AMERICAN TOWER®
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Structural Analysis Report

Structure	:	**78 ft Stealth Silo Tower**
ATC Site Name	:	**Mankes Silo CT, CT**
ATC Site Number	:	**370624**
Engineering Number	:	**OAA685633_C3_03**
Proposed Carrier	:	**AT&T Mobility**
Carrier Site Name	:	**Cheshire Tower Farms**
Carrier Site Number	:	**CT2038 / FA #10035232**
Site Location	:	**1338 Highland Ave** **Cheshire, CT 06410-0000** **41.536944, -72.893333**
County	:	**New Haven**
Date	:	**November 23, 2016**
Max Usage	:	**20%**
Result	:	**Pass**

Reviewed by:
William Garrett, PE
Chief Engineer

STATE OF CONNECTICUT
WILLIAM GARRETT
No. 23235
LICENSED
PROFESSIONAL ENGINEER

Prepared By:
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Structural Engineer III

Reviewed By:

Nov 23 2016 9:47 PM

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COA: PEC.0001553

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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 78 ft silo tower to reflect the change in loading by AT&T Mobility.

Supporting Documents

Tower Drawings	Structural Components Mapping Job #140862, dated October 17, 2014

Analysis

The tower was analyzed using Risa 3D tower analysis software. This program considers an elastic three dimensional model and second-order effects per ANSI/TIA-222-G.

Basic Wind Speed:	101 mph (3-Second Gust, V_{asd}) / 130 mph (3-Second Gust, V_{ult})
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ ¾" radial ice concurrent
Code:	ANSI/TIA-222-G / 2012 IBC / 2016 Connecticut State Building Code
Structure Class:	II
Exposure Category:	C
Topographic Category:	1

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report.

If you have any questions or require additional information, please contact American Tower via email at Engineering@americantower.com. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.

Existing and Reserved Equipment

Elevation[1] (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
74.0	74.0	3	Alcatel-Lucent RRH2X60-AWS	Silo Mount	(2) 1 5/8" Hybriflex	Verizon
		3	Alcatel-Lucent RRH2X60-1900			
		3	Alcatel-Lucent RRH2x60 700			
		2	RFS DB-T1-6Z-8AB-0Z			
		12	Commscope SBNHH-1D65B			
57.0	57.0	3	Ericsson AIR 21, 1.3M, B4A B2P	Silo Mount	(6) 1 5/8" Hybriflex (2) 1" Hybrid (1) 1 1/4" Hybriflex	Metro PCS
		3	Ericsson AIR 21, 1.3M, B2A B4P			
54.0	54.0	6	Powerwave LGP21901	Silo Mount	(12) 1 5/8" Coax (6) 1/2" Coax (4) 0.78" 8 AWG 6 (2) 0.39" Fiber Trunk (1) 3" conduit	AT&T Mobility
		6	Powerwave LGP21401			
		1	Raycap DC6-48-60-18-8F			
		3	Ericsson RRUS 11 (Band 12)			
		3	Powerwave 7770.00			

Equipment to be Removed

Elevation[1] (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
54.0	54.0	1	Powerwave P65-17-XLH-RR	-	-	AT&T Mobility
		3	Powerwave 7770.00			
		3	Powerwave LGP21401			
		3	Ericsson RRUS 11 (Band 12)			

Proposed Equipment

Elevation[1] (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
54.0	54.0	6	Kathrein 860 10025	Silo Mount	(1) 3/8" (0.38") RET Control Cable	AT&T Mobility
		3	CCI DTMABP7819VG12A			
		3	Ericsson RRUS 12 w/ RRUS A2			
		3	KMW AM-X-CD-16-65-00T-RET			
		2	CCI HPA-65R-BUU-H6			
		1	CCI HPA-65R-BUU-H8			

[1]Mount elevation is defined as height above bottom of steel structure to the bottom of mount, RAD elevation is defined as center of antenna above ground level (AGL).

Coax is to be installed inside the silo shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Legs	5%	Pass
Diagonals	20%	Pass
Horizontals	17%	Pass
Concrete	15%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips)	113.4 k-ft
Axial (Kips)	520.0 k
Shear (Kips)	36.0 k

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

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Standard Conditions

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

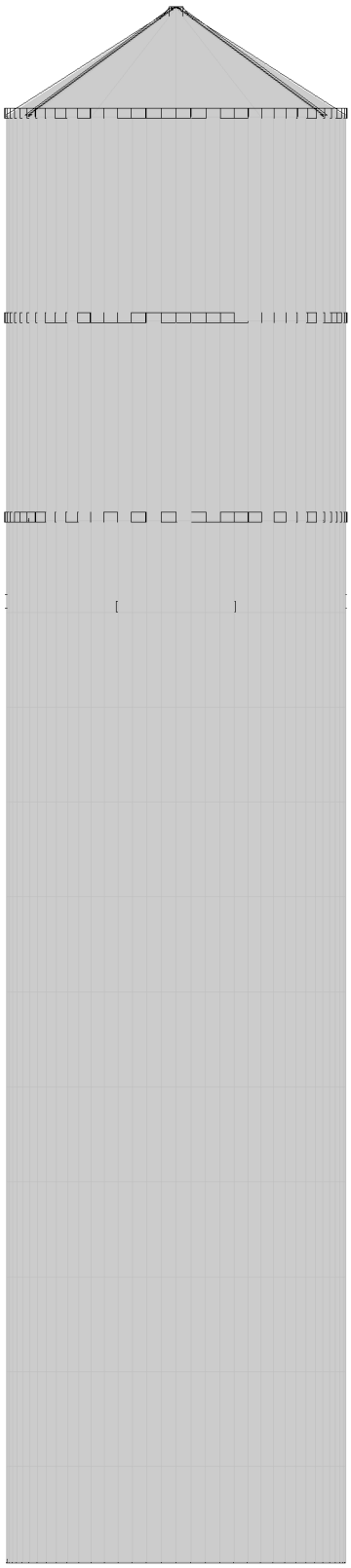
-- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.

-- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

It is the responsibility of the client to ensure that the information provided to A.T. Engineering Service, PLLC and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

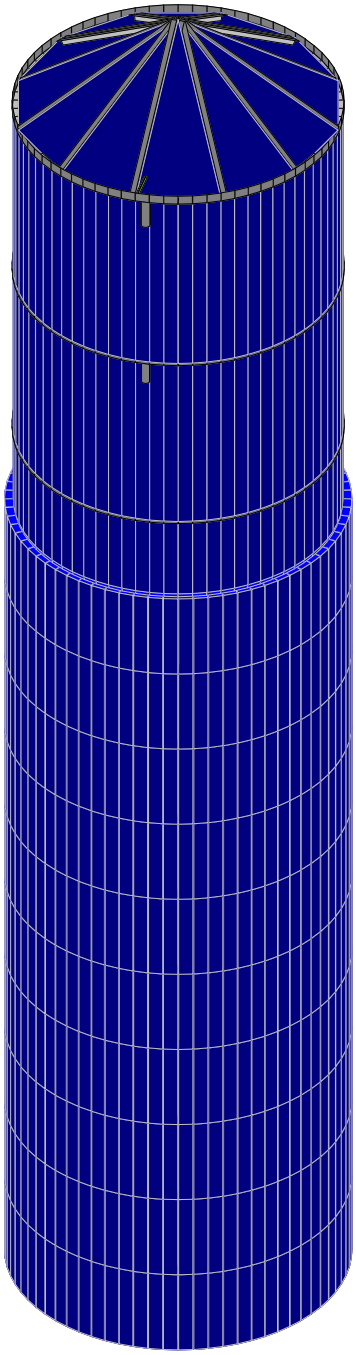
Unless explicitly agreed by both the client and American Tower Corporation, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. A.T. Engineering Service, PLLC is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

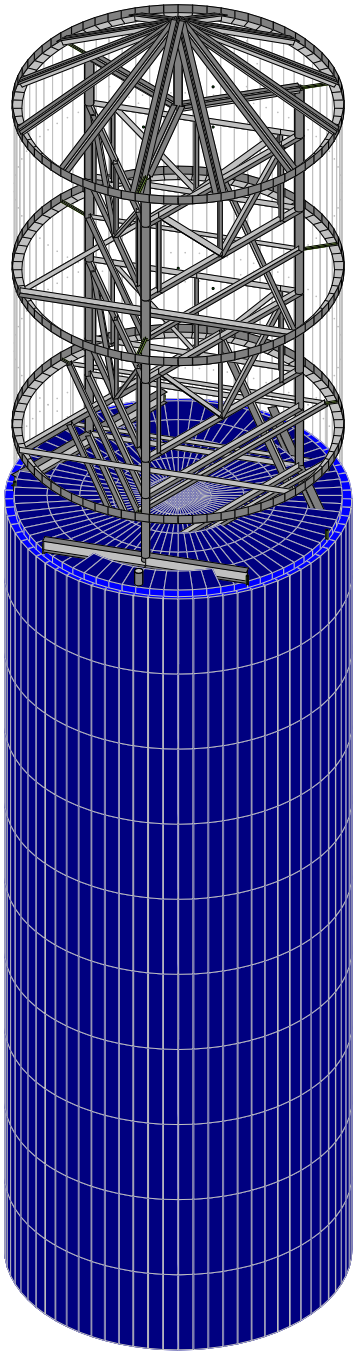


Example Only/Sketch

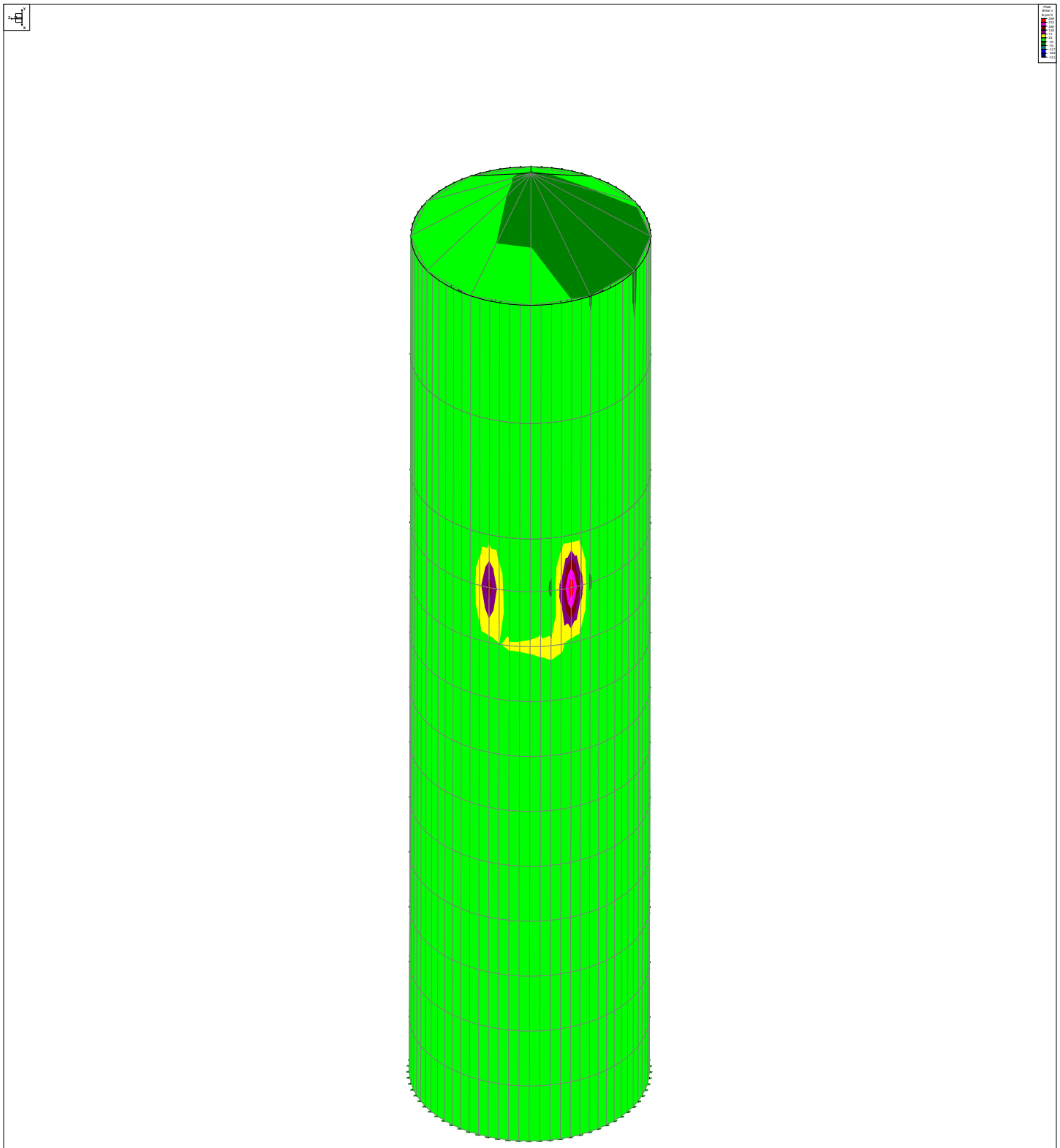
AT&T Mobility	Mankes Silo, CT	SK - 2
DWC		Nov 23, 2016 at 11:27 AM
370624 - OAA685633_C3_...		370624 - 66728021.r3d



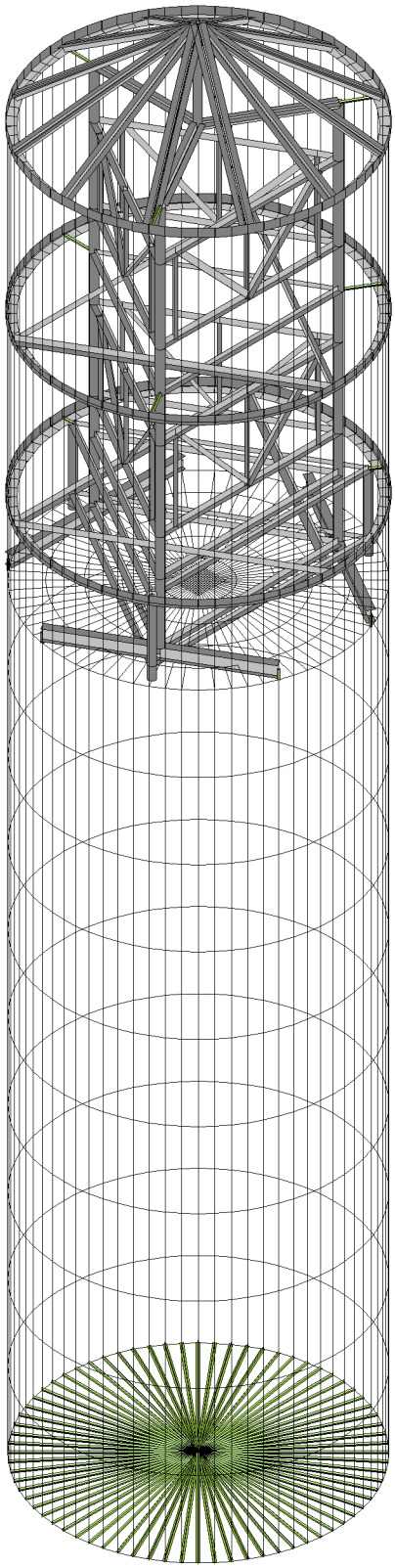
Mankes Silo, CT



Mankes Silo, CT



Mankes Silo, CT



Design Only Sketch

AT&T Mobility		SK - 3
DWC	Mankes Silo, CT	Nov 23, 2016 at 11:28 AM
370624 - OAA685633_C3_...		370624 - 66728021.r3d

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design Rules	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	H1	W8x18	Beam	Wide Flange	A992	Typical	5.26	7.97	61.9	.172
2	H2	L3x3x4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
3	H3	L4x3x4	Beam	Single Angle	A36 Gr.36	Typical	1.69	1.33	2.75	.039
4	H4	LL4x4x4x3	Beam	Double Angl...	A36 Gr.36	Typical	3.86	12.2	6	.088
5	H5	L4x4x4	Beam	Single Angle	A36 Gr.36	Typical	1.93	3	3	.044
6	H6	L6x6x5	Beam	Single Angle	A36 Gr.36	Typical	3.67	13	13	.129
7	Column1	HSS5x0.500	Beam	HSS Pipe	A36 Gr.36	Typical	6.62	17.2	17.2	34.4
8	Column2	HSS5.563x0...	Beam	HSS Pipe	A36 Gr.36	Typical	5.72	19.5	19.5	39
9	V1	L3x3x4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	8.5	0	17	0	
2	N2	9.240824	0	16.967655	0	
3	N3	9.97601	0	16.870866	0	
4	N4	10.699962	0	16.71037	0	
5	N5	11.407171	0	16.487387	0	
6	N6	12.092255	0	16.203616	0	
7	N7	12.75	0	15.861216	0	
8	N8	13.3754	0	15.462792	0	
9	N9	13.963695	0	15.011378	0	
10	N10	14.510408	0	14.510408	0	
11	N11	15.011378	0	13.963695	0	
12	N12	15.462792	0	13.3754	0	
13	N13	15.861216	0	12.75	0	
14	N14	16.203616	0	12.092255	0	
15	N15	16.487387	0	11.407171	0	
16	N16	16.71037	0	10.699962	0	
17	N17	16.870866	0	9.97601	0	
18	N18	16.967655	0	9.240824	0	
19	N19	17	0	8.5	0	
20	N20	16.967655	0	7.759176	0	
21	N21	16.870866	0	7.02399	0	
22	N22	16.71037	0	6.300038	0	
23	N23	16.487387	0	5.592829	0	
24	N24	16.203616	0	4.907745	0	
25	N25	15.861216	0	4.25	0	
26	N26	15.462792	0	3.6246	0	
27	N27	15.011378	0	3.036305	0	
28	N28	14.510408	0	2.489592	0	
29	N29	13.963695	0	1.988622	0	
30	N30	13.3754	0	1.537208	0	
31	N31	12.75	0	1.138784	0	
32	N32	12.092255	0	0.796384	0	
33	N33	11.407171	0	0.512613	0	
34	N34	10.699962	0	0.28963	0	
35	N35	9.97601	0	0.129134	0	
36	N36	9.240824	0	0.032345	0	
37	N37	8.5	0	0	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
38	N38	7.759176	0	0.032345	0	
39	N39	7.02399	0	0.129134	0	
40	N40	6.300038	0	0.28963	0	
41	N41	5.592829	0	0.512613	0	
42	N42	4.907745	0	0.796384	0	
43	N43	4.25	0	1.138784	0	
44	N44	3.6246	0	1.537208	0	
45	N45	3.036305	0	1.988622	0	
46	N46	2.489592	0	2.489592	0	
47	N47	1.988622	0	3.036305	0	
48	N48	1.537208	0	3.6246	0	
49	N49	1.138784	0	4.25	0	
50	N50	0.796384	0	4.907745	0	
51	N51	0.512613	0	5.592829	0	
52	N52	0.28963	0	6.300038	0	
53	N53	0.129134	0	7.02399	0	
54	N54	0.032345	0	7.759176	0	
55	N55	0	0	8.5	0	
56	N56	0.032345	0	9.240824	0	
57	N57	0.129134	0	9.97601	0	
58	N58	0.28963	0	10.699962	0	
59	N59	0.512613	0	11.407171	0	
60	N60	0.796384	0	12.092255	0	
61	N61	1.138784	0	12.75	0	
62	N62	1.537208	0	13.3754	0	
63	N63	1.988622	0	13.963695	0	
64	N64	2.489592	0	14.510408	0	
65	N65	3.036305	0	15.011378	0	
66	N66	3.6246	0	15.462792	0	
67	N67	4.25	0	15.861216	0	
68	N68	4.907745	0	16.203616	0	
69	N69	5.592829	0	16.487387	0	
70	N70	6.300038	0	16.71037	0	
71	N71	7.02399	0	16.870866	0	
72	N72	7.759176	0	16.967655	0	
73	N73	8.5	4.767	17	0	
74	N74	9.240824	4.767	16.967655	0	
75	N75	9.97601	4.767	16.870866	0	
76	N76	10.699962	4.767	16.71037	0	
77	N77	11.407171	4.767	16.487387	0	
78	N78	12.092255	4.767	16.203616	0	
79	N79	12.75	4.767	15.861216	0	
80	N80	13.3754	4.767	15.462792	0	
81	N81	13.963695	4.767	15.011378	0	
82	N82	14.510408	4.767	14.510408	0	
83	N83	15.011378	4.767	13.963695	0	
84	N84	15.462792	4.767	13.3754	0	
85	N85	15.861216	4.767	12.75	0	
86	N86	16.203616	4.767	12.092255	0	
87	N87	16.487387	4.767	11.407171	0	
88	N88	16.71037	4.767	10.699962	0	
89	N89	16.870866	4.767	9.97601	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
90	N90	16.967655	4.767	9.240824	0	
91	N91	17	4.767	8.5	0	
92	N92	16.967655	4.767	7.759176	0	
93	N93	16.870866	4.767	7.02399	0	
94	N94	16.71037	4.767	6.300038	0	
95	N95	16.487387	4.767	5.592829	0	
96	N96	16.203616	4.767	4.907745	0	
97	N97	15.861216	4.767	4.25	0	
98	N98	15.462792	4.767	3.6246	0	
99	N99	15.011378	4.767	3.036305	0	
100	N100	14.510408	4.767	2.489592	0	
101	N101	13.963695	4.767	1.988622	0	
102	N102	13.3754	4.767	1.537208	0	
103	N103	12.75	4.767	1.138784	0	
104	N104	12.092255	4.767	0.796384	0	
105	N105	11.407171	4.767	0.512613	0	
106	N106	10.699962	4.767	0.28963	0	
107	N107	9.97601	4.767	0.129134	0	
108	N108	9.240824	4.767	0.032345	0	
109	N109	8.5	4.767	0	0	
110	N110	7.759176	4.767	0.032345	0	
111	N111	7.02399	4.767	0.129134	0	
112	N112	6.300038	4.767	0.28963	0	
113	N113	5.592829	4.767	0.512613	0	
114	N114	4.907745	4.767	0.796384	0	
115	N115	4.25	4.767	1.138784	0	
116	N116	3.6246	4.767	1.537208	0	
117	N117	3.036305	4.767	1.988622	0	
118	N118	2.489592	4.767	2.489592	0	
119	N119	1.988622	4.767	3.036305	0	
120	N120	1.537208	4.767	3.6246	0	
121	N121	1.138784	4.767	4.25	0	
122	N122	0.796384	4.767	4.907745	0	
123	N123	0.512613	4.767	5.592829	0	
124	N124	0.28963	4.767	6.300038	0	
125	N125	0.129134	4.767	7.02399	0	
126	N126	0.032345	4.767	7.759176	0	
127	N127	0	4.767	8.5	0	
128	N128	0.032345	4.767	9.240824	0	
129	N129	0.129134	4.767	9.97601	0	
130	N130	0.28963	4.767	10.699962	0	
131	N131	0.512613	4.767	11.407171	0	
132	N132	0.796384	4.767	12.092255	0	
133	N133	1.138784	4.767	12.75	0	
134	N134	1.537208	4.767	13.3754	0	
135	N135	1.988622	4.767	13.963695	0	
136	N136	2.489592	4.767	14.510408	0	
137	N137	3.036305	4.767	15.011378	0	
138	N138	3.6246	4.767	15.462792	0	
139	N139	4.25	4.767	15.861216	0	
140	N140	4.907745	4.767	16.203616	0	
141	N141	5.592829	4.767	16.487387	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
142	N142	6.300038	4.767	16.71037	0	
143	N143	7.02399	4.767	16.870866	0	
144	N144	7.759176	4.767	16.967655	0	
145	N145	8.5	9.534	17	0	
146	N146	9.240824	9.534	16.967655	0	
147	N147	9.97601	9.534	16.870866	0	
148	N148	10.699962	9.534	16.71037	0	
149	N149	11.407171	9.534	16.487387	0	
150	N150	12.092255	9.534	16.203616	0	
151	N151	12.75	9.534	15.861216	0	
152	N152	13.3754	9.534	15.462792	0	
153	N153	13.963695	9.534	15.011378	0	
154	N154	14.510408	9.534	14.510408	0	
155	N155	15.011378	9.534	13.963695	0	
156	N156	15.462792	9.534	13.3754	0	
157	N157	15.861216	9.534	12.75	0	
158	N158	16.203616	9.534	12.092255	0	
159	N159	16.487387	9.534	11.407171	0	
160	N160	16.71037	9.534	10.699962	0	
161	N161	16.870866	9.534	9.97601	0	
162	N162	16.967655	9.534	9.240824	0	
163	N163	17	9.534	8.5	0	
164	N164	16.967655	9.534	7.759176	0	
165	N165	16.870866	9.534	7.02399	0	
166	N166	16.71037	9.534	6.300038	0	
167	N167	16.487387	9.534	5.592829	0	
168	N168	16.203616	9.534	4.907745	0	
169	N169	15.861216	9.534	4.25	0	
170	N170	15.462792	9.534	3.6246	0	
171	N171	15.011378	9.534	3.036305	0	
172	N172	14.510408	9.534	2.489592	0	
173	N173	13.963695	9.534	1.988622	0	
174	N174	13.3754	9.534	1.537208	0	
175	N175	12.75	9.534	1.138784	0	
176	N176	12.092255	9.534	0.796384	0	
177	N177	11.407171	9.534	0.512613	0	
178	N178	10.699962	9.534	0.28963	0	
179	N179	9.97601	9.534	0.129134	0	
180	N180	9.240824	9.534	0.032345	0	
181	N181	8.5	9.534	0	0	
182	N182	7.759176	9.534	0.032345	0	
183	N183	7.02399	9.534	0.129134	0	
184	N184	6.300038	9.534	0.28963	0	
185	N185	5.592829	9.534	0.512613	0	
186	N186	4.907745	9.534	0.796384	0	
187	N187	4.25	9.534	1.138784	0	
188	N188	3.6246	9.534	1.537208	0	
189	N189	3.036305	9.534	1.988622	0	
190	N190	2.489592	9.534	2.489592	0	
191	N191	1.988622	9.534	3.036305	0	
192	N192	1.537208	9.534	3.6246	0	
193	N193	1.138784	9.534	4.25	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
194	N194	0.796384	9.534	4.907745	0	
195	N195	0.512613	9.534	5.592829	0	
196	N196	0.28963	9.534	6.300038	0	
197	N197	0.129134	9.534	7.02399	0	
198	N198	0.032345	9.534	7.759176	0	
199	N199	0	9.534	8.5	0	
200	N200	0.032345	9.534	9.240824	0	
201	N201	0.129134	9.534	9.97601	0	
202	N202	0.28963	9.534	10.699962	0	
203	N203	0.512613	9.534	11.407171	0	
204	N204	0.796384	9.534	12.092255	0	
205	N205	1.138784	9.534	12.75	0	
206	N206	1.537208	9.534	13.3754	0	
207	N207	1.988622	9.534	13.963695	0	
208	N208	2.489592	9.534	14.510408	0	
209	N209	3.036305	9.534	15.011378	0	
210	N210	3.6246	9.534	15.462792	0	
211	N211	4.25	9.534	15.861216	0	
212	N212	4.907745	9.534	16.203616	0	
213	N213	5.592829	9.534	16.487387	0	
214	N214	6.300038	9.534	16.71037	0	
215	N215	7.02399	9.534	16.870866	0	
216	N216	7.759176	9.534	16.967655	0	
217	N217	8.5	14.301	17	0	
218	N218	9.240824	14.301	16.967655	0	
219	N219	9.97601	14.301	16.870866	0	
220	N220	10.699962	14.301	16.71037	0	
221	N221	11.407171	14.301	16.487387	0	
222	N222	12.092255	14.301	16.203616	0	
223	N223	12.75	14.301	15.861216	0	
224	N224	13.3754	14.301	15.462792	0	
225	N225	13.963695	14.301	15.011378	0	
226	N226	14.510408	14.301	14.510408	0	
227	N227	15.011378	14.301	13.963695	0	
228	N228	15.462792	14.301	13.3754	0	
229	N229	15.861216	14.301	12.75	0	
230	N230	16.203616	14.301	12.092255	0	
231	N231	16.487387	14.301	11.407171	0	
232	N232	16.71037	14.301	10.699962	0	
233	N233	16.870866	14.301	9.97601	0	
234	N234	16.967655	14.301	9.240824	0	
235	N235	17	14.301	8.5	0	
236	N236	16.967655	14.301	7.759176	0	
237	N237	16.870866	14.301	7.02399	0	
238	N238	16.71037	14.301	6.300038	0	
239	N239	16.487387	14.301	5.592829	0	
240	N240	16.203616	14.301	4.907745	0	
241	N241	15.861216	14.301	4.25	0	
242	N242	15.462792	14.301	3.6246	0	
243	N243	15.011378	14.301	3.036305	0	
244	N244	14.510408	14.301	2.489592	0	
245	N245	13.963695	14.301	1.988622	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
246	N246	13.3754	14.301	1.537208	0	
247	N247	12.75	14.301	1.138784	0	
248	N248	12.092255	14.301	0.796384	0	
249	N249	11.407171	14.301	0.512613	0	
250	N250	10.699962	14.301	0.28963	0	
251	N251	9.97601	14.301	0.129134	0	
252	N252	9.240824	14.301	0.032345	0	
253	N253	8.5	14.301	0	0	
254	N254	7.759176	14.301	0.032345	0	
255	N255	7.02399	14.301	0.129134	0	
256	N256	6.300038	14.301	0.28963	0	
257	N257	5.592829	14.301	0.512613	0	
258	N258	4.907745	14.301	0.796384	0	
259	N259	4.25	14.301	1.138784	0	
260	N260	3.6246	14.301	1.537208	0	
261	N261	3.036305	14.301	1.988622	0	
262	N262	2.489592	14.301	2.489592	0	
263	N263	1.988622	14.301	3.036305	0	
264	N264	1.537208	14.301	3.6246	0	
265	N265	1.138784	14.301	4.25	0	
266	N266	0.796384	14.301	4.907745	0	
267	N267	0.512613	14.301	5.592829	0	
268	N268	0.28963	14.301	6.300038	0	
269	N269	0.129134	14.301	7.02399	0	
270	N270	0.032345	14.301	7.759176	0	
271	N271	0	14.301	8.5	0	
272	N272	0.032345	14.301	9.240824	0	
273	N273	0.129134	14.301	9.97601	0	
274	N274	0.28963	14.301	10.699962	0	
275	N275	0.512613	14.301	11.407171	0	
276	N276	0.796384	14.301	12.092255	0	
277	N277	1.138784	14.301	12.75	0	
278	N278	1.537208	14.301	13.3754	0	
279	N279	1.988622	14.301	13.963695	0	
280	N280	2.489592	14.301	14.510408	0	
281	N281	3.036305	14.301	15.011378	0	
282	N282	3.6246	14.301	15.462792	0	
283	N283	4.25	14.301	15.861216	0	
284	N284	4.907745	14.301	16.203616	0	
285	N285	5.592829	14.301	16.487387	0	
286	N286	6.300038	14.301	16.71037	0	
287	N287	7.02399	14.301	16.870866	0	
288	N288	7.759176	14.301	16.967655	0	
289	N289	8.5	19.068	17	0	
290	N290	9.240824	19.068	16.967655	0	
291	N291	9.97601	19.068	16.870866	0	
292	N292	10.699962	19.068	16.71037	0	
293	N293	11.407171	19.068	16.487387	0	
294	N294	12.092255	19.068	16.203616	0	
295	N295	12.75	19.068	15.861216	0	
296	N296	13.3754	19.068	15.462792	0	
297	N297	13.963695	19.068	15.011378	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
298	N298	14.510408	19.068	14.510408	0	
299	N299	15.011378	19.068	13.963695	0	
300	N300	15.462792	19.068	13.3754	0	
301	N301	15.861216	19.068	12.75	0	
302	N302	16.203616	19.068	12.092255	0	
303	N303	16.487387	19.068	11.407171	0	
304	N304	16.71037	19.068	10.699962	0	
305	N305	16.870866	19.068	9.97601	0	
306	N306	16.967655	19.068	9.240824	0	
307	N307	17	19.068	8.5	0	
308	N308	16.967655	19.068	7.759176	0	
309	N309	16.870866	19.068	7.02399	0	
310	N310	16.71037	19.068	6.300038	0	
311	N311	16.487387	19.068	5.592829	0	
312	N312	16.203616	19.068	4.907745	0	
313	N313	15.861216	19.068	4.25	0	
314	N314	15.462792	19.068	3.6246	0	
315	N315	15.011378	19.068	3.036305	0	
316	N316	14.510408	19.068	2.489592	0	
317	N317	13.963695	19.068	1.988622	0	
318	N318	13.3754	19.068	1.537208	0	
319	N319	12.75	19.068	1.138784	0	
320	N320	12.092255	19.068	0.796384	0	
321	N321	11.407171	19.068	0.512613	0	
322	N322	10.699962	19.068	0.28963	0	
323	N323	9.97601	19.068	0.129134	0	
324	N324	9.240824	19.068	0.032345	0	
325	N325	8.5	19.068	0	0	
326	N326	7.759176	19.068	0.032345	0	
327	N327	7.02399	19.068	0.129134	0	
328	N328	6.300038	19.068	0.28963	0	
329	N329	5.592829	19.068	0.512613	0	
330	N330	4.907745	19.068	0.796384	0	
331	N331	4.25	19.068	1.138784	0	
332	N332	3.6246	19.068	1.537208	0	
333	N333	3.036305	19.068	1.988622	0	
334	N334	2.489592	19.068	2.489592	0	
335	N335	1.988622	19.068	3.036305	0	
336	N336	1.537208	19.068	3.6246	0	
337	N337	1.138784	19.068	4.25	0	
338	N338	0.796384	19.068	4.907745	0	
339	N339	0.512613	19.068	5.592829	0	
340	N340	0.28963	19.068	6.300038	0	
341	N341	0.129134	19.068	7.02399	0	
342	N342	0.032345	19.068	7.759176	0	
343	N343	0	19.068	8.5	0	
344	N344	0.032345	19.068	9.240824	0	
345	N345	0.129134	19.068	9.97601	0	
346	N346	0.28963	19.068	10.699962	0	
347	N347	0.512613	19.068	11.407171	0	
348	N348	0.796384	19.068	12.092255	0	
349	N349	1.138784	19.068	12.75	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
350	N350	1.537208	19.068	13.3754	0	
351	N351	1.988622	19.068	13.963695	0	
352	N352	2.489592	19.068	14.510408	0	
353	N353	3.036305	19.068	15.011378	0	
354	N354	3.6246	19.068	15.462792	0	
355	N355	4.25	19.068	15.861216	0	
356	N356	4.907745	19.068	16.203616	0	
357	N357	5.592829	19.068	16.487387	0	
358	N358	6.300038	19.068	16.71037	0	
359	N359	7.02399	19.068	16.870866	0	
360	N360	7.759176	19.068	16.967655	0	
361	N361	8.5	23.835	17	0	
362	N362	9.240824	23.835	16.967655	0	
363	N363	9.97601	23.835	16.870866	0	
364	N364	10.699962	23.835	16.71037	0	
365	N365	11.407171	23.835	16.487387	0	
366	N366	12.092255	23.835	16.203616	0	
367	N367	12.75	23.835	15.861216	0	
368	N368	13.3754	23.835	15.462792	0	
369	N369	13.963695	23.835	15.011378	0	
370	N370	14.510408	23.835	14.510408	0	
371	N371	15.011378	23.835	13.963695	0	
372	N372	15.462792	23.835	13.3754	0	
373	N373	15.861216	23.835	12.75	0	
374	N374	16.203616	23.835	12.092255	0	
375	N375	16.487387	23.835	11.407171	0	
376	N376	16.71037	23.835	10.699962	0	
377	N377	16.870866	23.835	9.97601	0	
378	N378	16.967655	23.835	9.240824	0	
379	N379	17	23.835	8.5	0	
380	N380	16.967655	23.835	7.759176	0	
381	N381	16.870866	23.835	7.02399	0	
382	N382	16.71037	23.835	6.300038	0	
383	N383	16.487387	23.835	5.592829	0	
384	N384	16.203616	23.835	4.907745	0	
385	N385	15.861216	23.835	4.25	0	
386	N386	15.462792	23.835	3.6246	0	
387	N387	15.011378	23.835	3.036305	0	
388	N388	14.510408	23.835	2.489592	0	
389	N389	13.963695	23.835	1.988622	0	
390	N390	13.3754	23.835	1.537208	0	
391	N391	12.75	23.835	1.138784	0	
392	N392	12.092255	23.835	0.796384	0	
393	N393	11.407171	23.835	0.512613	0	
394	N394	10.699962	23.835	0.28963	0	
395	N395	9.97601	23.835	0.129134	0	
396	N396	9.240824	23.835	0.032345	0	
397	N397	8.5	23.835	0	0	
398	N398	7.759176	23.835	0.032345	0	
399	N399	7.02399	23.835	0.129134	0	
400	N400	6.300038	23.835	0.28963	0	
401	N401	5.592829	23.835	0.512613	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
402	N402	4.907745	23.835	0.796384	0	
403	N403	4.25	23.835	1.138784	0	
404	N404	3.6246	23.835	1.537208	0	
405	N405	3.036305	23.835	1.988622	0	
406	N406	2.489592	23.835	2.489592	0	
407	N407	1.988622	23.835	3.036305	0	
408	N408	1.537208	23.835	3.6246	0	
409	N409	1.138784	23.835	4.25	0	
410	N410	0.796384	23.835	4.907745	0	
411	N411	0.512613	23.835	5.592829	0	
412	N412	0.28963	23.835	6.300038	0	
413	N413	0.129134	23.835	7.02399	0	
414	N414	0.032345	23.835	7.759176	0	
415	N415	0	23.835	8.5	0	
416	N416	0.032345	23.835	9.240824	0	
417	N417	0.129134	23.835	9.97601	0	
418	N418	0.28963	23.835	10.699962	0	
419	N419	0.512613	23.835	11.407171	0	
420	N420	0.796384	23.835	12.092255	0	
421	N421	1.138784	23.835	12.75	0	
422	N422	1.537208	23.835	13.3754	0	
423	N423	1.988622	23.835	13.963695	0	
424	N424	2.489592	23.835	14.510408	0	
425	N425	3.036305	23.835	15.011378	0	
426	N426	3.6246	23.835	15.462792	0	
427	N427	4.25	23.835	15.861216	0	
428	N428	4.907745	23.835	16.203616	0	
429	N429	5.592829	23.835	16.487387	0	
430	N430	6.300038	23.835	16.71037	0	
431	N431	7.02399	23.835	16.870866	0	
432	N432	7.759176	23.835	16.967655	0	
433	N433	8.5	28.602	17	0	
434	N434	9.240824	28.602	16.967655	0	
435	N435	9.97601	28.602	16.870866	0	
436	N436	10.699962	28.602	16.71037	0	
437	N437	11.407171	28.602	16.487387	0	
438	N438	12.092255	28.602	16.203616	0	
439	N439	12.75	28.602	15.861216	0	
440	N440	13.3754	28.602	15.462792	0	
441	N441	13.963695	28.602	15.011378	0	
442	N442	14.510408	28.602	14.510408	0	
443	N443	15.011378	28.602	13.963695	0	
444	N444	15.462792	28.602	13.3754	0	
445	N445	15.861216	28.602	12.75	0	
446	N446	16.203616	28.602	12.092255	0	
447	N447	16.487387	28.602	11.407171	0	
448	N448	16.71037	28.602	10.699962	0	
449	N449	16.870866	28.602	9.97601	0	
450	N450	16.967655	28.602	9.240824	0	
451	N451	17	28.602	8.5	0	
452	N452	16.967655	28.602	7.759176	0	
453	N453	16.870866	28.602	7.02399	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
454	N454	16.71037	28.602	6.300038	0	
455	N455	16.487387	28.602	5.592829	0	
456	N456	16.203616	28.602	4.907745	0	
457	N457	15.861216	28.602	4.25	0	
458	N458	15.462792	28.602	3.6246	0	
459	N459	15.011378	28.602	3.036305	0	
460	N460	14.510408	28.602	2.489592	0	
461	N461	13.963695	28.602	1.988622	0	
462	N462	13.3754	28.602	1.537208	0	
463	N463	12.75	28.602	1.138784	0	
464	N464	12.092255	28.602	0.796384	0	
465	N465	11.407171	28.602	0.512613	0	
466	N466	10.699962	28.602	0.28963	0	
467	N467	9.97601	28.602	0.129134	0	
468	N468	9.240824	28.602	0.032345	0	
469	N469	8.5	28.602	0	0	
470	N470	7.759176	28.602	0.032345	0	
471	N471	7.02399	28.602	0.129134	0	
472	N472	6.300038	28.602	0.28963	0	
473	N473	5.592829	28.602	0.512613	0	
474	N474	4.907745	28.602	0.796384	0	
475	N475	4.25	28.602	1.138784	0	
476	N476	3.6246	28.602	1.537208	0	
477	N477	3.036305	28.602	1.988622	0	
478	N478	2.489592	28.602	2.489592	0	
479	N479	1.988622	28.602	3.036305	0	
480	N480	1.537208	28.602	3.6246	0	
481	N481	1.138784	28.602	4.25	0	
482	N482	0.796384	28.602	4.907745	0	
483	N483	0.512613	28.602	5.592829	0	
484	N484	0.28963	28.602	6.300038	0	
485	N485	0.129134	28.602	7.02399	0	
486	N486	0.032345	28.602	7.759176	0	
487	N487	0	28.602	8.5	0	
488	N488	0.032345	28.602	9.240824	0	
489	N489	0.129134	28.602	9.97601	0	
490	N490	0.28963	28.602	10.699962	0	
491	N491	0.512613	28.602	11.407171	0	
492	N492	0.796384	28.602	12.092255	0	
493	N493	1.138784	28.602	12.75	0	
494	N494	1.537208	28.602	13.3754	0	
495	N495	1.988622	28.602	13.963695	0	
496	N496	2.489592	28.602	14.510408	0	
497	N497	3.036305	28.602	15.011378	0	
498	N498	3.6246	28.602	15.462792	0	
499	N499	4.25	28.602	15.861216	0	
500	N500	4.907745	28.602	16.203616	0	
501	N501	5.592829	28.602	16.487387	0	
502	N502	6.300038	28.602	16.71037	0	
503	N503	7.02399	28.602	16.870866	0	
504	N504	7.759176	28.602	16.967655	0	
505	N505	8.5	33.369	17	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
506	N506	9.240824	33.369	16.967655	0	
507	N507	9.97601	33.369	16.870866	0	
508	N508	10.699962	33.369	16.71037	0	
509	N509	11.407171	33.369	16.487387	0	
510	N510	12.092255	33.369	16.203616	0	
511	N511	12.75	33.369	15.861216	0	
512	N512	13.3754	33.369	15.462792	0	
513	N513	13.963695	33.369	15.011378	0	
514	N514	14.510408	33.369	14.510408	0	
515	N515	15.011378	33.369	13.963695	0	
516	N516	15.462792	33.369	13.3754	0	
517	N517	15.861216	33.369	12.75	0	
518	N518	16.203616	33.369	12.092255	0	
519	N519	16.487387	33.369	11.407171	0	
520	N520	16.71037	33.369	10.699962	0	
521	N521	16.870866	33.369	9.97601	0	
522	N522	16.967655	33.369	9.240824	0	
523	N523	17	33.369	8.5	0	
524	N524	16.967655	33.369	7.759176	0	
525	N525	16.870866	33.369	7.02399	0	
526	N526	16.71037	33.369	6.300038	0	
527	N527	16.487387	33.369	5.592829	0	
528	N528	16.203616	33.369	4.907745	0	
529	N529	15.861216	33.369	4.25	0	
530	N530	15.462792	33.369	3.6246	0	
531	N531	15.011378	33.369	3.036305	0	
532	N532	14.510408	33.369	2.489592	0	
533	N533	13.963695	33.369	1.988622	0	
534	N534	13.3754	33.369	1.537208	0	
535	N535	12.75	33.369	1.138784	0	
536	N536	12.092255	33.369	0.796384	0	
537	N537	11.407171	33.369	0.512613	0	
538	N538	10.699962	33.369	0.28963	0	
539	N539	9.97601	33.369	0.129134	0	
540	N540	9.240824	33.369	0.032345	0	
541	N541	8.5	33.369	0	0	
542	N542	7.759176	33.369	0.032345	0	
543	N543	7.02399	33.369	0.129134	0	
544	N544	6.300038	33.369	0.28963	0	
545	N545	5.592829	33.369	0.512613	0	
546	N546	4.907745	33.369	0.796384	0	
547	N547	4.25	33.369	1.138784	0	
548	N548	3.6246	33.369	1.537208	0	
549	N549	3.036305	33.369	1.988622	0	
550	N550	2.489592	33.369	2.489592	0	
551	N551	1.988622	33.369	3.036305	0	
552	N552	1.537208	33.369	3.6246	0	
553	N553	1.138784	33.369	4.25	0	
554	N554	0.796384	33.369	4.907745	0	
555	N555	0.512613	33.369	5.592829	0	
556	N556	0.28963	33.369	6.300038	0	
557	N557	0.129134	33.369	7.02399	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
558	N558	0.032345	33.369	7.759176	0	
559	N559	0	33.369	8.5	0	
560	N560	0.032345	33.369	9.240824	0	
561	N561	0.129134	33.369	9.97601	0	
562	N562	0.28963	33.369	10.699962	0	
563	N563	0.512613	33.369	11.407171	0	
564	N564	0.796384	33.369	12.092255	0	
565	N565	1.138784	33.369	12.75	0	
566	N566	1.537208	33.369	13.3754	0	
567	N567	1.988622	33.369	13.963695	0	
568	N568	2.489592	33.369	14.510408	0	
569	N569	3.036305	33.369	15.011378	0	
570	N570	3.6246	33.369	15.462792	0	
571	N571	4.25	33.369	15.861216	0	
572	N572	4.907745	33.369	16.203616	0	
573	N573	5.592829	33.369	16.487387	0	
574	N574	6.300038	33.369	16.71037	0	
575	N575	7.02399	33.369	16.870866	0	
576	N576	7.759176	33.369	16.967655	0	
577	N577	8.5	38.136	17	0	
578	N578	9.240824	38.136	16.967655	0	
579	N579	9.97601	38.136	16.870866	0	
580	N580	10.699962	38.136	16.71037	0	
581	N581	11.407171	38.136	16.487387	0	
582	N582	12.092255	38.136	16.203616	0	
583	N583	12.75	38.136	15.861216	0	
584	N584	13.3754	38.136	15.462792	0	
585	N585	13.963695	38.136	15.011378	0	
586	N586	14.510408	38.136	14.510408	0	
587	N587	15.011378	38.136	13.963695	0	
588	N588	15.462792	38.136	13.3754	0	
589	N589	15.861216	38.136	12.75	0	
590	N590	16.203616	38.136	12.092255	0	
591	N591	16.487387	38.136	11.407171	0	
592	N592	16.71037	38.136	10.699962	0	
593	N593	16.870866	38.136	9.97601	0	
594	N594	16.967655	38.136	9.240824	0	
595	N595	17	38.136	8.5	0	
596	N596	16.967655	38.136	7.759176	0	
597	N597	16.870866	38.136	7.02399	0	
598	N598	16.71037	38.136	6.300038	0	
599	N599	16.487387	38.136	5.592829	0	
600	N600	16.203616	38.136	4.907745	0	
601	N601	15.861216	38.136	4.25	0	
602	N602	15.462792	38.136	3.6246	0	
603	N603	15.011378	38.136	3.036305	0	
604	N604	14.510408	38.136	2.489592	0	
605	N605	13.963695	38.136	1.988622	0	
606	N606	13.3754	38.136	1.537208	0	
607	N607	12.75	38.136	1.138784	0	
608	N608	12.092255	38.136	0.796384	0	
609	N609	11.407171	38.136	0.512613	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
610	N610	10.699962	38.136	0.28963	0	
611	N611	9.97601	38.136	0.129134	0	
612	N612	9.240824	38.136	0.032345	0	
613	N613	8.5	38.136	0	0	
614	N614	7.759176	38.136	0.032345	0	
615	N615	7.02399	38.136	0.129134	0	
616	N616	6.300038	38.136	0.28963	0	
617	N617	5.592829	38.136	0.512613	0	
618	N618	4.907745	38.136	0.796384	0	
619	N619	4.25	38.136	1.138784	0	
620	N620	3.6246	38.136	1.537208	0	
621	N621	3.036305	38.136	1.988622	0	
622	N622	2.489592	38.136	2.489592	0	
623	N623	1.988622	38.136	3.036305	0	
624	N624	1.537208	38.136	3.6246	0	
625	N625	1.138784	38.136	4.25	0	
626	N626	0.796384	38.136	4.907745	0	
627	N627	0.512613	38.136	5.592829	0	
628	N628	0.28963	38.136	6.300038	0	
629	N629	0.129134	38.136	7.02399	0	
630	N630	0.032345	38.136	7.759176	0	
631	N631	0	38.136	8.5	0	
632	N632	0.032345	38.136	9.240824	0	
633	N633	0.129134	38.136	9.97601	0	
634	N634	0.28963	38.136	10.699962	0	
635	N635	0.512613	38.136	11.407171	0	
636	N636	0.796384	38.136	12.092255	0	
637	N637	1.138784	38.136	12.75	0	
638	N638	1.537208	38.136	13.3754	0	
639	N639	1.988622	38.136	13.963695	0	
640	N640	2.489592	38.136	14.510408	0	
641	N641	3.036305	38.136	15.011378	0	
642	N642	3.6246	38.136	15.462792	0	
643	N643	4.25	38.136	15.861216	0	
644	N644	4.907745	38.136	16.203616	0	
645	N645	5.592829	38.136	16.487387	0	
646	N646	6.300038	38.136	16.71037	0	
647	N647	7.02399	38.136	16.870866	0	
648	N648	7.759176	38.136	16.967655	0	
649	N649	8.5	42.903	17	0	
650	N650	9.240824	42.903	16.967655	0	
651	N651	9.97601	42.903	16.870866	0	
652	N652	10.699962	42.903	16.71037	0	
653	N653	11.407171	42.903	16.487387	0	
654	N654	12.092255	42.903	16.203616	0	
655	N655	12.75	42.903	15.861216	0	
656	N656	13.3754	42.903	15.462792	0	
657	N657	13.963695	42.903	15.011378	0	
658	N658	14.510408	42.903	14.510408	0	
659	N659	15.011378	42.903	13.963695	0	
660	N660	15.462792	42.903	13.3754	0	
661	N661	15.861216	42.903	12.75	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
662	N662	16.203616	42.903	12.092255	0	
663	N663	16.487387	42.903	11.407171	0	
664	N664	16.71037	42.903	10.699962	0	
665	N665	16.870866	42.903	9.97601	0	
666	N666	16.967655	42.903	9.240824	0	
667	N667	17	42.903	8.5	0	
668	N668	16.967655	42.903	7.759176	0	
669	N669	16.870866	42.903	7.02399	0	
670	N670	16.71037	42.903	6.300038	0	
671	N671	16.487387	42.903	5.592829	0	
672	N672	16.203616	42.903	4.907745	0	
673	N673	15.861216	42.903	4.25	0	
674	N674	15.462792	42.903	3.6246	0	
675	N675	15.011378	42.903	3.036305	0	
676	N676	14.510408	42.903	2.489592	0	
677	N677	13.963695	42.903	1.988622	0	
678	N678	13.3754	42.903	1.537208	0	
679	N679	12.75	42.903	1.138784	0	
680	N680	12.092255	42.903	0.796384	0	
681	N681	11.407171	42.903	0.512613	0	
682	N682	10.699962	42.903	0.28963	0	
683	N683	9.97601	42.903	0.129134	0	
684	N684	9.240824	42.903	0.032345	0	
685	N685	8.5	42.903	0	0	
686	N686	7.759176	42.903	0.032345	0	
687	N687	7.02399	42.903	0.129134	0	
688	N688	6.300038	42.903	0.28963	0	
689	N689	5.592829	42.903	0.512613	0	
690	N690	4.907745	42.903	0.796384	0	
691	N691	4.25	42.903	1.138784	0	
692	N692	3.6246	42.903	1.537208	0	
693	N693	3.036305	42.903	1.988622	0	
694	N694	2.489592	42.903	2.489592	0	
695	N695	1.988622	42.903	3.036305	0	
696	N696	1.537208	42.903	3.6246	0	
697	N697	1.138784	42.903	4.25	0	
698	N698	0.796384	42.903	4.907745	0	
699	N699	0.512613	42.903	5.592829	0	
700	N700	0.28963	42.903	6.300038	0	
701	N701	0.129134	42.903	7.02399	0	
702	N702	0.032345	42.903	7.759176	0	
703	N703	0	42.903	8.5	0	
704	N704	0.032345	42.903	9.240824	0	
705	N705	0.129134	42.903	9.97601	0	
706	N706	0.28963	42.903	10.699962	0	
707	N707	0.512613	42.903	11.407171	0	
708	N708	0.796384	42.903	12.092255	0	
709	N709	1.138784	42.903	12.75	0	
710	N710	1.537208	42.903	13.3754	0	
711	N711	1.988622	42.903	13.963695	0	
712	N712	2.489592	42.903	14.510408	0	
713	N713	3.036305	42.903	15.011378	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
714	N714	3.6246	42.903	15.462792	0	
715	N715	4.25	42.903	15.861216	0	
716	N716	4.907745	42.903	16.203616	0	
717	N717	5.592829	42.903	16.487387	0	
718	N718	6.300038	42.903	16.71037	0	
719	N719	7.02399	42.903	16.870866	0	
720	N720	7.759176	42.903	16.967655	0	
721	N721	8.5	47.67	17	0	
722	N722	9.240824	47.67	16.967655	0	
723	N723	9.97601	47.67	16.870866	0	
724	N724	10.699962	47.67	16.71037	0	
725	N725	11.407171	47.67	16.487387	0	
726	N726	12.092255	47.67	16.203616	0	
727	N727	12.75	47.67	15.861216	0	
728	N728	13.3754	47.67	15.462792	0	
729	N729	13.963695	47.67	15.011378	0	
730	N730	14.510408	47.67	14.510408	0	
731	N731	15.011378	47.67	13.963695	0	
732	N732	15.462792	47.67	13.3754	0	
733	N733	15.861216	47.67	12.75	0	
734	N734	16.203616	47.67	12.092255	0	
735	N735	16.487387	47.67	11.407171	0	
736	N736	16.71037	47.67	10.699962	0	
737	N737	16.870866	47.67	9.97601	0	
738	N738	16.967655	47.67	9.240824	0	
739	N739	17	47.67	8.5	0	
740	N740	16.967655	47.67	7.759176	0	
741	N741	16.870866	47.67	7.02399	0	
742	N742	16.71037	47.67	6.300038	0	
743	N743	16.487387	47.67	5.592829	0	
744	N744	16.203616	47.67	4.907745	0	
745	N745	15.861216	47.67	4.25	0	
746	N746	15.462792	47.67	3.6246	0	
747	N747	15.011378	47.67	3.036305	0	
748	N748	14.510408	47.67	2.489592	0	
749	N749	13.963695	47.67	1.988622	0	
750	N750	13.3754	47.67	1.537208	0	
751	N751	12.75	47.67	1.138784	0	
752	N752	12.092255	47.67	0.796384	0	
753	N753	11.407171	47.67	0.512613	0	
754	N754	10.699962	47.67	0.28963	0	
755	N755	9.97601	47.67	0.129134	0	
756	N756	9.240824	47.67	0.032345	0	
757	N757	8.5	47.67	0	0	
758	N758	7.759176	47.67	0.032345	0	
759	N759	7.02399	47.67	0.129134	0	
760	N760	6.300038	47.67	0.28963	0	
761	N761	5.592829	47.67	0.512613	0	
762	N762	4.907745	47.67	0.796384	0	
763	N763	4.25	47.67	1.138784	0	
764	N764	3.6246	47.67	1.537208	0	
765	N765	3.036305	47.67	1.988622	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
766	N766	2.489592	47.67	2.489592	0	
767	N767	1.988622	47.67	3.036305	0	
768	N768	1.537208	47.67	3.6246	0	
769	N769	1.138784	47.67	4.25	0	
770	N770	0.796384	47.67	4.907745	0	
771	N771	0.512613	47.67	5.592829	0	
772	N772	0.28963	47.67	6.300038	0	
773	N773	0.129134	47.67	7.02399	0	
774	N774	0.032345	47.67	7.759176	0	
775	N775	0	47.67	8.5	0	
776	N776	0.032345	47.67	9.240824	0	
777	N777	0.129134	47.67	9.97601	0	
778	N778	0.28963	47.67	10.699962	0	
779	N779	0.512613	47.67	11.407171	0	
780	N780	0.796384	47.67	12.092255	0	
781	N781	1.138784	47.67	12.75	0	
782	N782	1.537208	47.67	13.3754	0	
783	N783	1.988622	47.67	13.963695	0	
784	N784	2.489592	47.67	14.510408	0	
785	N785	3.036305	47.67	15.011378	0	
786	N786	3.6246	47.67	15.462792	0	
787	N787	4.25	47.67	15.861216	0	
788	N788	4.907745	47.67	16.203616	0	
789	N789	5.592829	47.67	16.487387	0	
790	N790	6.300038	47.67	16.71037	0	
791	N791	7.02399	47.67	16.870866	0	
792	N792	7.759176	47.67	16.967655	0	
793	N793	8.5	47.67	10.2	0	
794	N794	8.648165	47.67	10.193531	0	
795	N795	8.795202	47.67	10.174173	0	
796	N796	8.939992	47.67	10.142074	0	
797	N797	9.081434	47.67	10.097477	0	
798	N798	9.218451	47.67	10.040723	0	
799	N799	9.35	47.67	9.972243	0	
800	N800	9.47508	47.67	9.892558	0	
801	N801	9.592739	47.67	9.802276	0	
802	N802	9.702082	47.67	9.702082	0	
803	N803	9.802276	47.67	9.592739	0	
804	N804	9.892558	47.67	9.47508	0	
805	N805	9.972243	47.67	9.35	0	
806	N806	10.040723	47.67	9.218451	0	
807	N807	10.097477	47.67	9.081434	0	
808	N808	10.142074	47.67	8.939992	0	
809	N809	10.174173	47.67	8.795202	0	
810	N810	10.193531	47.67	8.648165	0	
811	N811	10.2	47.67	8.5	0	
812	N812	10.193531	47.67	8.351835	0	
813	N813	10.174173	47.67	8.204798	0	
814	N814	10.142074	47.67	8.060008	0	
815	N815	10.097477	47.67	7.918566	0	
816	N816	10.040723	47.67	7.781549	0	
817	N817	9.972243	47.67	7.65	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
818	N818	9.892558	47.67	7.52492	0	
819	N819	9.802276	47.67	7.407261	0	
820	N820	9.702082	47.67	7.297918	0	
821	N821	9.592739	47.67	7.197724	0	
822	N822	9.47508	47.67	7.107442	0	
823	N823	9.35	47.67	7.027757	0	
824	N824	9.218451	47.67	6.959277	0	
825	N825	9.081434	47.67	6.902523	0	
826	N826	8.939992	47.67	6.857926	0	
827	N827	8.795202	47.67	6.825827	0	
828	N828	8.648165	47.67	6.806469	0	
829	N829	8.5	47.67	6.8	0	
830	N830	8.351835	47.67	6.806469	0	
831	N831	8.204798	47.67	6.825827	0	
832	N832	8.060008	47.67	6.857926	0	
833	N833	7.918566	47.67	6.902523	0	
834	N834	7.781549	47.67	6.959277	0	
835	N835	7.65	47.67	7.027757	0	
836	N836	7.52492	47.67	7.107442	0	
837	N837	7.407261	47.67	7.197724	0	
838	N838	7.297918	47.67	7.297918	0	
839	N839	7.197724	47.67	7.407261	0	
840	N840	7.107442	47.67	7.52492	0	
841	N841	7.027757	47.67	7.65	0	
842	N842	6.959277	47.67	7.781549	0	
843	N843	6.902523	47.67	7.918566	0	
844	N844	6.857926	47.67	8.060008	0	
845	N845	6.825827	47.67	8.204798	0	
846	N846	6.806469	47.67	8.351835	0	
847	N847	6.8	47.67	8.5	0	
848	N848	6.806469	47.67	8.648165	0	
849	N849	6.825827	47.67	8.795202	0	
850	N850	6.857926	47.67	8.939992	0	
851	N851	6.902523	47.67	9.081434	0	
852	N852	6.959277	47.67	9.218451	0	
853	N853	7.027757	47.67	9.35	0	
854	N854	7.107442	47.67	9.47508	0	
855	N855	7.197724	47.67	9.592739	0	
856	N856	7.297918	47.67	9.702082	0	
857	N857	7.407261	47.67	9.802276	0	
858	N858	7.52492	47.67	9.892558	0	
859	N859	7.65	47.67	9.972243	0	
860	N860	7.781549	47.67	10.040723	0	
861	N861	7.918566	47.67	10.097477	0	
862	N862	8.060008	47.67	10.142074	0	
863	N863	8.204798	47.67	10.174173	0	
864	N864	8.351835	47.67	10.193531	0	
865	N865	8.5	47.67	11.9	0	
866	N866	8.79633	47.67	11.887062	0	
867	N867	9.090404	47.67	11.848346	0	
868	N868	9.379985	47.67	11.784148	0	
869	N869	9.662868	47.67	11.694955	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
870	N870	9.936902	47.67	11.581446	0	
871	N871	10.2	47.67	11.444486	0	
872	N872	10.45016	47.67	11.285117	0	
873	N873	10.685478	47.67	11.104551	0	
874	N874	10.904163	47.67	10.904163	0	
875	N875	11.104551	47.67	10.685478	0	
876	N876	11.285117	47.67	10.45016	0	
877	N877	11.444486	47.67	10.2	0	
878	N878	11.581446	47.67	9.936902	0	
879	N879	11.694955	47.67	9.662868	0	
880	N880	11.784148	47.67	9.379985	0	
881	N881	11.848346	47.67	9.090404	0	
882	N882	11.887062	47.67	8.79633	0	
883	N883	11.9	47.67	8.5	0	
884	N884	11.887062	47.67	8.20367	0	
885	N885	11.848346	47.67	7.909596	0	
886	N886	11.784148	47.67	7.620015	0	
887	N887	11.694955	47.67	7.337132	0	
888	N888	11.581446	47.67	7.063098	0	
889	N889	11.444486	47.67	6.8	0	
890	N890	11.285117	47.67	6.54984	0	
891	N891	11.104551	47.67	6.314522	0	
892	N892	10.904163	47.67	6.095837	0	
893	N893	10.685478	47.67	5.895449	0	
894	N894	10.45016	47.67	5.714883	0	
895	N895	10.2	47.67	5.555514	0	
896	N896	9.936902	47.67	5.418554	0	
897	N897	9.662868	47.67	5.305045	0	
898	N898	9.379985	47.67	5.215852	0	
899	N899	9.090404	47.67	5.151654	0	
900	N900	8.79633	47.67	5.112938	0	
901	N901	8.5	47.67	5.1	0	
902	N902	8.20367	47.67	5.112938	0	
903	N903	7.909596	47.67	5.151654	0	
904	N904	7.620015	47.67	5.215852	0	
905	N905	7.337132	47.67	5.305045	0	
906	N906	7.063098	47.67	5.418554	0	
907	N907	6.8	47.67	5.555514	0	
908	N908	6.54984	47.67	5.714883	0	
909	N909	6.314522	47.67	5.895449	0	
910	N910	6.095837	47.67	6.095837	0	
911	N911	5.895449	47.67	6.314522	0	
912	N912	5.714883	47.67	6.54984	0	
913	N913	5.555514	47.67	6.8	0	
914	N914	5.418554	47.67	7.063098	0	
915	N915	5.305045	47.67	7.337132	0	
916	N916	5.215852	47.67	7.620015	0	
917	N917	5.151654	47.67	7.909596	0	
918	N918	5.112938	47.67	8.20367	0	
919	N919	5.1	47.67	8.5	0	
920	N920	5.112938	47.67	8.79633	0	
921	N921	5.151654	47.67	9.090404	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
922	N922	5.215852	47.67	9.379985	0	
923	N923	5.305045	47.67	9.662868	0	
924	N924	5.418554	47.67	9.936902	0	
925	N925	5.555514	47.67	10.2	0	
926	N926	5.714883	47.67	10.45016	0	
927	N927	5.895449	47.67	10.685478	0	
928	N928	6.095837	47.67	10.904163	0	
929	N929	6.314522	47.67	11.104551	0	
930	N930	6.54984	47.67	11.285117	0	
931	N931	6.8	47.67	11.444486	0	
932	N932	7.063098	47.67	11.581446	0	
933	N933	7.337132	47.67	11.694955	0	
934	N934	7.620015	47.67	11.784148	0	
935	N935	7.909596	47.67	11.848346	0	
936	N936	8.20367	47.67	11.887062	0	
937	N937	8.5	47.67	13.6	0	
938	N938	8.944494	47.67	13.580593	0	
939	N939	9.385606	47.67	13.52252	0	
940	N940	9.819977	47.67	13.426222	0	
941	N941	10.244303	47.67	13.292432	0	
942	N942	10.655353	47.67	13.12217	0	
943	N943	11.05	47.67	12.91673	0	
944	N944	11.42524	47.67	12.677675	0	
945	N945	11.778217	47.67	12.406827	0	
946	N946	12.106245	47.67	12.106245	0	
947	N947	12.406827	47.67	11.778217	0	
948	N948	12.677675	47.67	11.42524	0	
949	N949	12.91673	47.67	11.05	0	
950	N950	13.12217	47.67	10.655353	0	
951	N951	13.292432	47.67	10.244303	0	
952	N952	13.426222	47.67	9.819977	0	
953	N953	13.52252	47.67	9.385606	0	
954	N954	13.580593	47.67	8.944494	0	
955	N955	13.6	47.67	8.5	0	
956	N956	13.580593	47.67	8.055506	0	
957	N957	13.52252	47.67	7.614394	0	
958	N958	13.426222	47.67	7.180023	0	
959	N959	13.292432	47.67	6.755697	0	
960	N960	13.12217	47.67	6.344647	0	
961	N961	12.91673	47.67	5.95	0	
962	N962	12.677675	47.67	5.57476	0	
963	N963	12.406827	47.67	5.221783	0	
964	N964	12.106245	47.67	4.893755	0	
965	N965	11.778217	47.67	4.593173	0	
966	N966	11.42524	47.67	4.322325	0	
967	N967	11.05	47.67	4.08327	0	
968	N968	10.655353	47.67	3.87783	0	
969	N969	10.244303	47.67	3.707568	0	
970	N970	9.819977	47.67	3.573778	0	
971	N971	9.385606	47.67	3.47748	0	
972	N972	8.944494	47.67	3.419407	0	
973	N973	8.5	47.67	3.4	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
974	N974	8.055506	47.67	3.419407	0	
975	N975	7.614394	47.67	3.47748	0	
976	N976	7.180023	47.67	3.573778	0	
977	N977	6.755697	47.67	3.707568	0	
978	N978	6.344647	47.67	3.87783	0	
979	N979	5.95	47.67	4.08327	0	
980	N980	5.57476	47.67	4.322325	0	
981	N981	5.221783	47.67	4.593173	0	
982	N982	4.893755	47.67	4.893755	0	
983	N983	4.593173	47.67	5.221783	0	
984	N984	4.322325	47.67	5.57476	0	
985	N985	4.08327	47.67	5.95	0	
986	N986	3.87783	47.67	6.344647	0	
987	N987	3.707568	47.67	6.755697	0	
988	N988	3.573778	47.67	7.180023	0	
989	N989	3.47748	47.67	7.614394	0	
990	N990	3.419407	47.67	8.055506	0	
991	N991	3.4	47.67	8.5	0	
992	N992	3.419407	47.67	8.944494	0	
993	N993	3.47748	47.67	9.385606	0	
994	N994	3.573778	47.67	9.819977	0	
995	N995	3.707568	47.67	10.244303	0	
996	N996	3.87783	47.67	10.655353	0	
997	N997	4.08327	47.67	11.05	0	
998	N998	4.322325	47.67	11.42524	0	
999	N999	4.593173	47.67	11.778217	0	
1000	N1000	4.893755	47.67	12.106245	0	
1001	N1001	5.221783	47.67	12.406827	0	
1002	N1002	5.57476	47.67	12.677675	0	
1003	N1003	5.95	47.67	12.91673	0	
1004	N1004	6.344647	47.67	13.12217	0	
1005	N1005	6.755697	47.67	13.292432	0	
1006	N1006	7.180023	47.67	13.426222	0	
1007	N1007	7.614394	47.67	13.52252	0	
1008	N1008	8.055506	47.67	13.580593	0	
1009	N1009	8.5	47.67	15.3	0	
1010	N1010	9.092659	47.67	15.274124	0	
1011	N1011	9.680808	47.67	15.196693	0	
1012	N1012	10.25997	47.67	15.068296	0	
1013	N1013	10.825737	47.67	14.88991	0	
1014	N1014	11.373804	47.67	14.662893	0	
1015	N1015	11.9	47.67	14.388973	0	
1016	N1016	12.40032	47.67	14.070234	0	
1017	N1017	12.870956	47.67	13.709102	0	
1018	N1018	13.308326	47.67	13.308326	0	
1019	N1019	13.709102	47.67	12.870956	0	
1020	N1020	14.070234	47.67	12.40032	0	
1021	N1021	14.388973	47.67	11.9	0	
1022	N1022	14.662893	47.67	11.373804	0	
1023	N1023	14.88991	47.67	10.825737	0	
1024	N1024	15.068296	47.67	10.25997	0	
1025	N1025	15.196693	47.67	9.680808	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1026	N1026	15.274124	47.67	9.092659	0	
1027	N1027	15.3	47.67	8.5	0	
1028	N1028	15.274124	47.67	7.907341	0	
1029	N1029	15.196693	47.67	7.319192	0	
1030	N1030	15.068296	47.67	6.74003	0	
1031	N1031	14.88991	47.67	6.174263	0	
1032	N1032	14.662893	47.67	5.626196	0	
1033	N1033	14.388973	47.67	5.1	0	
1034	N1034	14.070234	47.67	4.59968	0	
1035	N1035	13.709102	47.67	4.129044	0	
1036	N1036	13.308326	47.67	3.691674	0	
1037	N1037	12.870956	47.67	3.290898	0	
1038	N1038	12.40032	47.67	2.929766	0	
1039	N1039	11.9	47.67	2.611027	0	
1040	N1040	11.373804	47.67	2.337107	0	
1041	N1041	10.825737	47.67	2.11009	0	
1042	N1042	10.25997	47.67	1.931704	0	
1043	N1043	9.680808	47.67	1.803307	0	
1044	N1044	9.092659	47.67	1.725876	0	
1045	N1045	8.5	47.67	1.7	0	
1046	N1046	7.907341	47.67	1.725876	0	
1047	N1047	7.319192	47.67	1.803307	0	
1048	N1048	6.74003	47.67	1.931704	0	
1049	N1049	6.174263	47.67	2.11009	0	
1050	N1050	5.626196	47.67	2.337107	0	
1051	N1051	5.1	47.67	2.611027	0	
1052	N1052	4.59968	47.67	2.929766	0	
1053	N1053	4.129044	47.67	3.290898	0	
1054	N1054	3.691674	47.67	3.691674	0	
1055	N1055	3.290898	47.67	4.129044	0	
1056	N1056	2.929766	47.67	4.59968	0	
1057	N1057	2.611027	47.67	5.1	0	
1058	N1058	2.337107	47.67	5.626196	0	
1059	N1059	2.11009	47.67	6.174263	0	
1060	N1060	1.931704	47.67	6.74003	0	
1061	N1061	1.803307	47.67	7.319192	0	
1062	N1062	1.725876	47.67	7.907341	0	
1063	N1063	1.7	47.67	8.5	0	
1064	N1064	1.725876	47.67	9.092659	0	
1065	N1065	1.803307	47.67	9.680808	0	
1066	N1066	1.931704	47.67	10.25997	0	
1067	N1067	2.11009	47.67	10.825737	0	
1068	N1068	2.337107	47.67	11.373804	0	
1069	N1069	2.611027	47.67	11.9	0	
1070	N1070	2.929766	47.67	12.40032	0	
1071	N1071	3.290898	47.67	12.870956	0	
1072	N1072	3.691674	47.67	13.308326	0	
1073	N1073	4.129044	47.67	13.709102	0	
1074	N1074	4.59968	47.67	14.070234	0	
1075	N1075	5.1	47.67	14.388973	0	
1076	N1076	5.626196	47.67	14.662893	0	
1077	N1077	6.174263	47.67	14.88991	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1078	N1078	6.74003	47.67	15.068296	0	
1079	N1079	7.319192	47.67	15.196693	0	
1080	N1080	7.907341	47.67	15.274124	0	
1081	N1081	9.35	47.67	7.65	0	
1082	N1082	9.35	47.67	7.744444	0	
1083	N1083	9.35	47.67	7.838889	0	
1084	N1084	9.35	47.67	7.933333	0	
1085	N1085	9.35	47.67	8.027778	0	
1086	N1086	9.35	47.67	8.122222	0	
1087	N1087	9.35	47.67	8.216667	0	
1088	N1088	9.35	47.67	8.311111	0	
1089	N1089	9.35	47.67	8.405556	0	
1090	N1090	9.35	47.67	8.5	0	
1091	N1091	9.35	47.67	8.594444	0	
1092	N1092	9.35	47.67	8.688889	0	
1093	N1093	9.35	47.67	8.783333	0	
1094	N1094	9.35	47.67	8.877778	0	
1095	N1095	9.35	47.67	8.972222	0	
1096	N1096	9.35	47.67	9.066667	0	
1097	N1097	9.35	47.67	9.161111	0	
1098	N1098	9.35	47.67	9.255556	0	
1099	N1099	9.35	47.67	9.35	0	
1100	N1100	9.255556	47.67	7.65	0	
1101	N1101	9.255556	47.67	7.744444	0	
1102	N1102	9.255556	47.67	7.838889	0	
1103	N1103	9.255556	47.67	7.933333	0	
1104	N1104	9.255556	47.67	8.027778	0	
1105	N1105	9.255556	47.67	8.122222	0	
1106	N1106	9.255556	47.67	8.216667	0	
1107	N1107	9.255556	47.67	8.311111	0	
1108	N1108	9.255556	47.67	8.405556	0	
1109	N1109	9.255556	47.67	8.5	0	
1110	N1110	9.255556	47.67	8.594444	0	
1111	N1111	9.255556	47.67	8.688889	0	
1112	N1112	9.255556	47.67	8.783333	0	
1113	N1113	9.255556	47.67	8.877778	0	
1114	N1114	9.255556	47.67	8.972222	0	
1115	N1115	9.255556	47.67	9.066667	0	
1116	N1116	9.255556	47.67	9.161111	0	
1117	N1117	9.255556	47.67	9.255556	0	
1118	N1118	9.255556	47.67	9.35	0	
1119	N1119	9.161111	47.67	7.65	0	
1120	N1120	9.161111	47.67	7.744444	0	
1121	N1121	9.161111	47.67	7.838889	0	
1122	N1122	9.161111	47.67	7.933333	0	
1123	N1123	9.161111	47.67	8.027778	0	
1124	N1124	9.161111	47.67	8.122222	0	
1125	N1125	9.161111	47.67	8.216667	0	
1126	N1126	9.161111	47.67	8.311111	0	
1127	N1127	9.161111	47.67	8.405556	0	
1128	N1128	9.161111	47.67	8.5	0	
1129	N1129	9.161111	47.67	8.594444	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1130	N1130	9.161111	47.67	8.688889	0	
1131	N1131	9.161111	47.67	8.783333	0	
1132	N1132	9.161111	47.67	8.877778	0	
1133	N1133	9.161111	47.67	8.972222	0	
1134	N1134	9.161111	47.67	9.066667	0	
1135	N1135	9.161111	47.67	9.161111	0	
1136	N1136	9.161111	47.67	9.255556	0	
1137	N1137	9.161111	47.67	9.35	0	
1138	N1138	9.066667	47.67	7.65	0	
1139	N1139	9.066667	47.67	7.744444	0	
1140	N1140	9.066667	47.67	7.838889	0	
1141	N1141	9.066667	47.67	7.933333	0	
1142	N1142	9.066667	47.67	8.027778	0	
1143	N1143	9.066667	47.67	8.122222	0	
1144	N1144	9.066667	47.67	8.216667	0	
1145	N1145	9.066667	47.67	8.311111	0	
1146	N1146	9.066667	47.67	8.405556	0	
1147	N1147	9.066667	47.67	8.5	0	
1148	N1148	9.066667	47.67	8.594444	0	
1149	N1149	9.066667	47.67	8.688889	0	
1150	N1150	9.066667	47.67	8.783333	0	
1151	N1151	9.066667	47.67	8.877778	0	
1152	N1152	9.066667	47.67	8.972222	0	
1153	N1153	9.066667	47.67	9.066667	0	
1154	N1154	9.066667	47.67	9.161111	0	
1155	N1155	9.066667	47.67	9.255556	0	
1156	N1156	9.066667	47.67	9.35	0	
1157	N1157	8.972222	47.67	7.65	0	
1158	N1158	8.972222	47.67	7.744444	0	
1159	N1159	8.972222	47.67	7.838889	0	
1160	N1160	8.972222	47.67	7.933333	0	
1161	N1161	8.972222	47.67	8.027778	0	
1162	N1162	8.972222	47.67	8.122222	0	
1163	N1163	8.972222	47.67	8.216667	0	
1164	N1164	8.972222	47.67	8.311111	0	
1165	N1165	8.972222	47.67	8.405556	0	
1166	N1166	8.972222	47.67	8.5	0	
1167	N1167	8.972222	47.67	8.594444	0	
1168	N1168	8.972222	47.67	8.688889	0	
1169	N1169	8.972222	47.67	8.783333	0	
1170	N1170	8.972222	47.67	8.877778	0	
1171	N1171	8.972222	47.67	8.972222	0	
1172	N1172	8.972222	47.67	9.066667	0	
1173	N1173	8.972222	47.67	9.161111	0	
1174	N1174	8.972222	47.67	9.255556	0	
1175	N1175	8.972222	47.67	9.35	0	
1176	N1176	8.877778	47.67	7.65	0	
1177	N1177	8.877778	47.67	7.744444	0	
1178	N1178	8.877778	47.67	7.838889	0	
1179	N1179	8.877778	47.67	7.933333	0	
1180	N1180	8.877778	47.67	8.027778	0	
1181	N1181	8.877778	47.67	8.122222	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1182	N1182	8.877778	47.67	8.216667	0	
1183	N1183	8.877778	47.67	8.311111	0	
1184	N1184	8.877778	47.67	8.405556	0	
1185	N1185	8.877778	47.67	8.5	0	
1186	N1186	8.877778	47.67	8.594444	0	
1187	N1187	8.877778	47.67	8.688889	0	
1188	N1188	8.877778	47.67	8.783333	0	
1189	N1189	8.877778	47.67	8.877778	0	
1190	N1190	8.877778	47.67	8.972222	0	
1191	N1191	8.877778	47.67	9.066667	0	
1192	N1192	8.877778	47.67	9.161111	0	
1193	N1193	8.877778	47.67	9.255556	0	
1194	N1194	8.877778	47.67	9.35	0	
1195	N1195	8.783333	47.67	7.65	0	
1196	N1196	8.783333	47.67	7.744444	0	
1197	N1197	8.783333	47.67	7.838889	0	
1198	N1198	8.783333	47.67	7.933333	0	
1199	N1199	8.783333	47.67	8.027778	0	
1200	N1200	8.783333	47.67	8.122222	0	
1201	N1201	8.783333	47.67	8.216667	0	
1202	N1202	8.783333	47.67	8.311111	0	
1203	N1203	8.783333	47.67	8.405556	0	
1204	N1204	8.783333	47.67	8.5	0	
1205	N1205	8.783333	47.67	8.594444	0	
1206	N1206	8.783333	47.67	8.688889	0	
1207	N1207	8.783333	47.67	8.783333	0	
1208	N1208	8.783333	47.67	8.877778	0	
1209	N1209	8.783333	47.67	8.972222	0	
1210	N1210	8.783333	47.67	9.066667	0	
1211	N1211	8.783333	47.67	9.161111	0	
1212	N1212	8.783333	47.67	9.255556	0	
1213	N1213	8.783333	47.67	9.35	0	
1214	N1214	8.688889	47.67	7.65	0	
1215	N1215	8.688889	47.67	7.744444	0	
1216	N1216	8.688889	47.67	7.838889	0	
1217	N1217	8.688889	47.67	7.933333	0	
1218	N1218	8.688889	47.67	8.027778	0	
1219	N1219	8.688889	47.67	8.122222	0	
1220	N1220	8.688889	47.67	8.216667	0	
1221	N1221	8.688889	47.67	8.311111	0	
1222	N1222	8.688889	47.67	8.405556	0	
1223	N1223	8.688889	47.67	8.5	0	
1224	N1224	8.688889	47.67	8.594444	0	
1225	N1225	8.688889	47.67	8.688889	0	
1226	N1226	8.688889	47.67	8.783333	0	
1227	N1227	8.688889	47.67	8.877778	0	
1228	N1228	8.688889	47.67	8.972222	0	
1229	N1229	8.688889	47.67	9.066667	0	
1230	N1230	8.688889	47.67	9.161111	0	
1231	N1231	8.688889	47.67	9.255556	0	
1232	N1232	8.688889	47.67	9.35	0	
1233	N1233	8.594444	47.67	7.65	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1234	N1234	8.594444	47.67	7.744444	0	
1235	N1235	8.594444	47.67	7.838889	0	
1236	N1236	8.594444	47.67	7.933333	0	
1237	N1237	8.594444	47.67	8.027778	0	
1238	N1238	8.594444	47.67	8.122222	0	
1239	N1239	8.594444	47.67	8.216667	0	
1240	N1240	8.594444	47.67	8.311111	0	
1241	N1241	8.594444	47.67	8.405556	0	
1242	N1242	8.594444	47.67	8.5	0	
1243	N1243	8.594444	47.67	8.594444	0	
1244	N1244	8.594444	47.67	8.688889	0	
1245	N1245	8.594444	47.67	8.783333	0	
1246	N1246	8.594444	47.67	8.877778	0	
1247	N1247	8.594444	47.67	8.972222	0	
1248	N1248	8.594444	47.67	9.066667	0	
1249	N1249	8.594444	47.67	9.161111	0	
1250	N1250	8.594444	47.67	9.255556	0	
1251	N1251	8.594444	47.67	9.35	0	
1252	N1252	8.5	47.67	7.65	0	
1253	N1253	8.5	47.67	7.744444	0	
1254	N1254	8.5	47.67	7.838889	0	
1255	N1255	8.5	47.67	7.933333	0	
1256	N1256	8.5	47.67	8.027778	0	
1257	N1257	8.5	47.67	8.122222	0	
1258	N1258	8.5	47.67	8.216667	0	
1259	N1259	8.5	47.67	8.311111	0	
1260	N1260	8.5	47.67	8.405556	0	
1261	N1261	8.5	47.67	8.5	0	
1262	N1262	8.5	47.67	8.594444	0	
1263	N1263	8.5	47.67	8.688889	0	
1264	N1264	8.5	47.67	8.783333	0	
1265	N1265	8.5	47.67	8.877778	0	
1266	N1266	8.5	47.67	8.972222	0	
1267	N1267	8.5	47.67	9.066667	0	
1268	N1268	8.5	47.67	9.161111	0	
1269	N1269	8.5	47.67	9.255556	0	
1270	N1270	8.5	47.67	9.35	0	
1271	N1271	8.405556	47.67	7.65	0	
1272	N1272	8.405556	47.67	7.744444	0	
1273	N1273	8.405556	47.67	7.838889	0	
1274	N1274	8.405556	47.67	7.933333	0	
1275	N1275	8.405556	47.67	8.027778	0	
1276	N1276	8.405556	47.67	8.122222	0	
1277	N1277	8.405556	47.67	8.216667	0	
1278	N1278	8.405556	47.67	8.311111	0	
1279	N1279	8.405556	47.67	8.405556	0	
1280	N1280	8.405556	47.67	8.5	0	
1281	N1281	8.405556	47.67	8.594444	0	
1282	N1282	8.405556	47.67	8.688889	0	
1283	N1283	8.405556	47.67	8.783333	0	
1284	N1284	8.405556	47.67	8.877778	0	
1285	N1285	8.405556	47.67	8.972222	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1286	N1286	8.405556	47.67	9.066667	0	
1287	N1287	8.405556	47.67	9.161111	0	
1288	N1288	8.405556	47.67	9.255556	0	
1289	N1289	8.405556	47.67	9.35	0	
1290	N1290	8.311111	47.67	7.65	0	
1291	N1291	8.311111	47.67	7.744444	0	
1292	N1292	8.311111	47.67	7.838889	0	
1293	N1293	8.311111	47.67	7.933333	0	
1294	N1294	8.311111	47.67	8.027778	0	
1295	N1295	8.311111	47.67	8.122222	0	
1296	N1296	8.311111	47.67	8.216667	0	
1297	N1297	8.311111	47.67	8.311111	0	
1298	N1298	8.311111	47.67	8.405556	0	
1299	N1299	8.311111	47.67	8.5	0	
1300	N1300	8.311111	47.67	8.594444	0	
1301	N1301	8.311111	47.67	8.688889	0	
1302	N1302	8.311111	47.67	8.783333	0	
1303	N1303	8.311111	47.67	8.877778	0	
1304	N1304	8.311111	47.67	8.972222	0	
1305	N1305	8.311111	47.67	9.066667	0	
1306	N1306	8.311111	47.67	9.161111	0	
1307	N1307	8.311111	47.67	9.255556	0	
1308	N1308	8.311111	47.67	9.35	0	
1309	N1309	8.216667	47.67	7.65	0	
1310	N1310	8.216667	47.67	7.744444	0	
1311	N1311	8.216667	47.67	7.838889	0	
1312	N1312	8.216667	47.67	7.933333	0	
1313	N1313	8.216667	47.67	8.027778	0	
1314	N1314	8.216667	47.67	8.122222	0	
1315	N1315	8.216667	47.67	8.216667	0	
1316	N1316	8.216667	47.67	8.311111	0	
1317	N1317	8.216667	47.67	8.405556	0	
1318	N1318	8.216667	47.67	8.5	0	
1319	N1319	8.216667	47.67	8.594444	0	
1320	N1320	8.216667	47.67	8.688889	0	
1321	N1321	8.216667	47.67	8.783333	0	
1322	N1322	8.216667	47.67	8.877778	0	
1323	N1323	8.216667	47.67	8.972222	0	
1324	N1324	8.216667	47.67	9.066667	0	
1325	N1325	8.216667	47.67	9.161111	0	
1326	N1326	8.216667	47.67	9.255556	0	
1327	N1327	8.216667	47.67	9.35	0	
1328	N1328	8.122222	47.67	7.65	0	
1329	N1329	8.122222	47.67	7.744444	0	
1330	N1330	8.122222	47.67	7.838889	0	
1331	N1331	8.122222	47.67	7.933333	0	
1332	N1332	8.122222	47.67	8.027778	0	
1333	N1333	8.122222	47.67	8.122222	0	
1334	N1334	8.122222	47.67	8.216667	0	
1335	N1335	8.122222	47.67	8.311111	0	
1336	N1336	8.122222	47.67	8.405556	0	
1337	N1337	8.122222	47.67	8.5	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1338	N1338	8.122222	47.67	8.594444	0	
1339	N1339	8.122222	47.67	8.688889	0	
1340	N1340	8.122222	47.67	8.783333	0	
1341	N1341	8.122222	47.67	8.877778	0	
1342	N1342	8.122222	47.67	8.972222	0	
1343	N1343	8.122222	47.67	9.066667	0	
1344	N1344	8.122222	47.67	9.161111	0	
1345	N1345	8.122222	47.67	9.255556	0	
1346	N1346	8.122222	47.67	9.35	0	
1347	N1347	8.027778	47.67	7.65	0	
1348	N1348	8.027778	47.67	7.744444	0	
1349	N1349	8.027778	47.67	7.838889	0	
1350	N1350	8.027778	47.67	7.933333	0	
1351	N1351	8.027778	47.67	8.027778	0	
1352	N1352	8.027778	47.67	8.122222	0	
1353	N1353	8.027778	47.67	8.216667	0	
1354	N1354	8.027778	47.67	8.311111	0	
1355	N1355	8.027778	47.67	8.405556	0	
1356	N1356	8.027778	47.67	8.5	0	
1357	N1357	8.027778	47.67	8.594444	0	
1358	N1358	8.027778	47.67	8.688889	0	
1359	N1359	8.027778	47.67	8.783333	0	
1360	N1360	8.027778	47.67	8.877778	0	
1361	N1361	8.027778	47.67	8.972222	0	
1362	N1362	8.027778	47.67	9.066667	0	
1363	N1363	8.027778	47.67	9.161111	0	
1364	N1364	8.027778	47.67	9.255556	0	
1365	N1365	8.027778	47.67	9.35	0	
1366	N1366	7.933333	47.67	7.65	0	
1367	N1367	7.933333	47.67	7.744444	0	
1368	N1368	7.933333	47.67	7.838889	0	
1369	N1369	7.933333	47.67	7.933333	0	
1370	N1370	7.933333	47.67	8.027778	0	
1371	N1371	7.933333	47.67	8.122222	0	
1372	N1372	7.933333	47.67	8.216667	0	
1373	N1373	7.933333	47.67	8.311111	0	
1374	N1374	7.933333	47.67	8.405556	0	
1375	N1375	7.933333	47.67	8.5	0	
1376	N1376	7.933333	47.67	8.594444	0	
1377	N1377	7.933333	47.67	8.688889	0	
1378	N1378	7.933333	47.67	8.783333	0	
1379	N1379	7.933333	47.67	8.877778	0	
1380	N1380	7.933333	47.67	8.972222	0	
1381	N1381	7.933333	47.67	9.066667	0	
1382	N1382	7.933333	47.67	9.161111	0	
1383	N1383	7.933333	47.67	9.255556	0	
1384	N1384	7.933333	47.67	9.35	0	
1385	N1385	7.838889	47.67	7.65	0	
1386	N1386	7.838889	47.67	7.744444	0	
1387	N1387	7.838889	47.67	7.838889	0	
1388	N1388	7.838889	47.67	7.933333	0	
1389	N1389	7.838889	47.67	8.027778	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1390	N1390	7.838889	47.67	8.122222	0	
1391	N1391	7.838889	47.67	8.216667	0	
1392	N1392	7.838889	47.67	8.311111	0	
1393	N1393	7.838889	47.67	8.405556	0	
1394	N1394	7.838889	47.67	8.5	0	
1395	N1395	7.838889	47.67	8.594444	0	
1396	N1396	7.838889	47.67	8.688889	0	
1397	N1397	7.838889	47.67	8.783333	0	
1398	N1398	7.838889	47.67	8.877778	0	
1399	N1399	7.838889	47.67	8.972222	0	
1400	N1400	7.838889	47.67	9.066667	0	
1401	N1401	7.838889	47.67	9.161111	0	
1402	N1402	7.838889	47.67	9.255556	0	
1403	N1403	7.838889	47.67	9.35	0	
1404	N1404	7.744444	47.67	7.65	0	
1405	N1405	7.744444	47.67	7.744444	0	
1406	N1406	7.744444	47.67	7.838889	0	
1407	N1407	7.744444	47.67	7.933333	0	
1408	N1408	7.744444	47.67	8.027778	0	
1409	N1409	7.744444	47.67	8.122222	0	
1410	N1410	7.744444	47.67	8.216667	0	
1411	N1411	7.744444	47.67	8.311111	0	
1412	N1412	7.744444	47.67	8.405556	0	
1413	N1413	7.744444	47.67	8.5	0	
1414	N1414	7.744444	47.67	8.594444	0	
1415	N1415	7.744444	47.67	8.688889	0	
1416	N1416	7.744444	47.67	8.783333	0	
1417	N1417	7.744444	47.67	8.877778	0	
1418	N1418	7.744444	47.67	8.972222	0	
1419	N1419	7.744444	47.67	9.066667	0	
1420	N1420	7.744444	47.67	9.161111	0	
1421	N1421	7.744444	47.67	9.255556	0	
1422	N1422	7.744444	47.67	9.35	0	
1423	N1423	7.65	47.67	7.65	0	
1424	N1424	7.65	47.67	7.744444	0	
1425	N1425	7.65	47.67	7.838889	0	
1426	N1426	7.65	47.67	7.933333	0	
1427	N1427	7.65	47.67	8.027778	0	
1428	N1428	7.65	47.67	8.122222	0	
1429	N1429	7.65	47.67	8.216667	0	
1430	N1430	7.65	47.67	8.311111	0	
1431	N1431	7.65	47.67	8.405556	0	
1432	N1432	7.65	47.67	8.5	0	
1433	N1433	7.65	47.67	8.594444	0	
1434	N1434	7.65	47.67	8.688889	0	
1435	N1435	7.65	47.67	8.783333	0	
1436	N1436	7.65	47.67	8.877778	0	
1437	N1437	7.65	47.67	8.972222	0	
1438	N1438	7.65	47.67	9.066667	0	
1439	N1439	7.65	47.67	9.161111	0	
1440	N1440	7.65	47.67	9.255556	0	
1441	N1441	7.65	47.67	9.35	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1442	N1442	16.487387	48.2175	11.407171	0	
1443	N1443	16.487387	48.2175	5.592829	0	
1444	N1444	7.02399	48.2175	0.129134	0	
1445	N1445	1.988622	48.2175	3.036305	0	
1446	N1446	1.988622	48.2175	13.963695	0	
1447	N1447	7.02399	48.2175	16.870866	0	
1448	N1448	1.988622	48.2175	8.5	0	
1449	N1449	11.755689	48.2175	2.860981	0	
1450	N1450	11.755689	48.2175	14.139019	0	
1451	N1451	0.607622	47.67	8.5	0	
1452	N1452	12.446189	47.67	15.335	0	
1453	N1453	12.446189	47.67	1.665	0	
1454	N1454	0.607622	48.472083	8.5	0	
1455	N1455	12.446189	48.472083	15.335	0	
1456	N1456	12.446189	48.472083	1.665	0	
1457	N1457	1.988622	48.472083	8.5	0	
1458	N1458	11.755689	48.472083	2.860981	0	
1459	N1459	11.755689	48.472083	14.139019	0	
1460	N1460	0.607622	52.26375	8.5	0	
1461	N1461	12.446189	52.26375	15.335	0	
1462	N1462	12.446189	52.26375	1.665	0	
1463	N1463	1.988622	52.26375	8.5	0	
1464	N1464	11.755689	52.26375	2.860981	0	
1465	N1465	11.755689	52.26375	14.139019	0	
1466	N1466	1.988622	54.57625	8.5	0	
1467	N1467	11.755689	54.57625	2.860981	0	
1468	N1468	11.755689	54.57625	14.139019	0	
1469	N1469	1.988622	59.57625	8.5	0	
1470	N1470	11.755689	59.57625	2.860981	0	
1471	N1471	11.755689	59.57625	14.139019	0	
1472	N1472	1.988622	62.295	8.5	0	
1473	N1473	11.755689	62.295	2.860981	0	
1474	N1474	11.755689	62.295	14.139019	0	
1475	N1475	11.755689	48.408437	14.139019	0	
1476	N1476	2.854648	54.57625	9.	0	
1477	N1477	6.751762	54.57625	11.25	0	
1478	N1478	10.648876	54.57625	13.5	0	
1479	N1479	11.755689	54.57625	13.139019	0	
1480	N1480	11.755689	54.57625	8.639019	0	
1481	N1481	11.755689	54.57625	4.139019	0	
1482	N1482	10.889663	54.57625	3.360981	0	
1483	N1483	6.992549	54.57625	5.610981	0	
1484	N1484	3.095435	54.57625	7.860981	0	
1485	N1485	2.854648	59.57625	9.	0	
1486	N1486	6.751762	59.57625	11.25	0	
1487	N1487	10.648876	59.57625	13.5	0	
1488	N1488	11.755689	59.57625	13.139019	0	
1489	N1489	11.755689	59.57625	8.639019	0	
1490	N1490	11.755689	59.57625	4.139019	0	
1491	N1491	10.889663	59.57625	3.360981	0	
1492	N1492	6.992549	59.57625	5.610981	0	
1493	N1493	3.095435	59.57625	7.860981	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1494	N1494	17	52.26375	8.5	0	
1495	N1495	4.25	52.26375	1.138784	0	
1496	N1496	4.25	52.26375	15.861216	0	
1497	N1497	8.5	52.26375	17	0	
1498	N1498	9.240824	52.26375	16.967655	0	
1499	N1499	9.97601	52.26375	16.870866	0	
1500	N1500	10.699962	52.26375	16.71037	0	
1501	N1501	11.407171	52.26375	16.487387	0	
1502	N1502	12.092255	52.26375	16.203616	0	
1503	N1503	12.75	52.26375	15.861216	0	
1504	N1504	13.3754	52.26375	15.462792	0	
1505	N1505	13.963695	52.26375	15.011378	0	
1506	N1506	14.510408	52.26375	14.510408	0	
1507	N1507	15.011378	52.26375	13.963695	0	
1508	N1508	15.462792	52.26375	13.3754	0	
1509	N1509	15.861216	52.26375	12.75	0	
1510	N1510	16.203616	52.26375	12.092255	0	
1511	N1511	16.487387	52.26375	11.407171	0	
1512	N1512	16.71037	52.26375	10.699962	0	
1513	N1513	16.870866	52.26375	9.97601	0	
1514	N1514	16.967655	52.26375	9.240824	0	
1515	N1515	16.967655	52.26375	7.759176	0	
1516	N1516	16.870866	52.26375	7.02399	0	
1517	N1517	16.71037	52.26375	6.300038	0	
1518	N1518	16.487387	52.26375	5.592829	0	
1519	N1519	16.203616	52.26375	4.907745	0	
1520	N1520	15.861216	52.26375	4.25	0	
1521	N1521	15.462792	52.26375	3.6246	0	
1522	N1522	15.011378	52.26375	3.036305	0	
1523	N1523	14.510408	52.26375	2.489592	0	
1524	N1524	13.963695	52.26375	1.988622	0	
1525	N1525	13.3754	52.26375	1.537208	0	
1526	N1526	12.75	52.26375	1.138784	0	
1527	N1527	12.092255	52.26375	0.796384	0	
1528	N1528	11.407171	52.26375	0.512613	0	
1529	N1529	10.699962	52.26375	0.28963	0	
1530	N1530	9.97601	52.26375	0.129134	0	
1531	N1531	9.240824	52.26375	0.032345	0	
1532	N1532	8.5	52.26375	0	0	
1533	N1533	7.759176	52.26375	0.032345	0	
1534	N1534	7.02399	52.26375	0.129134	0	
1535	N1535	6.300038	52.26375	0.28963	0	
1536	N1536	5.592829	52.26375	0.512613	0	
1537	N1537	4.907745	52.26375	0.796384	0	
1538	N1538	3.6246	52.26375	1.537208	0	
1539	N1539	3.036305	52.26375	1.988622	0	
1540	N1540	2.489592	52.26375	2.489592	0	
1541	N1541	1.988622	52.26375	3.036305	0	
1542	N1542	1.537208	52.26375	3.6246	0	
1543	N1543	1.138784	52.26375	4.25	0	
1544	N1544	0.796384	52.26375	4.907745	0	
1545	N1545	0.512613	52.26375	5.592829	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1546	N1546	0.28963	52.26375	6.300038	0	
1547	N1547	0.129134	52.26375	7.02399	0	
1548	N1548	0.032345	52.26375	7.759176	0	
1549	N1549	0	52.26375	8.5	0	
1550	N1550	0.032345	52.26375	9.240824	0	
1551	N1551	0.129134	52.26375	9.97601	0	
1552	N1552	0.28963	52.26375	10.699962	0	
1553	N1553	0.512613	52.26375	11.407171	0	
1554	N1554	0.796384	52.26375	12.092255	0	
1555	N1555	1.138784	52.26375	12.75	0	
1556	N1556	1.537208	52.26375	13.3754	0	
1557	N1557	1.988622	52.26375	13.963695	0	
1558	N1558	2.489592	52.26375	14.510408	0	
1559	N1559	3.036305	52.26375	15.011378	0	
1560	N1560	3.6246	52.26375	15.462792	0	
1561	N1561	4.907745	52.26375	16.203616	0	
1562	N1562	5.592829	52.26375	16.487387	0	
1563	N1563	6.300038	52.26375	16.71037	0	
1564	N1564	7.02399	52.26375	16.870866	0	
1565	N1565	7.759176	52.26375	16.967655	0	
1566	N1566	17	62.295	8.5	0	
1567	N1567	4.25	62.295	1.138784	0	
1568	N1568	4.25	62.295	15.861216	0	
1569	N1569	8.5	62.295	17	0	
1570	N1570	9.240824	62.295	16.967655	0	
1571	N1571	9.97601	62.295	16.870866	0	
1572	N1572	10.699962	62.295	16.71037	0	
1573	N1573	11.407171	62.295	16.487387	0	
1574	N1574	12.092255	62.295	16.203616	0	
1575	N1575	12.75	62.295	15.861216	0	
1576	N1576	13.3754	62.295	15.462792	0	
1577	N1577	13.963695	62.295	15.011378	0	
1578	N1578	14.510408	62.295	14.510408	0	
1579	N1579	15.011378	62.295	13.963695	0	
1580	N1580	15.462792	62.295	13.3754	0	
1581	N1581	15.861216	62.295	12.75	0	
1582	N1582	16.203616	62.295	12.092255	0	
1583	N1583	16.487387	62.295	11.407171	0	
1584	N1584	16.71037	62.295	10.699962	0	
1585	N1585	16.870866	62.295	9.97601	0	
1586	N1586	16.967655	62.295	9.240824	0	
1587	N1587	16.967655	62.295	7.759176	0	
1588	N1588	16.870866	62.295	7.02399	0	
1589	N1589	16.71037	62.295	6.300038	0	
1590	N1590	16.487387	62.295	5.592829	0	
1591	N1591	16.203616	62.295	4.907745	0	
1592	N1592	15.861216	62.295	4.25	0	
1593	N1593	15.462792	62.295	3.6246	0	
1594	N1594	15.011378	62.295	3.036305	0	
1595	N1595	14.510408	62.295	2.489592	0	
1596	N1596	13.963695	62.295	1.988622	0	
1597	N1597	13.3754	62.295	1.537208	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1598	N1598	12.75	62.295	1.138784	0	
1599	N1599	12.092255	62.295	0.796384	0	
1600	N1600	11.407171	62.295	0.512613	0	
1601	N1601	10.699962	62.295	0.28963	0	
1602	N1602	9.97601	62.295	0.129134	0	
1603	N1603	9.240824	62.295	0.032345	0	
1604	N1604	8.5	62.295	0	0	
1605	N1605	7.759176	62.295	0.032345	0	
1606	N1606	7.02399	62.295	0.129134	0	
1607	N1607	6.300038	62.295	0.28963	0	
1608	N1608	5.592829	62.295	0.512613	0	
1609	N1609	4.907745	62.295	0.796384	0	
1610	N1610	3.6246	62.295	1.537208	0	
1611	N1611	3.036305	62.295	1.988622	0	
1612	N1612	2.489592	62.295	2.489592	0	
1613	N1613	1.988622	62.295	3.036305	0	
1614	N1614	1.537208	62.295	3.6246	0	
1615	N1615	1.138784	62.295	4.25	0	
1616	N1616	0.796384	62.295	4.907745	0	
1617	N1617	0.512613	62.295	5.592829	0	
1618	N1618	0.28963	62.295	6.300038	0	
1619	N1619	0.129134	62.295	7.02399	0	
1620	N1620	0.032345	62.295	7.759176	0	
1621	N1621	0	62.295	8.5	0	
1622	N1622	0.032345	62.295	9.240824	0	
1623	N1623	0.129134	62.295	9.97601	0	
1624	N1624	0.28963	62.295	10.699962	0	
1625	N1625	0.512613	62.295	11.407171	0	
1626	N1626	0.796384	62.295	12.092255	0	
1627	N1627	1.138784	62.295	12.75	0	
1628	N1628	1.537208	62.295	13.3754	0	
1629	N1629	1.988622	62.295	13.963695	0	
1630	N1630	2.489592	62.295	14.510408	0	
1631	N1631	3.036305	62.295	15.011378	0	
1632	N1632	3.6246	62.295	15.462792	0	
1633	N1633	4.907745	62.295	16.203616	0	
1634	N1634	5.592829	62.295	16.487387	0	
1635	N1635	6.300038	62.295	16.71037	0	
1636	N1636	7.02399	62.295	16.870866	0	
1637	N1637	7.759176	62.295	16.967655	0	
1638	N1638	1.988622	64.836667	8.5	0	
1639	N1639	11.755689	64.836667	2.860981	0	
1640	N1640	11.755689	64.836667	14.139019	0	
1641	N1641	1.988622	69.503333	8.5	0	
1642	N1642	11.755689	69.503333	2.860981	0	
1643	N1643	11.755689	69.503333	14.139019	0	
1644	N1644	1.988622	72.545	8.5	0	
1645	N1645	11.755689	72.545	2.860981	0	
1646	N1646	11.755689	72.545	14.139019	0	
1647	N1647	2.854648	64.836667	9.	0	
1648	N1648	6.751762	64.836667	11.25	0	
1649	N1649	10.648876	64.836667	13.5	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1650	N1650	11.755689	64.836667	13.139019	0	
1651	N1651	11.755689	64.836667	8.639019	0	
1652	N1652	11.755689	64.836667	4.139019	0	
1653	N1653	10.889663	64.836667	3.360981	0	
1654	N1654	6.992549	64.836667	5.610981	0	
1655	N1655	3.095435	64.836667	7.860981	0	
1656	N1656	2.854648	69.503333	9.	0	
1657	N1657	6.751762	69.503333	11.25	0	
1658	N1658	10.648876	69.503333	13.5	0	
1659	N1659	11.755689	69.503333	13.139019	0	
1660	N1660	11.755689	69.503333	8.639019	0	
1661	N1661	11.755689	69.503333	4.139019	0	
1662	N1662	10.889663	69.503333	3.360981	0	
1663	N1663	6.992549	69.503333	5.610981	0	
1664	N1664	3.095435	69.503333	7.860981	0	
1665	N1665	8.5	72.545	8.5	0	
1666	N1666	8.5	72.545	17	0	
1667	N1667	9.240824	72.545	16.967655	0	
1668	N1668	9.97601	72.545	16.870866	0	
1669	N1669	10.699962	72.545	16.71037	0	
1670	N1670	11.407171	72.545	16.487387	0	
1671	N1671	12.092255	72.545	16.203616	0	
1672	N1672	12.75	72.545	15.861216	0	
1673	N1673	13.3754	72.545	15.462792	0	
1674	N1674	13.963695	72.545	15.011378	0	
1675	N1675	14.510408	72.545	14.510408	0	
1676	N1676	15.011378	72.545	13.963695	0	
1677	N1677	15.462792	72.545	13.3754	0	
1678	N1678	15.861216	72.545	12.75	0	
1679	N1679	16.203616	72.545	12.092255	0	
1680	N1680	16.487387	72.545	11.407171	0	
1681	N1681	16.71037	72.545	10.699962	0	
1682	N1682	16.870866	72.545	9.97601	0	
1683	N1683	16.967655	72.545	9.240824	0	
1684	N1684	17	72.545	8.5	0	
1685	N1685	16.967655	72.545	7.759176	0	
1686	N1686	16.870866	72.545	7.02399	0	
1687	N1687	16.71037	72.545	6.300038	0	
1688	N1688	16.487387	72.545	5.592829	0	
1689	N1689	16.203616	72.545	4.907745	0	
1690	N1690	15.861216	72.545	4.25	0	
1691	N1691	15.462792	72.545	3.6246	0	
1692	N1692	15.011378	72.545	3.036305	0	
1693	N1693	14.510408	72.545	2.489592	0	
1694	N1694	13.963695	72.545	1.988622	0	
1695	N1695	13.3754	72.545	1.537208	0	
1696	N1696	12.75	72.545	1.138784	0	
1697	N1697	12.092255	72.545	0.796384	0	
1698	N1698	11.407171	72.545	0.512613	0	
1699	N1699	10.699962	72.545	0.28963	0	
1700	N1700	9.97601	72.545	0.129134	0	
1701	N1701	9.240824	72.545	0.032345	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1702	N1702	8.5	72.545	0	0	
1703	N1703	7.759176	72.545	0.032345	0	
1704	N1704	7.02399	72.545	0.129134	0	
1705	N1705	6.300038	72.545	0.28963	0	
1706	N1706	5.592829	72.545	0.512613	0	
1707	N1707	4.907745	72.545	0.796384	0	
1708	N1708	4.25	72.545	1.138784	0	
1709	N1709	3.6246	72.545	1.537208	0	
1710	N1710	3.036305	72.545	1.988622	0	
1711	N1711	2.489592	72.545	2.489592	0	
1712	N1712	1.988622	72.545	3.036305	0	
1713	N1713	1.537208	72.545	3.6246	0	
1714	N1714	1.138784	72.545	4.25	0	
1715	N1715	0.796384	72.545	4.907745	0	
1716	N1716	0.512613	72.545	5.592829	0	
1717	N1717	0.28963	72.545	6.300038	0	
1718	N1718	0.129134	72.545	7.02399	0	
1719	N1719	0.032345	72.545	7.759176	0	
1720	N1720	0	72.545	8.5	0	
1721	N1721	0.032345	72.545	9.240824	0	
1722	N1722	0.129134	72.545	9.97601	0	
1723	N1723	0.28963	72.545	10.699962	0	
1724	N1724	0.512613	72.545	11.407171	0	
1725	N1725	0.796384	72.545	12.092255	0	
1726	N1726	1.138784	72.545	12.75	0	
1727	N1727	1.537208	72.545	13.3754	0	
1728	N1728	1.988622	72.545	13.963695	0	
1729	N1729	2.489592	72.545	14.510408	0	
1730	N1730	3.036305	72.545	15.011378	0	
1731	N1731	3.6246	72.545	15.462792	0	
1732	N1732	4.25	72.545	15.861216	0	
1733	N1733	4.907745	72.545	16.203616	0	
1734	N1734	5.592829	72.545	16.487387	0	
1735	N1735	6.300038	72.545	16.71037	0	
1736	N1736	7.02399	72.545	16.870866	0	
1737	N1737	7.759176	72.545	16.967655	0	
1738	N1738	8.5	78	8.5	0	
1739	N1739	8.5	62.295	8.5	0	
1740	N1740	8.5	52.26375	8.5	0	
1741	N1741	8.5	38.136	8.5	0	
1742	N1742	8.5	28.602	8.5	0	
1743	N1743	8.5	19.068	8.5	0	
1744	N1744	8.5	9.534	8.5	0	
1745	N1745	5.95	72.545	8.5	0	
1746	N1746	5.95	62.295	8.5	0	
1747	N1747	5.95	52.26375	8.5	0	
1748	N1748	5.95	47.67	8.5	0	
1749	N1749	5.95	38.136	8.5	0	
1750	N1750	5.95	28.602	8.5	0	
1751	N1751	5.95	19.068	8.5	0	
1752	N1752	5.95	9.534	8.5	0	
1753	N1753	11.05	72.545	8.5	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1754	N1754	11.05	62.295	8.5	0	
1755	N1755	11.05	52.26375	8.5	0	
1756	N1756	11.05	47.67	8.5	0	
1757	N1757	11.05	38.136	8.5	0	
1758	N1758	11.05	28.602	8.5	0	
1759	N1759	11.05	19.068	8.5	0	
1760	N1760	11.05	9.534	8.5	0	
1761	N1761	8.5	72.545	5.95	0	
1762	N1762	8.5	62.295	5.95	0	
1763	N1763	8.5	52.26375	5.95	0	
1764	N1764	8.5	47.67	5.95	0	
1765	N1765	8.5	38.136	5.95	0	
1766	N1766	8.5	28.602	5.95	0	
1767	N1767	8.5	19.068	5.95	0	
1768	N1768	8.5	9.534	5.95	0	
1769	N1769	8.5	72.545	11.05	0	
1770	N1770	8.5	62.295	11.05	0	
1771	N1771	8.5	52.26375	11.05	0	
1772	N1772	8.5	47.67	11.05	0	
1773	N1773	8.5	38.136	11.05	0	
1774	N1774	8.5	28.602	11.05	0	
1775	N1775	8.5	19.068	11.05	0	
1776	N1776	8.5	9.534	11.05	0	
1777	N1777	8.5	0	8.5	0	

