

445RBI

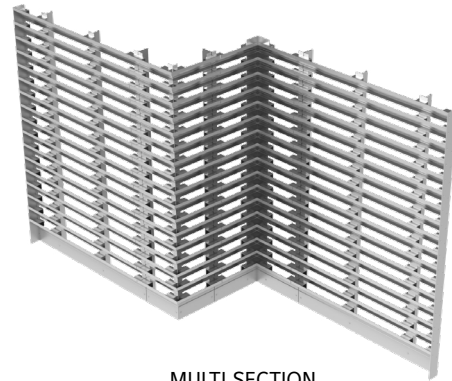
Horizontal Screen

Extruded Aluminum (Inverted Blade)

RELIABLE

STANDARD CONSTRUCTION

Blades	6063T6 extruded aluminum with .094 (2.4) nominal wall thickness, positioned at 45° angle and spaced approximately 5" (127) center to center.
Finish	Mill.
Approximate Shipping Weight	4 lbs. per sq. ft. (20 kg per m ²).
Maximum Factory Assembly Size	Shall be 64 sq. ft. (6m ²) per section, not to exceed 90"w x 120"h (2286 x 3048) or 120"w x 90"h (3048 x 2286). Screens larger than maximum factory assembly size will require field assembly of smaller sections.
Support	As required per wind load. Consult Reliable.



MULTI SECTION
Z-SHAPED

FEATURES

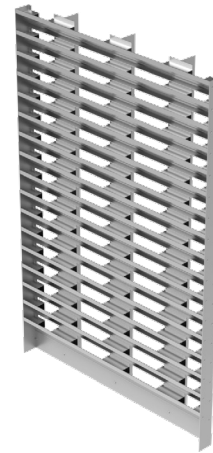
- Architecturally styled, hidden supports for attractive appearance.
- All aluminum construction for low maintenance and high resistance to corrosion.
- Blade spacing allows for high free area, added economy, or a sight proof design.

VARIATIONS

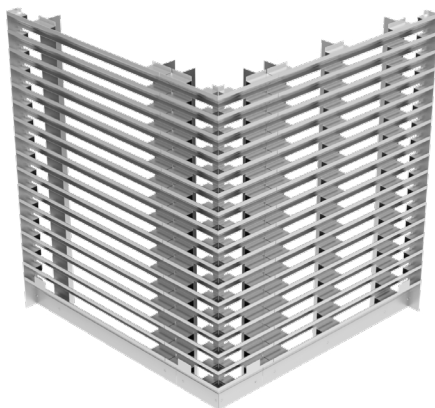
Variations to the basic design of this screen are available at additional cost. They include:

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

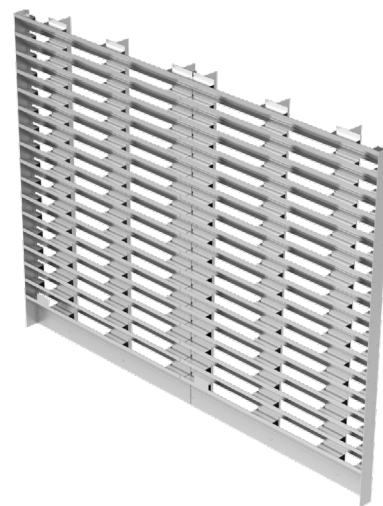
Consult Reliable for other special requirements.



SINGLE SECTION
LINEAR SHAPED



MULTI SECTION
MITERED CORNER-L-SHAPED



MULTI SECTION

Note:

