



FA 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	0.0217	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 = 1.5; 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	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		
	S												
	D												

Notes:

- 1 Based on ASTM A 653 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