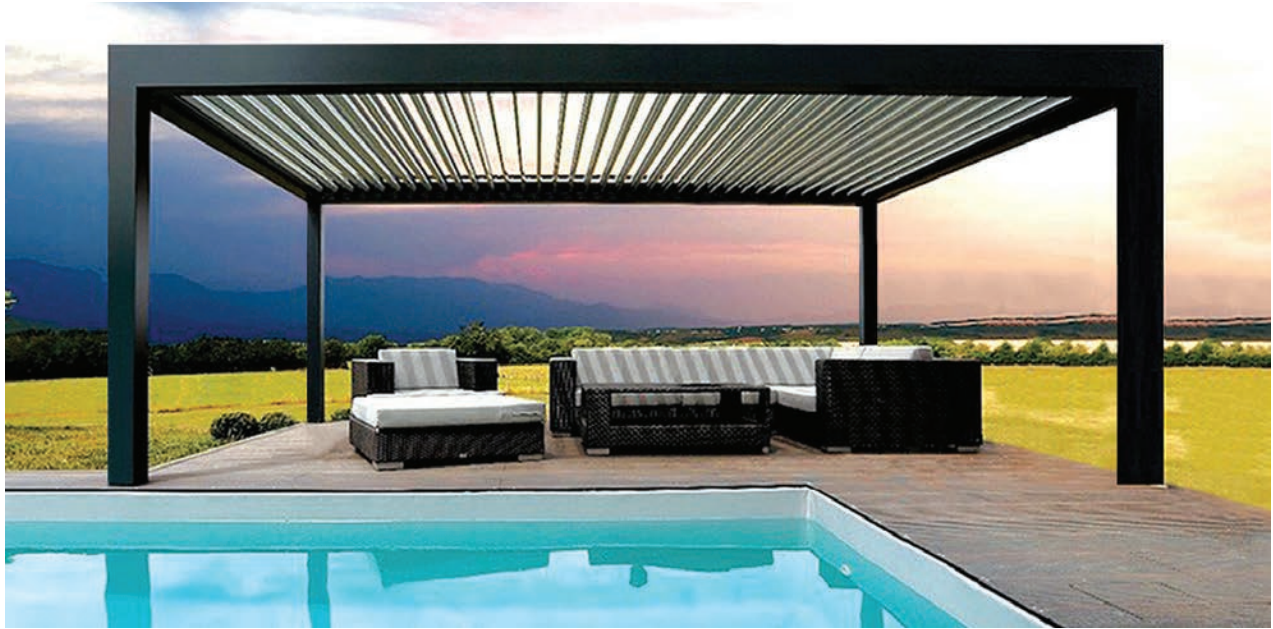


ADJUSTABLE LOUVER PERGOLA



Pergola Add-on Screens to Extend Your Season



RETRACTABLE SOLAR SCREEN

- Keeps the sun out!
- Can be motorized or manual crank
- Solar Shade screens block 75% to 90% of the sun's rays



RETRACTABLE VERTICAL SCREENS

- Keeps the bugs out!
- Can be motorized or manual crank
- Increase your level of privacy without compromising visibility



HORIZONTAL GLIDING SCREENS

- These screens glide side to side
- Retracts discreetly into the frame
- Keep your view, let the air in and keep the bugs out. large span openings up to 29' 6"



RETRACTABLE VINYL SCREENS

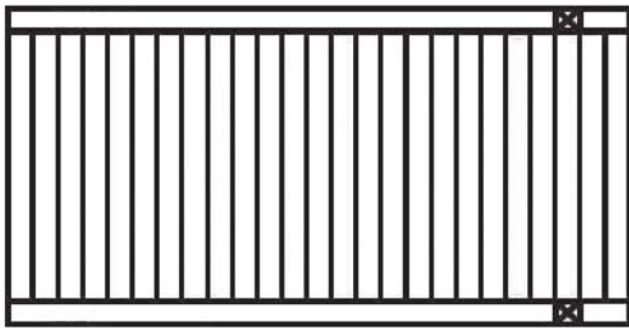
- Clear window construction: 20mm thick PVC
- Waterproof system when down
- Thermal barrier for heating & cooling outdoor spaces



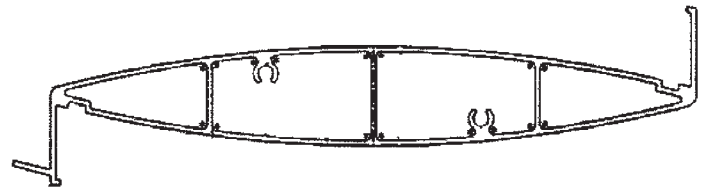
STORM SCREENS

- Roll down hurricane screen for high wind areas
- Can be manual or motorized
- Sizes up to 24' width
- Florida Certificate of Product Approval # FL31165

MOTORIZED LOUVER PERGOLA THE LOUVERS OPEN AND CLOSE



8" EXTRUDED ALUMINUM - DOUBLE WALL LOUVER



Rotating gear drives the louvers into the perfect position for ventilation, sun blocking or rainfall protection. Designed with extruded aluminum, the system is strong, lightweight and durable.



