



SECTION PROPERTIES (Per foot of width)										
IMPERIAL	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	Support		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
				(in. ³)	(in. ³)					
	0.030	0.0315	1.61	0.190	0.195	0.174	174	43.5	305	51.9
	0.036	0.0375	1.93	0.231	0.242	0.218	258	64.5	456	77.6
	0.048	0.0495	2.56	0.314	0.319	0.291	477	119	853	145
	0.060	0.0615	3.20	0.394	0.394	0.362	765	191	1377	234

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	0.060	0.030	0.036	0.048	0.060	0.030	0.036	0.048	0.060	
3.0	S	278	339	460	578	285	355	468	578	357	444	585	723	
	D	421	529	705	877	1010	1269	1691	2105	796	1000	1332	1658	
3.5	S	204	249	338	425	210	261	344	425	262	326	430	531	
	D	265	333	444	552	636	799	1065	1326	501	630	839	1044	
4.0	S	157	191	259	325	161	200	263	325	201	249	329	407	
	D	178	223	297	370	426	536	713	888	336	422	562	699	
4.5	S	124	151	204	257	127	158	208	257	159	197	260	321	
	D	125	157	209	260	299	376	501	624	236	296	395	491	
5.0	S	100	122	166	208	103	128	168	208	128	160	211	260	
	D	91	114	152	189	218	274	365	455	172	216	288	358	
5.5	S	83	101	137	172	85	106	139	172	106	132	174	215	
	D	68	86	114	142	164	206	274	342	129	162	216	269	
6.0	S	70	85	115	144	71	89	117	145	89	111	146	181	
	D	53	66	88	110	126	159	211	263	99	125	166	207	
6.5	S	59	72	98	123	61	76	100	123	76	94	125	154	
	D	41	52	69	86	99	125	166	207	78	98	131	163	
7.0	S	51	62	84	106	52	65	86	106	66	81	107	133	
	D	33	42	55	69	80	100	133	166	63	79	105	130	
7.5	S	45	54	74	92	46	57	75	93	57	71	94	116	
	D	27	34	45	56	65	81	108	135	51	64	85	106	
8.0	S	39	48	65	81	40	50	66	81	50	62	82	102	
	D	22	28	37	46	53	67	89	111	42	53	70	87	
8.5	S	35	42	57	72	36	44	58	72	44	55	73	90	
	D	19	23	31	39	44	56	74	93	35	44	59	73	
9.0	S	31	38	51	64	32	39	52	64	40	49	65	80	
	D	16	20	26	32	37	47	63	78	29	37	49	61	
9.5	S	28	34	46	58	28	35	47	58	36	44	58	72	
	D	13	17	22	28	32	40	53	66	25	31	42	52	
10.0	S	25	30	41	52	26	32	42	52	32	40	53	65	
	D	11	14	19	24	27	34	46	57	21	27	36	45	
10.5	S	23	28	38	47	23	29	38	47	29	36	48	59	
	D	10	12	16	20	24	30	39	49	19	23	31	39	
11.0	S	21	25	34	43	21	26	35	43	27	33	43	54	
	D	9	11	14	18	20	26	34	43	16	20	27	34	

- 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 S136-01