

E|S Louvers & Screens

Luviline

Architectural Louver

E|S METALS

ABOUT US

ES Metals is a company specialized in the design, engineering, and manufacturing of architectural solutions in aluminum, steel, composites and other materials. We offer a diverse portfolio that includes façade systems, cladding, louvers, pergolas, railings, and more.

We work hand in hand with architects and contractors, delivering high-quality, tailor-made products for each project. Our commitment is to exceed expectations through reliability, innovation, and excellence in every detail.

At ES METALS, we turn creative ideas into buildable solutions.



E|S Louvers & Screens

SERIE 100

The Luviline L100 is a system of linear architectural louvers with open profiles, designed to control solar impact and minimize excessive water penetration in large-scale projects. It features easy installation and a modular design that allows customized configurations, with different blade spacing to enhance natural ventilation and add character to the façade. The exposed fasteners, carefully integrated as part of the design, provide an industrial and authentic touch that combines functionality with architectural identity.



LUVILINE L100

E|S Louvers & Screens

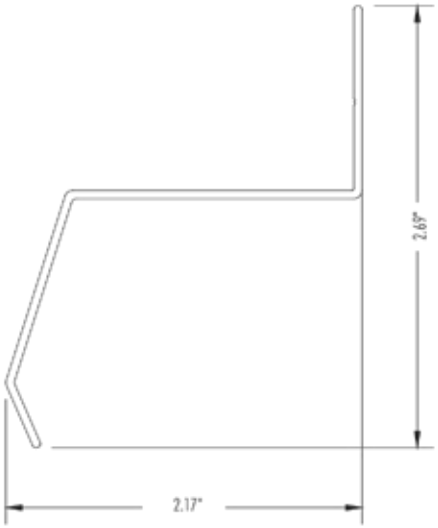
SPECIFICATIONS TABLE

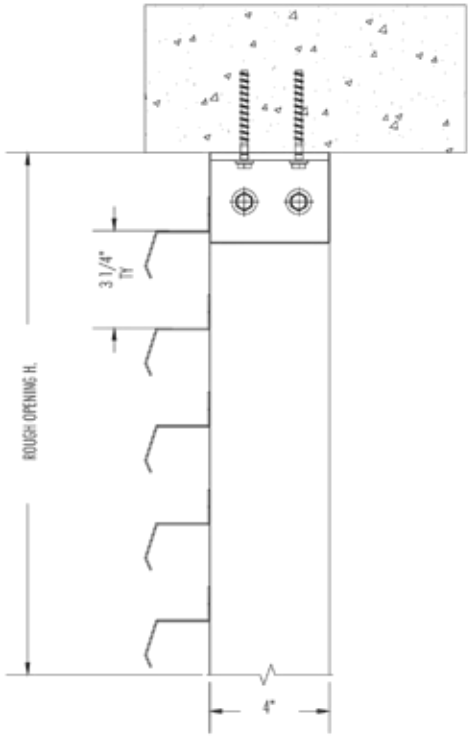
Spacing between centers of blades	3.25″. May vary depending on architectural intent.
Free spacing between blades	2.1″.
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.26 lb/ft.
System weight	1.8 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	46%. (Considering a spacing between centers of blades of 3.25″).

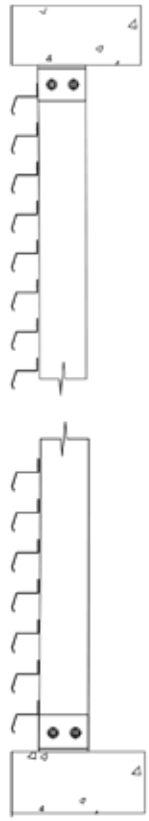
ENGINEERING ANALYSIS

L100		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3.5	ADMISSIBLE				NOT ADMISSIBLE			
	5.0								
	6.5								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 4"x2"x1/8" profiles (AL 6005 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L101

E|S Louvers & Screens

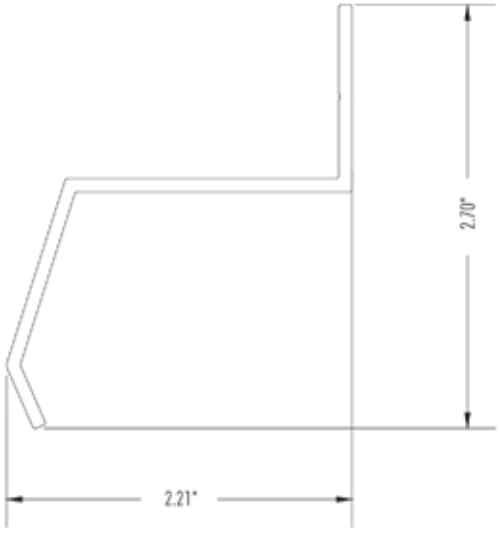
SPECIFICATIONS TABLE

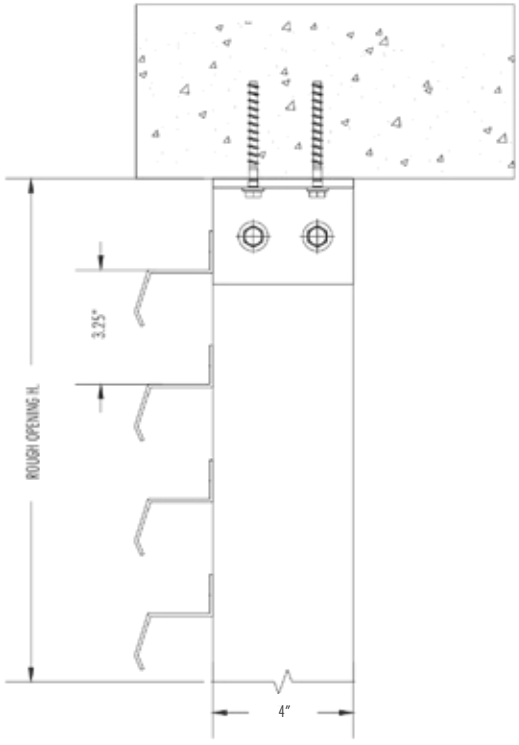
Spacing between centers of blades	3.25″. May vary depending on architectural intent.
Free spacing between blades	2.06″.
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.45 lb/ft.
System weight	2.5 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	46%. (Considering a spacing between centers of blades of 3.25″).

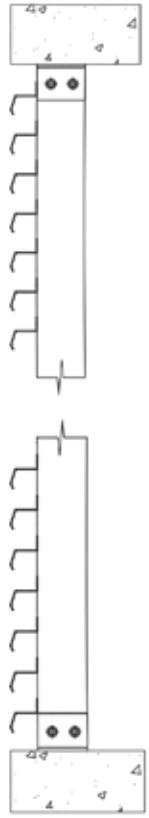
ENGINEERING ANALYSIS

L101		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3.5	ADMISSIBLE					NOT ADMISSIBLE		
	5.0								
	6.5								
	8.5								
	10								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 4"x2"x1/8" profiles (AL 6063 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L102

E|S Louvers & Screens

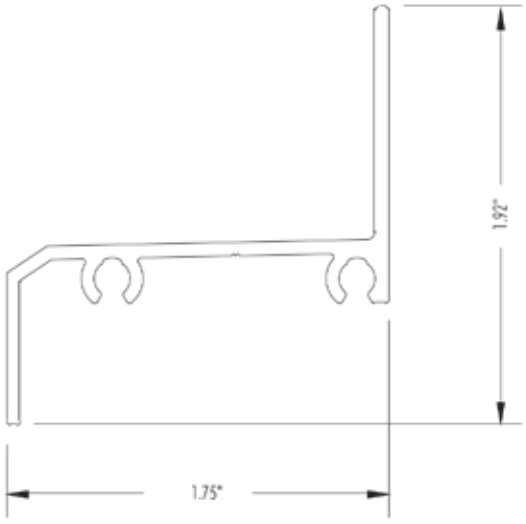
SPECIFICATIONS TABLE

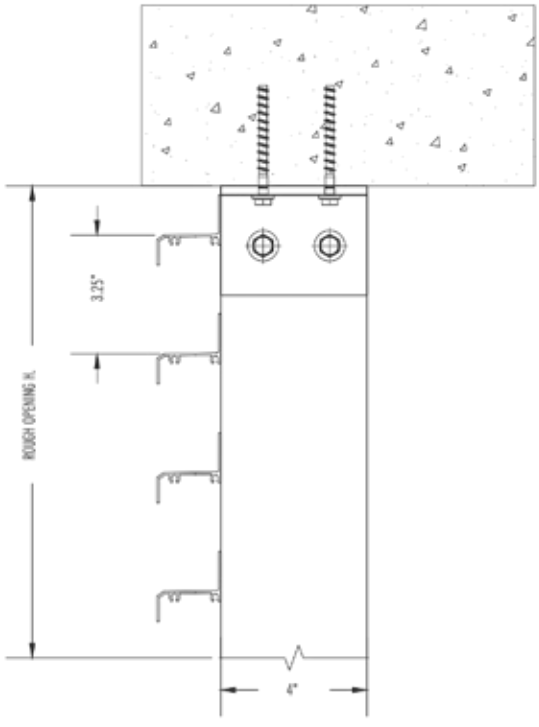
Spacing between centers of blades	3.25". May vary depending on architectural intent.
Free spacing between blades	1.68".
Spacing between mullions	5'.
Spacing between brackets	10.5'.
Blade weight	0.33 lb/ft.
System weight	2.1 lb/ft². (Considering a spacing between centers of mullions of 5').
Open area	51%. (Considering a spacing between centers of blades of 3.25").

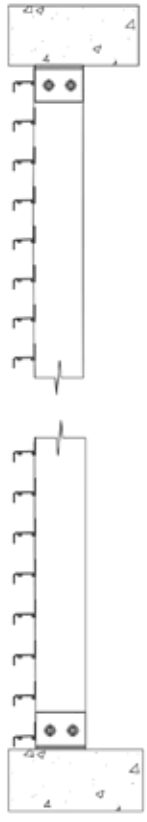
ENGINEERING ANALYSIS

L102		WIND LOAD - (PSF)							
		30	50	60	80	90	110	120	140
Spacing between mullions (ft)	3.0	ADMISSIBLE						NOT ADMISSIBLE	
	3.5								
	5								
	6.5								
	8,5								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 4"x2"x1/8" profiles (AL 6005 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L103