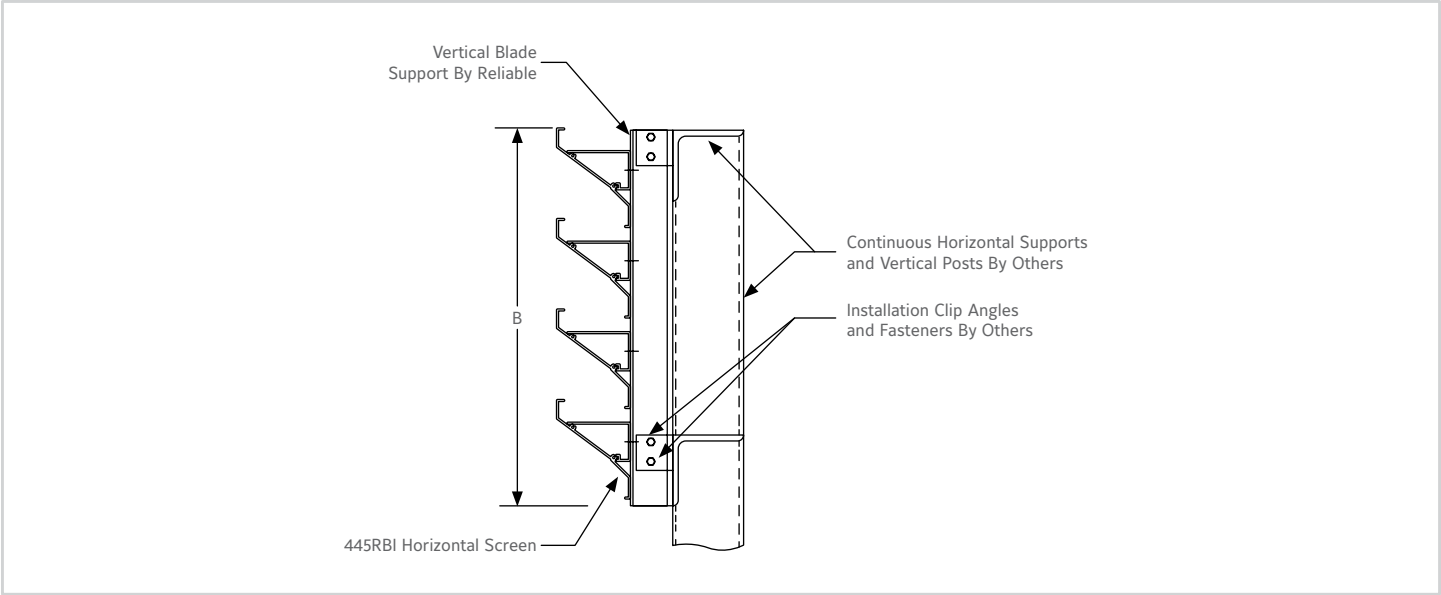
- Dimensions in parenthesis () indicate millimeters.
- Units are furnished actual size.

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 445RBI.

