

EV811 HORIZONTAL SCREEN

Extruded Aluminum

STANDARD CONSTRUCTION

BLADES

6063T5 extruded aluminum with .080" (2) nominal wall thickness, positioned at 45° angle and spaced approximately 5" (127) center to center.

SUPPORT

As required per wind load. Consult Ruskin.

FINISH

Mill.

APPROXIMATE SHIPPING WEIGHT

4 lbs. per sq. ft. (20 kg per m²).

MAXIMUM FACTORY ASSEMBLY SIZE

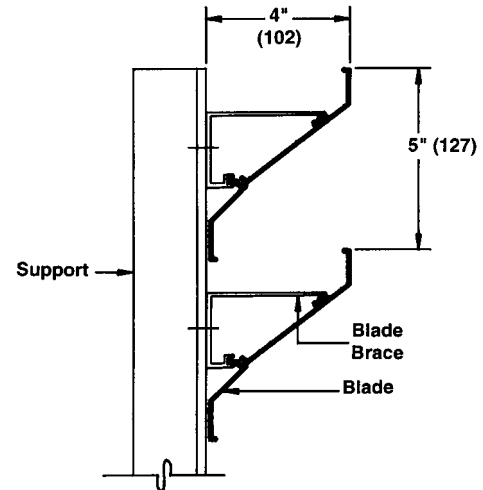
Shall be 64 sq. ft. (6m²) per section, not to exceed 190" wide and 90" high (4826 and 2286) or 90" wide and 190" high (2286 and 4826).

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

FEATURES

The EV811 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, added economy, or a sight proof design.



SUGGESTED SPECIFICATION

Furnish and install screens as described in schedules. 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.

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 EV811 extruded 6063T5 aluminum alloy construction as follows:

Blades: .080" (2) wall thickness at 45° angle and spaced approximately 5" (127) 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.

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: baked enamel (modified fluoropolymer), epoxy, Kynar, Pearledize, prime coat, clear and color anodize. (Some variation in anodize color consistency is possible).

Consult Ruskin for other special requirements.

Dimensions in parenthesis () indicate millimeters.
Units are furnished actual size.

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

PERFORMANCE DATA

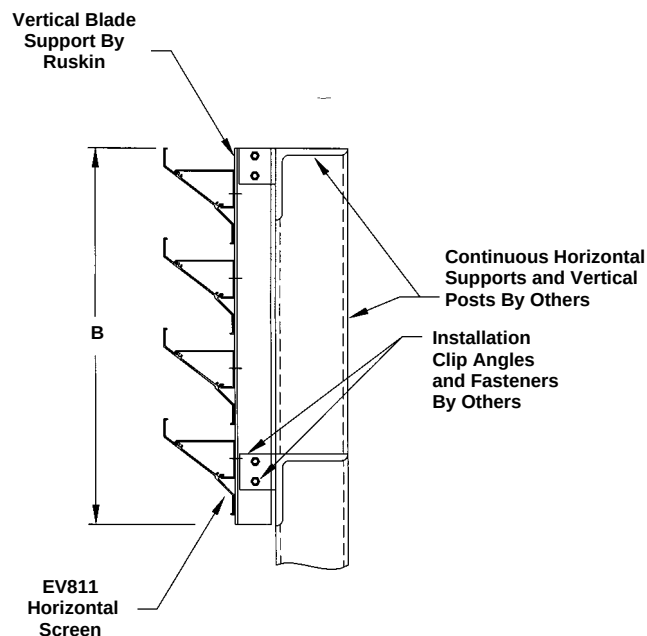
FREE AREA GUIDE

Free area guide shows free area in ft² and m² for various sizes of EV811.

