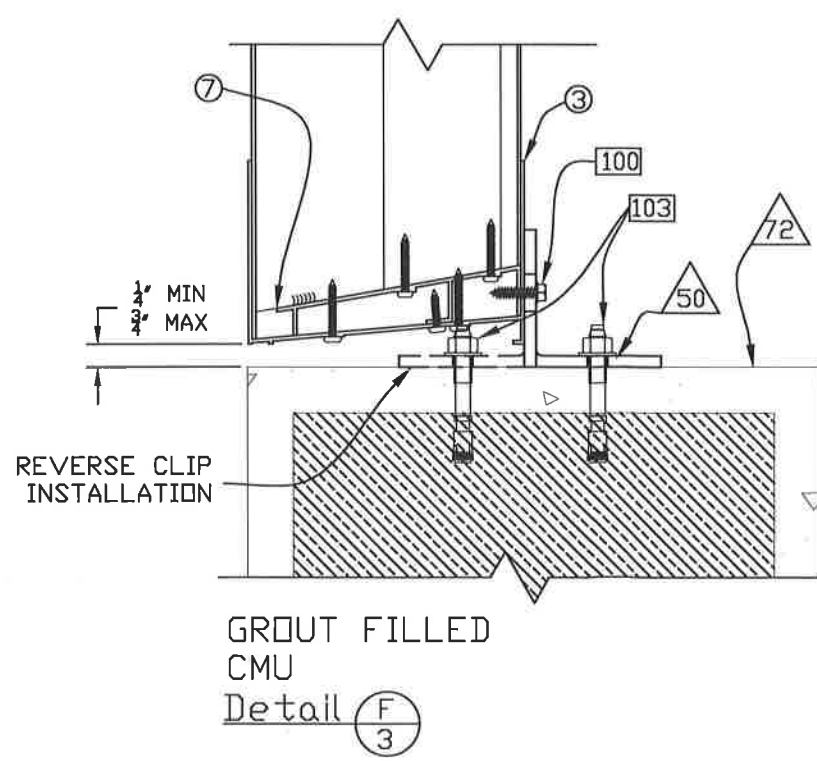
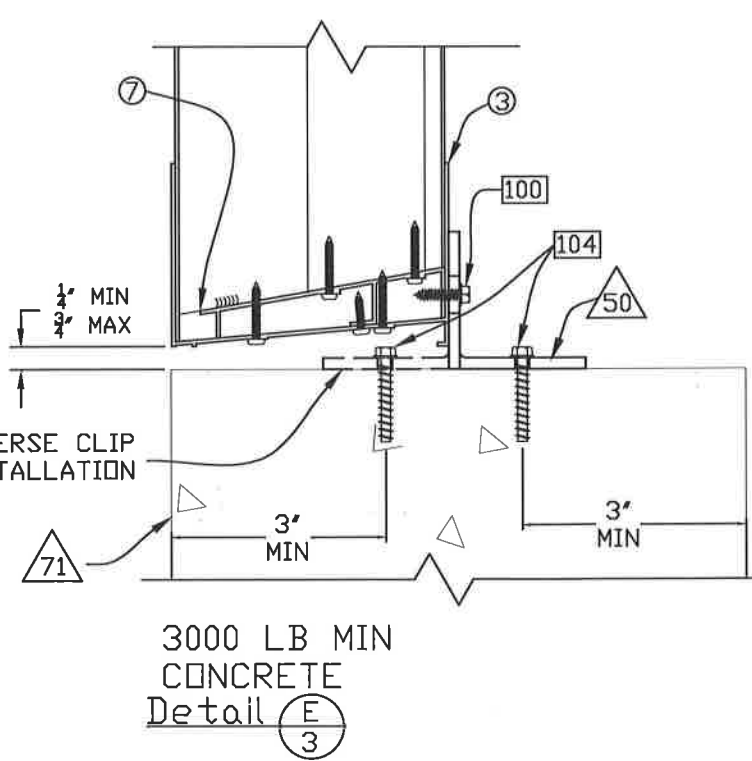
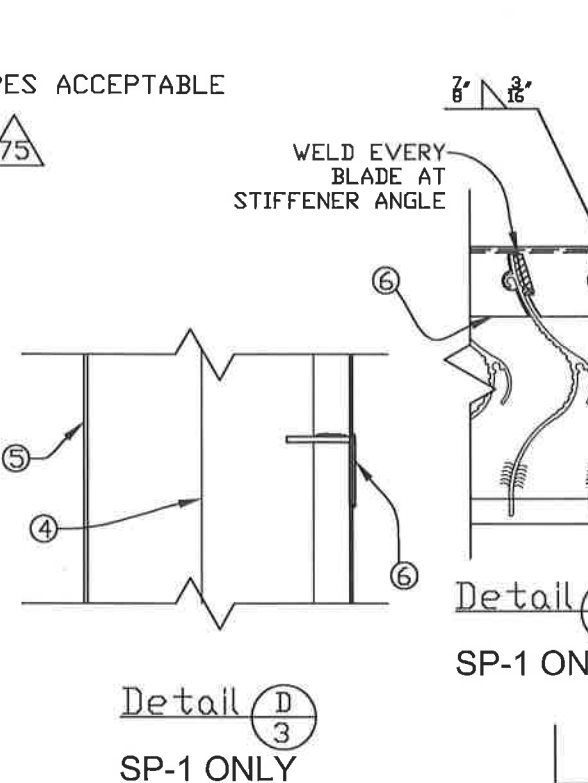
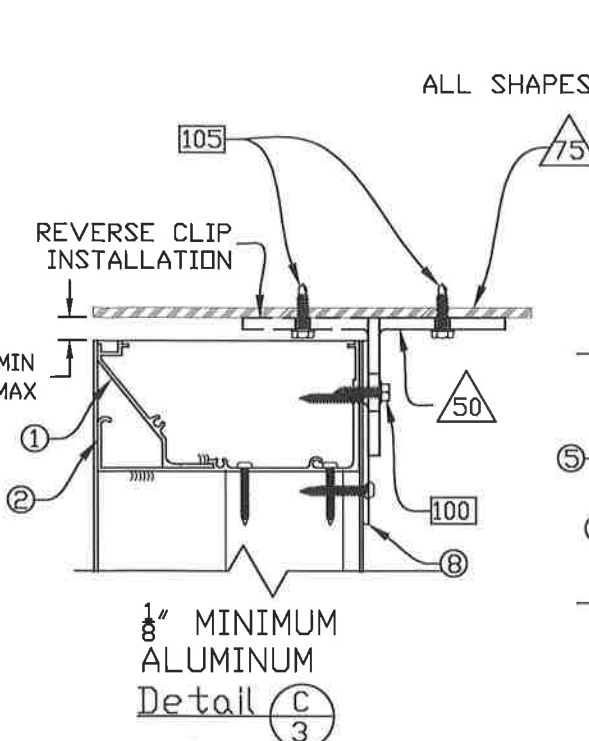
