

SACS MEMBER RESULTS - OPERATING

SACS Release 5.1

PLATFORM ASSESSMENT

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/R	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
112-A007	CN1	0.030	11	30.0	0.00	-0.71	-0.38	-0.48	-1.35	23.3	23.3	0.030	12	0.030	13
113-5022	CN1	0.064	11	118.0	0.00	1.64	-0.53	-0.50	1.19	91.5	91.5	0.064	12	0.064	13
113-A003	CN1	0.028	11	30.0	0.00	-0.62	-0.41	-0.50	-1.19	23.3	23.3	0.028	12	0.028	13
5000-5011	CN1	0.150	11	21.7	0.00	4.01	0.61	2.20	14.42	16.8	16.8	0.150	12	0.150	13
5002-5013	CN1	0.073	11	21.7	0.00	1.84	0.71	2.57	6.63	16.8	16.8	0.073	12	0.073	13
5003-5014	CN1	0.150	11	21.7	0.00	3.98	0.76	2.75	14.32	16.8	16.8	0.150	12	0.150	13
5005-5016	CN1	0.072	11	21.7	0.00	1.78	0.79	2.84	6.42	16.8	16.8	0.072	12	0.072	13
5009-5007	CN1	0.028	11	0.0	0.00	0.43	-0.62	2.25	-1.55	16.8	16.8	0.028	12	0.028	13
5010-5008	CN1	0.021	11	0.0	0.00	0.50	-0.28	1.02	-1.80	16.8	16.8	0.021	12	0.021	13
5017-5009	CN1	0.052	11	0.0	0.00	1.29	-0.57	-0.21	-3.35	15.5	15.5	0.052	12	0.052	13
5017-5025	CN1	0.052	11	0.0	0.00	1.29	0.57	-0.52	-0.86	91.5	91.5	0.052	12	0.052	13
5018-5010	CN1	0.054	11	0.0	0.00	1.28	-0.71	1.65	-3.04	15.5	15.5	0.054	12	0.054	13
5019- 120	CN1	0.062	11	0.0	0.00	1.60	0.53	-0.48	-1.16	91.5	91.5	0.062	12	0.062	13
5019-5011	CN1	0.150	11	20.0	0.00	4.01	-0.61	-0.34	9.39	15.5	15.5	0.150	12	0.150	13
5021- 112	CN1	0.071	11	0.0	0.00	1.85	0.52	-0.48	-1.35	91.5	91.5	0.071	12	0.071	13
5021-5013	CN1	0.073	11	20.0	0.00	1.84	-0.71	-0.76	-0.04	15.5	15.5	0.073	12	0.073	13
5022-5014	CN1	0.150	11	20.0	0.00	3.98	-0.76	-0.89	9.12	15.5	15.5	0.150	12	0.150	13
5024- 115	CN1	0.072	11	0.0	0.00	1.87	0.54	-0.50	-1.37	91.5	91.5	0.072	12	0.072	13
5024-5016	CN1	0.072	11	20.0	0.00	1.78	-0.79	-0.98	-0.35	15.5	15.5	0.072	12	0.072	13
5026-5018	CN1	0.054	11	118.0	0.00	1.28	-0.71	-0.64	0.85	91.5	91.5	0.054	12	0.054	13
5027-5026	CN1	0.023	11	0.0	0.00	-0.34	0.50	-0.64	0.85	23.3	23.3	0.023	12	0.023	13
5028-5025	CN1	0.020	11	0.0	0.00	-0.34	0.41	-0.52	0.86	23.3	23.3	0.020	12	0.020	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
A005- 120	CN1	0.026	11	0.0	0.00	-0.60	0.39	-0.48	1.16	23.3	23.3	0.026	12	0.026	13
A008- 115	CN1	0.031	11	0.0	0.00	-0.72	0.41	-0.50	1.37	23.3	23.3	0.031	12	0.031	13
110-A006	CN2	0.024	11	30.0	0.00	-0.55	-0.32	-0.18	-0.46	27.7	27.7	0.024	12	0.024	13
114-5023	CN2	0.058	11	118.0	0.00	1.47	-0.44	-0.18	0.47	109.0	109.0	0.058	12	0.058	13
5001-5012	CN2	0.097	11	21.7	0.00	2.49	0.62	0.98	3.97	20.0	20.0	0.097	12	0.097	13
5004-5015	CN2	0.095	11	21.7	0.00	2.41	0.68	1.08	3.85	20.0	20.0	0.095	12	0.095	13
5020- 110	CN2	0.057	11	0.0	0.00	1.44	0.43	-0.18	-0.46	109.0	109.0	0.057	12	0.057	13
5020-5012	CN2	0.097	11	20.0	0.00	2.49	-0.62	-0.32	1.81	18.5	18.5	0.097	12	0.097	13
5023-5015	CN2	0.095	11	20.0	0.00	2.41	-0.68	-0.40	1.63	18.5	18.5	0.095	12	0.095	13
A004- 114	CN2	0.025	11	0.0	0.00	-0.56	0.34	-0.18	0.47	27.7	27.7	0.025	12	0.025	13
181- 199	H1	0.020	11	0.0	-0.05	0.43	0.09	-0.03	-0.23	72.2	72.2	0.020	12	0.020	13
422- 423	H10	0.175	11	4.6	-0.10	-1.71	-4.27	-0.50	-0.09	29.0	29.0	0.175	12	0.175	13
428- 425	H11	0.333	11	10.4	-1.22	-1.01	-0.76	-0.01	-0.01	184.3	184.3	0.333	12	0.333	13
429- 436	H12	0.101	11	2.6	-0.11	2.59	-0.22	0.87	1.50	6.1	6.1	0.101	12	0.101	13
430- 435	H12	0.143	11	0.0	0.45	-2.00	-2.61	6.37	-0.68	6.1	6.1	0.143	12	0.143	13
431- 430	H12	0.048	11	0.0	0.32	-0.31	0.21	-0.94	0.21	8.3	8.3	0.048	12	0.048	13
432- 429	H12	0.075	11	3.5	-0.26	1.69	-0.20	-0.58	0.27	8.3	8.3	0.075	12	0.075	13
433- 432	H12	0.063	11	0.0	-0.47	1.10	0.06	0.40	-0.21	10.4	10.4	0.063	12	0.063	13
434- 431	H12	0.028	11	0.0	0.17	-0.07	0.40	-0.43	0.58	10.4	10.4	0.028	12	0.028	13
437- 430	H12	0.041	11	3.4	0.07	-0.83	-0.61	-0.64	-0.89	7.9	7.9	0.041	12	0.041	13
438- 429	H12	0.036	11	3.4	0.02	0.95	-0.13	-0.07	1.23	7.9	7.9	0.036	12	0.036	13
439- 432	H12	0.027	11	2.9	-0.11	0.60	-0.10	-0.14	0.48	6.7	6.7	0.027	12	0.027	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
440- 431	H12	0.032	11	0.0	-0.12	-0.21	0.09	0.03	-0.37	6.7	6.7	0.032	12	0.032	13
437- 410	H13	0.068	11	4.0	-0.46	1.20	-0.35	-0.39	0.17	14.3	14.3	0.068	12	0.068	13
438- 411	H13	0.069	11	0.0	0.24	1.54	0.33	-0.27	-0.67	14.3	14.3	0.069	12	0.069	13
439- 438	H13	0.081	11	4.0	0.28	1.83	0.14	0.07	0.56	14.4	14.4	0.081	12	0.081	13
440- 437	H13	0.056	11	4.0	-0.41	-0.95	0.23	0.08	-0.72	14.4	14.4	0.056	12	0.056	13
441- 440	H13	0.082	11	0.0	-0.53	1.45	-0.50	0.42	-1.09	15.9	15.9	0.082	12	0.082	13
442- 439	H13	0.075	11	4.4	0.07	1.94	0.12	0.14	1.03	15.9	15.9	0.075	12	0.075	13
101- 119	H1A	0.011	11	67.8	-0.09	0.14	-0.03	-0.02	0.07	72.1	72.1	0.011	12	0.011	13
119- 199	H2A	0.046	11	0.0	-0.32	0.59	-0.14	0.03	-0.13	88.8	88.8	0.046	12	0.046	13
201L-219L	H2B	0.013	11	0.0	0.06	-0.27	-0.06	0.02	0.06	87.0	87.0	0.013	12	0.013	13
281L-299L	H2C	0.042	11	0.0	-0.40	-0.37	0.15	-0.02	0.08	87.0	87.0	0.042	12	0.042	13
105- 109	H3	0.032	11	8.5	0.65	0.01	-0.05	-0.04	-0.01	17.0	17.0	0.032	12	0.032	13
109- 101	H3	0.033	11	35.5	0.66	0.05	-0.03	-0.01	0.00	70.8	70.8	0.033	12	0.033	13
199- 105	H3	0.041	11	0.0	0.66	-0.26	-0.09	0.02	0.05	87.8	87.8	0.041	12	0.041	13
405- 414	H3	0.403	11	0.0	6.53	2.69	-0.50	1.65	-1.02	6.0	6.0	0.403	12	0.403	13
405- 462	H3	0.226	11	0.0	-3.36	-1.79	0.66	-0.56	0.17	16.1	16.1	0.226	12	0.226	13
408- 405	H3	0.427	11	9.2	6.45	3.44	0.31	-0.01	0.73	18.2	18.2	0.427	12	0.427	13
409- 415	H3	0.273	11	5.6	-3.14	-2.97	-1.52	-2.91	-2.34	11.2	11.2	0.273	12	0.273	13
414- 460	H3	0.384	11	0.0	6.66	1.68	1.15	-1.96	-0.83	10.1	10.1	0.384	12	0.384	13
415- 405	H3	0.263	11	2.9	-3.24	-3.05	0.01	-1.31	-1.58	5.8	5.8	0.263	12	0.263	13
420- 459	H3	0.419	11	2.8	2.66	-7.97	0.24	-1.38	-5.45	5.6	5.6	0.419	12	0.419	13
428- 420	H3	0.327	11	0.0	2.67	5.50	0.02	0.31	-4.77	19.3	19.3	0.327	12	0.327	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RX	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
435- 408 H3		0.362	11	5.5	5.99	1.94	1.23	0.60	1.11	11.0	11.0	0.362	12	0.362	13
436- 409 H3		0.218	11	0.0	-2.88	2.19	0.20	0.87	-2.22	11.0	11.0	0.218	12	0.218	13
455-499L H3		0.323	11	3.2	3.36	-1.45	-4.30	-8.17	0.12	6.3	6.3	0.323	12	0.323	13
456- 455 H3		0.258	11	4.0	3.26	-1.49	2.48	3.19	0.08	8.0	8.0	0.258	12	0.258	13
457- 456 H3		0.220	11	0.0	3.18	-1.87	-0.56	1.16	0.35	8.0	8.0	0.220	12	0.220	13
458- 421 H3		0.277	11	1.6	3.07	-3.33	1.52	3.35	-1.54	3.2	3.2	0.277	12	0.277	13
458- 457 H3		0.247	11	0.0	3.11	-2.66	-0.78	1.10	0.85	8.0	8.0	0.247	12	0.247	13
459- 421 H3		0.308	11	0.0	3.06	-4.25	-1.48	-0.36	1.82	4.8	4.8	0.308	12	0.308	13
460- 461 H3		0.388	11	3.6	6.68	0.04	-2.12	-1.00	-0.83	7.2	7.2	0.388	12	0.388	13
461-499L H3		0.437	11	14.2	6.52	-2.62	2.56	1.58	-0.83	28.2	28.2	0.437	12	0.437	13
462- 463 H3		0.233	11	3.6	-3.30	-1.33	-1.72	-1.48	0.17	7.2	7.2	0.233	12	0.233	13
463-419L H3		0.246	11	0.0	-3.10	-1.33	-2.42	1.16	0.17	28.2	28.2	0.246	12	0.246	13
401L- 435 H3		0.491	11	0.0	6.62	-4.18	2.73	-2.10	1.79	19.4	19.4	0.491	12	0.491	13
401L-419L H3		0.093	11	0.0	0.63	1.00	1.41	-0.32	-0.19	76.3	76.3	0.093	12	0.093	13
105- 119 H3A		0.060	11	44.1	-0.69	0.33	0.03	0.00	0.05	87.6	87.6	0.060	12	0.060	13
108- 105 H3A		0.039	11	8.5	-0.69	-0.16	-0.03	-0.05	-0.05	17.0	17.0	0.039	12	0.039	13
181- 108 H3A		0.050	11	0.0	-0.69	0.20	0.06	-0.01	-0.04	70.6	70.6	0.050	12	0.050	13
301L-319L H3B		0.123	11	47.3	1.96	-0.85	0.16	0.02	-0.14	94.2	94.2	0.123	12	0.123	13
381L-399L H3B		0.154	11	0.0	1.91	1.75	-0.37	0.08	-0.29	94.2	94.2	0.154	12	0.154	13
420- 422 H4		0.081	11	4.1	0.17	1.58	-1.17	-0.02	0.68	13.6	13.6	0.081	12	0.081	13
422- 425 H4		0.144	11	2.2	0.22	2.67	-2.44	-0.33	0.78	7.3	7.3	0.144	12	0.144	13
425- 415 H4		0.291	11	5.8	0.04	5.44	5.60	2.21	0.76	19.2	19.2	0.291	12	0.291	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
201L-281L	H5A	0.024	11	46.6	0.29	-0.01	-0.29	-0.05	0.01	80.7	80.7	0.024	12	0.024	13
219L-299L	H5B	0.065	11	0.0	-0.89	-0.08	-0.17	0.04	0.01	80.8	80.8	0.065	12	0.065	13
433- 442	H6	0.251	11	0.0	2.66	3.40	0.63	-0.26	-1.85	6.8	6.8	0.251	12	0.251	13
433-481L	H6	0.490	11	10.1	3.06	9.39	-0.27	0.08	2.06	18.6	18.6	0.490	12	0.490	13
441- 434	H6	0.191	11	3.7	2.02	-2.63	-0.14	-0.13	-1.79	6.8	6.8	0.191	12	0.191	13
442- 441	H6	0.191	11	0.0	2.52	1.87	0.72	-1.53	-2.88	6.8	6.8	0.191	12	0.191	13
401L- 434	H6	0.418	11	0.0	1.98	-8.80	-0.01	0.36	2.37	18.6	18.6	0.418	12	0.418	13
419L-499L	H6	0.074	11	28.3	0.98	0.52	0.55	0.09	0.07	52.0	52.0	0.074	12	0.074	13
205-219L	H6A	0.017	11	0.0	-0.11	-0.29	-0.01	0.01	0.04	64.3	64.3	0.017	12	0.017	13
205-299L	H6A	0.034	11	36.1	-0.39	0.28	0.14	0.02	0.04	64.3	64.3	0.034	12	0.034	13
209- 205	H6B	0.039	11	8.4	-0.61	0.04	-0.07	-0.03	0.01	15.0	64.1	0.039	12	0.039	13
201L- 209	H6B	0.039	11	27.7	-0.62	0.03	0.07	0.01	0.01	49.3	64.1	0.039	12	0.039	13
208- 205	H6C	0.014	11	0.0	0.23	-0.05	-0.08	0.05	0.03	15.0	64.2	0.014	12	0.014	13
308- 310	H6C	0.177	11	0.0	-3.02	0.01	-0.86	0.49	-0.14	15.7	15.7	0.177	12	0.177	13
310-399L	H6C	0.210	11	30.2	-3.02	-1.19	0.44	0.07	-0.19	53.7	53.7	0.210	12	0.210	13
281L- 208	H6C	0.024	11	0.0	0.23	-0.26	0.24	-0.03	0.03	49.3	64.2	0.024	12	0.024	13
301L- 308	H6C	0.191	11	0.0	-3.02	0.98	0.48	-0.12	-0.17	38.0	38.0	0.191	12	0.191	13
307- 310	H6D	0.328	11	9.4	6.33	-0.88	-0.39	-0.08	-0.33	16.7	16.7	0.328	12	0.328	13
310-319L	H6D	0.330	11	0.0	6.36	-0.93	0.24	-0.04	0.19	54.7	54.7	0.330	12	0.330	13
381L- 307	H6D	0.354	11	0.0	6.37	1.59	-0.10	0.08	-0.30	38.0	38.0	0.354	12	0.354	13
301L-381L	H6E	0.152	11	0.0	2.65	0.21	0.76	-0.14	-0.03	66.4	66.4	0.152	12	0.152	13
319L-399L	H6E	0.080	11	0.0	0.16	1.93	0.31	-0.05	-0.36	66.4	66.4	0.080	12	0.080	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RX	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
109- 108	H7	0.005	11	11.0	0.00	-0.07	0.12	0.06	-0.02	28.7	28.7	0.005	12	0.005	13
209- 208	H7	0.003	11	10.8	-0.01	0.02	-0.06	-0.03	0.00	28.2	28.2	0.003	12	0.003	13
408- 410	H7	0.076	11	0.0	-0.61	-1.25	0.26	-0.81	0.38	7.7	7.7	0.076	12	0.076	13
410- 411	H7	0.087	11	0.0	0.25	-0.44	-1.51	1.66	0.55	9.6	9.6	0.087	12	0.087	13
411- 409	H7	0.073	11	3.0	0.66	0.72	0.89	0.60	-0.12	7.7	7.7	0.073	12	0.073	13
308- 307	H7A	0.033	11	0.0	0.04	-0.28	0.79	-0.36	-0.03	27.0	27.0	0.033	12	0.033	13
309- 312	H8A	0.025	11	0.0	0.09	0.56	-0.05	0.02	-0.03	80.2	80.2	0.025	12	0.025	13
421- 423	H9	0.099	11	0.0	-0.80	-1.21	-1.09	0.11	0.28	17.9	17.9	0.099	12	0.099	13
423- 414	H9	0.225	11	8.4	-0.90	3.32	3.51	0.42	0.18	36.3	36.3	0.225	12	0.225	13
101-201L	LG2	0.063	11	40.7	-1.03	0.08	0.16	0.65	-0.14	45.3	45.3	0.063	12	0.063	13
119-219L	LG2	0.148	11	40.7	-2.39	0.22	0.38	0.31	-0.39	45.3	45.3	0.148	12	0.148	13
181-281L	LG2	0.158	11	40.7	-2.18	0.89	-0.40	-0.40	2.15	45.3	45.3	0.158	12	0.158	13
199-299L	LG2	0.050	11	40.7	-0.65	-0.36	-0.09	-0.67	-0.13	45.3	45.3	0.050	12	0.050	13
201L-301L	LG3	0.092	11	32.6	-0.99	-0.84	-0.51	-1.50	-1.91	40.7	40.7	0.092	12	0.092	13
219L-319L	LG3	0.232	11	32.6	-2.54	-0.55	-2.35	-6.60	-1.98	40.7	40.7	0.232	12	0.232	13
281L-381L	LG3	0.255	11	32.6	-2.27	-2.60	2.11	6.23	-8.83	40.7	40.7	0.255	12	0.255	13
299L-399L	LG3	0.114	11	32.6	-0.52	2.14	0.07	0.44	6.28	40.7	40.7	0.114	12	0.114	13
301L-A001	LG4	0.131	11	17.3	-1.05	-1.58	1.17	7.95	-1.90	18.3	18.3	0.131	12	0.131	13
319L-A002	LG4	0.160	11	5.0	-1.26	-1.24	-2.11	6.81	-3.38	18.3	18.3	0.160	12	0.160	13
381L- 389	LG4	0.145	11	5.0	-0.29	-2.39	2.21	-11.89	21.40	20.6	20.6	0.145	12	0.145	13
399L- 384	LG4	0.119	11	19.3	-0.26	0.41	-2.63	-10.02	-8.68	20.6	20.6	0.119	12	0.119	13
309-401L	LG5	0.130	11	18.3	-0.73	-1.48	2.09	7.40	-2.41	19.2	19.2	0.130	12	0.130	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
311-419L	LG5	0.112	11	18.3	-0.87	-1.80	0.57	6.81	-3.38	19.2	19.2	0.112	12	0.112	13
384-385	LGA	0.124	11	1.0	-0.26	0.29	-2.77	-10.02	-8.68	1.1	1.1	0.124	12	0.124	13
385-394	LG5	0.054	11	0.0	0.00	0.26	-1.44	41.81	-5.24	4.3	4.3	0.054	12	0.054	13
387-388	LG5	0.034	11	3.5	0.00	-0.32	-0.87	-30.09	-4.85	3.7	3.7	0.034	12	0.034	13
388-499L	LG5	0.049	11	4.6	-0.08	-0.57	-1.07	-5.49	-5.81	17.1	17.1	0.049	12	0.049	13
390-389	LGA	0.100	11	0.0	-0.29	2.13	0.31	-11.89	-21.40	1.1	1.1	0.100	12	0.100	13
391-390	LG5	0.115	11	0.0	0.00	2.21	2.18	-40.48	-19.00	4.3	4.3	0.115	12	0.115	13
392-391	LG5	0.115	11	4.1	0.00	2.21	2.18	11.18	3.28	4.3	4.3	0.115	12	0.115	13
393-392	LG5	0.101	11	3.5	0.00	2.09	1.77	19.86	3.10	3.7	3.7	0.101	12	0.101	13
394-387	LG5	0.013	11	0.0	0.00	0.08	0.06	2.29	-6.42	4.3	4.3	0.013	12	0.013	13
401L-501L	LG5	0.165	11	0.0	-1.79	-0.69	1.99	-8.22	34.62	21.2	21.2	0.165	12	0.165	13
419L-519L	LG5	0.109	11	0.0	-0.84	-1.75	0.55	-3.62	28.52	21.2	21.2	0.109	12	0.109	13
481L-393	LG5	0.105	11	0.0	0.00	2.67	-0.99	49.66	-15.93	4.8	4.8	0.105	12	0.105	13
481L-581L	LG5	0.106	11	0.0	-0.34	1.63	1.77	-13.11	7.63	21.2	21.2	0.106	12	0.106	13
499L-599L	LG5	0.085	11	2.0	-1.16	0.36	-0.70	-1.26	15.24	21.2	21.2	0.085	12	0.085	13
A001-309	LGA	0.132	11	1.0	-1.05	-1.61	1.29	7.95	-1.90	1.1	1.1	0.132	12	0.132	13
A002-311	LGA	0.142	11	1.0	-1.26	-1.86	-0.86	6.81	-3.38	1.1	1.1	0.142	12	0.142	13
501L-601L	LG6	0.411	11	3.0	-4.57	2.47	4.25	-8.22	34.62	46.6	46.6	0.411	12	0.411	13
519L-619L	LG6	0.244	11	0.0	-2.14	-3.24	1.28	-3.61	28.52	46.6	46.6	0.244	12	0.244	13
581L-681L	LG6	0.277	11	0.0	-0.88	4.70	4.06	-13.11	7.63	46.6	46.6	0.277	12	0.277	13
599L-699L	LG6	0.252	11	3.0	-2.95	2.08	-1.95	-1.26	15.24	46.6	46.6	0.252	12	0.252	13
619L-719L	LG7	0.249	11	0.0	-3.25	0.16	-2.15	4.23	0.88	46.2	46.2	0.249	12	0.249	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
681L-781L	LG7	0.421	11	0.0	-1.31	8.69	-2.21	-7.16	-11.39	46.2	46.2	0.421	12	0.421	13
699L-799L	LG7	0.397	11	8.7	-4.37	0.01	-4.60	-15.28	-13.50	46.2	46.2	0.397	12	0.397	13
819L-719L	LG8	0.207	11	6.3	-3.25	0.43	0.85	4.23	-0.88	46.2	46.2	0.207	12	0.207	13
881L-781L	LG8	0.338	11	6.3	-1.27	5.21	4.53	-3.41	15.33	46.2	46.2	0.338	12	0.338	13
1035-919L	LG9	0.162	11	0.0	-0.95	-2.95	0.55	-4.04	12.67	12.5	12.5	0.162	12	0.162	13
1037-881L	LG9	0.104	11	14.4	-0.03	1.65	2.04	3.73	3.14	16.6	16.6	0.104	12	0.104	13
819L-1035	LG9	0.186	11	10.8	-1.32	-3.09	0.54	-4.24	-9.69	12.5	12.5	0.186	12	0.186	13
901L-801L	LG9	0.254	11	21.7	-2.77	1.71	-2.48	-3.75	5.37	24.9	24.9	0.254	12	0.254	13
981L-1037	LG9	0.047	11	0.0	-0.02	-0.86	-0.82	3.37	3.40	8.3	8.3	0.047	12	0.047	13
999L-899L	LG9	0.125	11	0.0	-1.06	-1.83	0.34	0.14	2.60	24.9	24.9	0.125	12	0.125	13
1- 101	PL1	0.110	11	5.1	-1.91	0.39	-0.38	-1.63	2.02	5.9	5.9	0.110	12	0.110	13
2- 119	PL1	0.215	11	5.1	-3.82	0.88	0.52	2.73	4.22	5.9	5.9	0.215	12	0.215	13
3- 181	PL1	0.196	11	5.1	-3.72	-0.45	-0.46	-2.45	-1.20	5.9	5.9	0.196	12	0.196	13
4- 199	PL1	0.093	11	5.1	-1.30	-0.72	0.48	2.16	-3.18	5.9	5.9	0.093	12	0.093	13
281L-399L	V1	0.067	11	61.5	0.58	-0.63	0.85	0.41	-0.20	65.5	65.5	0.067	12	0.067	13
2149-981L	V10	0.291	11	0.0	-2.90	1.66	3.56	-0.76	-0.35	53.0	53.0	0.291	12	0.291	13
2201-999L	V10	0.158	11	24.2	2.41	0.94	0.83	0.11	0.24	53.0	53.0	0.158	12	0.158	13
901L-2149	V10	0.359	11	23.7	6.88	-0.82	0.74	0.17	-0.03	51.9	51.9	0.359	12	0.359	13
919L-2201	V10	0.133	11	23.7	1.66	0.92	-1.20	-0.22	0.29	51.9	51.9	0.133	12	0.133	13
910-1035	V11	0.174	11	16.3	-2.31	-1.40	-0.08	-0.20	-0.27	42.7	42.7	0.174	12	0.174	13
945-2201	V11	0.143	11	0.0	-1.60	-0.12	-1.46	0.21	0.07	52.8	52.8	0.143	12	0.143	13
975-2149	V11	0.325	11	0.0	-2.46	2.13	4.68	-0.62	-0.62	51.5	51.5	0.325	12	0.325	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/R	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
1037- 984 V11		0.020	11	6.1	-0.05	0.16	-0.45	-0.35	0.12	16.1	16.1	0.020	12	0.020	13
1038-2205 V12		0.057	11	21.7	0.77	0.39	-0.41	-0.32	0.04	37.9	37.9	0.057	12	0.057	13
301L-219L V1A		0.028	11	0.0	-0.12	0.55	0.06	0.09	-0.26	53.2	53.2	0.028	12	0.028	13
201L- 119 V1B		0.020	11	74.2	0.23	0.17	-0.18	-0.09	0.10	64.2	64.2	0.020	12	0.020	13
101- 205 V1D		0.020	11	0.0	-0.28	0.09	-0.06	0.03	-0.02	55.2	55.2	0.020	12	0.020	13
205- 119 V1E		0.038	11	59.4	0.42	0.45	-0.20	-0.09	0.23	55.2	55.2	0.038	12	0.038	13
105- 205 V1F		0.002	11	45.0	0.00	0.00	-0.04	-0.02	-0.01	38.9	38.9	0.002	12	0.002	13
205- 199 V1F		0.032	11	59.4	-0.36	-0.31	-0.04	-0.02	-0.17	55.3	55.3	0.032	12	0.032	13
181- 205 V1G		0.020	11	0.0	0.21	0.22	-0.14	0.07	-0.12	55.3	55.3	0.020	12	0.020	13
1039-2205 V2		0.115	11	0.0	0.81	-0.05	2.08	-0.40	0.09	36.4	36.4	0.115	12	0.115	13
1041-881L V2		0.079	11	19.1	-0.23	-1.67	0.70	0.28	-0.80	33.2	33.2	0.079	12	0.079	13
1042-899L V2		0.022	11	19.1	-0.08	0.45	0.16	0.04	0.14	33.2	33.2	0.022	12	0.022	13
2205- 966 V2		0.185	11	21.0	3.53	0.57	-0.15	0.03	0.25	36.4	36.4	0.185	12	0.185	13
312-319L V2A		0.415	11	26.8	-6.86	-1.34	-0.21	-0.12	-0.41	46.5	46.5	0.415	12	0.415	13
401L- 312 V2A		0.393	11	27.3	-6.89	0.55	0.28	-0.06	0.08	47.4	47.4	0.393	12	0.393	13
319L-499L V2D		0.486	11	0.0	-6.16	-1.83	-0.50	0.16	0.34	80.7	80.7	0.486	12	0.486	13
205- 310 V3A		0.016	11	36.5	-0.03	-0.16	-0.35	-0.05	-0.03	69.2	69.2	0.016	12	0.016	13
299L- 119 V4A		0.039	11	66.2	0.45	0.45	0.19	0.16	0.19	70.5	70.5	0.039	12	0.039	13
299L- 181 V4A		0.016	11	74.2	0.18	0.21	-0.02	-0.01	0.05	79.0	79.0	0.016	12	0.016	13
301L-281L V5A		0.042	11	53.8	-0.30	-0.24	-0.53	-0.09	-0.06	82.8	82.8	0.042	12	0.042	13
399L-219L V5B		0.107	11	0.0	1.66	-0.76	0.22	-0.04	0.13	82.8	82.8	0.107	12	0.107	13
2147- 130 V6		0.066	11	21.7	0.31	-0.80	1.15	0.57	-0.36	43.6	43.6	0.066	12	0.066	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/R	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
1031-2147	V7	0.229	11	0.0	3.59	0.56	1.60	-0.28	-0.25	42.2	42.2	0.229	12	0.229	13
2147- 930	V7	0.136	11	0.0	1.65	1.53	-0.50	0.09	-0.59	42.2	42.2	0.136	12	0.136	13
819L-1033	V7	0.103	11	0.0	-0.66	-1.65	-0.88	0.23	0.64	38.1	38.1	0.103	12	0.103	13
966-899L	V8	0.177	11	0.0	-2.51	-0.13	1.42	-1.70	-0.48	24.1	24.1	0.177	12	0.177	13
1039-881L	V8	0.111	11	20.9	-0.59	2.14	-0.46	-1.29	2.85	24.1	24.1	0.111	12	0.111	13
801L-1031	V8	0.250	11	0.0	-2.75	-3.04	-0.25	-0.76	3.72	24.1	24.1	0.250	12	0.250	13
819L- 930	V8	0.118	11	0.0	-0.78	2.06	0.50	-0.22	-2.09	24.1	24.1	0.118	12	0.118	13
1034-801L	V9	0.093	11	19.1	-0.44	1.91	0.03	-0.10	1.27	33.9	33.9	0.093	12	0.093	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP II - UNITY CHECKS GREATER THAN 0.50 AND LESS THAN 1.00

