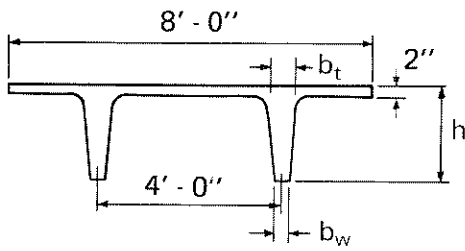


DOUBLE TEE TYPE "B" LOAD TABLE

8' - 0" Wide
Wide Stem Members
Lightweight 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)
8LDT16A	16	8.00/6.00	388	8944	11.13	804	1837	310
8LDT18A	18	9.75/7.75	472	14,623	11.84	1235	2374	377
8LDT20A	20	8.00/5.50	435	16,117	13.72	1175	2566	347
8LDT20B	20	9.75/7.50	503	19,354	13.06	1482	2789	401
8LDT24A	24	8.00/5.00	478	25,686	16.33	1573	3349	382
8LDT24B	24	9.75/7.00	560	31,192	15.51	2011	3674	447
8LDT32A	32	8.00/4.00	549	51,286	21.71	2362	4984	439
8LDT32B	32	9.75/6.00	665	64,775	20.47	3164	5618	531

Key

- 36 – Safe superimposed load, psf *long term*
- 1.71 – Anticipated initial camber in.
- 4.06 – 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.															
			52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	
8LDT16A	12	3.13 8.63	63	55	49	43	37	33	28									
			2.94	2.88	2.75	2.56	2.26	1.81	1.26									
			3.24	3.33	3.39	3.43	3.44	3.42	3.37									
8LDT18A	16	3.34 9.09	93	83	74	66	59	52	46	41	36	31						
			2.98	2.97	2.91	2.79	2.62	2.35	1.95	1.47	0.91	0.25						
			3.39	3.51	3.61	3.69	3.75	3.79	3.80	3.78	3.74	3.66						
8LDT20A	16	3.22 10.97										48	43	39	34	30	27	
												3.16	2.88	2.53	2.07	1.51	0.79	
												4.55	4.56	4.55	4.51	4.43	4.32	
8LDT20B	16	4.06 10.31	114*	101*	89*	79*	70*	60	50	41	33	26						
			2.80	2.85	2.88	2.86	2.81	2.71	2.54	2.26	1.92	1.51						
			2.38	2.54	2.69	2.85	3.01	3.10	3.18	3.24	3.28	3.31						

Designation	No. Strand	e _e e _c	Span, ft.																	
			72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106
8LDT24A	16	4.33 13.58	61	56	50	45	41	36	32	29										
			3.19	3.03	2.81	2.53	2.18	1.71	1.14	0.50										
			4.06	4.10	4.12	4.12	4.10	4.06	3.98	3.88										
8LDT24B	24	2.84 12.26										60	54	49	44	40	36			
												2.83	2.46	2.02	1.48	0.84	0.08			
												5.44	5.45	5.43	5.38	5.31	5.20			
8LDT32A	20	4.91 17.46										61	56	51	46	42	38	35	31	
												3.05	2.84	2.57	2.24	1.85	1.38	0.81	0.17	
												4.48	4.50	4.49	4.47	4.43	4.37	4.28	4.17	
8LDT32B	28	4.18 16.97													68	63	58	53	48	44
															3.02	2.70	2.31	1.85	1.31	0.68
															5.63	5.63	5.61	5.57	5.50	5.42

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