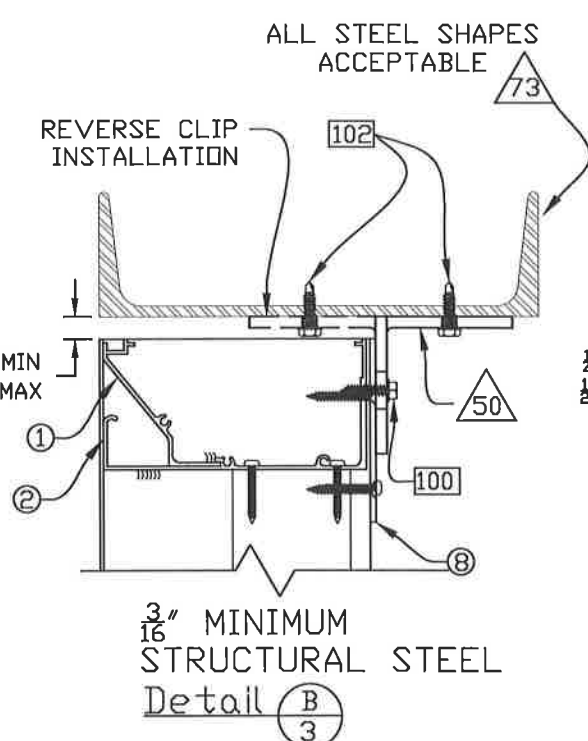
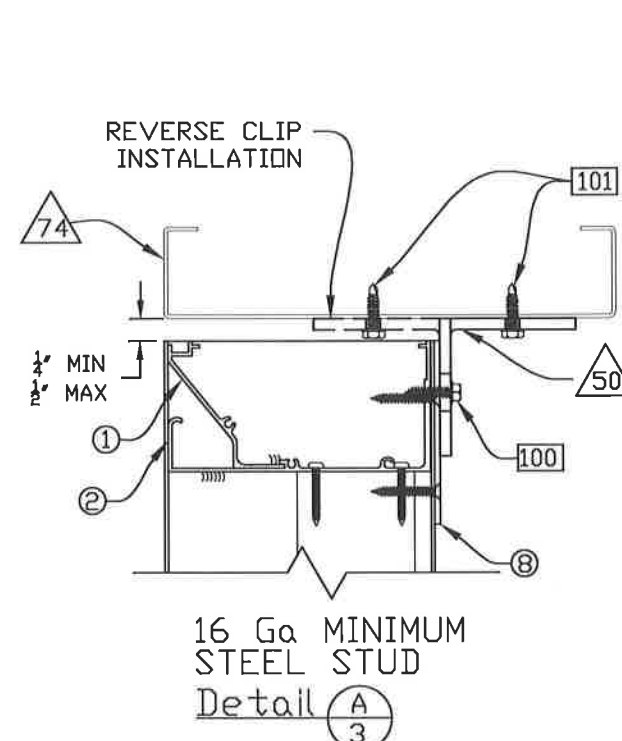
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PROJECT: DC-6804 SUBMITTAL DRAWINGS	REVISION: 3	04-20-2021
TITLE: SPECIMEN 2	DATE: 10-02-13	
SCALE: 1" = 1'	SHEET: 2 OF 6	
DRW BY: R. GEIST	DRW NO : RD-794-2	



