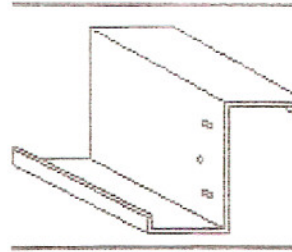


## DISCOUNT METAL PANELS, INC.

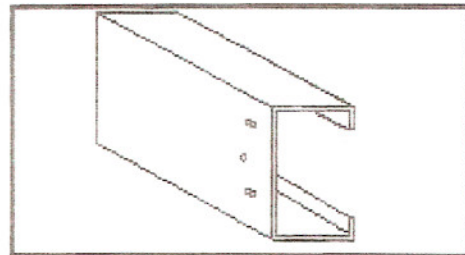
PO Box 420  
3485 Swetzer Road Loomis, CA 95650  
(916)652-7627 Fax(916)652-7629

Discount Metal Panels, Inc. designs and manufactures its own products onsite.



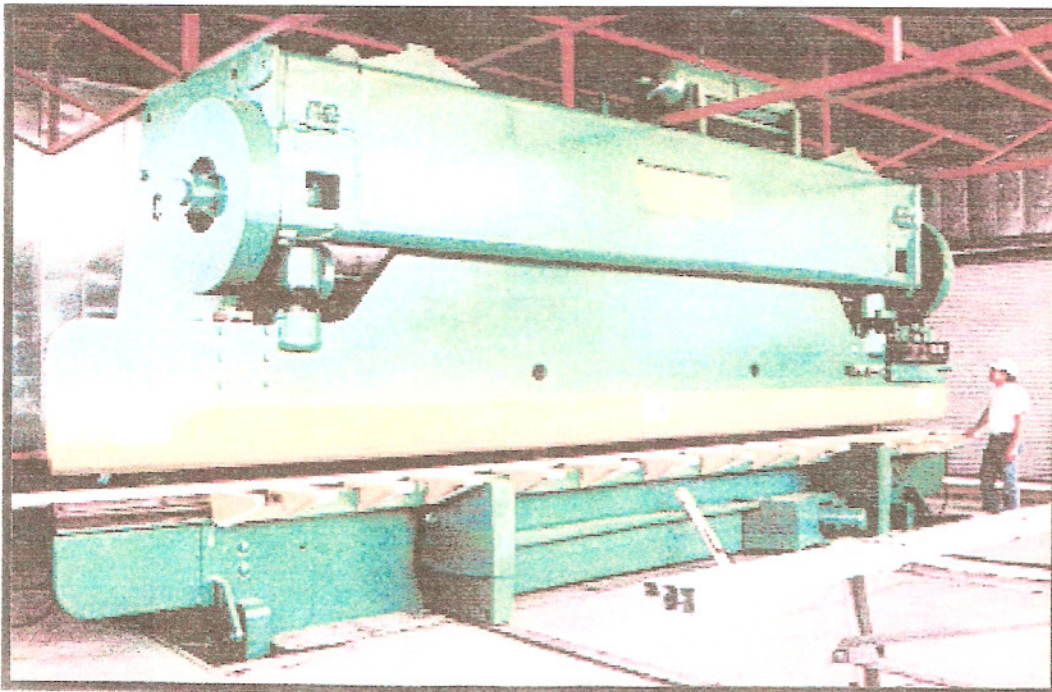
Z-PURLIN

DMP Inc. has been in the sheet metal and architectural roofing fabrication business since 1975. Our expansion into structural components has provided our clients with the variety needed in the metal construction trade.



C-PURLIN

Structural Z-Purlins, C-Purlins and Custom Shapes are available in a variety of sizes and gauges in lengths up to 30'.