Load Combinations

	Description	Solve	PDelta	SR.....	F...	BLC	F.....	F.....	F.....	F.....	F.....	F.....	F.....	F.....	F...
1	1.4D	Yes	Y		DL 1.4										
2	1.2D + 1.6W AZI 000	Yes	Y		DL 1.2	WLX	1.6								
3	1.2D + 1.6W AZI 090	Yes	Y		DL 1.2	WLZ	1.6								

Joint Loads and Enforced Displacements (BLC 1 : Dead)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1485	L	Y	-257.433
2	N1486	L	Y	-257.433
3	N1487	L	Y	-257.433
4	N1488	L	Y	-257.433
5	N1489	L	Y	-257.433
6	N1490	L	Y	-257.433
7	N1491	L	Y	-257.433
8	N1492	L	Y	-257.433
9	N1493	L	Y	-257.433
10	N1656	L	Y	-167.717
11	N1658	L	Y	-167.717
12	N1659	L	Y	-167.717
13	N1661	L	Y	-167.717
14	N1662	L	Y	-167.717
15	N1664	L	Y	-167.717
16	N1642	L	Y	-1903.72

Joint Loads and Enforced Displacements (BLC 2 : Wind Load Z)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1665	L	Z	2825.326
2	N1739	L	Z	5481.782
3	N1740	L	Z	3865.781
4	N1261	L	Z	3691.442
5	N1741	L	Z	4846.407
6	N1742	L	Z	4680.396
7	N1743	L	Z	4462.848
8	N1744	L	Z	4342.58

Joint Loads and Enforced Displacements (BLC 3 : Wind Load X)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1665	L	X	2825.326
2	N1739	L	X	5481.782
3	N1740	L	X	3865.781
4	N1261	L	X	3691.442
5	N1741	L	X	4846.407
6	N1742	L	X	4680.396
7	N1743	L	X	4462.848
8	N1744	L	X	4342.58

Joint Loads and Enforced Displacements (BLC 4 : Partial Z Wind Load 1)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1745	L	Z	2118.994
2	N1746	L	Z	4111.336
3	N1747	L	Z	2899.335
4	N1748	L	Z	2768.581
5	N1749	L	Z	3634.805
6	N1750	L	Z	3510.297
7	N1751	L	Z	3347.136
8	N1752	L	Z	3256.935

Joint Loads and Enforced Displacements (BLC 5 : Partial Z Wind Load 2)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1753	L	Z	2118.994
2	N1754	L	Z	4111.336
3	N1755	L	Z	2899.335
4	N1756	L	Z	2768.581
5	N1757	L	Z	3634.805
6	N1758	L	Z	3510.297
7	N1759	L	Z	3347.136
8	N1760	L	Z	3256.935

Joint Loads and Enforced Displacements (BLC 6 : Partial X Wind Load 1)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1761	L	X	2118.994
2	N1762	L	X	4111.336
3	N1763	L	X	2899.335
4	N1764	L	X	2768.581
5	N1765	L	X	3634.805
6	N1766	L	X	3510.297

Joint Loads and Enforced Displacements (BLC 6 : Partial X Wind Load 1) (Continued)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
7	N1767	L	X	3347.136
8	N1768	L	X	3256.935

Joint Loads and Enforced Displacements (BLC 7 : Partial X Wind Load 2)

	Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/ft, lb*s^2*ft)]
1	N1769	L	X	2118.994
2	N1770	L	X	4111.336
3	N1771	L	X	2899.335
4	N1772	L	X	2768.581
5	N1773	L	X	3634.805
6	N1774	L	X	3510.297
7	N1775	L	X	3347.136
8	N1776	L	X	3256.935

Envelope Joint Displacements

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1	N1	max	0	2	0	1	0	3	0	3	0	1	0	3
2		min	0	1	0	3	0	1	0	1	0	2	0	2
3	N2	max	0	2	0	1	0	3	0	3	0	3	0	1
4		min	0	3	0	3	0	1	0	1	0	2	0	3
5	N3	max	0	2	0	1	0	3	0	3	0	3	0	1
6		min	0	3	0	3	0	1	0	1	0	2	0	3
7	N4	max	0	2	0	1	0	3	0	3	0	3	0	1
8		min	0	3	0	3	0	1	0	1	0	2	0	3
9	N5	max	0	2	0	1	0	3	0	3	0	3	0	1
10		min	0	3	0	3	0	1	0	1	0	2	0	3
11	N6	max	0	2	0	1	0	3	0	3	0	3	0	1
12		min	0	3	0	3	0	1	0	1	0	2	0	3
13	N7	max	0	2	0	1	0	3	0	3	0	3	0	1
14		min	0	3	0	3	0	1	0	1	0	2	0	3
15	N8	max	0	2	0	1	0	3	0	3	0	3	0	1
16		min	0	3	0	3	0	1	0	1	0	2	0	3
17	N9	max	0	2	0	1	0	3	0	3	0	3	0	1
18		min	0	3	0	3	0	1	0	1	0	2	0	3
19	N10	max	0	2	0	1	0	3	0	3	0	3	0	1
20		min	0	3	0	2	0	1	0	1	0	1	0	2
21	N11	max	0	2	0	1	0	3	0	2	0	3	0	1
22		min	0	3	0	2	0	1	0	1	0	1	0	2
23	N12	max	0	2	0	1	0	3	0	2	0	3	0	1
24		min	0	3	0	2	0	1	0	1	0	1	0	2
25	N13	max	0	2	0	1	0	3	0	2	0	3	0	1
26		min	0	3	0	2	0	1	0	1	0	1	0	2
27	N14	max	0	2	0	1	0	3	0	2	0	3	0	1
28		min	0	3	0	2	0	1	0	1	0	1	0	2
29	N15	max	0	2	0	1	0	3	0	2	0	3	0	1
30		min	0	3	0	2	0	1	0	1	0	1	0	2
31	N16	max	0	2	0	1	0	3	0	2	0	3	0	1
32		min	0	3	0	2	0	1	0	1	0	1	0	2
33	N17	max	0	2	0	1	0	3	0	2	0	3	0	1
34		min	0	3	0	2	0	1	0	1	0	1	0	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
35	N18	max	0	2	0	1	0	3	0	2	0	3	0	1
36		min	0	3	0	2	0	1	0	1	0	1	0	2
37	N19	max	0	2	0	3	0	3	0	3	0	3	0	3
38		min	0	3	0	2	0	1	0	1	0	1	0	2
39	N20	max	0	2	0	3	0	3	0	3	0	3	0	3
40		min	0	1	0	2	0	1	0	2	0	1	0	2
41	N21	max	0	2	0	3	0	3	0	3	0	3	0	3
42		min	0	1	0	2	0	1	0	2	0	1	0	2
43	N22	max	0	2	0	3	0	3	0	3	0	3	0	3
44		min	0	1	0	2	0	1	0	2	0	1	0	2
45	N23	max	0	2	0	3	0	3	0	3	0	3	0	3
46		min	0	1	0	2	0	1	0	2	0	1	0	2
47	N24	max	0	2	0	3	0	3	0	3	0	3	0	3
48		min	0	1	0	2	0	1	0	2	0	1	0	2
49	N25	max	0	2	0	3	0	3	0	3	0	3	0	3
50		min	0	1	0	2	0	1	0	2	0	1	0	2
51	N26	max	0	2	0	3	0	3	0	3	0	3	0	3
52		min	0	1	0	2	0	1	0	2	0	1	0	2
53	N27	max	0	2	0	3	0	3	0	3	0	3	0	3
54		min	0	1	0	2	0	1	0	1	0	1	0	2
55	N28	max	0	2	0	3	0	3	0	3	0	3	0	3
56		min	0	1	0	2	0	1	0	1	0	1	0	1
57	N29	max	0	2	0	3	0	3	0	3	0	2	0	3
58		min	0	1	0	1	0	1	0	1	0	1	0	1
59	N30	max	0	2	0	3	0	3	0	3	0	2	0	3
60		min	0	1	0	1	0	1	0	1	0	1	0	1
61	N31	max	0	2	0	3	0	3	0	3	0	2	0	3
62		min	0	1	0	1	0	1	0	1	0	1	0	1
63	N32	max	0	2	0	3	0	3	0	3	0	2	0	3
64		min	0	1	0	1	0	1	0	1	0	1	0	1
65	N33	max	0	2	0	3	0	3	0	3	0	2	0	3
66		min	0	1	0	1	0	1	0	1	0	1	0	1
67	N34	max	0	2	0	3	0	3	0	3	0	2	0	3
68		min	0	1	0	1	0	1	0	1	0	1	0	1
69	N35	max	0	2	0	3	0	3	0	3	0	2	0	3
70		min	0	1	0	1	0	1	0	1	0	1	0	1
71	N36	max	0	2	0	3	0	3	0	3	0	2	0	3
72		min	0	1	0	1	0	1	0	1	0	1	0	1
73	N37	max	0	2	0	3	0	3	0	3	0	2	0	3
74		min	0	1	0	1	0	1	0	1	0	1	0	2
75	N38	max	0	2	0	3	0	3	0	3	0	2	0	1
76		min	0	3	0	1	0	1	0	1	0	3	0	3
77	N39	max	0	2	0	3	0	3	0	3	0	2	0	1
78		min	0	3	0	1	0	1	0	1	0	3	0	3
79	N40	max	0	2	0	3	0	3	0	3	0	2	0	1
80		min	0	3	0	1	0	1	0	1	0	3	0	3
81	N41	max	0	2	0	3	0	3	0	3	0	2	0	1
82		min	0	3	0	1	0	1	0	1	0	3	0	3
83	N42	max	0	2	0	3	0	3	0	3	0	2	0	1
84		min	0	3	0	1	0	1	0	1	0	3	0	3
85	N43	max	0	2	0	3	0	3	0	3	0	2	0	1
86		min	0	3	0	1	0	1	0	1	0	3	0	3

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
87	N44	max	0	2	0	3	0	3	0	3	0	2	0	1
88		min	0	3	0	1	0	1	0	1	0	3	0	3
89	N45	max	0	2	0	3	0	3	0	3	0	2	0	1
90		min	0	3	0	1	0	1	0	1	0	3	0	3
91	N46	max	0	2	0	2	0	3	0	3	0	1	0	1
92		min	0	3	0	1	0	1	0	1	0	3	0	2
93	N47	max	0	2	0	2	0	3	0	2	0	1	0	1
94		min	0	3	0	1	0	1	0	1	0	3	0	2
95	N48	max	0	2	0	2	0	3	0	2	0	1	0	1
96		min	0	3	0	1	0	1	0	1	0	3	0	2
97	N49	max	0	2	0	2	0	3	0	2	0	1	0	1
98		min	0	3	0	1	0	1	0	1	0	3	0	2
99	N50	max	0	2	0	2	0	3	0	2	0	1	0	1
100		min	0	3	0	1	0	1	0	1	0	3	0	2
101	N51	max	0	2	0	2	0	3	0	2	0	1	0	1
102		min	0	3	0	1	0	1	0	1	0	3	0	2
103	N52	max	0	2	0	2	0	3	0	2	0	1	0	1
104		min	0	3	0	1	0	1	0	1	0	3	0	2
105	N53	max	0	2	0	2	0	3	0	2	0	1	0	1
106		min	0	3	0	1	0	1	0	1	0	3	0	2
107	N54	max	0	2	0	2	0	3	0	2	0	1	0	1
108		min	0	3	0	1	0	1	0	1	0	3	0	2
109	N55	max	0	2	0	2	0	3	0	3	0	1	0	1
110		min	0	1	0	1	0	1	0	1	0	3	0	2
111	N56	max	0	2	0	2	0	3	0	3	0	1	0	3
112		min	0	1	0	3	0	1	0	2	0	3	0	2
113	N57	max	0	2	0	2	0	3	0	3	0	1	0	3
114		min	0	1	0	3	0	1	0	2	0	3	0	2
115	N58	max	0	2	0	2	0	3	0	3	0	1	0	3
116		min	0	1	0	3	0	1	0	2	0	3	0	2
117	N59	max	0	2	0	2	0	3	0	3	0	1	0	3
118		min	0	1	0	3	0	1	0	2	0	3	0	2
119	N60	max	0	2	0	2	0	3	0	3	0	1	0	3
120		min	0	1	0	3	0	1	0	2	0	3	0	2
121	N61	max	0	2	0	2	0	3	0	3	0	1	0	3
122		min	0	1	0	3	0	1	0	2	0	3	0	2
123	N62	max	0	2	0	2	0	3	0	3	0	1	0	3
124		min	0	1	0	3	0	1	0	2	0	3	0	2
125	N63	max	0	2	0	2	0	3	0	3	0	1	0	3
126		min	0	1	0	3	0	1	0	1	0	3	0	2
127	N64	max	0	2	0	2	0	3	0	3	0	1	0	3
128		min	0	1	0	3	0	1	0	1	0	2	0	1
129	N65	max	0	2	0	1	0	3	0	3	0	1	0	3
130		min	0	1	0	3	0	1	0	1	0	2	0	1
131	N66	max	0	2	0	1	0	3	0	3	0	1	0	3
132		min	0	1	0	3	0	1	0	1	0	2	0	1
133	N67	max	0	2	0	1	0	3	0	3	0	1	0	3
134		min	0	1	0	3	0	1	0	1	0	2	0	1
135	N68	max	0	2	0	1	0	3	0	3	0	1	0	3
136		min	0	1	0	3	0	1	0	1	0	2	0	1
137	N69	max	0	2	0	1	0	3	0	3	0	1	0	3
138		min	0	1	0	3	0	1	0	1	0	2	0	1