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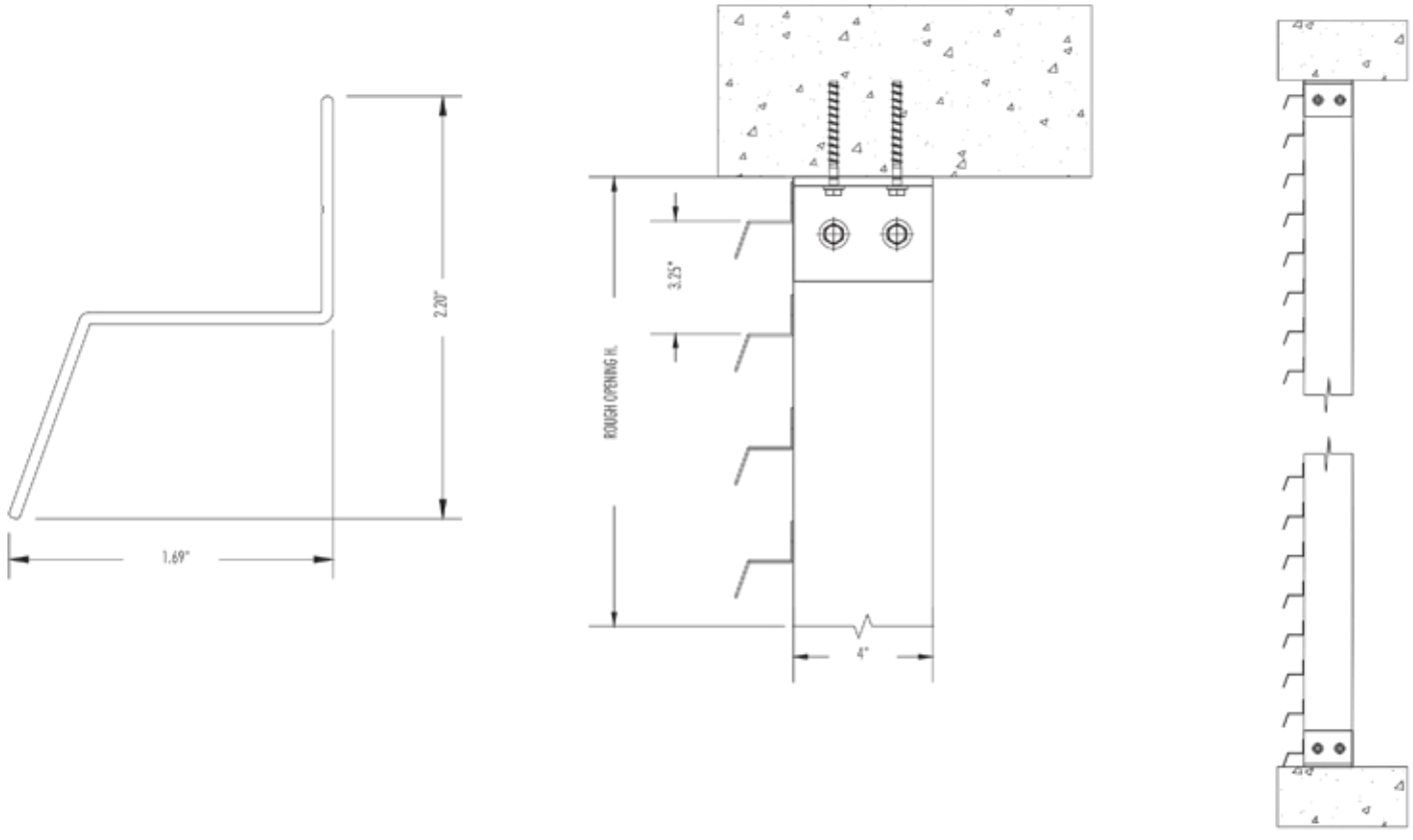
SPECIFICATIONS TABLE

Spacing between centers of blades	3.25". May vary depending on architectural intent.
Free spacing between blades	2.07".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.24 lb/ft.
System weight	2.2 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	51%. (Considering a spacing between centers of blades of 3.25").

ENGINEERING ANALYSIS

L103		WIND LOAD - (PSF)							
		30	40	50	60	70	80	90	110
Spacing between mullions (ft)	3.5	ADMISSIBLE				NOT ADMISSIBLE			
	5								
	6.5								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 4"x2"x1/8" profiles (AL 6005 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.



LUVILINE L104

E|S Louvers & Screens

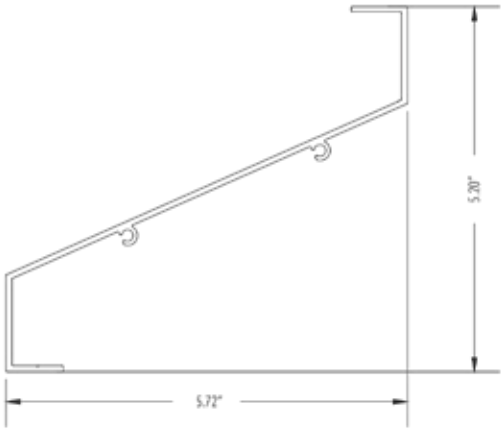
SPECIFICATIONS TABLE

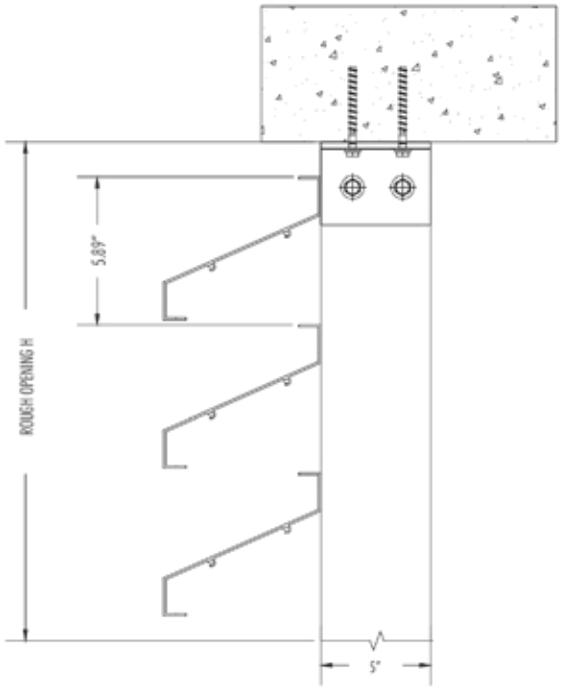
Spacing between centers of blades	5.89". May vary depending on architectural intent.
Free spacing between blades	3.99".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.05 lb/ft.
System weight	2.93 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	52%. (Considering a spacing between centers of blades of 5.89").

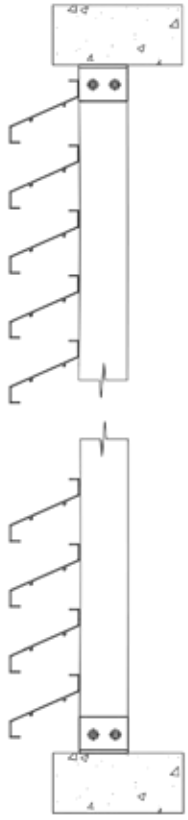
ENGINEERING ANALYSIS

L104		WIND LOAD - (PSF)									
		20	30	40	50	60	70	80	90	100	110
Spacing between mullions (ft)	3	ADMISSIBLE								NOT ADMISSIBLE	
	3.5										
	5										
	6.5										

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L105

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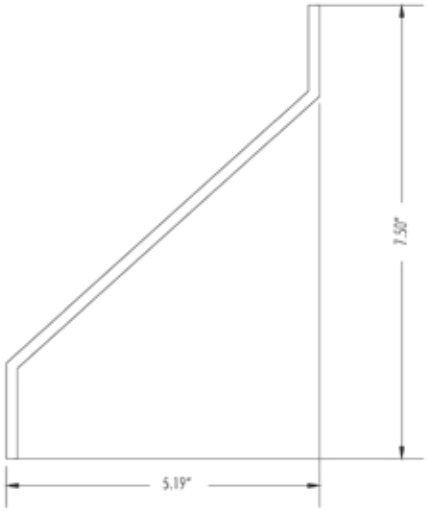
SPECIFICATIONS TABLE

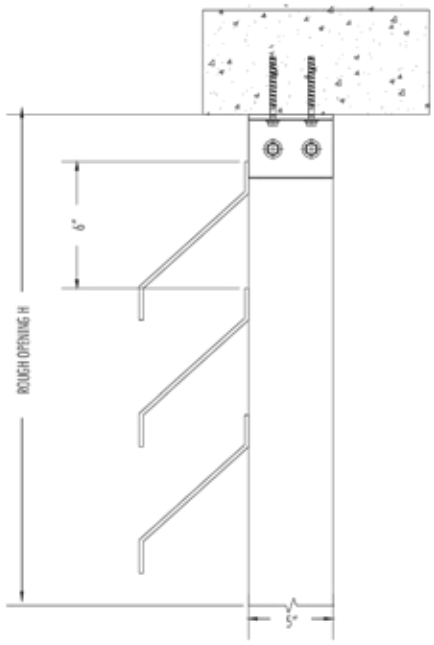
Spacing between centers of blades	6". May vary depending on architectural intent.
Free spacing between blades	4.5".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	2.12 lb/ft.
System weight	2.93 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	45%. (Considering a spacing between centers of blades of 6").

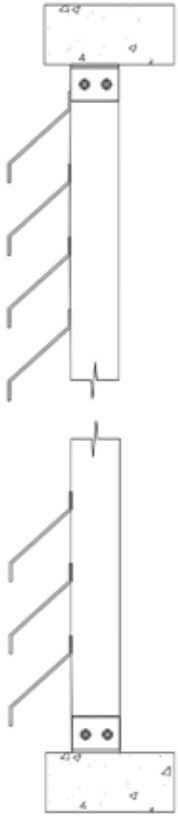
ENGINEERING ANALYSIS

L105		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3.5	ADMISSIBLE					NOT ADMISSIBLE		
	5.0								
	6.5								
	8.5								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L106

Louvers & Screens

SPECIFICATIONS TABLE

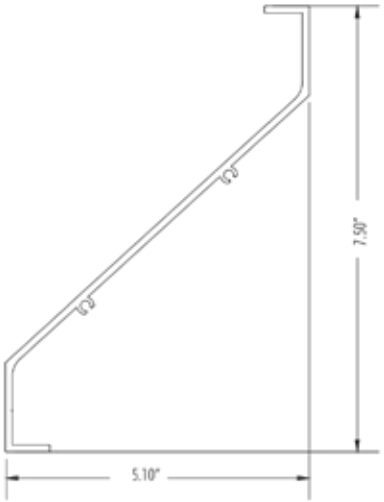
Spacing between centers of blades	6". May vary depending on architectural intent.
Free spacing between blades	4.49".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.58 lb/ft.
System weight	3.63 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	41%. (Considering a spacing between centers of blades of 6").

