



Capital Reversed is designed for roofing or siding applications. With its 3" deep corrugations provides aesthetic and strength which makes it a wise choice for institutional and industrial buildings. It is designed to withstand large loads at wide spans which make it very economical by saving on structural supports.

AVAILABLE MATERIALS*

Mill finish Galvanized Steel
Gauges: 22 (.032"),
20 (.038"),
18 (.049").

Mill finish Galvalume Plus Steel
Gauge: 22 (.032").

Pre-painted Galvanized Steel
Gauge: 22 (.032").

*For other gauges, colours and finishes, contact our offices.

SECTION PROPERTIES (Per foot of width)									
Base Steel Thickness (in.)	Coated Steel Thickness (G90) (in.)	Coated Weight (psf)	Sec. Modulus		Deflection Moment of Inertia (in. ⁴)	Specified Web Crippling Data			
			Midspan (in. ³)	Support (in. ³)		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
0.030	0.0315	2.16	0.447	0.436	0.841	144	36.1	273	46.5
0.036	0.0375	2.58	0.564	0.559	1.02	216	54.0	409	69.5
0.048	0.0495	3.42	0.799	0.769	1.36	404	101	766	130

(IMPERIAL)

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (PSF)										
SPAN LENGTH (ft)		1-SPAN			2-SPAN			3-SPAN		
		BASE STEEL THICKNESS (inches)			BASE STEEL THICKNESS (inches)			BASE STEEL THICKNESS (inches)		
		0.030	0.036	0.048	0.030	0.036	0.048	0.030	0.036	0.048
6.0	S	164	207	293	160	205	282	200	256	352
	D	255	308	411	611	739	987	481	582	777
6.5	S	140	176	249	136	175	240	170	218	300
	D	200	242	323	481	581	776	379	458	611
7.0	S	120	152	215	117	151	207	147	188	259
	D	160	194	259	385	465	621	303	366	489
7.5	S	105	132	187	102	131	180	128	164	225
	D	130	158	211	313	378	505	246	298	398
8.0	S	92	116	165	90	115	159	112	144	198
	D	107	130	173	258	312	416	203	245	328
8.5	S	82	103	146	80	102	140	99	128	176
	D	90	108	145	215	260	347	169	205	273
9.0	S	73	92	130	71	91	125	89	114	157
	D	75	91	122	181	219	292	143	172	230
9.5	S	65	82	117	64	82	112	80	102	141
	D	64	78	104	154	186	249	121	147	196
10.0	S	59	74	105	58	74	101	72	92	127
	D	55	67	89	132	160	213	104	126	168
10.5	S	54	68	96	52	67	92	65	84	115
	D	48	57	77	114	138	184	90	109	145
11.0	S	49	62	87	48	61	84	59	76	105
	D	41	50	67	99	120	160	78	94	126
11.5	S	45	56	80	43	56	77	54	70	96
	D	36	44	58	87	105	140	68	83	110
12.0	S	41	52	73	40	51	70	50	64	88
	D	32	38	51	76	92	123	60	73	97
12.5	S	38	48	67	37	47	65	46	59	81
	D	28	34	45	68	82	109	53	64	86
13.0	S	35	44	62	34	44	60	43	55	75
	D	25	30	40	60	73	97	47	57	76
13.5	S	32	41	58	32	40	56	39	51	70
	D	22	27	36	54	65	87	42	51	68
14.0	S	30	38	54	29	38	52	37	47	65
	D	20	24	32	48	58	78	38	46	61

Notes:

- 1 Based on ASTM A 653 Grade 33 structural steel.
- 2 Values in row "S" are based on strength.
- 3 Values in row "D" are based on deflection of 1/240th span.
- 4 Web crippling not included in strength calculations. See Example.

Limit States Design principles were used in accordance with CSA Standard S136-07