Width in 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															
Height in Inches and (Meters)	12	.17	.27	.37	.47	.57	.67	.77	.87	.98	1.08	1.18	1.28	1.38	1.48	1.58														
	0.30	.02	.03	.03	.04	.05	.06	.07	.08	.09	.10	.11	.12	.13	.14	.15														
	18	.42	.67	.93	1.18	1.44	1.69	1.95	2.20	2.46	2.71	2.97	3.22	3.48	3.73	3.99														
	0.46	.04	.06	.09	.11	.13	.16	.18	.20	.23	.25	.28	.30	.32	.35	.37														
	24	.67	1.08	1.49	1.90	2.31	2.72	3.13	3.54	3.95	4.36	4.77	5.18	5.59	6.00	6.41														
	0.61	.06	.10	.14	.18	.21	.25	.29	.33	.37	.41	.44	.48	.52	.56	.60														
	30	.91	1.47	2.03	2.59	3.15	3.71	4.27	4.83	5.38	5.94	6.50	7.06	7.62	8.18	8.74														
	0.76	.08	.14	.19	.24	.29	.34	.40	.45	.50	.55	.60	.66	.71	.76	.81														
	36	1.12	1.80	2.49	3.17	3.85	4.54	5.22	5.90	6.59	7.27	7.96	8.64	9.32	10.01	10.69														
	0.91	.10	.17	.23	.29	.36	.42	.48	.55	.61	.68	.74	.80	.87	.93	.99														
	42	1.28	2.06	2.84	3.62	4.40	5.18	5.96	6.74	7.52	8.30	9.08	9.86	10.64	11.42	12.20														
	1.07	.12	.19	.26	.34	.41	.48	.55	.63	.70	.77	.84	.92	.99	1.06	1.13														
	48	1.53	2.46	3.40	4.33	5.27	6.20	7.10	8.07	9.00	9.94	10.87	11.81	12.74	13.68	14.61														
	1.22	.14	.23	.32	.40	.49	.58	.66	.75	.84	.92	1.01	1.10	1.18	1.27	1.36														
	54	1.78	2.87	3.96	5.05	6.14	7.23	8.32	9.41	10.50	11.59	12.67	13.76	14.85	15.94	17.03														
	1.37	.17	.27	.37	.47	.57	.67	.77	.87	.98	1.08	1.18	1.28	1.38	1.48	1.58														
	60	2.03	3.26	4.50	5.74	6.98	8.21	9.45	10.69	11.93	13.17	14.40	15.64	16.88	18.12	19.36														
	1.52	.19	.30	.42	.53	.65	.76	.88	.99	1.11	1.22	1.34	1.45	1.57	1.68	1.80														
	66	2.23	3.59	4.95	6.31	7.68	9.04	10.40	11.76	13.12	14.49	15.85	17.21	18.57	19.93	21.30														
	1.68	.21	.33	.46	.59	.71	.84	.97	1.09	1.22	1.35	1.47	1.60	1.73	1.85	1.98														
	72	2.39	3.85	5.31	6.77	8.23	9.69	11.15	12.61	14.07	15.53	16.99	18.44	19.90	21.36	22.82														
	1.83	.22	.36	.49	.63	.76	.90	1.04	1.17	1.31	1.44	1.58	1.71	1.85	1.98	2.12														
	78	2.64	4.25	5.87	7.48	9.10	10.71	12.32	13.94	15.55	17.16	18.78	20.39	22.00	23.62	25.23														
	1.98	.25	.39	.55	.69	.85	.99	1.14	1.30	1.44	1.59	1.74	1.89	2.04	2.19	2.34														
	84	2.89	4.66	6.43	8.20	9.97	11.74	13.51	15.27	17.04	18.81	20.58	22.35	24.12	25.88	27.65														
	2.13	.27	.43	.60	.76	.93	1.09	1.26	1.42	1.58	1.75	1.91	2.08	2.24	2.40	2.57														
	90	3.14	5.05	6.97	8.89	10.80	12.72	14.64	16.56	18.47	20.39	22.31	24.22	26.14	28.06	29.97														
	2.29	.29	.47	.65	.83	1.00	1.18	1.36	1.54	1.72	1.89	2.07	2.25	2.43	2.61	2.78														
	96	3.26	5.25	7.24	9.23	11.22	13.21	15.20	17.19	19.18	21.16	23.15	25.14	27.13	29.12	31.11														
	2.44	.30	.49	.67	.86	1.04	1.23	1.41	1.60	1.78	1.97	2.15	2.34	2.52	2.71	2.89														

TYPICAL INSTALLATION DETAIL



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Accessories at additional cost.