

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 <sup>4</sup>
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 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'-1"	10'-11"
43	36.1	11'-8"	11'-8"	11'-5"	11'-2"	10'-11"	10'-8"	10'-4"