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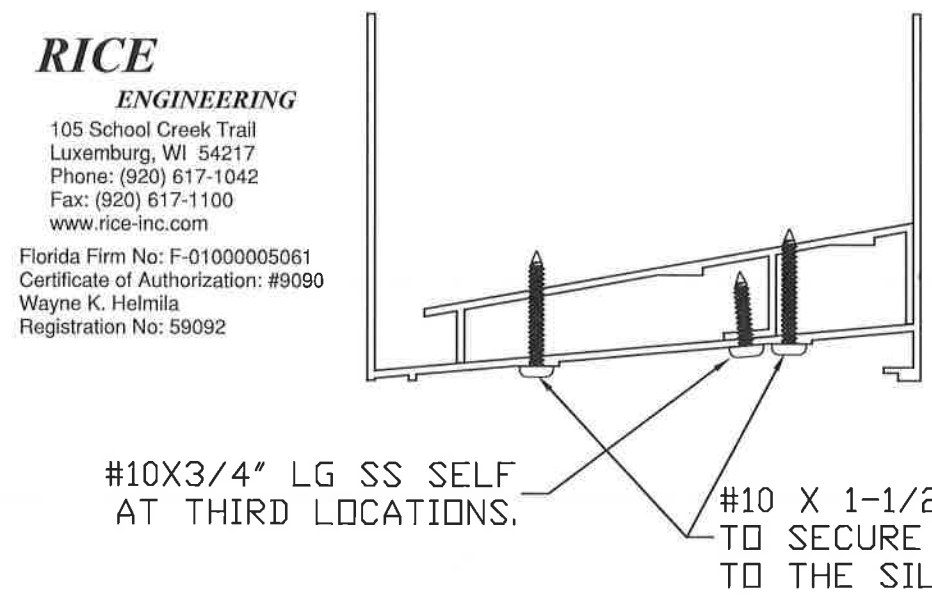
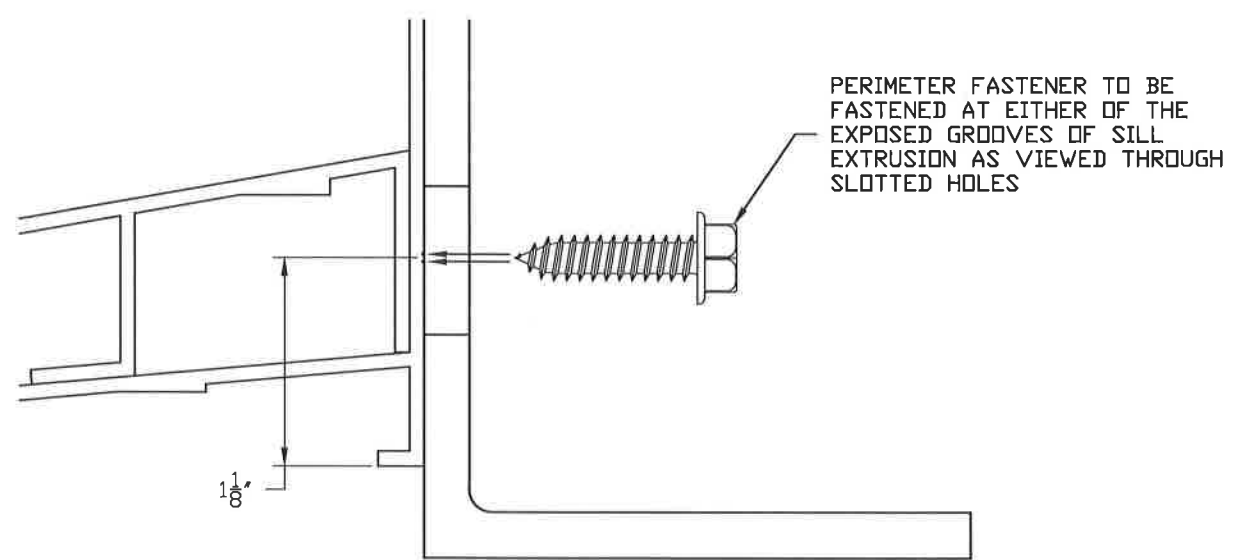
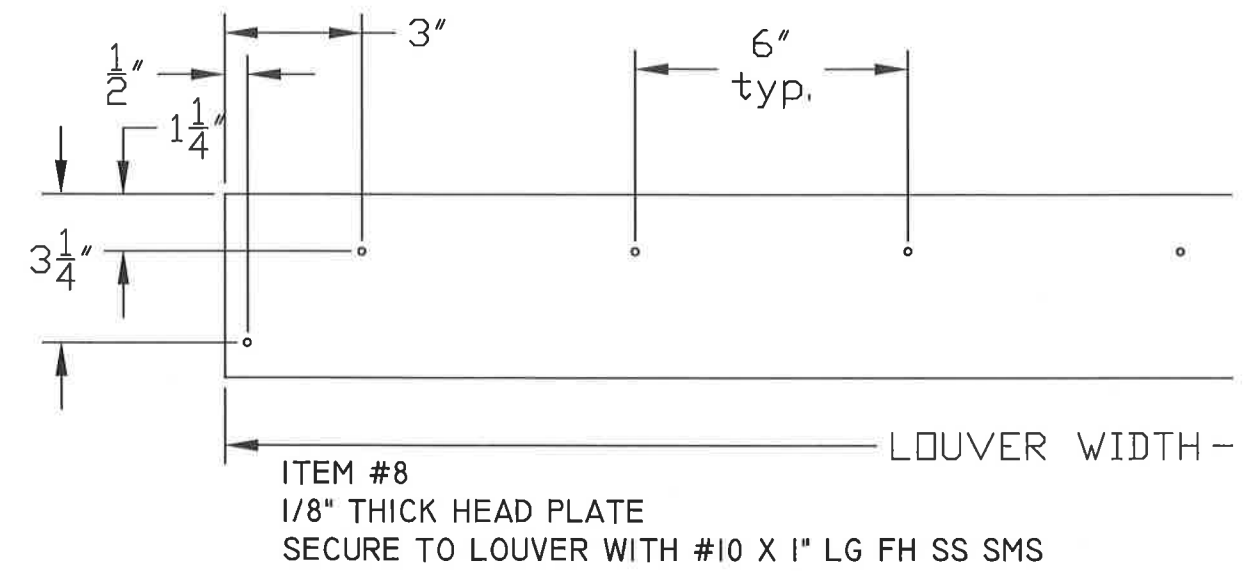