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
139	N70	max	0	2	0	1	0	3	0	3	0	1	0	3
140		min	0	1	0	3	0	1	0	1	0	2	0	1
141	N71	max	0	2	0	1	0	3	0	3	0	1	0	3
142		min	0	1	0	3	0	1	0	1	0	2	0	1
143	N72	max	0	2	0	1	0	3	0	3	0	1	0	3
144		min	0	1	0	3	0	1	0	1	0	2	0	1
145	N73	max	0	2	.007	1	-.006	3	-1.68e-4	3	0	3	-2.999e-8	3
146		min	0	3	.005	3	-.008	1	-2.28e-4	1	-8.98e-7	2	-2.717e-5	2
147	N74	max	0	2	.007	1	-.006	3	-1.679e-4	3	-2.692e-7	3	3.124e-7	1
148		min	0	1	.005	3	-.008	1	-2.28e-4	1	-1.238e-6	2	-2.687e-5	2
149	N75	max	0	2	.007	1	-.006	3	-1.679e-4	3	-5.348e-7	3	5.2e-7	1
150		min	0	1	.005	3	-.008	1	-2.279e-4	1	-1.57e-6	2	-2.67e-5	2
151	N76	max	0	2	.007	1	-.006	3	-1.678e-4	3	-7.971e-7	3	7.519e-7	1
152		min	0	1	.005	3	-.008	1	-2.278e-4	1	-1.891e-6	2	-2.651e-5	2
153	N77	max	0	2	.007	1	-.006	3	-1.677e-4	3	-1.053e-6	3	9.5e-7	1
154		min	0	1	.005	3	-.008	1	-2.276e-4	1	-2.199e-6	2	-2.635e-5	2
155	N78	max	0	2	.007	1	-.006	3	-1.676e-4	3	-1.3e-6	3	1.052e-6	1
156		min	0	1	.005	3	-.007	1	-2.275e-4	1	-2.488e-6	2	-2.626e-5	2
157	N79	max	0	2	.006	1	-.005	3	-1.674e-4	3	-1.536e-6	3	1.323e-6	1
158		min	0	1	.005	3	-.007	1	-2.272e-4	1	-2.757e-6	2	-2.608e-5	2
159	N80	max	0	2	.006	1	-.005	3	-1.672e-4	3	-1.76e-6	3	1.547e-6	1
160		min	0	1	.004	3	-.007	1	-2.269e-4	1	-3.005e-6	2	-2.594e-5	2
161	N81	max	0	2	.006	1	-.005	3	-1.67e-4	3	-1.971e-6	3	1.536e-6	1
162		min	0	1	.004	3	-.007	1	-2.267e-4	1	-3.23e-6	2	-2.596e-5	2
163	N82	max	0	2	.005	1	-.005	3	-1.668e-4	3	-2.168e-6	3	1.536e-6	1
164		min	0	1	.004	2	-.007	1	-2.264e-4	1	-3.432e-6	2	-2.599e-5	2
165	N83	max	0	2	.005	1	-.005	3	-1.666e-4	3	-2.349e-6	3	1.507e-6	1
166		min	0	1	.003	2	-.007	1	-2.261e-4	1	-3.608e-6	2	-2.604e-5	2
167	N84	max	0	2	.004	1	-.005	3	-1.664e-4	3	-2.512e-6	3	1.424e-6	1
168		min	0	1	.003	2	-.007	1	-2.259e-4	1	-3.785e-6	1	-2.612e-5	2
169	N85	max	0	2	.004	1	-.005	3	-1.662e-4	3	-2.655e-6	3	1.337e-6	1
170		min	0	1	.002	2	-.007	1	-2.256e-4	1	-3.999e-6	1	-2.625e-5	2
171	N86	max	0	2	.003	1	-.005	3	-1.66e-4	3	-2.777e-6	3	1.186e-6	1
172		min	0	1	.002	2	-.007	1	-2.253e-4	1	-4.183e-6	1	-2.642e-5	2
173	N87	max	0	2	.003	1	-.005	3	-1.659e-4	3	-2.878e-6	3	1.025e-6	1
174		min	0	1	.001	2	-.007	1	-2.251e-4	1	-4.336e-6	1	-2.659e-5	2
175	N88	max	0	2	.002	1	-.005	3	-1.657e-4	3	-2.957e-6	3	7.171e-7	1
176		min	0	1	0	2	-.007	1	-2.251e-4	1	-4.456e-6	1	-2.683e-5	2
177	N89	max	0	2	.001	1	-.005	3	-1.656e-4	3	-3.014e-6	3	5.006e-7	1
178		min	0	1	0	2	-.007	1	-2.249e-4	1	-4.543e-6	1	-2.704e-5	2
179	N90	max	0	2	0	1	-.005	3	-1.656e-4	3	-3.048e-6	3	2.37e-7	1
180		min	0	1	0	2	-.007	1	-2.248e-4	1	-4.594e-6	1	-2.727e-5	2
181	N91	max	0	2	0	3	-.005	3	-1.656e-4	3	-3.061e-6	3	-3.469e-8	3
182		min	0	3	-.001	2	-.007	1	-2.247e-4	1	-4.613e-6	1	-2.751e-5	2
183	N92	max	0	2	0	3	-.005	3	-1.656e-4	3	-3.051e-6	3	-2.404e-7	3
184		min	0	3	-.002	2	-.007	1	-2.248e-4	1	-4.598e-6	1	-2.775e-5	2
185	N93	max	0	2	0	3	-.005	3	-1.657e-4	3	-3.017e-6	3	-4.408e-7	3
186		min	0	3	-.002	2	-.007	1	-2.249e-4	1	-4.547e-6	1	-2.797e-5	2
187	N94	max	.001	2	-.001	3	-.005	3	-1.66e-4	3	-2.957e-6	3	-5.788e-7	3
188		min	0	3	-.003	2	-.007	1	-2.254e-4	1	-4.457e-6	1	-2.808e-5	2
189	N95	max	.001	2	-.002	3	-.005	3	-1.657e-4	3	-2.873e-6	3	-8.743e-7	3
190		min	0	3	-.003	2	-.007	1	-2.249e-4	1	-4.33e-6	1	-2.849e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
191	N96	max	.001	2	-.002	3	-.005	3	-1.659e-4	3	-2.768e-6	3	-9.754e-7	3
192		min	0	3	-.004	2	-.007	1	-2.252e-4	1	-4.172e-6	1	-2.857e-5	2
193	N97	max	.001	2	-.003	3	-.005	3	-1.662e-4	3	-2.645e-6	3	-1.076e-6	3
194		min	0	3	-.004	2	-.007	1	-2.255e-4	1	-3.987e-6	1	-2.863e-5	2
195	N98	max	.001	2	-.003	3	-.005	3	-1.664e-4	3	-2.503e-6	3	-1.122e-6	3
196		min	0	3	-.005	2	-.007	1	-2.259e-4	1	-3.774e-6	1	-2.861e-5	2
197	N99	max	.001	2	-.003	3	-.005	3	-1.666e-4	3	-2.342e-6	3	-1.203e-6	3
198		min	0	3	-.005	2	-.007	1	-2.261e-4	1	-3.532e-6	1	-2.869e-5	2
199	N100	max	.001	2	-.004	3	-.005	3	-1.668e-4	3	-2.162e-6	3	-1.232e-6	3
200		min	0	3	-.005	2	-.007	1	-2.264e-4	1	-3.26e-6	1	-2.871e-5	2
201	N101	max	.001	2	-.004	3	-.005	3	-1.67e-4	3	-1.854e-6	2	-1.209e-6	3
202		min	0	3	-.006	1	-.007	1	-2.267e-4	1	-2.962e-6	1	-2.867e-5	2
203	N102	max	.001	2	-.004	3	-.005	3	-1.672e-4	3	-1.531e-6	2	-1.122e-6	3
204		min	0	3	-.006	1	-.007	1	-2.269e-4	1	-2.641e-6	1	-2.86e-5	2
205	N103	max	.001	2	-.005	3	-.006	3	-1.674e-4	3	-1.198e-6	2	-1.073e-6	3
206		min	0	3	-.006	1	-.007	1	-2.272e-4	1	-2.301e-6	1	-2.844e-5	2
207	N104	max	0	2	-.005	3	-.006	3	-1.675e-4	3	-8.547e-7	2	-9.93e-7	3
208		min	0	3	-.007	1	-.007	1	-2.274e-4	1	-1.942e-6	1	-2.824e-5	2
209	N105	max	0	2	-.005	3	-.006	3	-1.677e-4	3	-5.049e-7	2	-8.048e-7	3
210		min	0	3	-.007	1	-.008	1	-2.276e-4	1	-1.569e-6	1	-2.808e-5	2
211	N106	max	0	2	-.005	3	-.006	3	-1.678e-4	3	-1.512e-7	2	-6.263e-7	3
212		min	0	3	-.007	1	-.008	1	-2.278e-4	1	-1.184e-6	1	-2.788e-5	2
213	N107	max	0	2	-.005	3	-.006	3	-1.679e-4	3	2.023e-7	2	-4.539e-7	3
214		min	0	3	-.007	1	-.008	1	-2.279e-4	1	-7.918e-7	1	-2.768e-5	2
215	N108	max	0	2	-.005	3	-.006	3	-1.679e-4	3	5.519e-7	2	-3.005e-7	3
216		min	0	3	-.007	1	-.008	1	-2.279e-4	1	-3.956e-7	1	-2.752e-5	2
217	N109	max	0	2	-.005	3	-.006	3	-1.68e-4	3	8.96e-7	2	-1.25e-8	1
218		min	0	3	-.007	1	-.008	1	-2.28e-4	1	0	1	-2.713e-5	2
219	N110	max	0	2	-.005	3	-.006	3	-1.679e-4	3	1.235e-6	2	3.654e-7	1
220		min	0	1	-.007	1	-.008	1	-2.279e-4	1	2.694e-7	3	-2.681e-5	2
221	N111	max	0	2	-.005	3	-.006	3	-1.679e-4	3	1.57e-6	2	7.813e-7	1
222		min	0	1	-.007	1	-.008	1	-2.278e-4	1	5.358e-7	3	-2.642e-5	2
223	N112	max	0	2	-.005	3	-.006	3	-1.679e-4	3	1.895e-6	2	4.068e-7	1
224		min	0	1	-.007	1	-.008	1	-2.279e-4	1	7.991e-7	3	-2.687e-5	2
225	N113	max	0	2	-.005	3	-.006	3	-1.677e-4	3	2.203e-6	2	9.629e-7	1
226		min	0	1	-.007	1	-.008	1	-2.276e-4	1	1.055e-6	3	-2.634e-5	2
227	N114	max	0	2	-.005	3	-.006	3	-1.675e-4	3	2.489e-6	2	1.126e-6	1
228		min	0	1	-.007	1	-.007	1	-2.274e-4	1	1.301e-6	3	-2.619e-5	2
229	N115	max	0	2	-.005	3	-.006	3	-1.674e-4	3	2.756e-6	2	1.359e-6	1
230		min	0	1	-.006	1	-.007	1	-2.272e-4	1	1.536e-6	3	-2.603e-5	2
231	N116	max	0	2	-.004	3	-.005	3	-1.672e-4	3	3.003e-6	2	1.525e-6	1
232		min	0	1	-.006	1	-.007	1	-2.269e-4	1	1.759e-6	3	-2.594e-5	2
233	N117	max	0	2	-.004	3	-.005	3	-1.67e-4	3	3.23e-6	2	1.541e-6	1
234		min	0	1	-.006	1	-.007	1	-2.266e-4	1	1.97e-6	3	-2.595e-5	2
235	N118	max	0	2	-.004	2	-.005	3	-1.668e-4	3	3.431e-6	2	1.563e-6	1
236		min	0	1	-.005	1	-.007	1	-2.264e-4	1	2.168e-6	3	-2.608e-5	2
237	N119	max	0	2	-.003	2	-.005	3	-1.666e-4	3	3.607e-6	2	1.503e-6	1
238		min	0	1	-.005	1	-.007	1	-2.261e-4	1	2.349e-6	3	-2.598e-5	2
239	N120	max	0	2	-.003	2	-.005	3	-1.664e-4	3	3.784e-6	1	1.425e-6	1
240		min	0	1	-.004	1	-.007	1	-2.259e-4	1	2.511e-6	3	-2.611e-5	2
241	N121	max	0	2	-.002	2	-.005	3	-1.662e-4	3	4.e-6	1	1.326e-6	1
242		min	0	1	-.004	1	-.007	1	-2.256e-4	1	2.654e-6	3	-2.625e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
243	N122	max	0	2	-.002	2	-.005	3	-1.66e-4	3	4.184e-6	1	1.183e-6	1
244		min	0	1	-.003	1	-.007	1	-2.253e-4	1	2.777e-6	3	-2.642e-5	2
245	N123	max	0	2	-.001	2	-.005	3	-1.659e-4	3	4.337e-6	1	9.76e-7	1
246		min	0	1	-.003	1	-.007	1	-2.252e-4	1	2.878e-6	3	-2.661e-5	2
247	N124	max	0	2	0	2	-.005	3	-1.657e-4	3	4.456e-6	1	7.454e-7	1
248		min	0	1	-.002	1	-.007	1	-2.25e-4	1	2.958e-6	3	-2.683e-5	2
249	N125	max	0	2	0	2	-.005	3	-1.657e-4	3	4.543e-6	1	4.946e-7	1
250		min	0	1	-.001	1	-.007	1	-2.249e-4	1	3.015e-6	3	-2.705e-5	2
251	N126	max	0	2	0	2	-.005	3	-1.656e-4	3	4.595e-6	1	2.294e-7	1
252		min	0	1	0	1	-.007	1	-2.248e-4	1	3.049e-6	3	-2.728e-5	2
253	N127	max	0	2	.001	2	-.005	3	-1.656e-4	3	4.613e-6	1	-4.136e-8	3
254		min	0	3	0	1	-.007	1	-2.248e-4	1	3.061e-6	3	-2.752e-5	2
255	N128	max	0	2	.002	2	-.005	3	-1.656e-4	3	4.596e-6	1	-2.469e-7	3
256		min	0	3	0	3	-.007	1	-2.248e-4	1	3.05e-6	3	-2.775e-5	2
257	N129	max	0	2	.002	2	-.005	3	-1.657e-4	3	4.543e-6	1	-4.494e-7	3
258		min	0	3	0	3	-.007	1	-2.249e-4	1	3.015e-6	3	-2.799e-5	2
259	N130	max	.001	2	.003	2	-.005	3	-1.657e-4	3	4.454e-6	1	-6.379e-7	3
260		min	0	3	.001	3	-.007	1	-2.25e-4	1	2.956e-6	3	-2.819e-5	2
261	N131	max	.001	2	.003	2	-.005	3	-1.659e-4	3	4.332e-6	1	-8.087e-7	3
262		min	0	3	.002	3	-.007	1	-2.252e-4	1	2.874e-6	3	-2.838e-5	2
263	N132	max	.001	2	.004	2	-.005	3	-1.66e-4	3	4.177e-6	1	-9.61e-7	3
264		min	0	3	.002	3	-.007	1	-2.253e-4	1	2.771e-6	3	-2.854e-5	2
265	N133	max	.001	2	.004	2	-.005	3	-1.662e-4	3	3.991e-6	1	-1.079e-6	3
266		min	0	3	.003	3	-.007	1	-2.256e-4	1	2.647e-6	3	-2.862e-5	2
267	N134	max	.001	2	.005	2	-.005	3	-1.664e-4	3	3.775e-6	1	-1.157e-6	3
268		min	0	3	.003	3	-.007	1	-2.259e-4	1	2.503e-6	3	-2.865e-5	2
269	N135	max	.001	2	.005	2	-.005	3	-1.665e-4	3	3.531e-6	1	-1.266e-6	3
270		min	0	3	.003	3	-.007	1	-2.26e-4	1	2.342e-6	3	-2.87e-5	2
271	N136	max	.001	2	.005	2	-.005	3	-1.669e-4	3	3.259e-6	1	-1.13e-6	3
272		min	0	3	.004	3	-.007	1	-2.265e-4	1	2.16e-6	2	-2.873e-5	2
273	N137	max	.001	2	.006	1	-.005	3	-1.67e-4	3	2.961e-6	1	-1.219e-6	3
274		min	0	3	.004	3	-.007	1	-2.267e-4	1	1.851e-6	2	-2.867e-5	2
275	N138	max	.001	2	.006	1	-.005	3	-1.672e-4	3	2.64e-6	1	-1.192e-6	3
276		min	0	3	.004	3	-.007	1	-2.269e-4	1	1.53e-6	2	-2.864e-5	2
277	N139	max	.001	2	.006	1	-.005	3	-1.674e-4	3	2.301e-6	1	-1.071e-6	3
278		min	0	3	.005	3	-.007	1	-2.272e-4	1	1.198e-6	2	-2.843e-5	2
279	N140	max	0	2	.007	1	-.006	3	-1.676e-4	3	1.944e-6	1	-9.125e-7	3
280		min	0	3	.005	3	-.007	1	-2.274e-4	1	8.567e-7	2	-2.819e-5	2
281	N141	max	0	2	.007	1	-.006	3	-1.677e-4	3	1.572e-6	1	-7.938e-7	3
282		min	0	3	.005	3	-.008	1	-2.276e-4	1	5.072e-7	2	-2.806e-5	2
283	N142	max	0	2	.007	1	-.006	3	-1.678e-4	3	1.185e-6	1	-6.935e-7	3
284		min	0	3	.005	3	-.008	1	-2.278e-4	1	1.523e-7	2	-2.787e-5	2
285	N143	max	0	2	.007	1	-.006	3	-1.679e-4	3	7.901e-7	1	-4.158e-7	3
286		min	0	3	.005	3	-.008	1	-2.279e-4	1	-2.033e-7	2	-2.768e-5	2
287	N144	max	0	2	.007	1	-.006	3	-1.679e-4	3	3.911e-7	1	-2.57e-7	3
288		min	0	3	.005	3	-.008	1	-2.28e-4	1	-5.554e-7	2	-2.747e-5	2
289	N145	max	.002	2	.014	1	-.014	3	-1.368e-4	3	0	3	-7.78e-8	1
290		min	0	3	.01	3	-.019	1	-1.913e-4	1	0	1	-2.728e-5	2
291	N146	max	.002	2	.014	1	-.014	3	-1.368e-4	3	0	3	-1.831e-7	3
292		min	0	3	.01	3	-.019	1	-1.913e-4	1	0	1	-2.747e-5	2
293	N147	max	.002	2	.013	1	-.014	3	-1.368e-4	3	0	3	-1.759e-7	3
294		min	0	3	.009	3	-.019	1	-1.913e-4	1	0	1	-2.741e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
295	N148	max	.002	2	.013	1	-.014	3	-1.368e-4	3	0	3	-2.055e-7	3
296		min	0	3	.009	3	-.019	1	-1.913e-4	1	0	1	-2.741e-5	2
297	N149	max	.002	2	.013	1	-.014	3	-1.369e-4	3	0	3	-2.234e-7	3
298		min	0	3	.009	3	-.019	1	-1.914e-4	1	0	1	-2.742e-5	2
299	N150	max	.002	2	.012	1	-.014	3	-1.368e-4	3	0	3	-6.487e-8	1
300		min	0	3	.009	3	-.019	1	-1.913e-4	1	0	1	-2.733e-5	2
301	N151	max	.002	2	.012	1	-.014	3	-1.369e-4	3	0	3	-3.047e-7	3
302		min	0	3	.008	3	-.019	1	-1.915e-4	1	0	1	-2.751e-5	2
303	N152	max	.002	2	.011	1	-.014	3	-1.371e-4	3	0	3	-4.259e-7	3
304		min	0	3	.008	3	-.019	1	-1.917e-4	1	0	1	-2.767e-5	2
305	N153	max	.002	2	.01	1	-.014	3	-1.37e-4	3	0	3	-3.61e-7	3
306		min	0	3	.007	3	-.019	1	-1.916e-4	1	0	1	-2.757e-5	2
307	N154	max	.002	2	.01	1	-.014	3	-1.371e-4	3	0	3	-3.459e-7	3
308		min	0	3	.007	2	-.019	1	-1.916e-4	1	0	1	-2.754e-5	2
309	N155	max	.002	2	.009	1	-.014	3	-1.371e-4	3	0	3	-3.433e-7	3
310		min	0	3	.006	2	-.019	1	-1.916e-4	1	0	1	-2.755e-5	2
311	N156	max	.002	2	.008	1	-.014	3	-1.372e-4	3	0	3	-3.212e-7	1
312		min	0	3	.005	2	-.019	1	-1.917e-4	1	0	1	-2.755e-5	2
313	N157	max	.002	2	.007	1	-.014	3	-1.372e-4	3	0	3	-3.148e-7	3
314		min	0	3	.004	2	-.019	1	-1.918e-4	1	0	1	-2.753e-5	2
315	N158	max	.002	2	.006	1	-.014	3	-1.372e-4	3	0	3	-2.739e-7	3
316		min	0	3	.003	2	-.019	1	-1.919e-4	1	0	1	-2.748e-5	2
317	N159	max	.002	2	.005	1	-.014	3	-1.373e-4	3	0	3	-2.622e-7	3
318		min	0	3	.002	2	-.019	1	-1.921e-4	1	0	1	-2.749e-5	2
319	N160	max	.002	2	.003	1	-.014	3	-1.373e-4	3	0	3	-1.687e-7	1
320		min	0	3	0	2	-.019	1	-1.916e-4	1	0	1	-2.741e-5	2
321	N161	max	.002	2	.002	1	-.014	3	-1.374e-4	3	0	3	-1.767e-7	3
322		min	0	3	0	2	-.019	1	-1.92e-4	1	0	1	-2.74e-5	2
323	N162	max	.002	2	.001	1	-.014	3	-1.374e-4	3	0	3	-1.356e-7	3
324		min	0	3	-.001	2	-.019	1	-1.921e-4	1	0	1	-2.737e-5	2
325	N163	max	.002	2	0	3	-.014	3	-1.374e-4	3	0	3	-8.688e-8	3
326		min	0	3	-.002	2	-.019	1	-1.921e-4	1	0	1	-2.732e-5	2
327	N164	max	.002	2	0	3	-.014	3	-1.374e-4	3	0	3	-4.058e-8	3
328		min	0	3	-.003	2	-.019	1	-1.92e-4	1	0	1	-2.728e-5	2
329	N165	max	.002	2	-.002	3	-.014	3	-1.373e-4	3	0	3	0	3
330		min	0	3	-.004	2	-.019	1	-1.919e-4	1	0	1	-2.723e-5	2
331	N166	max	.002	2	-.003	3	-.014	3	-1.368e-4	3	0	3	-6.035e-8	3
332		min	0	3	-.005	2	-.019	1	-1.91e-4	1	0	1	-2.739e-5	2
333	N167	max	.002	2	-.003	3	-.014	3	-1.377e-4	3	0	3	3.829e-7	1
334		min	0	3	-.006	2	-.019	1	-1.925e-4	1	0	1	-2.683e-5	2
335	N168	max	.002	2	-.004	3	-.014	3	-1.374e-4	3	0	3	2.494e-7	1
336		min	0	3	-.007	2	-.019	1	-1.921e-4	1	0	1	-2.697e-5	2
337	N169	max	.002	2	-.005	3	-.014	3	-1.373e-4	3	0	3	2.004e-7	1
338		min	0	3	-.008	2	-.019	1	-1.919e-4	1	0	1	-2.705e-5	2
339	N170	max	.002	2	-.006	3	-.014	3	-1.371e-4	3	0	3	1.039e-7	3
340		min	0	3	-.008	2	-.019	1	-1.916e-4	1	0	1	-2.722e-5	2
341	N171	max	.002	2	-.006	3	-.014	3	-1.371e-4	3	0	3	1.777e-7	3
342		min	0	3	-.009	2	-.019	1	-1.916e-4	1	0	1	-2.709e-5	2
343	N172	max	.002	2	-.007	3	-.014	3	-1.371e-4	3	0	3	2.135e-7	1
344		min	0	3	-.01	2	-.019	1	-1.916e-4	1	0	1	-2.704e-5	2
345	N173	max	.002	2	-.007	3	-.014	3	-1.37e-4	3	0	3	2.277e-7	1
346		min	0	3	-.01	1	-.019	1	-1.916e-4	1	0	1	-2.701e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
347	N174	max	.002	2	-.008	3	-.014	3	-1.369e-4	3	0	3	2.212e-7	1
348		min	0	3	-.011	1	-.019	1	-1.915e-4	1	0	1	-2.697e-5	2
349	N175	max	.002	2	-.008	3	-.014	3	-1.369e-4	3	0	3	1.832e-7	1
350		min	0	3	-.012	1	-.019	1	-1.915e-4	1	0	1	-2.706e-5	2
351	N176	max	.002	2	-.009	3	-.014	3	-1.369e-4	3	0	3	2.247e-7	3
352		min	0	3	-.012	1	-.019	1	-1.914e-4	1	0	1	-2.716e-5	2
353	N177	max	.002	2	-.009	3	-.014	3	-1.369e-4	3	0	3	9.831e-8	3
354		min	0	3	-.013	1	-.019	1	-1.914e-4	1	0	1	-2.713e-5	2
355	N178	max	.002	2	-.009	3	-.014	3	-1.368e-4	3	0	3	6.954e-8	1
356		min	0	3	-.013	1	-.019	1	-1.914e-4	1	0	2	-2.713e-5	2
357	N179	max	.002	2	-.009	3	-.014	3	-1.368e-4	3	0	3	8.773e-8	1
358		min	0	3	-.013	1	-.019	1	-1.914e-4	1	0	2	-2.711e-5	2
359	N180	max	.002	2	-.01	3	-.014	3	-1.368e-4	3	0	3	2.291e-7	1
360		min	0	3	-.014	1	-.019	1	-1.914e-4	1	0	2	-2.699e-5	2
361	N181	max	.002	2	-.01	3	-.014	3	-1.368e-4	3	0	1	-1.177e-7	3
362		min	0	3	-.014	1	-.019	1	-1.913e-4	1	0	2	-2.736e-5	2
363	N182	max	.002	2	-.01	3	-.014	3	-1.368e-4	3	0	1	-2.504e-7	3
364		min	0	3	-.014	1	-.019	1	-1.914e-4	1	0	2	-2.761e-5	2
365	N183	max	.002	2	-.009	3	-.014	3	-1.369e-4	3	0	1	-4.784e-7	3
366		min	0	3	-.013	1	-.019	1	-1.914e-4	1	0	2	-2.801e-5	2
367	N184	max	.002	2	-.009	3	-.014	3	-1.367e-4	3	0	1	5.047e-7	1
368		min	0	3	-.013	1	-.019	1	-1.911e-4	1	0	2	-2.663e-5	2
369	N185	max	.002	2	-.009	3	-.014	3	-1.369e-4	3	0	1	-2.457e-7	3
370		min	0	3	-.013	1	-.019	1	-1.914e-4	1	0	3	-2.745e-5	2
371	N186	max	.002	2	-.009	3	-.014	3	-1.369e-4	3	0	1	-2.304e-7	1
372		min	0	3	-.012	1	-.019	1	-1.914e-4	1	0	3	-2.747e-5	2
373	N187	max	.002	2	-.008	3	-.014	3	-1.37e-4	3	0	1	-3.459e-7	3
374		min	0	3	-.012	1	-.019	1	-1.915e-4	1	0	3	-2.762e-5	2
375	N188	max	.002	2	-.008	3	-.014	3	-1.37e-4	3	0	1	-4.091e-7	3
376		min	0	3	-.011	1	-.019	1	-1.917e-4	1	0	3	-2.769e-5	2
377	N189	max	.002	2	-.007	3	-.014	3	-1.37e-4	3	0	1	-3.704e-7	3
378		min	0	3	-.01	1	-.019	1	-1.916e-4	1	0	3	-2.76e-5	2
379	N190	max	.002	2	-.007	2	-.014	3	-1.371e-4	3	0	1	-3.726e-7	3
380		min	0	3	-.01	1	-.019	1	-1.917e-4	1	0	3	-2.735e-5	2
381	N191	max	.002	2	-.006	2	-.014	3	-1.371e-4	3	0	1	-3.376e-7	3
382		min	0	3	-.009	1	-.019	1	-1.916e-4	1	0	3	-2.768e-5	2
383	N192	max	.002	2	-.005	2	-.014	3	-1.372e-4	3	0	1	-3.222e-7	3
384		min	0	3	-.008	1	-.019	1	-1.917e-4	1	0	3	-2.758e-5	2
385	N193	max	.002	2	-.004	2	-.014	3	-1.372e-4	3	0	1	-3.15e-7	3
386		min	0	3	-.007	1	-.019	1	-1.918e-4	1	0	3	-2.754e-5	2
387	N194	max	.002	2	-.003	2	-.014	3	-1.373e-4	3	0	1	-3.004e-7	3
388		min	0	3	-.006	1	-.019	1	-1.919e-4	1	0	3	-2.749e-5	2
389	N195	max	.002	2	-.002	2	-.014	3	-1.373e-4	3	0	1	-2.582e-7	3
390		min	0	3	-.005	1	-.019	1	-1.919e-4	1	0	3	-2.746e-5	2
391	N196	max	.002	2	-.001	2	-.014	3	-1.373e-4	3	0	1	-2.167e-7	3
392		min	0	3	-.004	1	-.019	1	-1.919e-4	1	0	3	-2.742e-5	2
393	N197	max	.002	2	0	2	-.014	3	-1.374e-4	3	0	1	-1.759e-7	3
394		min	0	3	-.002	1	-.019	1	-1.919e-4	1	0	3	-2.739e-5	2
395	N198	max	.002	2	.001	2	-.014	3	-1.374e-4	3	0	1	-1.359e-7	3
396		min	0	3	-.001	1	-.019	1	-1.92e-4	1	0	3	-2.737e-5	2
397	N199	max	.002	2	.002	2	-.014	3	-1.374e-4	3	0	1	-8.562e-8	3
398		min	0	3	0	1	-.019	1	-1.92e-4	1	0	3	-2.732e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
399	N200	max	.002	2	.003	2	-.014	3	-1.373e-4	3	0	1	-3.979e-8	3
400		min	0	3	0	3	-.019	1	-1.919e-4	1	0	3	-2.728e-5	2
401	N201	max	.002	2	.004	2	-.014	3	-1.373e-4	3	0	1	1.184e-8	3
402		min	0	3	.002	3	-.019	1	-1.919e-4	1	0	3	-2.721e-5	2
403	N202	max	.002	2	.005	2	-.014	3	-1.373e-4	3	0	1	6.168e-8	1
404		min	0	3	.002	3	-.019	1	-1.919e-4	1	0	3	-2.716e-5	2
405	N203	max	.002	2	.006	2	-.014	3	-1.373e-4	3	0	1	1.121e-7	1
406		min	0	3	.003	3	-.019	1	-1.919e-4	1	0	3	-2.711e-5	2
407	N204	max	.002	2	.007	2	-.014	3	-1.373e-4	3	0	1	1.782e-7	1
408		min	0	3	.004	3	-.019	1	-1.919e-4	1	0	3	-2.703e-5	2
409	N205	max	.002	2	.008	2	-.014	3	-1.372e-4	3	0	1	1.842e-7	1
410		min	0	3	.005	3	-.019	1	-1.918e-4	1	0	3	-2.708e-5	2
411	N206	max	.002	2	.008	2	-.014	3	-1.372e-4	3	0	1	1.725e-7	3
412		min	0	3	.005	3	-.019	1	-1.917e-4	1	0	3	-2.715e-5	2
413	N207	max	.002	2	.009	2	-.014	3	-1.373e-4	3	0	1	3.246e-7	1
414		min	0	3	.006	3	-.019	1	-1.918e-4	1	0	3	-2.709e-5	2
415	N208	max	.002	2	.01	2	-.014	3	-1.369e-4	3	0	1	-2.701e-8	1
416		min	0	3	.007	3	-.019	1	-1.914e-4	1	0	3	-2.699e-5	2
417	N209	max	.002	2	.01	1	-.014	3	-1.37e-4	3	0	1	2.468e-7	1
418		min	0	3	.007	3	-.019	1	-1.916e-4	1	0	3	-2.701e-5	2
419	N210	max	.002	2	.011	1	-.014	3	-1.37e-4	3	0	1	3.65e-7	1
420		min	0	3	.008	3	-.019	1	-1.916e-4	1	0	3	-2.69e-5	2
421	N211	max	.002	2	.012	1	-.014	3	-1.369e-4	3	0	1	1.996e-7	1
422		min	0	3	.008	3	-.019	1	-1.915e-4	1	0	3	-2.709e-5	2
423	N212	max	.002	2	.012	1	-.014	3	-1.369e-4	3	0	1	4.595e-8	3
424		min	0	3	.009	3	-.019	1	-1.914e-4	1	0	3	-2.729e-5	2
425	N213	max	.002	2	.013	1	-.014	3	-1.369e-4	3	0	1	7.404e-8	3
426		min	0	3	.009	3	-.019	1	-1.914e-4	1	0	3	-2.717e-5	2
427	N214	max	.002	2	.013	1	-.014	3	-1.369e-4	3	0	1	1.893e-7	3
428		min	0	3	.009	3	-.019	1	-1.913e-4	1	0	3	-2.717e-5	2
429	N215	max	.002	2	.013	1	-.014	3	-1.368e-4	3	0	1	2.055e-7	1
430		min	0	3	.009	3	-.019	1	-1.914e-4	1	0	3	-2.713e-5	2
431	N216	max	.002	2	.014	1	-.014	3	-1.368e-4	3	0	1	1.263e-7	1
432		min	0	3	.01	3	-.019	1	-1.913e-4	1	0	3	-2.712e-5	2
433	N217	max	.004	2	.019	1	-.024	3	-1.99e-4	3	0	3	-9.37e-8	3
434		min	0	3	.013	3	-.033	1	-2.792e-4	1	-1.123e-6	2	-4.014e-5	2
435	N218	max	.004	2	.018	1	-.024	3	-1.989e-4	3	-4.269e-7	3	4.792e-7	1
436		min	0	1	.013	3	-.033	1	-2.791e-4	1	-1.641e-6	2	-3.964e-5	2
437	N219	max	.004	2	.018	1	-.024	3	-1.989e-4	3	-8.538e-7	3	4.959e-7	1
438		min	0	1	.013	3	-.033	1	-2.791e-4	1	-2.151e-6	2	-3.963e-5	2
439	N220	max	.004	2	.018	1	-.024	3	-1.988e-4	3	-1.276e-6	3	6.48e-7	1
440		min	0	1	.012	3	-.033	1	-2.79e-4	1	-2.647e-6	2	-3.951e-5	2
441	N221	max	.004	2	.017	1	-.024	3	-1.987e-4	3	-1.689e-6	3	7.375e-7	1
442		min	0	1	.012	3	-.033	1	-2.789e-4	1	-3.125e-6	2	-3.941e-5	2
443	N222	max	.004	2	.017	1	-.024	3	-1.987e-4	3	-2.087e-6	3	5.452e-7	1
444		min	0	1	.012	3	-.033	1	-2.789e-4	1	-3.576e-6	2	-3.951e-5	2
445	N223	max	.004	2	.016	1	-.024	3	-1.984e-4	3	-2.467e-6	3	1.115e-6	1
446		min	0	1	.011	3	-.033	1	-2.784e-4	1	-3.998e-6	2	-3.915e-5	2
447	N224	max	.004	2	.015	1	-.024	3	-1.981e-4	3	-2.829e-6	3	1.625e-6	1
448		min	0	1	.011	3	-.033	1	-2.779e-4	1	-4.389e-6	2	-3.884e-5	2
449	N225	max	.004	2	.014	1	-.024	3	-1.981e-4	3	-3.17e-6	3	1.362e-6	1
450		min	0	1	.01	3	-.033	1	-2.779e-4	1	-4.749e-6	2	-3.901e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
451	N226	max	.004	2	.013	1	-.024	3	-1.979e-4	3	-3.489e-6	3	1.283e-6	1
452		min	0	1	.009	2	-.032	1	-2.778e-4	1	-5.074e-6	2	-3.909e-5	2
453	N227	max	.004	2	.012	1	-.023	3	-1.977e-4	3	-3.782e-6	3	1.236e-6	1
454		min	0	1	.008	2	-.032	1	-2.776e-4	1	-5.415e-6	1	-3.914e-5	2
455	N228	max	.004	2	.011	1	-.023	3	-1.976e-4	3	-4.045e-6	3	1.123e-6	1
456		min	0	1	.007	2	-.032	1	-2.774e-4	1	-5.791e-6	1	-3.921e-5	2
457	N229	max	.004	2	.009	1	-.023	3	-1.974e-4	3	-4.276e-6	3	1.129e-6	1
458		min	0	1	.005	2	-.032	1	-2.769e-4	1	-6.119e-6	1	-3.934e-5	2
459	N230	max	.004	2	.008	1	-.023	3	-1.973e-4	3	-4.474e-6	3	1.014e-6	1
460		min	0	1	.004	2	-.032	1	-2.767e-4	1	-6.401e-6	1	-3.953e-5	2
461	N231	max	.004	2	.006	1	-.023	3	-1.97e-4	3	-4.636e-6	3	9.738e-7	1
462		min	0	1	.003	2	-.032	1	-2.762e-4	1	-6.636e-6	1	-3.962e-5	2
463	N232	max	.004	2	.005	1	-.023	3	-1.97e-4	3	-4.763e-6	3	4.516e-7	1
464		min	0	1	.001	2	-.032	1	-2.77e-4	1	-6.821e-6	1	-3.991e-5	2
465	N233	max	.004	2	.003	1	-.023	3	-1.969e-4	3	-4.855e-6	3	3.569e-7	1
466		min	0	1	0	2	-.032	1	-2.763e-4	1	-6.954e-6	1	-4.007e-5	2
467	N234	max	.004	2	.002	1	-.023	3	-1.967e-4	3	-4.913e-6	3	1.275e-7	1
468		min	0	1	-.002	2	-.032	1	-2.761e-4	1	-7.035e-6	1	-4.026e-5	2
469	N235	max	.004	2	0	3	-.023	3	-1.968e-4	3	-4.934e-6	3	-1.09e-7	3
470		min	0	3	-.003	2	-.032	1	-2.76e-4	1	-7.064e-6	1	-4.049e-5	2
471	N236	max	.004	2	-.001	3	-.023	3	-1.969e-4	3	-4.919e-6	3	-2.909e-7	3
472		min	0	3	-.004	2	-.032	1	-2.762e-4	1	-7.042e-6	1	-4.069e-5	2
473	N237	max	.005	2	-.002	3	-.023	3	-1.969e-4	3	-4.865e-6	3	-4.719e-7	3
474		min	0	3	-.006	2	-.032	1	-2.763e-4	1	-6.965e-6	1	-4.09e-5	2
475	N238	max	.005	2	-.003	3	-.023	3	-1.979e-4	3	-4.767e-6	3	-4.474e-7	3
476		min	0	3	-.007	2	-.032	1	-2.781e-4	1	-6.825e-6	1	-4.072e-5	2
477	N239	max	.005	2	-.004	3	-.023	3	-1.964e-4	3	-4.63e-6	3	-1.09e-6	3
478		min	0	3	-.008	2	-.032	1	-2.755e-4	1	-6.628e-6	1	-4.181e-5	2
479	N240	max	.005	2	-.006	3	-.023	3	-1.97e-4	3	-4.46e-6	3	-1.042e-6	3
480		min	0	3	-.009	2	-.032	1	-2.764e-4	1	-6.384e-6	1	-4.165e-5	2
481	N241	max	.005	2	-.007	3	-.023	3	-1.973e-4	3	-4.262e-6	3	-1.08e-6	3
482		min	0	3	-.011	2	-.032	1	-2.768e-4	1	-6.102e-6	1	-4.156e-5	2
483	N242	max	.005	2	-.007	3	-.023	3	-1.977e-4	3	-4.035e-6	3	-9.942e-7	3
484		min	0	3	-.012	2	-.032	1	-2.775e-4	1	-5.778e-6	1	-4.127e-5	2
485	N243	max	.005	2	-.008	3	-.023	3	-1.977e-4	3	-3.777e-6	3	-1.144e-6	3
486		min	0	3	-.013	2	-.032	1	-2.776e-4	1	-5.409e-6	1	-4.148e-5	2
487	N244	max	.005	2	-.009	3	-.024	3	-1.979e-4	3	-3.488e-6	3	-1.197e-6	3
488		min	0	3	-.013	2	-.032	1	-2.777e-4	1	-4.995e-6	1	-4.155e-5	2
489	N245	max	.005	2	-.01	3	-.024	3	-1.981e-4	3	-3.031e-6	2	-1.161e-6	3
490		min	0	3	-.014	1	-.033	1	-2.78e-4	1	-4.539e-6	1	-4.155e-5	2
491	N246	max	.005	2	-.011	3	-.024	3	-1.984e-4	3	-2.55e-6	2	-9.843e-7	3
492		min	0	3	-.015	1	-.033	1	-2.782e-4	1	-4.048e-6	1	-4.156e-5	2
493	N247	max	.005	2	-.011	3	-.024	3	-1.984e-4	3	-2.05e-6	2	-1.058e-6	3
494		min	0	3	-.016	1	-.033	1	-2.785e-4	1	-3.525e-6	1	-4.132e-5	2
495	N248	max	.005	2	-.012	3	-.024	3	-1.985e-4	3	-1.535e-6	2	-1.106e-6	3
496		min	0	3	-.017	1	-.033	1	-2.787e-4	1	-2.975e-6	1	-4.104e-5	2
497	N249	max	.004	2	-.012	3	-.024	3	-1.987e-4	3	-1.007e-6	2	-8.165e-7	3
498		min	0	3	-.018	1	-.033	1	-2.789e-4	1	-2.404e-6	1	-4.097e-5	2
499	N250	max	.004	2	-.013	3	-.024	3	-1.988e-4	3	-4.718e-7	2	-6.307e-7	3
500		min	0	3	-.018	1	-.033	1	-2.79e-4	1	-1.815e-6	1	-4.083e-5	2
501	N251	max	.004	2	-.013	3	-.024	3	-1.989e-4	3	6.388e-8	2	-5.149e-7	3
502		min	0	3	-.018	1	-.033	1	-2.791e-4	1	-1.215e-6	1	-4.072e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
503	N252	max	.004	2	-.013	3	-.024	3	-1.989e-4	3	5.944e-7	2	-5.083e-7	3
504		min	0	3	-.019	1	-.033	1	-2.791e-4	1	-6.103e-7	1	-4.079e-5	2
505	N253	max	.004	2	-.013	3	-.024	3	-1.99e-4	3	1.118e-6	2	1.15e-8	1
506		min	0	3	-.019	1	-.033	1	-2.791e-4	1	0	1	-3.999e-5	2
507	N254	max	.004	2	-.013	3	-.024	3	-1.989e-4	3	1.638e-6	2	6.421e-7	1
508		min	0	1	-.019	1	-.033	1	-2.791e-4	1	4.29e-7	3	-3.943e-5	2
509	N255	max	.004	2	-.013	3	-.024	3	-1.988e-4	3	2.156e-6	2	1.474e-6	1
510		min	0	1	-.018	1	-.033	1	-2.79e-4	1	8.593e-7	3	-3.859e-5	2
511	N256	max	.004	2	-.013	3	-.024	3	-1.99e-4	3	2.66e-6	2	-2.203e-7	3
512		min	0	1	-.018	1	-.033	1	-2.794e-4	1	1.285e-6	3	-4.093e-5	2
513	N257	max	.004	2	-.012	3	-.024	3	-1.987e-4	3	3.14e-6	2	7.404e-7	1
514		min	0	1	-.018	1	-.033	1	-2.789e-4	1	1.699e-6	3	-3.939e-5	2
515	N258	max	.004	2	-.012	3	-.024	3	-1.986e-4	3	3.587e-6	2	7.838e-7	1
516		min	0	1	-.017	1	-.033	1	-2.787e-4	1	2.095e-6	3	-3.929e-5	2
517	N259	max	.004	2	-.011	3	-.024	3	-1.984e-4	3	4.004e-6	2	1.224e-6	1
518		min	0	1	-.016	1	-.033	1	-2.784e-4	1	2.472e-6	3	-3.898e-5	2
519	N260	max	.004	2	-.011	3	-.024	3	-1.982e-4	3	4.393e-6	2	1.532e-6	1
520		min	0	1	-.015	1	-.033	1	-2.78e-4	1	2.832e-6	3	-3.883e-5	2
521	N261	max	.004	2	-.01	3	-.024	3	-1.981e-4	3	4.752e-6	2	1.385e-6	1
522		min	0	1	-.014	1	-.033	1	-2.779e-4	1	3.172e-6	3	-3.898e-5	2
523	N262	max	.004	2	-.009	2	-.024	3	-1.979e-4	3	5.075e-6	2	1.401e-6	1
524		min	0	1	-.013	1	-.032	1	-2.777e-4	1	3.49e-6	3	-3.943e-5	2
525	N263	max	.004	2	-.008	2	-.023	3	-1.978e-4	3	5.413e-6	1	1.237e-6	1
526		min	0	1	-.012	1	-.032	1	-2.776e-4	1	3.782e-6	3	-3.891e-5	2
527	N264	max	.004	2	-.007	2	-.023	3	-1.976e-4	3	5.791e-6	1	1.146e-6	1
528		min	0	1	-.011	1	-.032	1	-2.774e-4	1	4.045e-6	3	-3.916e-5	2
529	N265	max	.004	2	-.005	2	-.023	3	-1.974e-4	3	6.121e-6	1	1.108e-6	1
530		min	0	1	-.009	1	-.032	1	-2.77e-4	1	4.276e-6	3	-3.931e-5	2
531	N266	max	.004	2	-.004	2	-.023	3	-1.972e-4	3	6.404e-6	1	1.028e-6	1
532		min	0	1	-.008	1	-.032	1	-2.767e-4	1	4.474e-6	3	-3.951e-5	2
533	N267	max	.004	2	-.003	2	-.023	3	-1.971e-4	3	6.638e-6	1	8.087e-7	1
534		min	0	1	-.006	1	-.032	1	-2.766e-4	1	4.637e-6	3	-3.969e-5	2
535	N268	max	.004	2	-.001	2	-.023	3	-1.97e-4	3	6.822e-6	1	5.901e-7	1
536		min	0	1	-.005	1	-.032	1	-2.765e-4	1	4.765e-6	3	-3.988e-5	2
537	N269	max	.004	2	0	2	-.023	3	-1.969e-4	3	6.954e-6	1	3.639e-7	1
538		min	0	1	-.003	1	-.032	1	-2.763e-4	1	4.858e-6	3	-4.007e-5	2
539	N270	max	.004	2	.002	2	-.023	3	-1.968e-4	3	7.035e-6	1	1.301e-7	1
540		min	0	1	-.002	1	-.032	1	-2.762e-4	1	4.914e-6	3	-4.026e-5	2
541	N271	max	.004	2	.003	2	-.023	3	-1.968e-4	3	7.063e-6	1	-1.11e-7	3
542		min	0	3	0	1	-.032	1	-2.762e-4	1	4.934e-6	3	-4.049e-5	2
543	N272	max	.004	2	.004	2	-.023	3	-1.969e-4	3	7.038e-6	1	-2.924e-7	3
544		min	0	3	.001	3	-.032	1	-2.764e-4	1	4.916e-6	3	-4.069e-5	2
545	N273	max	.005	2	.006	2	-.023	3	-1.969e-4	3	6.957e-6	1	-4.809e-7	3
546		min	0	3	.002	3	-.032	1	-2.764e-4	1	4.859e-6	3	-4.093e-5	2
547	N274	max	.005	2	.007	2	-.023	3	-1.97e-4	3	6.821e-6	1	-6.528e-7	3
548		min	0	3	.003	3	-.032	1	-2.765e-4	1	4.764e-6	3	-4.114e-5	2
549	N275	max	.005	2	.008	2	-.023	3	-1.971e-4	3	6.632e-6	1	-8.106e-7	3
550		min	0	3	.004	3	-.032	1	-2.766e-4	1	4.632e-6	3	-4.132e-5	2
551	N276	max	.005	2	.009	2	-.023	3	-1.972e-4	3	6.394e-6	1	-9.664e-7	3
552		min	0	3	.005	3	-.032	1	-2.766e-4	1	4.465e-6	3	-4.153e-5	2
553	N277	max	.005	2	.011	2	-.023	3	-1.973e-4	3	6.109e-6	1	-1.071e-6	3
554		min	0	3	.006	3	-.032	1	-2.769e-4	1	4.265e-6	3	-4.148e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
555	N278	max	.005	2	.012	2	-.023	3	-1.975e-4	3	5.778e-6	1	-1.116e-6	3
556		min	0	3	.007	3	-.032	1	-2.773e-4	1	4.034e-6	3	-4.139e-5	2
557	N279	max	.005	2	.012	2	-.023	3	-1.974e-4	3	5.404e-6	1	-1.38e-6	3
558		min	0	3	.008	3	-.032	1	-2.772e-4	1	3.774e-6	3	-4.151e-5	2
559	N280	max	.005	2	.013	2	-.024	3	-1.983e-4	3	4.987e-6	1	-7.976e-7	3
560		min	0	3	.009	3	-.032	1	-2.781e-4	1	3.48e-6	2	-4.165e-5	2
561	N281	max	.005	2	.014	1	-.024	3	-1.981e-4	3	4.53e-6	1	-1.205e-6	3
562		min	0	3	.01	3	-.033	1	-2.779e-4	1	3.02e-6	2	-4.159e-5	2
563	N282	max	.005	2	.015	1	-.024	3	-1.982e-4	3	4.038e-6	1	-1.264e-6	3
564		min	0	3	.011	3	-.033	1	-2.78e-4	1	2.54e-6	2	-4.171e-5	2
565	N283	max	.005	2	.016	1	-.024	3	-1.984e-4	3	3.518e-6	1	-1.067e-6	3
566		min	0	3	.011	3	-.033	1	-2.784e-4	1	2.044e-6	2	-4.129e-5	2
567	N284	max	.005	2	.017	1	-.024	3	-1.986e-4	3	2.972e-6	1	-8.157e-7	3
568		min	0	3	.012	3	-.033	1	-2.788e-4	1	1.532e-6	2	-4.083e-5	2
569	N285	max	.004	2	.017	1	-.024	3	-1.987e-4	3	2.403e-6	1	-7.947e-7	3
570		min	0	3	.012	3	-.033	1	-2.789e-4	1	1.006e-6	2	-4.092e-5	2
571	N286	max	.004	2	.018	1	-.024	3	-1.988e-4	3	1.812e-6	1	-5.781e-7	1
572		min	0	3	.012	3	-.033	1	-2.791e-4	1	4.7e-7	2	-4.079e-5	2
573	N287	max	.004	2	.018	1	-.024	3	-1.989e-4	3	1.208e-6	1	-3.882e-7	3
574		min	0	3	.013	3	-.033	1	-2.79e-4	1	-6.834e-8	2	-4.072e-5	2
575	N288	max	.004	2	.018	1	-.024	3	-1.989e-4	3	5.997e-7	1	-3.257e-7	3
576		min	0	3	.013	3	-.033	1	-2.791e-4	1	-6.024e-7	2	-4.056e-5	2
577	N289	max	.007	2	.022	1	-.035	3	-1.898e-4	3	0	3	-1.459e-7	1
578		min	0	3	.016	3	-.048	1	-2.71e-4	1	0	1	-4.216e-5	2
579	N290	max	.007	2	.022	1	-.035	3	-1.898e-4	3	0	3	-1.73e-7	3
580		min	0	3	.015	3	-.048	1	-2.71e-4	1	0	1	-4.239e-5	2
581	N291	max	.007	2	.022	1	-.035	3	-1.898e-4	3	0	3	1.561e-7	3
582		min	0	3	.015	3	-.048	1	-2.709e-4	1	0	1	-4.187e-5	2
583	N292	max	.007	2	.022	1	-.035	3	-1.897e-4	3	0	3	4.839e-7	1
584		min	0	3	.015	3	-.048	1	-2.707e-4	1	0	1	-4.158e-5	2
585	N293	max	.007	2	.021	1	-.035	3	-1.895e-4	3	0	3	8.981e-7	1
586		min	0	3	.015	3	-.048	1	-2.705e-4	1	0	1	-4.131e-5	2
587	N294	max	.007	2	.02	1	-.035	3	-1.893e-4	3	0	3	1.699e-6	1
588		min	0	3	.014	3	-.048	1	-2.701e-4	1	0	1	-4.081e-5	2
589	N295	max	.007	2	.019	1	-.035	3	-1.893e-4	3	0	3	1.177e-6	1
590		min	0	3	.013	3	-.048	1	-2.702e-4	1	0	1	-4.113e-5	2
591	N296	max	.007	2	.018	1	-.035	3	-1.893e-4	3	0	3	6.467e-7	1
592		min	0	3	.013	3	-.048	1	-2.704e-4	1	0	1	-4.146e-5	2
593	N297	max	.007	2	.017	1	-.035	3	-1.889e-4	3	0	3	1.254e-6	1
594		min	0	3	.012	3	-.048	1	-2.697e-4	1	0	1	-4.111e-5	2
595	N298	max	.007	2	.016	1	-.035	3	-1.887e-4	3	0	3	1.442e-6	1
596		min	0	3	.011	2	-.048	1	-2.693e-4	1	0	1	-4.104e-5	2
597	N299	max	.007	2	.014	1	-.035	3	-1.885e-4	3	0	3	1.46e-6	1
598		min	0	3	.009	2	-.048	1	-2.69e-4	1	0	1	-4.11e-5	2
599	N300	max	.007	2	.013	1	-.035	3	-1.883e-4	3	0	3	1.467e-6	1
600		min	0	3	.008	2	-.048	1	-2.686e-4	1	0	1	-4.122e-5	2
601	N301	max	.007	2	.011	1	-.035	3	-1.881e-4	3	0	3	1.165e-6	1
602		min	0	3	.006	2	-.048	1	-2.687e-4	1	0	1	-4.136e-5	2
603	N302	max	.007	2	.009	1	-.035	3	-1.879e-4	3	0	3	9.619e-7	1
604		min	0	3	.005	2	-.048	1	-2.685e-4	1	0	1	-4.146e-5	2
605	N303	max	.007	2	.008	1	-.035	3	-1.879e-4	3	0	3	5.303e-7	1
606		min	0	3	.003	2	-.048	1	-2.689e-4	1	0	1	-4.18e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
607	N304	max	.007	2	.006	1	-.035	3	-1.878e-4	3	0	3	8.19e-7	1
608		min	0	3	.001	2	-.048	1	-2.671e-4	1	0	1	-4.187e-5	2
609	N305	max	.007	2	.004	1	-.035	3	-1.878e-4	3	0	3	3.474e-7	1
610		min	0	3	0	2	-.048	1	-2.68e-4	1	0	1	-4.219e-5	2
611	N306	max	.007	2	.002	1	-.035	3	-1.878e-4	3	0	2	5.699e-8	1
612		min	0	3	-.002	2	-.048	1	-2.682e-4	1	0	1	-4.248e-5	2
613	N307	max	.007	2	0	3	-.035	3	-1.878e-4	3	0	2	-1.823e-7	3
614		min	0	3	-.004	2	-.048	1	-2.682e-4	1	0	1	-4.271e-5	2
615	N308	max	.007	2	-.001	3	-.035	3	-1.876e-4	3	0	2	-3.777e-7	3
616		min	0	3	-.005	2	-.048	1	-2.68e-4	1	0	1	-4.295e-5	2
617	N309	max	.007	2	-.003	3	-.035	3	-1.877e-4	3	0	2	-5.58e-7	3
618		min	0	3	-.007	2	-.048	1	-2.679e-4	1	0	1	-4.314e-5	2
619	N310	max	.007	2	-.004	3	-.035	3	-1.863e-4	3	0	2	-1.047e-6	3
620		min	0	3	-.009	2	-.048	1	-2.654e-4	1	0	1	-4.393e-5	2
621	N311	max	.007	2	-.005	3	-.035	3	-1.89e-4	3	0	2	-3.798e-7	1
622		min	0	3	-.01	2	-.048	1	-2.701e-4	1	0	1	-4.258e-5	2
623	N312	max	.007	2	-.007	3	-.035	3	-1.884e-4	3	0	2	-8.393e-7	3
624		min	0	3	-.012	2	-.048	1	-2.69e-4	1	0	1	-4.322e-5	2
625	N313	max	.007	2	-.008	3	-.035	3	-1.883e-4	3	0	2	-1.053e-6	3
626		min	0	3	-.013	2	-.048	1	-2.689e-4	1	0	1	-4.361e-5	2
627	N314	max	.007	2	-.009	3	-.035	3	-1.881e-4	3	0	2	-1.401e-6	3
628		min	0	3	-.014	2	-.048	1	-2.684e-4	1	0	1	-4.425e-5	2
629	N315	max	.007	2	-.01	3	-.035	3	-1.885e-4	3	0	2	-1.287e-6	3
630		min	0	3	-.015	2	-.048	1	-2.689e-4	1	0	1	-4.396e-5	2
631	N316	max	.007	2	-.011	3	-.035	3	-1.887e-4	3	0	2	-1.245e-6	3
632		min	0	3	-.016	2	-.048	1	-2.693e-4	1	0	1	-4.381e-5	2
633	N317	max	.007	2	-.012	3	-.035	3	-1.889e-4	3	0	2	-1.259e-6	3
634		min	0	3	-.017	1	-.048	1	-2.697e-4	1	0	1	-4.366e-5	2
635	N318	max	.007	2	-.013	3	-.035	3	-1.889e-4	3	0	2	-1.416e-6	3
636		min	0	3	-.019	1	-.048	1	-2.699e-4	1	0	1	-4.34e-5	2
637	N319	max	.007	2	-.014	3	-.035	3	-1.892e-4	3	0	2	-1.087e-6	3
638		min	0	3	-.02	1	-.048	1	-2.702e-4	1	0	1	-4.344e-5	2
639	N320	max	.007	2	-.014	3	-.035	3	-1.895e-4	3	0	2	-7.269e-7	3
640		min	0	3	-.02	1	-.048	1	-2.704e-4	1	0	1	-4.347e-5	2
641	N321	max	.007	2	-.015	3	-.035	3	-1.896e-4	3	0	2	-8.466e-7	3
642		min	0	3	-.021	1	-.048	1	-2.706e-4	1	0	1	-4.31e-5	2
643	N322	max	.007	2	-.015	3	-.035	3	-1.897e-4	3	0	2	-7.424e-7	3
644		min	0	3	-.022	1	-.048	1	-2.707e-4	1	0	1	-4.278e-5	2
645	N323	max	.007	2	-.015	3	-.035	3	-1.898e-4	3	0	2	-4.863e-7	3
646		min	0	3	-.022	1	-.048	1	-2.709e-4	1	0	1	-4.239e-5	2
647	N324	max	.007	2	-.016	3	-.035	3	-1.898e-4	3	0	2	2.921e-7	1
648		min	0	3	-.022	1	-.048	1	-2.71e-4	1	0	3	-4.169e-5	2
649	N325	max	.007	2	-.016	3	-.035	3	-1.898e-4	3	0	1	-2.886e-7	3
650		min	0	3	-.023	1	-.048	1	-2.71e-4	1	0	3	-4.24e-5	2
651	N326	max	.007	2	-.016	3	-.035	3	-1.898e-4	3	0	1	-3.217e-7	3
652		min	0	3	-.022	1	-.048	1	-2.71e-4	1	0	3	-4.271e-5	2
653	N327	max	.007	2	-.015	3	-.035	3	-1.898e-4	3	0	1	-6.774e-7	3
654		min	0	3	-.022	1	-.048	1	-2.711e-4	1	0	3	-4.357e-5	2
655	N328	max	.007	2	-.015	3	-.035	3	-1.893e-4	3	0	1	2.766e-6	1
656		min	0	3	-.022	1	-.048	1	-2.701e-4	1	0	3	-3.926e-5	2
657	N329	max	.007	2	-.015	3	-.035	3	-1.896e-4	3	0	1	9.047e-7	1
658		min	0	3	-.021	1	-.048	1	-2.706e-4	1	0	3	-4.134e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
659	N330	max	.007	2	-.014	3	-.035	3	-1.894e-4	3	0	1	1.336e-6	1
660		min	0	3	-.02	1	-.048	1	-2.703e-4	1	0	3	-4.114e-5	2
661	N331	max	.007	2	-.014	3	-.035	3	-1.893e-4	3	0	2	1.015e-6	1
662		min	0	3	-.02	1	-.048	1	-2.703e-4	1	0	3	-4.139e-5	2
663	N332	max	.007	2	-.013	3	-.035	3	-1.892e-4	3	0	2	8.06e-7	1
664		min	0	3	-.018	1	-.048	1	-2.703e-4	1	0	3	-4.147e-5	2
665	N333	max	.007	2	-.012	3	-.035	3	-1.889e-4	3	0	2	1.222e-6	1
666		min	0	3	-.017	1	-.048	1	-2.697e-4	1	0	3	-4.117e-5	2
667	N334	max	.007	2	-.011	2	-.035	3	-1.888e-4	3	0	2	1.255e-6	1
668		min	0	3	-.016	1	-.048	1	-2.695e-4	1	0	3	-4.047e-5	2
669	N335	max	.007	2	-.01	2	-.035	3	-1.885e-4	3	0	2	1.462e-6	1
670		min	0	3	-.015	1	-.048	1	-2.689e-4	1	0	3	-4.147e-5	2
671	N336	max	.007	2	-.008	2	-.035	3	-1.883e-4	3	0	2	1.431e-6	1
672		min	0	3	-.013	1	-.048	1	-2.686e-4	1	0	3	-4.131e-5	2
673	N337	max	.007	2	-.006	2	-.035	3	-1.881e-4	3	0	2	1.205e-6	1
674		min	0	3	-.011	1	-.048	1	-2.686e-4	1	0	3	-4.141e-5	2
675	N338	max	.007	2	-.005	2	-.035	3	-1.881e-4	3	0	2	9.408e-7	1
676		min	0	3	-.01	1	-.048	1	-2.685e-4	1	0	3	-4.149e-5	2
677	N339	max	.007	2	-.003	2	-.035	3	-1.879e-4	3	0	2	8.097e-7	1
678		min	0	3	-.008	1	-.048	1	-2.682e-4	1	0	3	-4.169e-5	2
679	N340	max	.007	2	-.001	2	-.035	3	-1.878e-4	3	0	2	6.006e-7	1
680		min	0	3	-.006	1	-.048	1	-2.68e-4	1	0	3	-4.191e-5	2
681	N341	max	.007	2	0	2	-.035	3	-1.877e-4	3	0	2	3.448e-7	1
682		min	0	3	-.004	1	-.048	1	-2.679e-4	1	0	3	-4.218e-5	2
683	N342	max	.007	2	.002	2	-.035	3	-1.878e-4	3	0	2	6.e-8	1
684		min	0	3	-.002	1	-.048	1	-2.68e-4	1	0	3	-4.248e-5	2
685	N343	max	.007	2	.004	2	-.035	3	-1.876e-4	3	0	2	-1.745e-7	3
686		min	0	3	0	1	-.048	1	-2.678e-4	1	0	3	-4.269e-5	2
687	N344	max	.007	2	.005	2	-.035	3	-1.875e-4	3	0	2	-3.711e-7	3
688		min	0	3	.001	3	-.048	1	-2.677e-4	1	0	3	-4.294e-5	2
689	N345	max	.007	2	.007	2	-.035	3	-1.876e-4	3	0	2	-5.412e-7	3
690		min	0	3	.003	3	-.048	1	-2.678e-4	1	0	3	-4.31e-5	2
691	N346	max	.007	2	.009	2	-.035	3	-1.877e-4	3	0	2	-7.091e-7	3
692		min	0	3	.004	3	-.048	1	-2.68e-4	1	0	3	-4.326e-5	2
693	N347	max	.007	2	.01	2	-.035	3	-1.879e-4	3	0	2	-8.567e-7	3
694		min	0	3	.005	3	-.048	1	-2.682e-4	1	0	3	-4.339e-5	2
695	N348	max	.007	2	.011	2	-.035	3	-1.881e-4	3	0	2	-9.524e-7	3
696		min	0	3	.007	3	-.048	1	-2.686e-4	1	0	3	-4.339e-5	2
697	N349	max	.007	2	.013	2	-.035	3	-1.883e-4	3	0	2	-1.065e-6	3
698		min	0	3	.008	3	-.048	1	-2.687e-4	1	0	3	-4.373e-5	2
699	N350	max	.007	2	.014	2	-.035	3	-1.883e-4	3	0	2	-1.203e-6	3
700		min	0	3	.009	3	-.048	1	-2.687e-4	1	0	3	-4.404e-5	2
701	N351	max	.007	2	.015	2	-.035	3	-1.89e-4	3	0	1	-8.893e-7	3
702		min	0	3	.01	3	-.048	1	-2.696e-4	1	0	3	-4.391e-5	2
703	N352	max	.007	2	.016	2	-.035	3	-1.881e-4	3	0	1	-1.885e-6	3
704		min	0	3	.011	3	-.048	1	-2.687e-4	1	0	3	-4.362e-5	2
705	N353	max	.007	2	.017	1	-.035	3	-1.889e-4	3	0	1	-1.173e-6	3
706		min	0	3	.012	3	-.048	1	-2.697e-4	1	0	3	-4.358e-5	2
707	N354	max	.007	2	.018	1	-.035	3	-1.893e-4	3	0	1	-9.517e-7	3
708		min	0	3	.013	3	-.048	1	-2.703e-4	1	0	3	-4.313e-5	2
709	N355	max	.007	2	.019	1	-.035	3	-1.893e-4	3	0	1	-1.06e-6	3
710		min	0	3	.013	3	-.048	1	-2.703e-4	1	0	3	-4.347e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
711	N356	max	.007	2	.02	1	-.035	3	-1.893e-4	3	0	1	-1.181e-6	3
712		min	0	3	.014	3	-.048	1	-2.702e-4	1	0	3	-4.38e-5	2
713	N357	max	.007	2	.021	1	-.035	3	-1.895e-4	3	0	1	-8.689e-7	3
714		min	0	3	.015	3	-.048	1	-2.706e-4	1	0	3	-4.317e-5	2
715	N358	max	.007	2	.022	1	-.035	3	-1.898e-4	3	0	1	-2.775e-7	3
716		min	0	3	.015	3	-.048	1	-2.706e-4	1	0	3	-4.285e-5	2
717	N359	max	.007	2	.022	1	-.035	3	-1.897e-4	3	0	1	-1.08e-7	1
718		min	0	3	.015	3	-.048	1	-2.709e-4	1	0	3	-4.239e-5	2
719	N360	max	.007	2	.022	1	-.035	3	-1.898e-4	3	0	1	0	1
720		min	0	3	.015	3	-.048	1	-2.71e-4	1	0	3	-4.206e-5	2
721	N361	max	.009	2	.025	1	-.047	3	-2.225e-4	3	0	3	-1.116e-7	3
722		min	0	3	.017	3	-.065	1	-3.196e-4	1	-8.67e-7	2	-5.144e-5	2
723	N362	max	.009	2	.025	1	-.047	3	-2.225e-4	3	-2.986e-7	3	9.169e-7	1
724		min	0	1	.017	3	-.065	1	-3.196e-4	1	-1.237e-6	2	-5.055e-5	2
725	N363	max	.009	2	.025	1	-.047	3	-2.225e-4	3	-6.039e-7	3	5.252e-7	1
726		min	0	1	.017	3	-.065	1	-3.196e-4	1	-1.605e-6	2	-5.088e-5	2
727	N364	max	.009	2	.025	1	-.047	3	-2.225e-4	3	-9.079e-7	3	4.954e-7	1
728		min	0	1	.017	3	-.065	1	-3.196e-4	1	-1.967e-6	2	-5.09e-5	2
729	N365	max	.009	2	.024	1	-.047	3	-2.224e-4	3	-1.204e-6	3	3.445e-7	1
730		min	0	1	.016	3	-.065	1	-3.196e-4	1	-2.314e-6	2	-5.096e-5	2
731	N366	max	.009	2	.023	1	-.047	3	-2.225e-4	3	-1.486e-6	3	-7.509e-8	3
732		min	0	1	.016	3	-.065	1	-3.198e-4	1	-2.637e-6	2	-5.143e-5	2
733	N367	max	.009	2	.022	1	-.047	3	-2.221e-4	3	-1.751e-6	3	7.164e-7	1
734		min	0	1	.015	3	-.065	1	-3.191e-4	1	-2.933e-6	2	-5.069e-5	2
735	N368	max	.009	2	.021	1	-.047	3	-2.217e-4	3	-2.002e-6	3	1.829e-6	1
736		min	0	1	.014	3	-.065	1	-3.182e-4	1	-3.206e-6	2	-5.001e-5	2
737	N369	max	.009	2	.019	1	-.046	3	-2.218e-4	3	-2.241e-6	3	1.043e-6	1
738		min	0	1	.013	3	-.065	1	-3.187e-4	1	-3.458e-6	2	-5.051e-5	2
739	N370	max	.009	2	.018	1	-.046	3	-2.218e-4	3	-2.468e-6	3	8.031e-7	1
740		min	0	1	.012	2	-.065	1	-3.187e-4	1	-3.69e-6	2	-5.068e-5	2
741	N371	max	.009	2	.016	1	-.046	3	-2.217e-4	3	-2.677e-6	3	7.158e-7	1
742		min	0	1	.011	2	-.065	1	-3.186e-4	1	-3.896e-6	1	-5.073e-5	2
743	N372	max	.009	2	.015	1	-.046	3	-2.215e-4	3	-2.864e-6	3	5.448e-7	1
744		min	0	1	.009	2	-.065	1	-3.186e-4	1	-4.165e-6	1	-5.077e-5	2
745	N373	max	.009	2	.013	1	-.046	3	-2.214e-4	3	-3.027e-6	3	7.638e-7	1
746		min	0	1	.007	2	-.065	1	-3.179e-4	1	-4.396e-6	1	-5.086e-5	2
747	N374	max	.009	2	.011	1	-.046	3	-2.214e-4	3	-3.164e-6	3	7.221e-7	1
748		min	0	1	.005	2	-.065	1	-3.176e-4	1	-4.594e-6	1	-5.108e-5	2
749	N375	max	.009	2	.009	1	-.046	3	-2.21e-4	3	-3.275e-6	3	9.799e-7	1
750		min	0	1	.003	2	-.065	1	-3.165e-4	1	-4.764e-6	1	-5.099e-5	2
751	N376	max	.009	2	.006	1	-.046	3	-2.21e-4	3	-3.363e-6	3	2.022e-7	3
752		min	0	1	.001	2	-.065	1	-3.19e-4	1	-4.901e-6	1	-5.137e-5	2
753	N377	max	.009	2	.004	1	-.046	3	-2.208e-4	3	-3.428e-6	3	1.639e-7	1
754		min	0	1	0	2	-.065	1	-3.173e-4	1	-5.002e-6	1	-5.14e-5	2
755	N378	max	.009	2	.002	1	-.046	3	-2.207e-4	3	-3.473e-6	3	0	1
756		min	0	1	-.002	2	-.065	1	-3.169e-4	1	-5.064e-6	1	-5.15e-5	2
757	N379	max	.009	2	0	3	-.046	3	-2.207e-4	3	-3.495e-6	3	-1.673e-7	3
758		min	0	3	-.004	2	-.065	1	-3.169e-4	1	-5.093e-6	1	-5.169e-5	2
759	N380	max	.01	2	-.002	3	-.046	3	-2.21e-4	3	-3.492e-6	3	-2.999e-7	3
760		min	0	3	-.006	2	-.065	1	-3.174e-4	1	-5.087e-6	1	-5.184e-5	2
761	N381	max	.01	2	-.003	3	-.046	3	-2.21e-4	3	-3.456e-6	3	-4.453e-7	3
762		min	0	3	-.008	2	-.065	1	-3.175e-4	1	-5.034e-6	1	-5.203e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
763	N382	max	.01	2	-.005	3	-.046	3	-2.234e-4	3	-3.378e-6	3	1.515e-7	1
764		min	0	3	-.01	2	-.065	1	-3.217e-4	1	-4.919e-6	1	-5.124e-5	2
765	N383	max	.01	2	-.006	3	-.046	3	-2.194e-4	3	-3.268e-6	3	-1.495e-6	3
766		min	0	3	-.012	2	-.065	1	-3.146e-4	1	-4.754e-6	1	-5.382e-5	2
767	N384	max	.01	2	-.008	3	-.046	3	-2.207e-4	3	-3.137e-6	3	-1.093e-6	3
768		min	0	3	-.013	2	-.065	1	-3.168e-4	1	-4.562e-6	1	-5.308e-5	2
769	N385	max	.01	2	-.009	3	-.046	3	-2.21e-4	3	-2.998e-6	3	-1.023e-6	3
770		min	0	3	-.015	2	-.065	1	-3.175e-4	1	-4.362e-6	1	-5.272e-5	2
771	N386	max	.01	2	-.01	3	-.046	3	-2.219e-4	3	-2.845e-6	3	-6.459e-7	3
772		min	0	3	-.016	2	-.065	1	-3.189e-4	1	-4.143e-6	1	-5.183e-5	2
773	N387	max	.01	2	-.011	3	-.046	3	-2.217e-4	3	-2.672e-6	3	-9.212e-7	3
774		min	0	3	-.017	2	-.065	1	-3.187e-4	1	-3.89e-6	1	-5.231e-5	2
775	N388	max	.01	2	-.012	3	-.046	3	-2.218e-4	3	-2.473e-6	2	-1.006e-6	3
776		min	0	3	-.019	2	-.065	1	-3.187e-4	1	-3.599e-6	1	-5.247e-5	2
777	N389	max	.01	2	-.014	3	-.046	3	-2.219e-4	3	-2.14e-6	2	-9.417e-7	3
778		min	0	3	-.02	1	-.065	1	-3.188e-4	1	-3.273e-6	1	-5.256e-5	2
779	N390	max	.01	2	-.014	3	-.047	3	-2.223e-4	3	-1.788e-6	2	-5.89e-7	3
780		min	0	3	-.021	1	-.065	1	-3.19e-4	1	-2.916e-6	1	-5.275e-5	2
781	N391	max	.01	2	-.015	3	-.047	3	-2.222e-4	3	-1.423e-6	2	-9.367e-7	3
782		min	0	3	-.022	1	-.065	1	-3.192e-4	1	-2.535e-6	1	-5.238e-5	2
783	N392	max	.01	2	-.016	3	-.047	3	-2.221e-4	3	-1.046e-6	2	-1.092e-6	1
784		min	0	3	-.023	1	-.065	1	-3.194e-4	1	-2.134e-6	1	-5.196e-5	2
785	N393	max	.01	2	-.017	3	-.047	3	-2.224e-4	3	-6.609e-7	2	-7.803e-7	3
786		min	0	3	-.024	1	-.065	1	-3.195e-4	1	-1.718e-6	1	-5.21e-5	2
787	N394	max	.009	2	-.017	3	-.047	3	-2.225e-4	3	-2.733e-7	2	-5.82e-7	3
788		min	0	3	-.025	1	-.065	1	-3.196e-4	1	-1.294e-6	1	-5.211e-5	2
789	N395	max	.009	2	-.017	3	-.047	3	-2.225e-4	3	1.089e-7	2	-5.63e-7	3
790		min	0	3	-.025	1	-.065	1	-3.196e-4	1	-8.675e-7	1	-5.218e-5	2
791	N396	max	.009	2	-.018	3	-.047	3	-2.225e-4	3	4.796e-7	2	-8.408e-7	3
792		min	0	3	-.025	1	-.065	1	-3.195e-4	1	-4.448e-7	1	-5.269e-5	2
793	N397	max	.009	2	-.018	3	-.047	3	-2.225e-4	3	8.436e-7	2	2.289e-7	1
794		min	0	3	-.026	1	-.065	1	-3.196e-4	1	-2.135e-8	1	-5.098e-5	2
795	N398	max	.009	2	-.018	3	-.047	3	-2.225e-4	3	1.214e-6	2	1.306e-6	1
796		min	0	1	-.025	1	-.065	1	-3.196e-4	1	2.918e-7	3	-5.002e-5	2
797	N399	max	.009	2	-.017	3	-.047	3	-2.224e-4	3	1.599e-6	2	3.139e-6	1
798		min	0	1	-.025	1	-.065	1	-3.193e-4	1	6.034e-7	3	-4.808e-5	2
799	N400	max	.009	2	-.017	3	-.047	3	-2.23e-4	3	1.983e-6	2	-1.439e-6	3
800		min	0	1	-.025	1	-.065	1	-3.207e-4	1	9.156e-7	3	-5.457e-5	2
801	N401	max	.009	2	-.017	3	-.047	3	-2.224e-4	3	2.34e-6	2	3.118e-7	1
802		min	0	1	-.024	1	-.065	1	-3.195e-4	1	1.216e-6	3	-5.091e-5	2
803	N402	max	.009	2	-.016	3	-.047	3	-2.224e-4	3	2.657e-6	2	1.769e-7	3
804		min	0	1	-.023	1	-.065	1	-3.195e-4	1	1.494e-6	3	-5.093e-5	2
805	N403	max	.009	2	-.015	3	-.047	3	-2.221e-4	3	2.944e-6	2	9.741e-7	1
806		min	0	1	-.022	1	-.065	1	-3.189e-4	1	1.755e-6	3	-5.028e-5	2
807	N404	max	.009	2	-.014	3	-.047	3	-2.218e-4	3	3.212e-6	2	1.61e-6	1
808		min	0	1	-.021	1	-.065	1	-3.184e-4	1	2.002e-6	3	-5.e-5	2
809	N405	max	.009	2	-.013	3	-.046	3	-2.218e-4	3	3.463e-6	2	1.138e-6	1
810		min	0	1	-.02	1	-.065	1	-3.186e-4	1	2.239e-6	3	-5.04e-5	2
811	N406	max	.009	2	-.012	2	-.046	3	-2.217e-4	3	3.689e-6	2	1.141e-6	1
812		min	0	1	-.018	1	-.065	1	-3.184e-4	1	2.465e-6	3	-5.155e-5	2
813	N407	max	.009	2	-.011	2	-.046	3	-2.217e-4	3	3.889e-6	1	7.416e-7	1
814		min	0	1	-.016	1	-.065	1	-3.186e-4	1	2.674e-6	3	-5.01e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
815	N408	max	.009	2	-.009	2	-.046	3	-2.216e-4	3	4.166e-6	1	6.186e-7	1
816		min	0	1	-.015	1	-.065	1	-3.185e-4	1	2.862e-6	3	-5.061e-5	2
817	N409	max	.009	2	-.007	2	-.046	3	-2.214e-4	3	4.405e-6	1	7.001e-7	1
818		min	0	1	-.013	1	-.065	1	-3.181e-4	1	3.026e-6	3	-5.078e-5	2
819	N410	max	.009	2	-.005	2	-.046	3	-2.212e-4	3	4.607e-6	1	7.557e-7	1
820		min	0	1	-.011	1	-.065	1	-3.176e-4	1	3.165e-6	3	-5.104e-5	2
821	N411	max	.009	2	-.003	2	-.046	3	-2.211e-4	3	4.773e-6	1	5.194e-7	1
822		min	0	1	-.009	1	-.065	1	-3.177e-4	1	3.279e-6	3	-5.118e-5	2
823	N412	max	.009	2	-.002	2	-.046	3	-2.211e-4	3	4.904e-6	1	3.349e-7	1
824		min	0	1	-.007	1	-.065	1	-3.176e-4	1	3.369e-6	3	-5.132e-5	2
825	N413	max	.009	2	0	2	-.046	3	-2.21e-4	3	5.e-6	1	1.667e-7	1
826		min	0	1	-.004	1	-.065	1	-3.175e-4	1	3.434e-6	3	-5.143e-5	2
827	N414	max	.009	2	.002	2	-.046	3	-2.207e-4	3	5.06e-6	1	0	1
828		min	0	1	-.002	1	-.065	1	-3.172e-4	1	3.476e-6	3	-5.151e-5	2
829	N415	max	.009	2	.004	2	-.046	3	-2.209e-4	3	5.083e-6	1	-1.746e-7	3
830		min	0	3	0	1	-.065	1	-3.174e-4	1	3.492e-6	3	-5.171e-5	2
831	N416	max	.01	2	.006	2	-.046	3	-2.212e-4	3	5.067e-6	1	-3.059e-7	3
832		min	0	3	.001	3	-.065	1	-3.178e-4	1	3.481e-6	3	-5.185e-5	2
833	N417	max	.01	2	.008	2	-.046	3	-2.211e-4	3	5.007e-6	1	-4.654e-7	3
834		min	0	3	.003	3	-.065	1	-3.176e-4	1	3.44e-6	3	-5.21e-5	2
835	N418	max	.01	2	.01	2	-.046	3	-2.211e-4	3	4.905e-6	1	-6.037e-7	3
836		min	0	3	.004	3	-.065	1	-3.177e-4	1	3.369e-6	3	-5.23e-5	2
837	N419	max	.01	2	.011	2	-.046	3	-2.211e-4	3	4.764e-6	1	-7.378e-7	3
838		min	0	3	.006	3	-.065	1	-3.177e-4	1	3.271e-6	3	-5.248e-5	2
839	N420	max	.01	2	.013	2	-.046	3	-2.211e-4	3	4.589e-6	1	-9.032e-7	3
840		min	0	3	.007	3	-.065	1	-3.175e-4	1	3.149e-6	3	-5.279e-5	2
841	N421	max	.01	2	.015	2	-.046	3	-2.212e-4	3	4.384e-6	1	-9.809e-7	3
842		min	0	3	.009	3	-.065	1	-3.179e-4	1	3.007e-6	3	-5.248e-5	2
843	N422	max	.01	2	.016	2	-.046	3	-2.215e-4	3	4.15e-6	1	-9.352e-7	3
844		min	0	3	.01	3	-.065	1	-3.184e-4	1	2.847e-6	3	-5.212e-5	2
845	N423	max	.01	2	.017	2	-.046	3	-2.209e-4	3	3.886e-6	1	-1.553e-6	3
846		min	0	3	.011	3	-.065	1	-3.176e-4	1	2.671e-6	3	-5.238e-5	2
847	N424	max	.01	2	.018	2	-.046	3	-2.227e-4	3	3.59e-6	1	0	3
848		min	0	3	.012	3	-.065	1	-3.196e-4	1	2.458e-6	2	-5.279e-5	2
849	N425	max	.01	2	.019	1	-.046	3	-2.219e-4	3	3.262e-6	1	-1.077e-6	3
850		min	0	3	.013	3	-.065	1	-3.187e-4	1	2.119e-6	2	-5.272e-5	2
851	N426	max	.01	2	.021	1	-.047	3	-2.218e-4	3	2.908e-6	1	-1.307e-6	3
852		min	0	3	.014	3	-.065	1	-3.184e-4	1	1.773e-6	2	-5.319e-5	2
853	N427	max	.01	2	.022	1	-.047	3	-2.221e-4	3	2.537e-6	1	-9.655e-7	3
854		min	0	3	.015	3	-.065	1	-3.19e-4	1	1.42e-6	2	-5.232e-5	2
855	N428	max	.01	2	.023	1	-.047	3	-2.224e-4	3	2.148e-6	1	-4.874e-7	1
856		min	0	3	.016	3	-.065	1	-3.196e-4	1	1.056e-6	2	-5.14e-5	2
857	N429	max	.01	2	.024	1	-.047	3	-2.224e-4	3	1.738e-6	1	-7.21e-7	3
858		min	0	3	.016	3	-.065	1	-3.195e-4	1	6.769e-7	2	-5.194e-5	2
859	N430	max	.009	2	.025	1	-.047	3	-2.223e-4	3	1.306e-6	1	-5.834e-8	1
860		min	0	3	.017	3	-.065	1	-3.198e-4	1	2.851e-7	2	-5.194e-5	2
861	N431	max	.009	2	.025	1	-.047	3	-2.225e-4	3	8.635e-7	1	-2.286e-7	3
862		min	0	3	.017	3	-.065	1	-3.195e-4	1	-1.085e-7	2	-5.216e-5	2
863	N432	max	.009	2	.025	1	-.047	3	-2.225e-4	3	4.231e-7	1	-4.008e-7	3
864		min	0	3	.017	3	-.065	1	-3.196e-4	1	-4.947e-7	2	-5.214e-5	2
865	N433	max	.012	2	.028	1	-.059	3	-2.11e-4	3	0	3	-1.879e-7	1
866		min	0	3	.019	3	-.083	1	-3.074e-4	1	0	1	-5.21e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
867	N434	max	.012	2	.027	1	-.059	3	-2.11e-4	3	0	3	-5.481e-7	3
868		min	0	3	.019	3	-.083	1	-3.074e-4	1	0	1	-5.296e-5	2
869	N435	max	.012	2	.027	1	-.059	3	-2.109e-4	3	0	3	0	3
870		min	0	3	.019	3	-.083	1	-3.072e-4	1	0	1	-5.198e-5	2
871	N436	max	.012	2	.027	1	-.059	3	-2.108e-4	3	0	3	3.003e-7	3
872		min	0	3	.018	3	-.083	1	-3.07e-4	1	0	1	-5.154e-5	2
873	N437	max	.012	2	.026	1	-.059	3	-2.106e-4	3	0	3	1.006e-6	1
874		min	0	3	.018	3	-.083	1	-3.067e-4	1	0	1	-5.11e-5	2
875	N438	max	.012	2	.025	1	-.059	3	-2.102e-4	3	0	3	2.683e-6	1
876		min	0	3	.017	3	-.083	1	-3.059e-4	1	0	1	-5.009e-5	2
877	N439	max	.012	2	.024	1	-.059	3	-2.105e-4	3	0	3	1.23e-6	1
878		min	0	3	.016	3	-.083	1	-3.066e-4	1	0	1	-5.099e-5	2
879	N440	max	.012	2	.023	1	-.059	3	-2.107e-4	3	0	3	1.508e-7	3
880		min	0	3	.015	3	-.083	1	-3.073e-4	1	0	1	-5.19e-5	2
881	N441	max	.012	2	.021	1	-.059	3	-2.101e-4	3	0	3	1.149e-6	1
882		min	0	3	.014	3	-.083	1	-3.06e-4	1	0	1	-5.111e-5	2
883	N442	max	.012	2	.019	1	-.059	3	-2.098e-4	3	0	3	1.56e-6	1
884		min	0	3	.013	2	-.083	1	-3.053e-4	1	0	1	-5.091e-5	2
885	N443	max	.012	2	.018	1	-.059	3	-2.096e-4	3	0	3	1.639e-6	1
886		min	0	3	.011	2	-.083	1	-3.049e-4	1	0	1	-5.098e-5	2
887	N444	max	.012	2	.016	1	-.059	3	-2.094e-4	3	0	3	1.744e-6	1
888		min	0	3	.01	2	-.083	1	-3.044e-4	1	0	1	-5.115e-5	2
889	N445	max	.012	2	.014	1	-.059	3	-2.092e-4	3	0	3	1.148e-6	1
890		min	0	3	.008	2	-.083	1	-3.049e-4	1	0	1	-5.132e-5	2
891	N446	max	.012	2	.012	1	-.059	3	-2.089e-4	3	0	2	8.832e-7	1
892		min	0	3	.006	2	-.083	1	-3.048e-4	1	0	1	-5.135e-5	2
893	N447	max	.012	2	.009	1	-.059	3	-2.092e-4	3	0	2	4.185e-7	3
894		min	0	3	.003	2	-.083	1	-3.063e-4	1	0	1	-5.195e-5	2
895	N448	max	.012	2	.007	1	-.059	3	-2.09e-4	3	0	2	1.063e-6	1
896		min	0	3	.001	2	-.083	1	-3.02e-4	1	0	1	-5.183e-5	2
897	N449	max	.012	2	.005	1	-.059	3	-2.09e-4	3	0	2	2.559e-7	1
898		min	0	3	0	2	-.083	1	-3.045e-4	1	0	1	-5.23e-5	2
899	N450	max	.012	2	.002	1	-.059	3	-2.092e-4	3	0	2	-7.043e-8	1
900		min	0	3	-.003	2	-.083	1	-3.049e-4	1	0	1	-5.265e-5	2
901	N451	max	.012	2	0	3	-.059	3	-2.091e-4	3	0	2	-2.954e-7	3
902		min	0	3	-.005	2	-.083	1	-3.048e-4	1	0	1	-5.288e-5	2
903	N452	max	.012	2	-.002	3	-.059	3	-2.086e-4	3	0	2	-4.948e-7	3
904		min	0	3	-.007	2	-.083	1	-3.042e-4	1	0	1	-5.314e-5	2
905	N453	max	.012	2	-.003	3	-.059	3	-2.088e-4	3	0	2	-6.578e-7	3
906		min	0	3	-.009	2	-.083	1	-3.041e-4	1	0	1	-5.329e-5	2
907	N454	max	.012	2	-.005	3	-.059	3	-2.053e-4	3	0	2	-1.6e-6	3
908		min	0	3	-.011	2	-.083	1	-2.978e-4	1	0	1	-5.495e-5	2
909	N455	max	.012	2	-.007	3	-.059	3	-2.118e-4	3	0	2	8.432e-7	1
910		min	0	3	-.013	2	-.083	1	-3.093e-4	1	0	1	-5.123e-5	2
911	N456	max	.012	2	-.008	3	-.059	3	-2.1e-4	3	0	2	-6.949e-7	3
912		min	0	3	-.014	2	-.083	1	-3.061e-4	1	0	1	-5.283e-5	2
913	N457	max	.012	2	-.01	3	-.059	3	-2.098e-4	3	0	2	-1.005e-6	3
914		min	0	3	-.016	2	-.083	1	-3.055e-4	1	0	1	-5.354e-5	2
915	N458	max	.012	2	-.011	3	-.059	3	-2.089e-4	3	0	2	-1.759e-6	3
916		min	0	3	-.018	2	-.083	1	-3.039e-4	1	0	1	-5.503e-5	2
917	N459	max	.012	2	-.012	3	-.059	3	-2.095e-4	3	0	2	-1.444e-6	3
918		min	0	3	-.019	2	-.083	1	-3.049e-4	1	0	1	-5.434e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
919	N460	max	.012	2	-.013	3	-.059	3	-2.098e-4	3	0	2	-1.356e-6	3
920		min	0	3	-.02	2	-.083	1	-3.054e-4	1	0	1	-5.405e-5	2
921	N461	max	.012	2	-.015	3	-.059	3	-2.1e-4	3	0	2	-1.414e-6	3
922		min	0	3	-.021	2	-.083	1	-3.058e-4	1	0	1	-5.376e-5	2
923	N462	max	.012	2	-.016	3	-.059	3	-2.098e-4	3	0	2	-1.769e-6	1
924		min	0	3	-.023	1	-.083	1	-3.062e-4	1	0	1	-5.324e-5	2
925	N463	max	.012	2	-.016	3	-.059	3	-2.103e-4	3	0	2	-1.136e-6	3
926		min	0	3	-.024	1	-.083	1	-3.064e-4	1	0	1	-5.348e-5	2
927	N464	max	.012	2	-.017	3	-.059	3	-2.108e-4	3	0	2	-3.974e-7	3
928		min	0	3	-.025	1	-.083	1	-3.066e-4	1	0	1	-5.372e-5	2
929	N465	max	.012	2	-.018	3	-.059	3	-2.107e-4	3	0	2	-8.507e-7	3
930		min	0	3	-.026	1	-.083	1	-3.068e-4	1	0	1	-5.306e-5	2
931	N466	max	.012	2	-.018	3	-.059	3	-2.108e-4	3	0	2	-8.148e-7	3
932		min	0	3	-.027	1	-.083	1	-3.07e-4	1	0	1	-5.256e-5	2
933	N467	max	.012	2	-.019	3	-.059	3	-2.109e-4	3	0	2	-2.758e-7	1
934		min	0	3	-.027	1	-.083	1	-3.072e-4	1	0	3	-5.198e-5	2
935	N468	max	.012	2	-.019	3	-.059	3	-2.11e-4	3	0	2	1.208e-6	1
936		min	0	3	-.028	1	-.083	1	-3.075e-4	1	0	3	-5.067e-5	2
937	N469	max	.012	2	-.019	3	-.059	3	-2.11e-4	3	0	2	-6.251e-7	3
938		min	0	3	-.028	1	-.083	1	-3.074e-4	1	0	3	-5.279e-5	2
939	N470	max	.012	2	-.019	3	-.059	3	-2.11e-4	3	0	2	-8.782e-7	3
940		min	0	3	-.028	1	-.083	1	-3.074e-4	1	0	3	-5.365e-5	2
941	N471	max	.012	2	-.019	3	-.059	3	-2.111e-4	3	0	2	-2.215e-6	3
942		min	0	3	-.027	1	-.083	1	-3.076e-4	1	0	3	-5.651e-5	2
943	N472	max	.012	2	-.018	3	-.059	3	-2.1e-4	3	0	2	5.888e-6	1
944		min	0	3	-.027	1	-.083	1	-3.053e-4	1	0	3	-4.59e-5	2
945	N473	max	.012	2	-.018	3	-.059	3	-2.107e-4	3	0	2	1.01e-6	1
946		min	0	3	-.026	1	-.083	1	-3.068e-4	1	0	3	-5.124e-5	2
947	N474	max	.012	2	-.017	3	-.059	3	-2.104e-4	3	0	2	1.854e-6	1
948		min	0	3	-.025	1	-.083	1	-3.064e-4	1	0	3	-5.088e-5	2
949	N475	max	.012	2	-.016	3	-.059	3	-2.105e-4	3	0	2	7.97e-7	1
950		min	0	3	-.024	1	-.083	1	-3.068e-4	1	0	3	-5.168e-5	2
951	N476	max	.012	2	-.016	3	-.059	3	-2.106e-4	3	0	2	2.973e-7	3
952		min	0	3	-.023	1	-.083	1	-3.071e-4	1	0	3	-5.198e-5	2
953	N477	max	.012	2	-.015	3	-.059	3	-2.102e-4	3	0	2	9.494e-7	1
954		min	0	3	-.021	1	-.083	1	-3.062e-4	1	0	3	-5.134e-5	2
955	N478	max	.012	2	-.013	2	-.059	3	-2.1e-4	3	0	2	9.922e-7	1
956		min	0	3	-.02	1	-.083	1	-3.059e-4	1	0	3	-4.961e-5	2
957	N479	max	.012	2	-.012	2	-.059	3	-2.095e-4	3	0	2	1.568e-6	1
958		min	0	3	-.018	1	-.083	1	-3.049e-4	1	0	3	-5.202e-5	2
959	N480	max	.012	2	-.01	2	-.059	3	-2.093e-4	3	0	2	1.598e-6	1
960		min	0	3	-.016	1	-.083	1	-3.045e-4	1	0	3	-5.138e-5	2
961	N481	max	.012	2	-.008	2	-.059	3	-2.092e-4	3	0	2	1.236e-6	1
962		min	0	3	-.014	1	-.083	1	-3.047e-4	1	0	3	-5.145e-5	2
963	N482	max	.012	2	-.006	2	-.059	3	-2.092e-4	3	0	2	8.108e-7	1
964		min	0	3	-.012	1	-.083	1	-3.049e-4	1	0	3	-5.141e-5	2
965	N483	max	.012	2	-.004	2	-.059	3	-2.09e-4	3	0	2	7.515e-7	1
966		min	0	3	-.01	1	-.083	1	-3.044e-4	1	0	3	-5.164e-5	2
967	N484	max	.012	2	-.002	2	-.059	3	-2.089e-4	3	0	2	5.461e-7	1
968		min	0	3	-.007	1	-.083	1	-3.041e-4	1	0	3	-5.19e-5	2
969	N485	max	.012	2	0	2	-.059	3	-2.089e-4	3	0	2	2.663e-7	1
970		min	0	3	-.005	1	-.083	1	-3.041e-4	1	0	3	-5.223e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
971	N486	max	.012	2	.003	2	-.059	3	-2.091e-4	3	0	2	-6.171e-8	1
972		min	0	3	-.002	1	-.083	1	-3.044e-4	1	0	3	-5.264e-5	2
973	N487	max	.012	2	.005	2	-.059	3	-2.088e-4	3	0	2	-2.846e-7	3
974		min	0	3	0	1	-.083	1	-3.04e-4	1	0	3	-5.285e-5	2
975	N488	max	.012	2	.007	2	-.059	3	-2.083e-4	3	0	2	-4.879e-7	3
976		min	0	3	.002	3	-.083	1	-3.035e-4	1	0	3	-5.313e-5	2
977	N489	max	.012	2	.009	2	-.059	3	-2.086e-4	3	0	2	-6.373e-7	3
978		min	0	3	.003	3	-.083	1	-3.039e-4	1	0	3	-5.32e-5	2
979	N490	max	.012	2	.011	2	-.059	3	-2.088e-4	3	0	2	-7.959e-7	3
980		min	0	3	.005	3	-.083	1	-3.04e-4	1	0	3	-5.331e-5	2
981	N491	max	.012	2	.013	2	-.059	3	-2.09e-4	3	0	2	-9.255e-7	3
982		min	0	3	.006	3	-.083	1	-3.044e-4	1	0	3	-5.339e-5	2
983	N492	max	.012	2	.014	2	-.059	3	-2.094e-4	3	0	2	-9.631e-7	3
984		min	0	3	.008	3	-.083	1	-3.051e-4	1	0	3	-5.322e-5	2
985	N493	max	.012	2	.016	2	-.059	3	-2.095e-4	3	0	2	-1.077e-6	3
986		min	0	3	.009	3	-.083	1	-3.05e-4	1	0	3	-5.39e-5	2
987	N494	max	.012	2	.017	2	-.059	3	-2.094e-4	3	0	2	-1.34e-6	3
988		min	0	3	.011	3	-.083	1	-3.047e-4	1	0	3	-5.455e-5	2
989	N495	max	.012	2	.019	2	-.059	3	-2.109e-4	3	0	2	-4.302e-7	3
990		min	0	3	.012	3	-.083	1	-3.065e-4	1	0	3	-5.421e-5	2
991	N496	max	.012	2	.02	2	-.059	3	-2.083e-4	3	0	2	-2.916e-6	3
992		min	0	3	.013	3	-.083	1	-3.04e-4	1	0	3	-5.352e-5	2
993	N497	max	.012	2	.021	2	-.059	3	-2.101e-4	3	0	2	-1.195e-6	3
994		min	0	3	.014	3	-.083	1	-3.061e-4	1	0	3	-5.349e-5	2
995	N498	max	.012	2	.023	1	-.059	3	-2.106e-4	3	0	2	-6.038e-7	1
996		min	0	3	.015	3	-.083	1	-3.07e-4	1	0	3	-5.256e-5	2
997	N499	max	.012	2	.024	1	-.059	3	-2.105e-4	3	0	1	-1.094e-6	3
998		min	0	3	.016	3	-.083	1	-3.067e-4	1	0	3	-5.358e-5	2
999	N500	max	.012	2	.025	1	-.059	3	-2.103e-4	3	0	1	-1.506e-6	3
1000		min	0	3	.017	3	-.083	1	-3.063e-4	1	0	3	-5.46e-5	2
1001	N501	max	.012	2	.026	1	-.059	3	-2.107e-4	3	0	1	-9.436e-7	3
1002		min	0	3	.018	3	-.083	1	-3.068e-4	1	0	3	-5.335e-5	2
1003	N502	max	.012	2	.027	1	-.059	3	-2.111e-4	3	0	1	2.724e-7	3
1004		min	0	3	.018	3	-.083	1	-3.066e-4	1	0	3	-5.288e-5	2
1005	N503	max	.012	2	.027	1	-.059	3	-2.109e-4	3	0	1	7.261e-7	1
1006		min	0	3	.019	3	-.083	1	-3.073e-4	1	0	3	-5.203e-5	2
1007	N504	max	.012	2	.027	1	-.059	3	-2.11e-4	3	0	1	5.204e-7	1
1008		min	0	3	.019	3	-.083	1	-3.074e-4	1	0	3	-5.156e-5	2
1009	N505	max	.016	2	.029	1	-.072	3	-2.267e-4	3	1.049e-8	3	-6.229e-8	3
1010		min	0	3	.02	3	-.102	1	-3.33e-4	1	-6.138e-7	2	-5.879e-5	2
1011	N506	max	.016	2	.029	1	-.072	3	-2.267e-4	3	-1.92e-7	3	2.068e-6	1
1012		min	0	1	.02	3	-.102	1	-3.329e-4	1	-8.662e-7	2	-5.697e-5	2
1013	N507	max	.016	2	.029	1	-.072	3	-2.267e-4	3	-4.057e-7	3	1.001e-6	1
1014		min	0	1	.019	3	-.102	1	-3.33e-4	1	-1.126e-6	2	-5.789e-5	2
1015	N508	max	.016	2	.028	1	-.072	3	-2.267e-4	3	-6.242e-7	3	7.457e-7	1
1016		min	0	1	.019	3	-.102	1	-3.33e-4	1	-1.391e-6	2	-5.809e-5	2
1017	N509	max	.015	2	.027	1	-.072	3	-2.266e-4	3	-8.344e-7	3	2.462e-7	1
1018		min	0	1	.018	3	-.102	1	-3.33e-4	1	-1.643e-6	2	-5.834e-5	2
1019	N510	max	.015	2	.026	1	-.071	3	-2.268e-4	3	-1.024e-6	3	-5.407e-7	3
1020		min	0	1	.018	3	-.102	1	-3.337e-4	1	-1.864e-6	2	-5.949e-5	2
1021	N511	max	.015	2	.025	1	-.071	3	-2.261e-4	3	-1.192e-6	3	8.384e-7	1
1022		min	0	1	.017	3	-.102	1	-3.321e-4	1	-2.051e-6	2	-5.79e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1023	N512	max	.015	2	.024	1	-.071	3	-2.252e-4	3	-1.348e-6	3	3.311e-6	1
1024		min	0	1	.016	3	-.101	1	-3.304e-4	1	-2.216e-6	2	-5.637e-5	2
1025	N513	max	.015	2	.022	1	-.071	3	-2.256e-4	3	-1.502e-6	3	1.551e-6	1
1026		min	0	1	.015	3	-.101	1	-3.316e-4	1	-2.373e-6	2	-5.744e-5	2
1027	N514	max	.015	2	.02	1	-.071	3	-2.256e-4	3	-1.655e-6	3	1.035e-6	1
1028		min	0	1	.014	2	-.101	1	-3.318e-4	1	-2.523e-6	2	-5.775e-5	2
1029	N515	max	.015	2	.019	1	-.071	3	-2.254e-4	3	-1.8e-6	3	8.716e-7	1
1030		min	0	1	.012	2	-.101	1	-3.317e-4	1	-2.658e-6	2	-5.78e-5	2
1031	N516	max	.015	2	.017	1	-.071	3	-2.252e-4	3	-1.928e-6	3	7.559e-7	3
1032		min	0	1	.01	2	-.101	1	-3.318e-4	1	-2.807e-6	1	-5.78e-5	2
1033	N517	max	.016	2	.014	1	-.071	3	-2.25e-4	3	-2.037e-6	3	1.156e-6	1
1034		min	0	1	.008	2	-.101	1	-3.304e-4	1	-2.957e-6	1	-5.787e-5	2
1035	N518	max	.016	2	.012	1	-.071	3	-2.25e-4	3	-2.125e-6	3	1.1e-6	1
1036		min	0	1	.006	2	-.101	1	-3.3e-4	1	-3.09e-6	1	-5.827e-5	2
1037	N519	max	.016	2	.01	1	-.071	3	-2.241e-4	3	-2.196e-6	3	2.075e-6	1
1038		min	0	1	.004	2	-.101	1	-3.27e-4	1	-3.221e-6	1	-5.782e-5	2
1039	N520	max	.016	2	.007	1	-.071	3	-2.243e-4	3	-2.255e-6	3	3.478e-7	3
1040		min	0	1	.001	2	-.101	1	-3.332e-4	1	-3.341e-6	1	-5.862e-5	2
1041	N521	max	.016	2	.005	1	-.071	3	-2.24e-4	3	-2.307e-6	3	2.99e-7	1
1042		min	0	1	0	2	-.101	1	-3.293e-4	1	-3.441e-6	1	-5.855e-5	2
1043	N522	max	.016	2	.002	1	-.071	3	-2.236e-4	3	-2.354e-6	3	6.508e-8	1
1044		min	0	1	-.003	2	-.101	1	-3.287e-4	1	-3.511e-6	1	-5.866e-5	2
1045	N523	max	.016	2	0	3	-.071	3	-2.239e-4	3	-2.393e-6	3	-2.109e-7	3
1046		min	0	3	-.005	2	-.101	1	-3.288e-4	1	-3.56e-6	1	-5.896e-5	2
1047	N524	max	.016	2	-.002	3	-.071	3	-2.247e-4	3	-2.411e-6	3	-4.18e-7	3
1048		min	0	3	-.008	2	-.101	1	-3.299e-4	1	-3.577e-6	1	-5.918e-5	2
1049	N525	max	.016	2	-.004	3	-.071	3	-2.245e-4	3	-2.388e-6	3	-6.738e-7	3
1050		min	0	3	-.01	2	-.101	1	-3.3e-4	1	-3.535e-6	1	-5.954e-5	2
1051	N526	max	.016	2	-.005	3	-.071	3	-2.299e-4	3	-2.305e-6	3	9.587e-7	1
1052		min	0	3	-.012	2	-.101	1	-3.398e-4	1	-3.399e-6	1	-5.759e-5	2
1053	N527	max	.016	2	-.007	3	-.071	3	-2.2e-4	3	-2.186e-6	3	-3.196e-6	3
1054		min	0	3	-.014	2	-.101	1	-3.221e-4	1	-3.21e-6	1	-6.397e-5	2
1055	N528	max	.016	2	-.008	3	-.071	3	-2.236e-4	3	-2.066e-6	3	-1.838e-6	3
1056		min	0	3	-.015	2	-.101	1	-3.283e-4	1	-3.021e-6	1	-6.151e-5	2
1057	N529	max	.016	2	-.01	3	-.071	3	-2.241e-4	3	-1.97e-6	3	-1.751e-6	3
1058		min	0	3	-.017	2	-.101	1	-3.293e-4	1	-2.878e-6	1	-6.089e-5	2
1059	N530	max	.016	2	-.011	3	-.071	3	-2.259e-4	3	-1.886e-6	3	-6.184e-7	1
1060		min	0	3	-.019	2	-.101	1	-3.325e-4	1	-2.757e-6	1	-5.88e-5	2
1061	N531	max	.016	2	-.013	3	-.071	3	-2.255e-4	3	-1.795e-6	3	-1.362e-6	3
1062		min	0	3	-.02	2	-.101	1	-3.318e-4	1	-2.622e-6	1	-5.982e-5	2
1063	N532	max	.016	2	-.014	3	-.071	3	-2.256e-4	3	-1.652e-6	2	-1.481e-6	3
1064		min	0	3	-.022	2	-.101	1	-3.318e-4	1	-2.45e-6	1	-6.011e-5	2
1065	N533	max	.016	2	-.015	3	-.071	3	-2.259e-4	3	-1.431e-6	2	-1.332e-6	3
1066		min	0	3	-.023	2	-.101	1	-3.32e-4	1	-2.241e-6	1	-6.035e-5	2
1067	N534	max	.016	2	-.016	3	-.071	3	-2.267e-4	3	-1.193e-6	2	-5.85e-7	3
1068		min	0	3	-.024	1	-.102	1	-3.321e-4	1	-2.001e-6	1	-6.085e-5	2
1069	N535	max	.016	2	-.017	3	-.071	3	-2.263e-4	3	-9.451e-7	2	-1.447e-6	3
1070		min	0	3	-.025	1	-.102	1	-3.324e-4	1	-1.737e-6	1	-6.015e-5	2
1071	N536	max	.016	2	-.018	3	-.071	3	-2.26e-4	3	-6.894e-7	2	-1.574e-6	1
1072		min	0	3	-.027	1	-.102	1	-3.327e-4	1	-1.458e-6	1	-5.937e-5	2
1073	N537	max	.016	2	-.019	3	-.072	3	-2.265e-4	3	-4.283e-7	2	-1.273e-6	3
1074		min	0	3	-.028	1	-.102	1	-3.328e-4	1	-1.17e-6	1	-5.985e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1075	N538	max	.016	2	-.019	3	-.072	3	-2.266e-4	3	-1.695e-7	2	-9.085e-7	3
1076		min	0	3	-.028	1	-.102	1	-3.329e-4	1	-8.834e-7	1	-6.e-5	2
1077	N539	max	.016	2	-.02	3	-.072	3	-2.267e-4	3	7.467e-8	2	-8.836e-7	3
1078		min	0	3	-.029	1	-.102	1	-3.33e-4	1	-6.079e-7	1	-6.018e-5	2
1079	N540	max	.016	2	-.02	3	-.072	3	-2.266e-4	3	2.982e-7	2	-1.544e-6	3
1080		min	0	3	-.029	1	-.102	1	-3.328e-4	1	-3.482e-7	1	-6.14e-5	2
1081	N541	max	.016	2	-.02	3	-.072	3	-2.267e-4	3	5.213e-7	2	9.46e-7	1
1082		min	0	3	-.029	1	-.102	1	-3.33e-4	1	-8.384e-8	1	-5.755e-5	2
1083	N542	max	.016	2	-.02	3	-.072	3	-2.267e-4	3	7.783e-7	2	2.686e-6	1
1084		min	0	1	-.029	1	-.102	1	-3.33e-4	1	1.611e-7	3	-5.602e-5	2
1085	N543	max	.016	2	-.02	3	-.072	3	-2.263e-4	3	1.093e-6	2	7.994e-6	1
1086		min	0	1	-.029	1	-.102	1	-3.324e-4	1	3.941e-7	3	-5.037e-5	2
1087	N544	max	.016	2	-.019	3	-.072	3	-2.279e-4	3	1.426e-6	2	-3.506e-6	3
1088		min	0	1	-.028	1	-.102	1	-3.356e-4	1	6.386e-7	3	-6.653e-5	2
1089	N545	max	.015	2	-.019	3	-.072	3	-2.266e-4	3	1.723e-6	2	3.019e-7	3
1090		min	0	1	-.028	1	-.102	1	-3.33e-4	1	8.659e-7	3	-5.811e-5	2
1091	N546	max	.015	2	-.018	3	-.071	3	-2.266e-4	3	1.941e-6	2	1.789e-8	3
1092		min	0	1	-.027	1	-.102	1	-3.331e-4	1	1.053e-6	3	-5.84e-5	2
1093	N547	max	.015	2	-.017	3	-.071	3	-2.26e-4	3	2.112e-6	2	1.503e-6	1
1094		min	0	1	-.025	1	-.102	1	-3.318e-4	1	1.212e-6	3	-5.689e-5	2
1095	N548	max	.015	2	-.016	3	-.071	3	-2.254e-4	3	2.263e-6	2	3.008e-6	1
1096		min	0	1	-.024	1	-.102	1	-3.307e-4	1	1.358e-6	3	-5.622e-5	2
1097	N549	max	.015	2	-.015	3	-.071	3	-2.255e-4	3	2.405e-6	2	1.994e-6	1
1098		min	0	1	-.022	1	-.101	1	-3.313e-4	1	1.504e-6	3	-5.7e-5	2
1099	N550	max	.015	2	-.014	2	-.071	3	-2.253e-4	3	2.531e-6	2	2.03e-6	1
1100		min	0	1	-.021	1	-.101	1	-3.31e-4	1	1.652e-6	3	-5.963e-5	2
1101	N551	max	.015	2	-.012	2	-.071	3	-2.255e-4	3	2.642e-6	2	1.065e-6	1
1102		min	0	1	-.019	1	-.101	1	-3.317e-4	1	1.795e-6	3	-5.604e-5	2
1103	N552	max	.015	2	-.01	2	-.071	3	-2.253e-4	3	2.825e-6	1	8.421e-7	1
1104		min	0	1	-.017	1	-.101	1	-3.316e-4	1	1.925e-6	3	-5.744e-5	2
1105	N553	max	.016	2	-.008	2	-.071	3	-2.25e-4	3	2.993e-6	1	1.028e-6	1
1106		min	0	1	-.015	1	-.101	1	-3.308e-4	1	2.037e-6	3	-5.764e-5	2
1107	N554	max	.016	2	-.006	2	-.071	3	-2.246e-4	3	3.132e-6	1	1.239e-6	1
1108		min	0	1	-.012	1	-.101	1	-3.299e-4	1	2.13e-6	3	-5.816e-5	2
1109	N555	max	.016	2	-.004	2	-.071	3	-2.246e-4	3	3.247e-6	1	8.171e-7	1
1110		min	0	1	-.01	1	-.101	1	-3.302e-4	1	2.206e-6	3	-5.834e-5	2
1111	N556	max	.016	2	-.002	2	-.071	3	-2.245e-4	3	3.341e-6	1	5.319e-7	1
1112		min	0	1	-.008	1	-.101	1	-3.302e-4	1	2.267e-6	3	-5.853e-5	2
1113	N557	max	.016	2	0	2	-.071	3	-2.243e-4	3	3.413e-6	1	2.931e-7	1
1114		min	0	1	-.005	1	-.101	1	-3.299e-4	1	2.312e-6	3	-5.865e-5	2
1115	N558	max	.016	2	.003	2	-.071	3	-2.238e-4	3	3.462e-6	1	8.753e-8	1
1116		min	0	1	-.003	1	-.101	1	-3.293e-4	1	2.345e-6	3	-5.866e-5	2
1117	N559	max	.016	2	.005	2	-.071	3	-2.243e-4	3	3.486e-6	1	-1.841e-7	3
1118		min	0	3	0	1	-.101	1	-3.299e-4	1	2.362e-6	3	-5.894e-5	2
1119	N560	max	.016	2	.007	2	-.071	3	-2.25e-4	3	3.477e-6	1	-3.864e-7	3
1120		min	0	3	.002	3	-.101	1	-3.307e-4	1	2.357e-6	3	-5.915e-5	2
1121	N561	max	.016	2	.009	2	-.071	3	-2.246e-4	3	3.429e-6	1	-6.505e-7	3
1122		min	0	3	.003	3	-.101	1	-3.303e-4	1	2.326e-6	3	-5.961e-5	2
1123	N562	max	.016	2	.011	2	-.071	3	-2.246e-4	3	3.341e-6	1	-8.745e-7	3
1124		min	0	3	.005	3	-.101	1	-3.303e-4	1	2.267e-6	3	-5.996e-5	2
1125	N563	max	.016	2	.013	2	-.071	3	-2.246e-4	3	3.225e-6	1	-1.102e-6	3
1126		min	0	3	.007	3	-.101	1	-3.301e-4	1	2.187e-6	3	-6.029e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1127	N564	max	.016	2	.015	2	-.071	3	-2.243e-4	3	3.093e-6	1	-1.401e-6	3
1128		min	0	3	.008	3	-.101	1	-3.296e-4	1	2.096e-6	3	-6.091e-5	2
1129	N565	max	.016	2	.017	2	-.071	3	-2.245e-4	3	2.953e-6	1	-1.519e-6	3
1130		min	0	3	.01	3	-.101	1	-3.302e-4	1	2.002e-6	3	-6.015e-5	2
1131	N566	max	.016	2	.019	2	-.071	3	-2.252e-4	3	2.805e-6	1	-1.263e-6	3
1132		min	0	3	.011	3	-.101	1	-3.314e-4	1	1.907e-6	3	-5.938e-5	2
1133	N567	max	.016	2	.02	2	-.071	3	-2.233e-4	3	2.646e-6	1	-2.892e-6	3
1134		min	0	3	.013	3	-.101	1	-3.291e-4	1	1.81e-6	3	-5.99e-5	2
1135	N568	max	.016	2	.021	2	-.071	3	-2.278e-4	3	2.46e-6	1	9.49e-7	3
1136		min	0	3	.014	3	-.101	1	-3.339e-4	1	1.643e-6	2	-6.09e-5	2
1137	N569	max	.016	2	.022	2	-.071	3	-2.257e-4	3	2.248e-6	1	-1.591e-6	3
1138		min	0	3	.015	3	-.101	1	-3.315e-4	1	1.4e-6	2	-6.077e-5	2
1139	N570	max	.016	2	.024	1	-.071	3	-2.255e-4	3	2.014e-6	1	-2.101e-6	3
1140		min	0	3	.016	3	-.102	1	-3.308e-4	1	1.169e-6	2	-6.185e-5	2
1141	N571	max	.016	2	.025	1	-.071	3	-2.261e-4	3	1.772e-6	1	-1.438e-6	3
1142		min	0	3	.017	3	-.102	1	-3.319e-4	1	9.48e-7	2	-5.993e-5	2
1143	N572	max	.016	2	.026	1	-.071	3	-2.266e-4	3	1.515e-6	1	-8.462e-8	1
1144		min	0	3	.018	3	-.102	1	-3.332e-4	1	7.19e-7	2	-5.796e-5	2
1145	N573	max	.016	2	.027	1	-.072	3	-2.265e-4	3	1.229e-6	1	-1.107e-6	3
1146		min	0	3	.019	3	-.102	1	-3.329e-4	1	4.658e-7	2	-5.927e-5	2
1147	N574	max	.016	2	.028	1	-.072	3	-2.261e-4	3	9.094e-7	1	6.552e-7	1
1148		min	0	3	.019	3	-.102	1	-3.336e-4	1	1.885e-7	2	-5.939e-5	2
1149	N575	max	.016	2	.029	1	-.072	3	-2.267e-4	3	5.802e-7	1	-4.732e-8	3
1150		min	0	3	.019	3	-.102	1	-3.328e-4	1	-9.325e-8	2	-6.013e-5	2
1151	N576	max	.016	2	.029	1	-.072	3	-2.267e-4	3	2.658e-7	1	-7.028e-7	3
1152		min	0	3	.02	3	-.102	1	-3.329e-4	1	-3.619e-7	2	-6.018e-5	2
1153	N577	max	.019	2	.03	1	-.084	3	-2.118e-4	3	0	3	-1.946e-7	1
1154		min	0	3	.02	3	-.12	1	-3.154e-4	1	0	1	-5.814e-5	2
1155	N578	max	.019	2	.03	1	-.084	3	-2.118e-4	3	0	3	-1.281e-6	3
1156		min	0	3	.02	3	-.12	1	-3.154e-4	1	0	1	-6.02e-5	2
1157	N579	max	.019	2	.03	1	-.084	3	-2.117e-4	3	0	3	-5.76e-7	3
1158		min	0	3	.02	3	-.12	1	-3.151e-4	1	0	1	-5.862e-5	2
1159	N580	max	.019	2	.029	1	-.084	3	-2.116e-4	3	0	3	-3.243e-7	3
1160		min	0	3	.02	3	-.12	1	-3.15e-4	1	0	1	-5.806e-5	2
1161	N581	max	.019	2	.028	1	-.084	3	-2.115e-4	3	0	3	3.387e-7	1
1162		min	0	3	.019	3	-.12	1	-3.147e-4	1	0	1	-5.748e-5	2
1163	N582	max	.019	2	.027	1	-.084	3	-2.111e-4	3	0	3	3.345e-6	1
1164		min	0	3	.018	3	-.12	1	-3.135e-4	1	0	1	-5.572e-5	2
1165	N583	max	.019	2	.026	1	-.084	3	-2.119e-4	3	0	3	2.915e-7	1
1166		min	0	3	.017	3	-.12	1	-3.153e-4	1	0	1	-5.767e-5	2
1167	N584	max	.019	2	.025	1	-.084	3	-2.128e-4	3	0	3	-1.683e-6	3
1168		min	0	3	.017	3	-.12	1	-3.171e-4	1	0	1	-5.968e-5	2
1169	N585	max	.019	2	.023	1	-.084	3	-2.12e-4	3	0	3	-3.513e-7	1
1170		min	0	3	.015	3	-.12	1	-3.15e-4	1	0	1	-5.827e-5	2
1171	N586	max	.019	2	.021	1	-.084	3	-2.118e-4	3	0	3	3.553e-7	1
1172		min	0	3	.014	2	-.12	1	-3.143e-4	1	0	1	-5.796e-5	2
1173	N587	max	.019	2	.019	1	-.084	3	-2.118e-4	3	0	2	5.078e-7	1
1174		min	0	3	.012	2	-.12	1	-3.141e-4	1	0	1	-5.805e-5	2
1175	N588	max	.019	2	.017	1	-.084	3	-2.118e-4	3	0	2	8.142e-7	1
1176		min	0	3	.01	2	-.12	1	-3.136e-4	1	0	1	-5.829e-5	2
1177	N589	max	.019	2	.015	1	-.084	3	-2.12e-4	3	0	2	-2.667e-7	1
1178		min	0	3	.008	2	-.12	1	-3.153e-4	1	0	1	-5.85e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1179	N590	max	.019	2	.013	1	-.084	3	-2.117e-4	3	0	2	-2.493e-7	3
1180		min	0	3	.006	2	-.12	1	-3.152e-4	1	0	1	-5.825e-5	2
1181	N591	max	.019	2	.01	1	-.084	3	-2.129e-4	3	0	2	-6.55e-7	3
1182		min	0	3	.003	2	-.12	1	-3.202e-4	1	0	1	-5.939e-5	2
1183	N592	max	.019	2	.008	1	-.084	3	-2.125e-4	3	0	2	6.661e-7	1
1184		min	0	3	.001	2	-.12	1	-3.106e-4	1	0	1	-5.852e-5	2
1185	N593	max	.019	2	.005	1	-.084	3	-2.129e-4	3	0	2	-4.943e-7	1
1186		min	0	3	-.001	2	-.12	1	-3.161e-4	1	0	1	-5.9e-5	2
1187	N594	max	.019	2	.002	1	-.084	3	-2.133e-4	3	0	2	-4.938e-7	3
1188		min	0	3	-.003	2	-.12	1	-3.168e-4	1	0	1	-5.919e-5	2
1189	N595	max	.019	2	0	3	-.084	3	-2.128e-4	3	0	2	-4.268e-7	3
1190		min	0	3	-.006	2	-.12	1	-3.167e-4	1	0	1	-5.917e-5	2
1191	N596	max	.019	2	-.002	3	-.084	3	-2.118e-4	3	0	2	-3.634e-7	3
1192		min	0	3	-.008	2	-.12	1	-3.151e-4	1	0	1	-5.914e-5	2
1193	N597	max	.019	2	-.004	3	-.084	3	-2.122e-4	3	0	2	-2.096e-7	3
1194		min	0	3	-.01	2	-.12	1	-3.153e-4	1	0	1	-5.886e-5	2
1195	N598	max	.019	2	-.005	3	-.084	3	-2.044e-4	3	0	2	-1.792e-6	3
1196		min	0	3	-.012	2	-.12	1	-3.013e-4	1	0	1	-6.192e-5	2
1197	N599	max	.019	2	-.007	3	-.084	3	-2.197e-4	3	0	2	5.767e-6	1
1198		min	0	3	-.014	2	-.12	1	-3.282e-4	1	0	1	-5.224e-5	2
1199	N600	max	.019	2	-.009	3	-.084	3	-2.131e-4	3	0	2	6.383e-7	1
1200		min	0	3	-.016	2	-.12	1	-3.168e-4	1	0	1	-5.741e-5	2
1201	N601	max	.019	2	-.01	3	-.084	3	-2.133e-4	3	0	2	4.688e-7	3
1202		min	0	3	-.018	2	-.12	1	-3.167e-4	1	0	1	-5.801e-5	2
1203	N602	max	.019	2	-.012	3	-.084	3	-2.109e-4	3	0	2	-9.376e-7	3
1204		min	0	3	-.02	2	-.12	1	-3.126e-4	1	0	1	-6.097e-5	2
1205	N603	max	.019	2	-.013	3	-.084	3	-2.118e-4	3	0	2	-2.326e-7	3
1206		min	0	3	-.021	2	-.12	1	-3.14e-4	1	0	1	-5.955e-5	2
1207	N604	max	.019	2	-.015	3	-.084	3	-2.118e-4	3	0	2	-1.071e-7	3
1208		min	0	3	-.022	2	-.12	1	-3.144e-4	1	0	1	-5.91e-5	2
1209	N605	max	.019	2	-.016	3	-.084	3	-2.116e-4	3	0	2	-2.725e-7	3
1210		min	0	3	-.024	2	-.12	1	-3.146e-4	1	0	1	-5.861e-5	2
1211	N606	max	.019	2	-.017	3	-.084	3	-2.108e-4	3	0	2	-5.167e-7	1
1212		min	0	3	-.025	1	-.12	1	-3.148e-4	1	0	3	-5.769e-5	2
1213	N607	max	.019	2	-.018	3	-.084	3	-2.115e-4	3	0	2	5.753e-8	3
1214		min	0	3	-.026	1	-.12	1	-3.149e-4	1	0	3	-5.834e-5	2
1215	N608	max	.019	2	-.019	3	-.084	3	-2.122e-4	3	0	2	1.264e-6	3
1216		min	0	3	-.028	1	-.12	1	-3.149e-4	1	0	3	-5.899e-5	2
1217	N609	max	.019	2	-.019	3	-.084	3	-2.117e-4	3	0	2	8.203e-8	3
1218		min	0	3	-.029	1	-.12	1	-3.15e-4	1	0	3	-5.795e-5	2
1219	N610	max	.019	2	-.02	3	-.084	3	-2.116e-4	3	0	2	1.163e-7	1
1220		min	0	3	-.029	1	-.12	1	-3.151e-4	1	0	3	-5.737e-5	2
1221	N611	max	.019	2	-.02	3	-.084	3	-2.117e-4	3	0	2	7.452e-7	1
1222		min	0	3	-.03	1	-.12	1	-3.152e-4	1	0	3	-5.677e-5	2
1223	N612	max	.019	2	-.02	3	-.084	3	-2.118e-4	3	0	2	3.134e-6	1
1224		min	0	3	-.03	1	-.12	1	-3.155e-4	1	0	3	-5.47e-5	2
1225	N613	max	.019	2	-.02	3	-.084	3	-2.118e-4	3	0	2	-1.354e-6	3
1226		min	0	3	-.03	1	-.12	1	-3.154e-4	1	0	3	-5.973e-5	2
1227	N614	max	.019	2	-.02	3	-.084	3	-2.117e-4	3	0	2	-1.594e-6	3
1228		min	0	3	-.03	1	-.12	1	-3.151e-4	1	0	3	-6.056e-5	2
1229	N615	max	.019	2	-.02	3	-.084	3	-2.122e-4	3	0	2	-6.743e-6	3
1230		min	0	3	-.03	1	-.12	1	-3.161e-4	1	0	3	-7.117e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1231	N616	max	.019	2	-.02	3	-.084	3	-2.098e-4	3	0	2	1.124e-5	1
1232		min	0	3	-.029	1	-.12	1	-3.112e-4	1	0	3	-4.632e-5	2
1233	N617	max	.019	2	-.019	3	-.084	3	-2.116e-4	3	0	2	1.365e-7	1
1234		min	0	3	-.028	1	-.12	1	-3.148e-4	1	0	3	-5.83e-5	2
1235	N618	max	.019	2	-.019	3	-.084	3	-2.114e-4	3	0	2	1.686e-6	1
1236		min	0	3	-.027	1	-.12	1	-3.143e-4	1	0	3	-5.756e-5	2
1237	N619	max	.019	2	-.018	3	-.084	3	-2.121e-4	3	0	2	-8.302e-7	3
1238		min	0	3	-.026	1	-.12	1	-3.159e-4	1	0	3	-5.954e-5	2
1239	N620	max	.019	2	-.017	3	-.084	3	-2.126e-4	3	0	2	-1.618e-6	3
1240		min	0	3	-.025	1	-.12	1	-3.17e-4	1	0	3	-6.036e-5	2
1241	N621	max	.019	2	-.016	3	-.084	3	-2.122e-4	3	0	2	-1.041e-6	3
1242		min	0	3	-.023	1	-.12	1	-3.158e-4	1	0	3	-5.934e-5	2
1243	N622	max	.019	2	-.014	2	-.084	3	-2.122e-4	3	0	2	-1.06e-6	3
1244		min	0	3	-.021	1	-.12	1	-3.158e-4	1	0	3	-5.559e-5	2
1245	N623	max	.019	2	-.012	2	-.084	3	-2.117e-4	3	0	2	1.016e-8	1
1246		min	0	3	-.02	1	-.12	1	-3.143e-4	1	0	3	-6.107e-5	2
1247	N624	max	.019	2	-.01	2	-.084	3	-2.117e-4	3	0	2	1.323e-7	1
1248		min	0	3	-.017	1	-.12	1	-3.142e-4	1	0	3	-5.87e-5	2
1249	N625	max	.019	2	-.008	2	-.084	3	-2.12e-4	3	0	2	-1.898e-7	1
1250		min	0	3	-.015	1	-.12	1	-3.148e-4	1	0	3	-5.882e-5	2
1251	N626	max	.019	2	-.006	2	-.084	3	-2.123e-4	3	0	2	-6.791e-7	3
1252		min	0	3	-.013	1	-.12	1	-3.156e-4	1	0	3	-5.836e-5	2
1253	N627	max	.019	2	-.004	2	-.084	3	-2.121e-4	3	0	2	-4.202e-7	1
1254		min	0	3	-.01	1	-.12	1	-3.149e-4	1	0	3	-5.845e-5	2
1255	N628	max	.019	2	-.001	2	-.084	3	-2.12e-4	3	0	2	-3.71e-7	1
1256		min	0	3	-.008	1	-.12	1	-3.146e-4	1	0	3	-5.855e-5	2
1257	N629	max	.019	2	0	2	-.084	3	-2.122e-4	3	0	2	-4.203e-7	1
1258		min	0	3	-.005	1	-.12	1	-3.148e-4	1	0	3	-5.878e-5	2
1259	N630	max	.019	2	.003	2	-.084	3	-2.128e-4	3	0	2	-5.308e-7	3
1260		min	0	3	-.003	1	-.12	1	-3.155e-4	1	0	3	-5.917e-5	2
1261	N631	max	.019	2	.005	2	-.084	3	-2.121e-4	3	0	2	-4.959e-7	3
1262		min	0	3	0	1	-.12	1	-3.146e-4	1	0	3	-5.924e-5	2
1263	N632	max	.019	2	.008	2	-.084	3	-2.113e-4	3	0	2	-4.502e-7	3
1264		min	0	3	.002	3	-.12	1	-3.136e-4	1	0	3	-5.922e-5	2
1265	N633	max	.019	2	.01	2	-.084	3	-2.117e-4	3	0	2	-3.28e-7	3
1266		min	0	3	.003	3	-.12	1	-3.142e-4	1	0	3	-5.887e-5	2
1267	N634	max	.019	2	.012	2	-.084	3	-2.119e-4	3	0	2	-2.55e-7	3
1268		min	0	3	.005	3	-.12	1	-3.144e-4	1	0	3	-5.867e-5	2
1269	N635	max	.019	2	.014	2	-.084	3	-2.121e-4	3	0	2	-1.589e-7	3
1270		min	0	3	.007	3	-.12	1	-3.148e-4	1	0	3	-5.844e-5	2
1271	N636	max	.019	2	.016	2	-.084	3	-2.125e-4	3	0	2	4.403e-8	3
1272		min	0	3	.009	3	-.12	1	-3.159e-4	1	0	3	-5.779e-5	2
1273	N637	max	.019	2	.018	2	-.084	3	-2.126e-4	3	0	2	6.524e-8	3
1274		min	0	3	.01	3	-.12	1	-3.155e-4	1	0	3	-5.896e-5	2
1275	N638	max	.019	2	.019	2	-.084	3	-2.116e-4	3	0	2	-5.548e-7	3
1276		min	0	3	.012	3	-.12	1	-3.14e-4	1	0	3	-5.996e-5	2
1277	N639	max	.019	2	.021	2	-.084	3	-2.153e-4	3	0	2	2.225e-6	3
1278		min	0	3	.013	3	-.12	1	-3.185e-4	1	0	3	-5.937e-5	2
1279	N640	max	.019	2	.022	2	-.084	3	-2.086e-4	3	0	2	-3.588e-6	3
1280		min	0	3	.014	3	-.12	1	-3.116e-4	1	0	3	-5.785e-5	2
1281	N641	max	.019	2	.023	2	-.084	3	-2.119e-4	3	0	2	2.252e-7	1
1282		min	0	3	.015	3	-.12	1	-3.155e-4	1	0	3	-5.797e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1283	N642	max	.019	2	.025	1	-.084	3	-2.124e-4	3	0	2	1.827e-6	1
1284		min	0	3	.017	3	-.12	1	-3.167e-4	1	0	3	-5.636e-5	2
1285	N643	max	.019	2	.026	1	-.084	3	-2.119e-4	3	0	2	2.03e-8	3
1286		min	0	3	.018	3	-.12	1	-3.157e-4	1	0	3	-5.873e-5	2
1287	N644	max	.019	2	.027	1	-.084	3	-2.114e-4	3	0	2	-9.122e-7	3
1288		min	0	3	.018	3	-.12	1	-3.143e-4	1	0	3	-6.106e-5	2
1289	N645	max	.019	2	.028	1	-.084	3	-2.117e-4	3	0	1	-8.565e-8	3
1290		min	0	3	.019	3	-.12	1	-3.149e-4	1	0	3	-5.897e-5	2
1291	N646	max	.019	2	.029	1	-.084	3	-2.124e-4	3	0	1	2.112e-6	3
1292		min	0	3	.02	3	-.12	1	-3.141e-4	1	0	3	-5.852e-5	2
1293	N647	max	.019	2	.03	1	-.084	3	-2.117e-4	3	0	1	3.543e-6	1
1294		min	0	3	.02	3	-.12	1	-3.155e-4	1	0	3	-5.699e-5	2
1295	N648	max	.019	2	.03	1	-.084	3	-2.118e-4	3	0	1	1.4e-6	1
