

## EV630 HORIZONTAL LOUVER SCREEN EXTRUDED ALUMINUM

### APPLICATION

The Architecturally pleasing EV630 louver screen has a uniquely shaped 6" deep blade that is specifically designed to provide high rates of ventilation for parking garages and other structures that require high free area. The EV630 is available with either a mitered or boxed corner design and can also be supplied with a hinged door option.

### STANDARD CONSTRUCTION

#### BLADES

6063T6 extruded aluminum with .077" (2) nominal wall thickness, positioned at 36° angle and spaced approximately 4" (102) center to center.

#### SUPPORT

As required per wind load. Consult Ruskin.

#### FINISH

Mill.

#### APPROXIMATE SHIPPING WEIGHT

4 lbs per sq ft (20 kg per m<sup>2</sup>)

#### MAXIMUM FACTORY ASSEMBLY SIZE

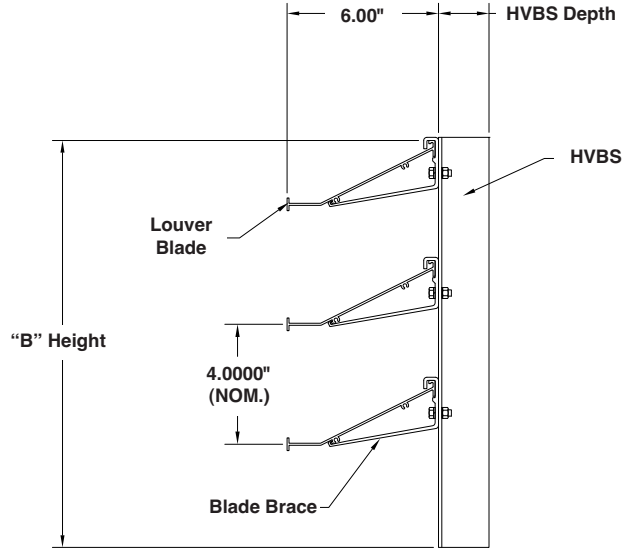
Shall be 64 sq. ft. (6m<sup>2</sup>) per section, not to exceed 190" w x 90" h (4826 x 2286) or 90" w x 190" h (2286 x 4826).

Screens larger than the maximum factory assembly size will require field assembly of smaller sections.

#### SUPPORTS

Louver screens may be provided with rear mounted blade supports that increase overall screen depth depending on screen size, assembly configuration or windload.

Consult Ruskin for additional information.



EV630

### FEATURES

The EV630 design features:

- Architecturally styled, hidden supports for attractive appearance.
- All aluminum construction for low maintenance and high resistance to corrosion.
- Blade spacing allows for high free area and added economy.

### VARIATIONS

Variations to the basic design of this screen are available at additional cost. They include:

- Mitered or box corners.
- Hinged access sections
- Selection of finishes: Prime coat, 50% PVDF (modified fluoropolymer), Epoxy, Pearledize, 70% PVDF, Clear and Color Anodized finishes. (Some variation in anodize color consistency is possible).

Consult Ruskin for other special requirements.



CERTIFICATE NUMBER AJA07/11923

### NOTES:

1. Dimensions in inches, parenthesis ( ) indicate millimeters.
2. Units furnished 1/4" (6) smaller than given opening dimensions.

TAG	QTY.	SIZE		FRAME	VARIATIONS
		A*-WIDE	B*-HIGH		
PROJECT ARCH./ENGR. REPRESENTATIVE				LOCATION CONTRACTOR DATE	

# SUGGESTED SPECIFICATION

Furnish and install louver screens as described in schedules. Louver screen components shall be factory assembled by the manufacturer. Sizes too large for shipping shall be built up by the contractor from factory assembled sections to provide overall sizes required. Design shall incorporate blade supports required to withstand a wind load of 20 lbs. per sq. ft. (96KPa) (equivalent of a 90 mph wind [145 KPH] – specifier may substitute any loading required) when attached to structural supports supplied by others.

Louver screens shall be architectural style with continuous appearing stationary blades – intermediate supports shall not interrupt blade appearance when viewed from outside of screen.

Screens shall be Ruskin Model EV630 extruded 6063T6 aluminum alloy construction as follows:

- Blades: .077" (2) wall thickness at 36° angle and spaced approximately 4" (102) center to center.
- Fasteners: Anchorage shall be concealed and not visible on the exterior face of the screen.
- Finish: Select finish specification from Ruskin Finishes Brochure.

# PERFORMANCE DATA

## FREE AREA GUIDE

Free Area Guide shows free area in ft<sup>2</sup> and m<sup>2</sup> for various sizes of EV630.