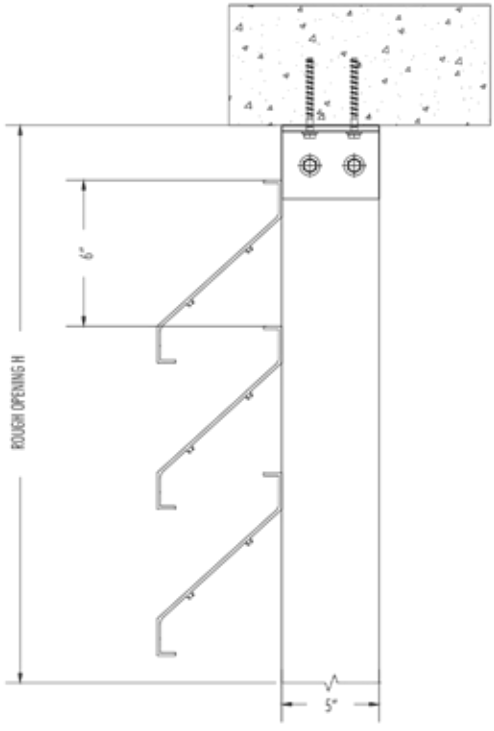
ENGINEERING ANALYSIS

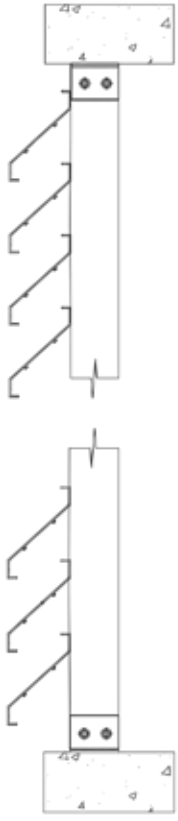
L106		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3	ADMISSIBLE								
	3.5									
	5									
	6.5									
	8.5									

NOT ADMISSIBLE

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L107

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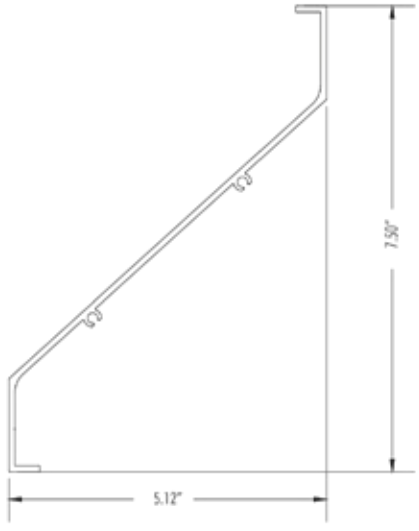
SPECIFICATIONS TABLE

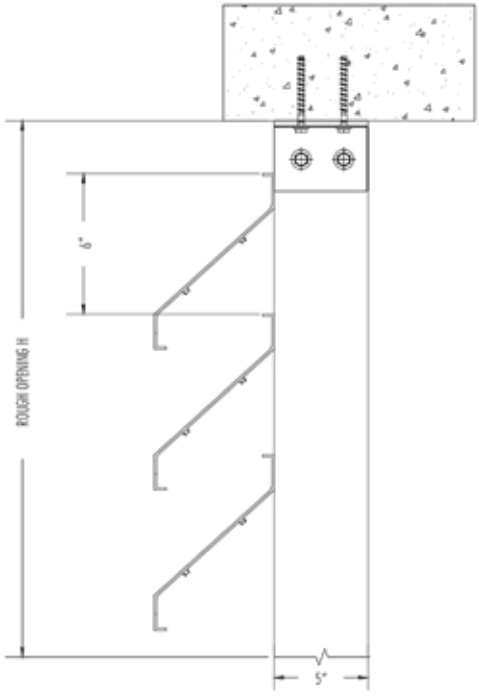
Spacing between centers of blades	6". May vary depending on architectural intent.
Free spacing between blades	4.49".
Spacing between mullions	3.5'
Spacing between brackets	10.5'.
Blade weight	1.58 lb/ft.
System weight	3.05 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	35%. (Considering a spacing between centers of blades of 6").

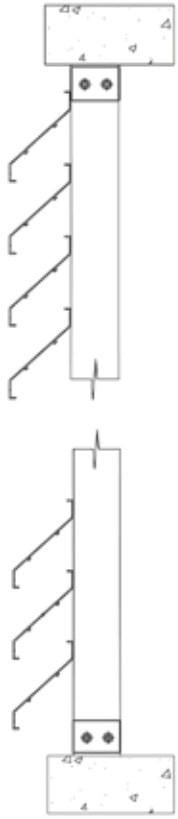
ENGINEERING ANALYSIS

L107		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3.5	ADMISSIBLE					NOT ADMISSIBLE		
	5.0								
	6.5								
	8.5								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L108

Louvers & Screens

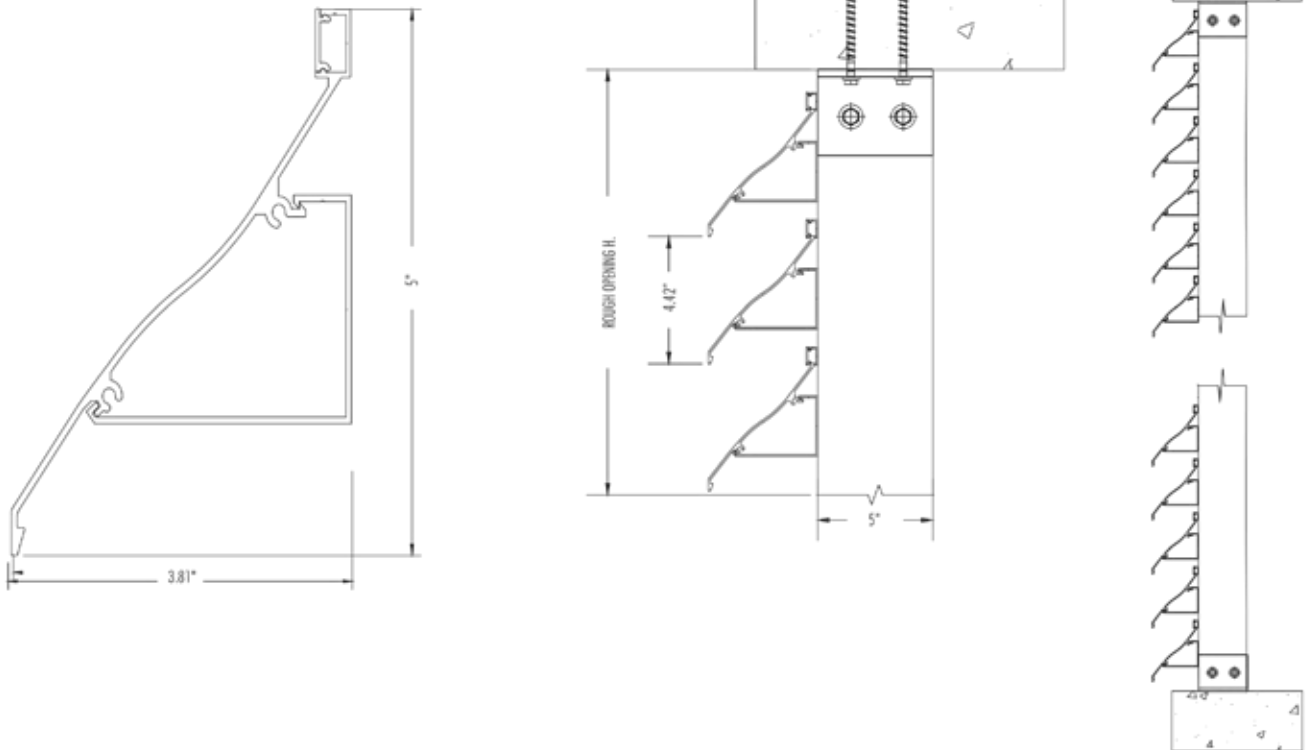
SPECIFICATIONS TABLE

Spacing between centers of blades	4.42". May vary depending on architectural intent.
Free spacing between blades	3.8".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.71 lb/ft.
System weight	2.68 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	46%. (Considering a spacing between centers of blades of 4.42").

ENGINEERING ANALYSIS

L108		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3	ADMISSIBLE								
	3.5									
	5									
	6.5									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6005 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.



LUVILINE L109

Louvers & Screens

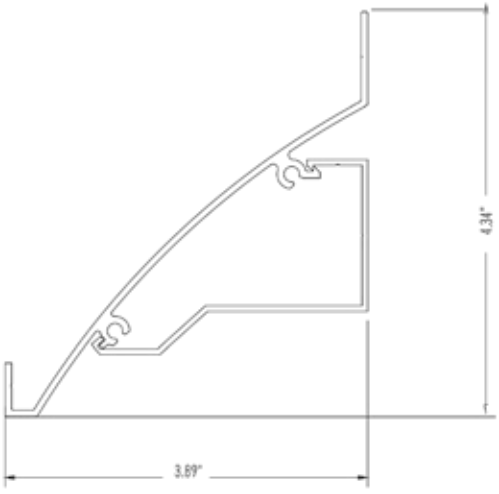
SPECIFICATIONS TABLE

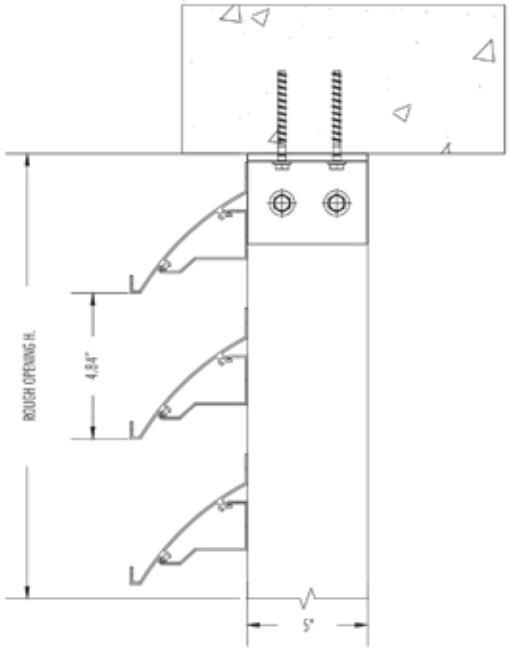
Spacing between centers of blades	4.84". May vary depending on architectural intent.
Free spacing between blades	3.84".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.68 lb/ft.
System weight	2.35 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	55%. (Considering a spacing between centers of blades of 4.84").

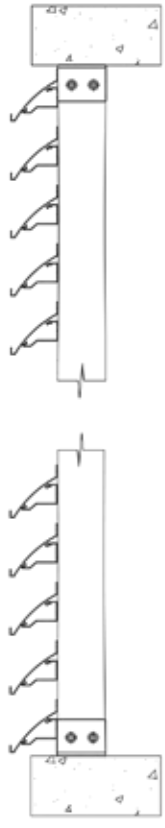
ENGINEERING ANALYSIS

L109		WIND LOAD - (PSF)										
		20	30	40	50	60	70	80	90	100	110	120
Spacing between mullions (ft)	3	ADMISSIBLE									NOT ADMISSIBLE	
	3.5											
	5											
	6.5											

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6005 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L110

E|S Louvers & Screens

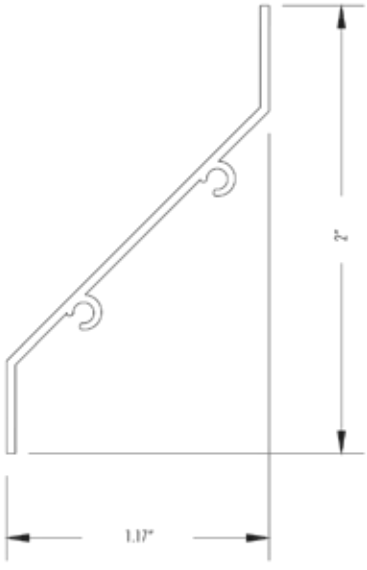
SPECIFICATIONS TABLE

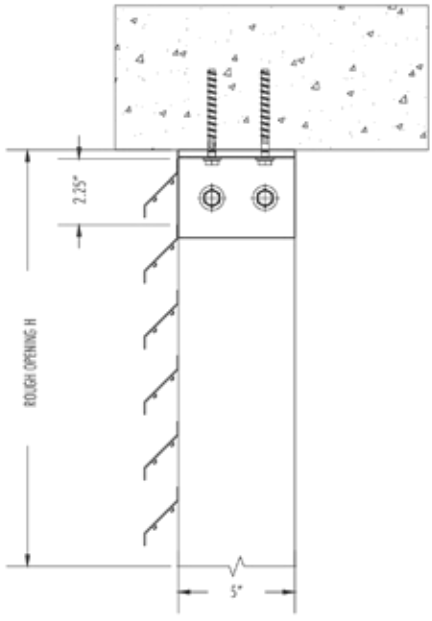
Spacing between centers of blades	2.25". May vary depending on architectural intent.
Free spacing between blades	1.77".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.16 lb/ft.
System weight	2.93 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	44%. (Considering a spacing between centers of blades of 2.25").

