

Member	1962 Table Force	1992 Table Force	L	Member	1992 Reinf	Gross Area	Tension Capacity						Compression Capacity						
							.6FyAg		Bolt Area	Net Area	.5FuAn		l	r	kl/r	Fa	fa	1992 Demand	
Uo'-Uo		-185	66		4 L5x3x3/8	11.44							1458.00	11.29	70.16	20.94	16.17	77.23%	
Uo-U1	20	-104	72	4 L3 1/2x3 1/2x5/16		8.36							1011.00	11.00	78.57	19.41	12.44	64.09%	
U1-U2	-376	-395	72	2 C18x42.7		25.20							3146.50	11.17	77.32	19.41	15.67	80.76%	
U2-U3	-557	-592	72	2 C18x51.9		30.60							3831.60	11.19	77.21	19.41	19.35	99.67%	
U3-U4	-663	-778	72	2 C18x58	4 L3 1/2X3x3/8	43.40							5793.00	11.55	74.78	19.99	17.93	89.68%	
U4-U5	-654	-770	72	2 C18x58	4 L3 1/2X3x3/8	43.40							5793.00	11.55	74.78	19.99	17.74	88.75%	
Lo-L1	1362	1301	24	2 18x1 1/16 + 21 7/8x1/2		49.19	1357.58	95.83%	100.33%	0.00	49.19	1647.78	78.95%						
L1-L2	1362	1301	24	2 18x1 1/16 + 21 7/8x1/2		49.19	1357.58	95.83%	100.33%	15.24	58.67	1965.51	66.19%						
L2-L23	1553	1430	24	2 18x1 1/4 + 21 1/2x1/2		55.75	1538.70	92.94%	100.93%	0.00	55.75	1867.63	76.57%						
L23-L3	1553	1430	24	2 18x1 1/4 + 21 1/2x1/2		55.75	1538.70	92.94%	100.93%	0.00	55.75	1867.63	76.57%						
L3-L4	1736	1689	24	2 18x1 7/16 + 21 1/8x1/2		62.31	1719.83	98.21%	100.94%	16.89	58.11	1946.56	86.77%						
L4-L5	1825	1510	24	2 18x1 1/2 + 21x9/16		65.81	1816.43	83.13%	100.47%	0.00	65.81	2204.72	68.49%						
Uo"-Uo		-312	40		4 L5x5x1/2	19.00							8093.00	20.64	46.52	24.81	16.42	66.19%	
Uo-Lo	-44	-302	30		4 L5x5x1/2	19.00							8093.00	20.64	17.44	28.51	15.89	55.75%	
U1-L1	0	0	30																
U2-L2	-238	-252	30	2 C12X25		14.70							288.00	4.43	81.33	18.81	17.14	91.14%	
U2L3-L23		-104	12		2 C8X13.75	8.08							72.20	2.99	48.17	24.51	12.87	52.51%	
U3-L3	-221	85 or -307	30	2 C12X25	4 L3 1/2x2 1/2X5/16	21.82							394.00	4.25	84.72	17.99	14.07	78.21%	
U4-L4	-103	-108	30	2 C12X25		14.70							288.00	4.43	81.33	18.81	7.35	39.06%	
U5-L5	-8	0	30	2 L6x3 1/2x5/16															
U1-Lo	-319	-232	38.4	2 C15x33.9		19.92							630.00	5.62	81.94	18.61	11.65	62.58%	
U1-L2	305	285	38.4	2 C8x18.75		11.02	330.60	86.21%		0	11.02	385.70	73.89%						
U2-U2L3	291	316	17.2	2 C8x18.75		11.02	330.60	95.58%		1.625	9.40	328.83	96.10%						
U2L3-L3	291	410	17.2	2 C8x18.75	2 C8x18.75	22.04	661.20	62.01%		3.25	15.97	559.00	73.34%						
U3-L4	196	312 or -23	38.4	2 C10X20		11.76	352.80	88.44%		0	11.76	411.60	75.80%						
U4-L5	106 -100	115 or -102	38.4	2 C12X25		14.70	441.00	26.08%		0	14.70	514.50	22.35%	182.40	3.52	130.82	8.70	6.94	79.76%

U=0.85 where forces are transferred through partial section