Width – Inches and Meters

	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
	0.30	0.46	0.61	0.76	0.91	1.07	1.22	1.37	1.52	1.68	1.83	1.98	2.13	2.29	2.44
12	0.43	0.69	0.95	1.20	1.46	1.72	1.98	2.24	2.50	2.76	3.02	3.28	3.54	3.80	4.06
0.30	0.04	0.06	0.09	0.11	0.14	0.16	0.18	0.21	0.23	0.26	0.28	0.30	0.33	0.35	0.38
18	0.77	1.24	1.70	2.17	2.64	3.11	3.58	4.04	4.51	4.98	5.45	5.91	6.38	6.85	7.32
0.46	0.07	0.12	0.16	0.20	0.25	0.29	0.33	0.38	0.42	0.46	0.51	0.55	0.59	0.64	0.68
24	1.04	1.68	2.31	2.95	3.58	4.22	4.85	5.48	6.12	6.75	7.39	8.02	8.66	9.29	9.93
0.61	0.10	0.16	0.22	0.27	0.33	0.39	0.45	0.51	0.57	0.63	0.69	0.75	0.81	0.86	0.92
30	1.39	2.23	3.07	3.92	4.76	5.60	6.44	7.29	8.13	8.97	9.81	10.66	11.50	12.34	13.19
0.76	0.13	0.21	0.29	0.36	0.44	0.52	0.60	0.68	0.76	0.83	0.91	0.99	1.07	1.15	1.23
36	1.73	2.78	3.83	4.88	5.93	6.99	8.04	9.09	10.14	11.19	12.24	13.29	14.34	15.39	16.45
0.91	0.16	0.26	0.36	0.45	0.55	0.65	0.75	0.85	0.94	1.04	1.14	1.24	1.33	1.43	1.53
42	2.07	3.33	4.59	5.85	7.11	8.37	9.63	10.89	12.15	13.41	14.67	15.93	17.19	18.45	19.71
1.07	0.08	0.13	0.18	0.23	0.28	0.33	0.38	0.43	0.48	0.53	0.58	0.63	0.68	0.73	0.78
48	2.35	3.77	5.20	6.63	8.05	9.48	10.90	12.33	13.76	15.18	16.61	18.04	19.46	20.89	22.31
1.22	0.22	0.35	0.48	0.62	0.75	0.88	1.01	1.15	1.28	1.41	1.54	1.68	1.81	1.94	2.08
54	2.69	4.32	5.96	7.59	9.23	10.86	12.50	14.13	15.77	17.40	19.04	20.67	22.31	23.94	25.58
1.37	0.25	0.40	0.55	0.71	0.86	1.01	1.16	1.31	1.47	1.62	1.77	1.92	2.07	2.23	2.38
60	3.03	4.88	6.72	8.56	10.41	12.25	14.09	15.93	17.78	19.62	21.46	23.31	25.15	26.99	28.84
1.52	0.28	0.45	0.62	0.80	0.97	1.14	1.31	1.48	1.65	1.82	2.00	2.17	2.34	2.51	2.68
66	3.38	5.43	7.48	9.53	11.58	13.63	15.68	17.74	19.79	21.84	23.89	25.94	27.99	30.04	32.10
1.68	0.31	0.50	0.70	0.89	1.08	1.27	1.46	1.65	1.84	2.03	2.22	2.41	2.60	2.79	2.98
72	3.65	5.87	8.09	10.31	12.52	14.74	16.96	19.18	21.40	23.61	25.83	28.05	30.27	32.49	34.70
1.83	0.34	0.55	0.75	0.96	1.16	1.37	1.58	1.78	1.99	2.20	2.40	2.61	2.81	3.02	3.23
78	3.99	6.42	8.85	11.27	13.70	16.13	18.55	20.98	23.41	25.83	28.26	30.69	33.11	35.54	37.96
1.98	0.37	0.60	0.82	1.05	1.27	1.50	1.73	1.95	2.18	2.40	2.63	2.85	3.08	3.31	3.53
84	4.34	6.97	9.61	12.24	14.88	17.51	20.15	22.78	25.42	28.05	30.69	33.32	35.96	38.59	41.22
2.13	0.40	0.65	0.89	1.14	1.38	1.63	1.87	2.12	2.36	2.61	2.85	3.10	3.34	3.59	3.83
90	4.68	7.52	10.37	13.21	16.05	18.90	21.74	24.58	27.43	30.27	33.11	35.96	38.80	41.64	44.49
2.29	0.44	0.70	0.96	1.23	1.49	1.76	2.02	2.29	2.55	2.81	3.08	3.34	3.61	3.87	4.14
96	4.95	7.96	10.97	13.98	16.99	20.00	23.01	26.02	29.03	32.04	35.05	38.06	41.07	44.08	47.09
2.44	0.46	0.74	1.02	1.30	1.58	1.86	2.14	2.42	2.70	2.98	3.26	3.54	3.82	4.10	4.38
102	5.30	8.52	11.73	14.95	18.17	21.39	24.61	27.83	31.04	34.26	37.48	40.70	43.92	47.14	50.35
2.59	0.49	0.79	1.09	1.39	1.69	1.99	2.29	2.59	2.89	3.19	3.49	3.79	4.08	4.38	4.68
108	5.64	9.07	12.49	15.92	19.35	22.77	26.20	29.63	33.05	36.48	39.91	43.33	46.76	50.19	53.61
2.74	0.52	0.84	1.16	1.48	1.80	2.12	2.44	2.76	3.07	3.39	3.71	4.03	4.35	4.67	4.99
114	5.98	9.62	13.25	16.89	20.52	24.16	27.79	31.43	35.06	38.70	42.33	45.97	49.60	53.24	56.87
2.90	0.56	0.89	1.23	1.57	1.91	2.25	2.58	2.92	3.26	3.60	3.94	4.28	4.61	4.95	5.29
120	6.26	10.06	13.86	17.66	21.46	25.27	29.07	32.87	36.67	40.47	44.28	48.08	51.88	55.68	59.48
3.05	0.58	0.94	1.29	1.64	2.00	2.35	2.70	3.06	3.41	3.76	4.12	4.47	4.82	5.18	5.53

Height – Inches and Meters

# TYPICAL INSTALLATION DETAILS