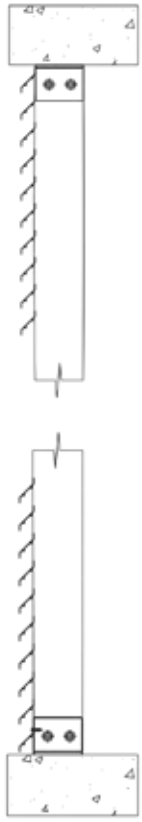
ENGINEERING ANALYSIS

L110		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3	ADMISSIBLE							
	3.5					NOT ADMISSIBLE			

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L111

E|S Louvers & Screens

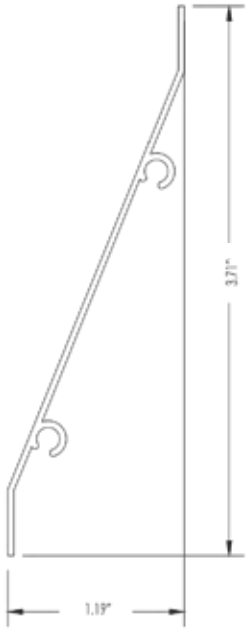
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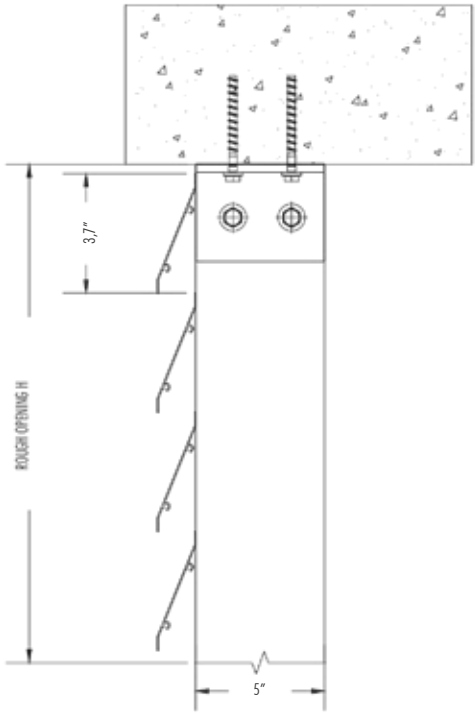
Spacing between centers of blades	3.7". May vary depending on architectural intent.
Free spacing between blades	3.25".
Spacing between mullions	2'.
Spacing between brackets	10.5'.
Blade weight	0.22 lb/ft.
System weight	1.45 lb/ft². (Considering a spacing between centers of mullions of 2').
Open area	24%. (Considering a spacing between centers of blades of 3.7").

ENGINEERING ANALYSIS

L111		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	1	ADMISSIBLE					NOT ADMISSIBLE		
	1.5								
	2								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L112

Louvers & Screens

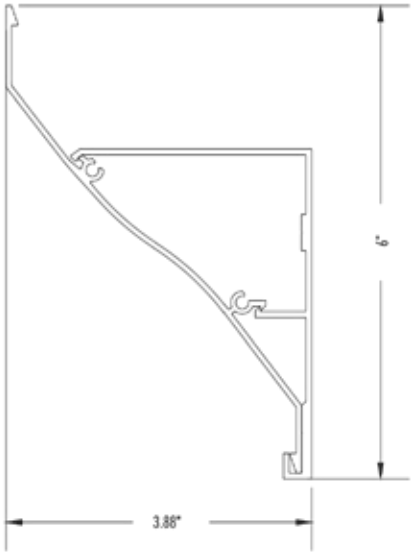
SPECIFICATIONS TABLE

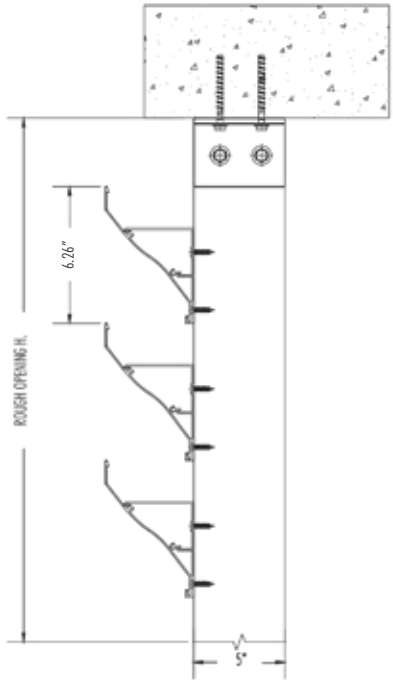
Spacing between centers of blades	6". May vary depending on architectural intent.
Free spacing between blades	4.49".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.58 lb/ft.
System weight	3.63 lb/ft². (Considering a spacing between centers of mullions of 3.5').
Open area	41%. (Considering a spacing between centers of blades of 6").

ENGINEERING ANALYSIS

L112		WIND LOAD - (PSF)									
		20	30	40	50	60	70	80	90	100	110
Spacing between mullions (ft)	3	ADMISSIBLE									
	3.5										
	5								NOT ADMISSIBLE		
	6.5										

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6005 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







E|S Louvers & Screens

SERIE 200

The Luviline L200 features closed profiles with an orthogonal section, offering a robust and aesthetic solution for projects that require solar control and protection against excessive water. Its simple installation and ability to adapt to different configurations and blade spacing enable precise and functional architectural solutions. Concealed fasteners deliver a clean, elegant finish, ideal for façades seeking a balance between technical performance and sophisticated design.



LUVILINE L200

E|S Louvers & Screens

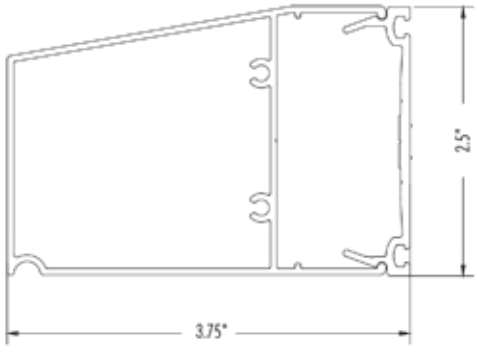
SPECIFICATIONS TABLE

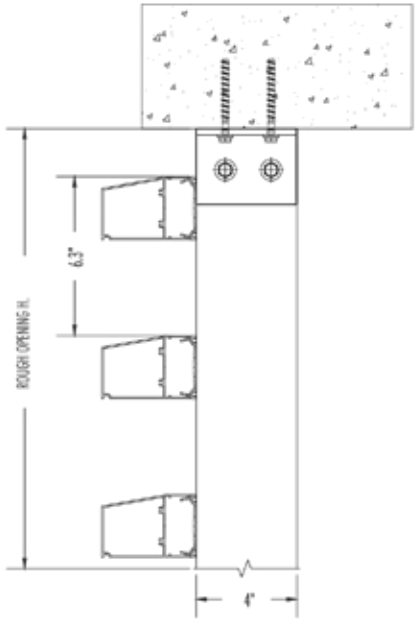
Spacing between centers of blades	6.3″. May vary depending on architectural intent.
Free spacing between blades	3.5″.
Spacing between mullions	6.5'.
Spacing between brackets	10.5'.
Blade weight	0.874 lb/ft.
System weight	2.59 lb/ft² . (Considering a spacing between centers of mullions of 6.5').
Open area	54%. (Considering a spacing between centers of blades of 6.3″).

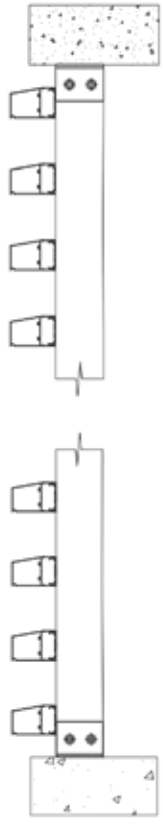
ENGINEERING ANALYSIS

L200		WIND LOAD - (PSF)											
		60	70	80	90	100	110	120	130	140	150	160	200
Spacing between mullions (ft)	3.5	ADMISSIBLE											
	5												
	6.5												NOT ADMISSIBLE
	8.5												
	10												

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 4"x2"x1/8" profiles (AL 6063 T5), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L201

Louvers & Screens

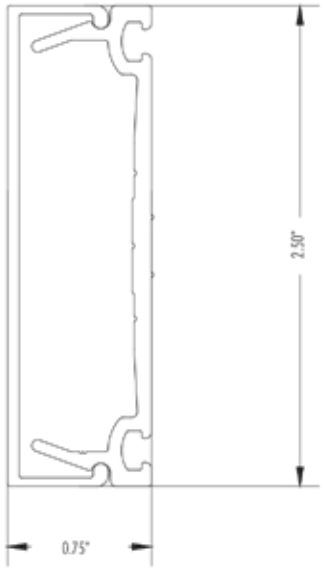
SPECIFICATIONS TABLE

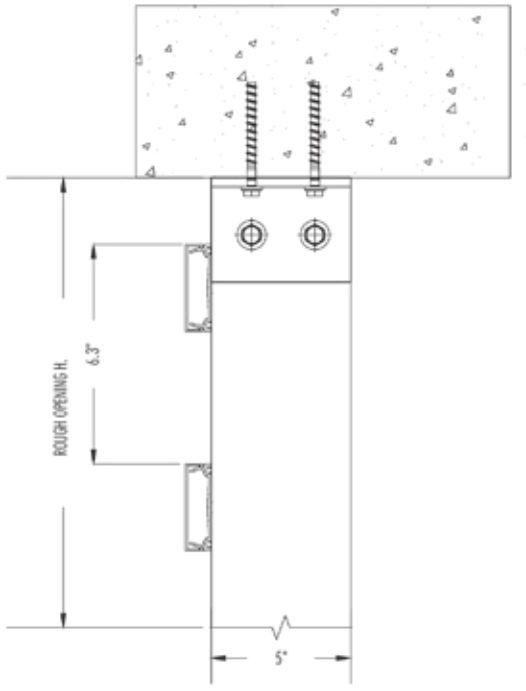
Spacing between centers of blades	6.3″. May vary depending on architectural intent.
Free spacing between blades	3.8″.
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.60 lb/ft.
System weight	1.04 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	53%. (Considering a spacing between centers of blades of 6.3″).