1296		min	0	3	.02	3	-.12	1	-3.153e-4	1	0	3	-5.672e-5	2
1297	N649	max	.022	2	.031	1	-.096	3	-2.235e-4	3	8.585e-8	3	1.702e-7	3
1298		min	0	3	.02	3	-.139	1	-3.343e-4	1	-5.202e-7	2	-6.362e-5	2
1299	N650	max	.022	2	.031	1	-.096	3	-2.236e-4	3	-1.671e-7	3	3.009e-6	1
1300		min	0	3	.02	3	-.139	1	-3.344e-4	1	-7.918e-7	2	-6.07e-5	2
1301	N651	max	.022	2	.03	1	-.096	3	-2.236e-4	3	-4.441e-7	3	1.733e-6	1
1302		min	0	1	.02	3	-.139	1	-3.346e-4	1	-1.079e-6	2	-6.173e-5	2
1303	N652	max	.022	2	.03	1	-.096	3	-2.234e-4	3	-7.334e-7	3	1.735e-6	1
1304		min	0	1	.02	3	-.139	1	-3.344e-4	1	-1.383e-6	2	-6.171e-5	2
1305	N653	max	.022	2	.029	1	-.096	3	-2.231e-4	3	-1.004e-6	3	1.628e-6	3
1306		min	0	1	.019	3	-.139	1	-3.341e-4	1	-1.665e-6	2	-6.177e-5	2
1307	N654	max	.022	2	.028	1	-.096	3	-2.231e-4	3	-1.23e-6	3	7.988e-7	3
1308		min	0	1	.019	3	-.139	1	-3.346e-4	1	-1.884e-6	2	-6.316e-5	2
1309	N655	max	.022	2	.026	1	-.096	3	-2.215e-4	3	-1.417e-6	3	2.707e-6	1
1310		min	0	1	.018	3	-.139	1	-3.316e-4	1	-2.05e-6	2	-6.076e-5	2
1311	N656	max	.022	2	.025	1	-.096	3	-2.202e-4	3	-1.586e-6	3	6.803e-6	1
1312		min	0	1	.017	3	-.139	1	-3.292e-4	1	-2.189e-6	2	-5.817e-5	2
1313	N657	max	.022	2	.023	1	-.096	3	-2.204e-4	3	-1.759e-6	3	4.653e-6	1
1314		min	0	1	.016	3	-.139	1	-3.305e-4	1	-2.334e-6	2	-5.942e-5	2
1315	N658	max	.022	2	.022	1	-.096	3	-2.2e-4	3	-1.95e-6	3	4.13e-6	1
1316		min	0	1	.014	2	-.138	1	-3.304e-4	1	-2.509e-6	2	-5.97e-5	2
1317	N659	max	.022	2	.02	1	-.096	3	-2.195e-4	3	-2.148e-6	3	3.925e-6	1
1318		min	0	1	.012	2	-.138	1	-3.298e-4	1	-2.702e-6	2	-5.977e-5	2
1319	N660	max	.022	2	.017	1	-.096	3	-2.189e-4	3	-2.335e-6	3	3.27e-6	1
1320		min	0	1	.01	2	-.138	1	-3.297e-4	1	-2.899e-6	2	-5.985e-5	2
1321	N661	max	.022	2	.015	1	-.096	3	-2.182e-4	3	-2.503e-6	3	4.086e-6	1
1322		min	0	1	.008	2	-.138	1	-3.271e-4	1	-3.142e-6	1	-6.e-5	2
1323	N662	max	.022	2	.013	1	-.096	3	-2.182e-4	3	-2.646e-6	3	3.072e-6	1
1324		min	0	1	.006	2	-.138	1	-3.281e-4	1	-3.422e-6	1	-6.105e-5	2
1325	N663	max	.022	2	.01	1	-.096	3	-2.161e-4	3	-2.774e-6	3	6.71e-6	1
1326		min	0	1	.003	2	-.138	1	-3.182e-4	1	-3.74e-6	1	-5.985e-5	2
1327	N664	max	.022	2	.008	1	-.096	3	-2.168e-4	3	-2.893e-6	3	1.45e-6	3
1328		min	0	1	.001	2	-.138	1	-3.327e-4	1	-4.083e-6	1	-6.207e-5	2
1329	N665	max	.022	2	.005	1	-.096	3	-2.162e-4	3	-3.008e-6	3	1.284e-6	1
1330		min	0	1	-.001	2	-.138	1	-3.259e-4	1	-4.405e-6	1	-6.223e-5	2
1331	N666	max	.022	2	.002	1	-.096	3	-2.158e-4	3	-3.115e-6	3	3.964e-7	1
1332		min	0	3	-.004	2	-.138	1	-3.257e-4	1	-4.633e-6	1	-6.276e-5	2
1333	N667	max	.023	2	0	3	-.096	3	-2.162e-4	3	-3.192e-6	3	-3.864e-7	3
1334		min	0	3	-.006	2	-.138	1	-3.258e-4	1	-4.757e-6	1	-6.337e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1335	N668	max	.023	2	-.002	3	-.096	3	-2.175e-4	3	-3.207e-6	3	-1.147e-6	3
1336		min	0	3	-.008	2	-.138	1	-3.278e-4	1	-4.741e-6	1	-6.431e-5	2
1337	N669	max	.023	2	-.004	3	-.096	3	-2.167e-4	3	-3.122e-6	3	-2.072e-6	3
1338		min	0	3	-.01	2	-.138	1	-3.265e-4	1	-4.538e-6	1	-6.559e-5	2
1339	N670	max	.023	2	-.006	3	-.096	3	-2.266e-4	3	-2.902e-6	3	9.528e-8	1
1340		min	0	3	-.013	2	-.138	1	-3.441e-4	1	-4.093e-6	1	-6.261e-5	2
1341	N671	max	.023	2	-.007	3	-.096	3	-2.042e-4	3	-2.653e-6	3	-9.437e-6	3
1342		min	0	3	-.015	2	-.138	1	-3.043e-4	1	-3.599e-6	1	-7.845e-5	2
1343	N672	max	.023	2	-.009	3	-.096	3	-2.179e-4	3	-2.401e-6	2	-3.82e-6	3
1344		min	0	3	-.017	2	-.138	1	-3.278e-4	1	-3.197e-6	1	-6.791e-5	2
1345	N673	max	.023	2	-.01	3	-.096	3	-2.165e-4	3	-2.123e-6	2	-4.826e-6	3
1346		min	0	3	-.018	2	-.138	1	-3.251e-4	1	-2.941e-6	1	-6.894e-5	2
1347	N674	max	.023	2	-.012	3	-.096	3	-2.201e-4	3	-1.975e-6	2	-3.359e-6	3
1348		min	0	3	-.02	2	-.138	1	-3.31e-4	1	-2.801e-6	1	-6.571e-5	2
1349	N675	max	.023	2	-.013	3	-.096	3	-2.198e-4	3	-1.879e-6	2	-4.254e-6	3
1350		min	0	3	-.022	2	-.138	1	-3.303e-4	1	-2.706e-6	1	-6.738e-5	2
1351	N676	max	.023	2	-.015	3	-.096	3	-2.205e-4	3	-1.76e-6	2	-4.305e-6	3
1352		min	0	3	-.023	2	-.139	1	-3.31e-4	1	-2.582e-6	1	-6.76e-5	2
1353	N677	max	.023	2	-.016	3	-.096	3	-2.214e-4	3	-1.611e-6	2	-4.056e-6	3
1354		min	0	3	-.024	2	-.139	1	-3.316e-4	1	-2.413e-6	1	-6.778e-5	2
1355	N678	max	.023	2	-.017	3	-.096	3	-2.229e-4	3	-1.448e-6	2	-2.945e-6	3
1356		min	0	3	-.025	1	-.139	1	-3.323e-4	1	-2.202e-6	1	-6.826e-5	2
1357	N679	max	.023	2	-.018	3	-.096	3	-2.229e-4	3	-1.273e-6	2	-4.157e-6	3
1358		min	0	3	-.027	1	-.139	1	-3.331e-4	1	-1.958e-6	1	-6.696e-5	2
1359	N680	max	.023	2	-.019	3	-.096	3	-2.225e-4	3	-1.084e-6	2	-3.939e-6	1
1360		min	0	3	-.028	1	-.139	1	-3.338e-4	1	-1.692e-6	1	-6.563e-5	2
1361	N681	max	.023	2	-.02	3	-.096	3	-2.233e-4	3	-8.806e-7	2	-3.393e-6	3
1362		min	0	3	-.029	1	-.139	1	-3.344e-4	1	-1.418e-6	1	-6.599e-5	2
1363	N682	max	.023	2	-.02	3	-.096	3	-2.238e-4	3	-6.489e-7	3	-2.578e-6	3
1364		min	0	3	-.03	1	-.139	1	-3.348e-4	1	-1.151e-6	1	-6.58e-5	2
1365	N683	max	.023	2	-.02	3	-.096	3	-2.24e-4	3	-4.546e-7	3	-2.028e-6	3
1366		min	0	3	-.03	1	-.139	1	-3.351e-4	1	-9.056e-7	1	-6.549e-5	2
1367	N684	max	.023	2	-.021	3	-.097	3	-2.24e-4	3	-2.506e-7	2	-2.592e-6	3
1368		min	0	3	-.031	1	-.139	1	-3.349e-4	1	-6.821e-7	1	-6.703e-5	2
1369	N685	max	.022	2	-.021	3	-.097	3	-2.24e-4	3	1.198e-8	2	2.708e-6	1
1370		min	0	3	-.031	1	-.139	1	-3.349e-4	1	-4.107e-7	1	-6.03e-5	2
1371	N686	max	.022	2	-.021	3	-.097	3	-2.243e-4	3	3.983e-7	2	1.576e-6	1
1372		min	0	3	-.031	1	-.139	1	-3.357e-4	1	-2.269e-8	1	-6.198e-5	2
1373	N687	max	.022	2	-.02	3	-.097	3	-2.232e-4	3	9.376e-7	2	2.332e-5	1
1374		min	0	1	-.03	1	-.139	1	-3.337e-4	1	4.38e-7	3	-3.942e-5	2
1375	N688	max	.022	2	-.02	3	-.096	3	-2.261e-4	3	1.585e-6	2	-5.095e-6	3
1376		min	0	1	-.03	1	-.139	1	-3.399e-4	1	8.052e-7	3	-7.629e-5	2
1377	N689	max	.022	2	-.019	3	-.096	3	-2.235e-4	3	2.203e-6	2	2.164e-6	1
1378		min	0	1	-.029	1	-.139	1	-3.348e-4	1	1.167e-6	3	-6.114e-5	2
1379	N690	max	.022	2	-.019	3	-.096	3	-2.234e-4	3	2.607e-6	2	1.362e-6	3
1380		min	0	1	-.028	1	-.139	1	-3.35e-4	1	1.437e-6	3	-6.265e-5	2
1381	N691	max	.022	2	-.018	3	-.096	3	-2.22e-4	3	2.848e-6	2	3.392e-6	1
1382		min	0	1	-.027	1	-.139	1	-3.324e-4	1	1.64e-6	3	-6.018e-5	2
1383	N692	max	.022	2	-.017	3	-.096	3	-2.21e-4	3	2.974e-6	2	5.931e-6	1
1384		min	0	1	-.025	1	-.139	1	-3.306e-4	1	1.806e-6	3	-5.899e-5	2
1385	N693	max	.022	2	-.016	3	-.096	3	-2.208e-4	3	3.018e-6	2	4.753e-6	1
1386		min	0	1	-.024	1	-.139	1	-3.31e-4	1	1.961e-6	3	-5.945e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1387	N694	max	.022	2	-.015	2	-.096	3	-2.2e-4	3	2.994e-6	2	5.144e-6	1
1388		min	0	1	-.022	1	-.139	1	-3.299e-4	1	2.12e-6	3	-6.38e-5	2
1389	N695	max	.022	2	-.013	2	-.096	3	-2.201e-4	3	3.151e-6	1	3.291e-6	1
1390		min	0	1	-.02	1	-.138	1	-3.312e-4	1	2.273e-6	3	-5.566e-5	2
1391	N696	max	.022	2	-.01	2	-.096	3	-2.191e-4	3	3.32e-6	1	3.428e-6	1
1392		min	0	1	-.018	1	-.138	1	-3.297e-4	1	2.409e-6	3	-6.027e-5	2
1393	N697	max	.022	2	-.008	2	-.096	3	-2.183e-4	3	3.457e-6	1	3.289e-6	1
1394		min	0	1	-.016	1	-.138	1	-3.284e-4	1	2.523e-6	3	-5.974e-5	2
1395	N698	max	.022	2	-.006	2	-.096	3	-2.174e-4	3	3.566e-6	1	3.519e-6	1
1396		min	0	1	-.013	1	-.138	1	-3.267e-4	1	2.618e-6	3	-6.069e-5	2
1397	N699	max	.022	2	-.004	2	-.096	3	-2.172e-4	3	3.657e-6	1	2.7e-6	1
1398		min	0	1	-.011	1	-.138	1	-3.269e-4	1	2.694e-6	3	-6.106e-5	2
1399	N700	max	.022	2	-.001	2	-.096	3	-2.168e-4	3	3.741e-6	1	2.013e-6	1
1400		min	0	1	-.008	1	-.138	1	-3.266e-4	1	2.759e-6	3	-6.155e-5	2
1401	N701	max	.022	2	.001	2	-.096	3	-2.164e-4	3	3.815e-6	1	1.337e-6	1
1402		min	0	1	-.005	1	-.138	1	-3.261e-4	1	2.812e-6	3	-6.198e-5	2
1403	N702	max	.022	2	.003	2	-.096	3	-2.156e-4	3	3.875e-6	1	7.152e-7	1
1404		min	0	3	-.003	1	-.138	1	-3.251e-4	1	2.855e-6	3	-6.219e-5	2
1405	N703	max	.023	2	.006	2	-.096	3	-2.163e-4	3	3.904e-6	1	3.184e-8	1
1406		min	0	3	0	1	-.138	1	-3.26e-4	1	2.878e-6	3	-6.256e-5	2
1407	N704	max	.023	2	.008	2	-.096	3	-2.172e-4	3	3.887e-6	1	-7.107e-7	3
1408		min	0	3	.002	3	-.138	1	-3.27e-4	1	2.866e-6	3	-6.352e-5	2
1409	N705	max	.023	2	.01	2	-.096	3	-2.168e-4	3	3.813e-6	1	-1.476e-6	3
1410		min	0	3	.003	3	-.138	1	-3.266e-4	1	2.811e-6	3	-6.462e-5	2
1411	N706	max	.023	2	.012	2	-.096	3	-2.168e-4	3	3.683e-6	1	-2.137e-6	3
1412		min	0	3	.005	3	-.138	1	-3.266e-4	1	2.71e-6	3	-6.544e-5	2
1413	N707	max	.023	2	.014	2	-.096	3	-2.169e-4	3	3.524e-6	1	-2.772e-6	3
1414		min	0	3	.007	3	-.138	1	-3.265e-4	1	2.581e-6	3	-6.621e-5	2
1415	N708	max	.023	2	.016	2	-.096	3	-2.168e-4	3	3.371e-6	1	-3.39e-6	3
1416		min	0	3	.009	3	-.138	1	-3.26e-4	1	2.451e-6	3	-6.73e-5	2
1417	N709	max	.023	2	.018	2	-.096	3	-2.169e-4	3	3.237e-6	1	-3.802e-6	3
1418		min	0	3	.01	3	-.138	1	-3.267e-4	1	2.337e-6	3	-6.623e-5	2
1419	N710	max	.023	2	.02	2	-.096	3	-2.195e-4	3	3.126e-6	1	-2.819e-6	3
1420		min	0	3	.012	3	-.138	1	-3.302e-4	1	2.245e-6	3	-6.576e-5	2
1421	N711	max	.023	2	.021	2	-.096	3	-2.13e-4	3	3.024e-6	1	-8.089e-6	3
1422		min	0	3	.013	3	-.138	1	-3.229e-4	1	2.168e-6	3	-6.62e-5	2
1423	N712	max	.023	2	.023	2	-.096	3	-2.238e-4	3	2.903e-6	1	3.583e-7	3
1424		min	0	3	.014	3	-.138	1	-3.344e-4	1	2.03e-6	2	-6.83e-5	2
1425	N713	max	.023	2	.024	2	-.096	3	-2.205e-4	3	2.752e-6	1	-4.138e-6	3
1426		min	0	3	.016	3	-.139	1	-3.306e-4	1	1.712e-6	2	-6.797e-5	2
1427	N714	max	.023	2	.025	1	-.096	3	-2.207e-4	3	2.545e-6	1	-4.466e-6	3
1428		min	0	3	.017	3	-.139	1	-3.303e-4	1	1.44e-6	2	-6.948e-5	2
1429	N715	max	.023	2	.027	1	-.096	3	-2.216e-4	3	2.288e-6	1	-3.452e-6	3
1430		min	0	3	.018	3	-.139	1	-3.32e-4	1	1.198e-6	2	-6.647e-5	2
1431	N716	max	.023	2	.028	1	-.096	3	-2.228e-4	3	1.973e-6	1	-1.11e-6	1
1432		min	0	3	.019	3	-.139	1	-3.343e-4	1	9.54e-7	2	-6.367e-5	2
1433	N717	max	.023	2	.029	1	-.096	3	-2.23e-4	3	1.581e-6	1	-2.66e-6	3
1434		min	0	3	.019	3	-.139	1	-3.342e-4	1	6.786e-7	2	-6.542e-5	2
1435	N718	max	.023	2	.03	1	-.096	3	-2.224e-4	3	1.101e-6	1	7.521e-7	1
1436		min	0	3	.02	3	-.139	1	-3.356e-4	1	3.578e-7	2	-6.513e-5	2
1437	N719	max	.023	2	.03	1	-.096	3	-2.235e-4	3	6.14e-7	1	7.497e-7	3
1438		min	0	3	.02	3	-.139	1	-3.341e-4	1	3.28e-8	2	-6.673e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1439	N720	max	.023	2	.031	1	-.096	3	-2.235e-4	3	3.071e-7	3	-1.588e-6	3
1440		min	0	3	.02	3	-.139	1	-3.347e-4	1	-2.598e-7	2	-6.564e-5	2
1441	N721	max	.026	2	.031	1	-.108	3	-1.887e-4	3	0	3	2.146e-7	1
1442		min	0	3	.021	3	-.157	1	-2.908e-4	1	-1.906e-8	1	-5.887e-5	2
1443	N722	max	.026	2	.031	1	-.108	3	-1.883e-4	3	0	3	-1.652e-6	3
1444		min	0	3	.021	3	-.157	1	-2.9e-4	1	-1.889e-8	1	-6.038e-5	2
1445	N723	max	.026	2	.031	1	-.108	3	-1.884e-4	3	0	3	-2.965e-6	3
1446		min	0	3	.02	3	-.157	1	-2.901e-4	1	-1.869e-8	1	-6.13e-5	2
1447	N724	max	.026	2	.03	1	-.108	3	-1.889e-4	3	0	3	-4.161e-6	3
1448		min	0	3	.02	3	-.157	1	-2.907e-4	1	-1.847e-8	1	-6.247e-5	2
1449	N725	max	.026	2	.029	1	-.108	3	-1.897e-4	3	0	3	-5.288e-6	3
1450		min	0	3	.019	3	-.156	1	-2.917e-4	1	-1.822e-8	1	-6.354e-5	2
1451	N726	max	.026	2	.028	1	-.108	3	-1.908e-4	3	0	3	-5.796e-6	1
1452		min	0	3	.019	3	-.156	1	-2.931e-4	1	-1.795e-8	1	-6.41e-5	2
1453	N727	max	.026	2	.027	1	-.108	3	-1.926e-4	3	0	3	-5.891e-6	1
1454		min	0	3	.018	3	-.156	1	-2.958e-4	1	-1.765e-8	1	-6.447e-5	2
1455	N728	max	.026	2	.025	1	-.108	3	-1.932e-4	3	0	3	-7.481e-6	3
1456		min	0	3	.017	3	-.156	1	-2.957e-4	1	-1.732e-8	1	-6.579e-5	2
1457	N729	max	.026	2	.024	1	-.108	3	-1.942e-4	3	0	3	-7.837e-6	3
1458		min	0	3	.016	3	-.156	1	-2.962e-4	1	-1.697e-8	1	-6.628e-5	2
1459	N730	max	.026	2	.022	1	-.108	3	-1.955e-4	3	0	3	-8.042e-6	3
1460		min	0	3	.014	2	-.156	1	-2.974e-4	1	-1.659e-8	1	-6.668e-5	2
1461	N731	max	.026	2	.02	1	-.108	3	-1.968e-4	3	0	3	-7.946e-6	3
1462		min	0	3	.012	2	-.156	1	-2.987e-4	1	-1.619e-8	1	-6.681e-5	2
1463	N732	max	.026	2	.018	1	-.108	3	-1.981e-4	3	0	3	-7.565e-6	3
1464		min	0	3	.01	2	-.156	1	-2.996e-4	1	-1.577e-8	1	-6.667e-5	2
1465	N733	max	.026	2	.015	1	-.108	3	-1.995e-4	3	0	3	-7.035e-6	3
1466		min	0	3	.008	2	-.156	1	-3.023e-4	1	-1.532e-8	1	-6.672e-5	2
1467	N734	max	.026	2	.013	1	-.108	3	-2.e-4	3	0	3	-4.984e-6	1
1468		min	0	3	.006	2	-.156	1	-2.978e-4	1	-1.484e-8	1	-6.517e-5	2
1469	N735	max	.026	2	.01	1	-.108	3	-2.032e-4	3	0	3	-5.744e-6	3
1470		min	0	3	.003	2	-.156	1	-3.192e-4	1	-1.435e-8	1	-6.747e-5	2
1471	N736	max	.026	2	.008	1	-.108	3	-2.017e-4	3	0	3	-3.957e-6	3
1472		min	0	3	0	2	-.156	1	-2.995e-4	1	-1.384e-8	1	-6.378e-5	2
1473	N737	max	.026	2	.005	1	-.108	3	-2.028e-4	3	0	3	-2.848e-6	3
1474		min	0	3	-.001	2	-.156	1	-3.06e-4	1	-1.33e-8	1	-6.306e-5	2
1475	N738	max	.026	2	.002	1	-.108	3	-2.03e-4	3	0	3	-1.507e-6	3
1476		min	0	3	-.004	2	-.156	1	-3.048e-4	1	-1.275e-8	1	-6.189e-5	2
1477	N739	max	.026	2	0	3	-.108	3	-2.033e-4	3	0	3	-2.703e-7	3
1478		min	0	3	-.006	2	-.156	1	-3.056e-4	1	-1.218e-8	1	-6.118e-5	2
1479	N740	max	.026	2	-.002	3	-.108	3	-2.025e-4	3	0	3	1.716e-6	1
1480		min	0	3	-.008	2	-.156	1	-3.042e-4	1	-1.159e-8	1	-5.889e-5	2
1481	N741	max	.026	2	-.004	3	-.108	3	-2.043e-4	3	0	3	4.302e-6	1
1482		min	0	3	-.011	2	-.156	1	-3.077e-4	1	-1.098e-8	1	-5.627e-5	2
1483	N742	max	.026	2	-.006	3	-.108	3	-1.95e-4	3	0	3	3.256e-6	3
1484		min	0	3	-.013	2	-.156	1	-2.917e-4	1	-1.036e-8	1	-5.761e-5	2
1485	N743	max	.026	2	-.007	3	-.108	3	-2.246e-4	3	0	3	2.633e-5	1
1486		min	0	3	-.015	2	-.156	1	-3.441e-4	1	0	1	-3.338e-5	2
1487	N744	max	.026	2	-.009	3	-.108	3	-1.933e-4	3	0	3	3.443e-6	3
1488		min	0	3	-.017	2	-.156	1	-2.9e-4	1	0	1	-5.913e-5	2
1489	N745	max	.026	2	-.011	3	-.108	3	-2.005e-4	3	0	3	8.197e-6	1
1490		min	0	3	-.019	2	-.156	1	-3.035e-4	1	0	1	-5.294e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1491	N746	max	.026	2	-.012	3	-.108	3	-1.971e-4	3	0	3	7.008e-6	1
1492		min	0	3	-.02	2	-.156	1	-2.985e-4	1	0	1	-5.402e-5	2
1493	N747	max	.026	2	-.014	3	-.108	3	-1.963e-4	3	0	3	8.157e-6	1
1494		min	0	3	-.022	2	-.156	1	-2.981e-4	1	0	1	-5.266e-5	2
1495	N748	max	.026	2	-.015	3	-.108	3	-1.948e-4	3	0	3	7.978e-6	1
1496		min	0	3	-.023	2	-.156	1	-2.966e-4	1	0	1	-5.273e-5	2
1497	N749	max	.026	2	-.016	3	-.108	3	-1.934e-4	3	0	3	7.859e-6	1
1498		min	0	3	-.024	2	-.156	1	-2.953e-4	1	0	1	-5.272e-5	2
1499	N750	max	.026	2	-.017	3	-.108	3	-1.918e-4	3	0	3	7.448e-6	1
1500		min	0	3	-.026	1	-.156	1	-2.94e-4	1	0	1	-5.293e-5	2
1501	N751	max	.026	2	-.018	3	-.108	3	-1.9e-4	3	0	2	7.202e-6	3
1502		min	0	3	-.027	1	-.156	1	-2.927e-4	1	0	1	-5.361e-5	2
1503	N752	max	.026	2	-.019	3	-.108	3	-1.895e-4	3	0	2	6.103e-6	3
1504		min	0	3	-.028	1	-.156	1	-2.915e-4	1	0	1	-5.401e-5	2
1505	N753	max	.026	2	-.02	3	-.108	3	-1.887e-4	3	0	2	4.983e-6	1
1506		min	0	3	-.029	1	-.156	1	-2.905e-4	1	0	1	-5.458e-5	2
1507	N754	max	.026	2	-.02	3	-.108	3	-1.88e-4	3	0	2	3.919e-6	1
1508		min	0	3	-.03	1	-.156	1	-2.897e-4	1	0	1	-5.538e-5	2
1509	N755	max	.026	2	-.021	3	-.108	3	-1.875e-4	3	0	2	2.346e-6	1
1510		min	0	3	-.031	1	-.156	1	-2.89e-4	1	0	1	-5.667e-5	2
1511	N756	max	.026	2	-.021	3	-.108	3	-1.874e-4	3	0	2	2.185e-6	1
1512		min	0	3	-.031	1	-.156	1	-2.889e-4	1	0	3	-5.659e-5	2
1513	N757	max	.026	2	-.021	3	-.108	3	-1.877e-4	3	0	2	-1.526e-6	3
1514		min	0	3	-.031	1	-.156	1	-2.895e-4	1	0	3	-6.144e-5	2
1515	N758	max	.026	2	-.021	3	-.108	3	-1.865e-4	3	0	2	8.997e-6	1
1516		min	0	3	-.031	1	-.156	1	-2.869e-4	1	0	3	-4.903e-5	2
1517	N759	max	.026	2	-.021	3	-.108	3	-1.889e-4	3	0	2	-2.26e-5	3
1518		min	0	3	-.031	1	-.156	1	-2.912e-4	1	0	3	-1.024e-4	2
1519	N760	max	.026	2	-.02	3	-.108	3	-1.861e-4	3	0	2	4.863e-6	1
1520		min	0	3	-.03	1	-.156	1	-2.852e-4	1	0	3	-5.29e-5	2
1521	N761	max	.026	2	-.02	3	-.108	3	-1.892e-4	3	0	2	-6.962e-6	3
1522		min	0	3	-.029	1	-.156	1	-2.908e-4	1	0	3	-6.684e-5	2
1523	N762	max	.026	2	-.019	3	-.108	3	-1.898e-4	3	0	1	-6.137e-6	1
1524		min	0	3	-.028	1	-.156	1	-2.911e-4	1	0	3	-6.417e-5	2
1525	N763	max	.026	2	-.018	3	-.108	3	-1.916e-4	3	0	1	-7.155e-6	3
1526		min	0	3	-.027	1	-.156	1	-2.939e-4	1	0	3	-6.55e-5	2
1527	N764	max	.026	2	-.017	3	-.108	3	-1.926e-4	3	0	1	-7.872e-6	3
1528		min	0	3	-.026	1	-.156	1	-2.944e-4	1	0	3	-6.589e-5	2
1529	N765	max	.026	2	-.016	3	-.108	3	-1.937e-4	3	0	1	-8.162e-6	3
1530		min	0	3	-.024	1	-.156	1	-2.954e-4	1	0	3	-6.713e-5	2
1531	N766	max	.026	2	-.015	2	-.108	3	-1.953e-4	3	0	1	-8.541e-6	3
1532		min	0	3	-.022	1	-.156	1	-2.974e-4	1	0	3	-6.372e-5	2
1533	N767	max	.026	2	-.013	2	-.108	3	-1.957e-4	3	0	1	-7.165e-6	1
1534		min	0	3	-.02	1	-.156	1	-2.963e-4	1	0	3	-7.415e-5	2
1535	N768	max	.026	2	-.011	2	-.108	3	-1.982e-4	3	0	1	-8.076e-6	3
1536		min	0	3	-.018	1	-.156	1	-3.006e-4	1	0	3	-6.412e-5	2
1537	N769	max	.026	2	-.008	2	-.108	3	-1.992e-4	3	0	1	-7.058e-6	1
1538		min	0	3	-.016	1	-.156	1	-3.014e-4	1	0	3	-6.654e-5	2
1539	N770	max	.026	2	-.006	2	-.108	3	-2.004e-4	3	1.005e-8	1	-6.52e-6	3
1540		min	0	3	-.013	1	-.156	1	-3.026e-4	1	0	3	-6.558e-5	2
1541	N771	max	.026	2	-.004	2	-.108	3	-2.013e-4	3	1.077e-8	1	-5.587e-6	3
1542		min	0	3	-.011	1	-.156	1	-3.033e-4	1	0	3	-6.511e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1543	N772	max	.026	2	-.001	2	-.108	3	-2.021e-4	3	1.147e-8	1	-4.511e-6	3
1544		min	0	3	-.008	1	-.156	1	-3.042e-4	1	0	3	-6.437e-5	2
1545	N773	max	.026	2	.001	2	-.108	3	-2.026e-4	3	1.216e-8	1	-3.312e-6	3
1546		min	0	3	-.006	1	-.156	1	-3.047e-4	1	0	3	-6.353e-5	2
1547	N774	max	.026	2	.004	2	-.108	3	-2.03e-4	3	1.284e-8	1	-2.135e-6	3
1548		min	0	3	-.003	1	-.156	1	-3.052e-4	1	0	3	-6.292e-5	2
1549	N775	max	.026	2	.006	2	-.108	3	-2.031e-4	3	1.35e-8	1	-1.16e-6	3
1550		min	0	3	0	1	-.156	1	-3.053e-4	1	0	3	-6.3e-5	2
1551	N776	max	.026	2	.008	2	-.108	3	-2.03e-4	3	1.414e-8	1	4.991e-7	3
1552		min	0	3	.002	3	-.156	1	-3.051e-4	1	0	3	-6.06e-5	2
1553	N777	max	.026	2	.01	2	-.108	3	-2.027e-4	3	1.476e-8	1	1.923e-6	3
1554		min	0	3	.003	3	-.156	1	-3.049e-4	1	0	3	-5.893e-5	2
1555	N778	max	.026	2	.013	2	-.108	3	-2.021e-4	3	1.535e-8	1	3.133e-6	3
1556		min	0	3	.005	3	-.156	1	-3.043e-4	1	0	3	-5.765e-5	2
1557	N779	max	.026	2	.015	2	-.108	3	-2.015e-4	3	1.593e-8	1	4.193e-6	3
1558		min	0	3	.007	3	-.156	1	-3.036e-4	1	1.e-8	3	-5.656e-5	2
1559	N780	max	.026	2	.017	2	-.108	3	-2.004e-4	3	1.648e-8	1	4.854e-6	3
1560		min	0	3	.009	3	-.156	1	-3.026e-4	1	1.037e-8	3	-5.571e-5	2
1561	N781	max	.026	2	.018	2	-.108	3	-2.006e-4	3	1.701e-8	1	5.745e-6	3
1562		min	0	3	.01	3	-.156	1	-3.03e-4	1	1.072e-8	3	-5.583e-5	2
1563	N782	max	.026	2	.02	2	-.108	3	-1.953e-4	3	1.751e-8	1	3.722e-6	3
1564		min	0	3	.012	3	-.156	1	-2.972e-4	1	1.106e-8	3	-5.378e-5	2
1565	N783	max	.026	2	.022	2	-.108	3	-2.092e-4	3	1.799e-8	1	1.527e-5	1
1566		min	0	3	.013	3	-.156	1	-3.12e-4	1	1.137e-8	3	-5.492e-5	2
1567	N784	max	.026	2	.023	2	-.108	3	-1.934e-4	3	1.843e-8	1	3.827e-6	3
1568		min	0	3	.015	3	-.156	1	-2.952e-4	1	1.166e-8	3	-5.262e-5	2
1569	N785	max	.026	2	.024	2	-.108	3	-1.952e-4	3	1.885e-8	1	7.664e-6	1
1570		min	0	3	.016	3	-.156	1	-2.971e-4	1	1.194e-8	3	-5.332e-5	2
1571	N786	max	.026	2	.025	1	-.108	3	-1.933e-4	3	1.923e-8	1	6.415e-6	1
1572		min	0	3	.017	3	-.156	1	-2.953e-4	1	1.219e-8	3	-5.332e-5	2
1573	N787	max	.026	2	.027	1	-.108	3	-1.926e-4	3	1.959e-8	1	5.759e-6	3
1574		min	0	3	.018	3	-.156	1	-2.95e-4	1	1.242e-8	3	-5.447e-5	2
1575	N788	max	.026	2	.028	1	-.108	3	-1.91e-4	3	1.991e-8	1	5.25e-6	3
1576		min	0	3	.019	3	-.156	1	-2.925e-4	1	1.263e-8	3	-5.459e-5	2
1577	N789	max	.026	2	.029	1	-.108	3	-1.898e-4	3	2.02e-8	1	5.427e-6	1
1578		min	0	3	.019	3	-.157	1	-2.915e-4	1	1.281e-8	3	-5.468e-5	2
1579	N790	max	.026	2	.03	1	-.108	3	-1.897e-4	3	2.046e-8	1	4.62e-6	3
1580		min	0	3	.02	3	-.157	1	-2.894e-4	1	1.298e-8	3	-5.634e-5	2
1581	N791	max	.026	2	.031	1	-.108	3	-1.887e-4	3	2.068e-8	1	1.317e-5	1
1582		min	0	3	.02	3	-.157	1	-2.909e-4	1	1.312e-8	3	-5.437e-5	2
1583	N792	max	.026	2	.031	1	-.108	3	-1.886e-4	3	2.088e-8	1	2.245e-6	3
1584		min	0	3	.021	3	-.157	1	-2.895e-4	1	1.324e-8	3	-5.856e-5	2
1585	N793	max	.026	2	.006	1	-.108	3	-2.104e-4	3	2.106e-8	1	-3.418e-7	3
1586		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.335e-8	3	-5.819e-5	2
1587	N794	max	.026	2	.006	1	-.108	3	-2.104e-4	3	2.106e-8	1	-3.646e-7	3
1588		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.335e-8	3	-5.822e-5	2
1589	N795	max	.026	2	.006	1	-.108	3	-2.105e-4	3	2.106e-8	1	-3.9e-7	3
1590		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.334e-8	3	-5.824e-5	2
1591	N796	max	.026	2	.006	1	-.108	3	-2.105e-4	3	2.104e-8	1	-4.138e-7	3
1592		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.333e-8	3	-5.826e-5	2
1593	N797	max	.026	2	.006	1	-.108	3	-2.105e-4	3	2.103e-8	1	-4.366e-7	3
1594		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.331e-8	3	-5.827e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1595	N798	max	.026	2	.006	1	-.108	3	-2.105e-4	3	2.1e-8	1	-4.523e-7	3
1596		min	0	3	.004	3	-.157	1	-3.131e-4	1	1.329e-8	3	-5.829e-5	2
1597	N799	max	.026	2	.005	1	-.108	3	-2.106e-4	3	2.096e-8	1	-4.581e-7	3
1598		min	0	3	.004	3	-.157	1	-3.132e-4	1	1.327e-8	3	-5.829e-5	2
1599	N800	max	.026	2	.005	1	-.108	3	-2.106e-4	3	2.092e-8	1	-4.788e-7	3
1600		min	0	3	.003	3	-.157	1	-3.132e-4	1	1.324e-8	3	-5.831e-5	2
1601	N801	max	.026	2	.005	1	-.108	3	-2.106e-4	3	2.088e-8	1	-4.886e-7	3
1602		min	0	3	.003	3	-.157	1	-3.132e-4	1	1.321e-8	3	-5.833e-5	2
1603	N802	max	.026	2	.004	1	-.108	3	-2.107e-4	3	2.082e-8	1	-4.844e-7	3
1604		min	0	3	.003	2	-.157	1	-3.132e-4	1	1.317e-8	3	-5.833e-5	2
1605	N803	max	.026	2	.004	1	-.108	3	-2.107e-4	3	2.076e-8	1	-4.759e-7	3
1606		min	0	3	.002	2	-.157	1	-3.133e-4	1	1.313e-8	3	-5.832e-5	2
1607	N804	max	.026	2	.003	1	-.108	3	-2.108e-4	3	2.07e-8	1	-4.637e-7	3
1608		min	0	3	.002	2	-.157	1	-3.134e-4	1	1.308e-8	3	-5.831e-5	2
1609	N805	max	.026	2	.003	1	-.108	3	-2.108e-4	3	2.062e-8	1	-4.411e-7	1
1610		min	0	3	.002	2	-.157	1	-3.134e-4	1	1.303e-8	3	-5.83e-5	2
1611	N806	max	.026	2	.002	1	-.108	3	-2.109e-4	3	2.054e-8	1	-3.784e-7	1
1612		min	0	3	.001	2	-.157	1	-3.135e-4	1	1.298e-8	3	-5.827e-5	2
1613	N807	max	.026	2	.002	1	-.108	3	-2.109e-4	3	2.046e-8	1	-4.045e-7	3
1614		min	0	3	0	2	-.157	1	-3.135e-4	1	1.292e-8	3	-5.83e-5	2
1615	N808	max	.026	2	.001	1	-.108	3	-2.109e-4	3	2.037e-8	1	-3.834e-7	3
1616		min	0	3	0	2	-.157	1	-3.135e-4	1	1.286e-8	3	-5.829e-5	2
1617	N809	max	.026	2	0	1	-.108	3	-2.109e-4	3	2.028e-8	1	-3.432e-7	3
1618		min	0	3	0	2	-.157	1	-3.135e-4	1	1.279e-8	3	-5.823e-5	2
1619	N810	max	.026	2	0	1	-.108	3	-2.109e-4	3	2.018e-8	1	-3.066e-7	3
1620		min	0	3	0	2	-.157	1	-3.135e-4	1	1.273e-8	3	-5.821e-5	2
1621	N811	max	.026	2	0	3	-.108	3	-2.109e-4	3	2.008e-8	1	-2.742e-7	3
1622		min	0	3	-.001	2	-.157	1	-3.135e-4	1	1.266e-8	3	-5.819e-5	2
1623	N812	max	.026	2	0	3	-.108	3	-2.109e-4	3	1.997e-8	1	-2.243e-7	3
1624		min	0	3	-.002	2	-.157	1	-3.135e-4	1	1.259e-8	3	-5.813e-5	2
1625	N813	max	.026	2	0	3	-.108	3	-2.109e-4	3	1.987e-8	1	-1.691e-7	3
1626		min	0	3	-.002	2	-.157	1	-3.135e-4	1	1.252e-8	3	-5.805e-5	2
1627	N814	max	.026	2	-.001	3	-.108	3	-2.108e-4	3	1.976e-8	1	2.448e-8	1
1628		min	0	3	-.003	2	-.157	1	-3.134e-4	1	1.244e-8	3	-5.783e-5	2
1629	N815	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	1.965e-8	1	-1.968e-8	1
1630		min	0	3	-.003	2	-.157	1	-3.135e-4	1	1.237e-8	3	-5.788e-5	2
1631	N816	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	1.953e-8	1	-2.674e-7	3
1632		min	0	3	-.004	2	-.157	1	-3.135e-4	1	1.23e-8	3	-5.83e-5	2
1633	N817	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	1.942e-8	1	-1.918e-7	3
1634		min	0	3	-.004	2	-.157	1	-3.134e-4	1	1.222e-8	3	-5.818e-5	2
1635	N818	max	.026	2	-.003	3	-.108	3	-2.107e-4	3	1.931e-8	1	-1.411e-7	3
1636		min	0	3	-.004	2	-.157	1	-3.132e-4	1	1.215e-8	3	-5.808e-5	2
1637	N819	max	.026	2	-.003	3	-.108	3	-2.106e-4	3	1.92e-8	1	-1.118e-7	3
1638		min	0	3	-.005	2	-.157	1	-3.131e-4	1	1.208e-8	3	-5.802e-5	2
1639	N820	max	.026	2	-.003	3	-.108	3	-2.105e-4	3	1.909e-8	1	-1.323e-7	3
1640		min	0	3	-.005	2	-.157	1	-3.131e-4	1	1.2e-8	3	-5.803e-5	2
1641	N821	max	.026	2	-.003	3	-.108	3	-2.105e-4	3	1.898e-8	1	-1.684e-7	3
1642		min	0	3	-.005	2	-.157	1	-3.13e-4	1	1.193e-8	3	-5.807e-5	2
1643	N822	max	.026	2	-.004	3	-.108	3	-2.105e-4	3	1.888e-8	1	-1.99e-7	3
1644		min	0	3	-.005	1	-.157	1	-3.13e-4	1	1.187e-8	3	-5.811e-5	2
1645	N823	max	.026	2	-.004	3	-.108	3	-2.104e-4	3	1.877e-8	1	-2.263e-7	3
1646		min	0	3	-.006	1	-.157	1	-3.129e-4	1	1.18e-8	3	-5.815e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1647	N824	max	.026	2	-.004	3	-.108	3	-2.104e-4	3	1.868e-8	1	-2.75e-7	3
1648		min	0	3	-.006	1	-.157	1	-3.129e-4	1	1.173e-8	3	-5.818e-5	2
1649	N825	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.858e-8	1	-3.201e-7	3
1650		min	0	3	-.006	1	-.157	1	-3.128e-4	1	1.167e-8	3	-5.821e-5	2
1651	N826	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.849e-8	1	-3.628e-7	3
1652		min	0	3	-.006	1	-.157	1	-3.128e-4	1	1.162e-8	3	-5.825e-5	2
1653	N827	max	.026	2	-.004	3	-.108	3	-2.102e-4	3	1.84e-8	1	-4.127e-7	3
1654		min	0	3	-.007	1	-.157	1	-3.127e-4	1	1.156e-8	3	-5.829e-5	2
1655	N828	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.832e-8	1	-4.715e-7	3
1656		min	0	3	-.007	1	-.157	1	-3.128e-4	1	1.151e-8	3	-5.836e-5	2
1657	N829	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.825e-8	1	-5.446e-7	3
1658		min	0	3	-.007	1	-.157	1	-3.129e-4	1	1.146e-8	3	-5.845e-5	2
1659	N830	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.818e-8	1	-5.819e-7	3
1660		min	0	3	-.007	1	-.157	1	-3.129e-4	1	1.142e-8	3	-5.847e-5	2
1661	N831	max	.026	2	-.004	3	-.108	3	-2.102e-4	3	1.812e-8	1	-7.244e-7	3
1662		min	0	3	-.007	1	-.157	1	-3.127e-4	1	1.138e-8	3	-5.871e-5	2
1663	N832	max	.026	2	-.004	3	-.108	3	-2.101e-4	3	1.806e-8	1	-7.147e-7	3
1664		min	0	3	-.006	1	-.157	1	-3.125e-4	1	1.134e-8	3	-5.863e-5	2
1665	N833	max	.026	2	-.004	3	-.108	3	-2.102e-4	3	1.801e-8	1	-7.483e-7	3
1666		min	0	3	-.006	1	-.157	1	-3.127e-4	1	1.131e-8	3	-5.865e-5	2
1667	N834	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.797e-8	1	-7.681e-7	3
1668		min	0	3	-.006	1	-.157	1	-3.128e-4	1	1.128e-8	3	-5.865e-5	2
1669	N835	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.793e-8	1	-7.926e-7	3
1670		min	0	3	-.006	1	-.157	1	-3.128e-4	1	1.126e-8	3	-5.868e-5	2
1671	N836	max	.026	2	-.004	3	-.108	3	-2.103e-4	3	1.79e-8	1	-8.235e-7	3
1672		min	0	3	-.005	1	-.157	1	-3.128e-4	1	1.124e-8	3	-5.871e-5	2
1673	N837	max	.026	2	-.003	3	-.108	3	-2.104e-4	3	1.787e-8	1	-8.45e-7	3
1674		min	0	3	-.005	1	-.157	1	-3.129e-4	1	1.123e-8	3	-5.874e-5	2
1675	N838	max	.026	2	-.003	2	-.108	3	-2.104e-4	3	1.785e-8	1	-8.6e-7	3
1676		min	0	3	-.005	1	-.157	1	-3.129e-4	1	1.122e-8	3	-5.87e-5	2
1677	N839	max	.026	2	-.003	2	-.108	3	-2.105e-4	3	1.784e-8	1	-8.589e-7	3
1678		min	0	3	-.004	1	-.157	1	-3.129e-4	1	1.121e-8	3	-5.877e-5	2
1679	N840	max	.026	2	-.002	2	-.108	3	-2.105e-4	3	1.783e-8	1	-8.46e-7	3
1680		min	0	3	-.004	1	-.157	1	-3.13e-4	1	1.121e-8	3	-5.882e-5	2
1681	N841	max	.026	2	-.002	2	-.108	3	-2.105e-4	3	1.783e-8	1	-8.295e-7	3
1682		min	0	3	-.003	1	-.157	1	-3.131e-4	1	1.121e-8	3	-5.879e-5	2
1683	N842	max	.026	2	-.001	2	-.108	3	-2.106e-4	3	1.784e-8	1	-8.129e-7	3
1684		min	0	3	-.003	1	-.157	1	-3.131e-4	1	1.121e-8	3	-5.874e-5	2
1685	N843	max	.026	2	0	2	-.108	3	-2.106e-4	3	1.785e-8	1	-7.836e-7	3
1686		min	0	3	-.002	1	-.157	1	-3.131e-4	1	1.122e-8	3	-5.87e-5	2
1687	N844	max	.026	2	0	2	-.108	3	-2.107e-4	3	1.786e-8	1	-7.4e-7	3
1688		min	0	3	-.002	1	-.157	1	-3.132e-4	1	1.123e-8	3	-5.865e-5	2
1689	N845	max	.026	2	0	2	-.108	3	-2.107e-4	3	1.788e-8	1	-6.895e-7	3
1690		min	0	3	-.001	1	-.157	1	-3.132e-4	1	1.125e-8	3	-5.861e-5	2
1691	N846	max	.026	2	0	2	-.108	3	-2.107e-4	3	1.791e-8	1	-6.433e-7	3
1692		min	0	3	0	1	-.157	1	-3.132e-4	1	1.126e-8	3	-5.858e-5	2
1693	N847	max	.026	2	.001	2	-.108	3	-2.107e-4	3	1.793e-8	1	-6.022e-7	3
1694		min	0	3	0	1	-.157	1	-3.132e-4	1	1.128e-8	3	-5.857e-5	2
1695	N848	max	.026	2	.001	2	-.108	3	-2.107e-4	3	1.796e-8	1	-5.442e-7	3
1696		min	0	3	0	3	-.157	1	-3.132e-4	1	1.13e-8	3	-5.848e-5	2
1697	N849	max	.026	2	.002	2	-.108	3	-2.107e-4	3	1.8e-8	1	-4.927e-7	3
1698		min	0	3	0	3	-.157	1	-3.132e-4	1	1.132e-8	3	-5.842e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1699	N850	max	.026	2	.002	2	-.108	3	-2.107e-4	3	1.803e-8	1	-4.477e-7	3
1700		min	0	3	0	3	-.157	1	-3.132e-4	1	1.135e-8	3	-5.837e-5	2
1701	N851	max	.026	2	.003	2	-.108	3	-2.107e-4	3	1.807e-8	1	-3.979e-7	3
1702		min	0	3	.001	3	-.157	1	-3.132e-4	1	1.137e-8	3	-5.832e-5	2
1703	N852	max	.026	2	.003	2	-.108	3	-2.107e-4	3	1.811e-8	1	-3.395e-7	3
1704		min	0	3	.002	3	-.157	1	-3.132e-4	1	1.139e-8	3	-5.829e-5	2
1705	N853	max	.026	2	.004	2	-.108	3	-2.106e-4	3	1.814e-8	1	-2.772e-7	3
1706		min	0	3	.002	3	-.157	1	-3.132e-4	1	1.142e-8	3	-5.828e-5	2
1707	N854	max	.026	2	.004	2	-.108	3	-2.106e-4	3	1.818e-8	1	-2.104e-7	3
1708		min	0	3	.002	3	-.157	1	-3.131e-4	1	1.144e-8	3	-5.823e-5	2
1709	N855	max	.026	2	.004	2	-.108	3	-2.107e-4	3	1.822e-8	1	-2.392e-7	3
1710		min	0	3	.003	3	-.157	1	-3.132e-4	1	1.147e-8	3	-5.818e-5	2
1711	N856	max	.026	2	.005	2	-.108	3	-2.106e-4	3	1.826e-8	1	-2.946e-7	3
1712		min	0	3	.003	3	-.157	1	-3.131e-4	1	1.149e-8	3	-5.814e-5	2
1713	N857	max	.026	2	.005	2	-.108	3	-2.105e-4	3	1.829e-8	1	-2.265e-7	3
1714		min	0	3	.003	3	-.157	1	-3.131e-4	1	1.151e-8	3	-5.814e-5	2
1715	N858	max	.026	2	.005	1	-.108	3	-2.105e-4	3	1.832e-8	1	-2.288e-7	3
1716		min	0	3	.003	3	-.157	1	-3.13e-4	1	1.153e-8	3	-5.814e-5	2
1717	N859	max	.026	2	.005	1	-.108	3	-2.105e-4	3	1.835e-8	1	-2.357e-7	3
1718		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.155e-8	3	-5.815e-5	2
1719	N860	max	.026	2	.006	1	-.108	3	-2.105e-4	3	1.838e-8	1	-2.379e-7	3
1720		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.157e-8	3	-5.813e-5	2
1721	N861	max	.026	2	.006	1	-.108	3	-2.104e-4	3	1.84e-8	1	-2.513e-7	3
1722		min	0	3	.004	3	-.157	1	-3.129e-4	1	1.158e-8	3	-5.813e-5	2
1723	N862	max	.026	2	.006	1	-.108	3	-2.105e-4	3	1.842e-8	1	-2.718e-7	3
1724		min	0	3	.004	3	-.157	1	-3.129e-4	1	1.159e-8	3	-5.814e-5	2
1725	N863	max	.026	2	.006	1	-.108	3	-2.104e-4	3	1.844e-8	1	-2.77e-7	1
1726		min	0	3	.004	3	-.157	1	-3.129e-4	1	1.16e-8	3	-5.815e-5	2
1727	N864	max	.026	2	.006	1	-.108	3	-2.104e-4	3	1.845e-8	1	-3.105e-7	3
1728		min	0	3	.004	3	-.157	1	-3.13e-4	1	1.16e-8	3	-5.818e-5	2
1729	N865	max	.026	2	.013	1	-.108	3	-2.077e-4	3	1.847e-8	1	-2.795e-7	3
1730		min	0	3	.008	3	-.157	1	-3.1e-4	1	1.161e-8	3	-5.825e-5	2
1731	N866	max	.026	2	.012	1	-.108	3	-2.077e-4	3	1.85e-8	1	-4.664e-7	3
1732		min	0	3	.008	3	-.157	1	-3.101e-4	1	1.163e-8	3	-5.839e-5	2
1733	N867	max	.026	2	.012	1	-.108	3	-2.078e-4	3	1.852e-8	1	-6.381e-7	3
1734		min	0	3	.008	3	-.157	1	-3.102e-4	1	1.164e-8	3	-5.853e-5	2
1735	N868	max	.026	2	.012	1	-.108	3	-2.079e-4	3	1.853e-8	1	-7.99e-7	3
1736		min	0	3	.008	3	-.157	1	-3.103e-4	1	1.165e-8	3	-5.868e-5	2
1737	N869	max	.026	2	.012	1	-.108	3	-2.08e-4	3	1.853e-8	1	-9.391e-7	3
1738		min	0	3	.008	3	-.157	1	-3.105e-4	1	1.164e-8	3	-5.881e-5	2
1739	N870	max	.026	2	.011	1	-.108	3	-2.081e-4	3	1.852e-8	1	-1.067e-6	3
1740		min	0	3	.008	3	-.157	1	-3.106e-4	1	1.163e-8	3	-5.894e-5	2
1741	N871	max	.026	2	.011	1	-.108	3	-2.083e-4	3	1.849e-8	1	-1.181e-6	3
1742		min	0	3	.007	3	-.157	1	-3.106e-4	1	1.161e-8	3	-5.905e-5	2
1743	N872	max	.026	2	.01	1	-.108	3	-2.085e-4	3	1.846e-8	1	-1.215e-6	3
1744		min	0	3	.007	3	-.157	1	-3.109e-4	1	1.158e-8	3	-5.907e-5	2
1745	N873	max	.026	2	.01	1	-.108	3	-2.087e-4	3	1.841e-8	1	-1.235e-6	1
1746		min	0	3	.006	3	-.157	1	-3.112e-4	1	1.155e-8	3	-5.91e-5	2
1747	N874	max	.026	2	.009	1	-.108	3	-2.089e-4	3	1.835e-8	1	-1.246e-6	1
1748		min	0	3	.006	2	-.157	1	-3.114e-4	1	1.15e-8	3	-5.913e-5	2
1749	N875	max	.026	2	.008	1	-.108	3	-2.091e-4	3	1.827e-8	1	-1.219e-6	1
1750		min	0	3	.005	2	-.157	1	-3.116e-4	1	1.145e-8	3	-5.914e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1751	N876	max	.026	2	.007	1	-.108	3	-2.093e-4	3	1.819e-8	1	-1.174e-6	3
1752		min	0	3	.004	2	-.157	1	-3.118e-4	1	1.14e-8	3	-5.91e-5	2
1753	N877	max	.026	2	.006	1	-.108	3	-2.095e-4	3	1.81e-8	1	-1.077e-6	3
1754		min	0	3	.003	2	-.157	1	-3.12e-4	1	1.133e-8	3	-5.903e-5	2
1755	N878	max	.026	2	.005	1	-.108	3	-2.097e-4	3	1.799e-8	1	-9.689e-7	3
1756		min	0	3	.002	2	-.157	1	-3.121e-4	1	1.126e-8	3	-5.9e-5	2
1757	N879	max	.026	2	.004	1	-.108	3	-2.098e-4	3	1.788e-8	1	-5.887e-7	1
1758		min	0	3	.001	2	-.157	1	-3.122e-4	1	1.119e-8	3	-5.878e-5	2
1759	N880	max	.026	2	.003	1	-.108	3	-2.1e-4	3	1.776e-8	1	-4.283e-7	1
1760		min	0	3	0	2	-.157	1	-3.126e-4	1	1.111e-8	3	-5.865e-5	2
1761	N881	max	.026	2	.002	1	-.108	3	-2.1e-4	3	1.762e-8	1	-4.354e-7	1
1762		min	0	3	0	2	-.157	1	-3.127e-4	1	1.102e-8	3	-5.859e-5	2
1763	N882	max	.026	2	0	1	-.108	3	-2.101e-4	3	1.749e-8	1	-2.696e-7	1
1764		min	0	3	-.002	2	-.157	1	-3.127e-4	1	1.093e-8	3	-5.844e-5	2
1765	N883	max	.026	2	0	3	-.108	3	-2.101e-4	3	1.734e-8	1	-8.053e-8	3
1766		min	0	3	-.003	2	-.157	1	-3.127e-4	1	1.083e-8	3	-5.825e-5	2
1767	N884	max	.026	2	0	3	-.108	3	-2.101e-4	3	1.719e-8	1	7.776e-8	3
1768		min	0	3	-.004	2	-.157	1	-3.127e-4	1	1.074e-8	3	-5.817e-5	2
1769	N885	max	.026	2	-.002	3	-.108	3	-2.099e-4	3	1.703e-8	1	2.449e-7	3
1770		min	0	3	-.004	2	-.157	1	-3.125e-4	1	1.063e-8	3	-5.805e-5	2
1771	N886	max	.026	2	-.002	3	-.108	3	-2.099e-4	3	1.687e-8	1	1.616e-7	3
1772		min	0	3	-.005	2	-.157	1	-3.126e-4	1	1.053e-8	3	-5.836e-5	2
1773	N887	max	.026	2	-.003	3	-.108	3	-2.094e-4	3	1.67e-8	1	2.99e-7	3
1774		min	0	3	-.006	2	-.157	1	-3.117e-4	1	1.042e-8	3	-5.826e-5	2
1775	N888	max	.026	2	-.004	3	-.108	3	-2.094e-4	3	1.653e-8	1	1.109e-6	1
1776		min	0	3	-.007	2	-.157	1	-3.118e-4	1	1.031e-8	3	-5.711e-5	2
1777	N889	max	.026	2	-.004	3	-.108	3	-2.092e-4	3	1.636e-8	1	9.197e-7	1
1778		min	0	3	-.008	2	-.157	1	-3.116e-4	1	1.02e-8	3	-5.729e-5	2
1779	N890	max	.026	2	-.005	3	-.108	3	-2.091e-4	3	1.619e-8	1	8.885e-7	3
1780		min	0	3	-.008	2	-.157	1	-3.115e-4	1	1.01e-8	3	-5.735e-5	2
1781	N891	max	.026	2	-.006	3	-.108	3	-2.089e-4	3	1.602e-8	1	8.469e-7	3
1782		min	0	3	-.009	2	-.157	1	-3.114e-4	1	0	3	-5.743e-5	2
1783	N892	max	.026	2	-.006	3	-.108	3	-2.086e-4	3	1.586e-8	1	8.474e-7	3
1784		min	0	3	-.01	2	-.157	1	-3.111e-4	1	0	3	-5.74e-5	2
1785	N893	max	.026	2	-.007	3	-.108	3	-2.084e-4	3	1.569e-8	1	8.27e-7	3
1786		min	0	3	-.01	2	-.157	1	-3.108e-4	1	0	3	-5.739e-5	2
1787	N894	max	.026	2	-.007	3	-.108	3	-2.081e-4	3	1.552e-8	1	7.512e-7	3
1788		min	0	3	-.011	1	-.157	1	-3.105e-4	1	0	3	-5.74e-5	2
1789	N895	max	.026	2	-.008	3	-.108	3	-2.08e-4	3	1.536e-8	1	6.193e-7	1
1790		min	0	3	-.011	1	-.157	1	-3.103e-4	1	0	3	-5.743e-5	2
1791	N896	max	.026	2	-.008	3	-.108	3	-2.077e-4	3	1.521e-8	1	4.911e-7	3
1792		min	0	3	-.012	1	-.157	1	-3.101e-4	1	0	3	-5.754e-5	2
1793	N897	max	.026	2	-.008	3	-.108	3	-2.076e-4	3	1.506e-8	1	3.197e-7	3
1794		min	0	3	-.012	1	-.157	1	-3.099e-4	1	0	3	-5.769e-5	2
1795	N898	max	.026	2	-.008	3	-.108	3	-2.075e-4	3	1.491e-8	1	1.036e-7	3
1796		min	0	3	-.013	1	-.157	1	-3.099e-4	1	0	3	-5.789e-5	2
1797	N899	max	.026	2	-.009	3	-.108	3	-2.074e-4	3	1.477e-8	1	-1.297e-7	3
1798		min	0	3	-.013	1	-.157	1	-3.098e-4	1	0	3	-5.811e-5	2
1799	N900	max	.026	2	-.009	3	-.108	3	-2.073e-4	3	1.464e-8	1	-3.607e-7	3
1800		min	0	3	-.013	1	-.157	1	-3.096e-4	1	0	3	-5.832e-5	2
1801	N901	max	.026	2	-.009	3	-.108	3	-2.071e-4	3	1.452e-8	1	-5.397e-7	3
1802		min	0	3	-.013	1	-.157	1	-3.094e-4	1	0	3	-5.843e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1803	N902	max	.026	2	-.009	3	-.108	3	-2.071e-4	3	1.441e-8	1	-8.236e-7	3
1804		min	0	3	-.013	1	-.157	1	-3.092e-4	1	0	3	-5.876e-5	2
1805	N903	max	.026	2	-.009	3	-.108	3	-2.074e-4	3	1.43e-8	1	-5.778e-7	1
1806		min	0	3	-.013	1	-.157	1	-3.099e-4	1	0	3	-5.838e-5	2
1807	N904	max	.026	2	-.008	3	-.108	3	-2.076e-4	3	1.421e-8	1	-1.224e-6	3
1808		min	0	3	-.013	1	-.157	1	-3.103e-4	1	0	3	-5.915e-5	2
1809	N905	max	.026	2	-.008	3	-.108	3	-2.076e-4	3	1.412e-8	1	-1.434e-6	3
1810		min	0	3	-.012	1	-.157	1	-3.1e-4	1	0	3	-5.94e-5	2
1811	N906	max	.026	2	-.008	3	-.108	3	-2.077e-4	3	1.404e-8	1	-1.64e-6	3
1812		min	0	3	-.012	1	-.157	1	-3.101e-4	1	0	3	-5.967e-5	2
1813	N907	max	.026	2	-.008	3	-.108	3	-2.078e-4	3	1.397e-8	1	-1.788e-6	3
1814		min	0	3	-.011	1	-.157	1	-3.102e-4	1	0	3	-5.984e-5	2
1815	N908	max	.026	2	-.007	3	-.108	3	-2.08e-4	3	1.392e-8	1	-1.873e-6	3
1816		min	0	3	-.011	1	-.157	1	-3.104e-4	1	0	3	-5.994e-5	2
1817	N909	max	.026	2	-.007	3	-.108	3	-2.082e-4	3	1.387e-8	1	-1.933e-6	3
1818		min	0	3	-.01	1	-.157	1	-3.107e-4	1	0	3	-6.e-5	2
1819	N910	max	.026	2	-.006	2	-.108	3	-2.085e-4	3	1.383e-8	1	-1.953e-6	3
1820		min	0	3	-.009	1	-.157	1	-3.109e-4	1	0	3	-6.017e-5	2
1821	N911	max	.026	2	-.005	2	-.108	3	-2.087e-4	3	1.381e-8	1	-1.95e-6	3
1822		min	0	3	-.008	1	-.157	1	-3.111e-4	1	0	3	-5.999e-5	2
1823	N912	max	.026	2	-.004	2	-.108	3	-2.088e-4	3	1.379e-8	1	-1.91e-6	3
1824		min	0	3	-.007	1	-.157	1	-3.112e-4	1	0	3	-5.987e-5	2
1825	N913	max	.026	2	-.004	2	-.108	3	-2.09e-4	3	1.378e-8	1	-1.824e-6	3
1826		min	0	3	-.007	1	-.157	1	-3.114e-4	1	0	3	-5.985e-5	2
1827	N914	max	.026	2	-.003	2	-.108	3	-2.092e-4	3	1.378e-8	1	-1.685e-6	3
1828		min	0	3	-.006	1	-.157	1	-3.116e-4	1	0	3	-5.979e-5	2
1829	N915	max	.026	2	-.002	2	-.108	3	-2.094e-4	3	1.379e-8	1	-1.528e-6	3
1830		min	0	3	-.005	1	-.157	1	-3.118e-4	1	0	3	-5.968e-5	2
1831	N916	max	.026	2	0	2	-.108	3	-2.095e-4	3	1.381e-8	1	-1.361e-6	3
1832		min	0	3	-.003	1	-.157	1	-3.119e-4	1	0	3	-5.953e-5	2
1833	N917	max	.026	2	0	2	-.108	3	-2.096e-4	3	1.384e-8	1	-1.177e-6	3
1834		min	0	3	-.002	1	-.157	1	-3.12e-4	1	0	3	-5.936e-5	2
1835	N918	max	.026	2	.001	2	-.108	3	-2.096e-4	3	1.387e-8	1	-9.59e-7	3
1836		min	0	3	-.001	1	-.157	1	-3.12e-4	1	0	3	-5.912e-5	2
1837	N919	max	.026	2	.002	2	-.108	3	-2.097e-4	3	1.391e-8	1	-7.115e-7	3
1838		min	0	3	0	1	-.157	1	-3.121e-4	1	0	3	-5.883e-5	2
1839	N920	max	.026	2	.003	2	-.108	3	-2.097e-4	3	1.396e-8	1	-5.061e-7	3
1840		min	0	3	0	3	-.157	1	-3.121e-4	1	0	3	-5.87e-5	2
1841	N921	max	.026	2	.004	2	-.108	3	-2.097e-4	3	1.401e-8	1	-2.874e-7	3
1842		min	0	3	.001	3	-.157	1	-3.121e-4	1	0	3	-5.853e-5	2
1843	N922	max	.026	2	.005	2	-.108	3	-2.096e-4	3	1.406e-8	1	-6.762e-8	3
1844		min	0	3	.002	3	-.157	1	-3.12e-4	1	0	3	-5.833e-5	2
1845	N923	max	.026	2	.006	2	-.108	3	-2.095e-4	3	1.412e-8	1	1.198e-7	3
1846		min	0	3	.003	3	-.157	1	-3.119e-4	1	0	3	-5.816e-5	2
1847	N924	max	.026	2	.007	2	-.108	3	-2.094e-4	3	1.419e-8	1	2.625e-7	3
1848		min	0	3	.003	3	-.157	1	-3.118e-4	1	0	3	-5.797e-5	2
1849	N925	max	.026	2	.007	2	-.108	3	-2.092e-4	3	1.425e-8	1	3.649e-7	3
1850		min	0	3	.004	3	-.157	1	-3.117e-4	1	0	3	-5.775e-5	2
1851	N926	max	.026	2	.008	2	-.108	3	-2.092e-4	3	1.432e-8	1	3.905e-7	3
1852		min	0	3	.005	3	-.157	1	-3.116e-4	1	0	3	-5.768e-5	2
1853	N927	max	.026	2	.009	2	-.108	3	-2.087e-4	3	1.439e-8	1	5.473e-7	1
1854		min	0	3	.005	3	-.157	1	-3.111e-4	1	0	3	-5.764e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1855	N928	max	.026	2	.009	2	-.108	3	-2.087e-4	3	1.446e-8	1	7.942e-7	1
1856		min	0	3	.006	3	-.157	1	-3.111e-4	1	0	3	-5.761e-5	2
1857	N929	max	.026	2	.01	2	-.108	3	-2.086e-4	3	1.453e-8	1	6.548e-7	1
1858		min	0	3	.006	3	-.157	1	-3.11e-4	1	0	3	-5.757e-5	2
1859	N930	max	.026	2	.01	1	-.108	3	-2.084e-4	3	1.46e-8	1	6.663e-7	1
1860		min	0	3	.007	3	-.157	1	-3.108e-4	1	0	3	-5.756e-5	2
1861	N931	max	.026	2	.011	1	-.108	3	-2.082e-4	3	1.466e-8	1	6.428e-7	1
1862		min	0	3	.007	3	-.157	1	-3.106e-4	1	0	3	-5.754e-5	2
1863	N932	max	.026	2	.011	1	-.108	3	-2.081e-4	3	1.473e-8	1	5.122e-7	1
1864		min	0	3	.008	3	-.157	1	-3.106e-4	1	0	3	-5.763e-5	2
1865	N933	max	.026	2	.012	1	-.108	3	-2.08e-4	3	1.479e-8	1	3.686e-7	3
1866		min	0	3	.008	3	-.157	1	-3.105e-4	1	0	3	-5.774e-5	2
1867	N934	max	.026	2	.012	1	-.108	3	-2.078e-4	3	1.484e-8	1	2.259e-7	3
1868		min	0	3	.008	3	-.157	1	-3.105e-4	1	0	3	-5.785e-5	2
1869	N935	max	.026	2	.012	1	-.108	3	-2.078e-4	3	1.489e-8	1	1.294e-7	3
1870		min	0	3	.008	3	-.157	1	-3.103e-4	1	0	3	-5.801e-5	2
1871	N936	max	.026	2	.012	1	-.108	3	-2.078e-4	3	1.494e-8	1	-1.189e-7	3
1872		min	0	3	.008	3	-.157	1	-3.1e-4	1	0	3	-5.811e-5	2
1873	N937	max	.026	2	.019	1	-.108	3	-2.031e-4	3	1.5e-8	1	-3.302e-7	3
1874		min	0	3	.013	3	-.157	1	-3.058e-4	1	0	3	-5.841e-5	2
1875	N938	max	.026	2	.019	1	-.108	3	-2.031e-4	3	1.507e-8	1	-7.303e-7	3
1876		min	0	3	.013	3	-.157	1	-3.055e-4	1	0	3	-5.888e-5	2
1877	N939	max	.026	2	.019	1	-.108	3	-2.032e-4	3	1.513e-8	1	-1.145e-6	3
1878		min	0	3	.012	3	-.157	1	-3.055e-4	1	0	3	-5.925e-5	2
1879	N940	max	.026	2	.018	1	-.108	3	-2.034e-4	3	1.517e-8	1	-1.531e-6	3
1880		min	0	3	.012	3	-.157	1	-3.056e-4	1	0	3	-5.959e-5	2
1881	N941	max	.026	2	.018	1	-.108	3	-2.037e-4	3	1.521e-8	1	-1.888e-6	3
1882		min	0	3	.012	3	-.157	1	-3.057e-4	1	0	3	-5.99e-5	2
1883	N942	max	.026	2	.017	1	-.108	3	-2.04e-4	3	1.524e-8	1	-2.175e-6	3
1884		min	0	3	.011	3	-.157	1	-3.061e-4	1	0	3	-6.014e-5	2
1885	N943	max	.026	2	.016	1	-.108	3	-2.045e-4	3	1.525e-8	1	-2.381e-6	3
1886		min	0	3	.011	3	-.157	1	-3.068e-4	1	0	3	-6.032e-5	2
1887	N944	max	.026	2	.015	1	-.108	3	-2.049e-4	3	1.525e-8	1	-2.656e-6	3
1888		min	0	3	.01	3	-.157	1	-3.069e-4	1	0	3	-6.063e-5	2
1889	N945	max	.026	2	.014	1	-.108	3	-2.053e-4	3	1.524e-8	1	-2.761e-6	3
1890		min	0	3	.01	3	-.157	1	-3.073e-4	1	0	3	-6.074e-5	2
1891	N946	max	.026	2	.013	1	-.108	3	-2.058e-4	3	1.522e-8	1	-2.713e-6	1
1892		min	0	3	.009	2	-.157	1	-3.078e-4	1	0	3	-6.073e-5	2
1893	N947	max	.026	2	.012	1	-.108	3	-2.062e-4	3	1.518e-8	1	-2.53e-6	1
1894		min	0	3	.008	2	-.157	1	-3.084e-4	1	0	3	-6.067e-5	2
1895	N948	max	.026	2	.011	1	-.108	3	-2.067e-4	3	1.514e-8	1	-2.247e-6	1
1896		min	0	3	.006	2	-.157	1	-3.09e-4	1	0	3	-6.056e-5	2
1897	N949	max	.026	2	.009	1	-.108	3	-2.072e-4	3	1.508e-8	1	-2.022e-6	1
1898		min	0	3	.005	2	-.157	1	-3.098e-4	1	0	3	-6.045e-5	2
1899	N950	max	.026	2	.008	1	-.108	3	-2.076e-4	3	1.501e-8	1	-1.472e-6	1
1900		min	0	3	.003	2	-.157	1	-3.101e-4	1	0	3	-6.01e-5	2
1901	N951	max	.026	2	.006	1	-.108	3	-2.08e-4	3	1.493e-8	1	-1.7e-6	3
1902		min	0	3	.002	2	-.157	1	-3.113e-4	1	0	3	-6.012e-5	2
1903	N952	max	.026	2	.005	1	-.108	3	-2.082e-4	3	1.483e-8	1	-1.313e-6	3
1904		min	0	3	0	2	-.157	1	-3.106e-4	1	0	3	-5.973e-5	2
1905	N953	max	.026	2	.003	1	-.108	3	-2.084e-4	3	1.473e-8	1	-7.129e-7	1
1906		min	0	3	0	2	-.157	1	-3.112e-4	1	0	3	-5.926e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1907	N954	max	.026	2	.001	1	-.108	3	-2.085e-4	3	1.462e-8	1	-3.266e-7	1
1908		min	0	3	-.002	2	-.157	1	-3.113e-4	1	0	3	-5.891e-5	2
1909	N955	max	.026	2	0	3	-.108	3	-2.086e-4	3	1.45e-8	1	7.824e-8	1
1910		min	0	3	-.004	2	-.157	1	-3.113e-4	1	0	3	-5.867e-5	2
1911	N956	max	.026	2	-.001	3	-.108	3	-2.085e-4	3	1.436e-8	1	5.918e-7	1
1912		min	0	3	-.005	2	-.157	1	-3.112e-4	1	0	3	-5.813e-5	2
1913	N957	max	.026	2	-.002	3	-.108	3	-2.085e-4	3	1.422e-8	1	9.415e-7	3
1914		min	0	3	-.007	2	-.157	1	-3.113e-4	1	0	3	-5.792e-5	2
1915	N958	max	.026	2	-.003	3	-.108	3	-2.078e-4	3	1.407e-8	1	1.928e-6	1
1916		min	0	3	-.008	2	-.157	1	-3.101e-4	1	0	3	-5.686e-5	2
1917	N959	max	.026	2	-.005	3	-.108	3	-2.09e-4	3	1.392e-8	1	3.122e-6	1
1918		min	0	3	-.009	2	-.157	1	-3.125e-4	1	0	3	-5.564e-5	2
1919	N960	max	.026	2	-.006	3	-.108	3	-2.075e-4	3	1.376e-8	1	1.379e-6	3
1920		min	0	3	-.01	2	-.157	1	-3.101e-4	1	0	3	-5.817e-5	2
1921	N961	max	.026	2	-.007	3	-.108	3	-2.072e-4	3	1.359e-8	1	2.005e-6	3
1922		min	0	3	-.011	2	-.157	1	-3.098e-4	1	0	3	-5.728e-5	2
1923	N962	max	.026	2	-.008	3	-.108	3	-2.063e-4	3	1.342e-8	1	2.204e-6	3
1924		min	0	3	-.012	2	-.157	1	-3.085e-4	1	0	3	-5.7e-5	2
1925	N963	max	.026	2	-.008	3	-.108	3	-2.057e-4	3	1.324e-8	1	2.471e-6	3
1926		min	0	3	-.013	2	-.157	1	-3.077e-4	1	0	3	-5.651e-5	2
1927	N964	max	.026	2	-.009	3	-.108	3	-2.051e-4	3	1.306e-8	1	2.518e-6	3
1928		min	0	3	-.014	2	-.157	1	-3.071e-4	1	0	3	-5.629e-5	2
1929	N965	max	.026	2	-.01	3	-.108	3	-2.047e-4	3	1.288e-8	1	2.517e-6	1
1930		min	0	3	-.015	2	-.157	1	-3.066e-4	1	0	3	-5.613e-5	2
1931	N966	max	.026	2	-.011	3	-.108	3	-2.042e-4	3	1.269e-8	1	2.451e-6	1
1932		min	0	3	-.016	1	-.157	1	-3.061e-4	1	0	3	-5.611e-5	2
1933	N967	max	.026	2	-.011	3	-.108	3	-2.036e-4	3	1.251e-8	1	2.281e-6	1
1934		min	0	3	-.017	1	-.157	1	-3.057e-4	1	0	3	-5.623e-5	2
1935	N968	max	.026	2	-.012	3	-.108	3	-2.034e-4	3	1.233e-8	1	2.034e-6	1
1936		min	0	3	-.017	1	-.157	1	-3.053e-4	1	0	3	-5.635e-5	2
1937	N969	max	.026	2	-.012	3	-.108	3	-2.03e-4	3	1.214e-8	1	1.722e-6	1
1938		min	0	3	-.018	1	-.157	1	-3.05e-4	1	0	3	-5.654e-5	2
1939	N970	max	.026	2	-.012	3	-.108	3	-2.027e-4	3	1.196e-8	1	1.363e-6	1
1940		min	0	3	-.019	1	-.157	1	-3.048e-4	1	0	3	-5.681e-5	2
1941	N971	max	.026	2	-.013	3	-.108	3	-2.025e-4	3	1.178e-8	1	9.058e-7	1
1942		min	0	3	-.019	1	-.157	1	-3.047e-4	1	0	3	-5.718e-5	2
1943	N972	max	.026	2	-.013	3	-.108	3	-2.026e-4	3	1.16e-8	1	3.112e-7	1
1944		min	0	3	-.019	1	-.157	1	-3.049e-4	1	0	3	-5.771e-5	2
1945	N973	max	.026	2	-.013	3	-.108	3	-2.028e-4	3	1.143e-8	1	-6.773e-7	3
1946		min	0	3	-.019	1	-.157	1	-3.053e-4	1	0	3	-5.877e-5	2
1947	N974	max	.026	2	-.013	3	-.108	3	-2.03e-4	3	1.126e-8	1	-9.546e-7	1
1948		min	0	3	-.019	1	-.157	1	-3.057e-4	1	0	3	-5.886e-5	2
1949	N975	max	.026	2	-.013	3	-.108	3	-2.025e-4	3	1.11e-8	1	-2.78e-6	3
1950		min	0	3	-.019	1	-.157	1	-3.047e-4	1	0	3	-6.21e-5	2
1951	N976	max	.026	2	-.012	3	-.108	3	-2.024e-4	3	1.094e-8	1	-2.038e-6	3
1952		min	0	3	-.019	1	-.157	1	-3.043e-4	1	0	3	-6.006e-5	2
1953	N977	max	.026	2	-.012	3	-.108	3	-2.032e-4	3	1.079e-8	1	-2.644e-6	3
1954		min	0	3	-.018	1	-.157	1	-3.055e-4	1	0	3	-6.092e-5	2
1955	N978	max	.026	2	-.012	3	-.108	3	-2.034e-4	3	1.064e-8	1	-2.925e-6	3
1956		min	0	3	-.017	1	-.157	1	-3.056e-4	1	0	3	-6.118e-5	2
1957	N979	max	.026	2	-.011	3	-.108	3	-2.039e-4	3	1.05e-8	1	-3.199e-6	3
1958		min	0	3	-.017	1	-.157	1	-3.062e-4	1	0	3	-6.151e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
1959	N980	max	.026	2	-.011	3	-.108	3	-2.043e-4	3	1.037e-8	1	-3.453e-6	3
1960		min	0	3	-.016	1	-.157	1	-3.065e-4	1	0	3	-6.18e-5	2
1961	N981	max	.026	2	-.01	3	-.108	3	-2.047e-4	3	1.025e-8	1	-3.571e-6	3
1962		min	0	3	-.015	1	-.157	1	-3.069e-4	1	0	3	-6.205e-5	2
1963	N982	max	.026	2	-.009	2	-.108	3	-2.052e-4	3	1.014e-8	1	-3.618e-6	3
1964		min	0	3	-.014	1	-.157	1	-3.074e-4	1	0	3	-6.174e-5	2
1965	N983	max	.026	2	-.008	2	-.108	3	-2.056e-4	3	1.003e-8	1	-3.528e-6	3
1966		min	0	3	-.012	1	-.157	1	-3.077e-4	1	0	3	-6.23e-5	2
1967	N984	max	.026	2	-.007	2	-.108	3	-2.062e-4	3	0	1	-3.395e-6	3
1968		min	0	3	-.011	1	-.157	1	-3.084e-4	1	0	3	-6.207e-5	2
1969	N985	max	.026	2	-.005	2	-.108	3	-2.066e-4	3	0	1	-3.177e-6	3
1970		min	0	3	-.01	1	-.157	1	-3.089e-4	1	0	3	-6.182e-5	2
1971	N986	max	.026	2	-.004	2	-.108	3	-2.07e-4	3	0	1	-2.949e-6	3
1972		min	0	3	-.008	1	-.157	1	-3.093e-4	1	0	3	-6.143e-5	2
1973	N987	max	.026	2	-.002	2	-.108	3	-2.074e-4	3	0	1	-2.629e-6	3
1974		min	0	3	-.007	1	-.157	1	-3.097e-4	1	0	3	-6.1e-5	2
1975	N988	max	.026	2	0	2	-.108	3	-2.077e-4	3	0	1	-2.228e-6	3
1976		min	0	3	-.005	1	-.157	1	-3.099e-4	1	0	3	-6.058e-5	2
1977	N989	max	.026	2	0	2	-.108	3	-2.079e-4	3	0	1	-1.78e-6	3
1978		min	0	3	-.003	1	-.157	1	-3.102e-4	1	0	3	-6.011e-5	2
1979	N990	max	.026	2	.002	2	-.108	3	-2.08e-4	3	0	1	-1.339e-6	3
1980		min	0	3	-.002	1	-.157	1	-3.103e-4	1	0	3	-5.975e-5	2
1981	N991	max	.026	2	.003	2	-.108	3	-2.081e-4	3	0	1	-9.36e-7	3
1982		min	0	3	0	1	-.157	1	-3.104e-4	1	0	3	-5.956e-5	2
1983	N992	max	.026	2	.005	2	-.108	3	-2.08e-4	3	0	1	-3.989e-7	3
1984		min	0	3	0	3	-.157	1	-3.103e-4	1	0	3	-5.891e-5	2
1985	N993	max	.026	2	.006	2	-.108	3	-2.079e-4	3	0	1	8.907e-8	3
1986		min	0	3	.002	3	-.157	1	-3.102e-4	1	0	3	-5.842e-5	2
1987	N994	max	.026	2	.008	2	-.108	3	-2.077e-4	3	0	1	5.406e-7	3
1988		min	0	3	.003	3	-.157	1	-3.1e-4	1	0	3	-5.805e-5	2
1989	N995	max	.026	2	.009	2	-.108	3	-2.075e-4	3	0	1	9.963e-7	3
1990		min	0	3	.004	3	-.157	1	-3.098e-4	1	0	3	-5.767e-5	2
1991	N996	max	.026	2	.01	2	-.108	3	-2.072e-4	3	0	1	1.454e-6	1
1992		min	0	3	.005	3	-.157	1	-3.095e-4	1	0	3	-5.741e-5	2
1993	N997	max	.026	2	.011	2	-.108	3	-2.069e-4	3	0	1	1.819e-6	3
1994		min	0	3	.006	3	-.157	1	-3.093e-4	1	0	3	-5.735e-5	2
1995	N998	max	.026	2	.012	2	-.108	3	-2.063e-4	3	0	1	2.24e-6	1
1996		min	0	3	.007	3	-.157	1	-3.085e-4	1	0	3	-5.7e-5	2
1997	N999	max	.026	2	.013	2	-.108	3	-2.069e-4	3	0	1	2.591e-6	1
1998		min	0	3	.008	3	-.157	1	-3.092e-4	1	0	3	-5.678e-5	2
1999	N1000	max	.026	2	.014	2	-.108	3	-2.058e-4	3	0	1	2.02e-6	1
2000		min	0	3	.009	3	-.157	1	-3.081e-4	1	0	3	-5.656e-5	2
2001	N1001	max	.026	2	.015	2	-.108	3	-2.053e-4	3	0	1	2.447e-6	1
2002		min	0	3	.01	3	-.157	1	-3.076e-4	1	0	3	-5.654e-5	2
2003	N1002	max	.026	2	.015	1	-.108	3	-2.049e-4	3	0	1	2.221e-6	1
2004		min	0	3	.01	3	-.157	1	-3.073e-4	1	0	3	-5.657e-5	2
2005	N1003	max	.026	2	.016	1	-.108	3	-2.046e-4	3	0	1	1.908e-6	1
2006		min	0	3	.011	3	-.157	1	-3.07e-4	1	0	3	-5.683e-5	2
2007	N1004	max	.026	2	.017	1	-.108	3	-2.041e-4	3	0	1	1.689e-6	1
2008		min	0	3	.011	3	-.157	1	-3.064e-4	1	0	3	-5.692e-5	2
2009	N1005	max	.026	2	.018	1	-.108	3	-2.037e-4	3	0	1	1.439e-6	1
2010		min	0	3	.012	3	-.157	1	-3.061e-4	1	0	3	-5.708e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2011	N1006	max	.026	2	.018	1	-.108	3	-2.036e-4	3	0	1	9.792e-7	3
2012		min	0	3	.012	3	-.157	1	-3.056e-4	1	0	3	-5.735e-5	2
2013	N1007	max	.026	2	.019	1	-.108	3	-2.033e-4	3	1.002e-8	1	1.221e-6	1
2014		min	0	3	.012	3	-.157	1	-3.056e-4	1	0	3	-5.75e-5	2
2015	N1008	max	.026	2	.019	1	-.108	3	-2.03e-4	3	1.009e-8	1	1.846e-7	3
2016		min	0	3	.013	3	-.157	1	-3.058e-4	1	0	3	-5.802e-5	2
2017	N1009	max	.026	2	.025	1	-.108	3	-1.965e-4	3	1.018e-8	1	-8.975e-8	3
2018		min	0	3	.017	3	-.157	1	-2.981e-4	1	0	3	-5.878e-5	2
2019	N1010	max	.026	2	.025	1	-.108	3	-1.968e-4	3	1.028e-8	1	-9.511e-7	3
2020		min	0	3	.017	3	-.157	1	-2.986e-4	1	0	3	-5.925e-5	2
2021	N1011	max	.026	2	.025	1	-.108	3	-1.971e-4	3	1.039e-8	1	-1.79e-6	3
2022		min	0	3	.016	3	-.157	1	-2.991e-4	1	0	3	-6.001e-5	2
2023	N1012	max	.026	2	.024	1	-.108	3	-1.974e-4	3	1.049e-8	1	-2.642e-6	3
2024		min	0	3	.016	3	-.157	1	-2.995e-4	1	0	3	-6.081e-5	2
2025	N1013	max	.026	2	.023	1	-.108	3	-1.979e-4	3	1.06e-8	1	-3.403e-6	3
2026		min	0	3	.016	3	-.157	1	-3.e-4	1	0	3	-6.155e-5	2
2027	N1014	max	.026	2	.023	1	-.108	3	-1.984e-4	3	1.07e-8	1	-4.088e-6	3
2028		min	0	3	.015	3	-.157	1	-3.004e-4	1	0	3	-6.225e-5	2
2029	N1015	max	.026	2	.022	1	-.108	3	-1.986e-4	3	1.079e-8	1	-4.611e-6	3
2030		min	0	3	.014	3	-.157	1	-3.001e-4	1	0	3	-6.279e-5	2
2031	N1016	max	.026	2	.02	1	-.108	3	-1.996e-4	3	1.089e-8	1	-4.639e-6	3
2032		min	0	3	.014	3	-.157	1	-3.014e-4	1	0	3	-6.271e-5	2
2033	N1017	max	.026	2	.019	1	-.108	3	-2.005e-4	3	1.098e-8	1	-4.724e-6	1
2034		min	0	3	.013	3	-.157	1	-3.024e-4	1	0	3	-6.291e-5	2
2035	N1018	max	.026	2	.018	1	-.108	3	-2.014e-4	3	1.106e-8	1	-4.88e-6	1
2036		min	0	3	.012	2	-.157	1	-3.032e-4	1	0	3	-6.312e-5	2
2037	N1019	max	.026	2	.016	1	-.108	3	-2.022e-4	3	1.113e-8	1	-4.86e-6	3
2038		min	0	3	.01	2	-.157	1	-3.041e-4	1	0	3	-6.32e-5	2
2039	N1020	max	.026	2	.014	1	-.108	3	-2.031e-4	3	1.12e-8	1	-4.671e-6	3
2040		min	0	3	.008	2	-.157	1	-3.049e-4	1	0	3	-6.314e-5	2
2041	N1021	max	.026	2	.012	1	-.108	3	-2.038e-4	3	1.126e-8	1	-4.246e-6	1
2042		min	0	3	.006	2	-.157	1	-3.052e-4	1	0	3	-6.277e-5	2
2043	N1022	max	.026	2	.01	1	-.108	3	-2.047e-4	3	1.132e-8	1	-3.895e-6	3
2044		min	0	3	.005	2	-.157	1	-3.074e-4	1	0	3	-6.28e-5	2
2045	N1023	max	.026	2	.008	1	-.108	3	-2.048e-4	3	1.136e-8	1	-1.248e-6	1
2046		min	0	3	.003	2	-.157	1	-3.043e-4	1	0	3	-6.153e-5	2
2047	N1024	max	.026	2	.006	1	-.108	3	-2.057e-4	3	1.139e-8	1	-2.436e-6	3
2048		min	0	3	0	2	-.157	1	-3.095e-4	1	0	3	-6.151e-5	2
2049	N1025	max	.026	2	.004	1	-.108	3	-2.059e-4	3	1.141e-8	1	-1.599e-6	3
2050		min	0	3	-.001	2	-.157	1	-3.084e-4	1	0	3	-6.082e-5	2
2051	N1026	max	.026	2	.002	1	-.108	3	-2.062e-4	3	1.143e-8	1	-6.808e-7	3
2052		min	0	3	-.003	2	-.157	1	-3.09e-4	1	0	3	-5.987e-5	2
2053	N1027	max	.026	2	0	3	-.108	3	-2.063e-4	3	1.143e-8	1	4.132e-7	1
2054		min	0	3	-.005	2	-.157	1	-3.089e-4	1	0	3	-5.864e-5	2
2055	N1028	max	.026	2	-.002	3	-.108	3	-2.065e-4	3	1.142e-8	1	1.212e-6	1
2056		min	0	3	-.007	2	-.157	1	-3.093e-4	1	0	3	-5.822e-5	2
2057	N1029	max	.026	2	-.003	3	-.108	3	-2.058e-4	3	1.139e-8	1	2.331e-6	1
2058		min	0	3	-.009	2	-.157	1	-3.082e-4	1	0	3	-5.729e-5	2
2059	N1030	max	.026	2	-.005	3	-.108	3	-2.077e-4	3	1.136e-8	1	2.662e-6	1
2060		min	0	3	-.01	2	-.157	1	-3.118e-4	1	0	3	-5.71e-5	2
2061	N1031	max	.026	2	-.006	3	-.108	3	-2.002e-4	3	1.131e-8	1	2.162e-7	3
2062		min	0	3	-.012	2	-.157	1	-2.989e-4	1	0	3	-6.226e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2063	N1032	max	.026	2	-.007	3	-.108	3	-2.051e-4	3	1.125e-8	1	5.425e-6	1
2064		min	0	3	-.014	2	-.157	1	-3.079e-4	1	0	3	-5.434e-5	2
2065	N1033	max	.026	2	-.009	3	-.108	3	-2.022e-4	3	1.118e-8	1	4.282e-6	3
2066		min	0	3	-.015	2	-.157	1	-3.033e-4	1	0	3	-5.55e-5	2
2067	N1034	max	.026	2	-.01	3	-.108	3	-2.02e-4	3	1.109e-8	1	5.246e-6	1
2068		min	0	3	-.016	2	-.157	1	-3.036e-4	1	0	3	-5.45e-5	2
2069	N1035	max	.026	2	-.011	3	-.108	3	-2.013e-4	3	1.099e-8	1	5.123e-6	1
2070		min	0	3	-.018	2	-.157	1	-3.029e-4	1	0	3	-5.462e-5	2
2071	N1036	max	.026	2	-.012	3	-.108	3	-2.005e-4	3	1.087e-8	1	5.22e-6	1
2072		min	0	3	-.019	2	-.157	1	-3.022e-4	1	0	3	-5.446e-5	2
2073	N1037	max	.026	2	-.013	3	-.108	3	-1.996e-4	3	1.075e-8	1	5.08e-6	3
2074		min	0	3	-.02	2	-.157	1	-3.014e-4	1	0	3	-5.452e-5	2
2075	N1038	max	.026	2	-.014	3	-.108	3	-1.989e-4	3	1.061e-8	1	4.82e-6	1
2076		min	0	3	-.021	1	-.157	1	-3.005e-4	1	0	3	-5.459e-5	2
2077	N1039	max	.026	2	-.015	3	-.108	3	-1.983e-4	3	1.046e-8	1	4.454e-6	1
2078		min	0	3	-.022	1	-.157	1	-2.997e-4	1	0	3	-5.46e-5	2
2079	N1040	max	.026	2	-.015	3	-.108	3	-1.972e-4	3	1.029e-8	1	3.946e-6	1
2080		min	0	3	-.023	1	-.157	1	-2.99e-4	1	0	3	-5.494e-5	2
2081	N1041	max	.026	2	-.016	3	-.108	3	-1.965e-4	3	1.012e-8	1	3.318e-6	1
2082		min	0	3	-.024	1	-.157	1	-2.984e-4	1	0	3	-5.542e-5	2
2083	N1042	max	.026	2	-.016	3	-.108	3	-1.96e-4	3	0	1	2.569e-6	1
2084		min	0	3	-.025	1	-.157	1	-2.978e-4	1	0	3	-5.6e-5	2
2085	N1043	max	.026	2	-.017	3	-.108	3	-1.957e-4	3	0	1	1.861e-6	1
2086		min	0	3	-.025	1	-.157	1	-2.974e-4	1	0	3	-5.655e-5	2
2087	N1044	max	.026	2	-.017	3	-.108	3	-1.953e-4	3	0	1	9.762e-7	1
2088		min	0	3	-.025	1	-.157	1	-2.968e-4	1	0	3	-5.728e-5	2
2089	N1045	max	.026	2	-.017	3	-.108	3	-1.951e-4	3	0	1	1.31e-6	1
2090		min	0	3	-.025	1	-.157	1	-2.965e-4	1	0	3	-5.683e-5	2
2091	N1046	max	.026	2	-.017	3	-.108	3	-1.955e-4	3	0	1	-2.223e-6	3
2092		min	0	3	-.025	1	-.157	1	-2.972e-4	1	0	3	-6.13e-5	2
2093	N1047	max	.026	2	-.017	3	-.108	3	-1.963e-4	3	0	1	6.135e-6	1
2094		min	0	3	-.025	1	-.157	1	-2.985e-4	1	0	3	-5.163e-5	2
2095	N1048	max	.026	2	-.016	3	-.108	3	-1.973e-4	3	0	1	-4.543e-6	3
2096		min	0	3	-.024	1	-.157	1	-3.001e-4	1	0	3	-6.437e-5	2
2097	N1049	max	.026	2	-.016	3	-.108	3	-1.968e-4	3	0	1	-3.922e-6	3
2098		min	0	3	-.024	1	-.157	1	-2.986e-4	1	0	3	-6.226e-5	2
2099	N1050	max	.026	2	-.015	3	-.108	3	-1.976e-4	3	0	1	-4.832e-6	3
2100		min	0	3	-.023	1	-.157	1	-2.996e-4	1	0	3	-6.346e-5	2
2101	N1051	max	.026	2	-.015	3	-.108	3	-1.98e-4	3	0	1	-5.237e-6	3
2102		min	0	3	-.022	1	-.157	1	-2.997e-4	1	0	3	-6.373e-5	2
2103	N1052	max	.026	2	-.014	3	-.108	3	-1.99e-4	3	0	1	-5.405e-6	3
2104		min	0	3	-.021	1	-.157	1	-3.009e-4	1	0	3	-6.393e-5	2
2105	N1053	max	.026	2	-.013	3	-.108	3	-1.999e-4	3	0	1	-5.589e-6	3
2106		min	0	3	-.019	1	-.157	1	-3.019e-4	1	0	3	-6.386e-5	2
2107	N1054	max	.026	2	-.012	2	-.108	3	-2.008e-4	3	0	1	-5.591e-6	3
2108		min	0	3	-.018	1	-.157	1	-3.028e-4	1	0	3	-6.515e-5	2
2109	N1055	max	.026	2	-.01	2	-.108	3	-2.02e-4	3	0	1	-5.71e-6	3
2110		min	0	3	-.016	1	-.157	1	-3.045e-4	1	0	3	-6.285e-5	2
2111	N1056	max	.026	2	-.009	2	-.108	3	-2.026e-4	3	0	1	-5.433e-6	3
2112		min	0	3	-.015	1	-.157	1	-3.047e-4	1	0	3	-6.422e-5	2
2113	N1057	max	.026	2	-.007	2	-.108	3	-2.034e-4	3	0	1	-5.202e-6	3
2114		min	0	3	-.013	1	-.157	1	-3.056e-4	1	0	3	-6.334e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2115	N1058	max	.026	2	-.005	2	-.108	3	-2.041e-4	3	0	1	-4.637e-6	3
2116		min	0	3	-.011	1	-.157	1	-3.062e-4	1	0	3	-6.309e-5	2
2117	N1059	max	.026	2	-.003	2	-.108	3	-2.047e-4	3	0	1	-4.014e-6	3
2118		min	0	3	-.009	1	-.157	1	-3.069e-4	1	0	3	-6.272e-5	2
2119	N1060	max	.026	2	-.001	2	-.108	3	-2.052e-4	3	0	1	-3.327e-6	3
2120		min	0	3	-.007	1	-.157	1	-3.074e-4	1	0	3	-6.224e-5	2
2121	N1061	max	.026	2	0	2	-.108	3	-2.056e-4	3	0	1	-2.573e-6	3
2122		min	0	3	-.005	1	-.157	1	-3.078e-4	1	0	3	-6.167e-5	2
2123	N1062	max	.026	2	.003	2	-.108	3	-2.058e-4	3	0	1	-1.71e-6	3
2124		min	0	3	-.002	1	-.157	1	-3.08e-4	1	0	3	-6.082e-5	2
2125	N1063	max	.026	2	.005	2	-.108	3	-2.06e-4	3	0	1	-7.165e-7	3
2126		min	0	3	0	1	-.157	1	-3.082e-4	1	0	3	-5.953e-5	2
2127	N1064	max	.026	2	.006	2	-.108	3	-2.06e-4	3	0	1	-6.349e-8	3
2128		min	0	3	.001	3	-.157	1	-3.083e-4	1	0	3	-5.937e-5	2
2129	N1065	max	.026	2	.008	2	-.108	3	-2.058e-4	3	0	1	6.478e-7	3
2130		min	0	3	.003	3	-.157	1	-3.08e-4	1	0	3	-5.885e-5	2
2131	N1066	max	.026	2	.01	2	-.108	3	-2.054e-4	3	0	1	1.357e-6	3
2132		min	0	3	.004	3	-.157	1	-3.076e-4	1	0	3	-5.815e-5	2
2133	N1067	max	.026	2	.012	2	-.108	3	-2.049e-4	3	0	1	1.987e-6	3
2134		min	0	3	.006	3	-.157	1	-3.071e-4	1	0	3	-5.747e-5	2
2135	N1068	max	.026	2	.013	2	-.108	3	-2.043e-4	3	0	1	2.577e-6	3
2136		min	0	3	.007	3	-.157	1	-3.064e-4	1	0	3	-5.668e-5	2
2137	N1069	max	.026	2	.015	2	-.108	3	-2.032e-4	3	0	1	3.321e-6	1
2138		min	0	3	.008	3	-.157	1	-3.053e-4	1	0	3	-5.562e-5	2
2139	N1070	max	.026	2	.016	2	-.108	3	-2.038e-4	3	0	1	4.217e-6	1
2140		min	0	3	.01	3	-.157	1	-3.061e-4	1	0	3	-5.566e-5	2
2141	N1071	max	.026	2	.017	2	-.108	3	-1.997e-4	3	0	1	2.715e-6	3
2142		min	0	3	.011	3	-.157	1	-3.017e-4	1	0	3	-5.528e-5	2
2143	N1072	max	.026	2	.018	2	-.108	3	-2.022e-4	3	0	1	5.303e-6	1
2144		min	0	3	.012	3	-.157	1	-3.045e-4	1	0	3	-5.564e-5	2
2145	N1073	max	.026	2	.019	2	-.108	3	-2.008e-4	3	0	1	3.914e-6	1
2146		min	0	3	.013	3	-.157	1	-3.03e-4	1	0	3	-5.544e-5	2
2147	N1074	max	.026	2	.02	1	-.108	3	-2.e-4	3	0	1	4.097e-6	1
2148		min	0	3	.014	3	-.157	1	-3.02e-4	1	0	3	-5.547e-5	2
2149	N1075	max	.026	2	.022	1	-.108	3	-1.99e-4	3	0	1	4.141e-6	1
2150		min	0	3	.014	3	-.157	1	-3.008e-4	1	0	3	-5.513e-5	2
2151	N1076	max	.026	2	.023	1	-.108	3	-1.985e-4	3	0	1	3.69e-6	1
2152		min	0	3	.015	3	-.157	1	-3.007e-4	1	0	3	-5.551e-5	2
2153	N1077	max	.026	2	.023	1	-.108	3	-1.981e-4	3	0	1	2.804e-6	1
2154		min	0	3	.016	3	-.157	1	-3.001e-4	1	0	3	-5.612e-5	2
2155	N1078	max	.026	2	.024	1	-.108	3	-1.972e-4	3	0	1	2.774e-6	1
2156		min	0	3	.016	3	-.157	1	-3.001e-4	1	0	3	-5.659e-5	2
2157	N1079	max	.026	2	.025	1	-.108	3	-1.969e-4	3	0	1	2.226e-6	3
2158		min	0	3	.016	3	-.157	1	-2.992e-4	1	0	3	-5.799e-5	2
2159	N1080	max	.026	2	.025	1	-.108	3	-1.968e-4	3	0	1	7.278e-7	1
2160		min	0	3	.017	3	-.157	1	-2.987e-4	1	0	3	-5.801e-5	2
2161	N1081	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	1	-2.874e-7	3
2162		min	0	3	-.004	2	-.157	1	-3.134e-4	1	0	3	-5.817e-5	2
2163	N1082	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.049e-7	3
2164		min	0	3	-.003	2	-.157	1	-3.134e-4	1	0	3	-5.819e-5	2
2165	N1083	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.059e-7	3
2166		min	0	3	-.003	2	-.157	1	-3.135e-4	1	0	3	-5.817e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2167	N1084	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-2.967e-7	3
2168		min	0	3	-.003	2	-.157	1	-3.135e-4	1	0	3	-5.814e-5	2
2169	N1085	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-2.68e-7	3
2170		min	0	3	-.002	2	-.157	1	-3.135e-4	1	0	3	-5.808e-5	2
2171	N1086	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.6e-7	3
2172		min	0	3	-.002	2	-.157	1	-3.135e-4	1	0	3	-5.825e-5	2
2173	N1087	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.869e-7	3
2174		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.829e-5	2
2175	N1088	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.526e-7	3
2176		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2177	N1089	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.489e-7	3
2178		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.82e-5	2
2179	N1090	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.466e-7	3
2180		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.819e-5	2
2181	N1091	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.516e-7	3
2182		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.82e-5	2
2183	N1092	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.555e-7	3
2184		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.82e-5	2
2185	N1093	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.58e-7	3
2186		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.819e-5	2
2187	N1094	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-3.679e-7	3
2188		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2189	N1095	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.789e-7	3
2190		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2191	N1096	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.844e-7	3
2192		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2193	N1097	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.934e-7	3
2194		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2195	N1098	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-4.029e-7	3
2196		min	0	3	.002	2	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2197	N1099	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	1	-4.143e-7	3
2198		min	0	3	.002	2	-.157	1	-3.135e-4	1	0	3	-5.825e-5	2
2199	N1100	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	1	-3.065e-7	3
2200		min	0	3	-.003	2	-.157	1	-3.134e-4	1	0	3	-5.818e-5	2
2201	N1101	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.161e-7	3
2202		min	0	3	-.003	2	-.157	1	-3.134e-4	1	0	3	-5.819e-5	2
2203	N1102	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.205e-7	3
2204		min	0	3	-.003	2	-.157	1	-3.135e-4	1	0	3	-5.819e-5	2
2205	N1103	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-3.163e-7	3
2206		min	0	3	-.003	2	-.157	1	-3.135e-4	1	0	3	-5.817e-5	2
2207	N1104	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.236e-7	3
2208		min	0	3	-.002	2	-.157	1	-3.135e-4	1	0	3	-5.817e-5	2
2209	N1105	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.493e-7	3
2210		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2211	N1106	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.668e-7	3
2212		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.824e-5	2
2213	N1107	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.651e-7	3
2214		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2215	N1108	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.585e-7	3
2216		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2217	N1109	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.588e-7	3
2218		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.82e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2219	N1110	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.614e-7	3
2220		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.82e-5	2
2221	N1111	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.647e-7	3
2222		min	0	3	0	2	-.157	1	-3.137e-4	1	0	3	-5.821e-5	2
2223	N1112	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.692e-7	3
2224		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2225	N1113	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-3.757e-7	3
2226		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2227	N1114	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.827e-7	3
2228		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2229	N1115	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.895e-7	3
2230		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2231	N1116	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.966e-7	3
2232		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2233	N1117	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-4.047e-7	3
2234		min	0	3	.002	2	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2235	N1118	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	1	-4.098e-7	3
2236		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2237	N1119	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	1	-3.288e-7	3
2238		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	3	-5.82e-5	2
2239	N1120	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.327e-7	3
2240		min	0	3	-.003	2	-.157	1	-3.134e-4	1	0	3	-5.82e-5	2
2241	N1121	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.362e-7	3
2242		min	0	3	-.003	2	-.157	1	-3.135e-4	1	0	3	-5.82e-5	2
2243	N1122	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-3.398e-7	3
2244		min	0	3	-.002	2	-.157	1	-3.135e-4	1	0	3	-5.82e-5	2
2245	N1123	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.469e-7	3
2246		min	0	3	-.002	2	-.157	1	-3.135e-4	1	0	3	-5.82e-5	2
2247	N1124	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.577e-7	3
2248		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2249	N1125	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.665e-7	3
2250		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2251	N1126	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.695e-7	3
2252		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2253	N1127	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.692e-7	3
2254		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2255	N1128	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.693e-7	3
2256		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.821e-5	2
2257	N1129	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.712e-7	3
2258		min	0	3	0	2	-.157	1	-3.137e-4	1	0	3	-5.821e-5	2
2259	N1130	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.74e-7	3
2260		min	0	3	0	2	-.157	1	-3.137e-4	1	0	3	-5.821e-5	2
2261	N1131	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.777e-7	3
2262		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2263	N1132	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-3.822e-7	3
2264		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2265	N1133	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	1	-3.874e-7	3
2266		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2267	N1134	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.929e-7	3
2268		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2269	N1135	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.986e-7	3
2270		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2271	N1136	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-4.038e-7	3
2272		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2273	N1137	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	1	-4.074e-7	3
2274		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2275	N1138	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.534e-7	3
2276		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	3	-5.821e-5	2
2277	N1139	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.521e-7	3
2278		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	3	-5.821e-5	2
2279	N1140	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.552e-7	3
2280		min	0	3	-.003	2	-.157	1	-3.135e-4	1	0	3	-5.821e-5	2
2281	N1141	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-3.591e-7	3
2282		min	0	3	-.002	2	-.157	1	-3.135e-4	1	0	3	-5.821e-5	2
2283	N1142	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.641e-7	3
2284		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2285	N1143	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.697e-7	3
2286		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2287	N1144	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.743e-7	3
2288		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2289	N1145	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.771e-7	3
2290		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2291	N1146	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.782e-7	3
2292		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2293	N1147	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.791e-7	3
2294		min	0	3	0	2	-.157	1	-3.137e-4	1	0	3	-5.822e-5	2
2295	N1148	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.803e-7	3
2296		min	0	3	0	2	-.157	1	-3.137e-4	1	0	3	-5.822e-5	2
2297	N1149	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.823e-7	3
2298		min	0	3	0	2	-.157	1	-3.137e-4	1	0	3	-5.822e-5	2
2299	N1150	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.848e-7	3
2300		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.822e-5	2
2301	N1151	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-3.88e-7	3
2302		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2303	N1152	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	1	-3.915e-7	3
2304		min	0	3	0	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2305	N1153	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.955e-7	3
2306		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2307	N1154	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.995e-7	3
2308		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2309	N1155	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-4.028e-7	3
2310		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2311	N1156	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	1	-4.064e-7	3
2312		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	3	-5.824e-5	2
2313	N1157	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.727e-7	3
2314		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	3	-5.824e-5	2
2315	N1158	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.733e-7	3
2316		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	3	-5.823e-5	2
2317	N1159	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.745e-7	3
2318		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	3	-5.823e-5	2
2319	N1160	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-3.771e-7	3
2320		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	3	-5.823e-5	2
2321	N1161	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.801e-7	3
2322		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2323	N1162	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.83e-7	3
2324		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2325	N1163	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.853e-7	3
2326		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2327	N1164	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.868e-7	3
2328		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	3	-5.823e-5	2
2329	N1165	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.877e-7	3
2330		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2331	N1166	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.882e-7	3
2332		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.823e-5	2
2333	N1167	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.889e-7	3
2334		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.823e-5	2
2335	N1168	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.899e-7	3
2336		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.823e-5	2
2337	N1169	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.912e-7	3
2338		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2339	N1170	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-3.929e-7	3
2340		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2341	N1171	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	1	-3.95e-7	3
2342		min	0	3	.001	2	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2343	N1172	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.974e-7	3
2344		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2345	N1173	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.998e-7	3
2346		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2347	N1174	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-4.019e-7	3
2348		min	0	3	.002	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2349	N1175	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-3.992e-7	3
2350		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2351	N1176	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.955e-7	3
2352		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.826e-5	2
2353	N1177	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.933e-7	3
2354		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.825e-5	2
2355	N1178	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-3.938e-7	3
2356		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.825e-5	2
2357	N1179	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-3.949e-7	3
2358		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.825e-5	2
2359	N1180	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.96e-7	3
2360		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2361	N1181	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-3.97e-7	3
2362		min	0	3	-.002	2	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2363	N1182	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-3.975e-7	3
2364		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2365	N1183	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.977e-7	3
2366		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2367	N1184	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.976e-7	3
2368		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2369	N1185	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-3.973e-7	3
2370		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2371	N1186	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.97e-7	3
2372		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.824e-5	2
2373	N1187	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.969e-7	3
2374		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.824e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2375	N1188	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-3.969e-7	3
2376		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2377	N1189	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-3.973e-7	3
2378		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2379	N1190	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	1	-3.979e-7	3
2380		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2381	N1191	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.987e-7	3
2382		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2383	N1192	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.994e-7	3
2384		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2385	N1193	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-3.992e-7	3
2386		min	0	3	.002	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2387	N1194	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-3.955e-7	3
2388		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2389	N1195	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-4.192e-7	3
2390		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.828e-5	2
2391	N1196	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-4.141e-7	3
2392		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.827e-5	2
2393	N1197	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-4.135e-7	3
2394		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.827e-5	2
2395	N1198	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-4.129e-7	3
2396		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.826e-5	2
2397	N1199	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-4.122e-7	3
2398		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2399	N1200	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-4.114e-7	3
2400		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2401	N1201	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	1	-4.104e-7	3
2402		min	0	3	-.001	2	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2403	N1202	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-4.092e-7	3
