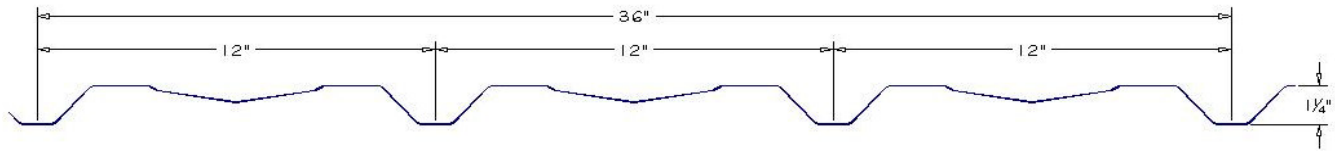


FORMA STEEL

FA WALL PANEL



SECTION PROPERTIES (PER FOOT OF WIDTH)

IMPERIAL	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	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)					
	0.0135	0.711	80	0.0217	0.0268	0.0162	23.4	5.85	45.6	7.75
	0.0180	0.929	80	0.0320	0.0384	0.0238	44.5	11.1	86.4	14.7

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (PSF)

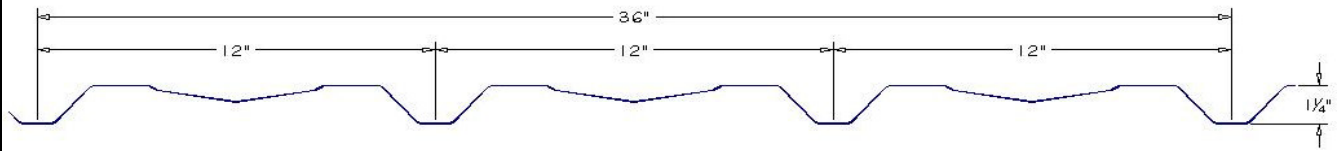
SPAN LENGTH (in.)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (inches)				BASE STEEL THICKNESS (inches)				BASE STEEL THICKNESS (inches)			
		0.0135	0.0180			0.0135	0.0180			0.0135	0.0180		
18	S	248	366			267	439			304	548		
	D	557	820			1336	1967			1052	1549		
24	S	139	206			173	247			216	309		
	D	235	346			564	830			444	654		
30	S	89	132			110	158			138	197		
	D	120	177			289	425			227	335		
36	S	62	91			77	110			96	137		
	D	70	102			167	246			132	194		
42	S	45	67			56	81			70	101		
	D	44	65			105	155			83	122		
48	S	35	51			43	62			54	77		
	D	29	43			70	104			55	82		
54	S	28	41			34	49			43	61		
	D	21	30			49	73			39	57		
60	S	22	33			28	39			35	49		
	D	15	22			36	53			28	42		
66	S	18	27			23	33			29	41		
	D	11	17			27	40			21	31		
72	S		23			19	27			24	34		
	D		13			21	31			16	24		

- Notes:**
- 1 Based on ASTM A 653 structural steel.
 - 2 Values in row "S" are based on strength.
 - 3 All values in row "D", based on deflection of 1/180th span, are controlled by strength "S".
 - 4 Web crippling not included in strength calculations. See Example.
- Limit States Design principles were used in accordance with CSA Standard S136-07



FORMA STEEL

FA WALL PANEL



SECTION PROPERTIES (PER METRE OF WIDTH)

METRIC	Base Steel Thickness (mm)	Mass Z275 (kg/m ²)	Yield Stress (MPa)	Sec. Modulus		Deflection Moment of Inertia (x10 ⁶ mm ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (kN)	P _{e2} End (kN)	P _{i1} Interior (kN)	P _{i2} Interior (kN)
				(x10 ³ mm ³)	(x10 ³ mm ³)					
	0.343	3.47	550	1.17	1.45	0.0221	0.338	0.085	0.660	0.112
	0.457	4.54	550	1.72	2.07	0.0325	0.643	0.161	1.25	0.212

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (kPa)

SPAN LENGTH (mm)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)			
		0.343	0.457			0.343	0.457			0.343	0.457		
400	S	15.4	22.7			14.6	27.2			16.6	34.0		
	D	39.9	58.7			95.7	141			75.3	111		
500	S	9.84	14.5			11.7	17.4			13.3	21.8		
	D	20.4	30.1			49.0	72.1			38.6	56.8		
600	S	6.83	10.1			8.46	12.1			10.6	15.1		
	D	11.8	17.4			28.3	41.8			22.3	32.9		
800	S	3.84	5.68			4.76	6.81			5.95	8.51		
	D	4.98	7.34			12.0	17.6			9.42	13.9		
1000	S	2.46	3.63			3.05	4.36			3.81	5.45		
	D	2.55	3.76			6.12	9.02			4.82	7.10		
1200	S	1.71	2.52			2.12	3.03			2.64	3.78		
	D	1.48	2.17			3.54	5.22			2.79	4.11		
1400	S	1.26	1.85			1.55	2.22			1.94	2.78		
	D	0.93	1.37			2.23	3.29			1.76	2.59		
1500	S	1.09	1.62			1.35	1.94			1.69	2.42		
	D	0.76	1.11			1.81	2.67			1.43	2.10		
1600	S	0.96	1.42			1.19	1.70			1.49	2.13		
	D	0.62	0.92			1.49	2.20			1.18	1.73		
1800	S		1.12			0.94	1.34			1.18	1.68		
	D		0.64			1.05	1.55			0.83	1.22		
2000	S					0.76	1.09			0.95	1.36		
	D					0.77	1.13			0.60	0.89		

- Notes:**
- 1 Based on ASTM A 653M structural steel.
 - 2 Values in row "S" are based on strength.
 - 3 All values in row "D", based on deflection of 1/180th span, are controlled by strength "S".
 - 4 Web crippling not included in strength calculations. See Example.
- Limit States Design principles were used in accordance with CSA Standard S136-07