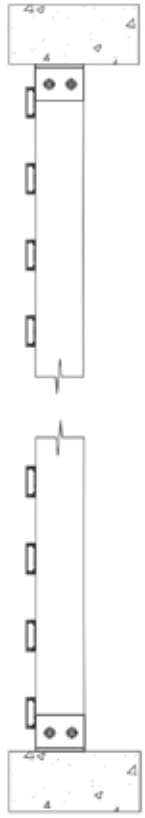
ENGINEERING ANALYSIS

L201		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE								
	5									
	6.5							NOT ADMISSIBLE		
	8.5									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L202

E|S Louvers & Screens

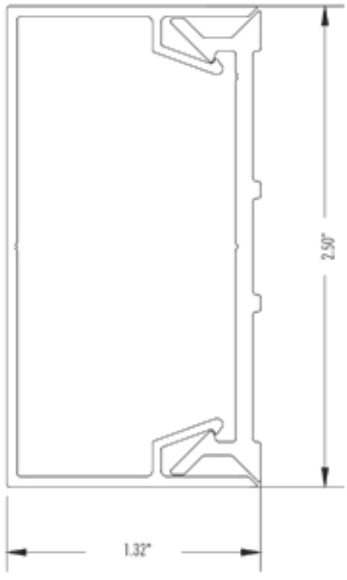
SPECIFICATIONS TABLE

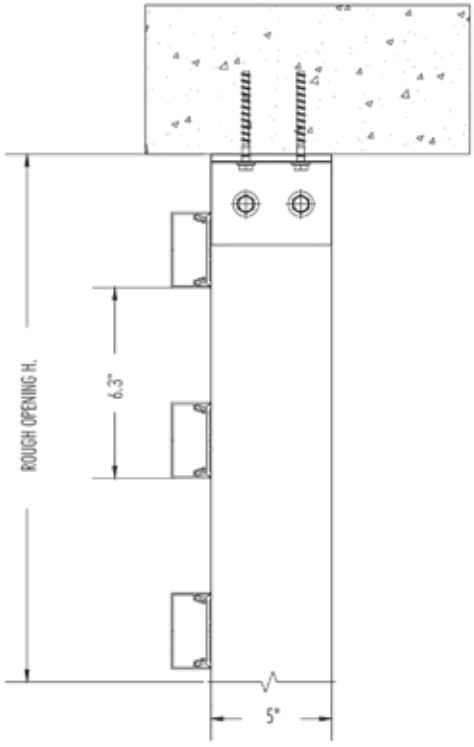
Spacing between centers of blades	6.3″. May vary depending on architectural intent.
Free spacing between blades	3.8″.
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.71 lb/ft.
System weight	1.3 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	53%. (Considering a spacing between centers of blades of 6.3″).

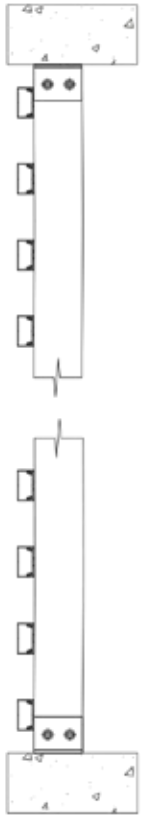
ENGINEERING ANALYSIS

L202		WIND LOAD - (PSF)									
		20	30	40	50	60	70	80	90	100	110
Spacing between mullions (ft)	3.5	ADMISSIBLE									
	5										
	6.5								NOT ADMISSIBLE		
	8.5										

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L203

E|S Louvers & Screens

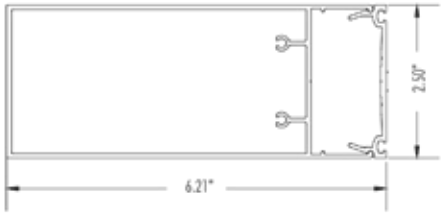
SPECIFICATIONS TABLE

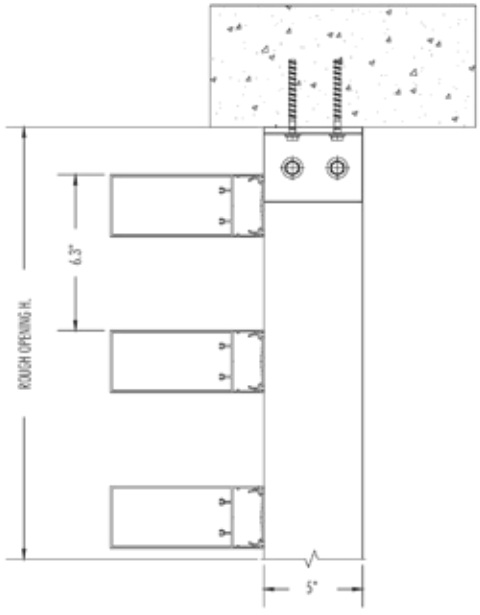
Spacing between centers of blades	6.3″. May vary depending on architectural intent.
Free spacing between blades	3.8″.
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.47 lb/ft.
System weight	3.31 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	53%. (Considering a spacing between centers of blades of 6.3″).

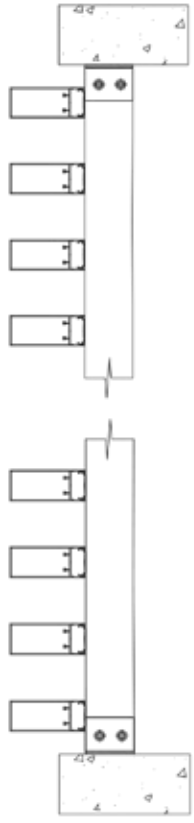
ENGINEERING ANALYSIS

L203		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3.5	ADMISSIBLE					NOT ADMISSIBLE		
	5								
	6.5								
	8.5								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L204

E|S Louvers & Screens

SPECIFICATIONS TABLE

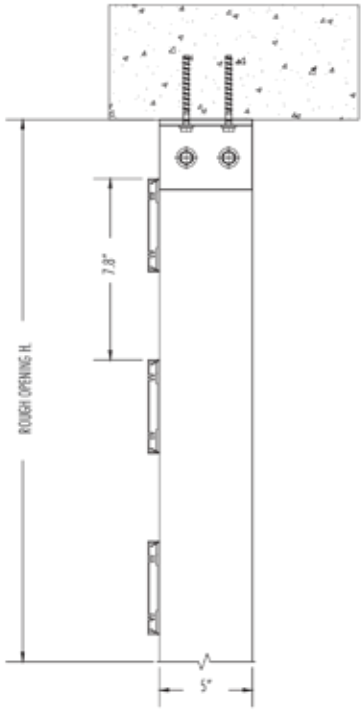
Spacing between centers of blades	7.8″. May vary depending on architectural intent.
Free spacing between blades	3.8″.
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.89 lb/ft.
System weight	1.2 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	44%. (Considering a spacing between centers of blades of 7.8″).

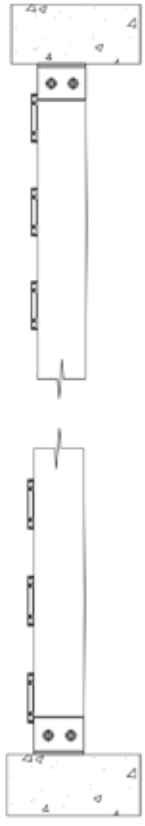
ENGINEERING ANALYSIS

L204		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3	ADMISSIBLE			NOT ADMISSIBLE				
	3.5								
	4								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L205

Louvers & Screens

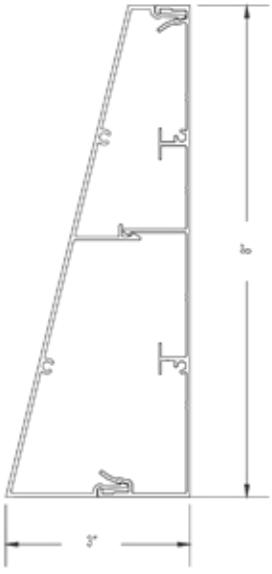
SPECIFICATIONS TABLE

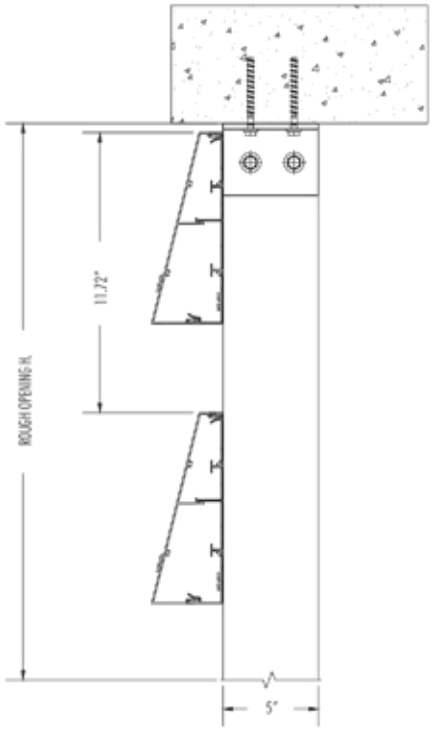
Spacing between centers of blades	11.72". May vary depending on architectural intent.
Free spacing between blades	3.72".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.92 lb/ft.
System weight	1.24 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	26%. (Considering a spacing between centers of blades of 11.72").

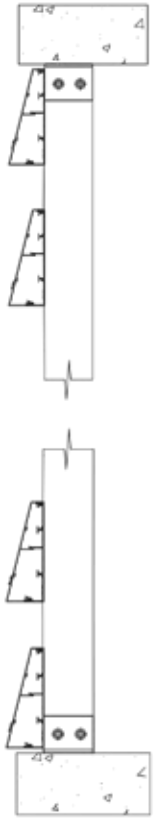
ENGINEERING ANALYSIS

L205		WIND LOAD - (PSF)									
		20	30	40	50	60	70	80	90	100	110
Spacing between mullions (ft)	3.5	ADMISSIBLE							NOT ADMISSIBLE		
	5										
	6.5										

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L206

E|S Louvers & Screens

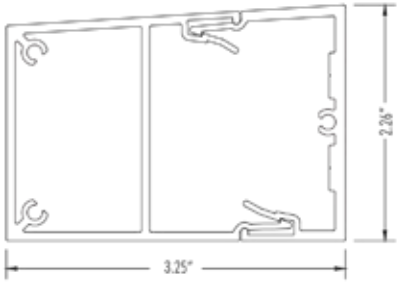
SPECIFICATIONS TABLE

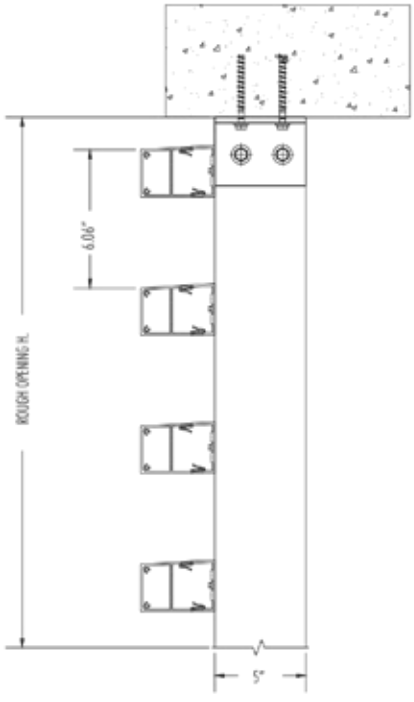
Spacing between centers of blades	6.06". May vary depending on architectural intent.
Free spacing between blades	3.8".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.97 lb/ft.
System weight	2.52 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	55%. (Considering a spacing between centers of blades of 6.06").