2404		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2405	N1203	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-4.078e-7	3
2406		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2407	N1204	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	1	-4.064e-7	3
2408		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2409	N1205	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-4.05e-7	3
2410		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.824e-5	2
2411	N1206	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-4.036e-7	3
2412		min	0	3	0	2	-.157	1	-3.137e-4	1	0	2	-5.824e-5	2
2413	N1207	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	1	-4.023e-7	3
2414		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2415	N1208	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	1	-4.012e-7	3
2416		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2417	N1209	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	1	-4.003e-7	3
2418		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2419	N1210	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.995e-7	3
2420		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2421	N1211	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	1	-3.986e-7	3
2422		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2423	N1212	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-3.967e-7	3
2424		min	0	3	.002	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2425	N1213	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	1	-3.931e-7	3
2426		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2427	N1214	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-4.397e-7	3
2428		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.83e-5	2
2429	N1215	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-4.364e-7	3
2430		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.829e-5	2
2431	N1216	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	1	-4.336e-7	3
2432		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.829e-5	2
2433	N1217	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	1	-4.309e-7	3
2434		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.828e-5	2
2435	N1218	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	1	-4.284e-7	3
2436		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2437	N1219	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.26e-7	3
2438		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2439	N1220	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.235e-7	3
2440		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2441	N1221	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.209e-7	3
2442		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2443	N1222	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.183e-7	3
2444		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2445	N1223	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.155e-7	3
2446		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2447	N1224	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.128e-7	3
2448		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2449	N1225	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.101e-7	3
2450		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2451	N1226	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.075e-7	3
2452		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2453	N1227	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	3	-4.05e-7	3
2454		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2455	N1228	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	3	-4.025e-7	3
2456		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2457	N1229	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.002e-7	3
2458		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2459	N1230	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.977e-7	3
2460		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2461	N1231	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.946e-7	3
2462		min	0	3	.002	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2463	N1232	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.899e-7	3
2464		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2465	N1233	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.584e-7	3
2466		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.831e-5	2
2467	N1234	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.582e-7	3
2468		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.831e-5	2
2469	N1235	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.534e-7	3
2470		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.831e-5	2
2471	N1236	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	3	-4.485e-7	3
2472		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.83e-5	2
2473	N1237	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.445e-7	3
2474		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.829e-5	2
2475	N1238	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.406e-7	3
2476		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2477	N1239	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.367e-7	3
2478		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2479	N1240	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.328e-7	3
2480		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2481	N1241	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.287e-7	3
2482		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2483	N1242	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.247e-7	3
2484		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2485	N1243	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.206e-7	3
2486		min	0	3	0	2	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2487	N1244	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.165e-7	3
2488		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2489	N1245	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.125e-7	3
2490		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2491	N1246	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	3	-4.085e-7	3
2492		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2493	N1247	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	3	-4.046e-7	3
2494		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2495	N1248	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.007e-7	3
2496		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2497	N1249	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.968e-7	3
2498		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.823e-5	2
2499	N1250	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.923e-7	3
2500		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2501	N1251	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.87e-7	3
2502		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2503	N1252	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-4.753e-7	3
2504		min	0	3	-.003	1	-.157	1	-3.133e-4	1	0	2	-5.832e-5	2
2505	N1253	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.782e-7	3
2506		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.833e-5	2
2507	N1254	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.705e-7	3
2508		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.832e-5	2
2509	N1255	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	3	-4.656e-7	3
2510		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.831e-5	2
2511	N1256	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.605e-7	3
2512		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.831e-5	2
2513	N1257	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.553e-7	3
2514		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.83e-5	2
2515	N1258	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.5e-7	3
2516		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.83e-5	2
2517	N1259	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.447e-7	3
2518		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2519	N1260	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.393e-7	3
2520		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2521	N1261	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.338e-7	3
2522		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2523	N1262	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.284e-7	3
2524		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2525	N1263	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.229e-7	3
2526		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2527	N1264	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.175e-7	3
2528		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2529	N1265	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	3	-4.12e-7	3
2530		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2531	N1266	max	.026	2	.002	1	-.108	3	-2.111e-4	3	0	3	-4.066e-7	3
2532		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2533	N1267	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.011e-7	3
2534		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2535	N1268	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.955e-7	3
2536		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2537	N1269	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.906e-7	3
2538		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2539	N1270	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.828e-7	3
2540		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2541	N1271	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-5.11e-7	3
2542		min	0	3	-.003	1	-.157	1	-3.133e-4	1	0	2	-5.837e-5	2
2543	N1272	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.887e-7	3
2544		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.833e-5	2
2545	N1273	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-4.874e-7	3
2546		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.833e-5	2
2547	N1274	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	3	-4.823e-7	3
2548		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.833e-5	2
2549	N1275	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.764e-7	3
2550		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.832e-5	2
2551	N1276	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.7e-7	3
2552		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.832e-5	2
2553	N1277	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.633e-7	3
2554		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.831e-5	2
2555	N1278	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.566e-7	3
2556		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.83e-5	2
2557	N1279	max	.026	2	0	3	-.108	3	-2.111e-4	3	0	3	-4.498e-7	3
2558		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2559	N1280	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.43e-7	3
2560		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2561	N1281	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.361e-7	3
2562		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2563	N1282	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.293e-7	3
2564		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2565	N1283	max	.026	2	0	1	-.108	3	-2.111e-4	3	0	3	-4.224e-7	3
2566		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2567	N1284	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	3	-4.155e-7	3
2568		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2569	N1285	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.085e-7	3
2570		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2571	N1286	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.014e-7	3
2572		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2573	N1287	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.942e-7	3
2574		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2575	N1288	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.863e-7	3
2576		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2577	N1289	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.835e-7	3
2578		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.822e-5	2
2579	N1290	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.001e-7	3
2580		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.833e-5	2
2581	N1291	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.093e-7	3
2582		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.835e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2583	N1292	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.054e-7	3
2584		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.835e-5	2
2585	N1293	max	.026	2	-.002	3	-.108	3	-2.11e-4	3	0	3	-4.999e-7	3
2586		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.835e-5	2
2587	N1294	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.926e-7	3
2588		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.834e-5	2
2589	N1295	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.847e-7	3
2590		min	0	3	-.002	1	-.157	1	-3.136e-4	1	0	2	-5.833e-5	2
2591	N1296	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.766e-7	3
2592		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.832e-5	2
2593	N1297	max	.026	2	0	3	-.108	3	-2.11e-4	3	0	3	-4.685e-7	3
2594		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.832e-5	2
2595	N1298	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.603e-7	3
2596		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.831e-5	2
2597	N1299	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.521e-7	3
2598		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.83e-5	2
2599	N1300	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.439e-7	3
2600		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2601	N1301	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.357e-7	3
2602		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2603	N1302	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.274e-7	3
2604		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2605	N1303	max	.026	2	.001	1	-.108	3	-2.111e-4	3	0	3	-4.19e-7	3
2606		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2607	N1304	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.105e-7	3
2608		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2609	N1305	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.019e-7	3
2610		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2611	N1306	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.93e-7	3
2612		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.824e-5	2
2613	N1307	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.841e-7	3
2614		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2615	N1308	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	3	-3.728e-7	3
2616		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2617	N1309	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.378e-7	3
2618		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.838e-5	2
2619	N1310	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.327e-7	3
2620		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.838e-5	2
2621	N1311	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.267e-7	3
2622		min	0	3	-.003	1	-.157	1	-3.135e-4	1	0	2	-5.838e-5	2
2623	N1312	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.181e-7	3
2624		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.837e-5	2
2625	N1313	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-5.089e-7	3
2626		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.836e-5	2
2627	N1314	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-4.994e-7	3
2628		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.835e-5	2
2629	N1315	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.899e-7	3
2630		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.834e-5	2
2631	N1316	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.803e-7	3
2632		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.833e-5	2
2633	N1317	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.707e-7	3
2634		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.832e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2635	N1318	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.612e-7	3
2636		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.831e-5	2
2637	N1319	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.516e-7	3
2638		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.83e-5	2
2639	N1320	max	.026	2	0	2	-.108	3	-2.111e-4	3	0	3	-4.421e-7	3
2640		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2641	N1321	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.324e-7	3
2642		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2643	N1322	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.226e-7	3
2644		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2645	N1323	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.127e-7	3
2646		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.826e-5	2
2647	N1324	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.025e-7	3
2648		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2
2649	N1325	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.924e-7	3
2650		min	0	3	.001	3	-.157	1	-3.135e-4	1	0	2	-5.824e-5	2
2651	N1326	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.826e-7	3
2652		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2653	N1327	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	3	-3.746e-7	3
2654		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	2	-5.823e-5	2
2655	N1328	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-5.584e-7	3
2656		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.841e-5	2
2657	N1329	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.588e-7	3
2658		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.841e-5	2
2659	N1330	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.477e-7	3
2660		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	2	-5.84e-5	2
2661	N1331	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.365e-7	3
2662		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.839e-5	2
2663	N1332	max	.026	2	-.001	3	-.108	3	-2.11e-4	3	0	3	-5.252e-7	3
2664		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.838e-5	2
2665	N1333	max	.026	2	-.001	2	-.108	3	-2.11e-4	3	0	3	-5.14e-7	3
2666		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	2	-5.837e-5	2
2667	N1334	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.029e-7	3
2668		min	0	3	-.001	1	-.157	1	-3.136e-4	1	0	2	-5.835e-5	2
2669	N1335	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.92e-7	3
2670		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.834e-5	2
2671	N1336	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.811e-7	3
2672		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.833e-5	2
2673	N1337	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.702e-7	3
2674		min	0	3	0	1	-.157	1	-3.136e-4	1	0	2	-5.832e-5	2
2675	N1338	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.594e-7	3
2676		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.831e-5	2
2677	N1339	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.485e-7	3
2678		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.83e-5	2
2679	N1340	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.376e-7	3
2680		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.829e-5	2
2681	N1341	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.264e-7	3
2682		min	0	3	0	3	-.157	1	-3.136e-4	1	0	2	-5.828e-5	2
2683	N1342	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.151e-7	3
2684		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.827e-5	2
2685	N1343	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-4.035e-7	3
2686		min	0	3	.001	3	-.157	1	-3.136e-4	1	0	2	-5.825e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2687	N1344	max	.026	2	.002	1	-.108	3	-2.11e-4	3	0	3	-3.918e-7	3
2688		min	0	3	.001	3	-.157	1	-3.135e-4	1	0	2	-5.824e-5	2
2689	N1345	max	.026	2	.003	1	-.108	3	-2.11e-4	3	0	3	-3.812e-7	3
2690		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	1	-5.823e-5	2
2691	N1346	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	3	-3.723e-7	3
2692		min	0	3	.002	3	-.157	1	-3.135e-4	1	0	1	-5.823e-5	2
2693	N1347	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-5.873e-7	3
2694		min	0	3	-.003	1	-.157	1	-3.133e-4	1	0	1	-5.844e-5	2
2695	N1348	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-5.792e-7	3
2696		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	1	-5.844e-5	2
2697	N1349	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.676e-7	3
2698		min	0	3	-.003	1	-.157	1	-3.134e-4	1	0	1	-5.842e-5	2
2699	N1350	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.542e-7	3
2700		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	1	-5.841e-5	2
2701	N1351	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-5.411e-7	3
2702		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	1	-5.84e-5	2
2703	N1352	max	.026	2	-.001	2	-.108	3	-2.11e-4	3	0	3	-5.283e-7	3
2704		min	0	3	-.002	1	-.157	1	-3.135e-4	1	0	1	-5.838e-5	2
2705	N1353	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.158e-7	3
2706		min	0	3	-.001	1	-.157	1	-3.135e-4	1	0	1	-5.837e-5	2
2707	N1354	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.035e-7	3
2708		min	0	3	0	1	-.157	1	-3.136e-4	1	0	1	-5.836e-5	2
2709	N1355	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.914e-7	3
2710		min	0	3	0	1	-.157	1	-3.136e-4	1	0	1	-5.834e-5	2
2711	N1356	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.793e-7	3
2712		min	0	3	0	1	-.157	1	-3.136e-4	1	0	1	-5.833e-5	2
2713	N1357	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.672e-7	3
2714		min	0	3	0	3	-.157	1	-3.136e-4	1	0	1	-5.832e-5	2
2715	N1358	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.551e-7	3
2716		min	0	3	0	3	-.157	1	-3.136e-4	1	0	1	-5.831e-5	2
2717	N1359	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.429e-7	3
2718		min	0	3	0	3	-.157	1	-3.136e-4	1	-1.007e-8	1	-5.83e-5	2
2719	N1360	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.306e-7	3
2720		min	0	3	0	3	-.157	1	-3.136e-4	1	-1.015e-8	1	-5.828e-5	2
2721	N1361	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.179e-7	3
2722		min	0	3	.001	3	-.157	1	-3.136e-4	1	-1.023e-8	1	-5.827e-5	2
2723	N1362	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.049e-7	3
2724		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.03e-8	1	-5.826e-5	2
2725	N1363	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-3.916e-7	3
2726		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.037e-8	1	-5.825e-5	2
2727	N1364	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	3	-3.785e-7	3
2728		min	0	3	.002	3	-.157	1	-3.135e-4	1	-1.043e-8	1	-5.823e-5	2
2729	N1365	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	3	-3.702e-7	3
2730		min	0	3	.002	3	-.157	1	-3.135e-4	1	-1.049e-8	1	-5.823e-5	2
2731	N1366	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-6.131e-7	3
2732		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.053e-8	1	-5.847e-5	2
2733	N1367	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-5.999e-7	3
2734		min	0	3	-.003	1	-.157	1	-3.134e-4	1	-1.068e-8	1	-5.846e-5	2
2735	N1368	max	.026	2	-.002	3	-.108	3	-2.109e-4	3	0	3	-5.859e-7	3
2736		min	0	3	-.003	1	-.157	1	-3.134e-4	1	-1.082e-8	1	-5.844e-5	2
2737	N1369	max	.026	2	-.002	2	-.108	3	-2.109e-4	3	0	3	-5.711e-7	3
2738		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.095e-8	1	-5.843e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2739	N1370	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-5.563e-7	3
2740		min	0	3	-.002	1	-.157	1	-3.135e-4	1	-1.108e-8	1	-5.841e-5	2
2741	N1371	max	.026	2	-.001	2	-.108	3	-2.11e-4	3	0	3	-5.42e-7	3
2742		min	0	3	-.002	1	-.157	1	-3.135e-4	1	-1.121e-8	1	-5.84e-5	2
2743	N1372	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.282e-7	3
2744		min	0	3	-.001	1	-.157	1	-3.135e-4	1	-1.133e-8	1	-5.839e-5	2
2745	N1373	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.148e-7	3
2746		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.145e-8	1	-5.837e-5	2
2747	N1374	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.015e-7	3
2748		min	0	3	0	1	-.157	1	-3.136e-4	1	-1.156e-8	1	-5.836e-5	2
2749	N1375	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.882e-7	3
2750		min	0	3	0	1	-.157	1	-3.136e-4	1	-1.167e-8	1	-5.834e-5	2
2751	N1376	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.75e-7	3
2752		min	0	3	0	3	-.157	1	-3.136e-4	1	-1.177e-8	1	-5.833e-5	2
2753	N1377	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.618e-7	3
2754		min	0	3	0	3	-.157	1	-3.136e-4	1	-1.187e-8	1	-5.832e-5	2
2755	N1378	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.485e-7	3
2756		min	0	3	0	3	-.157	1	-3.136e-4	1	-1.196e-8	1	-5.831e-5	2
2757	N1379	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.352e-7	3
2758		min	0	3	0	3	-.157	1	-3.136e-4	1	-1.205e-8	1	-5.829e-5	2
2759	N1380	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.216e-7	3
2760		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.213e-8	1	-5.828e-5	2
2761	N1381	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.072e-7	3
2762		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.221e-8	1	-5.826e-5	2
2763	N1382	max	.026	2	.002	2	-.108	3	-2.109e-4	3	0	3	-3.92e-7	3
2764		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.228e-8	1	-5.825e-5	2
2765	N1383	max	.026	2	.003	2	-.108	3	-2.109e-4	3	0	3	-3.774e-7	3
2766		min	0	3	.002	3	-.157	1	-3.135e-4	1	-1.235e-8	1	-5.824e-5	2
2767	N1384	max	.026	2	.003	1	-.108	3	-2.109e-4	3	0	3	-3.646e-7	3
2768		min	0	3	.002	3	-.157	1	-3.134e-4	1	-1.242e-8	1	-5.822e-5	2
2769	N1385	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-6.346e-7	3
2770		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.246e-8	1	-5.85e-5	2
2771	N1386	max	.026	2	-.002	3	-.108	3	-2.108e-4	3	0	3	-6.197e-7	3
2772		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.261e-8	1	-5.848e-5	2
2773	N1387	max	.026	2	-.002	2	-.108	3	-2.109e-4	3	0	3	-6.035e-7	3
2774		min	0	3	-.003	1	-.157	1	-3.134e-4	1	-1.276e-8	1	-5.847e-5	2
2775	N1388	max	.026	2	-.002	2	-.108	3	-2.109e-4	3	0	3	-5.87e-7	3
2776		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.29e-8	1	-5.845e-5	2
2777	N1389	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-5.706e-7	3
2778		min	0	3	-.002	1	-.157	1	-3.135e-4	1	-1.304e-8	1	-5.843e-5	2
2779	N1390	max	.026	2	0	2	-.108	3	-2.109e-4	3	0	3	-5.549e-7	3
2780		min	0	3	-.002	1	-.157	1	-3.135e-4	1	-1.317e-8	1	-5.842e-5	2
2781	N1391	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.4e-7	3
2782		min	0	3	-.001	1	-.157	1	-3.135e-4	1	-1.33e-8	1	-5.84e-5	2
2783	N1392	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.257e-7	3
2784		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.343e-8	1	-5.839e-5	2
2785	N1393	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.114e-7	3
2786		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.354e-8	1	-5.837e-5	2
2787	N1394	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.971e-7	3
2788		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.366e-8	1	-5.836e-5	2
2789	N1395	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.829e-7	3
2790		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.377e-8	1	-5.834e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2791	N1396	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.687e-7	3
2792		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.387e-8	1	-5.833e-5	2
2793	N1397	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.544e-7	3
2794		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.397e-8	1	-5.832e-5	2
2795	N1398	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.403e-7	3
2796		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.406e-8	1	-5.83e-5	2
2797	N1399	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.266e-7	3
2798		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.415e-8	1	-5.829e-5	2
2799	N1400	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.114e-7	3
2800		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.424e-8	1	-5.827e-5	2
2801	N1401	max	.026	2	.002	2	-.108	3	-2.109e-4	3	0	3	-3.939e-7	3
2802		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.432e-8	1	-5.826e-5	2
2803	N1402	max	.026	2	.003	2	-.108	3	-2.109e-4	3	0	3	-3.762e-7	3
2804		min	0	3	.002	3	-.157	1	-3.134e-4	1	-1.44e-8	1	-5.824e-5	2
2805	N1403	max	.026	2	.003	2	-.108	3	-2.109e-4	3	0	3	-3.616e-7	3
2806		min	0	3	.002	3	-.157	1	-3.134e-4	1	-1.447e-8	1	-5.823e-5	2
2807	N1404	max	.026	2	-.002	3	-.108	3	-2.107e-4	3	0	3	-6.564e-7	3
2808		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.452e-8	1	-5.852e-5	2
2809	N1405	max	.026	2	-.002	2	-.108	3	-2.108e-4	3	0	3	-6.386e-7	3
2810		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.468e-8	1	-5.851e-5	2
2811	N1406	max	.026	2	-.002	2	-.108	3	-2.108e-4	3	0	3	-6.201e-7	3
2812		min	0	3	-.003	1	-.157	1	-3.134e-4	1	-1.483e-8	1	-5.848e-5	2
2813	N1407	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-6.022e-7	3
2814		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.498e-8	1	-5.846e-5	2
2815	N1408	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-5.837e-7	3
2816		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.512e-8	1	-5.845e-5	2
2817	N1409	max	.026	2	0	2	-.108	3	-2.109e-4	3	0	3	-5.664e-7	3
2818		min	0	3	-.002	1	-.157	1	-3.135e-4	1	-1.526e-8	1	-5.843e-5	2
2819	N1410	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.511e-7	3
2820		min	0	3	-.001	1	-.157	1	-3.135e-4	1	-1.54e-8	1	-5.842e-5	2
2821	N1411	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.366e-7	3
2822		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.553e-8	1	-5.84e-5	2
2823	N1412	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.214e-7	3
2824		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.565e-8	1	-5.838e-5	2
2825	N1413	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.057e-7	3
2826		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.577e-8	1	-5.837e-5	2
2827	N1414	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.911e-7	3
2828		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.589e-8	1	-5.835e-5	2
2829	N1415	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-4.761e-7	3
2830		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.6e-8	1	-5.834e-5	2
2831	N1416	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.603e-7	3
2832		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.61e-8	1	-5.833e-5	2
2833	N1417	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.456e-7	3
2834		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.621e-8	1	-5.831e-5	2
2835	N1418	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.319e-7	3
2836		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.63e-8	1	-5.83e-5	2
2837	N1419	max	.026	2	.002	2	-.108	3	-2.109e-4	3	0	3	-4.197e-7	3
2838		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.639e-8	1	-5.828e-5	2
2839	N1420	max	.026	2	.002	2	-.108	3	-2.109e-4	3	0	3	-3.992e-7	3
2840		min	0	3	.001	3	-.157	1	-3.134e-4	1	-1.648e-8	1	-5.826e-5	2
2841	N1421	max	.026	2	.003	2	-.108	3	-2.109e-4	3	0	3	-3.726e-7	3
2842		min	0	3	.002	3	-.157	1	-3.134e-4	1	-1.656e-8	1	-5.825e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2843	N1422	max	.026	2	.003	2	-.108	3	-2.108e-4	3	0	3	-3.595e-7	3
2844		min	0	3	.002	3	-.157	1	-3.134e-4	1	-1.664e-8	1	-5.823e-5	2
2845	N1423	max	.026	2	-.002	2	-.108	3	-2.107e-4	3	0	3	-6.77e-7	3
2846		min	0	3	-.003	1	-.157	1	-3.132e-4	1	-1.669e-8	1	-5.857e-5	2
2847	N1424	max	.026	2	-.002	2	-.108	3	-2.108e-4	3	0	3	-6.55e-7	3
2848		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.686e-8	1	-5.853e-5	2
2849	N1425	max	.026	2	-.002	2	-.108	3	-2.108e-4	3	0	3	-6.36e-7	3
2850		min	0	3	-.003	1	-.157	1	-3.133e-4	1	-1.702e-8	1	-5.849e-5	2
2851	N1426	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-6.166e-7	3
2852		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.717e-8	1	-5.847e-5	2
2853	N1427	max	.026	2	-.001	2	-.108	3	-2.109e-4	3	0	3	-5.953e-7	3
2854		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.732e-8	1	-5.846e-5	2
2855	N1428	max	.026	2	0	2	-.108	3	-2.109e-4	3	0	3	-5.765e-7	3
2856		min	0	3	-.002	1	-.157	1	-3.134e-4	1	-1.747e-8	1	-5.845e-5	2
2857	N1429	max	.026	2	0	2	-.108	3	-2.109e-4	3	0	3	-5.613e-7	3
2858		min	0	3	-.001	1	-.157	1	-3.135e-4	1	-1.761e-8	1	-5.844e-5	2
2859	N1430	max	.026	2	0	2	-.108	3	-2.109e-4	3	0	3	-5.477e-7	3
2860		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.775e-8	1	-5.842e-5	2
2861	N1431	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.318e-7	3
2862		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.788e-8	1	-5.84e-5	2
2863	N1432	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.131e-7	3
2864		min	0	3	0	1	-.157	1	-3.135e-4	1	-1.801e-8	1	-5.837e-5	2
2865	N1433	max	.026	2	0	2	-.108	3	-2.11e-4	3	0	3	-5.002e-7	3
2866		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.813e-8	1	-5.837e-5	2
2867	N1434	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.845e-7	3
2868		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.825e-8	1	-5.836e-5	2
2869	N1435	max	.026	2	.001	2	-.108	3	-2.11e-4	3	0	3	-4.665e-7	3
2870		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.836e-8	1	-5.834e-5	2
2871	N1436	max	.026	2	.002	2	-.108	3	-2.11e-4	3	0	3	-4.506e-7	3
2872		min	0	3	0	3	-.157	1	-3.135e-4	1	-1.847e-8	1	-5.833e-5	2
2873	N1437	max	.026	2	.002	2	-.108	3	-2.109e-4	3	0	3	-4.38e-7	3
2874		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.857e-8	1	-5.831e-5	2
2875	N1438	max	.026	2	.002	2	-.108	3	-2.109e-4	3	0	3	-4.262e-7	3
2876		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.867e-8	1	-5.828e-5	2
2877	N1439	max	.026	2	.003	2	-.108	3	-2.109e-4	3	0	3	-4.159e-7	3
2878		min	0	3	.001	3	-.157	1	-3.135e-4	1	-1.876e-8	1	-5.827e-5	2
2879	N1440	max	.026	2	.003	2	-.108	3	-2.108e-4	3	0	3	-3.755e-7	3
2880		min	0	3	.002	3	-.157	1	-3.134e-4	1	-1.885e-8	1	-5.826e-5	2
2881	N1441	max	.026	2	.003	2	-.108	3	-2.108e-4	3	0	3	-3.329e-7	3
2882		min	0	3	.002	3	-.157	1	-3.133e-4	1	-1.894e-8	1	-5.824e-5	2
2883	N1442	max	.027	2	.01	1	-.11	3	-2.032e-4	3	0	3	-5.744e-6	3
2884		min	0	3	.003	2	-.159	1	-3.192e-4	1	-1.437e-8	1	-6.747e-5	2
2885	N1443	max	.026	2	-.007	3	-.11	3	-2.246e-4	3	0	3	2.633e-5	1
2886		min	0	1	-.015	2	-.159	1	-3.441e-4	1	0	1	-3.338e-5	2
2887	N1444	max	.027	2	-.021	3	-.109	3	-1.889e-4	3	0	2	-2.26e-5	3
2888		min	0	3	-.031	1	-.158	1	-2.912e-4	1	0	3	-1.024e-4	2
2889	N1445	max	.027	2	-.013	2	-.11	3	-1.957e-4	3	0	1	-7.165e-6	1
2890		min	0	3	-.02	1	-.158	1	-2.963e-4	1	0	3	-7.415e-5	2
2891	N1446	max	.026	2	.022	2	-.11	3	-2.092e-4	3	1.799e-8	1	1.527e-5	1
2892		min	0	3	.013	3	-.159	1	-3.12e-4	1	1.137e-8	3	-5.492e-5	2
2893	N1447	max	.026	2	.031	1	-.109	3	-1.887e-4	3	2.07e-8	1	1.317e-5	1
2894		min	0	1	.02	3	-.158	1	-2.909e-4	1	1.313e-8	3	-5.437e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2895	N1448	max	.026	2	.006	2	-.11	3	-1.991e-4	3	-1.118e-6	2	-2.373e-6	3
2896		min	0	3	-.002	1	-.159	1	-3.133e-4	1	-1.305e-6	1	-1.318e-4	2
2897	N1449	max	.027	2	-.019	3	-.11	3	-1.582e-4	3	7.098e-7	2	2.494e-5	3
2898		min	0	1	-.03	1	-.159	1	-3.182e-4	1	6.446e-7	3	-8.556e-5	2
2899	N1450	max	.026	2	.024	1	-.11	3	-1.601e-4	3	6.517e-7	1	1.17e-6	1
2900		min	0	3	.014	3	-.159	1	-3.198e-4	1	4.064e-7	2	-8.338e-5	2
2901	N1451	max	.026	2	.007	2	-.108	3	-2.458e-4	3	0	3	-1.511e-6	3
2902		min	0	3	0	1	-.157	1	-4.437e-4	1	-1.926e-8	1	-1.186e-4	2
2903	N1452	max	.026	2	.027	1	-.108	3	-2.444e-4	3	0	3	-1.946e-8	3
2904		min	0	3	.017	3	-.156	1	-4.267e-4	1	-1.93e-8	1	-1.378e-4	2
2905	N1453	max	.026	2	-.018	3	-.108	3	-2.33e-4	3	0	3	1.805e-5	1
2906		min	0	3	-.028	1	-.156	1	-4.134e-4	1	-1.89e-8	1	-1.148e-4	2
2907	N1454	max	.027	2	.007	2	-.111	3	-2.374e-4	3	-1.299e-8	3	-3.121e-6	3
2908		min	0	3	0	1	-.161	1	-4.347e-4	1	-2.163e-8	1	-1.192e-4	2
2909	N1455	max	.027	2	.027	1	-.111	3	-2.368e-4	3	-1.292e-8	3	0	3
2910		min	0	3	.017	3	-.161	1	-4.172e-4	1	-2.167e-8	1	-1.388e-4	2
2911	N1456	max	.027	2	-.018	3	-.11	3	-2.225e-4	3	-1.289e-8	3	1.985e-5	1
2912		min	0	1	-.028	1	-.16	1	-4.005e-4	1	-2.134e-8	1	-1.135e-4	2
2913	N1457	max	.027	2	.006	2	-.11	3	-1.928e-4	3	-1.049e-6	2	-2.379e-6	3
2914		min	0	3	-.002	1	-.16	1	-3.197e-4	1	-1.225e-6	1	-1.32e-4	2
2915	N1458	max	.027	2	-.019	3	-.111	3	-1.58e-4	3	6.635e-7	2	2.317e-5	3
2916		min	0	3	-.03	1	-.16	1	-3.216e-4	1	6.023e-7	3	-9.119e-5	2
2917	N1459	max	.027	2	.024	1	-.111	3	-1.6e-4	3	6.086e-7	1	-2.786e-6	1
2918		min	0	1	.014	3	-.16	1	-3.233e-4	1	3.792e-7	2	-9.567e-5	2
2919	N1460	max	.033	2	.007	2	-.12	3	-2.067e-4	3	-2.67e-8	2	1.595e-5	1
2920		min	0	3	0	1	-.178	1	-3.455e-4	1	-3.286e-8	1	-1.369e-4	2
2921	N1461	max	.033	2	.027	1	-.12	3	-2.049e-4	3	-2.67e-8	2	2.802e-5	1
2922		min	0	3	.017	3	-.178	1	-3.968e-4	1	-3.286e-8	1	-8.073e-5	2
2923	N1462	max	.033	2	-.018	3	-.12	3	-2.576e-4	3	-2.67e-8	2	-3.04e-5	3
2924		min	0	3	-.028	1	-.178	1	-4.583e-4	1	-3.286e-8	1	-1.616e-4	2
2925	N1463	max	.033	2	.006	2	-.12	3	-3.46e-4	3	-2.67e-8	2	5.083e-6	1
2926		min	0	3	-.002	1	-.178	1	-5.883e-4	1	-3.286e-8	1	-1.448e-4	2
2927	N1464	max	.033	2	-.019	3	-.12	3	-3.269e-4	3	-2.67e-8	2	-9.012e-6	1
2928		min	0	3	-.03	1	-.178	1	-5.58e-4	1	-3.286e-8	1	-1.638e-4	2
2929	N1465	max	.033	2	.024	1	-.12	3	-3.269e-4	3	-2.671e-8	2	1.488e-5	3
2930		min	0	3	.014	3	-.178	1	-5.579e-4	1	-3.287e-8	1	-1.452e-4	2
2931	N1466	max	.037	2	.006	2	-.132	3	-4.01e-4	3	2.128e-8	1	-9.668e-6	3
2932		min	0	3	-.002	1	-.197	1	-6.313e-4	1	1.856e-8	3	-1.525e-4	2
2933	N1467	max	.038	2	-.019	3	-.131	3	-3.924e-4	3	2.128e-8	1	-3.754e-6	3
2934		min	0	3	-.03	1	-.196	1	-6.236e-4	1	1.856e-8	3	-1.458e-4	2
2935	N1468	max	.037	2	.024	1	-.131	3	-4.035e-4	3	2.128e-8	1	4.214e-6	1
2936		min	0	1	.014	3	-.196	1	-6.366e-4	1	1.855e-8	3	-1.373e-4	2
2937	N1469	max	.045	2	.006	2	-.145	3	-6.851e-5	3	1.383e-7	1	2.148e-5	1
2938		min	0	3	-.002	1	-.22	1	-2.241e-4	1	1.191e-7	3	-1.044e-4	2
2939	N1470	max	.045	2	-.019	3	-.145	3	-8.384e-5	3	1.383e-7	1	-1.206e-5	3
2940		min	0	1	-.03	1	-.221	1	-2.412e-4	1	1.191e-7	3	-1.351e-4	2
2941	N1471	max	.045	2	.024	1	-.146	3	-4.75e-5	3	1.383e-7	1	-5.308e-6	3
2942		min	0	3	.014	3	-.222	1	-1.988e-4	1	1.191e-7	3	-1.291e-4	2
2943	N1472	max	.049	2	.006	2	-.148	3	-2.388e-4	3	2.02e-7	1	-3.049e-5	3
2944		min	0	3	-.002	1	-.229	1	-4.085e-4	1	1.737e-7	3	-1.469e-4	2
2945	N1473	max	.049	2	-.019	3	-.148	3	-1.592e-4	3	2.02e-7	1	3.836e-5	1
2946		min	0	3	-.03	1	-.229	1	-3.2e-4	1	1.737e-7	3	-7.985e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2947	N1474	max	.049	2	.024	1	-.148	3	-2.521e-4	3	2.02e-7	1	3.038e-5	1
2948		min	0	3	.014	3	-.229	1	-4.285e-4	1	1.737e-7	3	-8.666e-5	2
2949	N1475	max	.026	2	.024	1	-.11	3	-1.599e-4	3	6.194e-7	1	-2.034e-6	1
2950		min	0	1	.014	3	-.16	1	-3.223e-4	1	3.86e-7	2	-9.285e-5	2
2951	N1476	max	.063	2	-.012	2	-.176	3	1.34e-4	3	4.565e-3	1	-1.2e-3	3
2952		min	.026	3	-.022	1	-.249	1	-2.507e-5	2	3.878e-3	2	-1.445e-3	1
2953	N1477	max	.111	2	-.011	2	-.26	3	-9.946e-4	3	1.104e-4	2	-4.305e-4	3
2954		min	.074	3	-.017	3	-.346	1	-1.327e-3	1	7.513e-5	1	-5.749e-4	2
2955	N1478	max	.068	2	-.003	1	-.186	3	-1.009e-3	3	-3.649e-3	3	7.94e-4	1
2956		min	.031	3	-.01	3	-.259	1	-1.308e-3	1	-4.217e-3	1	6.216e-4	2
2957	N1479	max	.025	2	.002	1	-.131	3	-1.212e-3	3	9.182e-4	1	4.38e-5	1
2958		min	-.014	1	-.004	3	-.196	1	-1.468e-3	1	7.888e-4	2	-1.027e-4	2
2959	N1480	max	.022	2	-.02	3	-.131	3	-2.069e-4	3	1.898e-5	1	2.219e-4	1
2960		min	-.018	1	-.024	2	-.196	1	-4.269e-4	1	-3.603e-5	3	5.283e-5	2
2961	N1481	max	.022	2	-.032	3	-.131	3	5.711e-4	1	-6.648e-4	3	4.462e-5	1
2962		min	-.017	1	-.045	1	-.196	1	4.911e-4	2	-8.431e-4	1	-1.019e-4	2
2963	N1482	max	.025	2	-.028	3	-.154	3	-7.492e-5	3	-2.225e-3	2	8.338e-4	1
2964		min	-.015	1	-.04	1	-.222	1	-2.233e-4	1	-2.636e-3	1	6.444e-4	2
2965	N1483	max	-.022	2	-.023	3	-.234	3	-6.561e-4	3	-1.117e-4	3	2.618e-4	1
2966		min	-.068	1	-.031	1	-.316	1	-9.336e-4	1	-1.827e-4	2	7.119e-5	2
2967	N1484	max	.019	2	-.009	2	-.161	3	-7.134e-4	3	2.681e-3	1	-3.995e-4	3
2968		min	-.02	1	-.019	1	-.232	1	-9.648e-4	1	2.274e-3	3	-4.126e-4	1
2969	N1485	max	.068	2	-.012	2	-.183	3	6.493e-4	3	3.92e-3	1	-9.55e-4	3
2970		min	.023	3	-.023	1	-.266	1	5.108e-4	2	3.32e-3	2	-1.151e-3	1
2971	N1486	max	.105	2	-.012	2	-.248	3	2.037e-5	3	1.049e-4	2	2.071e-4	1
2972		min	.06	3	-.017	3	-.341	1	-1.314e-4	1	7.115e-5	1	2.791e-5	2
2973	N1487	max	.073	2	-.004	1	-.193	3	-4.845e-4	3	-3.081e-3	3	1.196e-3	1
2974		min	.028	3	-.01	3	-.276	1	-6.868e-4	1	-3.566e-3	1	9.713e-4	2
2975	N1488	max	.033	2	.002	1	-.146	3	-1.256e-3	3	9.713e-4	1	-4.696e-5	3
2976		min	-.014	1	-.005	3	-.222	1	-1.523e-3	1	8.31e-4	2	-1.67e-4	2
2977	N1489	max	.029	2	-.02	3	-.146	3	-1.985e-4	3	2.137e-5	1	-4.582e-5	3
2978		min	-.018	1	-.024	2	-.222	1	-4.165e-4	1	-3.292e-5	3	-1.709e-4	2
2979	N1490	max	.029	2	-.032	3	-.145	3	5.89e-4	1	-6.677e-4	3	-4.468e-5	3
2980		min	-.018	1	-.045	1	-.221	1	5.044e-4	2	-8.442e-4	1	-1.748e-4	2
2981	N1491	max	.036	2	-.029	3	-.161	3	2.768e-4	3	-1.556e-3	2	6.209e-4	1
2982		min	-.01	1	-.041	1	-.24	1	1.976e-4	1	-1.863e-3	1	4.661e-4	2
2983	N1492	max	.002	2	-.024	3	-.22	3	-6.193e-5	3	-8.372e-5	3	-1.127e-4	3
2984		min	-.05	1	-.032	1	-.308	1	-2.263e-4	1	-1.537e-4	2	-2.782e-4	2
2985	N1493	max	.032	2	-.009	2	-.166	3	-3.487e-4	3	1.98e-3	1	-6.352e-4	3
2986		min	-.014	1	-.019	1	-.246	1	-5.219e-4	1	1.665e-3	3	-6.969e-4	1
2987	N1494	max	.033	2	0	3	-.12	3	-2.145e-4	3	-2.671e-8	2	9.992e-6	1
2988		min	0	3	-.009	2	-.178	1	-3.442e-4	1	-3.286e-8	1	-1.562e-4	2
2989	N1495	max	.033	2	-.019	3	-.12	3	-2.194e-4	3	-2.67e-8	2	4.446e-5	1
2990		min	0	3	-.031	1	-.178	1	-4.236e-4	1	-3.286e-8	1	-6.355e-5	2
2991	N1496	max	.033	2	.03	1	-.12	3	-2.155e-4	3	-2.67e-8	2	-1.827e-6	3
2992		min	0	3	.019	3	-.178	1	-4.191e-4	1	-3.286e-8	1	-1.399e-4	2
2993	N1497	max	.033	2	.035	1	-.12	3	-2.203e-4	3	-2.673e-8	2	-1.093e-6	3
2994		min	0	3	.021	3	-.178	1	-4.536e-4	1	-3.286e-8	1	-8.212e-5	2
2995	N1498	max	.033	2	.035	1	-.12	3	-2.431e-4	3	-2.67e-8	2	1.306e-5	1
2996		min	0	3	.021	3	-.178	1	-5.041e-4	1	-3.286e-8	1	-7.067e-5	2
2997	N1499	max	.033	2	.034	1	-.12	3	-2.385e-4	3	-2.67e-8	2	2.474e-5	1
2998		min	0	3	.021	3	-.178	1	-4.914e-4	1	-3.286e-8	1	-6.304e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
2999	N1500	max	.033	2	.033	1	-.12	3	-2.387e-4	3	-2.67e-8	2	3.74e-5	1
3000		min	0	3	.021	3	-.178	1	-4.882e-4	1	-3.286e-8	1	-5.611e-5	2
3001	N1501	max	.033	2	.033	1	-.12	3	-2.357e-4	3	-2.67e-8	2	4.698e-5	1
3002		min	0	3	.02	3	-.178	1	-4.765e-4	1	-3.286e-8	1	-5.295e-5	2
3003	N1502	max	.033	2	.031	1	-.12	3	-2.409e-4	3	-2.67e-8	2	6.297e-5	1
3004		min	0	3	.019	3	-.178	1	-4.831e-4	1	-3.286e-8	1	-4.82e-5	2
3005	N1503	max	.033	2	.03	1	-.12	3	-2.049e-4	3	-2.67e-8	2	2.802e-5	1
3006		min	0	3	.018	3	-.178	1	-3.968e-4	1	-3.286e-8	1	-8.073e-5	2
3007	N1504	max	.033	2	.028	1	-.12	3	-2.362e-4	3	-2.669e-8	2	7.872e-5	1
3008		min	0	3	.017	3	-.178	1	-4.585e-4	1	-3.286e-8	1	-5.108e-5	2
3009	N1505	max	.033	2	.026	1	-.12	3	-2.285e-4	3	-2.669e-8	2	7.204e-5	1
3010		min	0	3	.016	3	-.178	1	-4.32e-4	1	-3.286e-8	1	-6.244e-5	2
3011	N1506	max	.033	2	.024	1	-.12	3	-2.276e-4	3	-2.669e-8	2	7.593e-5	1
3012		min	0	3	.015	2	-.178	1	-4.217e-4	1	-3.286e-8	1	-6.889e-5	2
3013	N1507	max	.033	2	.022	1	-.12	3	-2.251e-4	3	-2.669e-8	2	7.394e-5	1
3014		min	0	3	.013	2	-.178	1	-4.077e-4	1	-3.286e-8	1	-7.918e-5	2
3015	N1508	max	.033	2	.02	1	-.12	3	-2.232e-4	3	-2.669e-8	2	7.285e-5	1
3016		min	0	3	.01	2	-.178	1	-3.967e-4	1	-3.286e-8	1	-9.171e-5	2
3017	N1509	max	.033	2	.017	1	-.12	3	-2.2e-4	3	-2.67e-8	2	5.45e-5	1
3018		min	0	3	.007	2	-.178	1	-3.768e-4	1	-3.286e-8	1	-9.999e-5	2
3019	N1510	max	.033	2	.014	1	-.12	3	-2.19e-4	3	-2.67e-8	2	6.015e-5	1
3020		min	0	3	.005	2	-.178	1	-3.731e-4	1	-3.286e-8	1	-1.19e-4	2
3021	N1511	max	.033	2	.011	1	-.12	3	-2.174e-4	3	-2.67e-8	2	4.96e-5	1
3022		min	0	3	.002	2	-.178	1	-3.631e-4	1	-3.286e-8	1	-1.324e-4	2
3023	N1512	max	.033	2	.009	1	-.12	3	-2.162e-4	3	-2.671e-8	2	3.827e-5	1
3024		min	0	3	0	2	-.178	1	-3.553e-4	1	-3.286e-8	1	-1.476e-4	2
3025	N1513	max	.033	2	.006	1	-.12	3	-2.154e-4	3	-2.671e-8	2	2.566e-5	1
3026		min	0	3	-.003	2	-.178	1	-3.496e-4	1	-3.286e-8	1	-1.608e-4	2
3027	N1514	max	.033	2	.002	1	-.12	3	-2.145e-4	3	-2.671e-8	2	1.007e-5	1
3028		min	0	3	-.006	2	-.178	1	-3.457e-4	1	-3.286e-8	1	-1.814e-4	2
3029	N1515	max	.033	2	-.002	3	-.12	3	-2.149e-4	3	-2.671e-8	2	-5.488e-6	3
3030		min	0	3	-.011	2	-.178	1	-3.461e-4	1	-3.286e-8	1	-2.049e-4	2
3031	N1516	max	.033	2	-.004	3	-.12	3	-2.153e-4	3	-2.671e-8	2	-5.622e-6	3
3032		min	0	3	-.014	2	-.178	1	-3.495e-4	1	-3.286e-8	1	-2.068e-4	2
3033	N1517	max	.033	2	-.006	3	-.12	3	-2.168e-4	3	-2.67e-8	2	-9.324e-6	3
3034		min	0	3	-.016	2	-.178	1	-3.56e-4	1	-3.286e-8	1	-2.172e-4	2
3035	N1518	max	.033	2	-.008	3	-.12	3	-2.184e-4	3	-2.67e-8	2	-1.152e-5	3
3036		min	0	3	-.019	2	-.178	1	-3.643e-4	1	-3.286e-8	1	-2.218e-4	2
3037	N1519	max	.033	2	-.01	3	-.12	3	-2.211e-4	3	-2.67e-8	2	-1.491e-5	3
3038		min	0	3	-.021	2	-.178	1	-3.754e-4	1	-3.286e-8	1	-2.28e-4	2
3039	N1520	max	.033	2	-.011	3	-.12	3	-2.108e-4	3	-2.67e-8	2	5.458e-6	3
3040		min	0	3	-.023	2	-.178	1	-3.661e-4	1	-3.286e-8	1	-1.793e-4	2
3041	N1521	max	.033	2	-.013	3	-.12	3	-2.255e-4	3	-2.669e-8	2	-1.692e-5	3
3042		min	0	3	-.025	2	-.178	1	-3.993e-4	1	-3.286e-8	1	-2.221e-4	2
3043	N1522	max	.033	2	-.015	3	-.12	3	-2.248e-4	3	-2.669e-8	2	-1.384e-5	3
3044		min	0	3	-.026	2	-.178	1	-4.074e-4	1	-3.286e-8	1	-2.082e-4	2
3045	N1523	max	.033	2	-.016	3	-.12	3	-2.274e-4	3	-2.669e-8	2	-1.447e-5	3
3046		min	0	3	-.028	2	-.178	1	-4.216e-4	1	-3.286e-8	1	-2.014e-4	2
3047	N1524	max	.033	2	-.017	3	-.12	3	-2.307e-4	3	-2.669e-8	2	-1.546e-5	3
3048		min	0	3	-.029	2	-.178	1	-4.346e-4	1	-3.286e-8	1	-1.906e-4	2
3049	N1525	max	.033	2	-.018	3	-.12	3	-2.273e-4	3	-2.669e-8	2	-1.088e-5	3
3050		min	0	3	-.03	2	-.178	1	-4.482e-4	1	-3.286e-8	1	-1.82e-4	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3051	N1526	max	.033	2	-.019	3	-.12	3	-2.576e-4	3	-2.67e-8	2	-3.04e-5	3
3052		min	0	3	-.031	1	-.178	1	-4.583e-4	1	-3.286e-8	1	-1.616e-4	2
3053	N1527	max	.033	2	-.02	3	-.12	3	-2.308e-4	3	-2.67e-8	2	-9.283e-6	3
3054		min	0	3	-.032	1	-.178	1	-4.714e-4	1	-3.286e-8	1	-1.536e-4	2
3055	N1528	max	.033	2	-.021	3	-.12	3	-2.392e-4	3	-2.67e-8	2	-9.706e-6	3
3056		min	0	3	-.034	1	-.178	1	-4.807e-4	1	-3.286e-8	1	-1.363e-4	2
3057	N1529	max	.033	2	-.022	3	-.12	3	-2.39e-4	3	-2.67e-8	2	-7.384e-6	3
3058		min	0	3	-.034	1	-.178	1	-4.886e-4	1	-3.286e-8	1	-1.22e-4	2
3059	N1530	max	.033	2	-.022	3	-.12	3	-2.393e-4	3	-2.67e-8	2	-5.182e-6	3
3060		min	0	3	-.035	1	-.178	1	-4.924e-4	1	-3.286e-8	1	-1.074e-4	2
3061	N1531	max	.033	2	-.022	3	-.12	3	-2.452e-4	3	-2.67e-8	2	-3.751e-6	3
3062		min	0	3	-.035	1	-.178	1	-5.066e-4	1	-3.286e-8	1	-9.524e-5	2
3063	N1532	max	.033	2	-.022	3	-.12	3	-2.164e-4	3	-2.67e-8	2	-1.248e-6	3
3064		min	0	3	-.036	1	-.178	1	-4.492e-4	1	-3.286e-8	1	-8.233e-5	2
3065	N1533	max	.033	2	-.022	3	-.12	3	-2.452e-4	3	-2.67e-8	2	1.283e-5	1
3066		min	0	3	-.035	1	-.178	1	-5.071e-4	1	-3.286e-8	1	-7.083e-5	2
3067	N1534	max	.033	2	-.022	3	-.12	3	-2.411e-4	3	-2.67e-8	2	2.528e-5	1
3068		min	0	3	-.035	1	-.178	1	-4.967e-4	1	-3.286e-8	1	-6.24e-5	2
3069	N1535	max	.033	2	-.021	3	-.12	3	-2.403e-4	3	-2.67e-8	2	3.781e-5	1
3070		min	0	3	-.034	1	-.178	1	-4.912e-4	1	-3.286e-8	1	-5.564e-5	2
3071	N1536	max	.033	2	-.021	3	-.12	3	-2.373e-4	3	-2.67e-8	2	4.782e-5	1
3072		min	0	3	-.033	1	-.178	1	-4.796e-4	1	-3.286e-8	1	-5.227e-5	2
3073	N1537	max	.033	2	-.02	3	-.12	3	-2.391e-4	3	-2.67e-8	2	6.104e-5	1
3074		min	0	3	-.032	1	-.178	1	-4.786e-4	1	-3.286e-8	1	-4.835e-5	2
3075	N1538	max	.033	2	-.018	3	-.12	3	-2.348e-4	3	-2.669e-8	2	7.555e-5	1
3076		min	0	3	-.029	1	-.178	1	-4.544e-4	1	-3.286e-8	1	-5.237e-5	2
3077	N1539	max	.033	2	-.017	3	-.12	3	-2.295e-4	3	-2.669e-8	2	7.337e-5	1
3078		min	0	3	-.027	1	-.178	1	-4.339e-4	1	-3.286e-8	1	-6.18e-5	2
3079	N1540	max	.033	2	-.016	2	-.12	3	-2.277e-4	3	-2.669e-8	2	7.604e-5	1
3080		min	0	3	-.025	1	-.178	1	-4.22e-4	1	-3.286e-8	1	-6.967e-5	2
3081	N1541	max	.033	2	-.013	2	-.12	3	-2.252e-4	3	-2.669e-8	2	7.43e-5	1
3082		min	0	3	-.023	1	-.178	1	-4.079e-4	1	-3.286e-8	1	-8.057e-5	2
3083	N1542	max	.033	2	-.011	2	-.12	3	-2.237e-4	3	-2.67e-8	2	7.379e-5	1
3084		min	0	3	-.02	1	-.178	1	-3.971e-4	1	-3.286e-8	1	-9.142e-5	2
3085	N1543	max	.033	2	-.008	2	-.12	3	-2.18e-4	3	-2.67e-8	2	5.016e-5	1
3086		min	0	3	-.018	1	-.178	1	-3.743e-4	1	-3.286e-8	1	-1.039e-4	2
3087	N1544	max	.033	2	-.006	2	-.12	3	-2.197e-4	3	-2.67e-8	2	6.061e-5	1
3088		min	0	3	-.015	1	-.178	1	-3.735e-4	1	-3.286e-8	1	-1.186e-4	2
3089	N1545	max	.033	2	-.003	2	-.12	3	-2.176e-4	3	-2.67e-8	2	4.775e-5	1
3090		min	0	3	-.012	1	-.178	1	-3.626e-4	1	-3.286e-8	1	-1.328e-4	2
3091	N1546	max	.033	2	0	2	-.12	3	-2.163e-4	3	-2.67e-8	2	3.741e-5	1
3092		min	0	3	-.009	1	-.178	1	-3.551e-4	1	-3.286e-8	1	-1.478e-4	2
3093	N1547	max	.033	2	.003	2	-.12	3	-2.154e-4	3	-2.671e-8	2	2.6e-5	1
3094		min	0	3	-.006	1	-.178	1	-3.496e-4	1	-3.286e-8	1	-1.595e-4	2
3095	N1548	max	.033	2	.005	2	-.12	3	-2.132e-4	3	-2.671e-8	2	8.985e-6	1
3096		min	0	3	-.003	1	-.178	1	-3.455e-4	1	-3.286e-8	1	-1.847e-4	2
3097	N1549	max	.033	2	.008	2	-.12	3	-2.067e-4	3	-2.67e-8	2	1.595e-5	1
3098		min	0	3	0	1	-.178	1	-3.455e-4	1	-3.286e-8	1	-1.369e-4	2
3099	N1550	max	.033	2	.011	2	-.12	3	-2.136e-4	3	-2.671e-8	2	-5.07e-6	3
3100		min	0	3	.002	3	-.178	1	-3.459e-4	1	-3.286e-8	1	-2.065e-4	2
3101	N1551	max	.033	2	.013	2	-.12	3	-2.147e-4	3	-2.67e-8	2	-4.574e-6	3
3102		min	0	3	.004	3	-.178	1	-3.489e-4	1	-3.286e-8	1	-2.043e-4	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3103	N1552	max	.033	2	.015	2	-.12	3	-2.16e-4	3	-2.67e-8	2	-7.296e-6	3
3104		min	0	3	.005	3	-.178	1	-3.547e-4	1	-3.286e-8	1	-2.136e-4	2
3105	N1553	max	.033	2	.018	2	-.12	3	-2.17e-4	3	-2.67e-8	2	-8.407e-6	3
3106		min	0	3	.007	3	-.178	1	-3.619e-4	1	-3.286e-8	1	-2.158e-4	2
3107	N1554	max	.033	2	.02	2	-.12	3	-2.197e-4	3	-2.67e-8	2	-1.283e-5	3
3108		min	0	3	.009	3	-.178	1	-3.735e-4	1	-3.286e-8	1	-2.252e-4	2
3109	N1555	max	.033	2	.022	2	-.12	3	-2.127e-4	3	-2.67e-8	2	1.933e-6	3
3110		min	0	3	.011	3	-.178	1	-3.681e-4	1	-3.286e-8	1	-1.828e-4	2
3111	N1556	max	.033	2	.024	2	-.12	3	-2.241e-4	3	-2.669e-8	2	-1.477e-5	3
3112		min	0	3	.012	3	-.178	1	-3.975e-4	1	-3.286e-8	1	-2.202e-4	2
3113	N1557	max	.033	2	.025	2	-.12	3	-2.232e-4	3	-2.669e-8	2	-1.166e-5	3
3114		min	0	3	.014	3	-.178	1	-4.056e-4	1	-3.286e-8	1	-2.077e-4	2
3115	N1558	max	.033	2	.027	2	-.12	3	-2.265e-4	3	-2.669e-8	2	-1.319e-5	3
3116		min	0	3	.015	3	-.178	1	-4.205e-4	1	-3.286e-8	1	-2.01e-4	2
3117	N1559	max	.033	2	.028	2	-.12	3	-2.285e-4	3	-2.669e-8	2	-1.288e-5	3
3118		min	0	3	.016	3	-.178	1	-4.327e-4	1	-3.286e-8	1	-1.891e-4	2
3119	N1560	max	.033	2	.029	2	-.12	3	-2.341e-4	3	-2.67e-8	2	-1.504e-5	3
3120		min	0	3	.018	3	-.178	1	-4.536e-4	1	-3.286e-8	1	-1.839e-4	2
3121	N1561	max	.033	2	.031	1	-.12	3	-2.384e-4	3	-2.669e-8	2	-1.218e-5	3
3122		min	0	3	.019	3	-.178	1	-4.777e-4	1	-3.286e-8	1	-1.548e-4	2
3123	N1562	max	.033	2	.033	1	-.12	3	-2.361e-4	3	-2.669e-8	2	-9.007e-6	3
3124		min	0	3	.02	3	-.178	1	-4.782e-4	1	-3.286e-8	1	-1.36e-4	2
3125	N1563	max	.033	2	.033	1	-.12	3	-2.38e-4	3	-2.669e-8	2	-7.395e-6	3
3126		min	0	3	.021	3	-.178	1	-4.885e-4	1	-3.286e-8	1	-1.222e-4	2
3127	N1564	max	.033	2	.034	1	-.12	3	-2.375e-4	3	-2.67e-8	2	-5.077e-6	3
3128		min	0	3	.021	3	-.178	1	-4.924e-4	1	-3.286e-8	1	-1.075e-4	2
3129	N1565	max	.033	2	.035	1	-.12	3	-2.431e-4	3	-2.674e-8	2	-3.689e-6	3
3130		min	0	3	.021	3	-.178	1	-5.046e-4	1	-3.286e-8	1	-9.514e-5	2
3131	N1566	max	.049	2	-.001	3	-.148	3	-2.336e-4	3	2.02e-7	1	-1.746e-5	3
3132		min	0	3	-.012	2	-.229	1	-3.938e-4	1	1.737e-7	3	-1.199e-4	2
3133	N1567	max	.049	2	-.021	3	-.148	3	-2.475e-4	3	2.02e-7	1	5.639e-6	1
3134		min	0	3	-.036	1	-.229	1	-4.086e-4	1	1.737e-7	3	-9.874e-5	2
3135	N1568	max	.049	2	.034	2	-.148	3	-2.53e-4	3	2.02e-7	1	-1.373e-5	3
3136		min	0	3	.02	3	-.229	1	-4.15e-4	1	1.737e-7	3	-1.167e-4	2
3137	N1569	max	.049	2	.039	1	-.148	3	-2.531e-4	3	2.02e-7	1	-2.534e-6	3
3138		min	0	3	.023	3	-.229	1	-4.125e-4	1	1.737e-7	3	-1.066e-4	2
3139	N1570	max	.049	2	.039	1	-.148	3	-2.193e-4	3	2.02e-7	1	-4.e-6	3
3140		min	0	3	.023	3	-.229	1	-3.366e-4	1	1.737e-7	3	-1.111e-4	2
3141	N1571	max	.049	2	.038	1	-.148	3	-2.256e-4	3	2.02e-7	1	-4.086e-6	3
3142		min	0	3	.022	3	-.229	1	-3.518e-4	1	1.737e-7	3	-1.121e-4	2
3143	N1572	max	.049	2	.038	1	-.148	3	-2.243e-4	3	2.02e-7	1	-5.222e-6	3
3144		min	0	3	.022	3	-.229	1	-3.499e-4	1	1.737e-7	3	-1.148e-4	2
3145	N1573	max	.049	2	.036	1	-.148	3	-2.267e-4	3	2.02e-7	1	-5.021e-6	3
3146		min	0	3	.021	3	-.229	1	-3.568e-4	1	1.737e-7	3	-1.15e-4	2
3147	N1574	max	.049	2	.035	1	-.148	3	-2.185e-4	3	2.02e-7	1	-7.653e-6	3
3148		min	0	3	.021	3	-.229	1	-3.405e-4	1	1.737e-7	3	-1.201e-4	2
3149	N1575	max	.049	2	.033	1	-.148	3	-2.521e-4	3	2.02e-7	1	3.038e-5	1
3150		min	0	3	.02	3	-.229	1	-4.285e-4	1	1.737e-7	3	-8.666e-5	2
3151	N1576	max	.049	2	.032	1	-.148	3	-2.197e-4	3	2.02e-7	1	-9.028e-6	3
3152		min	0	3	.018	3	-.229	1	-3.482e-4	1	1.737e-7	3	-1.2e-4	2
3153	N1577	max	.049	2	.029	1	-.148	3	-2.283e-4	3	2.02e-7	1	-5.341e-6	3
3154		min	0	3	.017	3	-.229	1	-3.686e-4	1	1.737e-7	3	-1.114e-4	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3155	N1578	max	.049	2	.027	1	-.148	3	-2.276e-4	3	2.02e-7	1	-6.964e-6	3
3156		min	0	3	.016	2	-.229	1	-3.69e-4	1	1.737e-7	3	-1.11e-4	2
3157	N1579	max	.049	2	.024	1	-.148	3	-2.287e-4	3	2.02e-7	1	-6.66e-6	3
3158		min	0	3	.013	2	-.229	1	-3.739e-4	1	1.737e-7	3	-1.081e-4	2
3159	N1580	max	.049	2	.022	1	-.148	3	-2.29e-4	3	2.02e-7	1	-7.156e-6	3
3160		min	0	3	.01	2	-.229	1	-3.75e-4	1	1.737e-7	3	-1.037e-4	2
3161	N1581	max	.049	2	.019	1	-.148	3	-2.315e-4	3	2.02e-7	1	-4.311e-6	3
3162		min	0	3	.007	2	-.229	1	-3.903e-4	1	1.737e-7	3	-1.073e-4	2
3163	N1582	max	.049	2	.016	1	-.148	3	-2.311e-4	3	2.02e-7	1	-6.512e-6	3
3164		min	0	3	.004	2	-.229	1	-3.831e-4	1	1.737e-7	3	-9.612e-5	2
3165	N1583	max	.049	2	.012	1	-.148	3	-2.32e-4	3	2.02e-7	1	-5.594e-6	3
3166		min	0	3	0	2	-.229	1	-3.872e-4	1	1.737e-7	3	-9.372e-5	2
3167	N1584	max	.049	2	.009	1	-.148	3	-2.324e-4	3	2.02e-7	1	-5.056e-6	3
3168		min	0	3	-.002	2	-.229	1	-3.896e-4	1	1.737e-7	3	-8.867e-5	2
3169	N1585	max	.049	2	.006	1	-.148	3	-2.326e-4	3	2.02e-7	1	-4.929e-6	3
3170		min	0	3	-.006	2	-.229	1	-3.914e-4	1	1.737e-7	3	-8.615e-5	2
3171	N1586	max	.049	2	.002	1	-.148	3	-2.334e-4	3	2.02e-7	1	-7.267e-7	3
3172		min	0	3	-.009	2	-.229	1	-3.932e-4	1	1.737e-7	3	-7.231e-5	2
3173	N1587	max	.049	2	-.003	3	-.148	3	-2.339e-4	3	2.02e-7	1	4.652e-6	1
3174		min	0	3	-.015	2	-.229	1	-3.937e-4	1	1.737e-7	3	-6.486e-5	2
3175	N1588	max	.049	2	-.005	3	-.148	3	-2.342e-4	3	2.02e-7	1	4.948e-6	1
3176		min	0	3	-.018	2	-.229	1	-3.931e-4	1	1.737e-7	3	-7.158e-5	2
3177	N1589	max	.049	2	-.007	3	-.148	3	-2.332e-4	3	2.02e-7	1	1.194e-5	1
3178		min	0	3	-.02	2	-.229	1	-3.905e-4	1	1.737e-7	3	-6.485e-5	2
3179	N1590	max	.049	2	-.009	3	-.148	3	-2.325e-4	3	2.02e-7	1	1.519e-5	1
3180		min	0	3	-.023	2	-.229	1	-3.878e-4	1	1.737e-7	3	-6.429e-5	2
3181	N1591	max	.049	2	-.011	3	-.148	3	-2.3e-4	3	2.02e-7	1	2.497e-5	1
3182		min	0	3	-.025	2	-.229	1	-3.818e-4	1	1.737e-7	3	-5.382e-5	2
3183	N1592	max	.049	2	-.013	3	-.148	3	-2.477e-4	3	2.02e-7	1	-2.413e-5	3
3184		min	0	3	-.028	2	-.229	1	-4.091e-4	1	1.737e-7	3	-1.24e-4	2
3185	N1593	max	.049	2	-.015	3	-.148	3	-2.287e-4	3	2.02e-7	1	2.872e-5	1
3186		min	0	3	-.03	2	-.229	1	-3.746e-4	1	1.737e-7	3	-5.581e-5	2
3187	N1594	max	.049	2	-.016	3	-.148	3	-2.322e-4	3	2.02e-7	1	2.068e-5	1
3188		min	0	3	-.031	2	-.229	1	-3.78e-4	1	1.737e-7	3	-6.94e-5	2
3189	N1595	max	.049	2	-.018	3	-.148	3	-2.311e-4	3	2.02e-7	1	2.208e-5	1
3190		min	0	3	-.033	2	-.229	1	-3.731e-4	1	1.737e-7	3	-6.991e-5	2
3191	N1596	max	.049	2	-.019	3	-.148	3	-2.26e-4	3	2.02e-7	1	2.414e-5	1
3192		min	0	3	-.034	2	-.229	1	-3.658e-4	1	1.737e-7	3	-7.165e-5	2
3193	N1597	max	.049	2	-.021	3	-.148	3	-2.423e-4	3	2.02e-7	1	1.512e-5	1
3194		min	0	3	-.035	2	-.229	1	-3.745e-4	1	1.737e-7	3	-7.959e-5	2
3195	N1598	max	.049	2	-.022	3	-.148	3	-1.592e-4	3	2.02e-7	1	3.836e-5	1
3196		min	0	3	-.036	2	-.229	1	-3.2e-4	1	1.737e-7	3	-7.985e-5	2
3197	N1599	max	.049	2	-.023	3	-.148	3	-2.395e-4	3	2.02e-7	1	5.973e-6	1
3198		min	0	3	-.038	1	-.229	1	-3.65e-4	1	1.737e-7	3	-9.278e-5	2
3199	N1600	max	.049	2	-.023	3	-.148	3	-2.198e-4	3	2.02e-7	1	1.024e-5	1
3200		min	0	3	-.039	1	-.229	1	-3.486e-4	1	1.737e-7	3	-9.211e-5	2
3201	N1601	max	.049	2	-.024	3	-.148	3	-2.243e-4	3	2.02e-7	1	5.365e-6	1
3202		min	0	3	-.04	1	-.229	1	-3.498e-4	1	1.737e-7	3	-9.731e-5	2
3203	N1602	max	.049	2	-.024	3	-.148	3	-2.245e-4	3	2.02e-7	1	1.241e-6	1
3204		min	0	3	-.041	1	-.229	1	-3.504e-4	1	1.737e-7	3	-1.02e-4	2
3205	N1603	max	.049	2	-.025	3	-.148	3	-2.164e-4	3	2.02e-7	1	-3.52e-7	1
3206		min	0	3	-.041	1	-.229	1	-3.332e-4	1	1.737e-7	3	-1.04e-4	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3207	N1604	max	.049	2	-.025	3	-.148	3	-2.594e-4	3	2.02e-7	1	-4.087e-6	3
3208		min	0	3	-.041	1	-.229	1	-4.198e-4	1	1.737e-7	3	-1.081e-4	2
3209	N1605	max	.049	2	-.025	3	-.148	3	-2.168e-4	3	2.02e-7	1	-4.755e-6	3
3210		min	0	3	-.041	1	-.229	1	-3.33e-4	1	1.737e-7	3	-1.118e-4	2
3211	N1606	max	.049	2	-.024	3	-.148	3	-2.235e-4	3	2.02e-7	1	-4.921e-6	3
3212		min	0	3	-.041	1	-.229	1	-3.47e-4	1	1.737e-7	3	-1.133e-4	2
3213	N1607	max	.049	2	-.024	3	-.148	3	-2.23e-4	3	2.02e-7	1	-6.219e-6	3
3214		min	0	3	-.04	1	-.229	1	-3.472e-4	1	1.737e-7	3	-1.16e-4	2
3215	N1608	max	.049	2	-.023	3	-.148	3	-2.258e-4	3	2.02e-7	1	-6.484e-6	3
3216		min	0	3	-.039	1	-.229	1	-3.544e-4	1	1.737e-7	3	-1.165e-4	2
3217	N1609	max	.049	2	-.022	3	-.148	3	-2.212e-4	3	2.02e-7	1	-9.32e-6	3
3218		min	0	3	-.037	1	-.229	1	-3.453e-4	1	1.737e-7	3	-1.202e-4	2
3219	N1610	max	.049	2	-.02	3	-.148	3	-2.225e-4	3	2.02e-7	1	-9.518e-6	3
3220		min	0	3	-.034	1	-.229	1	-3.529e-4	1	1.737e-7	3	-1.188e-4	2
3221	N1611	max	.049	2	-.019	3	-.148	3	-2.278e-4	3	2.02e-7	1	-6.344e-6	3
3222		min	0	3	-.032	1	-.229	1	-3.673e-4	1	1.737e-7	3	-1.121e-4	2
3223	N1612	max	.049	2	-.018	2	-.148	3	-2.278e-4	3	2.02e-7	1	-7.465e-6	3
3224		min	0	3	-.029	1	-.229	1	-3.693e-4	1	1.737e-7	3	-1.105e-4	2
3225	N1613	max	.049	2	-.015	2	-.148	3	-2.292e-4	3	2.02e-7	1	-7.155e-6	3
3226		min	0	3	-.027	1	-.229	1	-3.744e-4	1	1.737e-7	3	-1.07e-4	2
3227	N1614	max	.049	2	-.012	2	-.148	3	-2.286e-4	3	2.02e-7	1	-8.755e-6	3
3228		min	0	3	-.024	1	-.229	1	-3.748e-4	1	1.737e-7	3	-1.046e-4	2
3229	N1615	max	.049	2	-.009	2	-.148	3	-2.344e-4	3	2.02e-7	1	1.151e-6	3
3230		min	0	3	-.021	1	-.229	1	-3.937e-4	1	1.737e-7	3	-1.016e-4	2
3231	N1616	max	.049	2	-.006	2	-.148	3	-2.294e-4	3	2.02e-7	1	-7.406e-6	3
3232		min	0	3	-.018	1	-.229	1	-3.815e-4	1	1.737e-7	3	-9.645e-5	2
3233	N1617	max	.049	2	-.002	2	-.148	3	-2.307e-4	3	2.02e-7	1	-5.282e-6	3
3234		min	0	3	-.015	1	-.229	1	-3.865e-4	1	1.737e-7	3	-9.274e-5	2
3235	N1618	max	.049	2	0	2	-.148	3	-2.312e-4	3	2.02e-7	1	-4.843e-6	3
3236		min	0	3	-.011	1	-.229	1	-3.886e-4	1	1.737e-7	3	-8.802e-5	2
3237	N1619	max	.049	2	.004	2	-.148	3	-2.315e-4	3	2.02e-7	1	-5.824e-6	3
3238		min	0	3	-.008	1	-.229	1	-3.904e-4	1	1.737e-7	3	-8.777e-5	2
3239	N1620	max	.049	2	.007	2	-.148	3	-2.335e-4	3	2.02e-7	1	2.216e-6	3
3240		min	0	3	-.004	1	-.229	1	-3.946e-4	1	1.737e-7	3	-6.711e-5	2
3241	N1621	max	.049	2	.01	2	-.148	3	-2.388e-4	3	2.02e-7	1	-3.049e-5	3
3242		min	0	3	0	1	-.229	1	-4.085e-4	1	1.737e-7	3	-1.469e-4	2
3243	N1622	max	.049	2	.013	2	-.148	3	-2.342e-4	3	2.02e-7	1	6.209e-6	1
3244		min	0	3	.001	3	-.229	1	-3.953e-4	1	1.737e-7	3	-6.128e-5	2
3245	N1623	max	.049	2	.016	2	-.148	3	-2.339e-4	3	2.02e-7	1	2.632e-6	1
3246		min	0	3	.003	3	-.229	1	-3.931e-4	1	1.737e-7	3	-7.458e-5	2
3247	N1624	max	.049	2	.018	2	-.148	3	-2.332e-4	3	2.02e-7	1	8.342e-6	1
3248		min	0	3	.005	3	-.229	1	-3.909e-4	1	1.737e-7	3	-6.847e-5	2
3249	N1625	max	.049	2	.021	2	-.148	3	-2.332e-4	3	2.02e-7	1	9.475e-6	1
3250		min	0	3	.007	3	-.229	1	-3.894e-4	1	1.737e-7	3	-7.022e-5	2
3251	N1626	max	.049	2	.023	2	-.148	3	-2.308e-4	3	2.02e-7	1	2.083e-5	1
3252		min	0	3	.009	3	-.229	1	-3.832e-4	1	1.737e-7	3	-5.74e-5	2
3253	N1627	max	.049	2	.026	2	-.148	3	-2.431e-4	3	2.02e-7	1	-1.907e-5	3
3254		min	0	3	.011	3	-.229	1	-4.039e-4	1	1.737e-7	3	-1.189e-4	2
3255	N1628	max	.049	2	.028	2	-.148	3	-2.283e-4	3	2.02e-7	1	2.382e-5	1
3256		min	0	3	.013	3	-.229	1	-3.745e-4	1	1.737e-7	3	-5.943e-5	2
3257	N1629	max	.049	2	.029	2	-.148	3	-2.318e-4	3	2.02e-7	1	1.628e-5	1
3258		min	0	3	.015	3	-.229	1	-3.775e-4	1	1.737e-7	3	-7.144e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3259	N1630	max	.049	2	.031	2	-.148	3	-2.296e-4	3	2.02e-7	1	1.922e-5	1
3260		min	0	3	.016	3	-.229	1	-3.714e-4	1	1.737e-7	3	-7.142e-5	2
3261	N1631	max	.049	2	.032	2	-.148	3	-2.294e-4	3	2.02e-7	1	1.733e-5	1
3262		min	0	3	.017	3	-.229	1	-3.692e-4	1	1.737e-7	3	-7.679e-5	2
3263	N1632	max	.049	2	.033	2	-.148	3	-2.233e-4	3	2.02e-7	1	2.52e-5	1
3264		min	0	3	.019	3	-.229	1	-3.539e-4	1	1.737e-7	3	-7.075e-5	2
3265	N1633	max	.049	2	.035	1	-.148	3	-2.213e-4	3	2.02e-7	1	1.905e-5	1
3266		min	0	3	.021	3	-.229	1	-3.456e-4	1	1.737e-7	3	-8.126e-5	2
3267	N1634	max	.049	2	.037	1	-.148	3	-2.268e-4	3	2.02e-7	1	1.082e-5	1
3268		min	0	3	.022	3	-.229	1	-3.557e-4	1	1.737e-7	3	-9.137e-5	2
3269	N1635	max	.049	2	.038	1	-.148	3	-2.251e-4	3	2.02e-7	1	8.616e-6	1
3270		min	0	3	.022	3	-.229	1	-3.496e-4	1	1.737e-7	3	-9.463e-5	2
3271	N1636	max	.049	2	.038	1	-.148	3	-2.267e-4	3	2.02e-7	1	4.254e-6	1
3272		min	0	3	.023	3	-.229	1	-3.509e-4	1	1.737e-7	3	-9.955e-5	2
3273	N1637	max	.049	2	.039	1	-.148	3	-2.191e-4	3	2.02e-7	1	2.31e-6	1
3274		min	0	3	.023	3	-.229	1	-3.358e-4	1	1.737e-7	3	-1.018e-4	2
3275	N1638	max	.052	2	.007	2	-.159	3	-3.782e-4	3	2.285e-7	1	6.604e-6	1
3276		min	0	3	-.002	1	-.246	1	-5.788e-4	1	1.962e-7	3	-1.12e-4	2
3277	N1639	max	.052	2	-.019	3	-.158	3	-3.929e-4	3	2.285e-7	1	-1.26e-5	3
3278		min	0	3	-.03	1	-.246	1	-5.957e-4	1	1.962e-7	3	-1.304e-4	2
3279	N1640	max	.052	2	.024	1	-.159	3	-3.743e-4	3	2.285e-7	1	-1.967e-6	3
3280		min	0	1	.014	3	-.246	1	-5.74e-4	1	1.962e-7	3	-1.201e-4	2
3281	N1641	max	.059	2	.007	2	-.174	3	-1.484e-4	3	2.771e-7	1	-5.171e-6	3
3282		min	0	3	-.001	1	-.271	1	-3.171e-4	1	2.376e-7	3	-1.241e-4	2
3283	N1642	max	.059	2	-.019	3	-.174	3	-1.487e-4	3	2.771e-7	1	6.62e-7	1
3284		min	0	3	-.03	1	-.271	1	-3.134e-4	1	2.376e-7	3	-1.218e-4	2
3285	N1643	max	.06	2	.025	1	-.174	3	-1.426e-4	3	2.771e-7	1	-7.626e-6	3
3286		min	0	3	.014	3	-.271	1	-3.063e-4	1	2.376e-7	3	-1.32e-4	2
3287	N1644	max	.064	2	.007	2	-.179	3	-2.3e-4	3	3.088e-7	1	8.912e-6	1
3288		min	0	3	-.001	1	-.282	1	-3.943e-4	1	2.646e-7	3	-1.203e-4	2
3289	N1645	max	.064	2	-.019	3	-.179	3	-2.225e-4	3	3.088e-7	1	1.364e-6	3
3290		min	0	3	-.03	1	-.282	1	-4.03e-4	1	2.646e-7	3	-1.201e-4	2
3291	N1646	max	.064	2	.025	1	-.179	3	-2.474e-4	3	3.088e-7	1	1.739e-5	1
3292		min	0	3	.015	3	-.282	1	-4.319e-4	1	2.646e-7	3	-9.823e-5	2
3293	N1647	max	.076	2	-.003	2	-.2	3	-1.052e-4	3	4.289e-3	1	-7.476e-4	3
3294		min	.024	3	-.012	1	-.294	1	-2.474e-4	1	3.654e-3	2	-8.949e-4	1
3295	N1648	max	.126	2	0	2	-.287	3	-1.027e-3	3	8.693e-5	2	-4.133e-4	3
3296		min	.074	3	-.006	3	-.396	1	-1.341e-3	1	7.017e-5	1	-5.378e-4	2
3297	N1649	max	.081	2	.009	1	-.208	3	-7.519e-4	3	-3.421e-3	3	3.328e-4	1
3298		min	.029	3	.001	3	-.303	1	-9.975e-4	1	-3.971e-3	1	2.089e-4	2
3299	N1650	max	.048	2	.014	1	-.159	3	-5.924e-4	3	3.16e-4	1	1.712e-5	1
3300		min	-.005	1	.006	3	-.246	1	-7.725e-4	1	2.723e-4	2	-1.035e-4	2
3301	N1651	max	.046	2	-.009	3	-.159	3	-3.014e-4	3	8.871e-5	1	1.056e-4	1
3302		min	-.008	1	-.013	2	-.246	1	-5.106e-4	1	4.552e-5	3	-2.872e-5	2
3303	N1652	max	.044	2	-.024	3	-.158	3	1.526e-4	3	-3.476e-4	3	1.204e-5	1
3304		min	-.009	1	-.035	1	-.246	1	9.278e-5	2	-4.457e-4	1	-1.079e-4	2
3305	N1653	max	.035	2	-.02	3	-.19	3	-3.727e-4	3	-2.911e-3	2	2.967e-4	1
3306		min	-.02	1	-.031	1	-.282	1	-5.577e-4	1	-3.422e-3	1	1.715e-4	2
3307	N1654	max	-.016	2	-.012	3	-.277	3	-8.702e-4	3	-1.468e-4	3	3.573e-4	1
3308		min	-.079	1	-.019	1	-.384	1	-1.161e-3	1	-1.888e-4	1	1.744e-4	2
3309	N1655	max	.029	2	.002	2	-.199	3	-4.929e-4	3	3.426e-3	1	1.017e-4	1
3310		min	-.027	1	-.006	1	-.294	1	-6.974e-4	1	2.922e-3	3	1.219e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3311	N1656	max	.079	2	-.004	2	-.207	3	3.24e-4	3	3.478e-3	1	-5.362e-4	3
3312		min	.02	3	-.013	1	-.31	1	1.925e-4	2	2.958e-3	2	-6.501e-4	1
3313	N1657	max	.116	2	0	2	-.272	3	-5.753e-5	3	7.187e-5	2	1.828e-4	1
3314		min	.058	3	-.006	3	-.385	1	-2.138e-4	1	5.415e-5	1	2.49e-5	2
3315	N1658	max	.083	2	.009	1	-.215	3	-2.993e-4	3	-2.745e-3	3	6.652e-4	1
3316		min	.024	3	.001	3	-.318	1	-4.761e-4	1	-3.182e-3	1	4.93e-4	2
3317	N1659	max	.055	2	.014	1	-.174	3	-6.204e-4	3	3.466e-4	1	-2.134e-5	3
3318		min	-.004	1	.006	3	-.271	1	-8.09e-4	1	2.968e-4	2	-1.418e-4	2
3319	N1660	max	.053	2	-.01	3	-.174	3	-2.949e-4	3	8.305e-5	1	-2.455e-5	3
3320		min	-.007	1	-.014	2	-.271	1	-5.018e-4	1	4.154e-5	3	-1.474e-4	2
3321	N1661	max	.051	2	-.024	3	-.174	3	1.533e-4	3	-3.444e-4	3	-2.776e-5	3
3322		min	-.009	1	-.035	1	-.271	1	8.937e-5	2	-4.388e-4	1	-1.529e-4	2
3323	N1662	max	.046	2	-.02	3	-.197	3	-2.009e-5	3	-2.16e-3	2	5.635e-5	1
3324		min	-.015	1	-.031	1	-.298	1	-1.524e-4	1	-2.547e-3	1	-3.614e-5	2
3325	N1663	max	.009	2	-.012	3	-.261	3	-8.858e-5	3	-1.171e-4	3	-1.346e-4	3
3326		min	-.058	1	-.019	1	-.373	1	-2.49e-4	1	-1.576e-4	2	-2.728e-4	2
3327	N1664	max	.041	2	.002	2	-.204	3	-9.243e-5	3	2.596e-3	1	-1.844e-4	3
3328		min	-.02	1	-.006	1	-.307	1	-2.314e-4	1	2.206e-3	3	-2.398e-4	2
3329	N1665	max	.064	2	-.002	2	-.179	3	-2.649e-4	3	3.088e-7	1	-2.949e-6	3
3330		min	0	3	-.002	1	-.282	1	-4.363e-4	1	2.646e-7	3	-1.119e-4	2
3331	N1666	max	.064	2	.04	1	-.179	3	-2.425e-4	3	3.088e-7	1	-1.258e-5	3
3332		min	0	3	.023	3	-.282	1	-4.321e-4	1	2.646e-7	3	-1.177e-4	2
3333	N1667	max	.064	2	.04	1	-.179	3	-2.883e-4	3	3.088e-7	1	3.968e-6	1
3334		min	0	3	.023	3	-.282	1	-5.346e-4	1	2.646e-7	3	-1.051e-4	2
3335	N1668	max	.064	2	.04	1	-.179	3	-2.786e-4	3	3.088e-7	1	1.174e-5	1
3336		min	0	3	.023	3	-.282	1	-5.119e-4	1	2.646e-7	3	-1.001e-4	2
3337	N1669	max	.064	2	.039	1	-.179	3	-2.794e-4	3	3.088e-7	1	2.13e-5	1
3338		min	0	3	.022	3	-.282	1	-5.127e-4	1	2.646e-7	3	-9.401e-5	2
3339	N1670	max	.064	2	.038	1	-.179	3	-2.766e-4	3	3.088e-7	1	2.808e-5	1
3340		min	0	3	.022	3	-.282	1	-5.045e-4	1	2.646e-7	3	-9.064e-5	2
3341	N1671	max	.064	2	.036	1	-.179	3	-2.784e-4	3	3.088e-7	1	4.021e-5	1
3342		min	0	3	.021	3	-.282	1	-5.093e-4	1	2.646e-7	3	-8.478e-5	2
3343	N1672	max	.064	2	.034	1	-.179	3	-2.474e-4	3	3.088e-7	1	1.739e-5	1
3344		min	0	3	.02	3	-.282	1	-4.319e-4	1	2.646e-7	3	-9.823e-5	2
3345	N1673	max	.064	2	.032	1	-.179	3	-2.695e-4	3	3.088e-7	1	5.731e-5	1
3346		min	0	3	.019	3	-.282	1	-4.88e-4	1	2.646e-7	3	-7.949e-5	2
3347	N1674	max	.064	2	.03	1	-.179	3	-2.633e-4	3	3.088e-7	1	5.127e-5	1
3348		min	0	3	.017	3	-.282	1	-4.7e-4	1	2.646e-7	3	-8.712e-5	2
3349	N1675	max	.064	2	.028	1	-.179	3	-2.608e-4	3	3.088e-7	1	5.311e-5	1
3350		min	0	3	.016	2	-.282	1	-4.628e-4	1	2.646e-7	3	-9.092e-5	2
3351	N1676	max	.064	2	.025	1	-.179	3	-2.578e-4	3	3.088e-7	1	5.06e-5	1
3352		min	0	3	.013	2	-.282	1	-4.53e-4	1	2.646e-7	3	-9.649e-5	2
3353	N1677	max	.064	2	.022	1	-.179	3	-2.559e-4	3	3.088e-7	1	5.256e-5	1
3354		min	0	3	.01	2	-.282	1	-4.481e-4	1	2.646e-7	3	-1.053e-4	2
3355	N1678	max	.064	2	.019	1	-.179	3	-2.537e-4	3	3.088e-7	1	2.271e-5	1
3356		min	0	3	.007	2	-.282	1	-4.246e-4	1	2.646e-7	3	-1.03e-4	2
3357	N1679	max	.064	2	.016	1	-.179	3	-2.491e-4	3	3.088e-7	1	4.434e-5	1
3358		min	0	3	.004	2	-.282	1	-4.298e-4	1	2.646e-7	3	-1.214e-4	2
3359	N1680	max	.064	2	.012	1	-.179	3	-2.465e-4	3	3.088e-7	1	3.309e-5	1
3360		min	0	3	0	2	-.282	1	-4.218e-4	1	2.646e-7	3	-1.284e-4	2
3361	N1681	max	.064	2	.009	1	-.179	3	-2.454e-4	3	3.088e-7	1	2.518e-5	1
3362		min	0	3	-.003	2	-.282	1	-4.174e-4	1	2.646e-7	3	-1.393e-4	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3363	N1682	max	.064	2	.005	1	-.179	3	-2.451e-4	3	3.088e-7	1	1.656e-5	1
3364		min	0	3	-.006	2	-.282	1	-4.145e-4	1	2.646e-7	3	-1.462e-4	2
3365	N1683	max	.064	2	.002	1	-.179	3	-2.443e-4	3	3.088e-7	1	1.236e-6	1
3366		min	0	3	-.01	2	-.282	1	-4.116e-4	1	2.646e-7	3	-1.689e-4	2
3367	N1684	max	.064	2	-.002	3	-.179	3	-2.422e-4	3	3.088e-7	1	2.065e-5	1
3368		min	0	3	-.013	2	-.282	1	-4.067e-4	1	2.646e-7	3	-1.102e-4	2
3369	N1685	max	.064	2	-.004	3	-.179	3	-2.425e-4	3	3.088e-7	1	-1.078e-5	3
3370		min	0	3	-.016	2	-.282	1	-4.096e-4	1	2.646e-7	3	-1.857e-4	2
3371	N1686	max	.064	2	-.006	3	-.179	3	-2.441e-4	3	3.088e-7	1	-8.774e-6	3
3372		min	0	3	-.019	2	-.282	1	-4.132e-4	1	2.646e-7	3	-1.789e-4	2
3373	N1687	max	.064	2	-.008	3	-.179	3	-2.478e-4	3	3.088e-7	1	-1.4e-5	3
3374		min	0	3	-.022	2	-.282	1	-4.202e-4	1	2.646e-7	3	-1.897e-4	2
3375	N1688	max	.064	2	-.01	3	-.179	3	-2.513e-4	3	3.088e-7	1	-1.483e-5	3
3376		min	0	3	-.024	2	-.282	1	-4.275e-4	1	2.646e-7	3	-1.902e-4	2
3377	N1689	max	.064	2	-.012	3	-.179	3	-2.592e-4	3	3.088e-7	1	-2.288e-5	3
3378		min	0	3	-.027	2	-.282	1	-4.417e-4	1	2.646e-7	3	-2.074e-4	2
3379	N1690	max	.064	2	-.014	3	-.179	3	-2.43e-4	3	3.088e-7	1	2.236e-5	3
3380		min	0	3	-.029	2	-.282	1	-4.124e-4	1	2.646e-7	3	-1.099e-4	2
3381	N1691	max	.064	2	-.016	3	-.179	3	-2.621e-4	3	3.088e-7	1	-2.738e-5	3
3382		min	0	3	-.031	2	-.282	1	-4.554e-4	1	2.646e-7	3	-2.067e-4	2
3383	N1692	max	.064	2	-.018	3	-.179	3	-2.588e-4	3	3.088e-7	1	-1.937e-5	3
3384		min	0	3	-.033	2	-.282	1	-4.541e-4	1	2.646e-7	3	-1.858e-4	2
3385	N1693	max	.064	2	-.019	3	-.179	3	-2.66e-4	3	3.088e-7	1	-2.08e-5	3
3386		min	0	3	-.035	2	-.282	1	-4.689e-4	1	2.646e-7	3	-1.85e-4	2
3387	N1694	max	.064	2	-.021	3	-.179	3	-2.66e-4	3	3.088e-7	1	-1.481e-5	3
3388		min	0	3	-.036	2	-.282	1	-4.731e-4	1	2.646e-7	3	-1.724e-4	2
3389	N1695	max	.064	2	-.022	3	-.179	3	-2.861e-4	3	3.088e-7	1	-2.508e-5	3
3390		min	0	3	-.037	2	-.282	1	-5.074e-4	1	2.646e-7	3	-1.828e-4	2
3391	N1696	max	.064	2	-.023	3	-.179	3	-2.225e-4	3	3.088e-7	1	1.363e-6	3
3392		min	0	3	-.038	2	-.282	1	-4.03e-4	1	2.646e-7	3	-1.201e-4	2
3393	N1697	max	.064	2	-.024	3	-.179	3	-2.854e-4	3	3.088e-7	1	-3.291e-5	3
3394		min	0	3	-.04	1	-.282	1	-5.176e-4	1	2.646e-7	3	-1.745e-4	2
3395	N1698	max	.064	2	-.025	3	-.179	3	-2.708e-4	3	3.088e-7	1	-2.e-5	3
3396		min	0	3	-.041	1	-.282	1	-4.978e-4	1	2.646e-7	3	-1.514e-4	2
3397	N1699	max	.064	2	-.025	3	-.179	3	-2.796e-4	3	3.088e-7	1	-1.691e-5	3
3398		min	0	3	-.042	1	-.282	1	-5.129e-4	1	2.646e-7	3	-1.426e-4	2
3399	N1700	max	.064	2	-.026	3	-.179	3	-2.778e-4	3	3.088e-7	1	-1.064e-5	3
3400		min	0	3	-.043	1	-.282	1	-5.11e-4	1	2.646e-7	3	-1.296e-4	2
3401	N1701	max	.064	2	-.026	3	-.179	3	-2.913e-4	3	3.088e-7	1	-8.164e-6	3
3402		min	0	3	-.043	1	-.282	1	-5.382e-4	1	2.646e-7	3	-1.219e-4	2
3403	N1702	max	.064	2	-.026	3	-.179	3	-2.336e-4	3	3.088e-7	1	-1.246e-5	3
3404		min	0	3	-.043	1	-.282	1	-4.216e-4	1	2.646e-7	3	-1.167e-4	2
3405	N1703	max	.064	2	-.026	3	-.179	3	-2.918e-4	3	3.088e-7	1	5.864e-7	1
3406		min	0	3	-.043	1	-.282	1	-5.393e-4	1	2.646e-7	3	-1.078e-4	2
3407	N1704	max	.064	2	-.026	3	-.179	3	-2.81e-4	3	3.088e-7	1	1.04e-5	1
3408		min	0	3	-.043	1	-.282	1	-5.167e-4	1	2.646e-7	3	-1.011e-4	2
3409	N1705	max	.064	2	-.025	3	-.179	3	-2.812e-4	3	3.088e-7	1	2.286e-5	1
3410		min	0	3	-.042	1	-.282	1	-5.161e-4	1	2.646e-7	3	-9.254e-5	2
3411	N1706	max	.064	2	-.024	3	-.179	3	-2.757e-4	3	3.088e-7	1	3.128e-5	1
3412		min	0	3	-.041	1	-.282	1	-5.035e-4	1	2.646e-7	3	-8.782e-5	2
3413	N1707	max	.064	2	-.024	3	-.179	3	-2.804e-4	3	3.088e-7	1	4.69e-5	1
3414		min	0	3	-.039	1	-.282	1	-5.128e-4	1	2.646e-7	3	-7.921e-5	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3415	N1708	max	.064	2	-.023	3	-.179	3	-2.432e-4	3	3.088e-7	1	6.68e-6	1
3416		min	0	3	-.038	1	-.282	1	-4.265e-4	1	2.646e-7	3	-1.062e-4	2
3417	N1709	max	.064	2	-.021	3	-.179	3	-2.765e-4	3	3.088e-7	1	5.385e-5	1
3418		min	0	3	-.036	1	-.282	1	-4.976e-4	1	2.646e-7	3	-8.242e-5	2
3419	N1710	max	.064	2	-.02	3	-.179	3	-2.659e-4	3	3.088e-7	1	4.64e-5	1
3420		min	0	3	-.033	1	-.282	1	-4.731e-4	1	2.646e-7	3	-9.114e-5	2
3421	N1711	max	.064	2	-.019	2	-.179	3	-2.628e-4	3	3.088e-7	1	5.175e-5	1
3422		min	0	3	-.031	1	-.282	1	-4.655e-4	1	2.646e-7	3	-9.27e-5	2
3423	N1712	max	.064	2	-.016	2	-.179	3	-2.575e-4	3	3.088e-7	1	5.045e-5	1
3424		min	0	3	-.028	1	-.282	1	-4.529e-4	1	2.646e-7	3	-9.794e-5	2
3425	N1713	max	.064	2	-.013	2	-.179	3	-2.556e-4	3	3.088e-7	1	5.535e-5	1
3426		min	0	3	-.025	1	-.282	1	-4.478e-4	1	2.646e-7	3	-1.031e-4	2
3427	N1714	max	.064	2	-.009	2	-.179	3	-2.499e-4	3	3.088e-7	1	1.358e-5	1
3428		min	0	3	-.022	1	-.282	1	-4.206e-4	1	2.646e-7	3	-1.105e-4	2
3429	N1715	max	.064	2	-.006	2	-.179	3	-2.523e-4	3	3.088e-7	1	4.438e-5	1
3430		min	0	3	-.019	1	-.282	1	-4.336e-4	1	2.646e-7	3	-1.211e-4	2
3431	N1716	max	.064	2	-.003	2	-.179	3	-2.473e-4	3	3.088e-7	1	3.046e-5	1
3432		min	0	3	-.015	1	-.282	1	-4.224e-4	1	2.646e-7	3	-1.295e-4	2
3433	N1717	max	.064	2	0	2	-.179	3	-2.442e-4	3	3.088e-7	1	2.492e-5	1
3434		min	0	3	-.012	1	-.282	1	-4.16e-4	1	2.646e-7	3	-1.386e-4	2
3435	N1718	max	.064	2	.004	2	-.179	3	-2.412e-4	3	3.088e-7	1	1.631e-5	1
3436		min	0	3	-.008	1	-.282	1	-4.102e-4	1	2.646e-7	3	-1.463e-4	2
3437	N1719	max	.064	2	.007	2	-.179	3	-2.375e-4	3	3.088e-7	1	5.157e-6	1
3438		min	0	3	-.005	1	-.282	1	-4.042e-4	1	2.646e-7	3	-1.641e-4	2
3439	N1720	max	.064	2	.01	2	-.179	3	-2.3e-4	3	3.088e-7	1	8.912e-6	1
3440		min	0	3	-.001	1	-.282	1	-3.943e-4	1	2.646e-7	3	-1.203e-4	2
3441	N1721	max	.064	2	.013	2	-.179	3	-2.435e-4	3	3.088e-7	1	-6.003e-6	3
3442		min	0	3	.001	3	-.282	1	-4.112e-4	1	2.646e-7	3	-1.792e-4	2
3443	N1722	max	.064	2	.016	2	-.179	3	-2.456e-4	3	3.088e-7	1	-8.521e-6	3
3444		min	0	3	.003	3	-.282	1	-4.153e-4	1	2.646e-7	3	-1.78e-4	2
3445	N1723	max	.064	2	.019	2	-.179	3	-2.467e-4	3	3.088e-7	1	-1.179e-5	3
3446		min	0	3	.005	3	-.282	1	-4.189e-4	1	2.646e-7	3	-1.855e-4	2
3447	N1724	max	.064	2	.022	2	-.179	3	-2.476e-4	3	3.088e-7	1	-1.312e-5	3
3448		min	0	3	.007	3	-.282	1	-4.228e-4	1	2.646e-7	3	-1.855e-4	2
3449	N1725	max	.064	2	.024	2	-.179	3	-2.532e-4	3	3.088e-7	1	-2.156e-5	3
3450		min	0	3	.009	3	-.282	1	-4.347e-4	1	2.646e-7	3	-2.05e-4	2
3451	N1726	max	.064	2	.026	2	-.179	3	-2.441e-4	3	3.088e-7	1	1.178e-5	3
3452		min	0	3	.011	3	-.282	1	-4.141e-4	1	2.646e-7	3	-1.199e-4	2
3453	N1727	max	.064	2	.029	2	-.179	3	-2.604e-4	3	3.088e-7	1	-2.385e-5	3
3454		min	0	3	.013	3	-.282	1	-4.534e-4	1	2.646e-7	3	-2.03e-4	2
3455	N1728	max	.064	2	.03	2	-.179	3	-2.571e-4	3	3.088e-7	1	-1.83e-5	3
3456		min	0	3	.015	3	-.282	1	-4.524e-4	1	2.646e-7	3	-1.859e-4	2
3457	N1729	max	.064	2	.032	2	-.179	3	-2.62e-4	3	3.088e-7	1	-2.093e-5	3
3458		min	0	3	.016	3	-.282	1	-4.646e-4	1	2.646e-7	3	-1.857e-4	2
3459	N1730	max	.064	2	.033	2	-.179	3	-2.638e-4	3	3.088e-7	1	-1.955e-5	3
3460		min	0	3	.018	3	-.282	1	-4.707e-4	1	2.646e-7	3	-1.766e-4	2
3461	N1731	max	.064	2	.035	2	-.179	3	-2.748e-4	3	3.088e-7	1	-2.518e-5	3
3462		min	0	3	.019	3	-.282	1	-4.956e-4	1	2.646e-7	3	-1.833e-4	2
3463	N1732	max	.064	2	.035	2	-.179	3	-2.342e-4	3	3.088e-7	1	-9.724e-7	3
3464		min	0	3	.02	3	-.282	1	-4.162e-4	1	2.646e-7	3	-1.218e-4	2
3465	N1733	max	.064	2	.037	1	-.179	3	-2.806e-4	3	3.088e-7	1	-2.204e-5	3
3466		min	0	3	.021	3	-.282	1	-5.13e-4	1	2.646e-7	3	-1.649e-4	2