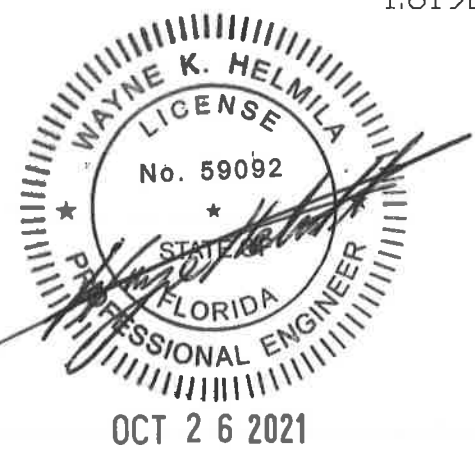
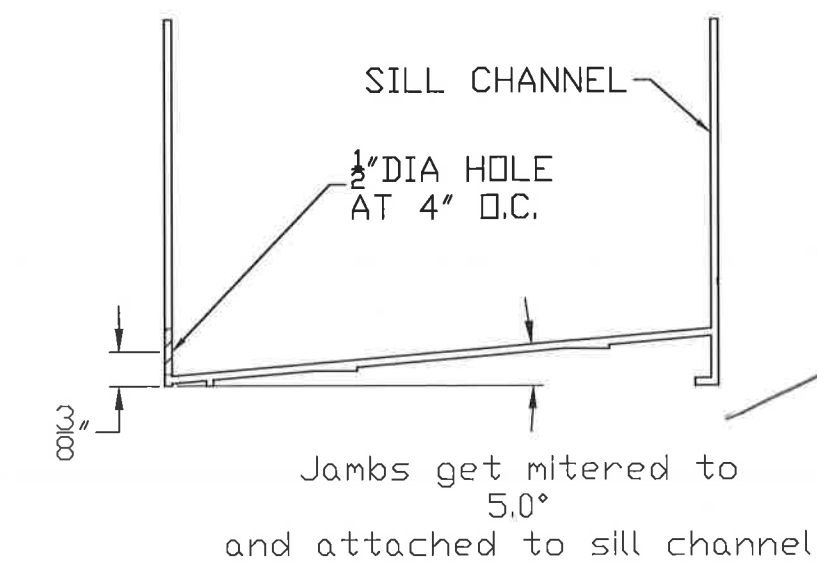
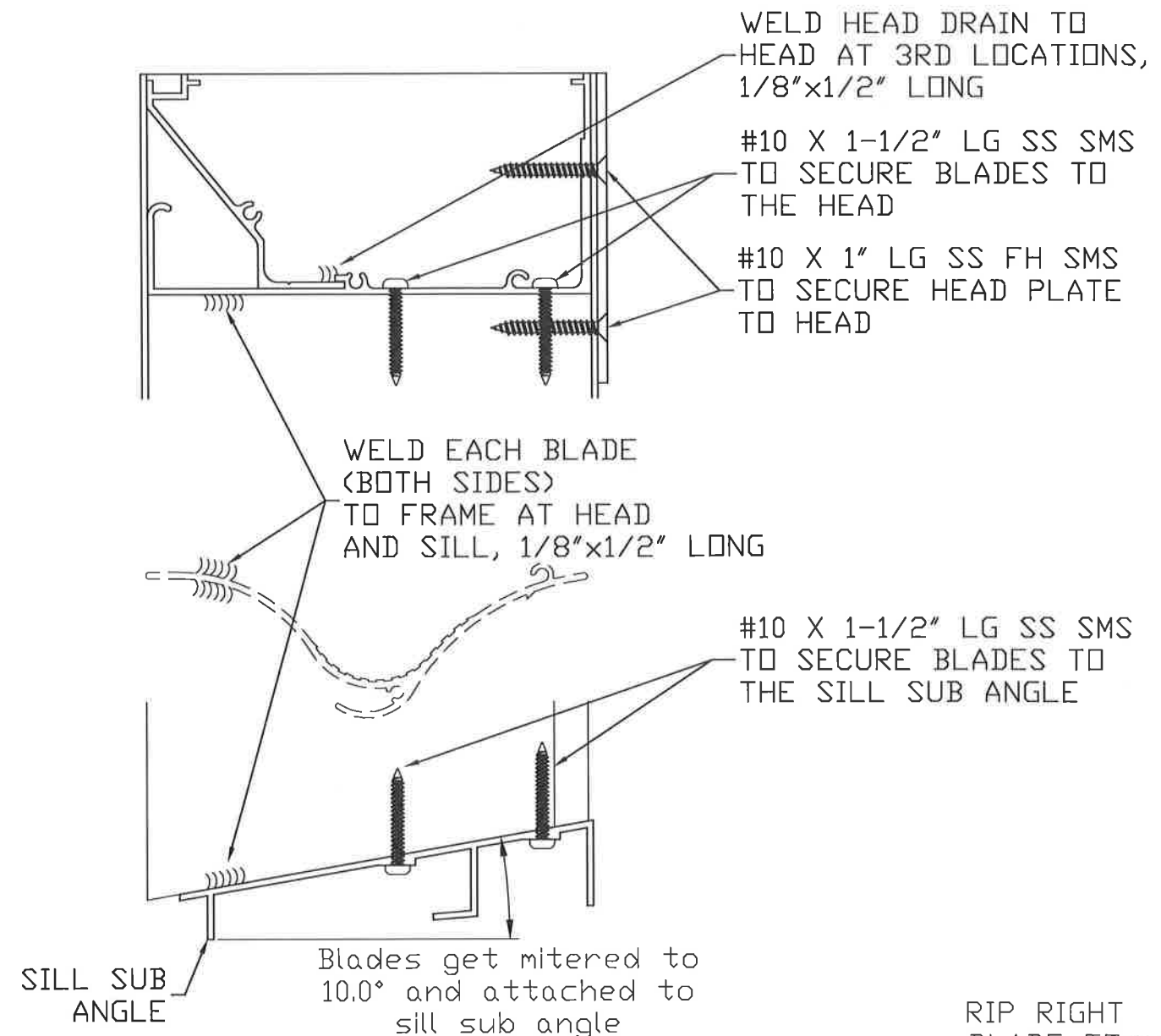
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PROJECT: DC-6804 SUBMITTAL DRAWINGS	REVISION: 3	DATE: 04-20-2021
TITLE: DETAILS	DATE: 10-02-13	
SCALE: 3" = 1'	SHEET: 3 OF 6	
DRW BY: R. GEIST	DRW NO: RD-794-3	