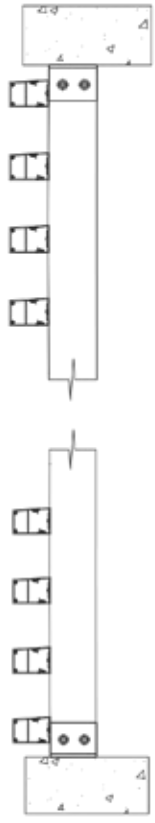
ENGINEERING ANALYSIS

L206		WIND LOAD - (PSF)									
		20	30	40	50	60	70	80	90	100	110
Spacing between mullions (ft)	3.5	ADMISSIBLE									
	5										
	6.5										
	8.5										

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L207

E|S Louvers & Screens

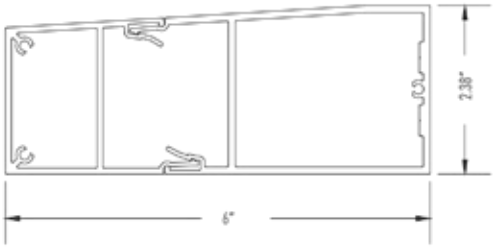
SPECIFICATIONS TABLE

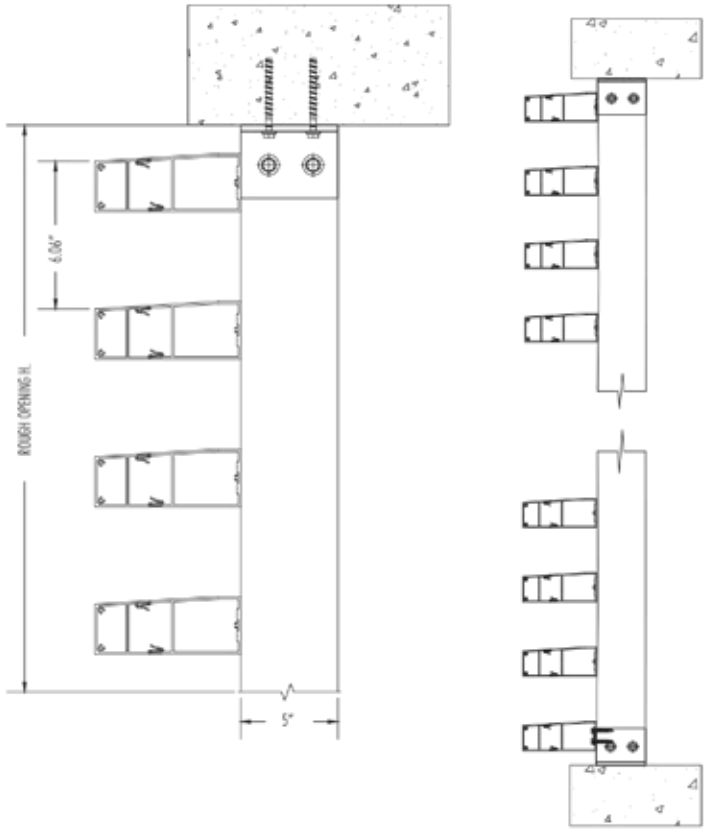
Spacing between centers of blades	6.06". May vary depending on architectural intent.
Free spacing between blades	3.69".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.51 lb/ft.
System weight	2.46 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	54%. (Considering a spacing between centers of blades of 6.06").

ENGINEERING ANALYSIS

L207		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE						NOT ADMISSIBLE		
	5									
	6.5									
	8.5									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.

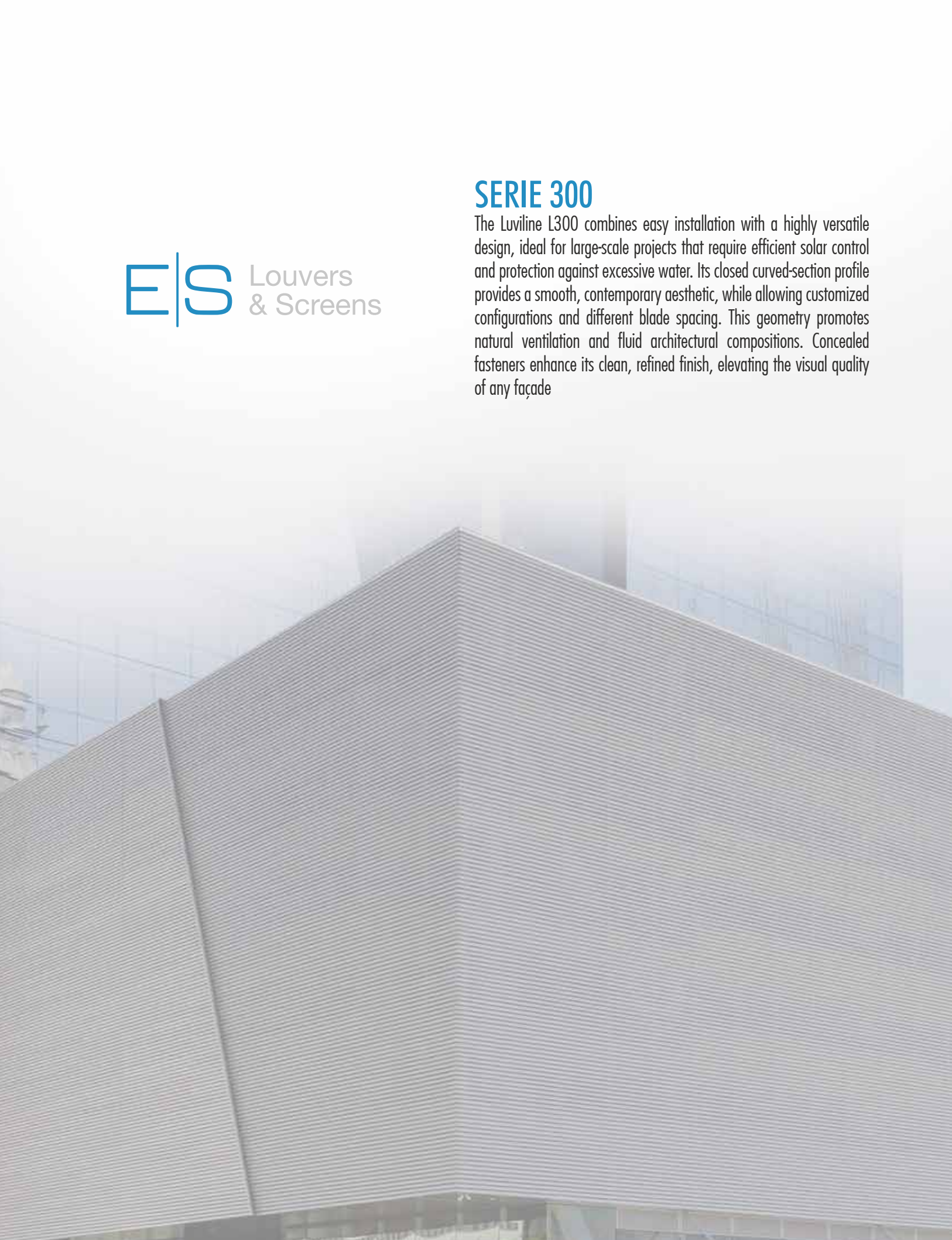




E|S Louvers & Screens

SERIE 300

The Luviline L300 combines easy installation with a highly versatile design, ideal for large-scale projects that require efficient solar control and protection against excessive water. Its closed curved-section profile provides a smooth, contemporary aesthetic, while allowing customized configurations and different blade spacing. This geometry promotes natural ventilation and fluid architectural compositions. Concealed fasteners enhance its clean, refined finish, elevating the visual quality of any façade



LUVILINE L300

E|S Louvers & Screens

SPECIFICATIONS TABLE

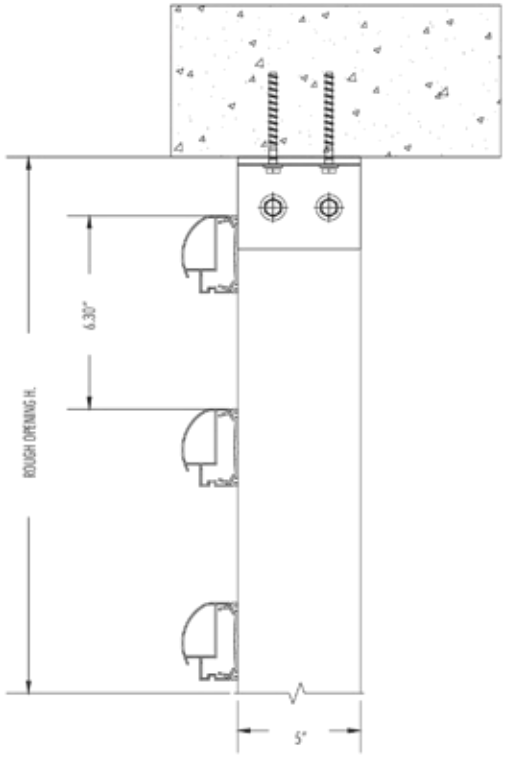
Spacing between centers of blades	6.3". May vary depending on architectural intent.
Free spacing between blades	3.8".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.45 lb/ft.
System weight	2.59 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	53%. (Considering a spacing between centers of blades of 6.3").

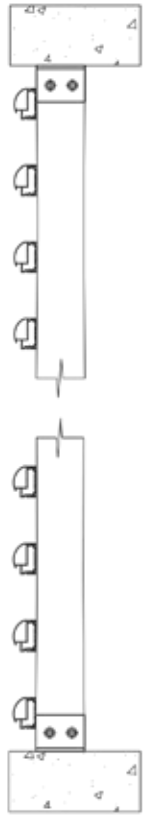
ENGINEERING ANALYSIS

L300		WIND LOAD - (PSF)									
		20	30	40	50	60	70	80	90	100	110
Spacing between mullions (ft)	3.5	ADMISSIBLE									
	5										
	6.5										NOT ADMISSIBLE
	8.5										

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L301

E|S Louvers & Screens

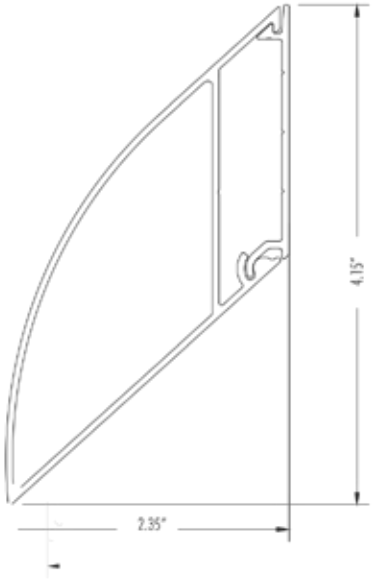
SPECIFICATIONS TABLE

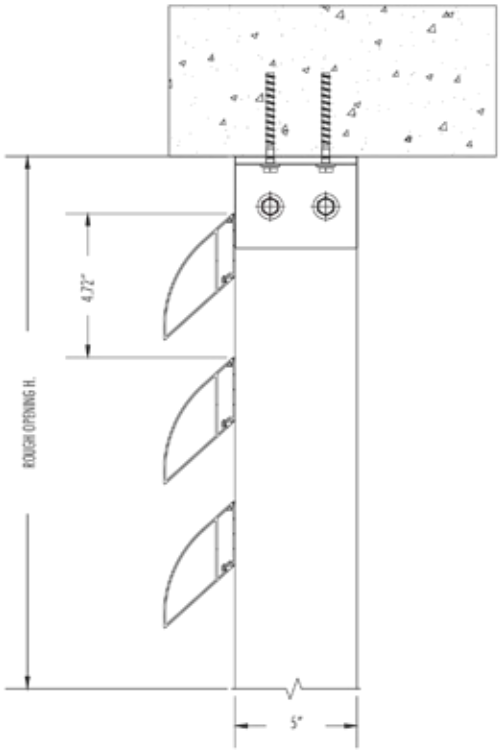
Spacing between centers of blades	4.72". May vary depending on architectural intent.
Free spacing between blades	2.65".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.67 lb/ft.
System weight	3.05 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	37%. (Considering a spacing between centers of blades of 4.72").

