

16" Floor Double Tees 10 FT Wide

Transformed Composite Section Properties	WIDTH	A (in ²)	Yt (in)	Yb (in)	I (in ⁴)	St (in ³)	Sb (in ³)	Wt (plf)	Wt (psf)
	10'	604	4.53	13.47	11,352	3,152	692	634	63.4

TABLE OF SAFE SUPERIMPOSED SERVICE LOADS (psf)																
DESIGN SPAN IN FEET																
Strand Pattern	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
2D1	133	95	68	48	33	21	12	4								
4D1	299	226	174	136	107	84	66	51								
6D1				220	177	144	115	91	71	54	40					
8D1							154	123	99	79	63	49	37			
10D1								165	135	110	89	72	57	45		
12D1								211	175	146	121	100	82	67	54	42

TABLE OF ESTIMATE CAMBERS (in)																
DESIGN SPAN IN FEET																
Strand Pattern	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46
2D1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1								
4D1	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7								
6D1				0.7	0.8	0.9	1.0	1.0	1.1	1.1	1.2					
8D1							1.2	1.3	1.5	1.5	1.6	1.6	1.7			
10D1								1.7	1.8	2.0	2.1	2.2	2.3	2.4		
12D1								2.0	2.3	2.5	2.7	2.9	3.0	3.2	3.3	3.4

24" Floor Double Tees 12 FT Wide

Transformed Composite Section Properties	WIDTH	A (in ²)	Yt (in)	Yb (in)	I (in ⁴)	St (in ³)	Sb (in ³)	Wt (plf)	Wt (psf)
	12'	823	6.88	19.12	41,561	9,250	2,207	908	75.67

TABLE OF SAFE SUPERIMPOSED SERVICE LOADS (psf)																
DESIGN SPAN IN FEET																
Strand Pattern	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
4D1	42	32	23	15	8											
8D1				72	60	50	41	33	25							
11D1							64	54	44	34						
12D1								70	58	48	38	30				
14D1								86	73	62	51	42	34	26		
16D1								98	84	71	60	50	41	33	26	
18D1								113	97	83	71	61	51	43	35	28

TABLE OF ESTIMATE CAMBERS (in)																
DESIGN SPAN IN FEET																
Strand Pattern	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64
4D1	0.4	0.3	0.3	0.3	0.3											
8D1				1.0	1.0	1.0	1.0	1.0	0.9							
11D1							1.5	1.5	1.5	1.5						
12D1								1.8	1.8	1.9	1.9	1.8				
14D1								2.1	2.2	2.2	2.3	2.3	2.3	2.3		
16D1								2.3	2.4	2.5	2.5	2.6	2.6	2.6	2.5	
18D1								2.6	2.7	2.8	2.9	2.9	3.0	3.0	3.0	3.0

