

SSS2-CURVED-16 x 24ga



PANEL SECTION PROPERTIES --- PER FOOT OF WIDTH

GAUGE	Fy (ksi)	WEIGHT (psf)	SHEAR Va (lbs / ft)	TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
				Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)	Ix (in4 / ft)	Sx (in3 / ft)	Ma (in.-k)
24	50	1.226	920	0.1223	0.0629	1.8825	0.0698	0.0667	1.9950

- Notes:
1. Fy is the yield strength of the base metal.
 2. Va is the allowable vertical shear of the panel.
 3. Ix is the effective moment of inertia of the panel per foot of width.
 4. Sx is the effective section modulus of the panel per foot of width.
 5. Ma is the allowable bending moment of the panel per foot of width.
 6. All properties are calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.

ASD - ALLOWABLE UNIFORM LOAD (psf)

SPANS	LOAD TYPE	SPAN (FEET)							
		2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5
1	LIVE	313	200	139	102	78	61	50	41
	NEGATIVE WIND	332	212	147	108	83	65	53	43
	DEFL. (L / 180)	313	200	139	102	78	61	50	41
	DEFL. (L / 240)	313	200	139	102	78	61	50	41
2	LIVE	302	200	141	105	81	64	52	43
	NEGATIVE WIND	288	190	134	99	76	60	49	40
	DEFL. (L / 180)	302	200	141	105	81	64	52	43
	DEFL. (L / 240)	302	200	141	105	81	64	52	43
3	LIVE	365	244	173	129	100	79	64	53
	NEGATIVE WIND	349	232	164	122	94	75	61	50
	DEFL. (L / 180)	365	244	173	129	100	79	64	53
	DEFL. (L / 240)	365	244	173	129	100	79	64	53
4	LIVE	345	229	163	121	93	74	60	50
	NEGATIVE WIND	329	218	154	115	88	70	57	47
	DEFL. (L / 180)	345	229	163	121	93	74	60	50
	DEFL. (L / 240)	345	229	163	121	93	74	60	50

- Notes:
1. Loads have NOT been increased by 1/3.
 2. Span lengths are assumed to be equal.
 3. Self weight of panel has not been deducted from tabular values.
 4. Both Wind and Live "Load Type" values have considered combined bending and shear.
 5. Effects of web crippling and fastener/support connection have not been considered..
 6. All values have been calculated in accordance with the 2007 North American Specification for the Design of Cold-Formed Steel Structural Members.
 7. Deflection values are capped at the Live load value.