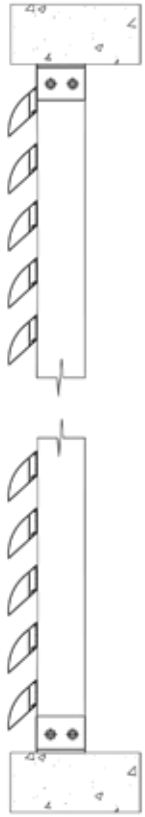
ENGINEERING ANALYSIS

L301		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE								
	5									
	6.5									
	8.5									NOT ADMISSIBLE

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







E|S Louvers & Screens

SERIE 400

The Luviline L400 is the ideal solution for projects demanding aerodynamic efficiency and controlled ventilation without compromising aesthetics. Its closed airfoil-type profile optimizes airflow and reduces wind resistance, delivering superior technical performance. Like the rest of the line, it allows customized configurations and varied blade spacing for unique and functional designs. Perfect for modern constructions that prioritize precision, style, and performance.



LUVILINE L400

E|S Louvers & Screens

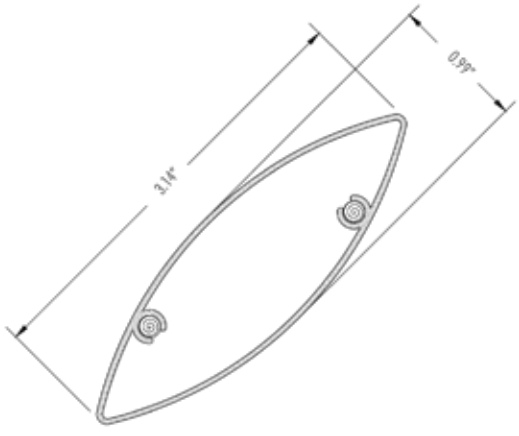
SPECIFICATIONS TABLE

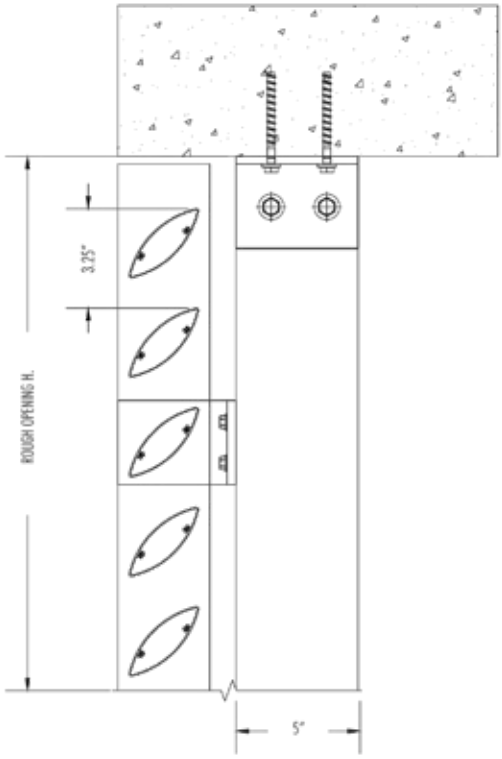
Spacing between centers of blades	3.25". May vary depending on architectural intent.
Free spacing between blades	0.99".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.37 lb/ft.
System weight	2.21 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	47%. (Considering a spacing between centers of blades of 3.25").

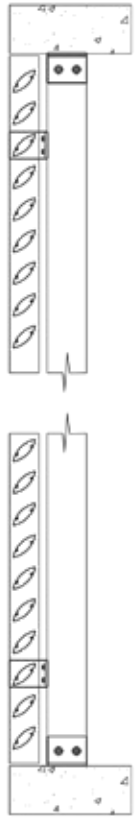
ENGINEERING ANALYSIS

L400		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE								
	5									
	6.5									NOT ADMISSIBLE
	8.5									
	10									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L401

E|S Louvers & Screens

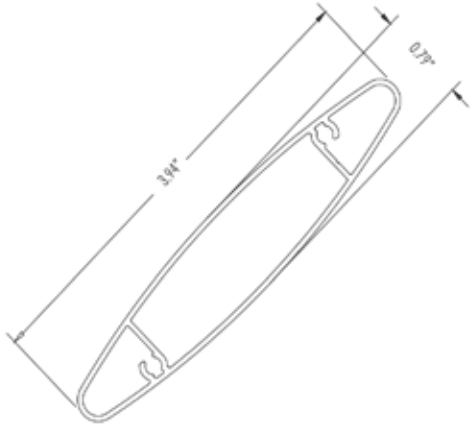
SPECIFICATIONS TABLE

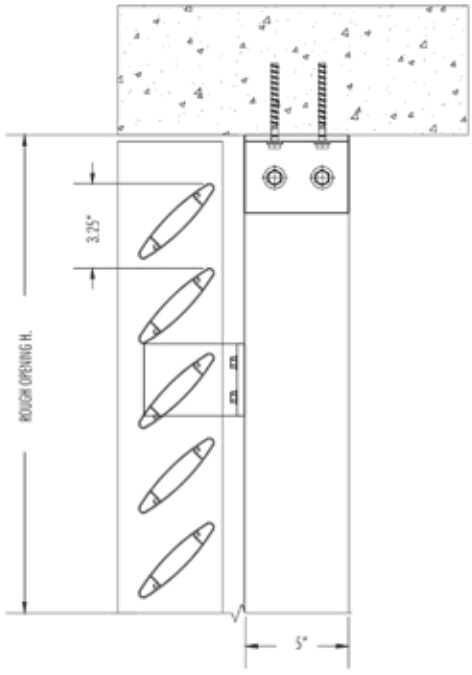
Spacing between centers of blades	3.25". May vary depending on architectural intent.
Free spacing between blades	0.99".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	0.53 lb/ft.
System weight	2.85 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	47%. (Considering a spacing between centers of blades of 3.25").

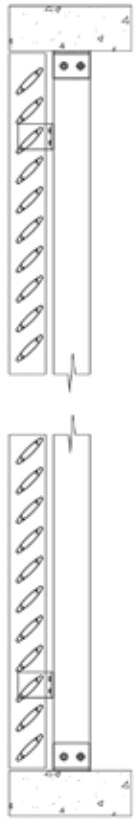
ENGINEERING ANALYSIS

L401		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE						NOT ADMISSIBLE		
	5									
	6.5									
	8.5									
	10									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L402

Louvers & Screens

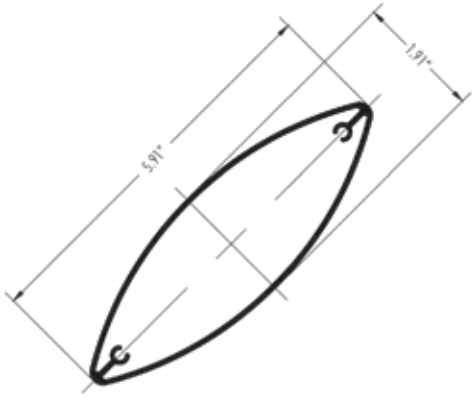
SPECIFICATIONS TABLE

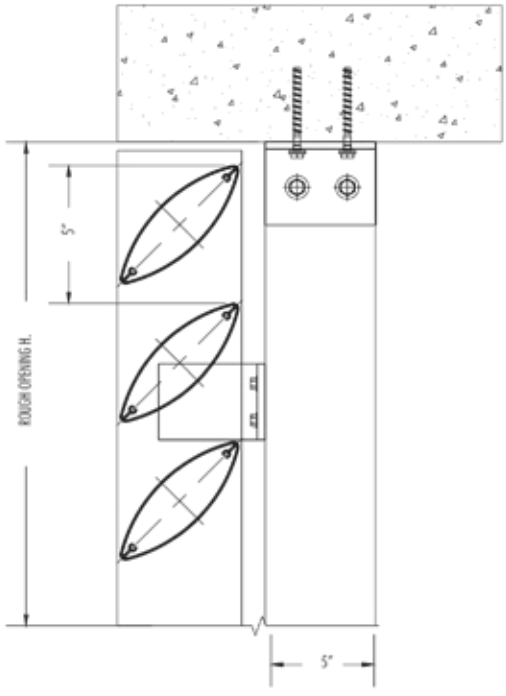
Spacing between centers of blades	5". May vary depending on architectural intent.
Free spacing between blades	2.23".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.26 lb/ft.
System weight	4.04 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	39%. (Considering a spacing between centers of blades of 5").

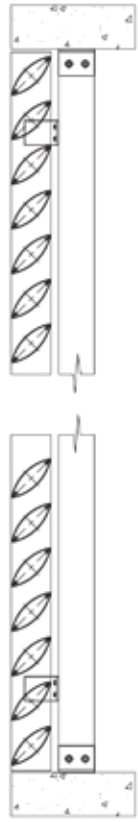
ENGINEERING ANALYSIS

L402		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE						NOT ADMISSIBLE		
	5									
	6.5									
	8.5									
	10									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L403

E|S Louvers & Screens

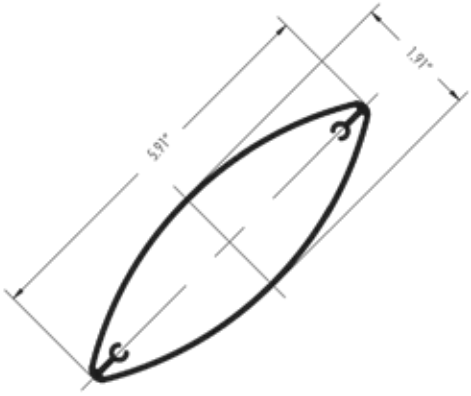
SPECIFICATIONS TABLE

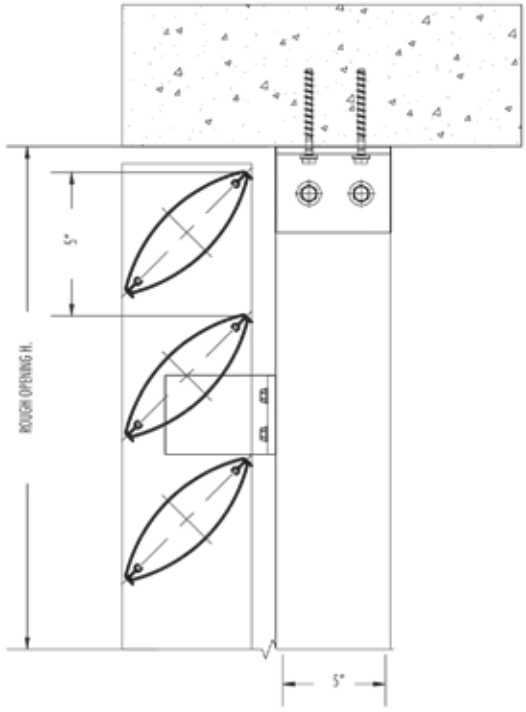
Spacing between centers of blades	5". May vary depending on architectural intent.
Free spacing between blades	2.23".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.30 lb/ft.
System weight	4.13 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	39%. (Considering a spacing between centers of blades of 5").

