Girder Hot Spot Stress Summary

NOTE: Nodal stress condition is adequate only if the interaction constant (ratio of calculted stress to allowable stress) <= 1.00

RANK	ZONE	Geometric Interfacin		FATG	LOAD CASE	Fatigue Stress				Non-fatigue Stress			Allowable = **21.6**		
		Node ID	Seg ID			Fiber	Shear	Allowed Fsr	Ftg IC ratio	fb	fv	SRSS	IC ratio	**Enveloped max IC ratio**	OK
1	11	06 Continuous fillet	05 web - 1	☑	1	37.527	2.841	10	3.753	37.527	2.841	37.634	1.742	3.753	No
2	11	06 Continuous fillet	06 web - 1	☑	1	37.527	2.841	10	3.753	37.527	2.841	37.634	1.742	3.753	No
3	10	06 Continuous fillet	06 web - 1	☑	1	37.484	2.888	10	3.748	37.484	2.888	37.595	1.741	3.748	No
4	10	06 Continuous fillet	05 web - 1	☑	1	37.484	2.888	10	3.748	37.484	2.888	37.595	1.741	3.748	No
5	12	06 Continuous fillet	05 web - 1	☑	1	37.425	3.266	10	3.743	37.425	3.266	37.568	1.739	3.743	No
6	12	06 Continuous fillet	06 web - 1	☑	1	37.425	3.266	10	3.743	37.425	3.266	37.568	1.739	3.743	No
7	08	06 Continuous fillet	05 web - 1	☑	1	36.405	4.037	10	3.641	36.405	4.037	36.628	1.696	3.641	No
8	08	06 Continuous fillet	06 web - 1	☑	1	36.405	4.037	10	3.641	36.405	4.037	36.628	1.696	3.641	No
9	14	06 Continuous fillet	05 web - 1	☑	1	36.365	4.33	10	3.636	36.365	4.33	36.622	1.695	3.636	No
10	14	06 Continuous fillet	06 web - 1	☑	1	36.365	4.33	10	3.636	36.365	4.33	36.622	1.695	3.636	No
11	11	30 Stitch weld	30 top kick pl/l - 1	☑	1	15.232	0.252	4.5	3.385	7.6158	0.185	7.618	0.353	3.385	No
12	11	30 Stitch weld	29 top kick pl/l - 1	☑	1	15.232	0.226	4.5	3.385	7.6158	0.143	7.617	0.353	3.385	No
13	10	30 Stitch weld	29 top kick pl/l - 1	☑	1	15.215	0.324	4.5	3.381	7.6076	0.192	7.61	0.352	3.381	No
14	09	30 Stitch weld	29 top kick pl/l - 1	☑	1	15.215	0.493	4.5	3.381	7.6076	0.283	7.613	0.352	3.381	No
15	09	30 Stitch weld	30 top kick pl/l - 1	☑	1	15.215	0.415	4.5	3.381	7.6076	0.279	7.613	0.352	3.381	No
16	10	30 Stitch weld	30 top kick pl/l - 1	☑	1	15.215	0.301	4.5	3.381	7.6076	0.21	7.61	0.352	3.381	No
17	12	30 Stitch weld	30 top kick pl/l - 1	☑	1	15.185	0.327	4.5	3.374	7.5923	0.231	7.596	0.352	3.374	No
18	13	30 Stitch weld	30 top kick pl/l - 1	☑	1	15.185	0.44	4.5	3.374	7.5923	0.3	7.598	0.352	3.374	No
19	13	30 Stitch weld	29 top kick pl/l - 1	☑	1	15.185	0.506	4.5	3.374	7.5923	0.293	7.598	0.352	3.374	No
20	12	30 Stitch weld	29 top kick pl/l - 1	☑	1	15.185	0.336	4.5	3.374	7.5923	0.202	7.595	0.352	3.374	No
21	08	30 Stitch weld	30 top kick pl/l - 1	☑	1	14.892	0.495	4.5	3.309	7.4461	0.329	7.453	0.345	3.309	No
22	08	30 Stitch weld	29 top kick pl/l - 1	☑	1	14.892	0.606	4.5	3.309	7.4461	0.344	7.454	0.345	3.309	No
23	14	30 Stitch weld	30 top kick pl/l - 1	☑	1	14.871	0.514	4.5	3.305	7.4355	0.345	7.444	0.345	3.305	No
24	14	30 Stitch weld	29 top kick pl/l - 1	☑	1	14.871	0.615	4.5	3.305	7.4355	0.352	7.444	0.345	3.305	No
25	07	30 Stitch weld	30 top kick pl/l - 1	☑	1	14.296	0.568	4.5	3.177	7.1482	0.375	7.158	0.331	3.177	No
26	07	30 Stitch weld	29 top kick pl/l - 1	☑	1	14.296	0.711	4.5	3.177	7.1482	0.401	7.159	0.331	3.177	No
27	15	30 Stitch weld	29 top kick pl/l - 1	☑	1	14.282	0.72	4.5	3.174	7.1408	0.408	7.153	0.331	3.174	No
28	15	30 Stitch weld	30 top kick pl/l - 1	☑	1	14.282	0.586	4.5	3.174	7.1408	0.389	7.151	0.331	3.174	No
29	06	06 Continuous fillet	05 web - 1	☑	1	31.296	4.91	10	3.13	31.296	4.91	31.679	1.467	3.13	No
30	06	06 Continuous fillet	06 web - 1	☑	1	31.296	4.91	10	3.13	31.296	4.91	31.679	1.467	3.13	No
31	16	06 Continuous fillet	06 web - 1	☑	1	31.287	5.174	10	3.129	31.287	5.174	31.712	1.468	3.129	No
32	16	06 Continuous fillet	05 web - 1	☑	1	31.287	5.174	10	3.129	31.287	5.174	31.712	1.468	3.129	No
33	06	30 Stitch weld	30 top kick pl/l - 1	☑	1	12.831	0.637	4.5	2.851	6.4153	0.418	6.429	0.298	2.851	No
34	06	30 Stitch weld	29 top kick pl/l - 1	☑	1	12.831	0.809	4.5	2.851	6.4153	0.454	6.431	0.298	2.851	No
35	16	30 Stitch weld	30 top kick pl/l - 1	☑	1	12.825	0.654	4.5	2.85	6.4127	0.432	6.427	0.298	2.85	No