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/R	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
436-481L	H3	0.537	11	9.7	-2.99	10.57	-0.67	-0.18	3.72	19.4	19.4	0.537	12	0.537	13
481L-428	H3	0.594	11	0.0	2.51	12.71	2.31	-1.52	-4.78	13.3	13.3	0.594	12	0.594	13
601L-701L	LG7	0.633	11	0.0	-6.82	1.90	-7.01	20.45	8.83	46.2	46.2	0.633	12	0.633	13
801L-701L	LG8	0.617	11	0.0	-6.82	6.63	-3.94	20.45	-8.83	14.6	14.6	0.617	12	0.617	13
899L-799L	LG8	0.539	11	0.0	-4.37	-3.04	8.05	-15.28	13.50	46.2	46.2	0.539	12	0.539	13
381L-499L	V2B	0.889	11	54.1	-10.14	1.91	0.09	-0.07	0.36	94.0	94.0	0.889	12	0.889	13
381L-401L	V2C	0.711	11	46.5	-9.20	2.03	-0.33	-0.08	0.36	80.8	80.8	0.711	12	0.711	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP III - UNITY CHECKS GREATER THAN 1.00

** NO UNITY CHECKS IN THIS GROUP **

SACS JOINT RESULTS - OPERATING

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	* *** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	STRESSES	IPB	
												SRSS KSI	KSI	OPB KSI		FA KSI	OPB KSI	IPB KSI	
2149	981L	901L	12.75	0.375	36.0	T		12.75	0.375	68.85	11	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					12	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					13	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					14	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					15	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					16	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					17	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
						T					18	4.88	6.41	0.69	0.76	4.69	12.70	14.40	1.415
901L	801L	2149	30.00	0.500	36.0	T		12.75	0.375	34.16	11	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					12	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					13	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					14	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					15	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					16	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					17	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
						T					18	3.71	2.90	0.14	0.27	3.06	5.78	10.17	0.970
405	408	415	14.00	0.375	36.0	X		14.00	0.375	74.27	11	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					12	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					13	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					14	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					15	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					16	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					17	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
						X					18	7.32	-3.12	2.94	0.01	5.49	11.78	14.11	0.729
405	414	462	14.00	0.375	36.0	X		14.00	0.375	74.29	11	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					12	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					13	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					14	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					15	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					16	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					17	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
						X					18	7.08	-3.23	1.72	0.63	5.44	11.78	14.11	0.692
1031	801L	2147	24.00	0.500	36.0	T		14.00	0.375	49.54	11	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					12	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					13	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					14	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					15	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					16	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					17	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
						T					18	3.27	2.05	0.91	0.32	3.55	6.22	11.87	0.672
966	899L	2205	24.00	0.500	36.0	T		16.00	0.375	49.55	11	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					12	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					13	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					14	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					15	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					16	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					17	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603
						T					18	2.89	2.01	0.09	0.32	3.46	5.95	11.58	0.603

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** PUNCHING SHEAR ***			*** UNITY CHECK	
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI	* IPB KSI	ALLOWABLE FA KSI	OPB KSI		IPB KSI
499L	388	381L	35.00	1.000	36.0	T		16.00	0.378	59.36	11	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					12	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					13	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					14	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					15	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					16	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					17	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
						T					18	1.22	-3.30	0.13	0.61	6.30	9.71	14.40	0.551
401L	501L	435	35.00	1.000	36.0	T		14.00	0.375	80.07	11	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					12	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					13	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					14	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					15	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					16	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					17	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
						T					18	2.76	2.44	1.05	1.52	5.44	10.38	14.40	0.543
801L	901L	1031	30.00	0.500	36.0	T		24.00	0.500	24.77	11	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					12	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					13	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					14	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					15	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					16	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					17	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
						T					18	4.09	-1.15	0.10	1.27	2.61	4.85	8.67	0.536
310	319L	399L	12.75	0.362	36.0	X		12.75	0.354	77.39	11	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					12	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					13	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					14	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					15	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					16	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					17	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
						X					18	6.43	-2.88	0.45	0.19	5.81	12.49	14.40	0.520
310	307	308	12.75	0.362	36.0	X		12.75	0.354	77.39	11	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					12	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					13	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					14	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					15	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					16	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					17	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
						X					18	6.40	-2.88	0.32	0.36	5.81	12.49	14.40	0.518
499L	599L	461	35.00	1.000	36.0	T		14.00	0.375	80.07	11	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					12	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					13	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					14	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					15	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					16	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					17	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511
						T					18	1.34	2.41	0.92	0.99	5.47	10.43	14.40	0.511

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	*** SHEAR OPB KSI	*** IPB KSI	UNITY CHECK
401L	309	381L	35.00	1.000	36.0	T		16.00	0.370	51.90	11	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					12	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					13	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					14	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					15	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					16	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					17	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
						T					18	2.67	-2.68	0.20	0.57	5.89	9.67	14.40	0.483
381L	389	499L	35.00	1.000	36.0	T		16.00	0.378	45.22	11	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					12	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					13	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					14	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					15	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					16	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					17	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
						T					18	3.28	-2.72	0.13	0.39	5.89	9.64	14.40	0.481
1035	919L	910	30.00	0.500	36.0	T		10.75	0.375	52.75	11	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					12	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					13	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					14	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					15	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					16	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					17	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
						T					18	3.14	-1.38	0.05	0.84	3.25	6.39	10.86	0.474
981L	1037	2149	30.00	0.500	36.0	T		12.75	0.375	34.69	11	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					12	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					13	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					14	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					15	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					16	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					17	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
						T					18	1.19	-1.24	0.63	0.28	3.13	5.88	10.55	0.465
415	409	425	14.00	0.375	36.0	T		8.63	0.375	52.85	11	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					12	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					13	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					14	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					15	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					16	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					17	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
						T					18	4.58	0.03	4.33	4.47	4.46	7.76	14.40	0.448
381L	389	307	35.00	1.000	36.0	T		12.75	0.362	80.04	11	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					12	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					13	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					14	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					15	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					16	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					17	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432
						T					18	3.28	2.27	0.03	0.57	5.59	10.91	14.40	0.432

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** PUNCHING SHEAR ***			*** UNITY CHECK	
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI	* IPB KSI	ALLOWABLE FA KSI	OPB KSI		IPB KSI
899L	999L	966	30.00	0.500	36.0	T		24.00	0.500	24.77	11	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					12	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					13	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					14	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					15	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					16	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					17	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
						T					18	1.17	-1.05	0.24	0.29	2.69	4.95	9.08	0.428
319L	A002	310	35.00	1.000	36.0	T		12.75	0.362	80.04	11	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					12	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					13	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					14	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					15	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					16	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					17	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
						T					18	2.04	2.27	0.06	0.25	5.63	10.97	14.40	0.415
401L	309	312	35.00	1.000	36.0	T		16.00	0.374	59.36	11	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					12	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					13	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					14	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					15	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					16	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					17	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
						T					18	2.67	-2.22	0.16	0.08	5.52	9.67	14.40	0.413
481L	581L	428	35.00	1.000	36.0	T		14.00	0.375	82.93	11	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					12	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					13	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					14	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					15	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					16	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					17	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
						T					18	2.43	0.93	1.44	4.59	5.45	10.39	14.40	0.397
481L	581L	436	35.00	1.000	36.0	T		14.00	0.375	80.07	11	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					12	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					13	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					14	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					15	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					16	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					17	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
						T					18	2.43	-1.11	0.34	3.90	5.45	10.39	14.40	0.379
999L	899L	2201	30.00	0.500	36.0	T		12.75	0.375	34.69	11	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					12	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					13	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					14	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					15	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					16	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					17	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377
						T					18	2.14	1.03	0.35	0.40	3.11	5.86	10.45	0.377

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE	* IPB	ALLOWABLE	STRESSES	IPB	
												SRSS KSI	KSI	KSI	KSI	KSI	KSI	KSI	
2201	999L	919L	12.75	0.375	36.0	K	2.00	12.75	0.375	68.85	11	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				12	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				13	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				14	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				15	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				16	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				17	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
						K	2.00				18	2.51	1.55	1.12	0.85	5.21	12.93	14.40	0.365
481L	581L	433	35.00	1.000	36.0	T		12.38	0.375	82.93	11	2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357
						T	12				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
						T	13				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
						T	14				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
						T	15				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
						T	16				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
						T	17				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
						T	18				2.43	1.14	0.33	3.48	5.67	11.14	14.40	0.357	
381L	389	401L	35.00	1.000	36.0	T		16.00	0.370	37.75	11	3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339
						T	12				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
						T	13				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
						T	14				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
						T	15				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
						T	16				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
						T	17				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
						T	18				3.28	-2.08	0.11	0.18	6.35	9.64	14.40	0.339	
435	408	430	14.00	0.375	36.0	T		12.00	0.500	52.86	11	6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321
						T	12				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
						T	13				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
						T	14				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
						T	15				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
						T	16				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
						T	17				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
						T	18				6.04	0.48	2.58	1.47	4.29	8.46	14.40	0.321	
499L	388	319L	35.00	1.000	36.0	T		16.00	0.358	51.89	11	1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319
						T	12				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
						T	13				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
						T	14				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
						T	15				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
						T	16				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
						T	17				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
						T	18				1.22	-1.74	0.18	0.32	5.77	9.71	14.40	0.319	
2149	981L	975	12.75	0.375	36.0	K	2.00	10.75	0.375	35.79	11	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				12	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				13	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				14	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				15	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				16	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				17	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316
						K	2.00				18	4.88	-1.44	0.06	1.54	5.82	8.97	14.40	0.316

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** * IPB KSI	*** PUNCHING		SHEAR IPB KSI	*** UNITY CHECK
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI		
319L	A002	312	35.00	1.000	36.0	T		16.00	0.374	45.22	11	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											12	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											13	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											14	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											15	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											16	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											17	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
											18	2.04	-1.82	0.00	0.36	6.31	9.69	14.40	0.305
930	819L	2147	24.00	0.500	36.0	T		14.00	0.375	49.55	11	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											12	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											13	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											14	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											15	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											16	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											17	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
											18	0.91	0.94	0.03	0.73	3.60	6.29	12.15	0.300
441	434	440	12.38	0.375	36.0	T		8.00	0.500	90.00	11	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											12	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											13	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											14	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											15	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											16	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											17	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											18	2.14	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
441	442	440	12.38	0.375	36.0	T		8.00	0.500	90.00	11	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											12	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											13	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											14	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											15	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											16	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											17	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
											18	2.95	-0.71	1.93	0.66	5.13	8.80	14.40	0.282
319L	A002	499L	35.00	1.000	36.0	T		16.00	0.358	37.75	11	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											12	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											13	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											14	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											15	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											16	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											17	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
											18	2.04	-1.35	0.04	0.41	5.35	9.69	14.40	0.271
601L	501L	701L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											12	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											13	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											14	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											15	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											16	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											17	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265
											18	6.71	-0.79	0.73	0.42	3.67	10.55	12.03	0.265

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *				* *** PUNCHING SHEAR ***				UNITY CHECK
												CHORD	FA	BRACE	IPB	* ALLOWABLE	FA	OPB	IPB	
												SRSS KSI	KSI	OPB KSI	KSI	KSI	KSI	KSI	KSI	
1039	881L	2205	24.00	0.500	36.0	T		16.00	0.375	49.54	11	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					12	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					13	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					14	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					15	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					16	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					17	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
						T					18	1.72	0.46	1.19	0.03	3.48	5.99	11.73	0.261	
919L	1035	2201	30.00	0.500	36.0	T		12.75	0.375	34.16	11	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					12	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					13	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					14	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					15	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					16	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					17	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
						T					18	2.40	0.70	0.10	0.39	3.11	5.85	10.42	0.252	
499L	599L	455	35.00	1.000	36.0	K	2.00	14.00	0.375	82.93	11	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				12	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				13	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				14	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				15	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				16	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				17	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
						K	2.00				18	1.34	1.25	1.65	0.34	8.76	10.43	14.40	0.245	
419L	519L	463	35.00	1.000	36.0	T		14.00	0.375	80.07	11	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					12	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					13	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					14	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					15	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					16	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					17	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
						T					18	2.02	-1.14	0.48	0.28	5.46	10.41	14.40	0.241	
436	409	429	14.00	0.375	36.0	T		12.00	0.500	52.85	11	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					12	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					13	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					14	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					15	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					16	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					17	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
						T					18	3.62	-0.12	2.75	0.24	4.22	8.37	14.13	0.241	
423	414	422	6.50	0.237	36.0	T		4.50	0.237	90.00	11	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					12	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					13	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					14	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					15	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					16	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					17	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	
						T					18	2.76	-0.10	1.71	4.27	6.04	10.42	14.40	0.237	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
423	421	422	6.50	0.237	36.0	T		4.50	0.237	90.00	11	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					12	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					13	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					14	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					15	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					16	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					17	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
						T					18	1.14	-0.10	1.71	4.27	6.07	10.46	14.40	0.236
414	460	423	14.00	0.375	36.0	T		6.50	0.237	52.85	11	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					12	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					13	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					14	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					15	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					16	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					17	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
						T					18	6.97	-0.45	1.67	1.77	4.92	9.04	14.40	0.235
2205	1038	966	16.00	0.500	36.0	T		16.00	0.375	24.77	11	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					12	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					13	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					14	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					15	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					16	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					17	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
						T					18	0.95	1.11	0.09	0.10	4.88	13.74	14.40	0.233
401L	501L	434	35.00	1.000	36.0	K	2.00	12.38	0.375	82.93	11	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				12	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				13	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				14	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				15	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				16	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				17	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
						K	2.00				18	2.76	0.74	0.41	3.25	9.06	11.13	14.40	0.228
105	205	119	26.00	0.469	36.0	X		14.00	0.350	90.00	11	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					12	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					13	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					14	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					15	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					16	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					17	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
						X					18	0.02	-0.52	0.01	0.17	2.43	5.66	10.75	0.223
410	411	437	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					12	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					13	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					14	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					15	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					16	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					17	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222
						T					18	1.59	-0.63	1.64	0.48	5.56	9.79	14.40	0.222

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	*** SHEAR OPB KSI	*** IPB KSI	*** UNITY CHECK
410	408	437	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					12	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					13	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					14	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					15	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					16	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					17	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
						T					18	1.22	-0.63	1.64	0.48	5.57	9.80	14.40	0.222
105	205	108	26.00	0.469	36.0	X		14.00	0.350	90.00	11	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					12	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					13	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					14	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					15	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					16	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					17	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
						X					18	0.02	-0.51	0.03	0.12	2.43	5.66	10.75	0.219
425	422	428	8.63	0.375	36.0	T		2.00	0.570	54.41	11	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					12	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					13	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					14	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					15	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					16	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					17	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
						T					18	3.62	-1.51	1.25	0.94	10.14	14.40	14.40	0.218
433	481L	432	12.38	0.375	36.0	T		12.00	0.500	90.00	11	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					12	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					13	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					14	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					15	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					16	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					17	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
						T					18	4.56	-0.63	1.46	0.08	4.65	11.87	14.40	0.213
433	442	432	12.38	0.375	36.0	T		12.00	0.500	90.00	11	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					12	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					13	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					14	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					15	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					16	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					17	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
						T					18	4.36	-0.63	1.46	0.08	4.65	11.89	14.40	0.213
2147	130	1031	14.00	0.500	36.0	T		14.00	0.375	24.77	11	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					12	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					13	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					14	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					15	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					16	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					17	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212
						T					18	1.20	1.13	0.09	0.19	5.56	14.40	14.40	0.212

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	*** SHEAR OPB KSI	*** IPB KSI	UNITY CHECK
399L	384	310	35.00	1.000	36.0	T		12.75	0.354	80.04	11	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					12	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					13	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					14	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					15	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					16	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					17	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
						T					18	1.82	-1.05	0.15	0.42	5.63	10.97	14.40	0.207
301L	A001	308	35.00	1.000	36.0	T		12.75	0.354	80.04	11	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					12	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					13	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					14	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					15	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					16	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					17	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
						T					18	1.15	-1.05	0.16	0.35	5.65	10.99	14.40	0.204
819L	1035	930	30.00	0.500	36.0	T		24.00	0.500	24.77	11	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					12	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					13	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					14	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					15	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					16	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					17	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
						T					18	2.63	-0.33	0.21	0.86	2.66	4.92	8.93	0.190
408	405	410	14.00	0.375	36.0	T		10.75	0.365	52.86	11	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					12	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					13	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					14	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					15	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					16	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					17	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
						T					18	6.74	-0.47	0.97	0.20	4.37	7.81	14.40	0.188
205	105	209	26.00	0.469	36.0	X		12.75	0.339	90.00	11	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					12	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					13	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					14	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					15	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					16	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					17	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
						X					18	0.04	-0.44	0.05	0.03	2.51	5.92	11.01	0.182
428	420	425	14.00	0.375	36.0	T		2.00	0.570	35.59	11	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					12	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					13	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					14	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					15	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					16	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					17	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182
						T					18	6.11	-1.08	0.84	0.38	7.68	14.40	14.40	0.182

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB	KSI	FA	KSI	IPB	KSI
105	205	199	26.00	0.469	36.0	X		14.00	0.375	90.00	11	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					12	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					13	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					14	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					15	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					16	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					17	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
						X					18	0.02	0.52	0.05	0.15	3.19	5.66	10.75	0.175
409	415	411	14.00	0.375	36.0	T		10.75	0.365	52.85	11	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					12	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					13	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					14	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					15	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					16	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					17	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
						T					18	3.83	0.52	0.56	0.69	4.30	7.72	14.37	0.175
301L	A001	381L	35.00	1.000	36.0	T		12.75	0.366	82.93	11	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					12	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					13	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					14	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					15	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					16	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					17	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
						T					18	1.15	0.96	0.28	0.04	6.10	10.99	14.40	0.175
2201	999L	945	12.75	0.375	36.0	K	2.00	10.75	0.375	35.79	11	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				12	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				13	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				14	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				15	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				16	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				17	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
						K	2.00				18	2.51	-0.94	0.11	0.27	5.97	9.13	14.40	0.171
440	431	441	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					12	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					13	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					14	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					15	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					16	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					17	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
						X					18	0.26	-0.53	1.40	0.56	5.71	12.02	14.40	0.171
421	459	423	14.00	0.375	36.0	T		6.50	0.237	90.00	11	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					12	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					13	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					14	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					15	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					16	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					17	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					18	4.78	-0.50	0.76	0.69	4.79	8.87	14.40	0.168

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** PUNCHING SHEAR ***			UNITY CHECK	
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI	* IPB KSI	ALLOWABLE FA KSI	OPB KSI		IPB KSI
421	458	423	14.00	0.375	36.0	T		6.50	0.237	90.00	11	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					12	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					13	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					14	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					15	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					16	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					17	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
						T					18	4.77	-0.50	0.76	0.69	4.79	8.87	14.40	0.168
105	205	109	26.00	0.469	36.0	X		14.00	0.375	90.00	11	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					12	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					13	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					14	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					15	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					16	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					17	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
						X					18	0.02	0.52	0.03	0.03	3.19	5.66	10.75	0.167
881L	1037	1039	30.00	0.500	36.0	T		24.00	0.500	24.77	11	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					12	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					13	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					14	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					15	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					16	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					17	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
						T					18	2.63	-0.25	0.19	0.90	2.66	4.92	8.93	0.161
699L	599L	799L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					12	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					13	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					14	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					15	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					16	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					17	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
						T					18	4.10	-0.51	0.33	0.35	3.82	10.83	12.74	0.159
399L	384	381L	35.00	1.000	36.0	T		14.00	0.362	82.93	11	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					12	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					13	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					14	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					15	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					16	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					17	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
						T					18	1.82	0.69	0.13	0.54	5.47	10.41	14.40	0.151
438	429	439	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					12	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					13	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					14	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					15	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					16	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					17	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138
						X					18	0.09	0.27	1.85	0.14	7.00	12.02	14.40	0.138

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** * IPB KSI	*** PUNCHING ALLOWABLE FA KSI		SHEAR STRESSES OPB KSI		*** UNITY CHECK
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI		FA KSI	OPB KSI	IPB KSI		
437	430	410	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					12	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					13	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					14	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					15	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					16	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					17	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
						X					18	0.16	-0.45	0.86	0.53	5.51	12.02	14.40	0.134	
301L	A001	319L	35.00	1.000	36.0	T		14.00	0.362	82.93	11	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					12	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					13	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					14	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					15	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					16	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					17	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
						T					18	1.15	0.71	0.06	0.25	5.96	10.43	14.40	0.130	
437	430	440	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					12	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					13	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					14	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					15	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					16	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					17	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
						X					18	0.16	-0.40	1.00	0.23	5.31	12.02	14.40	0.130	
205	105	299L	26.00	0.469	36.0	X		12.75	0.358	90.00	11	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					12	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					13	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					14	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					15	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					16	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					17	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
						X					18	0.04	-0.30	0.06	0.09	2.51	5.92	11.01	0.127	
801L	901L	1034	30.00	0.500	36.0	T		16.00	0.688	19.09	11	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					12	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					13	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					14	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					15	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					16	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					17	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
						T					18	4.09	-0.20	0.01	0.86	2.85	5.13	9.47	0.127	
422	425	423	8.63	0.375	36.0	T		4.50	0.237	90.00	11	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					12	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					13	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					14	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					15	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					16	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					17	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	
						T					18	2.56	-0.06	0.08	2.65	7.70	13.80	14.40	0.126	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** ALLOWABLE		PUNCHING STRESSES		SHEAR IPB KSI	*** UNITY CHECK
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI		FA KSI	OPB KSI				
422	420	423	8.63	0.375	36.0	T			4.50	0.237	90.00	11	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						12	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						13	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						14	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						15	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						16	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						17	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
						T						18	1.97	-0.06	0.08	2.65	7.72	13.82	14.40	0.126	
381L	389	301L	35.00	1.000	36.0	K	2.02	12.75	0.366	82.93	11	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					12	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					13	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					14	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					15	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					16	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					17	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
						K					18	3.28	0.96	0.27	0.02	8.92	10.91	14.40	0.124		
440	431	437	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					12	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					13	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					14	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					15	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					16	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					17	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
						X					18	0.26	-0.41	0.76	0.05	5.31	12.02	14.40	0.117		
439	432	442	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					12	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					13	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					14	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					15	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					16	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					17	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
						X					18	0.29	0.07	2.01	0.12	7.00	12.02	14.40	0.116		
2147	130	930	14.00	0.500	36.0	T		14.00	0.375	24.77	11	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					12	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					13	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					14	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					15	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					16	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					17	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
						T					18	1.20	0.52	0.16	0.48	5.56	14.40	14.40	0.116		
429	436	432	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					12	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					13	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					14	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					15	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					16	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					17	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		
						T					18	1.82	-0.26	1.69	0.20	6.48	14.40	14.40	0.115		

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** ALLOWABLE FA KSI	PUNCHING STRESSES OPB KSI	SHEAR IPB KSI	*** UNITY CHECK
429	438	432	12.00	0.500	36.0	T		12.00	0.500	90.00	11	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					12	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					13	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					14	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					15	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					16	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					17	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
						T					18	0.96	-0.26	1.69	0.20	6.50	14.40	14.40	0.115
438	429	411	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					12	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					13	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					14	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					15	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					16	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					17	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
						X					18	0.09	0.23	1.47	0.33	7.00	12.02	14.40	0.113
619L	519L	719L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					12	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					13	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					14	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					15	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					16	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					17	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
						T					18	2.62	-0.38	0.16	0.19	3.87	10.93	13.00	0.111
399L	299L	219L	35.00	1.000	36.0	T		18.00	0.350	58.16	11	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					12	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					13	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					14	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					15	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					16	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					17	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
						T					18	1.75	0.49	0.03	0.23	5.09	9.14	14.40	0.108
381L	389	399L	35.00	1.000	36.0	K	2.00	14.00	0.362	82.93	11	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				12	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				13	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				14	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				15	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				16	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				17	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
						K	2.00				18	3.28	0.69	0.05	0.64	8.67	10.35	14.40	0.107
205	105	119	26.00	0.469	36.0	T		26.00	0.425	47.24	11	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					12	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					13	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					14	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					15	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					16	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					17	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107
						T					18	0.04	0.28	0.07	0.22	3.03	7.93	9.50	0.107

