



# EQUINOX<sup>®</sup>

LOUVERED ROOF



The Equinox Louvered Roof is manufactured with quality elements, precision engineering, and aesthetic options. Our patio system is strong and conforms to nearly all wind and snow load requirements. The louvers are neutrally versatile to integrate flawlessly into any architectural style, such as gable roofs, bay windows, doors, or angled roofs and walls.

## Equinox 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 <sup>4</sup>
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 S <sub>s</sub> =	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"