Discount Metal Panels, Inc. 30', 450 Ton Press Brake

STRUCTURAL METAL

# STANDARD HI TENSILE CEE AND ZEE SECTIONS



## STANDARD WEB

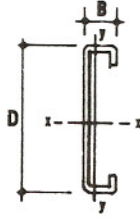
Size	Gage	t	Wt. per Foot	Properties of Full Section														Column Factor	R
				Beam Strength	Effective $S_x$	Area	C OR Z			C			Z			Z	Q		
				F = 30 ksi			Axis x-x	Axis y-y	Axis y-y	Axis $x_2-x_2$									
D	B	In.	Lb.	In. <sup>3</sup>	In. <sup>2</sup>	$I_x$	$S_x$	$r_x$	$I_y$	$S_y$	$r_y$	x	$I_y$	$S_y$	$r_y$	r min.	F = 30 ksi	In.	
15.	4.0	10	.135	11.25	13.80	3.24	103.	13.8	5.65	5.94	1.95	1.35	.954	8.49	2.16	1.62	1.12	.639	7/32
		12	.105	8.75	10.47	2.52	80.7	10.8	5.66	4.62	1.51	1.35	.935	6.58	1.67	1.62	1.12	.586	7/32
12.	3.5	10	.135	9.39	9.33	2.70	56.0	9.33	4.56	4.01	1.55	1.22	.910	5.92	1.73	1.48	1.00	.709	7/32
		12	.105	7.31	7.31	2.10	43.8	7.31	4.57	3.12	1.20	1.22	.891	4.60	1.33	1.48	1.00	.652	7/32
		14	.075	5.23	4.12	1.50	31.5	5.25	4.58	2.23	.849	1.22	.871	3.28	.946	1.48	1.00	.556	7/32
10.	3.5	10	.135	8.44	7.27	2.43	36.3	7.27	3.87	3.80	1.52	1.25	1.00	5.92	1.73	1.56	1.01	.779	7/32
		12	.105	6.56	5.70	1.89	28.5	5.70	3.88	2.96	1.18	1.25	.984	4.60	1.33	1.56	1.01	.719	7/32
		14	.075	4.69	3.90	1.35	20.5	4.10	3.90	2.12	.834	1.25	.964	3.28	.946	1.56	1.01	.615	7/32
8.	3.0	10	.135	7.03	4.86	2.02	19.5	4.86	3.10	2.42	1.17	1.09	.928	3.92	1.34	1.39	.878	.852	7/32
		12	.105	5.47	3.82	1.57	15.3	3.82	3.12	1.89	.906	1.10	.909	3.05	1.03	1.39	.879	.786	7/32
		14	.075	3.91	2.74	1.12	11.0	2.76	3.13	1.36	.643	1.10	.890	2.17	.734	1.39	.879	.708	7/32
		16	.060	3.13	2.08	0.90	8.88	2.22	3.14	1.08	.511	1.10	.878	1.73	.583	1.39	.878	.622	7/32
6.	2.5	12	.105	4.38	2.30	1.26	6.90	2.30	2.34	1.11	.666	.938	.839	1.89	.770	1.22	.743	.878	7/32
		14	.075	3.13	1.67	0.90	5.01	1.67	2.36	.797	.474	.941	.820	1.35	.547	1.22	.744	.797	7/32
		16	.060	2.50	1.34	0.72	4.04	1.35	2.37	.638	.377	.941	.808	1.07	.435	1.22	.743	.741	7/32
4.	2.0	14	.075	2.34	.832	0.68	1.66	.832	1.57	.405	.326	.775	.758	.756	.385	1.06	.600	.920	7/32
		16	.060	1.88	.674	0.54	1.35	.674	1.58	.325	.260	.776	.748	.603	.306	1.06	.599	.865	7/32

NOMINAL DIMENSIONS		ALLOWABLE UNIFORM LOAD IN LB/LINEAL FOOT SPAN IN FEET												
D & B	GA	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'
15 x 4	10	4774	3581	2760	1917	1408	1078	852	690	570	479	408	352	307
	12	2237	1678	1342	1118	959	818	646	524	433	369	310	267	233
12 x 3½	10	5183	2916	1866	1296	952	729	576	467	386	324	276	238	207
	12	2828	2121	1462	1015	746	571	451	366	302	254	216	187	162
	14	1023	767	614	512	438	383	324	206	217	182	155	134	117
10 x 3½	10	4039	2272	1454	1010	742	568	449	364	300	252	215	186	162
	12	3167	1781	1140	792	582	445	352	285	236	198	169	145	127
	14	1243	932	746	542	398	305	241	195	161	135	115	100	87
8 x 3	10	2700	1519	972	675	496	380	300	243	201	169	144	124	108
	12	2122	1194	764	531	390	298	238	191	158	133	113	97	85
	14	1522	856	548	381	280	214	169	137	113	95	81	70	61
	16	805	604	416	289	212	163	128	104	86	72	62	53	46
6 x 2½	12	1278	719	460	319	235	180	142	115	95	80	68	59	51
	14	928	522	334	232	170	131	103	84	69	58	49	43	37
	16	744	419	268	186	137	105	83	67	55	47	40	34	30
4 x 2	14	462	260	166	116	85	65	51	42	34	29	25	21	19
	16	374	211	135	94	69	53	42	34	28	23	20	17	15

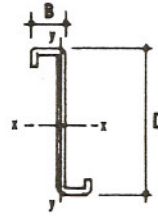
### NOTES:

1. Section properties have been determined in accordance with A.I.S.I. specifications, 1968 edition.
2. Uniform load tables are based on simple spans.
3. Members are fabricated from steel with 50,000 PSI minimum yield.
4. Tables assume full lateral support, see section 3.3 and 5.2 of A.I.S.I. for bracing requirements.