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* *** PUNCHING SHEAR ***			*** UNITY CHECK	
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI	* IPB KSI	ALLOWABLE FA KSI	OPB KSI		IPB KSI
681L	581L	781L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098
						T	12				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
						T	13				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
						T	14				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
						T	15				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
						T	16				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
						T	17				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
						T	18				6.17	-0.15	0.53	0.89	3.71	10.62	12.20	0.098	
319L	A002	301L	35.00	1.000	36.0	K	2.01	14.00	0.362	82.93	11	2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095
						K	12				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
						K	13				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
						K	14				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
						K	15				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
						K	16				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
						K	17				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
						K	18				2.04	0.71	0.10	0.30	8.73	10.41	14.40	0.095	
420	428	422	14.00	0.375	36.0	T		8.63	0.375	90.00	11	5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092
						T	12				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
						T	13				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
						T	14				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
						T	15				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
						T	16				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
						T	17				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
						T	18				5.62	0.17	0.18	1.13	4.41	7.69	14.40	0.092	
420	459	422	14.00	0.375	36.0	T		8.63	0.375	90.00	11	5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091
						T	12				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
						T	13				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
						T	14				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
						T	15				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
						T	16				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
						T	17				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
						T	18				5.37	0.17	0.18	1.13	4.42	7.71	14.40	0.091	
819L	1035	1033	30.00	0.500	36.0	T		14.00	0.375	19.09	11	2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089
						T	12				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
						T	13				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
						T	14				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
						T	15				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
						T	16				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
						T	17				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
						T	18				2.63	-0.16	0.22	0.40	3.02	5.56	10.10	0.089	
399L	299L	281L	35.00	1.000	36.0	T		26.00	0.500	64.58	11	1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086
						T	12				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	
						T	13				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	
						T	14				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	
						T	15				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	
						T	16				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	
						T	17				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	
						T	18				1.75	0.26	0.34	0.34	4.68	8.23	14.40	0.086	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** * IPB KSI	*** PUNCHING ALLOWABLE FA KSI		SHEAR STRESSES OPB KSI		*** UNITY CHECK
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI		FA KSI	OPB KSI	IPB KSI		
442	433	439	12.38	0.375	36.0	T		8.00	0.500	90.00	11	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					12	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					13	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					14	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					15	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					16	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					17	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					18	3.03	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
442	441	439	12.38	0.375	36.0	T		8.00	0.500	90.00	11	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					12	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					13	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					14	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					15	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					16	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					17	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
						T					18	3.23	0.09	0.92	0.31	5.13	8.80	14.40	0.085	
205	105	199	26.00	0.469	36.0	X		26.00	0.469	47.24	11	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					12	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					13	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					14	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					15	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					16	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					17	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
						X					18	0.04	-0.26	0.02	0.15	3.54	7.93	9.50	0.085	
411	409	438	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					12	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					13	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					14	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					15	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					16	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					17	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					18	1.10	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
411	410	438	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					12	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					13	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					14	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					15	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					16	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					17	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
						T					18	1.05	0.33	0.00	0.40	5.57	9.80	14.40	0.076	
430	435	431	12.00	0.500	36.0	T		12.00	0.500	90.00	11	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					12	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					13	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					14	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					15	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					16	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					17	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	
						T					18	3.32	0.32	0.14	0.58	6.44	14.40	14.40	0.075	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
430	437	431	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					12	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					13	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					14	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					15	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					16	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					17	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
						T					18	1.03	0.32	0.14	0.58	6.49	14.40	14.40	0.075
419L	519L	401L	35.00	1.000	36.0	T		14.00	0.375	82.93	11	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					12	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					13	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					14	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					15	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					16	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					17	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
						T					18	2.02	0.24	0.47	0.29	5.46	10.41	14.40	0.075
434	441	431	12.38	0.375	36.0	T		12.00	0.500	90.00	11	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					12	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					13	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					14	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					15	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					16	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					17	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
						T					18	3.32	0.23	0.10	0.53	4.69	11.96	14.40	0.074
434	401L	431	12.38	0.375	36.0	T		12.00	0.500	90.00	11	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					12	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					13	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					14	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					15	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					16	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					17	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
						T					18	2.90	0.23	0.10	0.53	4.71	11.99	14.40	0.073
419L	519L	499L	35.00	1.000	36.0	T		12.38	0.375	82.93	11	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					12	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					13	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					14	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					15	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					16	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					17	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
						T					18	2.02	0.37	0.07	0.04	5.68	11.16	14.40	0.069
439	432	438	12.00	0.500	36.0	T		8.00	0.500	90.00	11	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					12	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					13	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					14	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					15	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					16	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					17	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066
						T					18	0.29	0.28	0.51	0.02	7.00	12.02	14.40	0.066

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
2205	1038	1039	16.00	0.500	36.0	T		16.00	0.375	24.77	11	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					12	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					13	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					14	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					15	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					16	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					17	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
						T					18	0.95	0.26	0.21	0.08	4.88	13.74	14.40	0.063
401L	501L	419L	35.00	1.000	36.0	K	2.00	14.00	0.375	82.93	11	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				12	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				13	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				14	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				15	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				16	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				17	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
						K	2.00				18	2.76	0.24	0.48	0.44	8.70	10.38	14.40	0.062
205	105	181	26.00	0.469	36.0	T		26.00	0.457	47.24	11	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					12	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					13	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					14	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					15	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					16	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					17	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
						T					18	0.04	0.15	0.06	0.10	2.81	7.93	9.50	0.061
219L	319L	399L	35.00	1.000	36.0	K	2.00	18.00	0.350	44.02	11	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				12	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				13	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				14	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				15	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				16	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				17	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
						K	2.00				18	1.82	0.40	0.00	0.07	7.19	9.14	14.40	0.059
205	105	208	26.00	0.469	36.0	X		12.75	0.354	90.00	11	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					12	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					13	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					14	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					15	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					16	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					17	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
						X					18	0.04	0.17	0.03	0.01	3.26	5.92	11.01	0.056
205	105	101	26.00	0.469	36.0	X		26.00	0.413	47.24	11	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					12	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					13	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					14	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					15	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					16	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					17	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054
						X					18	0.04	-0.18	0.02	0.01	3.50	7.93	9.50	0.054

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				* *** PUNCHING SHEAR ***				*** UNITY CHECK
												CHORD	FA	BRACE	IPB	* ALLOWABLE	FA	OPB	IPB	
												SRSS KSI	KSI	OPB KSI	KSI	KSI	KSI	KSI	KSI	
499L	599L	419L	35.00	1.000	36.0	K	2.01	12.38	0.375	82.93	11	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				12	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				13	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				14	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				15	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				16	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				17	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
						K	2.01				18	1.34	0.37	0.18	0.22	9.11	11.18	14.40	0.054	
881L	1037	1041	30.00	0.500	36.0	T		16.00	0.375	19.09	11	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					12	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					13	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					14	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					15	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					16	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					17	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
						T					18	2.63	-0.06	0.17	0.41	2.91	5.20	9.75	0.053	
281L	381L	399L	35.00	1.000	36.0	T		26.00	0.500	50.44	11	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					12	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					13	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					14	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					15	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					16	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					17	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
						T					18	1.88	0.22	0.13	0.01	5.90	8.23	14.40	0.048	
432	429	439	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					12	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					13	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					14	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					15	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					16	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					17	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					18	1.51	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
432	433	439	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					12	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					13	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					14	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					15	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					16	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					17	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
						T					18	1.11	-0.11	0.60	0.10	6.49	14.40	14.40	0.043	
219L	319L	299L	35.00	1.000	36.0	K	2.00	16.00	0.358	82.93	11	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				12	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				13	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				14	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				15	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				16	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				17	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	
						K	2.00				18	1.82	-0.31	0.06	0.04	8.40	9.70	14.40	0.042	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR ***			
												CHORD	FA	BRACE	IPB	* ALLOWABLE	OPB	IPB	UNITY CHECK
												SRSS KSI	KSI	KSI	KSI	KSI	KSI	KSI	
299L	399L	219L	35.00	1.000	36.0	K	2.01	16.00	0.358	82.93	11	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				12	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				13	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				14	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				15	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				16	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				17	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
						K	2.01				18	0.59	-0.31	0.05	0.02	8.37	9.72	14.40	0.041
307	310	308	12.75	0.362	36.0	T		10.75	0.358	51.31	11	6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041
						T	12				6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041	
						T	13				6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041	
						T	14				6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041	
						T	15				6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041	
						T	16				6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041	
						T	17				6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041	
T	18	6.33	0.03	0.32	0.54	4.56	8.82	14.40	0.041										
399L	384	319L	35.00	1.000	36.0	T		12.75	0.366	82.93	11	1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040
						T	12				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
						T	13				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
						T	14				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
						T	15				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
						T	16				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
						T	17				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
						T	18				1.82	0.06	0.02	0.67	5.63	10.97	14.40	0.040	
308	310	307	12.75	0.354	36.0	T		10.75	0.358	51.31	11	3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040
						T	12				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
						T	13				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
						T	14				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
						T	15				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
						T	16				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
						T	17				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
						T	18				3.14	0.03	0.22	0.63	4.40	8.55	14.40	0.040	
431	434	440	12.00	0.500	36.0	T		12.00	0.500	90.00	11	0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039
						T	12				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	13				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	14				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	15				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	16				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	17				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	18				0.57	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
431	430	440	12.00	0.500	36.0	T		12.00	0.500	90.00	11	0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039
						T	12				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	13				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	14				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	15				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	16				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	17				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	
						T	18				0.49	-0.12	0.47	0.11	6.50	14.40	14.40	0.039	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR UNITY CHECK			
												CHORD	FA	BRACE	ALLOWABLE				
												SRSS KSI	FA KSI	OPB KSI	IPB KSI	FA KSI	OPB KSI	IPB KSI	
319L	A002	399L	35.00	1.000	36.0	K	2.01	12.75	0.366	82.93	11	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				12	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				13	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				14	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				15	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				16	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				17	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
						K	2.01				18	2.04	0.06	0.02	0.71	9.00	10.97	14.40	0.038
201L	301L	209	35.00	1.000	36.0	T		12.75	0.339	80.02	11	0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038
						T	12				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
						T	13				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
						T	14				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
						T	15				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
						T	16				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
						T	17				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
						T	18				0.70	-0.21	0.02	0.01	5.65	11.00	14.40	0.038	
181	281L	108	35.00	1.000	36.0	T		14.00	0.350	80.00	11	1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038
						T	12				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
						T	13				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
						T	14				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
						T	15				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
						T	16				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
						T	17				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
						T	18				1.22	-0.24	0.02	0.07	6.96	10.43	14.40	0.038	
299L	199	119	35.00	1.000	36.0	K	2.01	26.00	0.492	59.01	11	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				12	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				13	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				14	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				15	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				16	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				17	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
						K	2.01				18	0.52	0.19	0.14	0.04	7.51	8.25	14.40	0.036
119	219L	299L	35.00	1.000	36.0	T		26.00	0.492	44.87	11	1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035
						T	12				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
						T	13				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
						T	14				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
						T	15				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
						T	16				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
						T	17				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
						T	18				1.35	0.16	0.09	0.14	6.01	8.24	14.40	0.035	
199	299L	105	35.00	1.000	36.0	K	2.01	14.00	0.375	80.00	11	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				12	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				13	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				14	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				15	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				16	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				17	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035
						K	2.01				18	0.43	0.24	0.03	0.10	8.07	10.44	14.40	0.035

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				* *** PUNCHING SHEAR ***				*** UNITY CHECK
												CHORD	FA	BRACE	IPB	* ALLOWABLE	FA	OPB	IPB	
												SRSS KSI	KSI	OPB KSI	KSI	KSI	KSI	KSI	KSI	
101	201L	109	35.00	1.000	36.0	K	2.00	14.00	0.375	80.00	11	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				12	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				13	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				14	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				15	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				16	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				17	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
						K	2.00				18	0.59	0.24	0.01	0.02	7.29	10.44	14.40	0.034	
119	219L	105	35.00	1.000	36.0	K	2.00	14.00	0.350	80.00	11	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				12	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				13	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				14	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				15	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				16	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				17	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
						K	2.00				18	1.35	-0.24	0.01	0.12	8.23	10.43	14.40	0.034	
310	307	205	12.75	0.362	36.0	T		12.00	0.378	90.00	11	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					12	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					13	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					14	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					15	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					16	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					17	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					18	6.40	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
310	319L	205	12.75	0.362	36.0	T		12.00	0.378	90.00	11	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					12	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					13	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					14	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					15	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					16	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					17	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
						T					18	6.43	-0.04	0.36	0.18	4.47	10.47	14.40	0.031	
205	105	219L	26.00	0.469	36.0	K	2.00	12.75	0.358	90.00	11	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				12	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				13	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				14	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				15	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				16	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				17	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
						K	2.00				18	0.04	-0.09	0.01	0.22	4.87	5.92	11.01	0.031	
199	299L	119	35.00	1.000	36.0	T		18.00	0.331	82.93	11	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					12	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					13	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					14	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					15	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					16	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					17	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	
						T					18	0.43	-0.11	0.07	0.17	5.10	9.16	14.40	0.030	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS KSI	KSI	OPB KSI		FA KSI	OPB KSI	IPB KSI	
299L	399L	205	35.00	1.000	36.0	T		12.75	0.358	80.02	11	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					12	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					13	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					14	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					15	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					16	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					17	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
						T					18	0.59	-0.14	0.05	0.10	5.65	11.00	14.40	0.029
312	401L	309	16.00	0.374	36.0	T		8.00	0.366	37.55	11	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					12	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					13	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					14	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					15	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					16	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					17	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
						T					18	6.92	0.05	0.17	0.01	3.93	7.25	12.79	0.028
201L	101	119	35.00	1.000	36.0	T		26.00	0.488	63.92	11	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					12	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					13	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					14	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					15	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					16	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					17	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
						T					18	0.73	0.10	0.07	0.07	4.69	8.25	14.40	0.027
281L	381L	299L	35.00	1.000	36.0	K	2.00	18.00	0.358	82.93	11	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				12	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				13	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				14	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				15	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				16	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				17	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
						K	2.00				18	1.88	-0.14	0.04	0.14	8.14	9.14	14.40	0.024
299L	399L	281L	35.00	1.000	36.0	K	2.00	18.00	0.358	82.93	11	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				12	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				13	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				14	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				15	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				16	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				17	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
						K	2.00				18	0.59	-0.14	0.02	0.09	7.61	9.16	14.40	0.023
1037	981L	984	30.00	0.500	36.0	T		10.75	0.375	31.94	11	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					12	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					13	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					14	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					15	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					16	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					17	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023
						T					18	0.06	-0.02	0.16	0.05	3.32	6.48	11.18	0.023

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
												KSI	KSI	KSI	KSI	KSI	KSI	KSI	
119	219L	199	35.00	1.000	36.0	K	2.00	18.00	0.331	82.93	11	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				12	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				13	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				14	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				15	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				16	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				17	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
						K	2.00				18	1.35	-0.11	0.07	0.19	8.15	9.15	14.40	0.022
201L	301L	281L	35.00	1.000	36.0	T		16.00	0.339	82.93	11	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					12	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					13	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					14	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					15	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					16	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					17	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
						T					18	0.70	0.10	0.05	0.03	5.27	9.72	14.40	0.022
119	219L	205	35.00	1.000	36.0	K	2.00	26.00	0.425	37.25	11	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				12	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				13	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				14	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				15	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				16	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				17	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
						K	2.00				18	1.35	0.11	0.05	0.11	7.49	8.24	14.40	0.021
281L	381L	208	35.00	1.000	36.0	T		12.75	0.354	80.02	11	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					12	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					13	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					14	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					15	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					16	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					17	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
						T					18	1.88	0.08	0.08	0.09	5.63	10.97	14.40	0.020
119	219L	201L	35.00	1.000	36.0	K	2.01	26.00	0.488	49.77	11	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				12	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				13	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				14	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				15	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				16	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				17	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
						K	2.01				18	1.35	0.08	0.08	0.05	6.18	8.24	14.40	0.020
219L	319L	301L	35.00	1.000	36.0	T		26.00	0.496	50.44	11	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					12	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					13	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					14	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					15	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					16	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					17	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019
						T					18	1.82	-0.05	0.14	0.06	5.53	8.23	14.40	0.019

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR ***				*** UNITY CHECK
												CHORD	FA	BRACE	IPB	* ALLOWABLE	OPB	IPB	UNITY	
												SRSS KSI	KSI	KSI	KSI	KSI	KSI	KSI		
281L	381L	301L	35.00	1.000	36.0	K	2.01	18.00	0.358	44.02	11	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				12	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				13	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				14	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				15	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				16	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				17	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
						K	2.01				18	1.88	-0.07	0.14	0.04	8.13	9.14	14.40	0.019	
281L	381L	201L	35.00	1.000	36.0	K	2.01	16.00	0.339	82.93	11	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				12	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				13	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				14	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				15	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				16	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				17	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
						K	2.01				18	1.88	0.10	0.10	0.01	7.88	9.70	14.40	0.019	
301L	201L	219L	35.00	1.000	36.0	K	2.00	26.00	0.496	64.58	11	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				12	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				13	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				14	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				15	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				16	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				17	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
						K	2.00				18	1.03	-0.05	0.01	0.25	7.50	8.25	14.40	0.018	
199	299L	205	35.00	1.000	36.0	K	2.01	26.00	0.469	37.25	11	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				12	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				13	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				14	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				15	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				16	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				17	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
						K	2.01				18	0.43	-0.10	0.01	0.09	7.50	8.25	14.40	0.018	
301L	201L	281L	35.00	1.000	36.0	K	2.00	18.00	0.358	58.16	11	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				12	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				13	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				14	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				15	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				16	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				17	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
						K	2.00				18	1.03	-0.09	0.06	0.07	8.16	9.16	14.40	0.016	
181	281L	299L	35.00	1.000	36.0	T		26.00	0.492	49.77	11	1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016	
						T	12				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		
						T	13				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		
						T	14				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		
						T	15				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		
						T	16				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		
						T	17				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		
						T	18				1.22	0.07	0.02	0.08	5.71	8.24	14.40	0.016		

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
899L	999L	1042	30.00	0.500	36.0	T		16.00	0.375	19.09	11	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					12	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					13	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					14	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					15	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					16	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					17	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
						T					18	1.17	-0.02	0.04	0.11	2.94	5.24	9.91	0.015
181	281L	199	35.00	1.000	36.0	K	2.00	26.00	0.500	82.93	11	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				12	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				13	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				14	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				15	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				16	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				17	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
						K	2.00				18	1.22	-0.02	0.07	0.21	7.50	8.24	14.40	0.014
309	401L	312	35.00	1.000	36.0	T		8.00	0.366	83.09	11	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					12	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					13	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					14	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					15	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					16	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					17	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
						T					18	1.55	0.03	0.04	0.20	6.75	14.40	14.40	0.014
199	299L	181	35.00	1.000	36.0	T		26.00	0.500	82.93	11	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					12	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					13	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					14	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					15	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					16	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					17	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
						T					18	0.43	-0.02	0.02	0.16	4.69	8.25	14.40	0.012
101	201L	119	35.00	1.000	36.0	T		26.00	0.484	82.93	11	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					12	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					13	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					14	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					15	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					16	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					17	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
						T					18	0.59	-0.04	0.03	0.04	4.69	8.25	14.40	0.012
299L	199	181	35.00	1.000	36.0	K	2.00	26.00	0.492	63.91	11	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				12	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				13	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				14	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				15	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				16	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				17	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012
						K	2.00				18	0.52	0.08	0.01	0.01	7.51	8.25	14.40	0.012

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR ***			UNITY CHECK
												CHORD	FA	BRACE	IPB	* ALLOWABLE	OPB	IPB	
												SRSS KSI	KSI	KSI	KSI	KSI	KSI	KSI	
181	281L	205	35.00	1.000	36.0	K	2.00	26.00	0.457	37.25	11	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				12	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				13	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				14	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				15	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				16	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				17	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
						K	2.00				18	1.22	0.06	0.04	0.06	7.50	8.24	14.40	0.012
101	201L	205	35.00	1.000	36.0	K	2.00	26.00	0.413	37.25	11	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				12	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				13	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				14	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				15	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				16	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				17	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
						K	2.00				18	0.59	-0.07	0.02	0.02	7.51	8.25	14.40	0.011
219L	319L	205	35.00	1.000	36.0	T		12.75	0.358	80.02	11	1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010
						T	12				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
						T	13				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
						T	14				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
						T	15				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
						T	16				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
						T	17				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
						T	18				1.82	-0.04	0.03	0.06	5.63	10.97	14.40	0.010	
119	219L	101	35.00	1.000	36.0	K	2.01	26.00	0.484	82.93	11	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				12	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				13	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				14	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				15	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				16	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				17	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
						K	2.01				18	1.35	-0.04	0.02	0.07	7.49	8.24	14.40	0.009
201L	301L	219L	35.00	1.000	36.0	T		18.00	0.354	82.93	11	0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008
						T	12				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
						T	13				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
						T	14				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
						T	15				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
						T	16				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
						T	17				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
						T	18				0.70	0.02	0.01	0.10	5.10	9.16	14.40	0.008	
219L	319L	201L	35.00	1.000	36.0	K	2.01	18.00	0.354	82.93	11	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				12	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				13	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				14	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				15	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				16	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				17	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007
						K	2.01				18	1.82	0.02	0.04	0.09	8.13	9.14	14.40	0.007

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
108	105	109	14.00	0.350	36.0	T		10.75	0.365	49.35	11	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					12	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					13	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					14	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					15	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					16	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					17	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
						T					18	0.69	0.00	0.06	0.10	4.08	7.29	13.76	0.007
109	105	108	14.00	0.375	36.0	T		10.75	0.365	49.34	11	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					12	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					13	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					14	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					15	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					16	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					17	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
						T					18	0.65	0.00	0.00	0.10	4.37	7.81	14.40	0.004
209	205	208	12.75	0.339	36.0	T		10.75	0.365	50.24	11	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					12	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					13	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					14	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					15	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					16	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					17	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
						T					18	0.61	-0.01	0.02	0.05	4.26	8.25	14.39	0.004
208	205	209	12.75	0.354	36.0	T		10.75	0.365	50.25	11	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					12	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					13	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					14	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					15	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					16	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					17	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004
						T					18	0.25	-0.01	0.02	0.05	4.46	8.62	14.40	0.004

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* * J O I N T C A N S U M M A R Y * *

(UNITY CHECK ORDER)

***** ORIGINAL ***** DESIGN *****

JOINT	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC
2149	12.750	0.375	36.000	1.415	12.750	0.375	36.000	1.415
901L	30.000	0.500	36.000	0.970	30.000	0.500	36.000	0.970
405	14.000	0.375	36.000	0.729	14.000	0.375	36.000	0.729
1031	24.000	0.500	36.000	0.672	24.000	0.500	36.000	0.672
966	24.000	0.500	36.000	0.603	24.000	0.500	36.000	0.603
499L	35.000	1.000	36.000	0.551	35.000	1.000	36.000	0.551
401L	35.000	1.000	36.000	0.543	35.000	1.000	36.000	0.543
801L	30.000	0.500	36.000	0.536	30.000	0.500	36.000	0.536
310	12.750	0.362	36.000	0.520	12.750	0.362	36.000	0.520
381L	35.000	1.000	36.000	0.481	35.000	1.000	36.000	0.481
1035	30.000	0.500	36.000	0.474	30.000	0.500	36.000	0.474
981L	30.000	0.500	36.000	0.465	30.000	0.500	36.000	0.465
415	14.000	0.375	36.000	0.448	14.000	0.375	36.000	0.448
899L	30.000	0.500	36.000	0.428	30.000	0.500	36.000	0.428
319L	35.000	1.000	36.000	0.415	35.000	1.000	36.000	0.415
481L	35.000	1.000	36.000	0.397	35.000	1.000	36.000	0.397
999L	30.000	0.500	36.000	0.377	30.000	0.500	36.000	0.377
2201	12.750	0.375	36.000	0.365	12.750	0.375	36.000	0.365
435	14.000	0.375	36.000	0.321	14.000	0.375	36.000	0.321
930	24.000	0.500	36.000	0.300	24.000	0.500	36.000	0.300
441	12.375	0.375	36.000	0.282	12.375	0.375	36.000	0.282
601L	30.000	0.750	36.000	0.265	30.000	0.750	36.000	0.265
1039	24.000	0.500	36.000	0.261	24.000	0.500	36.000	0.261
919L	30.000	0.500	36.000	0.252	30.000	0.500	36.000	0.252
419L	35.000	1.000	36.000	0.241	35.000	1.000	36.000	0.241
436	14.000	0.375	36.000	0.241	14.000	0.375	36.000	0.241
423	6.500	0.237	36.000	0.237	6.500	0.237	36.000	0.237
414	14.000	0.375	36.000	0.235	14.000	0.375	36.000	0.235
2205	16.000	0.500	36.000	0.233	16.000	0.500	36.000	0.233
105	26.000	0.469	36.000	0.223	26.000	0.469	36.000	0.223
410	10.750	0.365	36.000	0.222	10.750	0.365	36.000	0.222
425	8.625	0.375	36.000	0.218	8.625	0.375	36.000	0.218
433	12.375	0.375	36.000	0.213	12.375	0.375	36.000	0.213
2147	14.000	0.500	36.000	0.212	14.000	0.500	36.000	0.212
399L	35.000	1.000	36.000	0.207	35.000	1.000	36.000	0.207
301L	35.000	1.000	36.000	0.204	35.000	1.000	36.000	0.204
819L	30.000	0.500	36.000	0.190	30.000	0.500	36.000	0.190
408	14.000	0.375	36.000	0.188	14.000	0.375	36.000	0.188
205	26.000	0.469	36.000	0.182	26.000	0.469	36.000	0.182
428	14.000	0.375	36.000	0.182	14.000	0.375	36.000	0.182
409	14.000	0.375	36.000	0.175	14.000	0.375	36.000	0.175
440	12.000	0.500	36.000	0.171	12.000	0.500	36.000	0.171
421	14.000	0.375	36.000	0.168	14.000	0.375	36.000	0.168
881L	30.000	0.500	36.000	0.161	30.000	0.500	36.000	0.161
699L	30.000	0.750	36.000	0.159	30.000	0.750	36.000	0.159
438	12.000	0.500	36.000	0.138	12.000	0.500	36.000	0.138
437	12.000	0.500	36.000	0.134	12.000	0.500	36.000	0.134
422	8.625	0.375	36.000	0.126	8.625	0.375	36.000	0.126
439	12.000	0.500	36.000	0.116	12.000	0.500	36.000	0.116
429	12.000	0.500	36.000	0.115	12.000	0.500	36.000	0.115

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* * J O I N T C A N S U M M A R Y * *

(UNITY CHECK ORDER)

***** ORIGINAL ***** DESIGN *****

JOINT	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC
619L	30.000	0.750	36.000	0.111	30.000	0.750	36.000	0.111
681L	30.000	0.750	36.000	0.098	30.000	0.750	36.000	0.098
420	14.000	0.375	36.000	0.092	14.000	0.375	36.000	0.092
442	12.375	0.375	36.000	0.085	12.375	0.375	36.000	0.085
411	10.750	0.365	36.000	0.076	10.750	0.365	36.000	0.076
430	12.000	0.500	36.000	0.075	12.000	0.500	36.000	0.075
434	12.375	0.375	36.000	0.074	12.375	0.375	36.000	0.074
219L	35.000	1.000	36.000	0.059	35.000	1.000	36.000	0.059
281L	35.000	1.000	36.000	0.048	35.000	1.000	36.000	0.048
432	12.000	0.500	36.000	0.043	12.000	0.500	36.000	0.043
299L	35.000	1.000	36.000	0.041	35.000	1.000	36.000	0.041
307	12.750	0.362	36.000	0.041	12.750	0.362	36.000	0.041
308	12.750	0.354	36.000	0.040	12.750	0.354	36.000	0.040
431	12.000	0.500	36.000	0.039	12.000	0.500	36.000	0.039
201L	35.000	1.000	36.000	0.038	35.000	1.000	36.000	0.038
181	35.000	1.000	36.000	0.038	35.000	1.000	36.000	0.038
119	35.000	1.000	36.000	0.035	35.000	1.000	36.000	0.035
199	35.000	1.000	36.000	0.035	35.000	1.000	36.000	0.035
101	35.000	1.000	36.000	0.034	35.000	1.000	36.000	0.034
312	16.000	0.374	36.000	0.028	16.000	0.374	36.000	0.028
1037	30.000	0.500	36.000	0.023	30.000	0.500	36.000	0.023
309	35.000	1.000	36.000	0.014	35.000	1.000	36.000	0.014
108	14.000	0.350	36.000	0.007	14.000	0.350	36.000	0.007
109	14.000	0.375	36.000	0.004	14.000	0.375	36.000	0.004
209	12.750	0.339	36.000	0.004	12.750	0.339	36.000	0.004
208	12.750	0.354	36.000	0.004	12.750	0.354	36.000	0.004

