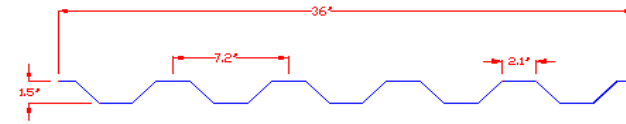


26GA 7.2 METAL DECK GRADE 80

SECTION PROPERTIES				TOP IN COMPRESSION (NEG)			BOTTOM IN COMPRESSION (POS)			
Fy	E	Weight	V _a	I _x	S _x	M _a	I _x	S _x	M _a	
(KSI)	(KSI)	(PSF)	(kip/ft.)	(in. ⁴ /ft.)	(in. ³ /ft.)	(kip-in./ft.)	(in. ⁴ /ft.)	(in. ³ /ft.)	(kip-in./ft.)	
80	29000	1.420	1.624	0.0947	0.106	6	0.0947	0.105	5.04	

1. V_a is the allowable shear.
2. I_x is for deflection determination.
3. M_a is the allowable bending moment
4. all values are for one foot of panel with.
3. S_x is for bending.



Thickness=0.0180"

ALLOWABLE UNIFORM LOADS (PSF)

		Span In Feet														
Span Type	Load Type	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Single	Positive Wind	373	274	210	166	134	111	93	80	69	60	53	47	41	37	34
	Negative Wind	444	327	250	198	160	132	111	95	82	71	63	55	49	44	40
	Live	373	274	210	166	134	111	93	80	69	60	53	47	41	37	34
	Deflection(L/180)	301	190	127	89	65	49	38	30	24	19	16	13	11	9	8
	Deflection(L/240)	226	142	95	67	49	37	28	22	18	14	12	10	8	7	6
2 Span	Positive Wind	667	490	375	296	240	198	167	142	122	107	94	83	74	66	60
	Negative Wind	794	583	446	353	286	236	198	169	146	127	112	99	88	79	71
	Live	667	490	375	296	240	198	167	142	122	107	94	83	74	66	60
	Deflection(L/180)	727	458	307	215	157	118	91	71	57	47	38	32	27	23	20
	Deflection(L/240)	545	343	230	161	118	88	68	54	43	35	29	24	20	17	15
3 Span	Positive Wind	467	343	263	207	168	139	117	99	86	75	66	58	52	47	42
	Negative Wind	556	408	313	247	200	165	139	118	102	89	78	69	62	55	50
	Live	467	343	263	207	168	139	117	99	86	75	66	58	52	47	42
	Deflection(L/180)	569	358	240	169	123	92	71	56	45	36	30	25	21	18	15
	Deflection(L/240)	427	269	180	126	92	69	53	42	34	27	22	19	16	13	12
4 Span	Positive Wind	436	320	245	194	157	130	109	93	80	70	61	54	48	43	39
	Negative Wind	519	381	292	231	187	154	130	111	95	83	73	65	58	52	47
	Live	436	320	245	194	157	130	109	93	80	70	61	54	48	43	39
	Deflection(L/180)	604	380	255	179	130	98	75	59	48	39	32	27	22	19	16
	Deflection(L/240)	453	285	191	134	98	73	57	45	36	29	24	20	17	14	12

Note:

1. Allowable uniform loads are based upon equal span lengths.
2. Positive Wind is wind pressure and is NOT increased by 33 1/3%
3. Negative Wind is wind suction or uplift and is NOT increased by 33 1/3%
4. Live is the allowable live or snow load.
5. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
6. Deflection (L/240) is the allowable load that limits the panel's deflection to L/240 while under positive or live load.
7. The weight of the panel has NOT been deducted from the allowable loads.