



FR PANEL : NORMAL OCCUPANCY

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	0.0262	0.0212	0.0296	21.9	5.47	42.6	7.24
	0.0180	0.929	80	0.0375	0.0313	0.0415	41.6	10.4	80.6	13.7

Live load factor = 1.5; Importance factor = 0.90; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (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	279	400			226	334			282	417		
	D	851	1191			2043	2859			1609	2252		
24	S	157	225			127	188			159	235		
	D	359	503			862	1206			679	950		
30	S	100	144			81	120			102	150		
	D	184	257			441	618			348	486		
36	S	70	100			56	83			71	104		
	D	106	149			255	357			201	281		
42	S	51	73			41	61			52	77		
	D	67	94			161	225			127	177		
48	S	39	56			32	47			40	59		
	D	45	63			108	151			85	119		
54	S	31	44			25	37			31	46		
	D	32	44			76	106			60	83		
60	S	25	36			20	30			25	38		
	D	23	32			55	77			43	61		
66	S	21	30			17	25			21	31		
	D	17	24			41	58			33	46		
72	S	17	25			14	21			18	26		
	D	13	19			32	45			25	35		
	S												
	D												

Notes:

- 1 Based on ASTM A 653 or ASTM A 792 structural grade 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 S136-07