SACS MEMBER RESULTS - STORM

112-A007 CN1	0.022	11	30.0	0.00	-0.71	-0.38	-0.48	-1.35	23.3	23.3	0.022	12	0.022	13
113-5022 CN1	0.048	11	118.0	0.00	1.64	-0.53	-0.50	1.19	91.5	91.5	0.048	12	0.048	13
113-A003 CN1	0.021	11	30.0	0.00	-0.62	-0.41	-0.50	-1.19	23.3	23.3	0.021	12	0.021	13
5000-5011 CN1	0.113	11	21.7	0.00	4.01	0.61	2.20	14.42	16.8	16.8	0.113	12	0.113	13
5002-5013 CN1	0.055	11	21.7	0.00	1.84	0.71	2.57	6.63	16.8	16.8	0.055	12	0.055	13
5003-5014 CN1	0.113	11	21.7	0.00	3.98	0.76	2.75	14.32	16.8	16.8	0.113	12	0.113	13
5005-5016 CN1	0.054	11	21.7	0.00	1.78	0.79	2.84	6.42	16.8	16.8	0.054	12	0.054	13
5009-5007 CN1	0.021	11	0.0	0.00	0.43	-0.62	2.25	-1.55	16.8	16.8	0.021	12	0.021	13
5010-5008 CN1	0.016	11	0.0	0.00	0.50	-0.28	1.02	-1.80	16.8	16.8	0.016	12	0.016	13
5017-5009 CN1	0.039	11	0.0	0.00	1.29	-0.57	-0.21	-3.35	15.5	15.5	0.039	12	0.039	13
5017-5025 CN1	0.039	11	0.0	0.00	1.29	0.57	-0.52	-0.86	91.5	91.5	0.039	12	0.039	13
5018-5010 CN1	0.041	11	0.0	0.00	1.28	-0.71	1.65	-3.04	15.5	15.5	0.041	12	0.041	13
5019- 120 CN1	0.047	11	0.0	0.00	1.60	0.53	-0.48	-1.16	91.5	91.5	0.047	12	0.047	13
5019-5011 CN1	0.113	11	20.0	0.00	4.01	-0.61	-0.34	9.39	15.5	15.5	0.113	12	0.113	13
5021- 112 CN1	0.054	11	0.0	0.00	1.85	0.52	-0.48	-1.35	91.5	91.5	0.054	12	0.054	13
5021-5013 CN1	0.055	11	20.0	0.00	1.84	-0.71	-0.76	-0.04	15.5	15.5	0.055	12	0.055	13
5022-5014 CN1	0.113	11	20.0	0.00	3.98	-0.76	-0.89	9.12	15.5	15.5	0.113	12	0.113	13
5024- 115 CN1	0.054	11	0.0	0.00	1.87	0.54	-0.50	-1.37	91.5	91.5	0.054	12	0.054	13
5024-5016 CN1	0.054	11	20.0	0.00	1.78	-0.79	-0.98	-0.35	15.5	15.5	0.054	12	0.054	13
5026-5018 CN1	0.041	11	118.0	0.00	1.28	-0.71	-0.64	0.85	91.5	91.5	0.041	12	0.041	13
5027-5026 CN1	0.017	11	0.0	0.00	-0.34	0.50	-0.64	0.85	23.3	23.3	0.017	12	0.017	13
5028-5025 CN1	0.015	11	0.0	0.00	-0.34	0.41	-0.52	0.86	23.3	23.3	0.015	12	0.015	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
A005- 120	CN1	0.020	11	0.0	0.00	-0.60	0.39	-0.48	1.16	23.3	23.3	0.020	12	0.020	13
A008- 115	CN1	0.023	11	0.0	0.00	-0.72	0.41	-0.50	1.37	23.3	23.3	0.023	12	0.023	13
110-A006	CN2	0.018	11	30.0	0.00	-0.55	-0.32	-0.18	-0.46	27.7	27.7	0.018	12	0.018	13
114-5023	CN2	0.044	11	118.0	0.00	1.47	-0.44	-0.18	0.47	109.0	109.0	0.044	12	0.044	13
5001-5012	CN2	0.073	11	21.7	0.00	2.49	0.62	0.98	3.97	20.0	20.0	0.073	12	0.073	13
5004-5015	CN2	0.071	11	21.7	0.00	2.41	0.68	1.08	3.85	20.0	20.0	0.071	12	0.071	13
5020- 110	CN2	0.043	11	0.0	0.00	1.44	0.43	-0.18	-0.46	109.0	109.0	0.043	12	0.043	13
5020-5012	CN2	0.073	11	20.0	0.00	2.49	-0.62	-0.32	1.81	18.5	18.5	0.073	12	0.073	13
5023-5015	CN2	0.071	11	20.0	0.00	2.41	-0.68	-0.40	1.63	18.5	18.5	0.071	12	0.071	13
A004- 114	CN2	0.019	11	0.0	0.00	-0.56	0.34	-0.18	0.47	27.7	27.7	0.019	12	0.019	13
181- 199	H1	0.015	11	0.0	-0.05	0.43	0.09	-0.03	-0.23	72.2	72.2	0.015	12	0.015	13
422- 423	H10	0.132	11	4.6	-0.10	-1.71	-4.27	-0.50	-0.09	29.0	29.0	0.132	12	0.132	13
428- 425	H11	0.247	11	10.4	-1.22	-1.01	-0.76	-0.01	-0.01	184.3	184.3	0.247	12	0.247	13
429- 436	H12	0.076	11	2.6	-0.11	2.59	-0.22	0.87	1.50	6.1	6.1	0.076	12	0.076	13
430- 435	H12	0.107	11	0.0	0.45	-2.00	-2.61	6.37	-0.68	6.1	6.1	0.107	12	0.107	13
431- 430	H12	0.036	11	0.0	0.32	-0.31	0.21	-0.94	0.21	8.3	8.3	0.036	12	0.036	13
432- 429	H12	0.056	11	3.5	-0.26	1.69	-0.20	-0.58	0.27	8.3	8.3	0.056	12	0.056	13
433- 432	H12	0.047	11	0.0	-0.47	1.10	0.06	0.40	-0.21	10.4	10.4	0.047	12	0.047	13
434- 431	H12	0.021	11	0.0	0.17	-0.07	0.40	-0.43	0.58	10.4	10.4	0.021	12	0.021	13
437- 430	H12	0.031	11	3.4	0.07	-0.83	-0.61	-0.64	-0.89	7.9	7.9	0.031	12	0.031	13
438- 429	H12	0.027	11	3.4	0.02	0.95	-0.13	-0.07	1.23	7.9	7.9	0.027	12	0.027	13
439- 432	H12	0.021	11	2.9	-0.11	0.60	-0.10	-0.14	0.48	6.7	6.7	0.021	12	0.021	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/R	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
440- 431	H12	0.024	11	0.0	-0.12	-0.21	0.09	0.03	-0.37	6.7	6.7	0.024	12	0.024	13
437- 410	H13	0.051	11	4.0	-0.46	1.20	-0.35	-0.39	0.17	14.3	14.3	0.051	12	0.051	13
438- 411	H13	0.052	11	0.0	0.24	1.54	0.33	-0.27	-0.67	14.3	14.3	0.052	12	0.052	13
439- 438	H13	0.061	11	4.0	0.28	1.83	0.14	0.07	0.56	14.4	14.4	0.061	12	0.061	13
440- 437	H13	0.042	11	4.0	-0.41	-0.95	0.23	0.08	-0.72	14.4	14.4	0.042	12	0.042	13
441- 440	H13	0.062	11	0.0	-0.53	1.45	-0.50	0.42	-1.09	15.9	15.9	0.062	12	0.062	13
442- 439	H13	0.057	11	4.4	0.07	1.94	0.12	0.14	1.03	15.9	15.9	0.057	12	0.057	13
101- 119	H1A	0.008	11	67.8	-0.09	0.14	-0.03	-0.02	0.07	72.1	72.1	0.008	12	0.008	13
119- 199	H2A	0.034	11	0.0	-0.32	0.59	-0.14	0.03	-0.13	88.8	88.8	0.034	12	0.034	13
201L-219L	H2B	0.010	11	0.0	0.06	-0.27	-0.06	0.02	0.06	87.0	87.0	0.010	12	0.010	13
281L-299L	H2C	0.032	11	0.0	-0.40	-0.37	0.15	-0.02	0.08	87.0	87.0	0.032	12	0.032	13
105- 109	H3	0.024	11	8.5	0.65	0.01	-0.05	-0.04	-0.01	17.0	17.0	0.024	12	0.024	13
109- 101	H3	0.024	11	35.5	0.66	0.05	-0.03	-0.01	0.00	70.8	70.8	0.024	12	0.024	13
199- 105	H3	0.030	11	0.0	0.66	-0.26	-0.09	0.02	0.05	87.8	87.8	0.030	12	0.030	13
405- 414	H3	0.303	11	0.0	6.53	2.69	-0.50	1.65	-1.02	6.0	6.0	0.303	12	0.303	13
405- 462	H3	0.174	11	0.0	-3.36	-1.79	0.66	-0.56	0.17	16.1	16.1	0.174	12	0.174	13
408- 405	H3	0.321	11	9.2	6.45	3.44	0.31	-0.01	0.73	18.2	18.2	0.321	12	0.321	13
409- 415	H3	0.205	11	5.6	-3.14	-2.97	-1.52	-2.91	-2.34	11.2	11.2	0.205	12	0.205	13
414- 460	H3	0.289	11	0.0	6.66	1.68	1.15	-1.96	-0.83	10.1	10.1	0.289	12	0.289	13
415- 405	H3	0.199	11	2.9	-3.24	-3.05	0.01	-1.31	-1.58	5.8	5.8	0.199	12	0.199	13
420- 459	H3	0.315	11	2.8	2.66	-7.97	0.24	-1.38	-5.45	5.6	5.6	0.315	12	0.315	13
428- 420	H3	0.246	11	0.0	2.67	5.50	0.02	0.31	-4.77	19.3	19.3	0.246	12	0.246	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
435- 408 H3		0.272	11	5.5	5.99	1.94	1.23	0.60	1.11	11.0	11.0	0.272	12	0.272	13
436- 409 H3		0.164	11	0.0	-2.88	2.19	0.20	0.87	-2.22	11.0	11.0	0.164	12	0.164	13
436-481L H3		0.404	11	9.7	-2.99	10.57	-0.67	-0.18	3.72	19.4	19.4	0.404	12	0.404	13
455-499L H3		0.243	11	3.2	3.36	-1.45	-4.30	-8.17	0.12	6.3	6.3	0.243	12	0.243	13
456- 455 H3		0.194	11	4.0	3.26	-1.49	2.48	3.19	0.08	8.0	8.0	0.194	12	0.194	13
457- 456 H3		0.165	11	0.0	3.18	-1.87	-0.56	1.16	0.35	8.0	8.0	0.165	12	0.165	13
458- 421 H3		0.209	11	1.6	3.07	-3.33	1.52	3.35	-1.54	3.2	3.2	0.209	12	0.209	13
458- 457 H3		0.186	11	0.0	3.11	-2.66	-0.78	1.10	0.85	8.0	8.0	0.186	12	0.186	13
459- 421 H3		0.232	11	0.0	3.06	-4.25	-1.48	-0.36	1.82	4.8	4.8	0.232	12	0.232	13
460- 461 H3		0.292	11	3.6	6.68	0.04	-2.12	-1.00	-0.83	7.2	7.2	0.292	12	0.292	13
461-499L H3		0.329	11	14.2	6.52	-2.62	2.56	1.58	-0.83	28.2	28.2	0.329	12	0.329	13
462- 463 H3		0.177	11	3.6	-3.30	-1.33	-1.72	-1.48	0.17	7.2	7.2	0.177	12	0.177	13
463-419L H3		0.193	11	0.0	-3.10	-1.33	-2.42	1.16	0.17	28.2	28.2	0.193	12	0.193	13
401L- 435 H3		0.369	11	0.0	6.62	-4.18	2.73	-2.10	1.79	19.4	19.4	0.369	12	0.369	13
401L-419L H3		0.070	11	0.0	0.63	1.00	1.41	-0.32	-0.19	76.3	76.3	0.070	12	0.070	13
481L- 428 H3		0.447	11	0.0	2.51	12.71	2.31	-1.52	-4.78	13.3	13.3	0.447	12	0.447	13
105- 119 H3A		0.045	11	44.1	-0.69	0.33	0.03	0.00	0.05	87.6	87.6	0.045	12	0.045	13
108- 105 H3A		0.030	11	8.5	-0.69	-0.16	-0.03	-0.05	-0.05	17.0	17.0	0.030	12	0.030	13
181- 108 H3A		0.038	11	0.0	-0.69	0.20	0.06	-0.01	-0.04	70.6	70.6	0.038	12	0.038	13
301L-319L H3B		0.093	11	47.3	1.96	-0.85	0.16	0.02	-0.14	94.2	94.2	0.093	12	0.093	13
381L-399L H3B		0.116	11	0.0	1.91	1.75	-0.37	0.08	-0.29	94.2	94.2	0.116	12	0.116	13
420- 422 H4		0.061	11	4.1	0.17	1.58	-1.17	-0.02	0.68	13.6	13.6	0.061	12	0.061	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
422- 425	H4	0.109	11	2.2	0.22	2.67	-2.44	-0.33	0.78	7.3	7.3	0.109	12	0.109	13
425- 415	H4	0.219	11	5.8	0.04	5.44	5.60	2.21	0.76	19.2	19.2	0.219	12	0.219	13
201L-281L	H5A	0.018	11	46.6	0.29	-0.01	-0.29	-0.05	0.01	80.7	80.7	0.018	12	0.018	13
219L-299L	H5B	0.049	11	0.0	-0.89	-0.08	-0.17	0.04	0.01	80.8	80.8	0.049	12	0.049	13
433- 442	H6	0.189	11	0.0	2.66	3.40	0.63	-0.26	-1.85	6.8	6.8	0.189	12	0.189	13
433-481L	H6	0.368	11	10.1	3.06	9.39	-0.27	0.08	2.06	18.6	18.6	0.368	12	0.368	13
441- 434	H6	0.144	11	3.7	2.02	-2.63	-0.14	-0.13	-1.79	6.8	6.8	0.144	12	0.144	13
442- 441	H6	0.144	11	0.0	2.52	1.87	0.72	-1.53	-2.88	6.8	6.8	0.144	12	0.144	13
401L- 434	H6	0.314	11	0.0	1.98	-8.80	-0.01	0.36	2.37	18.6	18.6	0.314	12	0.314	13
419L-499L	H6	0.055	11	28.3	0.98	0.52	0.55	0.09	0.07	52.0	52.0	0.055	12	0.055	13
205-219L	H6A	0.013	11	0.0	-0.11	-0.29	-0.01	0.01	0.04	64.3	64.3	0.013	12	0.013	13
205-299L	H6A	0.026	11	36.1	-0.39	0.28	0.14	0.02	0.04	64.3	64.3	0.026	12	0.026	13
209- 205	H6B	0.029	11	8.4	-0.61	0.04	-0.07	-0.03	0.01	15.0	64.1	0.029	12	0.029	13
201L- 209	H6B	0.030	11	27.7	-0.62	0.03	0.07	0.01	0.01	49.3	64.1	0.030	12	0.030	13
208- 205	H6C	0.011	11	0.0	0.23	-0.05	-0.08	0.05	0.03	15.0	64.2	0.011	12	0.011	13
308- 310	H6C	0.133	11	0.0	-3.02	0.01	-0.86	0.49	-0.14	15.7	15.7	0.133	12	0.133	13
310-399L	H6C	0.161	11	30.2	-3.02	-1.19	0.44	0.07	-0.19	53.7	53.7	0.161	12	0.161	13
281L- 208	H6C	0.018	11	0.0	0.23	-0.26	0.24	-0.03	0.03	49.3	64.2	0.018	12	0.018	13
301L- 308	H6C	0.148	11	0.0	-3.02	0.98	0.48	-0.12	-0.17	38.0	38.0	0.148	12	0.148	13
307- 310	H6D	0.247	11	9.4	6.33	-0.88	-0.39	-0.08	-0.33	16.7	16.7	0.247	12	0.247	13
310-319L	H6D	0.248	11	0.0	6.36	-0.93	0.24	-0.04	0.19	54.7	54.7	0.248	12	0.248	13
381L- 307	H6D	0.266	11	0.0	6.37	1.59	-0.10	0.08	-0.30	38.0	38.0	0.266	12	0.266	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RX	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
301L-381L	H6E	0.114	11	0.0	2.65	0.21	0.76	-0.14	-0.03	66.4	66.4	0.114	12	0.114	13
319L-399L	H6E	0.060	11	0.0	0.16	1.93	0.31	-0.05	-0.36	66.4	66.4	0.060	12	0.060	13
109- 108	H7	0.004	11	11.0	0.00	-0.07	0.12	0.06	-0.02	28.7	28.7	0.004	12	0.004	13
209- 208	H7	0.002	11	10.8	-0.01	0.02	-0.06	-0.03	0.00	28.2	28.2	0.002	12	0.002	13
408- 410	H7	0.057	11	0.0	-0.61	-1.25	0.26	-0.81	0.38	7.7	7.7	0.057	12	0.057	13
410- 411	H7	0.065	11	0.0	0.25	-0.44	-1.51	1.66	0.55	9.6	9.6	0.065	12	0.065	13
411- 409	H7	0.055	11	3.0	0.66	0.72	0.89	0.60	-0.12	7.7	7.7	0.055	12	0.055	13
308- 307	H7A	0.025	11	0.0	0.04	-0.28	0.79	-0.36	-0.03	27.0	27.0	0.025	12	0.025	13
309- 312	H8A	0.019	11	0.0	0.09	0.56	-0.05	0.02	-0.03	80.2	80.2	0.019	12	0.019	13
421- 423	H9	0.074	11	0.0	-0.80	-1.21	-1.09	0.11	0.28	17.9	17.9	0.074	12	0.074	13
423- 414	H9	0.169	11	8.4	-0.90	3.32	3.51	0.42	0.18	36.3	36.3	0.169	12	0.169	13
101-201L	LG2	0.048	11	40.7	-1.03	0.08	0.16	0.65	-0.14	45.3	45.3	0.048	12	0.048	13
119-219L	LG2	0.111	11	40.7	-2.39	0.22	0.38	0.31	-0.39	45.3	45.3	0.111	12	0.111	13
181-281L	LG2	0.119	11	40.7	-2.18	0.89	-0.40	-0.40	2.15	45.3	45.3	0.119	12	0.119	13
199-299L	LG2	0.038	11	40.7	-0.65	-0.36	-0.09	-0.67	-0.13	45.3	45.3	0.038	12	0.038	13
201L-301L	LG3	0.069	11	32.6	-0.99	-0.84	-0.51	-1.50	-1.91	40.7	40.7	0.069	12	0.069	13
219L-319L	LG3	0.175	11	32.6	-2.54	-0.55	-2.35	-6.60	-1.98	40.7	40.7	0.175	12	0.175	13
281L-381L	LG3	0.192	11	32.6	-2.27	-2.60	2.11	6.23	-8.83	40.7	40.7	0.192	12	0.192	13
299L-399L	LG3	0.085	11	32.6	-0.52	2.14	0.07	0.44	6.28	40.7	40.7	0.085	12	0.085	13
301L-A001	LG4	0.098	11	17.3	-1.05	-1.58	1.17	7.95	-1.90	18.3	18.3	0.098	12	0.098	13
319L-A002	LG4	0.120	11	5.0	-1.26	-1.24	-2.11	6.81	-3.38	18.3	18.3	0.120	12	0.120	13
381L- 389	LG4	0.109	11	5.0	-0.29	-2.39	2.21	-11.89	21.40	20.6	20.6	0.109	12	0.109	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/R	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
399L-384	LG4	0.090	11	19.3	-0.26	0.41	-2.63	-10.02	-8.68	20.6	20.6	0.090	12	0.090	13
309-401L	LG5	0.098	11	18.3	-0.73	-1.48	2.09	7.40	-2.41	19.2	19.2	0.098	12	0.098	13
311-419L	LG5	0.085	11	18.3	-0.87	-1.80	0.57	6.81	-3.38	19.2	19.2	0.085	12	0.085	13
384-385	LGA	0.093	11	1.0	-0.26	0.29	-2.77	-10.02	-8.68	1.1	1.1	0.093	12	0.093	13
385-394	LG5	0.041	11	0.0	0.00	0.26	-1.44	41.81	-5.24	4.3	4.3	0.041	12	0.041	13
387-388	LG5	0.026	11	3.5	0.00	-0.32	-0.87	-30.09	-4.85	3.7	3.7	0.026	12	0.026	13
388-499L	LG5	0.037	11	4.6	-0.08	-0.57	-1.07	-5.49	-5.81	17.1	17.1	0.037	12	0.037	13
390-389	LGA	0.075	11	0.0	-0.29	2.13	0.31	-11.89	-21.40	1.1	1.1	0.075	12	0.075	13
391-390	LG5	0.086	11	0.0	0.00	2.21	2.18	-40.48	-19.00	4.3	4.3	0.086	12	0.086	13
392-391	LG5	0.087	11	4.1	0.00	2.21	2.18	11.18	3.28	4.3	4.3	0.087	12	0.087	13
393-392	LG5	0.076	11	3.5	0.00	2.09	1.77	19.86	3.10	3.7	3.7	0.076	12	0.076	13
394-387	LG5	0.010	11	0.0	0.00	0.08	0.06	2.29	-6.42	4.3	4.3	0.010	12	0.010	13
401L-501L	LG5	0.124	11	0.0	-1.79	-0.69	1.99	-8.22	34.62	21.2	21.2	0.124	12	0.124	13
419L-519L	LG5	0.082	11	0.0	-0.84	-1.75	0.55	-3.62	28.52	21.2	21.2	0.082	12	0.082	13
481L-393	LG5	0.079	11	0.0	0.00	2.67	-0.99	49.66	-15.93	4.8	4.8	0.079	12	0.079	13
481L-581L	LG5	0.080	11	0.0	-0.34	1.63	1.77	-13.11	7.63	21.2	21.2	0.080	12	0.080	13
499L-599L	LG5	0.064	11	2.0	-1.16	0.36	-0.70	-1.26	15.24	21.2	21.2	0.064	12	0.064	13
A001-309	LGA	0.099	11	1.0	-1.05	-1.61	1.29	7.95	-1.90	1.1	1.1	0.099	12	0.099	13
A002-311	LGA	0.107	11	1.0	-1.26	-1.86	-0.86	6.81	-3.38	1.1	1.1	0.107	12	0.107	13
501L-601L	LG6	0.307	11	3.0	-4.57	2.47	4.25	-8.22	34.62	46.6	46.6	0.307	12	0.307	13
519L-619L	LG6	0.183	11	0.0	-2.14	-3.24	1.28	-3.61	28.52	46.6	46.6	0.183	12	0.183	13
581L-681L	LG6	0.208	11	0.0	-0.88	4.70	4.06	-13.11	7.63	46.6	46.6	0.208	12	0.208	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/R	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
599L-699L	LG6	0.198	11	3.0	-2.95	2.08	-1.95	-1.26	15.24	46.6	46.6	0.198	12	0.198	13
601L-701L	LG7	0.471	11	0.0	-6.82	1.90	-7.01	20.45	8.83	46.2	46.2	0.471	12	0.471	13
619L-719L	LG7	0.194	11	0.0	-3.25	0.16	-2.15	4.23	0.88	46.2	46.2	0.194	12	0.194	13
681L-781L	LG7	0.316	11	0.0	-1.31	8.69	-2.21	-7.16	-11.39	46.2	46.2	0.316	12	0.316	13
699L-799L	LG7	0.297	11	8.7	-4.37	0.01	-4.60	-15.28	-13.50	46.2	46.2	0.297	12	0.297	13
801L-701L	LG8	0.464	11	0.0	-6.82	6.63	-3.94	20.45	-8.83	14.6	14.6	0.464	12	0.464	13
819L-719L	LG8	0.159	11	6.3	-3.25	0.43	0.85	4.23	-0.88	46.2	46.2	0.159	12	0.159	13
881L-781L	LG8	0.254	11	6.3	-1.27	5.21	4.53	-3.41	15.33	46.2	46.2	0.254	12	0.254	13
899L-799L	LG8	0.405	11	0.0	-4.37	-3.04	8.05	-15.28	13.50	46.2	46.2	0.405	12	0.405	13
1035-919L	LG9	0.122	11	0.0	-0.95	-2.95	0.55	-4.04	12.67	12.5	12.5	0.122	12	0.122	13
1037-881L	LG9	0.078	11	14.4	-0.03	1.65	2.04	3.73	3.14	16.6	16.6	0.078	12	0.078	13
819L-1035	LG9	0.140	11	10.8	-1.32	-3.09	0.54	-4.24	-9.69	12.5	12.5	0.140	12	0.140	13
901L-801L	LG9	0.191	11	21.7	-2.77	1.71	-2.48	-3.75	5.37	24.9	24.9	0.191	12	0.191	13
981L-1037	LG9	0.035	11	0.0	-0.02	-0.86	-0.82	3.37	3.40	8.3	8.3	0.035	12	0.035	13
999L-899L	LG9	0.094	11	0.0	-1.06	-1.83	0.34	0.14	2.60	24.9	24.9	0.094	12	0.094	13
1- 101	PL1	0.082	11	5.1	-1.91	0.39	-0.38	-1.63	2.02	5.9	5.9	0.082	12	0.082	13
2- 119	PL1	0.163	11	5.1	-3.82	0.88	0.52	2.73	4.22	5.9	5.9	0.163	12	0.163	13
3- 181	PL1	0.149	11	5.1	-3.72	-0.45	-0.46	-2.45	-1.20	5.9	5.9	0.149	12	0.149	13
4- 199	PL1	0.070	11	5.1	-1.30	-0.72	0.48	2.16	-3.18	5.9	5.9	0.070	12	0.070	13
281L-399L	V1	0.051	11	61.5	0.58	-0.63	0.85	0.41	-0.20	65.5	65.5	0.051	12	0.051	13
2149-981L	V10	0.230	11	0.0	-2.90	1.66	3.56	-0.76	-0.35	53.0	53.0	0.230	12	0.230	13
2201-999L	V10	0.119	11	24.2	2.41	0.94	0.83	0.11	0.24	53.0	53.0	0.119	12	0.119	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RX	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
901L-2149	V10	0.270	11	23.7	6.88	-0.82	0.74	0.17	-0.03	51.9	51.9	0.270	12	0.270	13
919L-2201	V10	0.100	11	23.7	1.66	0.92	-1.20	-0.22	0.29	51.9	51.9	0.100	12	0.100	13
910-1035	V11	0.131	11	16.3	-2.31	-1.40	-0.08	-0.20	-0.27	42.7	42.7	0.131	12	0.131	13
945-2201	V11	0.107	11	0.0	-1.60	-0.12	-1.46	0.21	0.07	52.8	52.8	0.107	12	0.107	13
975-2149	V11	0.245	11	0.0	-2.46	2.13	4.68	-0.62	-0.62	51.5	51.5	0.245	12	0.245	13
1037- 984	V11	0.015	11	6.1	-0.05	0.16	-0.45	-0.35	0.12	16.1	16.1	0.015	12	0.015	13
1038-2205	V12	0.042	11	21.7	0.77	0.39	-0.41	-0.32	0.04	37.9	37.9	0.042	12	0.042	13
301L-219L	V1A	0.021	11	0.0	-0.12	0.55	0.06	0.09	-0.26	53.2	53.2	0.021	12	0.021	13
201L- 119	V1B	0.015	11	74.2	0.23	0.17	-0.18	-0.09	0.10	64.2	64.2	0.015	12	0.015	13
101- 205	V1D	0.015	11	0.0	-0.28	0.09	-0.06	0.03	-0.02	55.2	55.2	0.015	12	0.015	13
205- 119	V1E	0.029	11	59.4	0.42	0.45	-0.20	-0.09	0.23	55.2	55.2	0.029	12	0.029	13
105- 205	V1F	0.001	11	45.0	0.00	0.00	-0.04	-0.02	-0.01	38.9	38.9	0.001	12	0.001	13
205- 199	V1F	0.024	11	59.4	-0.36	-0.31	-0.04	-0.02	-0.17	55.3	55.3	0.024	12	0.024	13
181- 205	V1G	0.015	11	0.0	0.21	0.22	-0.14	0.07	-0.12	55.3	55.3	0.015	12	0.015	13
1039-2205	V2	0.087	11	0.0	0.81	-0.05	2.08	-0.40	0.09	36.4	36.4	0.087	12	0.087	13
1041-881L	V2	0.059	11	19.1	-0.23	-1.67	0.70	0.28	-0.80	33.2	33.2	0.059	12	0.059	13
1042-899L	V2	0.016	11	19.1	-0.08	0.45	0.16	0.04	0.14	33.2	33.2	0.016	12	0.016	13
2205- 966	V2	0.139	11	21.0	3.53	0.57	-0.15	0.03	0.25	36.4	36.4	0.139	12	0.139	13
312-319L	V2A	0.311	11	26.8	-6.86	-1.34	-0.21	-0.12	-0.41	46.5	46.5	0.311	12	0.311	13
401L- 312	V2A	0.295	11	27.3	-6.89	0.55	0.28	-0.06	0.08	47.4	47.4	0.295	12	0.295	13
319L-499L	V2D	0.360	11	0.0	-6.16	-1.83	-0.50	0.16	0.34	80.7	80.7	0.360	12	0.360	13
205- 310	V3A	0.012	11	36.5	-0.03	-0.16	-0.35	-0.05	-0.03	69.2	69.2	0.012	12	0.012	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP I - UNITY CHECKS GREATER THAN 0.00 AND LESS THAN 0.50