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3467	N1734	max	.064	2	.038	1	-.179	3	-2.741e-4	3	3.088e-7	1	-1.553e-5	3
3468		min	0	3	.022	3	-.282	1	-5.016e-4	1	2.646e-7	3	-1.474e-4	2
3469	N1735	max	.064	2	.039	1	-.179	3	-2.783e-4	3	3.088e-7	1	-1.336e-5	3
3470		min	0	3	.023	3	-.282	1	-5.126e-4	1	2.646e-7	3	-1.397e-4	2
3471	N1736	max	.064	2	.04	1	-.179	3	-2.769e-4	3	3.088e-7	1	-9.804e-6	3
3472		min	0	3	.023	3	-.282	1	-5.119e-4	1	2.646e-7	3	-1.294e-4	2
3473	N1737	max	.064	2	.04	1	-.179	3	-2.88e-4	3	3.088e-7	1	-9.093e-6	3
3474		min	0	3	.023	3	-.282	1	-5.348e-4	1	2.646e-7	3	-1.233e-4	2
3475	N1738	max	.071	2	-.002	2	-.195	3	-2.512e-4	3	-3.693e-6	2	-2.098e-5	3
3476		min	0	3	-.002	1	-.309	1	-3.961e-4	1	-4.313e-6	1	-1.103e-4	2
3477	N1739	max	.049	2	0	1	-.148	3	0	1	2.02e-7	1	0	1
3478		min	0	3	0	1	-.229	1	0	1	1.737e-7	3	0	1
3479	N1740	max	.033	2	0	1	-.12	3	0	1	-2.689e-8	2	0	1
3480		min	0	3	0	1	-.178	1	0	1	-3.286e-8	1	0	1
3481	N1741	max	.019	2	0	1	-.084	3	0	1	0	1	0	1
3482		min	0	3	0	1	-.12	1	0	1	0	3	0	1
3483	N1742	max	.012	2	0	1	-.059	3	0	1	0	1	0	1
3484		min	0	3	0	1	-.083	1	0	1	0	3	0	1
3485	N1743	max	.007	2	0	1	-.035	3	0	1	0	1	0	1
3486		min	0	3	0	1	-.048	1	0	1	0	3	0	1
3487	N1744	max	.002	2	0	1	-.014	3	0	1	0	1	0	1
3488		min	0	3	0	1	-.019	1	0	1	0	3	0	1
3489	N1745	max	.064	2	.002	2	-.179	3	-2.512e-4	3	3.088e-7	1	-1.304e-5	3
3490		min	0	3	-.001	1	-.282	1	-4.199e-4	1	2.646e-7	3	-1.068e-4	2
3491	N1746	max	.049	2	0	1	-.148	3	0	1	2.02e-7	1	0	1
3492		min	0	3	0	1	-.229	1	0	1	1.737e-7	3	0	1
3493	N1747	max	.033	2	0	1	-.12	3	0	1	-2.687e-8	2	0	1
3494		min	0	3	0	1	-.178	1	0	1	-3.286e-8	1	0	1
3495	N1748	max	.026	2	0	1	-.108	3	0	1	0	3	0	1
3496		min	0	3	0	1	-.157	1	0	1	-1.912e-8	1	0	1
3497	N1749	max	.019	2	0	1	-.084	3	0	1	0	1	0	1
3498		min	0	3	0	1	-.12	1	0	1	0	2	0	1
3499	N1750	max	.012	2	0	1	-.059	3	0	1	0	1	0	1
3500		min	0	3	0	1	-.083	1	0	1	0	2	0	1
3501	N1751	max	.007	2	0	1	-.035	3	0	1	0	1	0	1
3502		min	0	3	0	1	-.048	1	0	1	0	2	0	1
3503	N1752	max	.002	2	0	1	-.014	3	0	1	0	1	0	1
3504		min	0	3	0	1	-.019	1	0	1	0	2	0	1
3505	N1753	max	.064	2	0	1	-.179	3	0	1	3.088e-7	1	0	1
3506		min	0	3	0	1	-.282	1	0	1	2.646e-7	3	0	1
3507	N1754	max	.049	2	0	1	-.148	3	0	1	2.02e-7	1	0	1
3508		min	0	3	0	1	-.229	1	0	1	1.737e-7	3	0	1
3509	N1755	max	.033	2	0	1	-.12	3	0	1	-2.686e-8	2	0	1
3510		min	0	3	0	1	-.178	1	0	1	-3.286e-8	1	0	1
3511	N1756	max	.026	2	0	1	-.108	3	0	1	0	3	0	1
3512		min	0	3	0	1	-.157	1	0	1	-1.916e-8	1	0	1
3513	N1757	max	.019	2	0	1	-.084	3	0	1	0	3	0	1
3514		min	0	3	0	1	-.12	1	0	1	0	2	0	1
3515	N1758	max	.012	2	0	1	-.059	3	0	1	0	3	0	1
3516		min	0	3	0	1	-.083	1	0	1	0	2	0	1
3517	N1759	max	.007	2	0	1	-.035	3	0	1	0	3	0	1
3518		min	0	3	0	1	-.048	1	0	1	0	2	0	1

