

FORCES IN MEMBERS (Cont.-) [kips]									
REQUIRED MATERIAL					REQUIRED WELD				
x = tied at mid-length					Eff. Throat-Ea. Side				
No.	Tension	Compress.	Slend.	Unif.	Length	Remarks			
2-10	38.79	0.00	do	z 61 1.00	do				
2-11	34.40	0.00	do	z 61 0.91	do				
2-12	34.40	0.00	do	z 61 0.89	do				
2-13	29.35	0.00	do	z 61 0.78	do				
2-14	23.22	0.00	do	z 61 0.59	2'-0"				
2-15	17.22	0.00	do	z 61 0.48	1'-8"				
2-16	10.14	0.00	do	z 58 0.35	2'-0 1/2"				
2-17	0.00	0.00	LL 2 x .186	z 58 0.20					
End Diagonal					z 120 0.82	2'-2 5/8"	.193 - 1 1/8"		
1-1					z 120 0.89	2'-2 5/8"	.193 - 1 1/4"		
3-2							.193 - 0 3/4"		
4-3					z 91 0.55	1'-8"	.193 - 0 3/4"		
4-4					z 84 0.41	do	.200 - 0 3/4"		
4-5					z 84 0.36	do	.200 - 0 3/4"		
4-6					z 91 0.38	do	.193 do		
4-7					z 91 0.32	do	do		
4-8					z 91 0.26	do	do		
4-9					z 91 0.21	do	do		
4-10					z 91 0.31	do	do		
4-11					z 91 0.31	do	do		
4-12					z 91 0.42	do	.193 - 0 3/4"		
4-13					z 84 0.40	do	.200 - 0 3/4"		
4-14					z 84 0.45	do	.200 - 0 3/4"		
5-1					z 91 0.59	1'-8"	.193 - 7/8"		
5-2					z 82 0.84	1'-5 7/8"	.193 - 0 3/4"		
5-3					z 84 0.75	do	.200 - 0 3/4"		
5-4					z 91 0.78	do	.193 - 0 3/4"		
5-5					z 91 0.68	do	do		
5-6					z 91 0.58	do	do		
5-7					z 91 0.47	do	do		
5-8					z 91 0.37	do	do		
5-9					z 91 0.17	do	do		
5-10					z 91 0.56	do	do		
5-11					z 91 0.66	do	do		
5-12					z 91 0.77	do	do		
5-13					z 91 0.87	do	.193 - 0 3/4"		
5-14					z 84 0.74	do	.200 - 0 3/4"		
5-15					z 84 0.82	1'-8"	.200 - 0 3/4"		
5-16					z 82 0.91	1'-5 7/8"	.193 - 0 3/4"		
Secondary Web Member					z 74 0.05	1'-4"	.193 - 0 3/4"		
7-1					z 74 0.05	1'-4"	.193 - 0 3/4"		
7-2									