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING Y KSI	STRESS Z KSI	SHEAR FY KIPS	FORCE FZ KIPS	KLY/RZ	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
299L-119	V4A	0.030	11	66.2	0.45	0.45	0.19	0.16	0.19	70.5	70.5	0.030	12	0.030	13
299L-181	V4A	0.012	11	74.2	0.18	0.21	-0.02	-0.01	0.05	79.0	79.0	0.012	12	0.012	13
301L-281L	V5A	0.031	11	53.8	-0.30	-0.24	-0.53	-0.09	-0.06	82.8	82.8	0.031	12	0.031	13
399L-219L	V5B	0.080	11	0.0	1.66	-0.76	0.22	-0.04	0.13	82.8	82.8	0.080	12	0.080	13
2147-130	V6	0.050	11	21.7	0.31	-0.80	1.15	0.57	-0.36	43.6	43.6	0.050	12	0.050	13
1031-2147	V7	0.172	11	0.0	3.59	0.56	1.60	-0.28	-0.25	42.2	42.2	0.172	12	0.172	13
2147-930	V7	0.102	11	0.0	1.65	1.53	-0.50	0.09	-0.59	42.2	42.2	0.102	12	0.102	13
819L-1033	V7	0.078	11	0.0	-0.66	-1.65	-0.88	0.23	0.64	38.1	38.1	0.078	12	0.078	13
966-899L	V8	0.133	11	0.0	-2.51	-0.13	1.42	-1.70	-0.48	24.1	24.1	0.133	12	0.133	13
1039-881L	V8	0.084	11	20.9	-0.59	2.14	-0.46	-1.29	2.85	24.1	24.1	0.084	12	0.084	13
801L-1031	V8	0.188	11	0.0	-2.75	-3.04	-0.25	-0.76	3.72	24.1	24.1	0.188	12	0.188	13
819L-930	V8	0.089	11	0.0	-0.78	2.06	0.50	-0.22	-2.09	24.1	24.1	0.089	12	0.089	13
1034-801L	V9	0.070	11	19.1	-0.44	1.91	0.03	-0.10	1.27	33.9	33.9	0.070	12	0.070	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP II - UNITY CHECKS GREATER THAN 0.50 AND LESS THAN 1.00

MEMBER	GROUP ID	MAXIMUM COMBINED UNITY CK	LOAD COND NO.	DIST FROM END	AXIAL STRESS KSI	BENDING STRESS Y KSI	BENDING STRESS Z KSI	SHEAR FORCE FY KIPS	SHEAR FORCE FZ KIPS	KLY/RY	KLZ/RZ	SECOND-HIGHEST UNITY CHECK	HIGHEST LOAD COND	THIRD-HIGHEST UNITY CHECK	HIGHEST LOAD COND
381L-499L	V2B	0.638	11	54.1	-10.14	1.91	0.09	-0.07	0.36	94.0	94.0	0.638	12	0.638	13
381L-401L	V2C	0.523	11	46.5	-9.20	2.03	-0.33	-0.08	0.36	80.8	80.8	0.523	12	0.523	13

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SACS-IV MEMBER UNITY CHECK RANGE SUMMARY

GROUP III - UNITY CHECKS GREATER THAN 1.00

** NO UNITY CHECKS IN THIS GROUP **

SACS JOINT RESULTS - STORM

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	* *** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	STRESSES	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
												KSI	KSI	KSI	KSI	KSI	KSI	KSI	
2149	981L	901L	12.75	0.375	36.0	T		12.75	0.375	68.85	11	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					12	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					13	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					14	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					15	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					16	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					17	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
						T					18	4.88	6.41	0.69	0.76	6.31	17.02	19.15	1.052
901L	801L	2149	30.00	0.500	36.0	T		12.75	0.375	34.16	11	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					12	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					13	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					14	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					15	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					16	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					17	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
						T					18	3.71	2.90	0.14	0.27	4.11	7.76	13.77	0.721
405	408	415	14.00	0.375	36.0	X		14.00	0.375	74.27	11	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					12	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					13	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					14	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					15	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					16	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					17	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
						X					18	7.32	-3.12	2.94	0.01	7.30	15.67	18.77	0.547
405	414	462	14.00	0.375	36.0	X		14.00	0.375	74.29	11	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					12	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					13	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					14	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					15	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					16	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					17	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
						X					18	7.08	-3.23	1.72	0.63	7.23	15.67	18.77	0.520
1031	801L	2147	24.00	0.500	36.0	T		14.00	0.375	49.54	11	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					12	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					13	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					14	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					15	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					16	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					17	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
						T					18	3.27	2.05	0.91	0.32	4.75	8.32	15.96	0.502
966	899L	2205	24.00	0.500	36.0	T		16.00	0.375	49.55	11	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					12	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					13	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					14	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					15	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					16	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					17	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451
						T					18	2.89	2.01	0.09	0.32	4.62	7.95	15.54	0.451

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	STRESSES	IPB	
												SRSS	KSI	OPB	KSI	FA	OPB	IPB	
499L	388	381L	35.00	1.000	36.0	T		16.00	0.378	59.36	11	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					12	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					13	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					14	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					15	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					16	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					17	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
						T					18	1.22	-3.30	0.13	0.61	8.39	12.92	19.15	0.414
401L	501L	435	35.00	1.000	36.0	T		14.00	0.375	80.07	11	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					12	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					13	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					14	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					15	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					16	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					17	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
						T					18	2.76	2.44	1.05	1.52	7.26	13.84	19.15	0.406
801L	901L	1031	30.00	0.500	36.0	T		24.00	0.500	24.77	11	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					12	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					13	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					14	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					15	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					16	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					17	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
						T					18	4.09	-1.15	0.10	1.27	3.53	6.52	11.79	0.397
310	319L	399L	12.75	0.362	36.0	X		12.75	0.354	77.39	11	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					12	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					13	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					14	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					15	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					16	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					17	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
						X					18	6.43	-2.88	0.45	0.19	7.73	16.61	19.15	0.391
310	307	308	12.75	0.362	36.0	X		12.75	0.354	77.39	11	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					12	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					13	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					14	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					15	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					16	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					17	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
						X					18	6.40	-2.88	0.32	0.36	7.73	16.61	19.15	0.390
499L	599L	461	35.00	1.000	36.0	T		14.00	0.375	80.07	11	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					12	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					13	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					14	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					15	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					16	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					17	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384
						T					18	1.34	2.41	0.92	0.99	7.29	13.87	19.15	0.384

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			*** PUNCHING SHEAR ***			*** UNITY CHECK	
												CHORD	FA	BRACE	* IPB	ALLOWABLE	STRESSES		
												SRSS KSI	FA KSI	OPB KSI	IPB KSI	FA KSI	OPB KSI	IPB KSI	
401L	309	381L	35.00	1.000	36.0	T		16.00	0.370	51.90	11	2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362
						T	12				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
						T	13				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
						T	14				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
						T	15				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
						T	16				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
						T	17				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
						T	18				2.67	-2.68	0.20	0.57	7.86	12.89	19.15	0.362	
381L	389	499L	35.00	1.000	36.0	T		16.00	0.378	45.22	11	3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360
						T	12				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
						T	13				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
						T	14				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
						T	15				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
						T	16				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
						T	17				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
						T	18				3.28	-2.72	0.13	0.39	7.88	12.87	19.15	0.360	
1035	919L	910	30.00	0.500	36.0	T		10.75	0.375	52.75	11	3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353
						T	12				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
						T	13				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
						T	14				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
						T	15				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
						T	16				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
						T	17				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
						T	18				3.14	-1.38	0.05	0.84	4.36	8.55	14.63	0.353	
981L	1037	2149	30.00	0.500	36.0	T		12.75	0.375	34.69	11	1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349
						T	12				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
						T	13				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
						T	14				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
						T	15				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
						T	16				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
						T	17				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
						T	18				1.19	-1.24	0.63	0.28	4.17	7.83	14.06	0.349	
381L	389	307	35.00	1.000	36.0	T		12.75	0.362	80.04	11	3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323
						T	12				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
						T	13				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
						T	14				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
						T	15				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
						T	16				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
						T	17				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
						T	18				3.28	2.27	0.03	0.57	7.47	14.56	19.15	0.323	
415	409	425	14.00	0.375	36.0	T		8.63	0.375	52.85	11	4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322
						T	12				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	
						T	13				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	
						T	14				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	
						T	15				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	
						T	16				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	
						T	17				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	
						T	18				4.58	0.03	4.33	4.47	6.00	10.40	19.15	0.322	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	OPB KSI	SHEAR IPB KSI	*** UNITY CHECK
899L	999L	966	30.00	0.500	36.0	T		24.00	0.500	24.77	11	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					12	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					13	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					14	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					15	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					16	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					17	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
						T					18	1.17	-1.05	0.24	0.29	3.59	6.59	12.10	0.321
319L	A002	310	35.00	1.000	36.0	T		12.75	0.362	80.04	11	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					12	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					13	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					14	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					15	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					16	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					17	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
						T					18	2.04	2.27	0.06	0.25	7.50	14.61	19.15	0.311
401L	309	312	35.00	1.000	36.0	T		16.00	0.374	59.36	11	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					12	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					13	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					14	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					15	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					16	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					17	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
						T					18	2.67	-2.22	0.16	0.08	7.37	12.89	19.15	0.310
481L	581L	428	35.00	1.000	36.0	T		14.00	0.375	82.93	11	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					12	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					13	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					14	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					15	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					16	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					17	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
						T					18	2.43	0.93	1.44	4.59	7.27	13.85	19.15	0.296
481L	581L	436	35.00	1.000	36.0	T		14.00	0.375	80.07	11	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					12	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					13	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					14	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					15	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					16	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					17	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
						T					18	2.43	-1.11	0.34	3.90	7.27	13.85	19.15	0.284
999L	899L	2201	30.00	0.500	36.0	T		12.75	0.375	34.69	11	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					12	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					13	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					14	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					15	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					16	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					17	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282
						T					18	2.14	1.03	0.35	0.40	4.16	7.81	13.98	0.282

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	* *** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
												KSI	KSI	KSI	KSI	KSI	KSI	KSI	
2201	999L	919L	12.75	0.375	36.0	K	2.00	12.75	0.375	68.85	11	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				12	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				13	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				14	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				15	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				16	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				17	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
						K	2.00				18	2.51	1.55	1.12	0.85	6.92	17.20	19.15	0.274
481L	581L	433	35.00	1.000	36.0	T		12.38	0.375	82.93	11	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					12	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					13	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					14	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					15	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					16	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					17	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
						T					18	2.43	1.14	0.33	3.48	7.57	14.85	19.15	0.268
381L	389	401L	35.00	1.000	36.0	T		16.00	0.370	37.75	11	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					12	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					13	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					14	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					15	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					16	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					17	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
						T					18	3.28	-2.08	0.11	0.18	8.49	12.87	19.15	0.253
499L	388	319L	35.00	1.000	36.0	T		16.00	0.358	51.89	11	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					12	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					13	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					14	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					15	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					16	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					17	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
						T					18	1.22	-1.74	0.18	0.32	7.68	12.92	19.15	0.240
435	408	430	14.00	0.375	36.0	T		12.00	0.500	52.86	11	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					12	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					13	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					14	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					15	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					16	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					17	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
						T					18	6.04	0.48	2.58	1.47	5.70	11.26	19.15	0.240
2149	981L	975	12.75	0.375	36.0	K	2.00	10.75	0.375	35.79	11	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				12	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				13	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				14	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				15	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				16	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				17	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235
						K	2.00				18	4.88	-1.44	0.06	1.54	7.83	12.02	19.15	0.235

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	STRESSES	IPB	
												SRSS	KSI	OPB	KSI	FA	OPB	IPB	
319L	A002	312	35.00	1.000	36.0	T		16.00	0.374	45.22	11	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					12	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					13	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					14	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					15	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					16	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					17	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
						T					18	2.04	-1.82	0.00	0.36	8.41	12.91	19.15	0.229
930	819L	2147	24.00	0.500	36.0	T		14.00	0.375	49.55	11	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					12	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					13	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					14	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					15	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					16	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					17	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
						T					18	0.91	0.94	0.03	0.73	4.79	8.37	16.17	0.225
441	434	440	12.38	0.375	36.0	T		8.00	0.500	90.00	11	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					12	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					13	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					14	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					15	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					16	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					17	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					18	2.14	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
441	442	440	12.38	0.375	36.0	T		8.00	0.500	90.00	11	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					12	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					13	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					14	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					15	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					16	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					17	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
						T					18	2.95	-0.71	1.93	0.66	6.82	11.70	19.15	0.212
319L	A002	499L	35.00	1.000	36.0	T		16.00	0.358	37.75	11	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					12	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					13	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					14	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					15	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					16	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					17	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
						T					18	2.04	-1.35	0.04	0.41	7.13	12.91	19.15	0.203
1039	881L	2205	24.00	0.500	36.0	T		16.00	0.375	49.54	11	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					12	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					13	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					14	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					15	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					16	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					17	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195
						T					18	1.72	0.46	1.19	0.03	4.64	7.98	15.65	0.195

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING		SHEAR IPB KSI	*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB		
												SRSS KSI	FA KSI	OPB KSI		FA KSI	OPB KSI		
601L	501L	701L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194
						T	12				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
						T	13				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
						T	14				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
						T	15				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
						T	16				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
						T	17				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
						T	18				6.71	-0.79	0.73	0.42	5.02	14.29	16.66	0.194	
919L	1035	2201	30.00	0.500	36.0	T		12.75	0.375	34.16	11	2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189
						T	12				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
						T	13				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
						T	14				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
						T	15				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
						T	16				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
						T	17				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
						T	18				2.40	0.70	0.10	0.39	4.15	7.80	13.96	0.189	
499L	599L	455	35.00	1.000	36.0	K	2.00	14.00	0.375	82.93	11	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				12	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				13	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				14	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				15	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				16	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				17	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
						K	2.00				18	1.34	1.25	1.65	0.34	11.66	13.87	19.15	0.184
419L	519L	463	35.00	1.000	36.0	T		14.00	0.375	80.07	11	2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181
						T	12				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
						T	13				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
						T	14				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
						T	15				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
						T	16				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
						T	17				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
						T	18				2.02	-1.14	0.48	0.28	7.28	13.86	19.15	0.181	
436	409	429	14.00	0.375	36.0	T		12.00	0.500	52.85	11	3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179
						T	12				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
						T	13				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
						T	14				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
						T	15				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
						T	16				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
						T	17				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
						T	18				3.62	-0.12	2.75	0.24	5.65	11.19	18.99	0.179	
423	414	422	6.50	0.237	36.0	T		4.50	0.237	90.00	11	2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176
						T	12				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	
						T	13				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	
						T	14				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	
						T	15				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	
						T	16				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	
						T	17				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	
						T	18				2.76	-0.10	1.71	4.27	8.05	13.89	19.15	0.176	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB	KSI	FA	KSI	IPB	KSI
423	421	422	6.50	0.237	36.0	T		4.50	0.237	90.00	11	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					12	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					13	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					14	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					15	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					16	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					17	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
						T					18	1.14	-0.10	1.71	4.27	8.08	13.92	19.15	0.176
414	460	423	14.00	0.375	36.0	T		6.50	0.237	52.85	11	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					12	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					13	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					14	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					15	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					16	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					17	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
						T					18	6.97	-0.45	1.67	1.77	6.54	12.03	19.15	0.176
2205	1038	966	16.00	0.500	36.0	T		16.00	0.375	24.77	11	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					12	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					13	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					14	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					15	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					16	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					17	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
						T					18	0.95	1.11	0.09	0.10	6.48	18.28	19.15	0.175
401L	501L	434	35.00	1.000	36.0	K	2.00	12.38	0.375	82.93	11	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				12	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				13	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				14	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				15	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				16	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				17	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
						K	2.00				18	2.76	0.74	0.41	3.25	12.09	14.84	19.15	0.171
105	205	119	26.00	0.469	36.0	X		14.00	0.350	90.00	11	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					12	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					13	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					14	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					15	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					16	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					17	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
						X					18	0.02	-0.52	0.01	0.17	3.24	7.53	14.29	0.167
410	411	437	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					12	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					13	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					14	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					15	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					16	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					17	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					18	1.59	-0.63	1.64	0.48	7.41	13.04	19.15	0.167

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING FA KSI	STRESSES BRACE OPB KSI	* IPB KSI	*** ALLOWABLE FA KSI	PUNCHING OPB KSI	SHEAR IPB KSI	*** UNITY CHECK
410	408	437	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					12	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					13	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					14	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					15	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					16	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					17	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
						T					18	1.22	-0.63	1.64	0.48	7.41	13.04	19.15	0.167
105	205	108	26.00	0.469	36.0	X		14.00	0.350	90.00	11	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					12	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					13	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					14	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					15	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					16	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					17	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
						X					18	0.02	-0.51	0.03	0.12	3.23	7.53	14.29	0.165
425	422	428	8.63	0.375	36.0	T		2.00	0.570	54.41	11	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					12	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					13	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					14	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					15	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					16	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					17	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
						T					18	3.62	-1.51	1.25	0.94	13.54	19.15	19.15	0.164
2147	130	1031	14.00	0.500	36.0	T		14.00	0.375	24.77	11	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					12	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					13	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					14	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					15	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					16	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					17	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
						T					18	1.20	1.13	0.09	0.19	7.40	19.15	19.15	0.159
433	481L	432	12.38	0.375	36.0	T		12.00	0.500	90.00	11	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					12	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					13	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					14	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					15	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					16	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					17	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
						T					18	4.56	-0.63	1.46	0.08	6.24	15.90	19.15	0.159
433	442	432	12.38	0.375	36.0	T		12.00	0.500	90.00	11	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					12	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					13	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					14	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					15	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					16	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					17	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159
						T					18	4.36	-0.63	1.46	0.08	6.25	15.91	19.15	0.159

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	*CHORD** SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	OPB KSI	SHEAR IPB KSI	*** UNITY CHECK
399L	384	310	35.00	1.000	36.0	T		12.75	0.354	80.04	11	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					12	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					13	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					14	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					15	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					16	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					17	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
						T					18	1.82	-1.05	0.15	0.42	7.50	14.61	19.15	0.156
301L	A001	308	35.00	1.000	36.0	T		12.75	0.354	80.04	11	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					12	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					13	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					14	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					15	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					16	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					17	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
						T					18	1.15	-1.05	0.16	0.35	7.51	14.63	19.15	0.153
819L	1035	930	30.00	0.500	36.0	T		24.00	0.500	24.77	11	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					12	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					13	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					14	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					15	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					16	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					17	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
						T					18	2.63	-0.33	0.21	0.86	3.56	6.57	11.99	0.142
408	405	410	14.00	0.375	36.0	T		10.75	0.365	52.86	11	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					12	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					13	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					14	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					15	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					16	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					17	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
						T					18	6.74	-0.47	0.97	0.20	5.82	10.39	19.15	0.141
205	105	209	26.00	0.469	36.0	X		12.75	0.339	90.00	11	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					12	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					13	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					14	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					15	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					16	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					17	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
						X					18	0.04	-0.44	0.05	0.03	3.33	7.88	14.64	0.137
428	420	425	14.00	0.375	36.0	T		2.00	0.570	35.59	11	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					12	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					13	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					14	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					15	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					16	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					17	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135
						T					18	6.11	-1.08	0.84	0.38	10.42	19.15	19.15	0.135

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	* *** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	KSI	IPB	
105	205	199	26.00	0.469	36.0	X		14.00	0.375	90.00	11	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					12	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					13	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					14	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					15	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					16	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					17	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
						X					18	0.02	0.52	0.05	0.15	4.24	7.53	14.29	0.132
301L	A001	381L	35.00	1.000	36.0	T		12.75	0.366	82.93	11	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					12	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					13	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					14	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					15	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					16	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					17	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
						T					18	1.15	0.96	0.28	0.04	8.11	14.63	19.15	0.131
409	415	411	14.00	0.375	36.0	T		10.75	0.365	52.85	11	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					12	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					13	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					14	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					15	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					16	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					17	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
						T					18	3.83	0.52	0.56	0.69	5.76	10.32	19.15	0.131
2201	999L	945	12.75	0.375	36.0	K	2.00	10.75	0.375	35.79	11	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				12	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				13	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				14	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				15	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				16	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				17	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
						K	2.00				18	2.51	-0.94	0.11	0.27	7.94	12.15	19.15	0.129
440	431	441	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					12	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					13	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					14	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					15	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					16	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					17	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
						X					18	0.26	-0.53	1.40	0.56	7.59	15.98	19.15	0.128
105	205	109	26.00	0.469	36.0	X		14.00	0.375	90.00	11	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					12	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					13	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					14	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					15	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					16	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					17	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126
						X					18	0.02	0.52	0.03	0.03	4.24	7.53	14.29	0.126

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS KSI	KSI	OPB KSI		FA KSI	OPB KSI	IPB KSI	
421	459	423	14.00	0.375	36.0	T		6.50	0.237	90.00	11	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					12	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					13	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					14	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					15	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					16	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					17	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					18	4.78	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
421	458	423	14.00	0.375	36.0	T		6.50	0.237	90.00	11	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					12	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					13	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					14	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					15	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					16	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					17	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
						T					18	4.77	-0.50	0.76	0.69	6.44	11.90	19.15	0.125
881L	1037	1039	30.00	0.500	36.0	T		24.00	0.500	24.77	11	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					12	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					13	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					14	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					15	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					16	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					17	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
						T					18	2.63	-0.25	0.19	0.90	3.56	6.57	11.99	0.120
699L	599L	799L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					12	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					13	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					14	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					15	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					16	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					17	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
						T					18	4.10	-0.51	0.33	0.35	5.12	14.50	17.19	0.119
399L	384	381L	35.00	1.000	36.0	T		14.00	0.362	82.93	11	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					12	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					13	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					14	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					15	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					16	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					17	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
						T					18	1.82	0.69	0.13	0.54	7.28	13.86	19.15	0.113
438	429	439	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					12	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					13	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					14	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					15	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					16	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					17	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104
						X					18	0.09	0.27	1.85	0.14	9.31	15.98	19.15	0.104

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	STRESSES	IPB	
												SRSS KSI	FA KSI	OPB KSI		FA KSI	OPB KSI	IPB KSI	
437	430	410	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101
						X	12				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
						X	13				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
						X	14				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
						X	15				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
						X	16				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
						X	17				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
						X	18				0.16	-0.45	0.86	0.53	7.32	15.98	19.15	0.101	
301L	A001	319L	35.00	1.000	36.0	T		14.00	0.362	82.93	11	1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098
						T	12				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
						T	13				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
						T	14				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
						T	15				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
						T	16				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
						T	17				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
						T	18				1.15	0.71	0.06	0.25	7.93	13.88	19.15	0.098	
437	430	440	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098
						X	12				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
						X	13				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
						X	14				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
						X	15				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
						X	16				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
						X	17				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
						X	18				0.16	-0.40	1.00	0.23	7.07	15.98	19.15	0.098	
205	105	299L	26.00	0.469	36.0	X		12.75	0.358	90.00	11	0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095
						X	12				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
						X	13				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
						X	14				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
						X	15				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
						X	16				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
						X	17				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
						X	18				0.04	-0.30	0.06	0.09	3.33	7.88	14.64	0.095	
422	425	423	8.63	0.375	36.0	T		4.50	0.237	90.00	11	2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095
						T	12				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
						T	13				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
						T	14				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
						T	15				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
						T	16				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
						T	17				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
						T	18				2.56	-0.06	0.08	2.65	10.26	18.38	19.15	0.095	
422	420	423	8.63	0.375	36.0	T		4.50	0.237	90.00	11	1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095
						T	12				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	
						T	13				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	
						T	14				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	
						T	15				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	
						T	16				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	
						T	17				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	
						T	18				1.97	-0.06	0.08	2.65	10.28	18.40	19.15	0.095	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE ** WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING STRESSES ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
801L	901L	1034	30.00	0.500	36.0	T		16.00	0.688	19.09	11	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					12	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					13	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					14	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					15	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					16	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					17	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
						T					18	4.09	-0.20	0.01	0.86	3.85	6.90	12.87	0.093
381L	389	301L	35.00	1.000	36.0	K	2.02	12.75	0.366	82.93	11	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					12	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					13	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					14	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					15	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					16	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					17	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
						K					18	3.28	0.96	0.27	0.02	11.93	14.56	19.15	0.093
440	431	437	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					12	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					13	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					14	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					15	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					16	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					17	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
						X					18	0.26	-0.41	0.76	0.05	7.07	15.98	19.15	0.088
439	432	442	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					12	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					13	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					14	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					15	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					16	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					17	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
						X					18	0.29	0.07	2.01	0.12	9.31	15.98	19.15	0.087
2147	130	930	14.00	0.500	36.0	T		14.00	0.375	24.77	11	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					12	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					13	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					14	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					15	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					16	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					17	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
						T					18	1.20	0.52	0.16	0.48	7.40	19.15	19.15	0.087
429	436	432	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					12	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					13	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					14	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					15	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					16	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					17	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086
						T					18	1.82	-0.26	1.69	0.20	8.63	19.15	19.15	0.086