# DEEP WEB HI TENSILE CEE AND ZEE SECTIONS



## DEEP WEB



Size		Gage	t	Wt. per Foot	Beam Strength	Properties of Full Section														Column Factor	R
					Effective $S_x$ F = 30 ksi	Area	C OR Z Axis x-x			C Axis y-y			Z Axis y-y			Axis $x_2-x_2$	C OR Z Q				
D	B		In.	Lb.	In. <sup>3</sup>	In. <sup>2</sup>	$I_x$ In. <sup>4</sup>	$S_x$ In. <sup>3</sup>	$r_x$ In.	$I_y$ In. <sup>4</sup>	$S_y$ In. <sup>3</sup>	$r_y$ In.	x In.	$I_y$ In. <sup>4</sup>	$S_y$ In. <sup>3</sup>	$r_y$ In.	r min. In.	F = 30 ksi			
In.	In.																			In.	
17.	3.0	10	.135	11.25	14.20	3.24	120.	14.2	6.10	2.99	1.250	.960	.605	3.92	1.34	1.10	.821	.559	7/32		
16.	3.5	10	.135	11.25	14.00	3.24	112.	14.0	5.88	4.33	1.590	1.16	.769	5.92	1.73	1.35	.974	.599	7/32		
		12	.105	8.75	9.21	2.52	87.5	10.9	5.90	3.37	1.230	1.16	.751	4.60	1.33	1.35	.975	.548	7/32		
14.	2.5	10	.135	9.39	9.73	2.70	68.1	9.73	5.02	1.82	.927	.820	.541	2.42	.995	.947	.699	.615	7/32		
		12	.105	7.31	7.61	2.10	53.3	7.61	5.04	1.42	.718	.822	.524	1.89	.770	.948	.701	.555	7/32		
		14	.075	5.23	3.09	1.50	38.2	5.46	5.05	1.02	.510	.823	.507	1.35	.547	.948	.702	.493	7/32		
12.	2.5	10	.135	8.44	7.75	2.43	46.5	7.75	4.38	1.75	.917	.848	.594	2.42	.995	.998	.716	.677	7/32		
		12	.105	6.56	6.07	1.89	36.4	6.07	4.39	1.37	.710	.850	.576	1.89	.770	.999	.718	.613	7/32		
10.	2.0	10	.135	7.03	5.30	2.02	26.5	5.30	3.62	.963	.644	.690	.504	1.35	.697	.816	.583	.735	7/32		
		12	.105	5.47	4.16	1.57	20.8	4.16	3.63	.757	.500	.693	.487	1.05	.541	.818	.586	.663	7/32		
		14	.075	3.91	3.00	1.12	15.0	3.00	3.65	.545	.356	.696	.470	.756	.385	.820	.588	.585	7/32		
8.	1.5	10	.135	5.63	3.30	1.62	13.2	3.30	2.85	.448	.411	.526	.410	.637	.445	.627	.447	.815	7/32		
		12	.105	4.38	2.60	1.26	10.4	2.60	2.87	.355	.321	.531	.394	.502	.347	.632	.450	.733	7/32		
		14	.075	3.13	1.88	0.90	7.51	1.88	2.89	.258	.230	.536	.378	.363	.248	.635	.454	.641	7/32		
		16	.060	2.50	1.51	0.72	6.04	1.51	2.90	.208	.184	.537	.369	.290	.198	.635	.455	.588	7/32		
5.	1.5	12	.105	3.28	1.30	.944	3.24	1.30	1.85	.306	.309	.570	.508	.502	.347	.729	.475	.924	7/32		
		14	.075	2.34	.946	.675	2.37	.946	1.87	.223	.222	.575	.492	.363	.248	.733	.477	.829	7/32		
		16	.060	1.88	.765	.540	1.91	.765	1.88	.180	.177	.578	.483	.290	.198	.734	.478	.767	7/32		

NOMINAL DIMENSIONS		ALLOWABLE UNIFORM LOAD IN LB/LINEAL FOOT SPAN IN FEET													
D & B	GA	6'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	
17 x 3	10	4188	3141	2513	1972	1449	1109	877	710	587	493	420	362	316	
16 x 3½	10	4462	3347	2677	1944	1429	1094	864	700	579	486	414	357	311	
	12	2091	1568	1255	1046	896	720	569	461	381	320	273	235	205	
14 x 2½	10	5133	3041	1946	1351	993	760	601	487	402	338	288	248	216	
	12	2404	1803	1443	1057	777	595	470	381	315	264	225	194	169	
	14	873	655	524	436	374	327	291	262	226	190	162	139	121	
12 x 2½	10	4306	2422	1500	1076	791	606	478	388	320	269	229	198	172	
	12	2828	1897	1214	843	619	474	375	304	251	211	180	155	135	
10 x 2	10	2944	1656	1060	736	541	414	327	265	219	184	157	135	118	
	12	2311	1300	832	578	425	325	257	208	172	144	123	106	92	
	14	1243	932	600	417	306	234	185	150	124	104	89	77	67	
8 x 1½	10	1833	1031	660	458	337	258	204	165	136	115	98	84	73	
	12	1444	813	520	361	265	203	161	130	107	90	77	66	58	
	14	1044	588	376	261	192	147	116	94	78	65	56	48	42	
	16	805	472	302	210	154	118	93	76	62	52	45	39	34	
5 x 1½	12	722	406	260	181	133	102	80	65	54	45	39	33	29	
	14	526	296	189	131	97	74	58	47	39	33	28	24	21	
	16	425	239	153	106	78	60	47	38	32	27	23	20	17	

### NOTES:

1. Section properties have been determined in accordance with A.I.S.I. specifications, 1968 edition.
2. Uniform load tables are based on simple spans.
3. Members are fabricated from steel with 50,000 PSI minimum yield.
4. Tables assume full lateral support, see section 3.3 and 5.2 of A.I.S.I. for bracing requirements.