Envelope Joint Displacements (Continued)

	Joint		X [in]	LC	Y [in]	LC	Z [in]	LC	X Rotation [...	LC	Y Rotation [...	LC	Z Rotation [...	LC
3519	N1760	max	.002	2	0	1	-.014	3	0	1	0	3	0	1
3520		min	0	3	0	1	-.019	1	0	1	0	2	0	1
3521	N1761	max	.064	2	0	1	-.179	3	0	1	3.088e-7	1	0	1
3522		min	0	3	0	1	-.282	1	0	1	2.646e-7	3	0	1
3523	N1762	max	.049	2	0	1	-.148	3	0	1	2.02e-7	1	0	1
3524		min	0	3	0	1	-.229	1	0	1	1.737e-7	3	0	1
3525	N1763	max	.033	2	0	1	-.12	3	0	1	-2.688e-8	2	0	1
3526		min	0	3	0	1	-.178	1	0	1	-3.286e-8	1	0	1
3527	N1764	max	.026	2	0	1	-.108	3	0	1	0	3	0	1
3528		min	0	3	0	1	-.157	1	0	1	-1.918e-8	1	0	1
3529	N1765	max	.019	2	0	1	-.084	3	0	1	0	3	0	1
3530		min	0	3	0	1	-.12	1	0	1	0	2	0	1
3531	N1766	max	.012	2	0	1	-.059	3	0	1	0	3	0	1
3532		min	0	3	0	1	-.083	1	0	1	0	2	0	1
3533	N1767	max	.007	2	0	1	-.035	3	0	1	0	3	0	1
3534		min	0	3	0	1	-.048	1	0	1	0	2	0	1
3535	N1768	max	.002	2	0	1	-.014	3	0	1	0	3	0	1
3536		min	0	3	0	1	-.019	1	0	1	0	2	0	1
3537	N1769	max	.064	2	0	1	-.179	3	0	1	3.088e-7	1	0	1
3538		min	0	3	0	1	-.282	1	0	1	2.646e-7	3	0	1
3539	N1770	max	.049	2	0	1	-.148	3	0	1	2.02e-7	1	0	1
3540		min	0	3	0	1	-.229	1	0	1	1.737e-7	3	0	1
3541	N1771	max	.033	2	0	1	-.12	3	0	1	-2.687e-8	2	0	1
3542		min	0	3	0	1	-.178	1	0	1	-3.286e-8	1	0	1
3543	N1772	max	.026	2	0	1	-.108	3	0	1	0	3	0	1
3544		min	0	3	0	1	-.157	1	0	1	-1.922e-8	1	0	1
3545	N1773	max	.019	2	0	1	-.084	3	0	1	0	3	0	1
3546		min	0	3	0	1	-.12	1	0	1	0	2	0	1
3547	N1774	max	.012	2	0	1	-.059	3	0	1	0	3	0	1
3548		min	0	3	0	1	-.083	1	0	1	0	2	0	1
3549	N1775	max	.007	2	0	1	-.035	3	0	1	0	3	0	1
3550		min	0	3	0	1	-.048	1	0	1	0	2	0	1
3551	N1776	max	.002	2	0	1	-.014	3	0	1	0	3	0	1
3552		min	0	3	0	1	-.019	1	0	1	0	1	0	1
3553	N1777	max	0	2	0	1	0	3	0	1	0	2	0	2
3554		min	0	1	0	3	0	1	0	3	0	1	0	3