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING FA KSI	STRESSES BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	STRESSES OPB KSI	SHEAR IPB KSI	*** UNITY CHECK
429	438	432	12.00	0.500	36.0	T		12.00	0.500	90.00	11	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					12	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					13	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					14	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					15	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					16	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					17	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
						T					18	0.96	-0.26	1.69	0.20	8.64	19.15	19.15	0.086
438	429	411	12.00	0.500	36.0	X		8.00	0.500	90.00	11	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					12	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					13	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					14	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					15	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					16	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					17	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
						X					18	0.09	0.23	1.47	0.33	9.31	15.98	19.15	0.085
619L	519L	719L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					12	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					13	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					14	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					15	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					16	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					17	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
						T					18	2.62	-0.38	0.16	0.19	5.16	14.57	17.38	0.083
399L	299L	219L	35.00	1.000	36.0	T		18.00	0.350	58.16	11	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					12	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					13	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					14	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					15	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					16	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					17	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
						T					18	1.75	0.49	0.03	0.23	6.78	12.17	19.15	0.081
381L	389	399L	35.00	1.000	36.0	K	2.00	14.00	0.362	82.93	11	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				12	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				13	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				14	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				15	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				16	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				17	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
						K	2.00				18	3.28	0.69	0.05	0.64	11.59	13.82	19.15	0.080
205	105	119	26.00	0.469	36.0	T		26.00	0.425	47.24	11	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					12	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					13	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					14	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					15	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					16	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					17	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080
						T					18	0.04	0.28	0.07	0.22	4.03	10.55	12.64	0.080

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING ALLOWABLE		SHEAR STRESSES		*** UNITY CHECK
												CHORD SRSS KSI	FA KSI	BRACE OPB KSI		FA KSI	OPB KSI	IPB KSI		
681L	581L	781L	30.00	0.750	36.0	T		30.00	0.500	169.98	11	6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072	
						T	12				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
						T	13				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
						T	14				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
						T	15				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
						T	16				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
						T	17				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
						T	18				6.17	-0.15	0.53	0.89	5.04	14.34	16.79	0.072		
319L	A002	301L	35.00	1.000	36.0	K	2.01	14.00	0.362	82.93	11	2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071	
						K	12				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
						K	13				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
						K	14				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
						K	15				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
						K	16				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
						K	17				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
						K	18				2.04	0.71	0.10	0.30	11.63	13.86	19.15	0.071		
420	428	422	14.00	0.375	36.0	T		8.63	0.375	90.00	11	5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068	
						T	12				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
						T	13				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
						T	14				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
						T	15				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
						T	16				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
						T	17				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
						T	18				5.62	0.17	0.18	1.13	5.96	10.35	19.15	0.068		
420	459	422	14.00	0.375	36.0	T		8.63	0.375	90.00	11	5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068	
						T	12				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
						T	13				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
						T	14				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
						T	15				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
						T	16				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
						T	17				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
						T	18				5.37	0.17	0.18	1.13	5.97	10.37	19.15	0.068		
819L	1035	1033	30.00	0.500	36.0	T		14.00	0.375	19.09	11	2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067	
						T	12				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
						T	13				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
						T	14				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
						T	15				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
						T	16				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
						T	17				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
						T	18				2.63	-0.16	0.22	0.40	4.04	7.42	13.56	0.067		
399L	299L	281L	35.00	1.000	36.0	T		26.00	0.500	64.58	11	1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065	
						T	12				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		
						T	13				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		
						T	14				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		
						T	15				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		
						T	16				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		
						T	17				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		
						T	18				1.75	0.26	0.34	0.34	6.23	10.96	19.15	0.065		

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
442	433	439	12.38	0.375	36.0	T		8.00	0.500	90.00	11	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					12	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					13	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					14	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					15	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					16	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					17	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					18	3.03	0.09	0.92	0.31	6.82	11.70	19.15	0.064
442	441	439	12.38	0.375	36.0	T		8.00	0.500	90.00	11	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					12	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					13	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					14	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					15	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					16	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					17	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
						T					18	3.23	0.09	0.92	0.31	6.82	11.70	19.15	0.064
205	105	199	26.00	0.469	36.0	X		26.00	0.469	47.24	11	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					12	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					13	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					14	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					15	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					16	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					17	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
						X					18	0.04	-0.26	0.02	0.15	4.70	10.55	12.64	0.064
411	409	438	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					12	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					13	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					14	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					15	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					16	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					17	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					18	1.10	0.33	0.00	0.40	7.41	13.04	19.15	0.057
411	410	438	10.75	0.365	36.0	T		8.00	0.500	90.00	11	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					12	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					13	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					14	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					15	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					16	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					17	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
						T					18	1.05	0.33	0.00	0.40	7.41	13.04	19.15	0.057
430	435	431	12.00	0.500	36.0	T		12.00	0.500	90.00	11	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					12	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					13	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					14	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					15	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					16	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					17	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056
						T					18	3.32	0.32	0.14	0.58	8.60	19.15	19.15	0.056

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
430	437	431	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					12	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					13	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					14	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					15	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					16	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					17	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
						T					18	1.03	0.32	0.14	0.58	8.64	19.15	19.15	0.056
419L	519L	401L	35.00	1.000	36.0	T		14.00	0.375	82.93	11	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					12	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					13	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					14	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					15	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					16	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					17	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
						T					18	2.02	0.24	0.47	0.29	7.28	13.86	19.15	0.056
434	441	431	12.38	0.375	36.0	T		12.00	0.500	90.00	11	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					12	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					13	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					14	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					15	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					16	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					17	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
						T					18	3.32	0.23	0.10	0.53	6.28	15.97	19.15	0.055
434	401L	431	12.38	0.375	36.0	T		12.00	0.500	90.00	11	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					12	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					13	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					14	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					15	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					16	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					17	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
						T					18	2.90	0.23	0.10	0.53	6.29	15.98	19.15	0.055
419L	519L	499L	35.00	1.000	36.0	T		12.38	0.375	82.93	11	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					12	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					13	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					14	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					15	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					16	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					17	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
						T					18	2.02	0.37	0.07	0.04	7.58	14.86	19.15	0.052
439	432	438	12.00	0.500	36.0	T		8.00	0.500	90.00	11	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					12	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					13	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					14	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					15	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					16	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					17	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050
						T					18	0.29	0.28	0.51	0.02	9.31	15.98	19.15	0.050

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI		ALLOWABLE FA KSI	OPB KSI	IPB KSI	
2205	1038	1039	16.00	0.500	36.0	T		16.00	0.375	24.77	11	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					12	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					13	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					14	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					15	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					16	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					17	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
						T					18	0.95	0.26	0.21	0.08	6.48	18.28	19.15	0.047
401L	501L	419L	35.00	1.000	36.0	K	2.00	14.00	0.375	82.93	11	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				12	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				13	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				14	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				15	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				16	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				17	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
						K	2.00				18	2.76	0.24	0.48	0.44	11.62	13.84	19.15	0.046
205	105	181	26.00	0.469	36.0	T		26.00	0.457	47.24	11	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					12	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					13	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					14	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					15	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					16	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					17	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
						T					18	0.04	0.15	0.06	0.10	3.74	10.55	12.64	0.046
219L	319L	399L	35.00	1.000	36.0	K	2.00	18.00	0.350	44.02	11	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				12	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				13	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				14	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				15	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				16	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				17	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
						K	2.00				18	1.82	0.40	0.00	0.07	9.58	12.17	19.15	0.044
205	105	208	26.00	0.469	36.0	X		12.75	0.354	90.00	11	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					12	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					13	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					14	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					15	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					16	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					17	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
						X					18	0.04	0.17	0.03	0.01	4.34	7.88	14.64	0.042
205	105	101	26.00	0.469	36.0	X		26.00	0.413	47.24	11	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					12	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					13	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					14	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					15	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					16	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					17	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041
						X					18	0.04	-0.18	0.02	0.01	4.66	10.55	12.64	0.041

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR ***			
												CHORD	FA	BRACE	IPB	*** ALLOWABLE FA	OPB	IPB	UNITY CHECK
												SRSS KSI	KSI	KSI	KSI	KSI	KSI	KSI	
499L	599L	419L	35.00	1.000	36.0	K	2.01	12.38	0.375	82.93	11	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				12	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				13	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				14	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				15	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				16	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				17	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
						K	2.01				18	1.34	0.37	0.18	0.22	12.13	14.88	19.15	0.041
881L	1037	1041	30.00	0.500	36.0	T		16.00	0.375	19.09	11	2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040
						T	12				2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040	
						T	13				2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040	
						T	14				2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040	
						T	15				2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040	
						T	16				2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040	
						T	17				2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040	
T	18	2.63	-0.06	0.17	0.41	3.89	6.95	13.09	0.040										
281L	381L	399L	35.00	1.000	36.0	T		26.00	0.500	50.44	11	1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036
						T	12				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
						T	13				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
						T	14				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
						T	15				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
						T	16				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
						T	17				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
						T	18				1.88	0.22	0.13	0.01	7.86	10.96	19.15	0.036	
432	429	439	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032
						T	12				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	13				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	14				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	15				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	16				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	17				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	18				1.51	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
432	433	439	12.00	0.500	36.0	T		12.00	0.500	90.00	11	1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032
						T	12				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	13				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	14				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	15				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	16				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	17				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
						T	18				1.11	-0.11	0.60	0.10	8.64	19.15	19.15	0.032	
219L	319L	299L	35.00	1.000	36.0	K	2.00	16.00	0.358	82.93	11	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				12	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				13	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				14	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				15	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				16	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				17	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031
						K	2.00				18	1.82	-0.31	0.06	0.04	11.19	12.91	19.15	0.031

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				* IPB KSI	*** PUNCHING SHEAR ***		*** UNITY CHECK
												CHORD	FA	BRACE	ALLOWABLE		FA	OPB	
												SRSS KSI	KSI	OPB KSI		KSI	KSI	KSI	
299L	399L	219L	35.00	1.000	36.0	K	2.01	16.00	0.358	82.93	11	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				12	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				13	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				14	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				15	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				16	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				17	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
						K	2.01				18	0.59	-0.31	0.05	0.02	11.14	12.93	19.15	0.031
307	310	308	12.75	0.362	36.0	T		10.75	0.358	51.31	11	6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031
						T	12				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
						T	13				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
						T	14				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
						T	15				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
						T	16				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
						T	17				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
						T	18				6.33	0.03	0.32	0.54	6.06	11.72	19.15	0.031	
399L	384	319L	35.00	1.000	36.0	T		12.75	0.366	82.93	11	1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030
						T	12				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
						T	13				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
						T	14				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
						T	15				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
						T	16				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
						T	17				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
						T	18				1.82	0.06	0.02	0.67	7.50	14.61	19.15	0.030	
308	310	307	12.75	0.354	36.0	T		10.75	0.358	51.31	11	3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030
						T	12				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
						T	13				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
						T	14				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
						T	15				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
						T	16				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
						T	17				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
						T	18				3.14	0.03	0.22	0.63	5.89	11.41	19.15	0.030	
431	434	440	12.00	0.500	36.0	T		12.00	0.500	90.00	11	0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029
						T	12				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	13				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	14				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	15				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	16				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	17				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	18				0.57	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
431	430	440	12.00	0.500	36.0	T		12.00	0.500	90.00	11	0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029
						T	12				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	13				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	14				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	15				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	16				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	17				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	
						T	18				0.49	-0.12	0.47	0.11	8.64	19.15	19.15	0.029	

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
												KSI	KSI	KSI	KSI	KSI	KSI	KSI	
319L	A002	399L	35.00	1.000	36.0	K	2.01	12.75	0.366	82.93	11	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				12	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				13	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				14	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				15	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				16	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				17	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
						K	2.01				18	2.04	0.06	0.02	0.71	11.99	14.61	19.15	0.028
201L	301L	209	35.00	1.000	36.0	T		12.75	0.339	80.02	11	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					12	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					13	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					14	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					15	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					16	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					17	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
						T					18	0.70	-0.21	0.02	0.01	7.52	14.63	19.15	0.028
181	281L	108	35.00	1.000	36.0	T		14.00	0.350	80.00	11	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					12	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					13	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					14	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					15	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					16	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					17	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
						T					18	1.22	-0.24	0.02	0.07	9.26	13.88	19.15	0.028
299L	199	119	35.00	1.000	36.0	K	2.01	26.00	0.492	59.01	11	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				12	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				13	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				14	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				15	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				16	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				17	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
						K	2.01				18	0.52	0.19	0.14	0.04	9.98	10.97	19.15	0.027
119	219L	299L	35.00	1.000	36.0	T		26.00	0.492	44.87	11	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					12	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					13	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					14	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					15	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					16	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					17	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
						T					18	1.35	0.16	0.09	0.14	8.00	10.97	19.15	0.027
199	299L	105	35.00	1.000	36.0	K	2.01	14.00	0.375	80.00	11	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				12	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				13	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				14	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				15	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				16	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				17	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026
						K	2.01				18	0.43	0.24	0.03	0.10	10.73	13.88	19.15	0.026

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				* *** PUNCHING SHEAR ***			
												CHORD	FA	BRACE	IPB	* ALLOWABLE	FA	OPB	IPB
												SRSS KSI	KSI	OPB KSI	KSI	KSI	KSI	KSI	UNITY CHECK
101	201L	109	35.00	1.000	36.0	K	2.00	14.00	0.375	80.00	11	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				12	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				13	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				14	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				15	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				16	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				17	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
						K	2.00				18	0.59	0.24	0.01	0.02	9.70	13.88	19.15	0.026
119	219L	105	35.00	1.000	36.0	K	2.00	14.00	0.350	80.00	11	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				12	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				13	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				14	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				15	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				16	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				17	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
						K	2.00				18	1.35	-0.24	0.01	0.12	10.95	13.87	19.15	0.026
310	307	205	12.75	0.362	36.0	T		12.00	0.378	90.00	11	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					12	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					13	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					14	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					15	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					16	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					17	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					18	6.40	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
310	319L	205	12.75	0.362	36.0	T		12.00	0.378	90.00	11	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					12	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					13	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					14	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					15	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					16	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					17	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
						T					18	6.43	-0.04	0.36	0.18	5.95	13.92	19.15	0.024
205	105	219L	26.00	0.469	36.0	K	2.00	12.75	0.358	90.00	11	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				12	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				13	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				14	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				15	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				16	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				17	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
						K	2.00				18	0.04	-0.09	0.01	0.22	6.48	7.88	14.64	0.023
199	299L	119	35.00	1.000	36.0	T		18.00	0.331	82.93	11	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					12	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					13	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					14	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					15	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					16	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					17	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022
						T					18	0.43	-0.11	0.07	0.17	6.79	12.19	19.15	0.022

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS KSI	KSI	OPB KSI		FA KSI	OPB KSI	IPB KSI	
299L	399L	205	35.00	1.000	36.0	T		12.75	0.358	80.02	11	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					12	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					13	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					14	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					15	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					16	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					17	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
						T					18	0.59	-0.14	0.05	0.10	7.52	14.63	19.15	0.022
312	401L	309	16.00	0.374	36.0	T		8.00	0.366	37.55	11	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					12	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					13	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					14	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					15	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					16	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					17	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
						T					18	6.92	0.05	0.17	0.01	5.39	9.85	17.82	0.021
201L	101	119	35.00	1.000	36.0	T		26.00	0.488	63.92	11	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					12	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					13	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					14	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					15	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					16	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					17	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
						T					18	0.73	0.10	0.07	0.07	6.24	10.97	19.15	0.020
281L	381L	299L	35.00	1.000	36.0	K	2.00	18.00	0.358	82.93	11	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				12	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				13	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				14	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				15	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				16	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				17	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
						K	2.00				18	1.88	-0.14	0.04	0.14	10.84	12.17	19.15	0.018
299L	399L	281L	35.00	1.000	36.0	K	2.00	18.00	0.358	82.93	11	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				12	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				13	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				14	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				15	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				16	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				17	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
						K	2.00				18	0.59	-0.14	0.02	0.09	10.12	12.19	19.15	0.017
1037	981L	984	30.00	0.500	36.0	T		10.75	0.375	31.94	11	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					12	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					13	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					14	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					15	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					16	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					17	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017
						T					18	0.06	-0.02	0.16	0.05	4.41	8.62	14.87	0.017

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	STRESSES	IPB	
												SRSS	KSI	OPB		FA	OPB	IPB	
119	219L	199	35.00	1.000	36.0	K	2.00	18.00	0.331	82.93	11	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				12	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				13	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				14	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				15	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				16	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				17	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
						K	2.00				18	1.35	-0.11	0.07	0.19	10.85	12.18	19.15	0.017
201L	301L	281L	35.00	1.000	36.0	T		16.00	0.339	82.93	11	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					12	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					13	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					14	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					15	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					16	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					17	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
						T					18	0.70	0.10	0.05	0.03	7.01	12.93	19.15	0.017
119	219L	205	35.00	1.000	36.0	K	2.00	26.00	0.425	37.25	11	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				12	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				13	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				14	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				15	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				16	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				17	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
						K	2.00				18	1.35	0.11	0.05	0.11	9.98	10.97	19.15	0.016
281L	381L	208	35.00	1.000	36.0	T		12.75	0.354	80.02	11	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					12	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					13	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					14	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					15	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					16	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					17	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
						T					18	1.88	0.08	0.08	0.09	7.50	14.61	19.15	0.015
119	219L	201L	35.00	1.000	36.0	K	2.01	26.00	0.488	49.77	11	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				12	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				13	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				14	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				15	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				16	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				17	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
						K	2.01				18	1.35	0.08	0.08	0.05	8.22	10.97	19.15	0.015
219L	319L	301L	35.00	1.000	36.0	T		26.00	0.496	50.44	11	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					12	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					13	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					14	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					15	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					16	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					17	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015
						T					18	1.82	-0.05	0.14	0.06	7.37	10.96	19.15	0.015

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD BRACE ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** ALLOWABLE FA KSI	PUNCHING		SHEAR IPB KSI	*** UNITY CHECK
												CHORD	FA	BRACE	OPB		IPB	OPB		
												SRSS KSI	FA KSI	BRACE OPB KSI	IPB KSI					
281L	381L	301L	35.00	1.000	36.0	K	2.01	18.00	0.358	44.02	11	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				12	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				13	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				14	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				15	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				16	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				17	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
						K	2.01				18	1.88	-0.07	0.14	0.04	10.83	12.17	19.15	0.014	
281L	381L	201L	35.00	1.000	36.0	K	2.01	16.00	0.339	82.93	11	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				12	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				13	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				14	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				15	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				16	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				17	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
						K	2.01				18	1.88	0.10	0.10	0.01	10.50	12.91	19.15	0.014	
301L	201L	219L	35.00	1.000	36.0	K	2.00	26.00	0.496	64.58	11	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				12	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				13	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				14	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				15	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				16	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				17	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
						K	2.00				18	1.03	-0.05	0.01	0.25	9.98	10.97	19.15	0.014	
199	299L	205	35.00	1.000	36.0	K	2.01	26.00	0.469	37.25	11	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				12	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				13	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				14	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				15	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				16	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				17	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
						K	2.01				18	0.43	-0.10	0.01	0.09	9.98	10.97	19.15	0.013	
301L	201L	281L	35.00	1.000	36.0	K	2.00	18.00	0.358	58.16	11	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				12	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				13	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				14	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				15	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				16	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				17	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
						K	2.00				18	1.03	-0.09	0.06	0.07	10.86	12.18	19.15	0.012	
181	281L	299L	35.00	1.000	36.0	T		26.00	0.492	49.77	11	1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012	
						T	12				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		
						T	13				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		
						T	14				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		
						T	15				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		
						T	16				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		
						T	17				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		
						T	18				1.22	0.07	0.02	0.08	7.60	10.97	19.15	0.012		

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *			* IPB KSI	*** PUNCHING SHEAR ***			*** UNITY CHECK
												CHORD	FA	BRACE		ALLOWABLE	OPB	IPB	
												SRSS	KSI	OPB		FA	KSI	IPB	
899L	999L	1042	30.00	0.500	36.0	T		16.00	0.375	19.09	11	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					12	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					13	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					14	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					15	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					16	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					17	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
						T					18	1.17	-0.02	0.04	0.11	3.92	6.98	13.21	0.011
181	281L	199	35.00	1.000	36.0	K	2.00	26.00	0.500	82.93	11	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				12	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				13	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				14	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				15	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				16	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				17	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
						K	2.00				18	1.22	-0.02	0.07	0.21	9.98	10.97	19.15	0.010
309	401L	312	35.00	1.000	36.0	T		8.00	0.366	83.09	11	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					12	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					13	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					14	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					15	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					16	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					17	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
						T					18	1.55	0.03	0.04	0.20	8.99	19.15	19.15	0.010
199	299L	181	35.00	1.000	36.0	T		26.00	0.500	82.93	11	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					12	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					13	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					14	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					15	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					16	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					17	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
						T					18	0.43	-0.02	0.02	0.16	6.24	10.97	19.15	0.009
101	201L	119	35.00	1.000	36.0	T		26.00	0.484	82.93	11	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					12	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					13	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					14	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					15	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					16	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					17	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
						T					18	0.59	-0.04	0.03	0.04	6.24	10.97	19.15	0.009
299L	199	181	35.00	1.000	36.0	K	2.00	26.00	0.492	63.91	11	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				12	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				13	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				14	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				15	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				16	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				17	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009
						K	2.00				18	0.52	0.08	0.01	0.01	9.99	10.97	19.15	0.009

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* CHORD SRSS KSI	ACTING STRESSES FA KSI	BRACE OPB KSI	* IPB KSI	*** PUNCHING ALLOWABLE FA KSI	OPB KSI	SHEAR IPB KSI	*** UNITY CHECK
181	281L	205	35.00	1.000	36.0	K	2.00	26.00	0.457	37.25	11	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				12	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				13	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				14	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				15	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				16	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				17	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
						K	2.00				18	1.22	0.06	0.04	0.06	9.98	10.97	19.15	0.009
101	201L	205	35.00	1.000	36.0	K	2.00	26.00	0.413	37.25	11	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				12	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				13	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				14	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				15	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				16	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				17	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
						K	2.00				18	0.59	-0.07	0.02	0.02	9.99	10.97	19.15	0.008
219L	319L	205	35.00	1.000	36.0	T		12.75	0.358	80.02	11	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					12	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					13	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					14	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					15	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					16	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					17	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
						T					18	1.82	-0.04	0.03	0.06	7.50	14.61	19.15	0.008
119	219L	101	35.00	1.000	36.0	K	2.01	26.00	0.484	82.93	11	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				12	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				13	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				14	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				15	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				16	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				17	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
						K	2.01				18	1.35	-0.04	0.02	0.07	9.97	10.97	19.15	0.007
201L	301L	219L	35.00	1.000	36.0	T		18.00	0.354	82.93	11	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					12	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					13	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					14	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					15	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					16	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					17	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
						T					18	0.70	0.02	0.01	0.10	6.79	12.19	19.15	0.006
219L	319L	201L	35.00	1.000	36.0	K	2.01	18.00	0.354	82.93	11	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				12	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				13	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				14	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				15	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				16	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				17	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005
						K	2.01				18	1.82	0.02	0.04	0.09	10.83	12.17	19.15	0.005

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* * J O I N T C A N D E T A I L R E P O R T * *
(UNITY CHECK ORDER)

COMMON JOINT	CHORD JOINT	BRACE JOINT	***** O.D. IN	CHORD WT IN	***** FY KSI	JOINT TYPE	GAP IN	*** O.D. IN	BRACE WT IN	** CHORD ANGLE DEG	LOAD CASE	* ACTING STRESSES *				*** PUNCHING SHEAR ***			
												*CHORD** SRSS KSI	FA KSI	BRACE OPB KSI	IPB KSI	ALLOWABLE FA KSI	OPB KSI	IPB KSI	UNITY CHECK
108	105	109	14.00	0.350	36.0	T		10.75	0.365	49.35	11	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					12	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					13	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					14	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					15	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					16	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					17	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
						T					18	0.69	0.00	0.06	0.10	5.43	9.70	18.31	0.005
109	105	108	14.00	0.375	36.0	T		10.75	0.365	49.34	11	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					12	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					13	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					14	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					15	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					16	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					17	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
						T					18	0.65	0.00	0.00	0.10	5.82	10.39	19.15	0.003
209	205	208	12.75	0.339	36.0	T		10.75	0.365	50.24	11	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					12	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					13	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					14	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					15	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					16	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					17	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
						T					18	0.61	-0.01	0.02	0.05	5.67	10.98	19.15	0.003
208	205	209	12.75	0.354	36.0	T		10.75	0.365	50.25	11	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					12	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					13	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					14	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					15	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					16	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					17	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003
						T					18	0.25	-0.01	0.02	0.05	5.93	11.47	19.15	0.003

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PLATFORM ASSESSMENT

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* * J O I N T C A N S U M M A R Y * *
(UNITY CHECK ORDER)

***** ORIGINAL ***** DESIGN *****

JOINT	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC
2149	12.750	0.375	36.000	1.052	12.750	0.375	36.000	1.052
901L	30.000	0.500	36.000	0.721	30.000	0.500	36.000	0.721
405	14.000	0.375	36.000	0.547	14.000	0.375	36.000	0.547
1031	24.000	0.500	36.000	0.502	24.000	0.500	36.000	0.502
966	24.000	0.500	36.000	0.451	24.000	0.500	36.000	0.451
499L	35.000	1.000	36.000	0.414	35.000	1.000	36.000	0.414
401L	35.000	1.000	36.000	0.406	35.000	1.000	36.000	0.406
801L	30.000	0.500	36.000	0.397	30.000	0.500	36.000	0.397
310	12.750	0.362	36.000	0.391	12.750	0.362	36.000	0.391
381L	35.000	1.000	36.000	0.360	35.000	1.000	36.000	0.360
1035	30.000	0.500	36.000	0.353	30.000	0.500	36.000	0.353
981L	30.000	0.500	36.000	0.349	30.000	0.500	36.000	0.349
415	14.000	0.375	36.000	0.322	14.000	0.375	36.000	0.322
899L	30.000	0.500	36.000	0.321	30.000	0.500	36.000	0.321
319L	35.000	1.000	36.000	0.311	35.000	1.000	36.000	0.311
481L	35.000	1.000	36.000	0.296	35.000	1.000	36.000	0.296
999L	30.000	0.500	36.000	0.282	30.000	0.500	36.000	0.282
2201	12.750	0.375	36.000	0.274	12.750	0.375	36.000	0.274
435	14.000	0.375	36.000	0.240	14.000	0.375	36.000	0.240
930	24.000	0.500	36.000	0.225	24.000	0.500	36.000	0.225
441	12.375	0.375	36.000	0.212	12.375	0.375	36.000	0.212
1039	24.000	0.500	36.000	0.195	24.000	0.500	36.000	0.195
601L	30.000	0.750	36.000	0.194	30.000	0.750	36.000	0.194
919L	30.000	0.500	36.000	0.189	30.000	0.500	36.000	0.189
419L	35.000	1.000	36.000	0.181	35.000	1.000	36.000	0.181
436	14.000	0.375	36.000	0.179	14.000	0.375	36.000	0.179
423	6.500	0.237	36.000	0.176	6.500	0.237	36.000	0.176
414	14.000	0.375	36.000	0.176	14.000	0.375	36.000	0.176
2205	16.000	0.500	36.000	0.175	16.000	0.500	36.000	0.175
105	26.000	0.469	36.000	0.167	26.000	0.469	36.000	0.167
410	10.750	0.365	36.000	0.167	10.750	0.365	36.000	0.167
425	8.625	0.375	36.000	0.164	8.625	0.375	36.000	0.164
2147	14.000	0.500	36.000	0.159	14.000	0.500	36.000	0.159
433	12.375	0.375	36.000	0.159	12.375	0.375	36.000	0.159
399L	35.000	1.000	36.000	0.156	35.000	1.000	36.000	0.156
301L	35.000	1.000	36.000	0.153	35.000	1.000	36.000	0.153
819L	30.000	0.500	36.000	0.142	30.000	0.500	36.000	0.142
408	14.000	0.375	36.000	0.141	14.000	0.375	36.000	0.141
205	26.000	0.469	36.000	0.137	26.000	0.469	36.000	0.137
428	14.000	0.375	36.000	0.135	14.000	0.375	36.000	0.135
409	14.000	0.375	36.000	0.131	14.000	0.375	36.000	0.131
440	12.000	0.500	36.000	0.128	12.000	0.500	36.000	0.128
421	14.000	0.375	36.000	0.125	14.000	0.375	36.000	0.125
881L	30.000	0.500	36.000	0.120	30.000	0.500	36.000	0.120
699L	30.000	0.750	36.000	0.119	30.000	0.750	36.000	0.119
438	12.000	0.500	36.000	0.104	12.000	0.500	36.000	0.104
437	12.000	0.500	36.000	0.101	12.000	0.500	36.000	0.101
422	8.625	0.375	36.000	0.095	8.625	0.375	36.000	0.095
439	12.000	0.500	36.000	0.087	12.000	0.500	36.000	0.087
429	12.000	0.500	36.000	0.086	12.000	0.500	36.000	0.086

