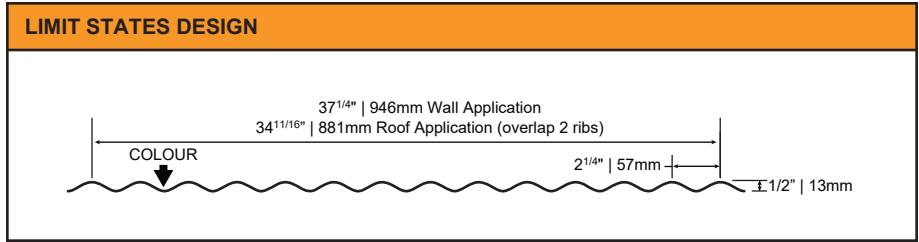


1. Based on ASTM A 653 structural steel.
2. Values in row "S" are based on strength.
3. Values in row "D" are based on deflection of 1/180th span.
4. Web crippling not included in strength calculation. See example.
5. Limit States Design principles were used in accordance with CSA Standard S136-16.



SECTION PROPERTIES | Per Foot of Width

Base Steel Thickness (in.)	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)	Pi2 Interior (lb)
0.0180	0.85	33	0.0235	0.0235	0.00587				
0.0180	0.85	50	0.0235	0.0235	0.00587				

LLF = 1.40; IMPF = 0.75; NORMAL OCCUPANCY = 1.0

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

Span Length (ft)		1-Span Base Steel Thickness (in.)				2-Span Base Steel Thickness (in.)				3-Span Base Steel Thickness (in.)			
		0.0180	0.0180			0.0180	0.0180			0.0180	0.0180		
Y.S.* (ksi)		33	50			33	50			33	50		
1.5	S	148	224			148	224			185	280		
1.5	D	202	202			486	486			383	383		
2.0	S	83	126			83	126			104	157		
2.0	D	85	85			205	205			161	161		
2.5	S	53	81			53	81			66	101		
2.5	D	44	44			105	105			83	83		
3.0	S	37	56			37	56			46	70		
3.0	D	25	25			61	61			48	48		
3.5	S	27	41			27	41			34	51		
3.5	D	16	16			38	38			30	30		
4.0	S	21	31			21	31			26	39		
4.0	D	11	11			26	26			20	20		
4.5	S					16	25			21	31		
4.5	D					18	18			14	14		
5.0	S					13	20			17	25		
5.0	D					13	13			10	10		
5.5	S												
5.5	D												
6.0	S												
6.0	D												

*Y.S. = Yield Stress