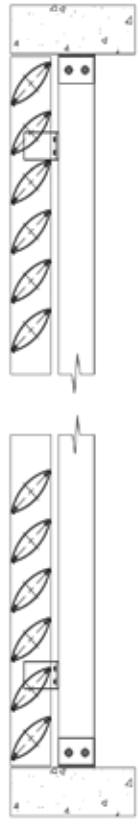
ENGINEERING ANALYSIS

L403		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE						NOT ADMISSIBLE		
	5									
	6.5									
	8.5									
	10									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L404

Louvers & Screens

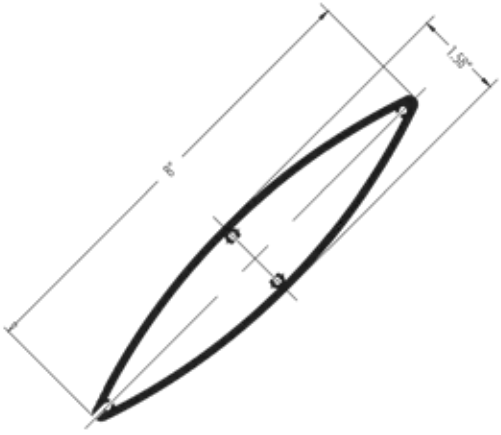
SPECIFICATIONS TABLE

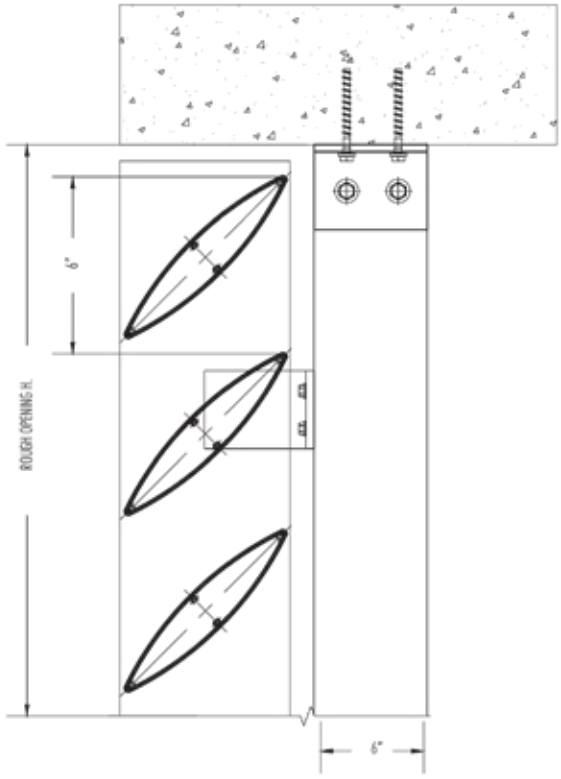
Spacing between centers of blades	6". May vary depending on architectural intent.
Free spacing between blades	3.24".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	2.39 lb/ft.
System weight	4.23 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	44%. (Considering a spacing between centers of blades of 6").

ENGINEERING ANALYSIS

L404		WIND LOAD - (PSF)								
		20	30	40	50	60	70	80	90	100
Spacing between mullions (ft)	3.5	ADMISSIBLE								
	5									
	6.5									NOT ADMISSIBLE
	8.5									

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 6"x2"x1/8" profiles (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If ther specifications or conditions are required, they must be evaluated by a Structural Engineer.







LUVILINE L405

Louvers & Screens

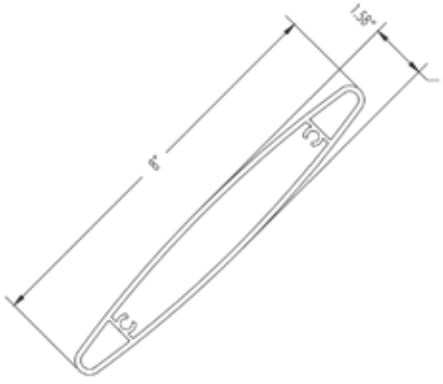
SPECIFICATIONS TABLE

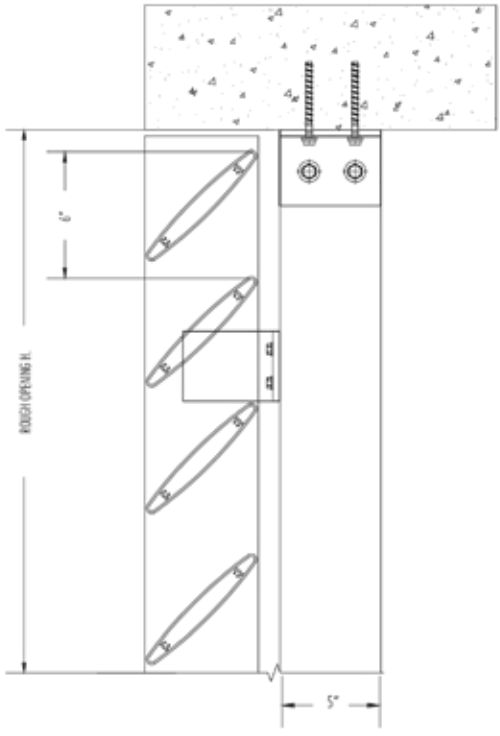
Spacing between centers of blades	5". May vary depending on architectural intent.
Free spacing between blades	2.91".
Spacing between mullions	3.5'.
Spacing between brackets	10.5'.
Blade weight	1.35 lb/ft.
System weight	4.13 lb/ft² . (Considering a spacing between centers of mullions of 3.5').
Open area	60%. (Considering a spacing between centers of blades of 5").

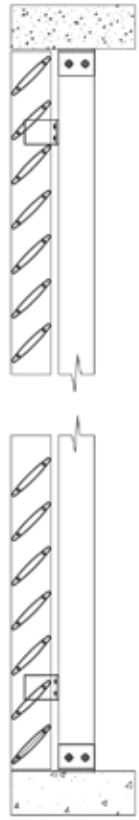
ENGINEERING ANALYSIS

L405		WIND LOAD - (PSF)							
		20	30	40	50	60	70	80	90
Spacing between mullions (ft)	3.5	ADMISSIBLE							NOT ADMISSIBLE
	5								
	6.5								
	8.5								
	10								

For this analysis, 10.5 ft vertical mullions were considered, manufactured with 5"x2"x1/8" (AL 6063 T6), and installation angles of 3"x3"x1/8" (AL 6061 T6). If other specifications or conditions are required, they must be evaluated by a Structural Engineer.







FINISHES

ES METALS standard colors are the following: Two coats: Primer and color coat:

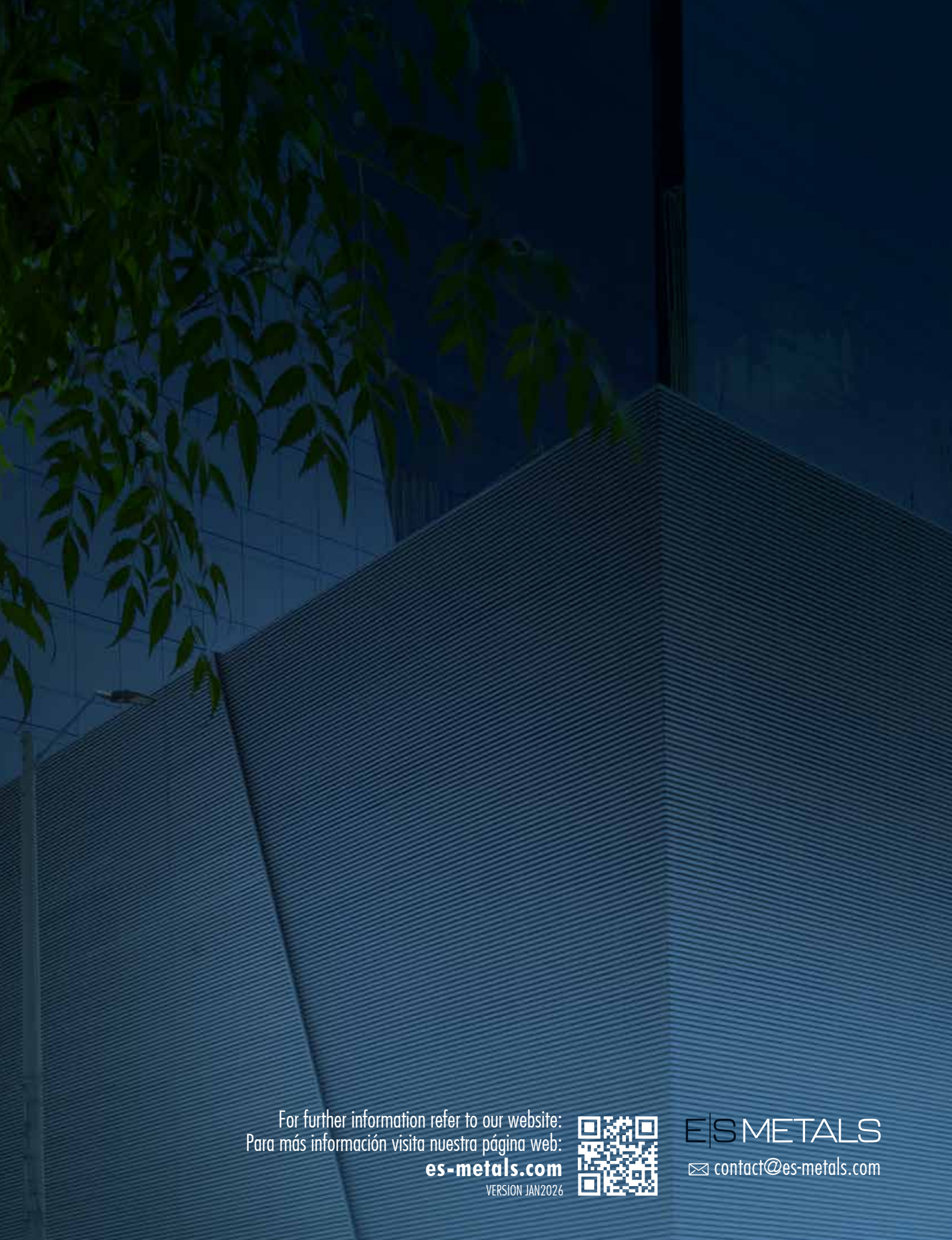
	Bone White	Black	Arcadia Silver	Silverstorm	Bermuda Bronze
AAMA2605	UC43350	UC40577	UC70123F	UC106685F	UC105262
AAMA2604	UC141202	UC130902	UC143459	UC139554	UC143010

Note: Contact us for more custom colors.

Printed samples are not representative for real size or color of the final product. Please request actual samples for specification purposes.

Finishes	Warranty (years)
• Natural anodized finish Class II/Class I.	3/5
• Electrostatic powder coating with chromic pretreatment.	3
• Electrostatic powder coating technologies AAMA 2603/2604/2605.	5/10/20
• Liquid coating technologies AAMA 2603/2604/2605.	5/10/20





For further information refer to our website:
Para más información visita nuestra página web:

es-metals.com

VERSION JAN2026

E|S METALS

contact@es-metals.com