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* * J O I N T C A N S U M M A R Y * *
(UNITY CHECK ORDER)

***** ORIGINAL ***** DESIGN *****

JOINT	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC	DIAMETER (IN)	THICKNESS (IN)	YLD STRS (KSI)	UC
619L	30.000	0.750	36.000	0.083	30.000	0.750	36.000	0.083
681L	30.000	0.750	36.000	0.072	30.000	0.750	36.000	0.072
420	14.000	0.375	36.000	0.068	14.000	0.375	36.000	0.068
442	12.375	0.375	36.000	0.064	12.375	0.375	36.000	0.064
411	10.750	0.365	36.000	0.057	10.750	0.365	36.000	0.057
430	12.000	0.500	36.000	0.056	12.000	0.500	36.000	0.056
434	12.375	0.375	36.000	0.055	12.375	0.375	36.000	0.055
219L	35.000	1.000	36.000	0.044	35.000	1.000	36.000	0.044
281L	35.000	1.000	36.000	0.036	35.000	1.000	36.000	0.036
432	12.000	0.500	36.000	0.032	12.000	0.500	36.000	0.032
299L	35.000	1.000	36.000	0.031	35.000	1.000	36.000	0.031
307	12.750	0.362	36.000	0.031	12.750	0.362	36.000	0.031
308	12.750	0.354	36.000	0.030	12.750	0.354	36.000	0.030
431	12.000	0.500	36.000	0.029	12.000	0.500	36.000	0.029
201L	35.000	1.000	36.000	0.028	35.000	1.000	36.000	0.028
181	35.000	1.000	36.000	0.028	35.000	1.000	36.000	0.028
119	35.000	1.000	36.000	0.027	35.000	1.000	36.000	0.027
199	35.000	1.000	36.000	0.026	35.000	1.000	36.000	0.026
101	35.000	1.000	36.000	0.026	35.000	1.000	36.000	0.026
312	16.000	0.374	36.000	0.021	16.000	0.374	36.000	0.021
1037	30.000	0.500	36.000	0.017	30.000	0.500	36.000	0.017
309	35.000	1.000	36.000	0.010	35.000	1.000	36.000	0.010
108	14.000	0.350	36.000	0.005	14.000	0.350	36.000	0.005
109	14.000	0.375	36.000	0.003	14.000	0.375	36.000	0.003
209	12.750	0.339	36.000	0.003	12.750	0.339	36.000	0.003
208	12.750	0.354	36.000	0.003	12.750	0.354	36.000	0.003

SACS PILE RESULTS - OPERATING

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ETIM LB

ETIM LB PLATFORM ASSESSMENT

* * * P I L E M A X I M U M U N I T Y C H E C K S U M M A R Y * * *

PILE JT.	GRUP CASE	LOAD	***** AXIAL	PILEHEAD FORCES LATERAL	***** MOMENT	* PILEHEAD DISPLACEMENTS * AXIAL	LATERAL	ROTATION	***** DEPTH	STRESSES AT AXIAL	FBY	FBZ	MAX. UNITY CHECK SHEAR	COMB.	UNITY CHECK
			KIPS	KIPS	IN-KIP	IN	IN	RAD	FT	-----	-----	KSI	-----	-----	
1	PL1	1	-106.40	2.28	255.9	0.03	0.01	0.000032	0.0	-0.94	0.26	0.21	0.04	-1.27	0.056
		2	-186.99	2.04	65.2	0.06	0.03	0.000133	15.2	-1.64	-0.25	0.01	0.01	-1.89	0.085
		3	87.84	22.67	1020.6	-0.02	0.25	0.001138	17.4	0.69	-2.52	-0.06	0.02	3.21	0.125
		4	93.83	15.60	535.0	-0.02	0.19	0.000905	17.4	0.74	-1.87	0.00	0.01	2.61	0.103
		5	69.30	14.49	355.3	-0.01	0.18	0.000921	17.4	0.54	1.83	0.00	0.01	2.37	0.093
		6	12.15	13.39	461.3	0.00	0.16	0.000794	17.4	0.06	1.62	0.02	0.01	1.68	0.063
		7	-51.57	10.78	489.7	0.02	0.12	0.000540	17.4	-0.47	1.19	0.03	0.01	-1.67	0.066
		8	-102.61	16.27	553.4	0.03	0.20	0.000960	17.4	-0.90	1.98	0.01	0.01	-2.88	0.115
		9	-109.53	25.36	660.7	0.04	0.32	0.001621	17.4	-0.96	-3.25	-0.01	0.02	-4.20	0.165
		10	-30.19	32.10	1124.4	0.01	0.40	0.001921	17.4	-0.30	-3.95	-0.06	0.03	-4.25	0.160
		11	-216.18	26.06	1380.9	0.06	0.28	0.001205	17.4	-1.85	-2.79	-0.08	0.03	-4.65	0.189
		12	-210.18	18.68	847.6	0.06	0.22	0.001014	17.4	-1.80	-2.16	0.02	0.02	-3.96	0.163
		13	-234.73	16.20	522.0	0.07	0.20	0.001022	17.4	-2.01	-2.05	0.05	0.02	-4.05	0.169
		14	-291.92	12.66	264.0	0.09	0.17	0.000858	15.2	-2.54	1.63	-0.04	0.04	-4.16	0.178
		15	-355.64	7.39	165.3	0.10	0.10	0.000497	15.2	-3.08	0.95	-0.01	0.02	-4.03	0.178
		16	-406.67	13.45	363.0	0.12	0.17	0.000868	15.2	-3.52	1.67	0.03	0.04	-5.20	0.225
		17	-413.68	24.15	731.0	0.12	0.31	0.001545	17.4	-3.51	-3.11	-0.06	0.02	-6.62	0.278
		18	-335.19	33.38	1443.2	0.10	0.40	0.001893	17.4	-2.85	-4.01	-0.11	0.04	-6.86	0.280
2	PL1	1	-93.23	1.79	325.6	0.03	0.01	0.000110	0.0	-0.83	0.16	0.38	0.03	-1.24	0.054
		2	-196.58	2.32	110.3	0.06	0.03	0.000114	15.2	-1.72	-0.24	-0.02	0.01	-1.96	0.088
		3	-87.05	22.38	960.6	0.03	0.25	0.001171	17.4	-0.77	2.55	0.00	0.01	-3.32	0.130
		4	27.22	13.00	547.1	0.00	0.15	0.000681	17.4	0.18	-1.47	-0.02	0.01	1.66	0.063
		5	82.99	14.39	578.3	-0.02	0.16	0.000767	17.4	0.65	-1.64	-0.02	0.01	2.29	0.091
		6	103.83	15.82	650.3	-0.02	0.18	0.000831	17.4	0.82	-1.79	0.00	0.01	2.62	0.105
		7	48.06	11.04	485.0	-0.01	0.12	0.000560	17.4	0.36	-1.23	0.01	0.01	1.59	0.062
		8	-31.89	13.39	567.7	0.01	0.15	0.000701	17.4	-0.31	1.52	0.00	0.01	-1.83	0.071
		9	-131.98	25.46	1027.0	0.04	0.30	0.001389	17.4	-1.15	2.98	0.02	0.01	-4.12	0.163
		10	-225.41	37.47	1576.5	0.07	0.44	0.002053	17.4	-1.93	4.44	0.00	0.02	-6.37	0.254
		11	-386.26	19.88	638.8	0.11	0.25	0.001217	17.4	-3.27	2.49	0.02	0.01	-5.76	0.244
		12	-271.97	13.53	654.3	0.08	0.15	0.000705	17.4	-2.32	-1.53	-0.07	0.02	-3.85	0.164
		13	-216.13	16.75	908.7	0.06	0.18	0.000767	17.4	-1.85	-1.78	-0.05	0.02	-3.63	0.152
		14	-195.26	18.89	1078.4	0.06	0.19	0.000814	17.4	-1.68	-1.95	-0.02	0.03	-3.62	0.150
		15	-251.07	13.79	895.1	0.07	0.13	0.000531	17.4	-2.14	-1.35	0.03	0.03	-3.49	0.149
		16	-331.08	13.62	765.3	0.10	0.15	0.000691	17.4	-2.81	1.51	-0.05	0.03	-4.32	0.186
		17	-431.18	23.44	885.8	0.12	0.29	0.001408	17.4	-3.66	2.90	-0.02	0.02	-6.56	0.277
		18	-523.78	34.53	1219.1	0.15	0.44	0.002098	17.4	-4.47	4.36	-0.01	0.01	-8.84	0.369
3	PL1	1	-122.02	3.70	370.4	0.04	0.03	0.000087	0.0	-1.08	0.40	0.26	0.06	-1.56	0.068
		2	-171.36	1.20	13.3	0.05	0.02	0.000088	15.2	-1.51	0.16	-0.02	0.00	-1.67	0.076
		3	87.40	24.75	1024.5	-0.02	0.28	0.001316	17.4	0.69	-2.83	0.06	0.01	3.52	0.137
		4	-17.22	15.30	415.6	0.01	0.19	0.000960	17.4	-0.19	1.92	-0.03	0.01	-2.11	0.080
		5	-72.04	15.50	433.5	0.03	0.19	0.000967	17.4	-0.65	1.94	-0.01	0.01	-2.59	0.102
		6	-96.96	15.85	624.1	0.03	0.18	0.000873	17.4	-0.85	1.85	-0.02	0.01	-2.71	0.108
		7	-52.52	12.08	503.0	0.02	0.14	0.000643	17.4	-0.48	1.38	-0.03	0.01	-1.86	0.074
		8	15.23	16.16	432.4	0.00	0.20	0.001018	17.4	0.08	-2.03	0.02	0.01	2.12	0.079
		9	105.45	27.15	766.8	-0.02	0.34	0.001683	17.4	0.84	-3.40	0.00	0.02	4.23	0.165

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PLATFORM ASSESSMENT

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ETIM LB

ETIM LB PLATFORM ASSESSMENT

* * * P I L E M A X I M U M U N I T Y C H E C K S U M M A R Y * * *

PILE JT.	GRUP CASE	LOAD	***** AXIAL	PILEHEAD FORCES LATERAL	***** MOMENT	* PILEHEAD DISPLACEMENTS * AXIAL	LATERAL	ROTATION	***** STRESSES AT MAX. UNITY CHECK ***** DEPTH	AXIAL	FBY	FBZ	SHEAR	COMB.	UNITY CHECK
			KIPS	KIPS	IN-KIP	IN	IN	RAD	FT	-----	-----	KSI	-----	-----	
		10	198.04	38.63	1546.9	-0.05	0.46	0.002127	17.4	1.61	-4.55	0.02	0.03	6.16	0.243
		11	-218.16	28.22	1451.0	0.07	0.31	0.001357	17.4	-1.87	-3.09	0.09	0.03	-4.96	0.201
		12	-322.84	16.81	723.7	0.09	0.20	0.000981	17.4	-2.74	2.03	-0.08	0.03	-4.77	0.202
		13	-377.63	14.57	409.9	0.11	0.19	0.000971	15.2	-3.27	1.85	-0.02	0.05	-5.12	0.220
		14	-402.54	12.79	289.7	0.12	0.17	0.000859	15.2	-3.49	1.64	-0.03	0.04	-5.12	0.222
		15	-358.12	8.65	136.4	0.10	0.12	0.000620	15.2	-3.10	-1.16	0.00	0.02	-4.26	0.187
		16	-290.39	15.41	427.7	0.08	0.20	0.001016	15.2	-2.52	-1.94	0.00	0.05	-4.46	0.189
		17	-200.07	28.69	1073.3	0.06	0.35	0.001705	17.4	-1.72	-3.52	-0.04	0.03	-5.24	0.210
		18	-106.57	41.71	1980.0	0.03	0.48	0.002171	17.4	-0.93	-4.81	0.01	0.05	-5.74	0.221
4	PL1	1	-119.20	2.76	285.3	0.04	0.02	0.000089	0.0	-1.06	-0.21	0.30	0.05	-1.42	0.062
		2	-157.28	1.25	57.7	0.05	0.01	0.000063	15.2	-1.38	-0.13	-0.01	0.01	-1.52	0.069
		3	-91.70	24.88	1139.7	0.03	0.28	0.001257	17.4	-0.81	2.79	0.01	0.02	-3.60	0.141
		4	-107.04	15.46	681.0	0.03	0.17	0.000795	17.4	-0.94	1.74	-0.01	0.01	-2.68	0.108
		5	-86.37	13.55	557.7	0.03	0.15	0.000720	17.4	-0.77	1.55	-0.01	0.00	-2.32	0.093
		6	-26.27	13.61	583.0	0.01	0.15	0.000705	17.4	-0.26	-1.54	-0.01	0.01	-1.80	0.069
		7	48.66	12.51	576.9	-0.01	0.14	0.000617	17.4	0.36	-1.37	-0.01	0.01	1.74	0.068
		8	111.95	16.59	731.5	-0.02	0.18	0.000839	17.4	0.89	-1.84	0.00	0.01	2.74	0.110
		9	131.99	24.91	1014.2	-0.03	0.28	0.001320	17.4	1.06	-2.85	0.02	0.01	3.91	0.155
		10	49.42	34.24	1468.3	-0.01	0.39	0.001802	17.4	0.37	3.93	-0.01	0.02	4.30	0.163
		11	-380.19	23.19	899.5	0.11	0.28	0.001310	17.4	-3.22	2.78	-0.02	0.01	-6.00	0.252
		12	-395.52	13.31	415.7	0.11	0.17	0.000817	15.2	-3.42	1.60	-0.01	0.05	-5.02	0.218
		13	-374.79	12.17	481.8	0.11	0.15	0.000713	15.2	-3.25	1.41	-0.01	0.05	-4.66	0.202
		14	-314.73	13.94	751.4	0.09	0.15	0.000672	17.4	-2.68	-1.51	-0.05	0.02	-4.19	0.180
		15	-239.75	14.31	871.8	0.07	0.14	0.000583	17.4	-2.05	-1.44	-0.04	0.02	-3.48	0.148
		16	-176.42	18.75	1040.9	0.05	0.19	0.000834	17.4	-1.52	-1.96	0.01	0.03	-3.48	0.143
		17	-156.41	26.40	1223.7	0.05	0.30	0.001349	17.4	-1.35	-2.98	0.06	0.02	-4.33	0.173
		18	-239.92	34.21	1440.2	0.07	0.40	0.001863	17.4	-2.05	4.03	-0.05	0.02	-6.08	0.244

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* * * P I L E M A X I M U M A X I A L C A P A C I T Y S U M M A R Y * * *																	
PILE JT	GRP	***** P I L E *****				***** C O M P R E S S I O N *****					***** T E N S I O N *****					*MAXIMUM* UNITY LOAD CHECK CASE	
		PILEHEAD		WEIGHT KIPS	PEN. FT	CAPACITY (INCL. WT) KIPS	MAX. LOAD KIPS	CRITICAL CONDITION			CAPACITY (INCL. WT) KIPS	MAX. LOAD KIPS	CRITICAL CONDITION				
		O.D. IN	THK. IN					LOAD KIPS	LOAD KIPS	SAFETY CASE			LOAD KIPS	LOAD KIPS	SAFETY CASE		
1	PL1	30.00	1.25	63.7	217.0	-2235.4	-413.7	-413.7	17	5.40	2323.5	93.8	93.8	4	24.76	0.37	17
2	PL1	30.00	1.25	63.7	217.0	-2235.4	-523.8	-523.8	18	4.27	2323.5	103.8	103.8	6	22.38	0.47	18
3	PL1	30.00	1.25	63.7	217.0	-2235.4	-402.5	-402.5	14	5.55	2323.5	198.0	198.0	10	11.73	0.36	14
4	PL1	30.00	1.25	63.7	217.0	-2235.4	-395.5	-395.5	12	5.65	2323.5	132.0	132.0	9	17.60	0.35	12

SACS PILE RESULTS - STORM

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ETIM LB

PLATFORM ASSESSMENT

* * * P I L E M A X I M U M U N I T Y C H E C K S U M M A R Y * * *

PILE JT.	GRUP	LOAD CASE	***** AXIAL KIPS	PILEHEAD FORCES LATERAL KIPS	***** MOMENT IN-KIP	* PILEHEAD DISPLACEMENTS * AXIAL IN	LATERAL IN	ROTATION RAD	***** STRESSES AT MAX. UNITY CHECK ***** DEPTH FT	AXIAL ----- -----	FBY ----- -----	FBZ KSI	SHEAR ----- -----	COMB. ----- -----	UNITY CHECK
1	PL1	11	-157.80	38.91	2004.3	0.05	0.43	0.001866	17.4	-1.36	-4.28	-0.11	0.05	-5.65	0.167
		12	-123.87	30.67	1248.2	0.04	0.37	0.001742	17.4	-1.08	-3.67	0.01	0.03	-4.74	0.140
		13	-168.61	27.51	774.5	0.05	0.35	0.001764	17.4	-1.45	3.53	-0.05	0.02	-4.99	0.149
		14	-279.02	21.65	555.5	0.08	0.28	0.001408	17.4	-2.38	2.81	-0.02	0.02	-5.18	0.161
		15	-386.09	12.11	388.1	0.11	0.15	0.000736	15.2	-3.34	1.44	0.01	0.04	-4.79	0.157
		16	-517.27	30.20	945.9	0.15	0.39	0.001896	17.4	-4.42	3.88	0.05	0.01	-8.29	0.262
		17	-505.43	42.96	1331.8	0.15	0.58	0.002840	17.4	-4.31	-5.78	-0.07	0.02	-10.09	0.311
		18	-345.63	40.24	1730.2	0.10	0.49	0.002333	17.4	-2.93	-4.94	-0.11	0.05	-7.88	0.240
2	PL1	11	-444.89	32.51	1222.6	0.13	0.40	0.001895	17.4	-3.78	3.99	0.01	0.01	-7.77	0.243
		12	-246.94	22.57	999.8	0.07	0.26	0.001189	17.4	-2.11	-2.59	-0.07	0.02	-4.70	0.145
		13	-139.49	27.83	1351.9	0.04	0.31	0.001369	17.4	-1.21	-3.08	-0.06	0.03	-4.29	0.128
		14	-105.25	30.46	1572.9	0.03	0.33	0.001430	17.4	-0.92	-3.29	-0.02	0.04	-4.22	0.124
		15	-221.86	18.58	1115.2	0.07	0.19	0.000773	17.4	-1.90	-1.88	0.03	0.03	-3.78	0.119
		16	-366.99	27.23	1318.2	0.11	0.31	0.001434	17.4	-3.11	3.13	-0.03	0.04	-6.24	0.195
		17	-537.87	42.00	1726.2	0.16	0.53	0.002483	17.4	-4.60	5.27	0.01	0.04	-9.87	0.307
		18	-582.55	42.46	1637.6	0.17	0.54	0.002564	17.4	-4.99	5.42	-0.01	0.02	-10.41	0.325
3	PL1	11	-160.15	42.68	2117.4	0.05	0.48	0.002162	17.4	-1.38	-4.86	0.11	0.06	-6.24	0.183
		12	-339.54	28.98	1051.6	0.10	0.36	0.001780	17.4	-2.88	3.64	-0.09	0.03	-6.52	0.202
		13	-443.72	26.46	687.6	0.13	0.35	0.001749	17.4	-3.77	3.48	-0.06	0.02	-7.25	0.228
		14	-485.15	24.05	754.9	0.14	0.30	0.001492	17.4	-4.13	3.05	-0.04	0.01	-7.18	0.229
		15	-389.46	14.76	384.0	0.11	0.19	0.000955	15.2	-3.37	-1.84	0.01	0.05	-5.21	0.169
		16	-271.52	32.08	830.4	0.08	0.42	0.002108	17.4	-2.31	-4.21	-0.01	0.02	-6.53	0.198
		17	-112.82	48.58	1754.8	0.04	0.63	0.003036	17.4	-0.99	-6.30	-0.02	0.04	-7.28	0.210
		18	-50.29	49.89	2377.2	0.02	0.59	0.002656	17.4	-0.46	-5.88	0.02	0.07	-6.35	0.180
4	PL1	11	-442.34	37.93	1642.1	0.13	0.45	0.002087	17.4	-3.75	4.53	-0.02	0.03	-8.29	0.257
		12	-489.69	25.11	963.7	0.14	0.30	0.001438	17.4	-4.17	3.04	-0.01	0.00	-7.21	0.230
		13	-452.55	22.65	903.4	0.13	0.27	0.001285	17.4	-3.84	2.72	0.01	0.01	-6.56	0.210
		14	-337.34	24.48	1205.6	0.10	0.27	0.001232	17.4	-2.86	-2.75	-0.05	0.03	-5.61	0.176
		15	-211.46	20.64	1168.9	0.06	0.21	0.000900	17.4	-1.81	-2.14	-0.05	0.03	-3.96	0.123
		16	-53.12	35.87	1820.5	0.02	0.39	0.001719	17.4	-0.49	-3.93	0.02	0.05	-4.41	0.126
		17	-49.77	44.85	2059.9	0.02	0.52	0.002369	17.4	-0.46	-5.23	0.08	0.05	-5.69	0.162
		18	-226.29	41.73	1812.3	0.07	0.50	0.002280	17.4	-1.94	4.97	-0.05	0.03	-6.90	0.206

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* * * P I L E M A X I M U M A X I A L C A P A C I T Y S U M M A R Y * * *															
PILE JT	GRP	***** P I L E *****				***** C O M P R E S S I O N *****					***** T E N S I O N *****				
		PILEHEAD O.D. IN	THK. IN	WEIGHT KIPS	PEN. FT	CAPACITY (INCL. WT) KIPS	MAX. LOAD KIPS	CRITICAL LOAD KIPS	CONDITION LOAD SAFETY CASE FACTOR	CAPACITY (INCL. WT) KIPS	MAX. LOAD KIPS	CRITICAL LOAD KIPS	CONDITION LOAD SAFETY CASE FACTOR	*MAXIMUM* UNITY LOAD CHECK CASE	
1	PL1	30.00	1.25	63.7	217.0	-2235.4	-517.3	-517.3	16 4.32	2323.5	0.0	0.0	11 100.00	0.35	16
2	PL1	30.00	1.25	63.7	217.0	-2235.4	-582.6	-582.6	18 3.84	2323.5	0.0	0.0	11 100.00	0.39	18
3	PL1	30.00	1.25	63.7	217.0	-2235.4	-485.2	-485.2	14 4.61	2323.5	0.0	0.0	11 100.00	0.33	14
4	PL1	30.00	1.25	63.7	217.0	-2235.4	-489.7	-489.7	12 4.57	2323.5	0.0	0.0	11 100.00	0.33	12

SACS FATIGUE RESULTS

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL OU-PL	FATIGUE RESULTS DAMAGE LOC SVC LIFE	REQUIRED OD (IN)	WT (IN)
101	101- 119	H1A	TUB	26.00	0.484	Y	BRC	55.85		4.03	4.72	2.15 3.66	.20246-2 T 14817.98		
101	101-201L	LG2	TUB	35.00	1.899	Y	CHD	55.85		5.74	4.04	1.74 4.16	.40675-2 T 7375.625		
101	109- 101	H3	TUB	14.00	0.375	K	BRC	55.85	2.00	3.40	4.30	2.01 2.86	.46748-4 B 641734.5		
101	101-201L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.19	3.23	1.50 2.34	.27694-4 B 1083274.		
101	101- 205	V1D	TUB	26.00	0.413	K	BRC	55.85	2.00	3.39	2.20	2.45 1.70	.15376-3 T 195112.1		
101	101-201L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.32	2.71	1.50 1.77	.12517-3 T 239665.1		

105	105- 109	H3	TUB	14.00	0.375	T	BRC	58.50		1.84	20.61	4.02 12.37	.0103596 L 2895.867		
105	105- 205	V1F	TUB	26.00	0.469	T	CHD	58.50		3.93	34.21	5.30 17.40	.1021414 L 293.7106		
105	199- 105	H3	TUB	14.00	0.375	T	BRC	58.50		1.91	20.53	4.02 12.39	.0224192 R 1338.141		
105	105- 205	V1F	TUB	26.00	0.469	T	CHD	58.50		4.15	33.89	5.30 17.43	.2136974 R 140.3854		
105	105- 119	H3A	TUB	14.00	0.350	T	BRC	58.50		1.89	19.86	3.94 12.00	.0181661 L 1651.425		
105	105- 205	V1F	TUB	26.00	0.469	T	CHD	58.50		3.90	31.58	5.00 16.27	.1498870 L 200.1508		
105	108- 105	H3A	TUB	14.00	0.350	T	BRC	58.50		1.79	19.98	3.94 11.98	.79687-2 R 3764.742		
105	105- 205	V1F	TUB	26.00	0.469	T	CHD	58.50		3.60	32.01	5.00 16.23	.0676144 R 443.6923		

108	109- 108	H7C	TUB	10.75	0.340	Y	BRC	35.25		7.22	7.40	3.17 6.75	.20997-4 L 1428808.		
108	108- 105	H3A	TUB	14.00	0.350	Y	CHD	35.25		15.08	17.60	3.75 11.75	.34886-3 L 85994.80		

109	109- 108	H7C	TUB	10.75	0.340	Y	BRC	35.25		6.95	6.79	3.09 6.12	.15093-4 L 1987687.		
109	105- 109	H3	TUB	14.00	0.375	Y	CHD	35.25		14.01	15.64	3.42 10.23	.20319-3 R 147643.4		

119	101- 119	H1A	TUB	26.00	0.484	K	BRC	55.85	2.01	2.84	2.92	2.15 4.22	.12435-2 B 24125.20		
119	119-219L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.30	3.09	1.74 4.79	.12808-2 B 23423.58		
119	119- 199	H2A	TUB	18.00	0.331	K	BRC	55.85	2.00	3.00	3.40	2.01 3.59	.34571-3 BL 86778.02		
119	119-219L	LG2	TUB	35.00	1.899	K	CHD	55.85		2.70	2.66	1.50 2.93	.23871-3 BL 125676.8		

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL	OU-PL	FATIGUE RESULTS DAMAGE	LOC	SVC	LIFE	REQUIRED OD (IN)	WT (IN)
119	105- 119	H3A	TUB	14.00	0.350	K	BRC	55.85	2.00	3.34	3.99	1.98	2.89	.95412-4	TL	314424.7			
119	119-219L	LG2	TUB	35.00	1.899	K	CHD	55.85		2.96	2.98	1.50	2.28	.55577-4	T	539795.6			
119	201L- 119	V1B	TUB	26.00	0.488	K	BRC	55.85	2.01	2.53	2.33	2.35	3.38	.20814-3	T	144133.1			
119	119-219L	LG2	TUB	35.00	1.899	K	CHD	55.85		2.91	2.77	1.50	3.86	.38448-3	TL	78027.43			
119	205- 119	V1E	TUB	26.00	0.425	K	BRC	55.85	2.00	3.36	2.20	2.47	1.73	.32780-3	T	91519.78			
119	119-219L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.36	2.76	1.50	1.83	.21005-3	T	142824.7			
119	299L- 119	V4A	TUB	26.00	0.492	K	BRC	55.85	2.00	3.17	2.52	2.42	2.45	.71403-4	TR	420150.6			
119	119-219L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.72	3.37	1.50	2.81	.20386-3	R	147163.2			

