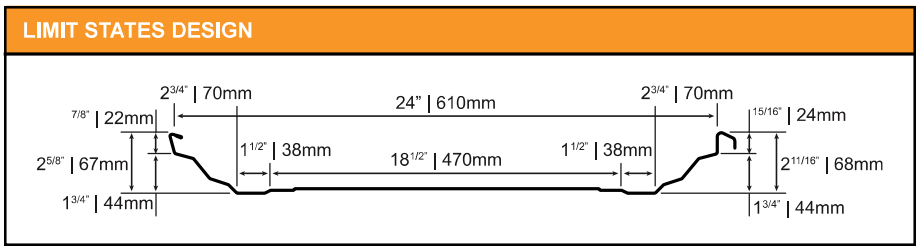


1. Based on ASTM A 653 structural steel.
2. Values in row "S" are based on strength.
3. Values in row "D" are based on deflection of SPAN/240.
4. Web crippling not included in strength calculation. See example.
5. Limit States Design principles were used in accordance with CSA Standard S136-12.



SECTION PROPERTIES | Per Foot of Width

Base Steel Thickness (inches)	Weight (G90) (psf)	Yield Stress (ksi)	Section Modulus		Deflection Moment of Inertia (in ⁴)	Specified Web Crippling Data			
			Midspan (in ³)	Support (in ³)		Pe1 End (lb)	Pe2 End (lb)	Pi1 Interior (lb)	Pi1 Interior (lb)
0.0240	1.26	50	0.0997	0.0864	0.179				
0.0300	1.56	50	0.126	0.109	0.227				

LLF = 1.50; IMPF = 0.90; NORMAL OCCUPANCY = 1.0

LOAD TABLE | Maximum Uniformly Distributed Specified Loads (psf).

Span Length (ft)	1-Span Base Steel Thickness (inches)				2-Span Base Steel Thickness (inches)				3-Span Base Steel Thickness (inches)			
	0.0240	0.0300			0.0240	0.0300			0.0240	0.0300		
Y.S.* (ksi)	50	50			50	50			50	50		
3.0 S	220	278			191	241			239	302		
3.0 D	482	611			1157	1466			911	1154		
3.5 S	161	204			140	177			175	221		
3.5 D	303	385			728	923			574	727		
4.0 S	123	156			107	135			134	169		
4.0 D	203	258			488	618			384	487		
4.5 S	97	123			84	106			105	133		
4.5 D	143	181			343	434			270	342		
5.0 S	78	99			68	86			85	108		
5.0 D	104	132			250	317			197	249		
5.5 S	65	82			56	71			70	89		
5.5 D	78	99			188	238			148	187		
6.0 S	54	68			47	59			59	74		
6.0 D	60	76			145	183			114	144		
6.5 S	46	58			40	50			50	63		
6.5 D	47	60			114	144			90	114		
7.0 S	39	50			34	43			43	54		
7.0 D	38	48			91	115			72	91		
7.5 S	34	43			29	37			37	47		
7.5 D	31	39			74	94			58	74		

*Y.S. = Yield Strength

