

1 1/2" TYPE A ROOF DECK		Sectional Properties				
	Type	Design Thickness	I_p In.⁴/Ft.	S_p In.³/Ft.	S_n In.³/Ft.	
	22	.0295	0.117	0.113	0.124	
	20	.0358	0.152	0.140	0.150	
	18	.0474	0.217	0.192	0.198	

Allowable Uniform Total Load – PSF														
Number Of Spans	Type	Span – Feet & Inches												
		4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"
1 Span	22	93	73	60	49	41	35	30						
	20	116	91	74	61	51	44	38	33					
	18	158	125	101	84	70	60	51	44	38	33			
2 Span	22	102	80	65	54	45	38	33						
	20	122	97	79	65	55	47	40	35	31				
	18	162	128	104	86	72	62	53	46	41	36	32		
3 Span	22	125	99	81	67	56	48	41	36	32				
	20	152	121	98	81	68	58	50	44	38	34	30		
	18	201	159	129	107	90	77	66	58	51	45	40		

FACTORY MUTUAL APPROVED SPANS	TYPE		
	22	20	18
	4'-10"	5'-3"	6'-0"

All data taken from manufacturer's catalogs and is presented for estimating purposes only. All loads are governed by the allowable flexural stress limit of 20,000 psi for a 33,000 psi minimum yield steel. Section properties have been determined in accordance with the American Iron and Steel Institute's Specifications for the Design of Cold Formed Steel Structural Members. Revised: 3/8/2006