181	181- 199	H1	TUB	26.00	0.500	K	BRC	55.85	2.00	3.25	3.53	2.16	4.09	.68561-3	B	43756.69			
181	181-281L	LG2	TUB	35.00	1.899	K	CHD	55.85		4.20	3.50	1.78	4.73	.64403-3	B	46581.34			
181	181- 108	H3A	TUB	14.00	0.350	K	BRC	55.85	2.00	3.33	4.10	1.98	2.86	.74740-4	B	401391.0			
181	181-281L	LG2	TUB	35.00	1.899	K	CHD	55.85		2.98	3.00	1.50	2.25	.44696-4	B	671195.4			
181	181- 205	V1G	TUB	26.00	0.457	K	BRC	55.85	2.00	3.61	2.28	2.51	1.72	.45345-3	T	66159.09			
181	181-281L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.76	3.06	1.50	1.90	.41329-3	T	72587.56			
181	299L- 181	V4A	TUB	26.00	0.492	K	BRC	55.85	2.00	3.45	2.84	2.35	2.82	.29205-3	TL	102722.5			
181	181-281L	LG2	TUB	35.00	1.899	K	CHD	55.85		4.16	3.75	1.50	3.23	.93026-3	TL	32249.04			

199	181- 199	H1	TUB	26.00	0.500	Y	BRC	55.85		4.07	4.78	2.16	3.72	.83094-3	T	36103.70			
199	199-299L	LG2	TUB	35.00	1.899	Y	CHD	55.85		5.94	4.19	1.78	4.29	.12112-2	T	24769.10			
199	119- 199	H2A	TUB	18.00	0.331	Y	BRC	55.85		3.32	4.64	2.01	2.96	.33770-3	R	88836.81			
199	199-299L	LG2	TUB	35.00	1.899	Y	CHD	55.85		3.17	3.04	1.50	2.41	.17913-3	TR	167473.5			
199	199- 105	H3	TUB	14.00	0.375	K	BRC	55.85	2.01	3.42	4.10	2.01	3.00	.74035-4	TR	405213.4			
199	199-299L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.16	3.19	1.50	2.45	.45771-4	TR	655433.3			
199	205- 199	V1F	TUB	26.00	0.469	K	BRC	55.85	2.01	3.49	2.26	2.53	1.80	.69312-4	T	432827.4			
199	199-299L	LG2	TUB	35.00	1.899	K	CHD	55.85		3.72	3.06	1.50	2.01	.55365-4	TR	541857.1			

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD	WT	JNT	MEM	CHORD LEN.	GAP	* STRESS	CONC.	FACTORS *	FATIGUE	RESULTS	REQUIRED	
		ID	ID	(IN)	(IN)	TYP	TYP	(FT)	(IN)	AX-CR	AX-SD	IN-PL	OU-PL	DAMAGE	LOC	SVC LIFE
205	205-219L	H6A	TUB	12.75	0.358	K	BRC	52.95	2.00	7.54	9.10	4.05	13.07	.2648173	L	113.2857
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		9.95	12.07	5.17	17.46	.9650554	L	31.08630
205	205-299L	H6A	TUB	12.75	0.358	K	BRC	52.95	2.00	6.66	10.75	4.05	13.08	.4332941	R	69.23705
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		8.89	15.21	5.17	17.47	1.578643	R	19.00367
205	209-205	H6B	TUB	12.75	0.339	K	BRC	52.95	2.00	6.16	10.98	3.98	12.51	1.430385	L	20.97337
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		8.24	15.32	4.94	16.22	5.553733	L	5.401772
205	208-205	H6C	TUB	12.75	0.354	K	BRC	52.95	2.00	7.49	9.02	4.04	13.24	.5893071	R	50.90725
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		9.83	11.95	5.13	17.58	2.070479	R	14.48940
205	101-205	V1D	TUB	26.00	0.413	K	BRC	52.95	2.00	3.41	3.33	2.53	7.66	.38144-2	R	7864.989
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		7.36	6.88	3.04	14.06	.0967771	R	309.9906
205	205-119	V1E	TUB	26.00	0.425	K	BRC	52.95	2.00	3.61	3.41	2.55	7.50	.47218-2	R	6353.490
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		7.98	6.99	3.11	13.98	.1149255	R	261.0387
205	205-199	V1F	TUB	26.00	0.469	K	BRC	52.95	2.00	3.24	3.49	2.61	5.76	.18376-2	L	16326.01
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		7.66	7.25	3.38	11.34	.0581737	L	515.6973
205	181-205	V1G	TUB	26.00	0.457	K	BRC	52.95	2.00	3.66	3.51	2.59	7.94	.18495-2	L	16220.56
205	105-205	V1F	TUB	26.00	0.469	K	CHD	52.95		8.18	7.57	3.31	15.41	.0601417	L	498.8223

208	209-208	H7D	TUB	10.75	0.330	Y	BRC	37.34		8.73	6.14	2.95	5.67	.38780-5	T	7735874.
208	208-205	H6C	TUB	12.75	0.354	Y	CHD	37.34		17.77	15.64	3.29	9.95	.66105-4	L	453820.3
209	209-208	H7D	TUB	10.75	0.330	Y	BRC	37.34		8.97	6.47	2.99	6.03	.82879-5	TR	3619736.
209	209-205	H6B	TUB	12.75	0.339	Y	CHD	37.34		18.59	16.78	3.48	10.85	.83722-4	TR	358328.8

307	308-307	H7E	TUB	10.75	0.345	Y	BRC	19.96		5.23	5.57	2.95	5.75	.14352-5	TR	20903.+3
307	307-310	H6D	TUB	12.75	0.362	Y	CHD	19.96		11.16	12.29	3.35	10.19	.21879-4	R	1371170.

308	308-307	H7E	TUB	10.75	0.345	Y	BRC	19.61		5.20	5.71	2.98	5.93	.86628-5	R	3463096.
308	308-310	H6C	TUB	12.75	0.354	Y	CHD	19.61		11.29	12.72	3.45	10.66	.19096-3	R	157100.7

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP ID	TYPE ID	ORIGINAL		JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS *		FATIGUE RESULTS		REQUIRED	
				OD (IN)	WT (IN)							IN-PL	OU-PL	DAMAGE	LOC	SVC	LIFE
309 309	309-401L	312 309	H8A LG5	TUB TUB	8.00 35.00	0.366 1.549	Y Y	BRC CHD	73.12 73.12		3.55 3.31	4.88 3.17	1.91 1.50	2.12 1.58	.0901819 .0381365	R R	332.6611 786.6483

310 310	308-307-	310 310	H6C H6D	TUB TUB	12.75 12.75	0.354 0.362	Y Y	BRC CHD	26.04 26.04		2.67 4.77	3.91 6.47	2.62 3.50	2.37 4.51	.33209-5 .37695-4	BR R	9033660. 795863.9
310 310	310-399L 310-319L	H6C H6D	TUB TUB	12.75 12.75	0.354 0.362	Y Y	BRC CHD	26.04 26.04		2.62 4.63	3.90 6.47	2.62 3.50	2.34 4.45	.49294-5 .48170-4	BR BR	6085964. 622794.1	
310 310	205-307-	310 310	V3A H6D	TUB TUB	12.00 12.75	0.361 0.362	T T	BRC CHD	26.04 26.04		7.30 18.73	6.72 10.14	2.74 3.82	7.22 13.63	.98774-4 .17208-2	BL L	303723.2 17433.38

312 312	309-401L	312 312	H8A V2A	TUB TUB	8.00 16.00	0.366 0.374	Y Y	BRC CHD	43.27 43.27		5.83 10.87	6.59 14.12	3.63 3.80	4.90 7.43	.4958331 4.861302	L L	60.50423 6.171186
405 405	405-405-	462 414	H3 H3	TUB TUB	14.00 14.00	0.375 0.375	Y Y	BRC CHD	9.73 9.73		2.13 3.96	3.99 6.89	2.66 3.60	2.70 5.21	.0910426 1.111951	L L	329.5160 26.97961
405 405	415-408-	405 405	H3 H3	TUB TUB	14.00 14.00	0.375 0.375	Y Y	BRC CHD	9.73 9.73		2.11 3.85	3.98 6.87	2.66 3.60	2.62 5.05	.1732174 1.267911	TL TL	173.1928 23.66097

414 414	423-414-	414 460	H9 H3	TUB TUB	6.50 14.00	0.237 0.375	Y Y	BRC CHD	6.46 6.46		2.30 3.41	6.00 8.73	3.16 2.88	5.14 5.99	.81143-2 .0363264	BR L	3697.172 825.8461

415 415	425-409-	415 415	H4 H3	TUB TUB	8.63 14.00	0.375 0.375	Y Y	BRC CHD	6.84 6.84		2.25 5.31	7.13 14.41	3.45 4.17	7.03 11.43	.2914214 .9018487	B B	102.9437 33.26500

420 420	420-420-	422 459	H4 H3	TUB TUB	8.63 14.00	0.375 0.375	T T	BRC CHD	9.98 9.98		2.71 6.61	12.19 20.20	3.43 4.89	10.29 16.73	.7534702 4.699313	L L	39.81578 6.383912

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL	OU-PL	FATIGUE RESULTS DAMAGE LOC SVC LIFE	REQUIRED OD (IN)	WT (IN)
421	421-	423	H9	TUB	6.50	0.237	T	BRC	3.20	2.07	7.38	3.14	6.74	.1006877	R	297.9510
421	458-	421	H3	TUB	14.00	0.375	T	CHD	3.20	2.89	9.95	3.38	7.85	.2721457	R	110.2351

428	428-	425	H11	TUB	2.00	0.570	Y	BRC	13.08	4.19	3.85	2.98	1.84	.16259-3	B	184507.9
428	428-	420	H3	TUB	14.00	0.375	Y	CHD	13.08	11.36	8.63	2.84	2.89	.0125862	B	2383.564

201L	201L-219L	H2B	TUB	18.00	0.354	K	BRC	83.27	2.00	3.29	4.04	2.19	4.70	.18501-2	R	16215.41
201L	201L-301L	LG3	TUB	35.00	1.549	K	CHD	83.27		3.46	3.22	1.50	4.01	.16857-2	R	17796.39
201L	201L-281L	H5A	TUB	16.00	0.339	Y	BRC	83.27		3.62	5.60	2.16	3.42	.21653-2	R	13854.62
201L	201L-301L	LG3	TUB	35.00	1.549	Y	CHD	83.27		4.17	3.79	1.50	2.77	.93878-3	R	31956.38
201L	201L- 209	H6B	TUB	12.75	0.339	Y	BRC	83.27		3.55	5.33	2.10	2.93	.0110516	L	2714.538
201L	201L-301L	LG3	TUB	35.00	1.549	Y	CHD	83.27		3.75	3.56	1.50	2.24	.36499-2	BL	8219.497
201L	201L- 119	V1B	TUB	26.00	0.488	K	BRC	83.27	2.00	3.94	3.93	2.34	4.13	.10385-2	T	28886.50
201L	101-201L	LG2	TUB	35.00	1.549	K	CHD	83.27		5.78	4.78	1.80	4.75	.49860-2	T	6016.798

219L	201L-219L	H2B	TUB	18.00	0.354	K	BRC	83.27	2.01	3.30	3.93	2.19	4.53	.17070-2	L	17574.48
219L	219L-319L	LG3	TUB	35.00	1.549	K	CHD	83.27		3.42	3.22	1.50	3.87	.17250-2	L	17391.24
219L	219L-299L	H5B	TUB	16.00	0.358	K	BRC	83.27	2.00	3.34	4.09	2.18	3.76	.34599-2	R	8670.854
219L	219L-319L	LG3	TUB	35.00	1.549	K	CHD	83.27		3.35	3.21	1.50	3.13	.27420-2	R	10941.00
219L	205-219L	H6A	TUB	12.75	0.358	Y	BRC	83.27		3.60	5.45	2.13	3.00	.17419-2	R	17222.40
219L	219L-319L	LG3	TUB	35.00	1.549	Y	CHD	83.27		3.96	3.78	1.50	2.37	.68456-3	BR	43823.79
219L	301L-219L	V1A	TUB	26.00	0.496	K	BRC	83.27	2.01	3.41	2.99	2.45	3.50	.11328-2	T	26482.30
219L	219L-319L	LG3	TUB	35.00	1.549	K	CHD	83.27		4.58	4.22	1.64	4.06	.32127-2	T	9338.005
219L	399L-219L	V5B	TUB	18.00	0.350	K	BRC	83.27	2.00	2.64	2.51	2.41	2.74	.13518-2	L	22191.93
219L	219L-319L	LG3	TUB	35.00	1.549	K	CHD	83.27		2.49	2.42	1.50	2.33	.15164-2	L	19784.30

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL	OU-PL	FATIGUE DAMAGE	RESULTS LOC	SVC	LIFE	REQUIRED OD (IN)	WT (IN)
281L	281L-299L	H2C	TUB	18.00	0.358	K	BRC	83.27	2.00	3.39	4.25	2.20	4.41	.48030-2	L	6246.050			
281L	281L-381L	LG3	TUB	35.00	1.549	K	CHD	83.27		3.66	3.40	1.50	3.79	.51726-2	L	5799.813			
281L	201L-281L	H5A	TUB	16.00	0.339	K	BRC	83.27	2.01	3.18	3.64	2.16	3.76	.15165-2	R	19782.00			
281L	281L-381L	LG3	TUB	35.00	1.549	K	CHD	83.27		2.97	2.88	1.50	3.04	.10679-2	R	28091.50			
281L	281L- 208	H6C	TUB	12.75	0.354	Y	BRC	83.27		3.59	5.43	2.12	2.98	.59500-2	R	5042.029			
281L	281L-381L	LG3	TUB	35.00	1.549	Y	CHD	83.27		3.92	3.73	1.50	2.34	.19680-2	BR	15243.85			
281L	281L-399L	V1	TUB	26.00	0.500	K	BRC	83.27	2.00	3.21	2.88	2.46	3.58	.14552-2	T	20615.60			
281L	281L-381L	LG3	TUB	35.00	1.549	K	CHD	83.27		4.28	3.99	1.65	4.18	.46795-2	TR	6411.004			
281L	301L-281L	V5A	TUB	18.00	0.358	K	BRC	83.27	2.01	2.94	2.75	2.42	2.55	.55492-2	T	5406.229			
281L	281L-381L	LG3	TUB	35.00	1.549	K	CHD	83.27		2.86	2.75	1.50	2.20	.66680-2	TL	4499.093			

299L	281L-299L	H2C	TUB	18.00	0.358	K	BRC	83.27	2.00	3.18	3.62	2.20	4.98	.40196-2	R	7463.461			
299L	299L-399L	LG3	TUB	35.00	1.549	K	CHD	83.27		3.18	3.04	1.50	4.28	.38962-2	R	7699.874			
299L	219L-299L	H5B	TUB	16.00	0.358	K	BRC	83.27	2.01	3.35	3.90	2.18	4.63	.14638-2	R	20494.61			
299L	299L-399L	LG3	TUB	35.00	1.549	K	CHD	83.27		3.28	3.18	1.50	3.86	.11658-2	R	25732.93			
299L	205-299L	H6A	TUB	12.75	0.358	Y	BRC	83.27		3.60	5.45	2.13	3.00	.14806-3	R	202616.2			
299L	299L-399L	LG3	TUB	35.00	1.549	Y	CHD	83.27		3.96	3.78	1.50	2.37	.76616-4	T	391561.0			
299L	299L- 119	V4A	TUB	26.00	0.492	K	BRC	83.27	2.01	3.25	3.15	2.37	4.07	.20286-3	L	147884.8			
299L	199-299L	LG2	TUB	35.00	1.549	K	CHD	83.27		4.38	4.01	1.76	4.71	.96275-3	L	31160.61			
299L	299L- 181	V4A	TUB	26.00	0.492	K	BRC	83.27	2.00	3.21	3.20	2.34	4.41	.73099-3	TR	41039.97			
299L	199-299L	LG2	TUB	35.00	1.549	K	CHD	83.27		4.28	3.87	1.81	5.10	.24196-2	TR	12398.60			

301L	301L-319L	H3B	TUB	14.00	0.362	K	BRC	74.17	2.00	3.44	3.82	2.16	4.70	.0146255	TR	2051.207			
301L	301L-A001	LG4	TUB	35.00	1.549	K	CHD	74.17		3.10	3.11	1.50	3.81	.0112500	TR	2666.657			
301L	301L- 308	H6C	TUB	12.75	0.354	Y	BRC	74.17		3.48	5.38	2.12	2.98	.45881-3	L	65386.56			
301L	301L-A001	LG4	TUB	35.00	1.549	Y	CHD	74.17		3.64	3.72	1.50	2.34	.23658-3	L	126805.9			

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL	OU-PL	FATIGUE RESULTS DAMAGE	LOC	SVC	LIFE	REQUIRED OD (IN)	WT (IN)
301L	301L-381L	H6E	TUB	12.75	0.366	K	BRC	74.17	2.00	3.38	3.70	2.13	3.67	.0245755	T	1220.726			
301L	301L-A001	LG4	TUB	35.00	1.549	K	CHD	74.17		2.91	2.92	1.50	2.94	.0184456	T	1626.406			
301L	301L-219L	V1A	TUB	26.00	0.496	K	BRC	74.17	2.00	3.35	3.43	2.34	4.30	.10831-2	TR	27698.37			
301L	201L-301L	LG3	TUB	35.00	1.549	K	CHD	74.17		4.55	4.16	1.83	5.00	.44446-2	TR	6749.830			
301L	301L-281L	V5A	TUB	18.00	0.358	K	BRC	74.17	2.00	2.80	2.98	2.29	3.47	.16913-2	R	17737.84			
301L	201L-301L	LG3	TUB	35.00	1.549	K	CHD	74.17		2.71	2.74	1.50	2.99	.20564-2	R	14588.46			

319L	301L-319L	H3B	TUB	14.00	0.362	K	BRC	74.17	2.01	3.33	3.92	2.16	3.54	.73560-2	BR	4078.311			
319L	319L-A002	LG4	TUB	35.00	1.549	K	CHD	74.17		3.05	3.07	1.50	2.87	.63304-2	B	4739.068			
319L	310-319L	H6D	TUB	12.75	0.362	Y	BRC	74.17		3.49	5.42	2.13	3.01	.57010-3	L	52622.17			
319L	319L-A002	LG4	TUB	35.00	1.549	Y	CHD	74.17		3.72	3.81	1.50	2.40	.26996-3	R	111128.3			
319L	319L-399L	H6E	TUB	12.75	0.366	K	BRC	74.17	2.01	3.51	4.01	2.13	3.27	.53929-2	R	5562.847			
319L	319L-A002	LG4	TUB	35.00	1.549	K	CHD	74.17		3.14	3.16	1.50	2.61	.37104-2	R	8085.486			
319L	312-319L	V2A	TUB	16.00	0.374	K	BRC	74.17	2.01	2.57	2.54	2.42	2.71	.5380950	R	55.75224			
319L	319L-A002	LG4	TUB	35.00	1.549	K	CHD	74.17		2.39	2.36	1.50	2.31	.5185524	R	57.85337			
319L	319L-499L	V2D	TUB	16.00	0.358	K	BRC	74.17	2.01	2.34	2.18	2.49	2.26	7.563835	T	3.966242			
319L	319L-A002	LG4	TUB	35.00	1.549	K	CHD	74.17		2.10	2.00	1.50	1.92	1.696522	T	17.68324			

381L	381L-399L	H3B	TUB	14.00	0.362	K	BRC	74.04	2.00	3.33	3.95	2.16	3.54	.0171430	BL	1749.986			
381L	381L- 389	LG4	TUB	35.00	1.549	K	CHD	74.04		3.07	3.09	1.50	2.87	.0123484	BL	2429.469			
381L	381L- 307	H6D	TUB	12.75	0.362	Y	BRC	74.04		3.49	5.42	2.13	3.01	.28137-2	L	10662.06			
381L	381L- 389	LG4	TUB	35.00	1.549	Y	CHD	74.04		3.72	3.81	1.50	2.40	.15675-2	BL	19138.54			
381L	301L-381L	H6E	TUB	12.75	0.366	K	BRC	74.04	2.02	3.51	4.02	2.13	3.28	.0477868	BL	627.7878			
381L	381L- 389	LG4	TUB	35.00	1.549	K	CHD	74.04		3.14	3.16	1.50	2.62	.0362930	B	826.6060			
381L	381L-499L	V2B	TUB	16.00	0.378	K	BRC	74.04	2.00	2.54	2.51	2.42	2.74	19.83476	B	1.512496			
381L	381L- 389	LG4	TUB	35.00	1.549	K	CHD	74.04		2.37	2.34	1.50	2.35	8.797432	BL	3.410086			

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL	OU-PL	FATIGUE RESULTS DAMAGE	LOC	SVC	LIFE	REQUIRED OD (IN)	WT (IN)
381L	381L-401L	V2C	TUB	16.00	0.370	K	BRC	74.04	2.02	2.33	2.19	2.51	2.29	6.789900	T	4.418327			
381L	381L-389	LG4	TUB	35.00	1.549	K	CHD	74.04		2.13	2.04	1.50	1.96	1.382520	T	21.69951			

399L	381L-399L	H3B	TUB	14.00	0.362	K	BRC	74.04	2.00	3.43	3.72	2.16	4.78	.0108451	TR	2766.222			
399L	399L-384	LG4	TUB	35.00	1.549	K	CHD	74.04		3.06	3.07	1.50	3.88	.82362-2	TR	3642.436			
399L	310-399L	H6C	TUB	12.75	0.354	Y	BRC	74.04		3.48	5.37	2.12	2.98	.77436-4	R	387415.5			
399L	399L-384	LG4	TUB	35.00	1.549	Y	CHD	74.04		3.63	3.72	1.50	2.34	.38136-4	R	786660.8			
399L	319L-399L	H6E	TUB	12.75	0.366	K	BRC	74.04	2.00	3.39	3.84	2.13	3.61	.39042-2	R	7684.004			
399L	399L-384	LG4	TUB	35.00	1.549	K	CHD	74.04		2.98	3.00	1.50	2.89	.20753-2	R	14455.62			
399L	281L-399L	V1	TUB	26.00	0.500	K	BRC	74.04	2.00	3.34	3.42	2.35	4.32	.12478-2	TR	24041.77			
399L	299L-399L	LG3	TUB	35.00	1.549	K	CHD	74.04		4.53	4.17	1.85	5.04	.52274-2	TR	5738.949			
399L	399L-219L	V5B	TUB	18.00	0.350	K	BRC	74.04	2.00	2.82	3.04	2.28	3.42	.20512-2	TR	14625.23			
399L	299L-399L	LG3	TUB	35.00	1.549	K	CHD	74.04		2.73	2.76	1.50	2.90	.22450-2	TR	13363.05			

401L	401L-435	H3	TUB	14.00	0.375	Y	BRC	38.59		3.03	5.31	2.18	3.27	3.374874	L	8.889220			
401L	401L-501L	LG6	TUB	35.00	1.549	Y	CHD	38.59		2.73	4.04	1.50	2.70	2.401112	L	12.49421			
401L	401L-419L	H3	TUB	14.00	0.375	K	BRC	38.59	2.00	3.12	4.04	2.17	3.68	.0161828	TL	1853.822			
401L	401L-501L	LG6	TUB	35.00	1.549	K	CHD	38.59		2.68	3.20	1.50	3.05	.86926-2	TL	3451.202			
401L	401L-434	H6	TUB	12.38	0.375	K	BRC	38.59	2.00	3.23	4.38	2.13	3.29	9.889787	R	3.033432			
401L	401L-501L	LG6	TUB	35.00	1.549	K	CHD	38.59		2.74	3.37	1.50	2.65	6.621684	R	4.530570			
401L	401L-312	V2A	TUB	16.00	0.374	K	BRC	38.59	2.00	2.84	3.55	2.29	3.18	1.590532	L	18.86161			
401L	401L-309	LG5	TUB	35.00	1.549	K	CHD	38.59		2.51	3.07	1.50	2.71	1.471349	L	20.38945			
401L	381L-401L	V2C	TUB	16.00	0.370	K	BRC	38.59	2.00	2.66	2.89	2.34	2.93	18.73580	B	1.601213			
401L	401L-309	LG5	TUB	35.00	1.549	K	CHD	38.59		2.34	2.58	1.50	2.48	6.861412	B	4.372278			

* * * M E M B E R F A T I G U E R E P O R T * * *
(JOINT ORDER)

JOINT	MEMBER	GRUP	TYPE	ORIGINAL OD (IN)	WT (IN)	JNT TYP	MEM TYP	CHORD LEN. (FT)	GAP (IN)	* STRESS AX-CR	CONC. AX-SD	FACTORS * IN-PL	OU-PL	FATIGUE DAMAGE	RESULTS LOC	SVC	LIFE	REQUIRED OD (IN)	WT (IN)
419L	463-419L	H3	TUB	14.00	0.375	Y	BRC	38.59		3.03	5.31	2.18	3.27	.3659474	L	81.97900			
419L	419L-519L	LG6	TUB	35.00	1.549	Y	CHD	38.59		2.73	4.04	1.50	2.70	.1992154	L	150.5908			
419L	401L-419L	H3	TUB	14.00	0.375	Y	BRC	38.59		3.03	5.39	2.17	3.31	.0169442	BL	1770.515			
419L	419L-519L	LG6	TUB	35.00	1.549	Y	CHD	38.59		2.74	4.07	1.50	2.73	.86690-2	BL	3460.589			
419L	419L-499L	H6	TUB	12.38	0.375	Y	BRC	38.59		3.07	5.26	2.13	3.04	.1069012	R	280.6329			
419L	419L-519L	LG6	TUB	35.00	1.549	Y	CHD	38.59		2.71	3.91	1.50	2.45	.0531539	R	564.3989			

481L	436-481L	H3	TUB	14.00	0.375	Y	BRC	38.60		3.03	5.31	2.18	3.27	2.062947	L	14.54230			
481L	481L-581L	LG6	TUB	35.00	1.549	Y	CHD	38.60		2.73	4.04	1.50	2.70	1.356807	L	22.11073			
481L	481L- 428	H3	TUB	14.00	0.375	Y	BRC	38.60		3.03	5.39	2.17	3.31	.0206250	R	1454.547			
481L	481L-581L	LG6	TUB	35.00	1.549	Y	CHD	38.60		2.74	4.07	1.50	2.73	.0132076	R	2271.423			
481L	433-481L	H6	TUB	12.38	0.375	Y	BRC	38.60		3.07	5.26	2.13	3.04	2.794104	L	10.73689			
481L	481L-581L	LG6	TUB	35.00	1.549	Y	CHD	38.60		2.71	3.91	1.50	2.45	1.862695	L	16.10570			

499L	455-499L	H3	TUB	14.00	0.375	K	BRC	38.60	2.00	3.12	4.07	2.17	3.68	.9588352	L	31.28796			
499L	499L-599L	LG6	TUB	35.00	1.549	K	CHD	38.60		2.69	3.22	1.50	3.04	.7444414	L	40.29867			
499L	461-499L	H3	TUB	14.00	0.375	Y	BRC	38.60		3.03	5.31	2.18	3.27	.0931268	L	322.1415			
499L	499L-599L	LG6	TUB	35.00	1.549	Y	CHD	38.60		2.73	4.04	1.50	2.70	.0547089	L	548.3572			
499L	419L-499L	H6	TUB	12.38	0.375	K	BRC	38.60	2.01	3.28	4.13	2.13	3.34	.0491294	R	610.6326			
499L	499L-599L	LG6	TUB	35.00	1.549	K	CHD	38.60		2.75	3.22	1.50	2.69	.0279714	R	1072.525			
499L	381L-499L	V2B	TUB	16.00	0.378	K	BRC	38.60	2.00	2.85	3.58	2.30	3.19	75.03568	TL	.3998098			
499L	388-499L	LG5	TUB	35.00	1.549	K	CHD	38.60		2.53	3.11	1.50	2.73	46.57970	TL	.6440574			
499L	319L-499L	V2D	TUB	16.00	0.358	K	BRC	38.60	2.01	2.72	3.04	2.32	2.78	17.83675	T	1.681921			
499L	388-499L	LG5	TUB	35.00	1.549	K	CHD	38.60		2.32	2.65	1.50	2.32	6.861110	T	4.372470			