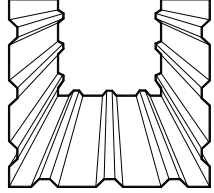


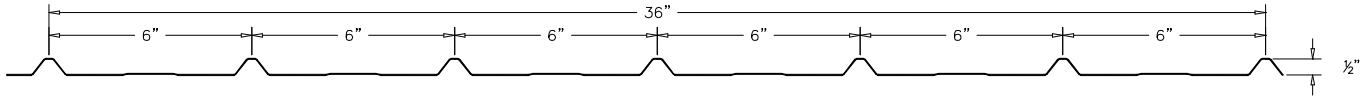
# FORMA



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COMPLETE LINE OF STEEL SIDING AND ROOFING



## II/6 PROFILE - LOW OCCUPANCY

### 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. <sup>4</sup> )	Specified Web Crippling Data			
				Midspan (in. <sup>3</sup> )	Support (in. <sup>3</sup> )		P <sub>e1</sub> End (lb)	P <sub>e2</sub> End (lb)	P <sub>i1</sub> Interior (lb)	P <sub>i2</sub> Interior (lb)
0.016 (80 ksi)	0.0175	0.76	0.0100	0.0087	0.00441	99.8	24.9	171	29.1	
0.019 (80 ksi)	0.0205	0.89	0.0118	0.0105	0.00522	144	36.1	253	42.9	
0.019 (33 ksi)	0.0205	0.89	0.0118	0.0110	0.00522	80.1	20.0	140	23.8	
0.024 (33 ksi)	0.0255	1.11	0.0148	0.0140	0.00656	132	33.0	235	40.0	

### MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)

SPAN LENGTH (in.)	Yield	1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)			
		0.016	0.019	0.019	0.024	0.016	0.019	0.019	0.024	0.016	0.019	0.019	0.024
	80 ksi	80 ksi	33 ksi	33 ksi	80 ksi	80 ksi	33 ksi	33 ksi	80 ksi	80 ksi	33 ksi	33 ksi	
12	S	298	352	195	244	260	314	181	232	325	392	226	289
	D	385	455	455	573	923	1093	1093	1375	727	861	861	1082
16	S	168	198	110	137	146	176	102	130	183	220	127	163
	D	162	192	192	242	389	461	461	580	307	363	363	457
20	S	107	127	70	88	94	113	65	83	117	141	81	104
	D	83	98	98	124	199	236	236	297	157	186	186	234
24	S	75	88	49	61	65	78	45	58	81	98	56	72
	D	48	57	57	72	115	137	137	172	91	108	108	135
30	S	48	56	31	39	42	50	29	37	52	63	36	46
	D	25	29	29	37	59	70	70	88	47	55	55	69
36	S	33	39	22	27	29	35	20	26	36	44	25	32
	D	14	17	17	21	34	40	40	51	27	32	32	40
42	S	24	29	16	20	21	26	15	19	27	32	18	24
	D	9	11	11	13	22	25	25	32	17	20	20	25
48	S	19	22	12	15	16	20	11	14	20	24	14	18
	D	6	7	7	9	14	17	17	21	11	13	13	17
54	S	15	17	10	12	13	15	9	11	16	19	11	14
	D	4	5	5	6	10	12	12	15	8	9	9	12
60	S	12	14	8	10	10	13	7	9	13	16	9	12
	D	3	4	4	5	7	9	9	11	6	7	7	9
72	S	8	10	5	7	7	9	5	6	9	11	6	8
	D	2	2	2	3	4	5	5	6	3	4	4	5

- Notes:**
- 1 Based on ASTM A 653 structural steel.
  - 2 Values in row "S" are based on strength.
  - 3 Values in row "D" are based on deflection of 1/180th span.
  - 4 Web crippling not included in strength calculations. See Example.

Limit States Design principles were used in accordance with CSA Standard S136-01