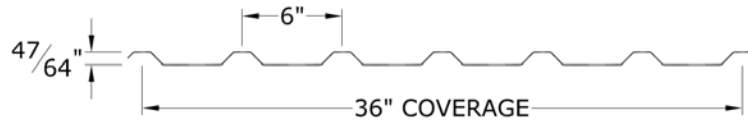




U-Panel

(Bare & Painted Galvalume)



SECTION PROPERTIES						TOP IN COMPRESSION			BOTTOM IN COMPRESSION		
GAUGE	FY (ksi)	WEIGHT (psf)	V _a (kip/ft.)	P _{a_end} (lbs/ft.)	P _{a_int} (lbs/ft.)	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a (kip-in./ft.)	I _x (in. ⁴ /ft.)	S _e (in. ³ /ft.)	M _a (kip-in./ft.)
26	80.0	0.85	0.9537	314.67	455.97	0.0180	0.0345	1.2410	0.0123	0.0294	1.0573

1. Section properties are calculated in accordance with the 2016 AISI North American Specification for the Design of Cold-Formed Steel Structural Members.
2. V_a is the allowable shear.
3. P_a is the allowable load for web crippling on end & interior supports.
4. I_x is for deflection determination.
5. S_e is for bending.
6. M_a is the allowable bending moment.
7. All values are for one foot of panel width.

Allowable Uniform Loads (PSF)

		Span in Feet															
Span Type	Load Type	1.50	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00
Single	Positive Wind	367	206	132	91	67	51	40	33	27	22	19	16	14	12	11	10
	Negative Wind	313	176	112	78	57	44	34	28	23	19	16	14	12	11	9	8
	Live	367	206	132	91	67	51	40	33	27	22	19	16	14	12	11	10
	Deflection (L/180)	466	196	100	58	36	24	17	12	9	7	5	4	3	3	2	2
	Deflection (L/240)	349	147	75	43	27	18	12	9	7	5	4	3	2	2	1	1
2 Span	Positive Wind	299	171	110	77	57	43	34	28	23	19	16	14	12	10	9	8
	Negative Wind	345	199	129	90	66	51	40	32	27	22	19	16	14	12	11	10
	Live	299	171	110	77	57	43	34	28	23	19	16	14	12	10	9	8
	Deflection (L/180)	500	398	204	118	74	49	35	25	19	14	11	9	7	6	5	4
	Deflection (L/240)	500	299	153	88	55	37	26	19	14	11	8	6	5	4	3	3
3 Span	Positive Wind	367	212	137	96	71	54	43	35	28	24	20	17	15	13	12	10
	Negative Wind	421	245	160	112	82	63	50	41	33	28	24	21	18	16	14	12
	Live	367	212	137	96	71	54	43	35	28	24	20	17	15	13	12	10
	Deflection (L/180)	500	312	159	92	58	39	27	19	15	11	9	7	5	4	4	3
	Deflection (L/240)	500	234	119	69	43	29	20	14	11	8	6	5	4	3	3	2
4 Span	Positive Wind	345	198	128	90	66	50	40	32	27	22	19	16	14	12	11	10
	Negative Wind	396	230	149	105	77	59	47	38	31	26	22	19	17	15	13	11
	Live	345	198	128	90	66	50	40	32	27	22	19	16	14	12	11	10
	Deflection (L/180)	500	331	169	98	61	41	29	21	15	12	9	7	6	5	4	3
	Deflection (L/240)	500	248	127	73	46	31	21	15	11	9	7	5	4	3	3	2

Notes:

1. Allowable uniform loads are based upon equal span lengths.
2. Live is the allowable live or snow load.
3. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
4. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
5. The weight of the panel has **NOT** been deducted from the allowable loads.
6. Positive Wind, Negative Wind, and Live Load values are limited to combined shear & bending using Eq. H2-1 of the AISI Specification.
7. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
8. Web crippling values are determined using a ratio of the uniform load **actually** supported by the top flanges of the section.
9. Load Tables are limited to a maximum allowable load of 500 psf.