	Width – Inches and Meters															
		12 0.30	18 0.46	24 0.61	30 0.76	36 0.91	42 1.07	48 1.22	54 1.37	60 1.52	66 1.68	72 1.83	78 1.98	84 2.13	90 2.29	96 2.44
Height – Inches and Meters	12 0.30	0.17 0.02	0.27 0.03	0.37 0.03	0.47 0.04	0.57 0.05	0.67 0.06	0.77 0.07	0.87 0.09	0.98 0.09	1.08 0.10	1.18 0.11	1.28 0.12	1.38 0.13	1.48 0.15	1.58 0.15
	18 0.46	0.42 0.04	0.67 0.06	0.93 0.09	1.18 0.11	1.44 0.13	1.69 0.16	1.95 0.18	2.20 0.20	2.46 0.23	2.71 0.25	2.97 0.28	3.22 0.30	3.48 0.32	3.73 0.35	3.99 0.37
	24 0.61	0.67 0.06	1.08 0.10	1.49 0.14	1.90 0.18	2.31 0.21	2.72 0.25	3.13 0.29	3.54 0.33	3.95 0.37	4.36 0.41	4.77 0.44	5.18 0.48	5.59 0.52	6.00 0.56	6.41 0.60
	30 0.76	0.91 0.08	1.47 0.14	2.03 0.19	2.59 0.24	3.15 0.29	3.71 0.34	4.27 0.40	4.83 0.45	5.38 0.50	5.94 0.55	6.50 0.60	7.06 0.66	7.62 0.71	8.18 0.76	8.74 0.81
	36 0.91	1.12 0.10	1.80 0.17	2.49 0.23	3.17 0.29	3.85 0.36	4.54 0.42	5.22 0.48	5.90 0.55	6.59 0.61	7.27 0.68	7.96 0.74	8.64 0.80	9.32 0.87	10.01 0.93	10.69 0.99
	42 1.07	1.28 0.12	2.06 0.19	2.84 0.26	3.62 0.34	4.40 0.41	5.18 0.48	5.96 0.55	6.74 0.63	7.52 0.70	8.30 0.77	9.08 0.84	9.86 0.92	10.64 0.99	11.42 1.06	12.20 1.10
	48 1.22	1.53 0.14	2.46 0.23	3.40 0.32	4.33 0.40	5.27 0.49	6.20 0.58	7.10 0.66	8.07 0.75	9.00 0.84	9.94 0.92	10.87 1.01	11.81 1.10	12.74 1.18	13.68 1.27	14.61 1.36
	54 1.37	1.78 0.17	2.87 0.27	3.96 0.37	5.05 0.47	6.14 0.57	7.23 0.67	8.32 0.77	9.41 0.87	10.50 0.98	11.59 1.08	12.67 1.18	13.76 1.28	14.85 1.38	15.94 1.48	17.03 1.58
	60 1.52	2.03 0.19	3.26 0.30	4.50 0.42	5.74 0.53	6.98 0.65	8.21 0.76	9.45 0.88	10.69 0.99	11.93 1.11	13.17 1.22	14.40 1.34	15.64 1.45	16.88 1.57	18.12 1.68	19.36 1.80
	66 1.68	2.23 0.21	3.59 0.33	4.95 0.46	6.31 0.59	7.68 0.71	9.04 0.84	10.40 0.97	11.76 1.09	13.12 1.22	14.49 1.35	15.85 1.47	17.21 1.60	18.57 1.73	19.93 1.85	21.30 1.98
	72 1.83	2.39 0.22	3.85 0.36	5.31 0.49	6.77 0.63	8.23 0.76	9.69 0.90	11.15 1.04	12.61 1.17	14.07 1.31	15.53 1.44	16.99 1.58	18.44 1.71	19.90 1.85	21.36 1.98	22.82 2.12
	78 1.98	2.64 0.25	4.25 0.39	5.87 0.55	7.48 0.69	9.10 0.85	10.71 0.99	12.32 1.14	13.94 1.30	15.55 1.44	17.16 1.59	18.78 1.74	20.39 1.89	22.00 2.04	23.62 2.19	25.23 2.34
	84 2.13	2.89 0.27	4.66 0.43	6.43 0.60	8.20 0.76	9.97 0.93	11.74 1.09	13.51 1.26	15.27 1.42	17.04 1.58	18.81 1.75	20.58 1.91	22.35 2.08	24.12 2.24	25.88 2.40	27.65 2.57
	90 2.29	3.14 0.29	5.05 0.47	6.97 0.65	8.89 0.83	10.80 1.00	12.72 1.18	14.64 1.36	16.56 1.54	18.47 1.72	20.39 1.89	22.31 2.07	24.22 2.25	26.14 2.43	28.06 2.61	29.97 2.78
	96 2.44	3.26 0.38	5.25 0.61	7.24 0.83	9.23 1.06	11.22 1.29	13.21 1.51	15.20 1.74	17.19 1.97	19.18 2.19	21.16 2.42	23.15 2.65	25.14 2.88	27.13 3.10	29.12 3.33	31.11 2.89

TYPICAL INSTALLATION DETAIL



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 35 lbs. per sq. ft. (1.68KPa) – 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 Reliable Model 445RBI extruded 6063T6 aluminum alloy construction as follows:

Blades: .094" (2.4) 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 Reliable Finishes Brochure.

LINKS TO IMPORTANT DOCUMENTS

Document Title
Finishes and Color Guide
Limited Warranty Document



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