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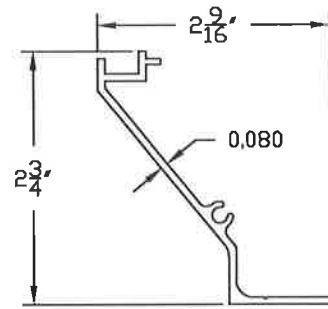


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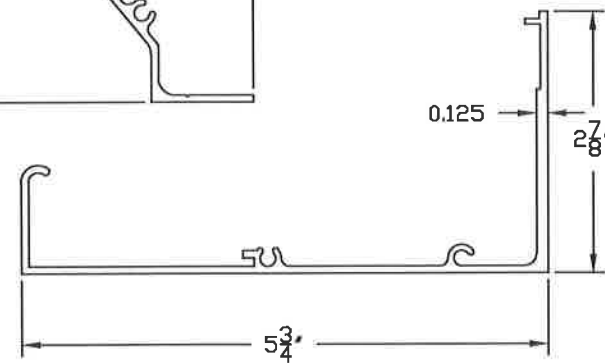
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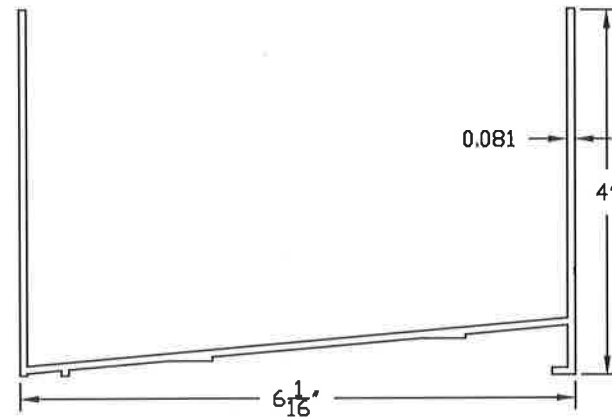
①- Head Drain