OUR PRODUCT SPECIALISTS
Can Help You
With Your Design

Design professionals, contractors, and property owners call us each day to discuss their project plans. When you call, an experienced product specialist will discuss your project and answer any questions you may have.

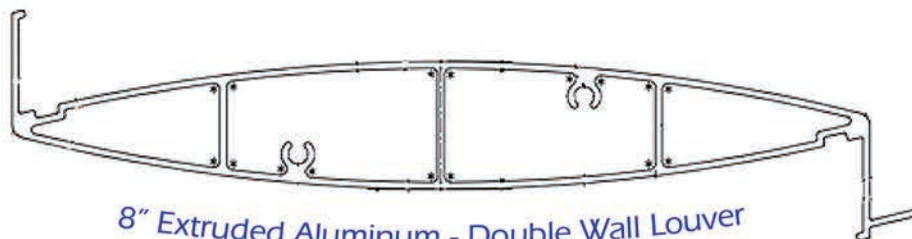
 **ShadeAndShutter.com**
Weather Protection and Sun Control Solutions
800.522.1599

Massachusetts
350 Kidds Hill Road
Hyannis, MA 02601
508.775.6057

Extruded Louver

Material:	ASTM B221 6063-T5 Aluminum Extrusion
Positive/Negative Wind Load:	tested as per TAS 202
	14' span +30/-17.5 psf
	12' span +30/-40 psf
	8' span +30/-85 psf
Class A Fire Resistance:	2012 IBC Section 1502.2 #2
Allowable Shear:	217 lbf
Allowable Moment:	482 lbf*ft
Modulus of Elasticity (E):	10,100 ksi
Moment of Inertia:	0.437 in ⁴
Coefficient of Deflection:	0.016 (Single span theoretical value 5/384=0.013)
Miami/Dade County NOA:	Pending
Ground Snow Loads:	10 psf 20 psf
Wind Speed and Exposure	115 MPH Exposure B
Maximum Ss=	25% Seismic Design Category B

Louver Spans for Commercial and Patio Structures								
Ground Snow Load (psf)	Roof Design Load (psf)	Wind Speed and Exposure Exposure B						
		110	115	130	140	150	160	170
10 LIVE	10	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	13'-5"	12'-11"
20 LIVE	20	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	13'-5"	12'-11"
25	21	13'-10"	13'-3"	12'-9"	12'-6"	12'-3"	12'-0"	11'-9"
30	25.2	12'-9"	12'-7"	12'-4"	12'-1"	11'-10"	11'-8"	11'-3"
35.7	30	12'-4"	12'-3"	11'-10"	11'-8"	11'-5"	11'-2"	10'-11"
43	36.1	11'-8"	11'-8"	11'-5"	11'-2"	10'-11"	10'-8"	10'-4"



8" Extruded Aluminum - Double Wall Louver

Material:	ASTM B221 6063-T6 Aluminum Extrusion
Positive/Negative Wind Load:	tested as per TAS 202 14' span +30/-17.5 psf 12' span +30/-40 psf 8' span +30/-85 psf
Class A Fire Resistance:	2012 IBC Section 1502.2 #2
Allowable Shear:	217 lbf
Allowable Moment:	482 lbf*ft
Modulus of Elasticity (E):	10,100 ksi
Moment of Inertia:	0.437 in ⁴
Coefficient of Deflection:	0.016 (Single span theoretical value $5/384=0.013$)
Miami/Dade County NOA:	Approved
Ground Snow Loads:	10 psf 20 psf
Wind Speed and Exposure:	115 MPH Exposure B
Maximum Ss=	25% Seismic Design Category B

Louver Spans for Commercial and Patio Structures								
Ground Snow Load (psf)	Roof Design Load (psf)	Wind Speed and Exposure Exposure B						
		110	115	130	140	150	160	170
10 LIVE	10	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	13'-5"	12'-11"
20 LIVE	20	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	13'-5"	12'-11"
25	21	13'-10"	13'-3"	12'-9"	12'-6"	12'-3"	12'-0"	11'-9"
30	25.2	12'-9"	12'-7"	12'-4"	12'-1"	11'-10"	11'-8"	11'-3"
35.7	30	12'-4"	12'-3"	11'-10"	11'-8"	11'-5"	11'-1"	10'-11"
43	36.1	11'-8"	11'-8"	11'-5"	11'-2"	10'-11"	10'-8"	10'-4"