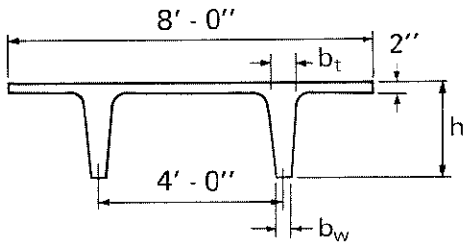


DOUBLE TEE

TYPE "B" LOAD TABLE

8' - 0" Wide
Wide Stem Members
Normal Weight Concrete



Section Properties								
Designation	h (in.)	b _t /b _w (in.)	A (in. ²)	I (in. ⁴)	y _b (in.)	Z _b (in. ³)	Z _t (in. ³)	wt (plf)
8DT16A	16	8.00/6.00	388	8944	11.13	804	1837	404
8DT18A	18	9.75/7.75	472	14,623	11.84	1235	2374	492
8DT20A	20	8.00/5.50	435	16,117	13.72	1175	2566	453
8DT20B	20	9.75/7.50	503	19,354	13.06	1482	2789	523
8DT24A	24	8.00/5.00	478	25,686	16.33	1573	3349	498
8DT24B	24	9.75/7.00	560	31,192	15.51	2011	3674	583
8DT32A	32	8.00/4.00	549	51,286	21.71	2362	4984	572
8DT32B	32	9.75/6.00	665	64,775	20.47	3164	5618	692

Key

- 48 – Safe superimposed load, psf *long term*
- 0.60 – Anticipated *initial* camber, in.
- 2.05 – Deflection due to superimposed load shown, in.

Table of Safe Superimposed Loads, Cambers and Deflections

No Topping

Designation	No. Strand	e _e e _c	Span, ft.																
			48	50	52	54	56	58	60	62	64	66	68	70	72				
8DT16A	12	3.13 8.63	70*	61*	53*	46*	40	34	28										
			1.63	1.56	1.43	1.20	0.90	0.53	0.09										
			1.76	1.81	1.85	1.87	1.86	1.82	1.74										
8DT18A	16	3.34 9.09			91*	81*	72*	63*	55	48	41								
					1.63	1.56	1.43	1.21	0.93	0.60	0.21								
					1.93	1.99	2.04	2.08	2.07	2.05	2.00								
8DT20A	16	3.22 10.97								64	57	50	44	38	33				
											1.82	1.66	1.45	1.16	0.77	0.30			
											2.49	2.50	2.49	2.46	2.41	2.33			
8DT20B	20	2.66 10.06								90	80	71	63	55	49	42			
											1.78	1.66	1.48	1.26	0.96	0.56	0.10		
											2.54	2.53	2.60	2.61	2.59	2.55	2.49		

Designation	No. Strand	e _e e _c	Span, ft.																		
			62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	
8DT24A	16 20	4.33 13.58	90	81	72	64	57	50	44	39	34										
			1.87	1.81	1.72	1.58	1.40	1.14	0.82	0.44	0.01										
			2.18	2.22	2.25	2.26	2.26	2.24	2.20	2.15	2.07										
8DT24B	24	2.84 12.26						82	74	66	59	52	46								
											1.72	1.52	1.26	0.95	0.56	0.08					
											2.98	2.99	2.98	2.96	2.91	2.85					
8DT32A	22	4.26 17.21											68	62	56	50	45	40			
														1.66	1.47	1.22	0.93	0.57	0.14		
														2.80	2.79	2.76	2.72	2.66	2.59		
8DT32B	28	4.18 16.97												95	87	79	72	65	58	52	
															1.86	1.89	1.47	1.21	0.90	0.53	0.08
															3.08	3.09	3.09	3.07	3.03	2.98	2.91

*Capacity governed by ultimate strength Values below heavy line require release strengths higher than 3500 psi
f_c = 5000 psi f_{pu} = 270,000 psi