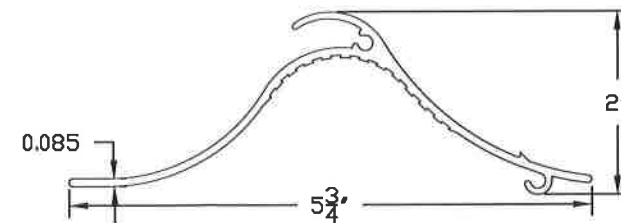
②- Head



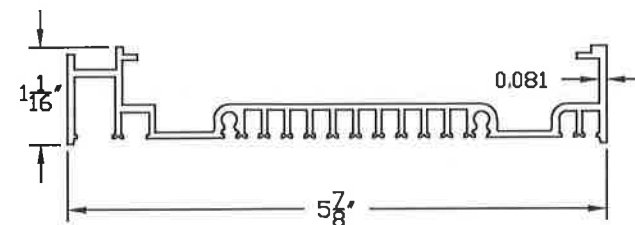
③- Sill Channel



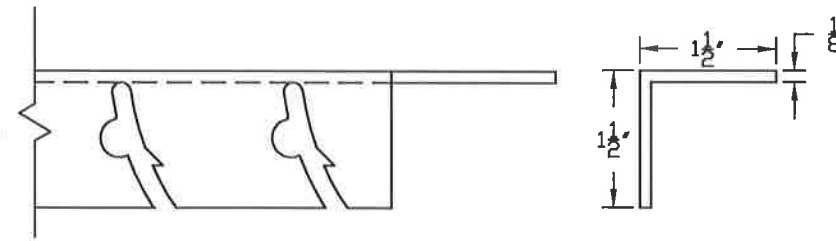
④- Blade



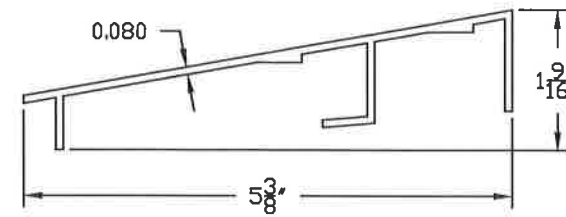
⑤- Jamb



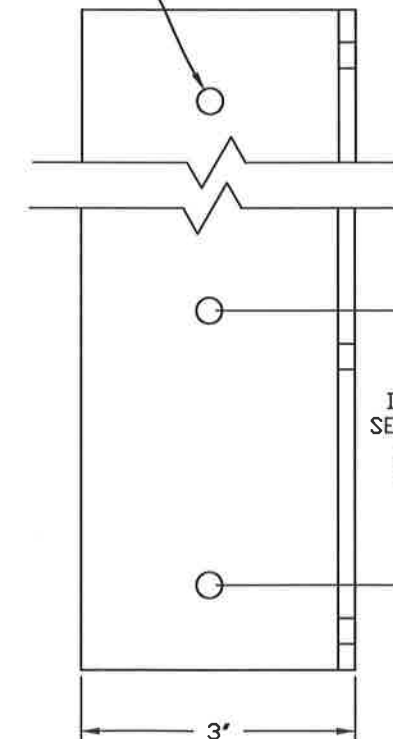
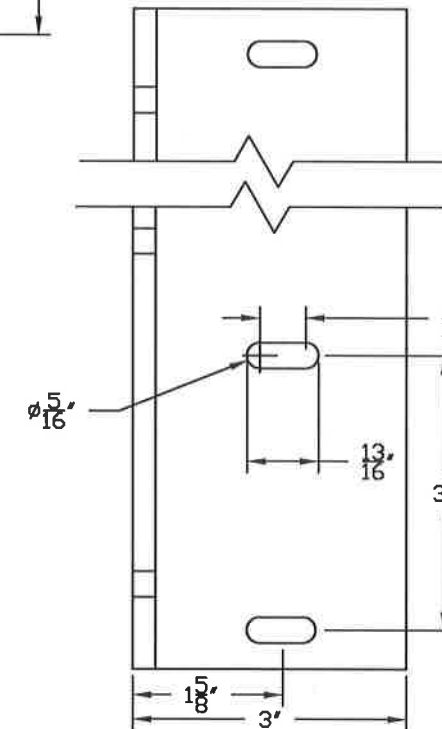
⑥- Blade Stiffener Angle



⑦- Sill Sub Angle



HOLE SIZE VARIES
SEE FASTENER
SCHEDULE
(TABLE 2)



DIM VARIES
SEE FASTENER
SCHEDULE
(TABLE 2)

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50 - HEAD/SILL
ANGLE



PROJECT: DC-6804 SUBMITTAL DRAWINGS	REVISION: 3	DATE: 04-20-2021
TITLE: PARTS	DATE: 10-02-13	
SCALE: HALF SCALE	SHEET: 5 OF 6	
DRW BY: R. GEIST	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	3000 PSI CONCRETE
72	CMU	GROUT FILLED CONCRETE MASONRY UNIT
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	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 Bi-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"-14 SS Bi-flex or equiv. self drilling or self tapping sheet metal screw	3/16" min. Structural Steel (A36 min.)	7"	1/2"	NA
103	1/2" Hilti Kwik Bolt 3 Series 300	Grout Filled CMU, 2000 psi min.	3 3/4"	1 3/4"	2 1/4"
104	3/8" Dia Hilti HUS Series 300 or equiv.	3000 psi Concrete min. (5" Min. conc.base)	6"	3"	3 1/4"
105	1/4"-14 SS Bi-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" SS wood screw	Wood 3" Thk min. (G = 0.42 min.)	2 1/2"	1"	2"

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REVISION: 3 04-20-2021

PROJECT: DC-6804 SUBMITTAL DRAWINGS

TITLE: TABLES

SCALE: N/A

DRW BY: R. GEIST

DATE: 10-02-13

SHEET: 6 OF 6

DRW NO : RD-794-5



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