Envelope AISC 13th(360-05): LRFD Steel Code Checks

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
1	M7	W8x18	.005	5.464	2	.002	2.7...	y	2	1032...	2367...	17.475	63.75	2.226	H1-1b
2	M8	W8x18	.006	0	1	.002	2.7...	y	1	1032...	2367...	17.475	63.75	2.224	H1-1b
3	M9	W8x18	.027	5.464	1	.008	2.7...	y	1	1032...	2367...	17.475	63.75	2.239	H1-1b
4	M10	W8x18	.027	0	2	.008	2.7...	y	2	1032...	2367...	17.475	63.75	2.241	H1-1b
5	M11	W8x18	.010	0	1	.003	2.7...	y	1	1032...	2367...	17.475	63.75	2.246	H1-1b
6	M12	W8x18	.011	5.464	1	.003	2.7...	y	1	1032...	2367...	17.475	63.75	2.228	H1-1b
7	M13	HSS5x0...	.003	.802	1	.002	0		1	2140...	2144...	25.92	25.92	1.667	H1-1b
8	M14	HSS5x0...	.005	0	1	.003	0		1	2144...	2144...	25.92	25.92	1.938	H1-1b
9	M15	HSS5x0...	.004	.802	1	.002	0		1	2140...	2144...	25.92	25.92	1.667	H1-1b
10	M16	HSS5x0...	.006	.255	2	.003	.255		1	2144...	2144...	25.92	25.92	1.139	H1-1b
11	M17	HSS5x0...	.003	.802	1	.002	0		1	2140...	2144...	25.92	25.92	1.667	H1-1b

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
12	M18	HSS5x0...	.009	0	2	.003	.191		2	2144...	2144...	25.92	25.92	1.105	H1-1b
13	M19	HSS5x0...	.005	3.792	1	.002	3.7...		1	2056...	2144...	25.92	25.92	1.779	H1-1b
14	M20	HSS5x0...	.018	3.792	1	.003	3.7...		1	2056...	2144...	25.92	25.92	2.191	H1-1b
15	M21	HSS5x0...	.018	0	1	.005	0		1	2111...	2144...	25.92	25.92	2.218	H1-1b
16	M22	HSS5x0...	.015	3.177	1	.002	0		1	1993...	2144...	25.92	25.92	2.24	H1-1b
17	M23	HSS5x0...	.038	2.719	1	.008	2.7...		1	2099...	2144...	25.92	25.92	1.465	H1-1b
18	M24	HSS5x0...	.013	3.792	1	.003	3.7...		1	2056...	2144...	25.92	25.92	1.773	H1-1b
19	M25	HSS5x0...	.020	3.792	1	.003	3.7...		1	2056...	2144...	25.92	25.92	2.192	H1-1b
20	M26	HSS5x0...	.020	0	1	.005	0		1	2111...	2144...	25.92	25.92	2.241	H1-1b
21	M27	HSS5x0...	.012	2.083	1	.001	5		1	1993...	2144...	25.92	25.92	2.242	H1-1b
22	M28	HSS5x0...	.018	2.719	1	.004	2.7...		1	2099...	2144...	25.92	25.92	2.147	H1-1b
23	M29	HSS5x0...	.020	3.792	1	.003	3.7...		3	2056...	2144...	25.92	25.92	1.663	H1-1b
24	M30	HSS5x0...	.020	0	1	.006	0		1	2111...	2144...	25.92	25.92	1.959	H1-1b
25	M31	HSS5x0...	.015	.729	1	.002	5		1	1993...	2144...	25.92	25.92	2.189	H1-1b
26	M32	HSS5x0...	.027	2.719	1	.005	2.7...		1	2099...	2144...	25.92	25.92	2.16	H1-1b
27	M33	HSS5x0...	.004	1.422	1	.001	3.7...		3	2056...	2144...	25.92	25.92	2.104	H1-1b
28	M34	L3x3x4	.099	6.835	1	.003	13....	z	1	4137...	46656	1.688	2.46	1.136	H2-1
29	M35	L3x3x4	.011	13.67	2	.000	0	y	1	9792...	46656	1.688	2.305	1	H2-1
30	M36	L3x3x4	.106	6.693	1	.003	0	z	1	9792...	46656	1.688	2.46	1.136	H2-1
31	M37	L3x3x4	.098	6.693	1	.003	0	z	1	4137...	46656	1.688	2.46	1.136	H2-1
32	M38	L3x3x4	.009	13.67	1	.000	0	y	1	5107...	46656	1.688	2.305	1	H2-1
33	M39	L3x3x4	.098	6.693	1	.003	13....	z	1	4137...	46656	1.688	2.46	1.136	H2-1
34	M40	L4x3x4	.083	5.522	1	.003	11....	z	1	1050...	54756	1.844	3.54	1.136	H2-1
35	M41	L4x3x4	.005	11.278	1	.000	11....	y	3	8511...	54756	1.844	3.54	1.136	H2-1
36	M42	L4x3x4	.073	5.639	1	.003	11....	z	1	8511...	54756	1.844	3.13	1.136	H2-1
37	M43	L4x3x4	.068	5.522	1	.003	11....	z	1	8511...	54756	1.844	3.54	1.136	H2-1
38	M44	L4x3x4	.005	11.278	1	.000	0	y	3	8511...	54756	1.844	3.357	1	H2-1
39	M45	L4x3x4	.070	5.522	1	.003	11....	z	1	8511...	54756	1.844	3.13	1.136	H2-1
40	M46	L4x3x4	.185	1	1	.019	0	y	1	4907...	54756	1.795	4.805	1.67	H2-1
41	M47	L4x3x4	.137	1	1	.016	0	y	1	4907...	54756	1.795	4.805	1.667	H2-1
42	M48	L4x3x4	.113	1	1	.017	0	y	1	4907...	54756	1.795	4.805	1.664	H2-1
43	M49	L4x3x4	.190	1	1	.019	0	y	1	4907...	54756	1.795	4.805	1.67	H2-1
44	M50	L4x3x4	.148	1	1	.017	0	y	1	4907...	54756	1.795	4.805	1.667	H2-1
45	M51	L4x3x4	.115	1	1	.017	.188	y	1	4907...	54756	1.795	4.805	1.664	H2-1
46	M52	L4x3x4	.187	0	1	.010	1.7...	y	1	3543...	54756	1.795	4.698	2.148	H2-1
47	M53	L4x3x4	.156	4.5	1	.009	2.9...	y	1	3543...	54756	1.795	4.686	2.117	H2-1
48	M54	L4x3x4	.155	0	1	.012	0	y	1	4855...	54756	1.795	4.805	1.674	H2-1
49	M55	L4x3x4	.139	0	1	.005	0	y	1	3543...	54756	1.795	4.704	2.166	H2-1
50	M56	L4x3x4	.135	4.5	1	.005	0	y	1	3543...	54756	1.795	4.705	2.168	H2-1
51	M57	L4x3x4	.134	0	1	.012	0	y	1	4855...	54756	1.795	4.805	1.667	H2-1
52	M58	L4x3x4	.163	4.5	1	.005	0	z	1	3543...	54756	1.844	3.983	1.034	H2-1
53	M59	L4x3x4	.162	0	1	.005	4.5	z	1	3543...	54756	1.844	3.965	1.019	H2-1
54	M60	L4x3x4	.095	0	1	.012	.093	y	1	4855...	54756	1.795	4.805	1.662	H2-1
55	M61	L4x3x4	.199	0	1	.008	0	y	1	3543...	54756	1.795	4.706	2.17	H2-1
56	M62	L4x3x4	.167	4.5	1	.007	0	y	1	3543...	54756	1.795	4.692	2.133	H2-1
57	M63	L4x3x4	.157	0	1	.012	0	y	1	4855...	54756	1.795	4.805	1.674	H2-1
58	M64	L4x3x4	.149	0	1	.005	0	y	1	3543...	54756	1.795	4.704	2.163	H2-1
59	M65	L4x3x4	.144	4.5	1	.005	0	y	1	3543...	54756	1.795	4.705	2.168	H2-1
60	M66	L4x3x4	.136	0	1	.012	0	y	1	4855...	54756	1.795	4.805	1.667	H2-1
61	M67	L4x3x4	.129	0	1	.003	0	z	1	3543...	54756	1.795	4.164	1.215	H2-1
62	M68	L4x3x4	.115	0	1	.003	4.5	z	1	3543...	54756	1.844	4.151	1.201	H2-1
63	M69	L4x3x4	.095	0	1	.013	0	y	1	4855...	54756	1.795	4.805	1.662	H2-1

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
64	M70	L3x3x4	.032	2.5	1	.002	5	z	1	2681...	46656	1.688	3.388	1.136	H2-1
65	M71	L3x3x4	.038	2.5	1	.001	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
66	M72	L3x3x4	.027	2.5	1	.002	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
67	M73	L3x3x4	.028	2.5	1	.001	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
68	M74	L3x3x4	.034	2.5	1	.001	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
69	M75	L3x3x4	.026	2.5	1	.001	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
70	M76	L3x3x4	.026	2.5	1	.003	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
71	M77	L3x3x4	.031	2.5	1	.001	5	z	1	2681...	46656	1.688	3.388	1.136	H2-1
72	M78	L3x3x4	.023	2.5	1	.003	0	z	1	2681...	46656	1.688	3.388	1.136	H2-1
73	M79	L3x3x4	.043	3.363	1	.004	6.7...	z	1	1708...	46656	1.688	3.16	1.136	H2-1
74	M80	L3x3x4	.028	3.363	1	.004	6.7...	z	1	1708...	46656	1.688	3.16	1.136	H2-1
75	M81	L3x3x4	.032	3.363	1	.002	6.7...	y	1	1708...	46656	1.688	3.16	1.136	H2-1
76	M82	L3x3x4	.027	3.363	1	.002	6.7...	y	1	1708...	46656	1.688	3.16	1.136	H2-1
77	M83	L3x3x4	.029	3.363	1	.002	6.7...	z	1	1708...	46656	1.688	3.16	1.136	H2-1
78	M84	L3x3x4	.029	3.363	1	.003	6.7...	z	1	1708...	46656	1.688	3.16	1.136	H2-1
79	M85	L4x4x4	.013	14.722	1	.000	0	y	1	8564...	62532	3.138	5.61	2.269	H2-1
80	M86	L4x4x4	.053	0	1	.003	14....	z	1	8564...	62532	3.138	5.667	2.351	H2-1
81	M87	L4x4x4	.055	0	1	.003	0	z	1	8564...	62532	3.138	5.616	2.278	H2-1
82	M88	L6x6x5	.006	.742	1	.001	.471	z	1	2572...	1189...	9.302	11.871	1.051	H2-1
83	M89	L6x6x5	.006	0	1	.000	.742	y	2	2572...	1189...	9.302	11.547	1.003	H2-1
84	M90	L6x6x5	.006	0	1	.000	.742	y	2	2572...	1189...	9.302	11.546	1.002	H2-1
85	M91	L6x6x5	.006	0	1	.000	0	z	2	2572...	1189...	9.302	11.578	1.007	H2-1
86	M92	L6x6x5	.006	0	1	.000	.008	z	2	2572...	1189...	9.302	11.56	1.004	H2-1
87	M93	L6x6x5	.005	0	1	.003	.178	z	2	2572...	1189...	9.302	12.595	1.173	H2-1
88	M94	L6x6x5	.006	0	2	.002	0	z	2	2572...	1189...	9.302	12.923	1.236	H2-1
89	M95	L6x6x5	.005	0	1	.001	0	z	2	2572...	1189...	9.302	11.73	1.03	H2-1
90	M96	L6x6x5	.005	0	1	.000	.201	z	2	2572...	1189...	9.302	11.635	1.015	H2-1
91	M97	L6x6x5	.004	0	1	.000	0	z	2	2572...	1189...	9.302	11.712	1.027	H2-1
92	M98	L6x6x5	.004	0	1	.000	0	z	2	2572...	1189...	9.302	11.736	1.03	H2-1
93	M99	L6x6x5	.004	0	1	.001	0	z	1	2572...	1189...	9.302	11.969	1.066	H2-1
94	M100	L6x6x5	.003	0	1	.001	0	z	2	2572...	1189...	9.302	11.663	1.02	H2-1
95	M101	L6x6x5	.003	0	1	.000	0	z	2	2572...	1189...	9.302	11.969	1.066	H2-1
96	M102	L6x6x5	.002	.742	2	.000	.108	z	2	2572...	1189...	9.302	16.767	1	H2-1
97	M103	L6x6x5	.003	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
98	M104	L6x6x5	.003	.742	2	.001	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
99	M105	L6x6x5	.003	0	2	.001	.193	z	2	2572...	1189...	9.302	16.767	1	H2-1
100	M106	L6x6x5	.004	.742	2	.001	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
101	M107	L6x6x5	.004	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
102	M108	L6x6x5	.004	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
103	M109	L6x6x5	.005	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
104	M110	L6x6x5	.005	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
105	M111	L6x6x5	.005	0	2	.001	.162	z	2	2572...	1189...	9.302	16.767	1	H2-1
106	M112	L6x6x5	.005	.742	2	.001	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
107	M113	L6x6x5	.005	.742	2	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
108	M114	L6x6x5	.005	.742	2	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
109	M115	L6x6x5	.005	.742	2	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
110	M116	L6x6x5	.005	0	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
111	M117	L6x6x5	.005	.742	1	.002	.023	z	2	2572...	1189...	9.302	16.767	1	H2-1
112	M118	L6x6x5	.009	0	2	.002	.015	z	2	2572...	1189...	9.302	16.767	1	H2-1
113	M119	L6x6x5	.006	0	2	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
114	M120	L6x6x5	.005	0	2	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
115	M121	L6x6x5	.005	0	2	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
116	M122	L6x6x5	.005	.742	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
117	M123	L6x6x5	.005	0	1	.002	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
118	M124	L6x6x5	.005	.742	1	.001	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
119	M125	L6x6x5	.005	0	1	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
120	M126	L6x6x5	.005	0	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
121	M127	L6x6x5	.005	0	1	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
122	M128	L6x6x5	.005	0	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
123	M129	L6x6x5	.005	0	1	.001	.68	z	1	2572...	1189...	9.302	16.767	1	H2-1
124	M130	L6x6x5	.004	.742	1	.001	.44	z	1	2572...	1189...	9.302	16.767	1	H2-1
125	M131	L6x6x5	.004	0	1	.001	.015	z	2	2572...	1189...	9.302	16.767	1	H2-1
126	M132	L6x6x5	.004	0	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
127	M133	L6x6x5	.004	0	1	.000	.154	z	2	2572...	1189...	9.302	16.767	1	H2-1
128	M134	L6x6x5	.003	0	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
129	M135	L6x6x5	.003	0	1	.001	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
130	M136	L6x6x5	.002	0	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
131	M137	L6x6x5	.002	0	1	.000	.487	z	1	2572...	1189...	9.302	16.767	1	H2-1
132	M138	L6x6x5	.003	.742	2	.000	.085	z	2	2572...	1189...	9.302	12.13	1.093	H2-1
133	M139	L6x6x5	.003	.742	2	.000	0	z	1	2572...	1189...	9.302	11.96	1.065	H2-1
134	M140	L6x6x5	.004	.742	2	.001	0	z	2	2572...	1189...	9.302	11.94	1.062	H2-1
135	M141	L6x6x5	.005	.742	3	.002	0	z	3	2572...	1189...	9.302	16.767	1	H2-1
136	M142	L6x6x5	.004	.742	2	.002	.062	z	2	2572...	1189...	9.302	12.902	1.231	H2-1
137	M143	L6x6x5	.005	.742	2	.000	.023	z	1	2572...	1189...	9.302	11.708	1.026	H2-1
138	M144	L6x6x5	.005	.742	2	.000	0	z	1	2572...	1189...	9.302	11.704	1.026	H2-1
139	M145	L6x6x5	.006	.742	2	.000	.162	z	1	2572...	1189...	9.302	11.642	1.016	H2-1
140	M146	L6x6x5	.006	.742	2	.000	0	z	1	2572...	1189...	9.302	11.637	1.016	H2-1
141	M147	L6x6x5	.006	0	2	.001	0	z	2	2572...	1189...	9.302	11.76	1.034	H2-1
142	M148	L6x6x5	.006	.742	2	.001	.317	z	2	2572...	1189...	9.302	11.906	1.057	H2-1
143	M149	L6x6x5	.007	.742	2	.000	0	z	1	2572...	1189...	9.302	11.551	1.003	H2-1
144	M150	L6x6x5	.007	.742	2	.000	0	z	1	2572...	1189...	9.302	11.544	1.002	H2-1
145	M151	L6x6x5	.007	0	2	.000	0	y	1	2572...	1189...	9.302	11.537	1.001	H2-1
146	M152	L6x6x5	.007	0	2	.000	0	y	1	2572...	1189...	9.302	11.538	1.001	H2-1
147	M153	L6x6x5	.007	0	2	.001	0	z	2	2572...	1189...	9.302	11.927	1.06	H2-1
148	M154	L6x6x5	.006	.742	2	.001	.147	z	1	2572...	1189...	9.302	11.898	1.055	H2-1
149	M155	L6x6x5	.007	0	2	.000	.742	y	2	2572...	1189...	9.302	11.566	1.005	H2-1
150	M156	L6x6x5	.006	0	2	.000	0	y	1	2572...	1189...	9.302	11.564	1.005	H2-1
151	M157	L6x6x5	.006	0	2	.000	.742	y	2	2572...	1189...	9.302	11.597	1.01	H2-1
152	M158	L6x6x5	.006	.742	1	.000	0	y	1	2572...	1189...	9.302	11.543	1.002	H2-1
153	M159	L6x6x5	.006	0	1	.001	0	z	2	2572...	1189...	9.302	11.861	1.05	H2-1
154	M160	L3x3x4	.065	5.522	1	.002	11....	z	1	6078...	.46656	1.688	2.675	1.136	H2-1
155	M161	L3x3x4	.006	11.278	1	.000	0	y	3	6078...	.46656	1.688	2.534	1	H2-1
156	M162	L3x3x4	.065	5.522	1	.002	0	z	1	6078...	.46656	1.688	2.675	1.136	H2-1
157	M163	L4x4x4	.054	14.722	1	.003	0	z	1	8564...	.62532	3.138	5.737	2.46	H2-1
158	M164	L4x4x4	.054	14.722	1	.003	14....	z	1	8564...	.62532	3.138	5.739	2.462	H2-1
159	M165	L4x4x4	.009	0	1	.000	0	y	1	8564...	.62532	3.138	5.597	2.251	H2-1
160	M166	L6x6x5	.002	.742	1	.002	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
161	M167	L6x6x5	.001	.07	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
162	M168	L6x6x5	.001	.633	1	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
163	M169	L6x6x5	.001	0	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
164	M170	L6x6x5	.001	0	1	.001	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
165	M171	L6x6x5	.009	.742	3	.004	0	z	1	2572...	1189...	9.302	13.792	1.427	H2-1
166	M172	L6x6x5	.006	0	3	.003	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
167	M173	L6x6x5	.002	0	1	.001	0	z	1	2572...	1189...	9.302	16.767	1	H2-1

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
168	M174	L6x6x5	.001	.742	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
169	M175	L6x6x5	.001	.742	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
170	M176	L6x6x5	.001	.742	1	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
171	M177	L6x6x5	.001	0	1	.001	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
172	M178	L6x6x5	.001	.742	1	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
173	M179	L6x6x5	.001	.742	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
174	M180	L6x6x5	.001	.742	2	.000	0	y	2	2572...	1189...	9.302	11.624	1.014	H2-1
175	M181	L6x6x5	.001	.742	2	.000	0	y	1	2572...	1189...	9.302	11.549	1.003	H2-1
176	M182	L6x6x5	.001	.742	2	.000	0	y	2	2572...	1189...	9.302	11.547	1.002	H2-1
177	M183	L6x6x5	.001	.742	1	.001	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
178	M184	L6x6x5	.001	.742	2	.001	0	z	2	2572...	1189...	9.302	15.476	1.951	H2-1
179	M185	L6x6x5	.002	.742	2	.000	0	z	2	2572...	1189...	9.302	11.708	1.026	H2-1
180	M186	L6x6x5	.002	.742	2	.000	.742	y	1	2572...	1189...	9.302	11.762	1.034	H2-1
181	M187	L6x6x5	.002	.742	2	.000	.742	y	1	2572...	1189...	9.302	11.706	1.026	H2-1
182	M188	L6x6x5	.002	.742	2	.000	0	y	2	2572...	1189...	9.302	11.661	1.019	H2-1
183	M189	L6x6x5	.002	0	2	.002	0	z	2	2572...	1189...	9.302	15.703	2.044	H2-1
184	M190	L6x6x5	.002	.742	2	.002	0	z	2	2572...	1189...	9.302	15.841	2.103	H2-1
185	M191	L6x6x5	.002	.742	2	.000	.742	y	2	2572...	1189...	9.302	11.818	1.043	H2-1
186	M192	L6x6x5	.002	.742	2	.000	.742	y	1	2572...	1189...	9.302	11.745	1.032	H2-1
187	M193	L6x6x5	.002	.742	2	.000	.742	y	1	2572...	1189...	9.302	11.848	1.047	H2-1
188	M194	L6x6x5	.002	.742	2	.000	0	y	3	2572...	1189...	9.302	11.741	1.031	H2-1
189	M195	L6x6x5	.009	.742	2	.003	0	z	3	2572...	1189...	9.302	13.122	1.276	H2-1
190	M196	L6x6x5	.004	0	1	.002	0	y	3	2572...	1189...	9.302	12.61	1.176	H2-1
191	M197	L6x6x5	.002	.742	2	.001	0	z	3	2572...	1189...	9.302	13.495	1.357	H2-1
192	M198	L6x6x5	.002	0	1	.000	0	y	3	2572...	1189...	9.302	11.886	1.053	H2-1
193	M199	L6x6x5	.002	.742	1	.000	0	y	2	2572...	1189...	9.302	11.798	1.04	H2-1
194	M200	L6x6x5	.002	0	1	.000	0	y	1	2572...	1189...	9.302	11.939	1.062	H2-1
195	M201	L6x6x5	.001	0	1	.002	0	z	1	2572...	1189...	9.302	16.242	2.291	H2-1
196	M202	L6x6x5	.002	.742	1	.002	0	z	1	2572...	1189...	9.302	16.174	2.257	H2-1
197	M203	L6x6x5	.002	.742	1	.000	.742	y	1	2572...	1189...	9.302	11.88	1.053	H2-1
198	M204	L6x6x5	.002	0	1	.000	0	y	2	2572...	1189...	9.302	11.772	1.036	H2-1
199	M205	L6x6x5	.002	0	1	.000	0	y	1	2572...	1189...	9.302	11.875	1.052	H2-1
200	M206	L6x6x5	.002	0	1	.000	0	y	1	2572...	1189...	9.302	11.924	1.059	H2-1
201	M207	L6x6x5	.002	0	1	.002	0	z	1	2572...	1189...	9.302	16.154	2.248	H2-1
202	M208	L6x6x5	.001	.742	1	.002	0	z	1	2572...	1189...	9.302	16.135	2.238	H2-1
203	M209	L6x6x5	.002	0	1	.000	.742	y	1	2572...	1189...	9.302	11.841	1.046	H2-1
204	M210	L6x6x5	.002	0	1	.000	0	y	2	2572...	1189...	9.302	11.784	1.038	H2-1
205	M211	L6x6x5	.002	0	1	.000	0	y	1	2572...	1189...	9.302	11.873	1.051	H2-1
206	M212	L6x6x5	.001	0	1	.000	0	y	1	2572...	1189...	9.302	12.02	1.075	H2-1
207	M213	L6x6x5	.001	0	1	.001	0	z	1	2572...	1189...	9.302	15.778	2.076	H2-1
208	M214	L6x6x5	.001	0	2	.001	.641	z	1	2572...	1189...	9.302	16.767	1	H2-1
209	M215	L6x6x5	.001	0	1	.000	.742	y	1	2572...	1189...	9.302	11.807	1.041	H2-1
210	M216	L6x6x5	.001	0	1	.000	0	y	2	2572...	1189...	9.302	11.779	1.037	H2-1
211	M217	L6x6x5	.001	.742	1	.000	0	z	1	2572...	1189...	9.302	12.306	1.122	H2-1
212	M218	L6x6x5	.002	.742	1	.001	0	z	2	2572...	1189...	9.302	13.225	1.298	H2-1
213	M219	L6x6x5	.011	.742	1	.004	.039	z	2	2572...	1189...	9.302	13.621	1.386	H2-1
214	M220	L6x6x5	.007	0	1	.003	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
215	M221	L6x6x5	.002	0	2	.001	.108	z	2	2572...	1189...	9.302	16.767	1	H2-1
216	M222	L6x6x5	.001	0	2	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
217	M223	L6x6x5	.001	0	2	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
218	M224	L6x6x5	.001	0	2	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
219	M225	L6x6x5	.002	0	2	.002	.062	z	2	2572...	1189...	9.302	16.767	1	H2-1

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
220	M226	L6x6x5	.001	.742	2	.002	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
221	M227	L6x6x5	.002	0	2	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
222	M228	L6x6x5	.002	0	2	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
223	M229	L6x6x5	.002	0	2	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
224	M230	L6x6x5	.002	0	2	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
225	M231	L6x6x5	.002	0	2	.002	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
226	M232	L6x6x5	.002	.742	2	.002	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
227	M233	L6x6x5	.002	0	2	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
228	M234	L6x6x5	.001	.139	2	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
229	M235	L6x6x5	.001	0	1	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
230	M236	L6x6x5	.001	.131	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
231	M237	L6x6x5	.001	0	1	.002	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
232	M238	HSS5.5...	.026	0	1	.006	0		1	1826...	1853...	25.65	25.65	1.27	H1-1b
233	M239	HSS5.5...	.014	3.451	1	.002	0		1	1765...	1853...	25.65	25.65	2.23	H1-1b
234	M240	HSS5.5...	.027	3.042	1	.006	3.0...		1	1815...	1853...	25.65	25.65	1.345	H1-1b
235	M241	HSS5.5...	.044	0	1	.009	0		1	1826...	1853...	25.65	25.65	1.795	H1-1b
236	M242	HSS5.5...	.012	2.625	1	.001	0		1	1765...	1853...	25.65	25.65	1.374	H1-1b
237	M243	HSS5.5...	.025	3.042	1	.005	3.0...		1	1815...	1853...	25.65	25.65	1.95	H1-1b
238	M244	HSS5.5...	.032	0	1	.008	0		1	1826...	1853...	25.65	25.65	2.152	H1-1b
239	M245	HSS5.5...	.012	1.75	1	.001	4.6...		1	1765...	1853...	25.65	25.65	2.22	H1-1b
240	M246	HSS5.5...	.018	3.042	1	.004	3.0...		1	1815...	1853...	25.65	25.65	2.147	H1-1b
241	M247	L4x3x4	.109	1	1	.010	0	y	1	4907...	54756	1.795	4.805	1.675	H2-1
242	M248	L4x3x4	.047	1	1	.006	0	y	1	4907...	54756	1.795	4.805	1.667	H2-1
243	M249	L4x3x4	.040	1	1	.009	0	y	1	4907...	54756	1.844	4.805	1.662	H2-1
244	M250	L4x3x4	.113	1	1	.011	0	y	1	4907...	54756	1.795	4.805	1.674	H2-1
245	M251	L4x3x4	.054	1	1	.006	0	y	1	4907...	54756	1.795	4.805	1.667	H2-1
246	M252	L4x3x4	.038	1	1	.008	0	y	1	4907...	54756	1.844	4.805	1.662	H2-1
247	M253	L4x3x4	.146	4.5	1	.008	1.7...	y	1	3543...	54756	1.844	4.936	1.895	H2-1
248	M254	L4x3x4	.141	0	1	.007	.047	y	1	3543...	54756	1.844	4.936	1.687	H2-1
249	M255	L4x3x4	.079	0	1	.007	1.2...	z	1	4855...	54756	1.795	4.805	1.726	H2-1
250	M256	L4x3x4	.047	0	1	.002	0	y	1	3543...	54756	1.795	4.715	2.194	H2-1
251	M257	L4x3x4	.079	4.5	1	.003	0	y	1	3543...	54756	1.795	4.7	2.154	H2-1
252	M258	L4x3x4	.077	0	1	.007	0	y	1	4855...	54756	1.795	4.805	1.667	H2-1
253	M259	L4x3x4	.168	4.5	1	.006	0	z	1	3543...	54756	1.844	4.201	1.258	H2-1
254	M260	L4x3x4	.165	0	1	.005	4.5	z	1	3543...	54756	1.844	4.219	1.28	H2-1
255	M261	L4x3x4	.051	0	1	.007	1.2...	z	1	4855...	54756	1.844	4.805	1.658	H2-1
256	M262	L4x3x4	.116	0	1	.005	2.6...	y	1	3543...	54756	1.795	4.653	2.034	H2-1
257	M263	L4x3x4	.096	.937	1	.004	2.5...	y	1	3543...	54756	1.844	4.936	1.717	H2-1
258	M264	L4x3x4	.081	0	1	.007	1.2...	z	1	4855...	54756	1.795	4.805	1.711	H2-1
259	M265	L4x3x4	.052	0	1	.002	0	y	1	3543...	54756	1.795	4.713	2.188	H2-1
260	M266	L4x3x4	.076	4.5	1	.003	0	y	1	3543...	54756	1.795	4.701	2.156	H2-1
261	M267	L4x3x4	.073	0	1	.007	0	y	1	4855...	54756	1.795	4.805	1.667	H2-1
262	M268	L4x3x4	.112	4.5	1	.003	0	z	1	3543...	54756	1.844	4.068	1.114	H2-1
263	M269	L4x3x4	.112	0	1	.003	4.5	z	1	3543...	54756	1.844	4.085	1.13	H2-1
264	M270	L4x3x4	.051	0	1	.007	1.2...	z	1	4855...	54756	1.844	4.805	1.658	H2-1
265	M271	L4x3x4	.021	2.333	1	.003	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
266	M272	L4x3x4	.018	2.333	1	.001	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
267	M273	L4x3x4	.017	2.333	1	.003	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
268	M274	L4x3x4	.017	2.333	1	.001	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
269	M275	L4x3x4	.015	2.333	1	.001	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
270	M276	L4x3x4	.018	2.333	1	.001	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
271	M277	L4x3x4	.016	2.333	1	.003	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
272	M278	L4x3x4	.013	2.333	1	.001	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
273	M279	L4x3x4	.014	2.333	1	.003	4.6...	z	1	3452...	54756	1.844	4.693	1.136	H2-1
274	M280	L4x3x4	.030	3.241	1	.004	0	z	1	2450...	54756	1.844	4.315	1.136	H2-1
275	M281	L4x3x4	.023	3.241	1	.004	0	z	1	2450...	54756	1.844	4.315	1.136	H2-1
276	M282	L4x3x4	.016	3.174	1	.001	0	y	1	2450...	54756	1.844	4.315	1.136	H2-1
277	M283	L4x3x4	.018	3.174	1	.001	6.4...	y	1	2450...	54756	1.795	3.777	1.136	H2-1
278	M284	L4x3x4	.022	3.241	1	.003	6.4...	z	1	2450...	54756	1.844	3.777	1.136	H2-1
279	M285	L4x3x4	.028	3.241	1	.003	6.4...	z	1	2450...	54756	1.844	3.777	1.136	H2-1
280	M292	LL4x4x...	.009	6.511	1	.001	0	z	1	8240...	1250...	12.586	5.548	2.381	H1-1b
281	M293	LL4x4x...	.005	0	2	.001	6.5...	z	1	8240...	1250...	12.586	5.548	2.381	H1-1b
282	M294	LL4x4x...	.005	0	1	.001	0	z	1	8240...	1250...	12.586	5.548	2.592	H1-1b
283	M295	L6x6x5	.008	0	1	.003	.008	z	1	2572...	1189...	9.302	12.237	1.11	H2-1
284	M296	L6x6x5	.005	0	1	.001	0	z	1	2572...	1189...	9.302	11.884	1.053	H2-1
285	M297	L6x6x5	.004	0	1	.000	.742	y	1	2572...	1189...	9.302	11.563	1.005	H2-1
286	M298	L6x6x5	.004	0	1	.000	.742	y	2	2572...	1189...	9.302	11.554	1.004	H2-1
287	M299	L6x6x5	.005	.742	1	.000	0	y	1	2572...	1189...	9.302	11.74	1.031	H2-1
288	M300	L6x6x5	.009	.742	1	.003	.224	z	1	2572...	1189...	9.302	12.576	1.17	H2-1
289	M301	L6x6x5	.003	.742	1	.002	0	z	1	2572...	1189...	9.302	13.844	1.44	H2-1
290	M302	L6x6x5	.003	.742	1	.000	0	y	1	2572...	1189...	9.302	11.552	1.003	H2-1
291	M303	L6x6x5	.003	0	1	.000	.742	y	2	2572...	1189...	9.302	11.598	1.01	H2-1
292	M304	L6x6x5	.003	0	1	.000	.742	y	1	2572...	1189...	9.302	11.68	1.022	H2-1
293	M305	L6x6x5	.002	0	1	.000	.742	y	2	2572...	1189...	9.302	11.652	1.018	H2-1
294	M306	L6x6x5	.002	0	1	.001	0	z	1	2572...	1189...	9.302	12.196	1.103	H2-1
295	M307	L6x6x5	.004	0	3	.001	0	z	3	2572...	1189...	9.302	13.428	1.342	H2-1
296	M308	L6x6x5	.002	0	1	.000	.008	z	1	2572...	1189...	9.302	12.365	1.132	H2-1
297	M309	L6x6x5	.001	.742	2	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
298	M310	L6x6x5	.002	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
299	M311	L6x6x5	.002	.742	2	.000	0	y	2	2572...	1189...	9.302	16.767	1	H2-1
300	M312	L6x6x5	.005	.742	1	.002	0	z	2	2572...	1189...	9.302	13.771	1.422	H2-1
301	M313	L6x6x5	.003	.742	2	.002	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
302	M314	L6x6x5	.003	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
303	M315	L6x6x5	.003	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
304	M316	L6x6x5	.004	.742	2	.000	.023	z	1	2572...	1189...	9.302	16.767	1	H2-1
305	M317	L6x6x5	.004	.742	2	.001	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
306	M318	L6x6x5	.004	.742	2	.002	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
307	M319	L6x6x5	.009	0	3	.005	0	z	2	2572...	1189...	9.302	14.217	1.537	H2-1
308	M320	L6x6x5	.004	.742	2	.001	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
309	M321	L6x6x5	.004	.742	2	.000	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
310	M322	L6x6x5	.004	0	2	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
311	M323	L6x6x5	.004	0	2	.001	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
312	M324	L6x6x5	.010	.742	3	.006	0	z	1	2572...	1189...	9.302	14.213	1.536	H2-1
313	M325	L6x6x5	.004	.742	2	.004	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
314	M326	L6x6x5	.004	0	1	.001	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
315	M327	L6x6x5	.004	.742	1	.000	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
316	M328	L6x6x5	.004	0	1	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
317	M329	L6x6x5	.004	0	1	.001	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
318	M330	L6x6x5	.007	.742	3	.005	0	z	1	2572...	1189...	9.302	14.781	1.705	H2-1
319	M331	L6x6x5	.004	.742	1	.003	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
320	M332	L6x6x5	.005	0	1	.001	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
321	M333	L6x6x5	.004	0	1	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
322	M334	L6x6x5	.004	0	1	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
323	M335	L6x6x5	.004	0	1	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1

Envelope AISC 13th(360-05): LRFD Steel Code Checks (Continued)

	Member	Shape	Code Check	Loc[ft]	...	She...	Lo...	Dir	...	phi*P...	phi*P...	phi*M...	phi*M...	Cb	Eqn
324	M336	L6x6x5	.004	0	1	.003	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
325	M337	L6x6x5	.003	0	2	.003	0	z	1	2572...	1189...	9.302	16.003	2.176	H2-1
326	M338	L6x6x5	.003	.742	1	.001	0	y	1	2572...	1189...	9.302	16.767	1	H2-1
327	M339	L6x6x5	.003	0	1	.000	.742	y	2	2572...	1189...	9.302	16.767	1	H2-1
328	M340	L6x6x5	.003	0	1	.000	.023	z	2	2572...	1189...	9.302	16.767	1	H2-1
329	M341	L6x6x5	.003	0	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
330	M342	L6x6x5	.004	.742	3	.002	.147	z	1	2572...	1189...	9.302	14.725	1.687	H2-1
331	M343	L6x6x5	.002	0	2	.001	0	z	1	2572...	1189...	9.302	13.994	1.478	H2-1
332	M344	L6x6x5	.002	0	1	.000	.742	y	1	2572...	1189...	9.302	16.767	1	H2-1
333	M345	L6x6x5	.002	0	1	.000	.008	z	2	2572...	1189...	9.302	16.767	1	H2-1
334	M346	L6x6x5	.002	0	1	.000	.054	z	1	2572...	1189...	9.302	16.767	1	H2-1
335	M347	L6x6x5	.002	.742	1	.000	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
336	M348	L6x6x5	.006	.742	1	.002	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
337	M349	L6x6x5	.012	0	2	.003	.332	z	2	2572...	1189...	9.302	13.115	1.274	H2-1
338	M350	L6x6x5	.004	0	2	.001	.008	z	1	2572...	1189...	9.302	12.25	1.113	H2-1
339	M351	L6x6x5	.003	0	2	.000	0	y	1	2572...	1189...	9.302	11.577	1.007	H2-1
340	M352	L6x6x5	.003	.742	2	.000	.008	z	1	2572...	1189...	9.302	11.726	1.029	H2-1
341	M353	L6x6x5	.004	.742	2	.001	0	z	2	2572...	1189...	9.302	12.113	1.09	H2-1
342	M354	L6x6x5	.006	.742	2	.002	.008	z	2	2572...	1189...	9.302	12.389	1.136	H2-1
343	M355	L6x6x5	.004	0	3	.003	0	z	2	2572...	1189...	9.302	16.767	1	H2-1
344	M356	L6x6x5	.004	.742	2	.000	.054	z	2	2572...	1189...	9.302	11.823	1.044	H2-1
345	M357	L6x6x5	.004	.742	2	.000	0	y	1	2572...	1189...	9.302	11.648	1.017	H2-1
346	M358	L6x6x5	.004	0	2	.000	0	y	1	2572...	1189...	9.302	11.542	1.002	H2-1
347	M359	L6x6x5	.004	0	2	.001	.742	y	1	2572...	1189...	9.302	11.543	1.002	H2-1
348	M360	L6x6x5	.004	0	2	.003	0	z	1	2572...	1189...	9.302	13.713	1.408	H2-1
349	M361	L6x6x5	.004	.742	1	.002	0	z	2	2572...	1189...	9.302	11.975	1.067	H2-1
350	M362	L6x6x5	.005	0	2	.001	.742	y	2	2572...	1189...	9.302	11.575	1.007	H2-1
351	M363	L6x6x5	.004	.742	1	.000	0	y	1	2572...	1189...	9.302	11.561	1.005	H2-1
352	M364	L6x6x5	.004	0	1	.000	.742	y	2	2572...	1189...	9.302	11.565	1.005	H2-1
353	M365	L6x6x5	.004	0	1	.001	0	z	1	2572...	1189...	9.302	11.843	1.047	H2-1
354	M366	L6x6x5	.004	.742	3	.004	0	z	1	2572...	1189...	9.302	16.767	1	H2-1
355	M370	HSS5x0...	.004	5.455	3	.002	5.4...		1	1966...	2144...	25.92	25.92	2.166	H1-1b
356	M371	LL4x4x...	.016	10.1	1	.001	10.1	y	1	7243...	1250...	12.586	5.548	2.219	H1-1b
357	M372	LL4x4x...	.019	10.1	1	.001	10.1	z	1	7243...	1250...	12.586	5.548	2.699	H1-1b
358	M373	LL4x4x...	.018	10.1	1	.002	0	z	1	7243...	1250...	12.586	5.548	2.422	H1-1b
359	M374	LL4x4x...	.015	0	1	.002	0	z	1	7243...	1250...	12.586	8.877	2.416	H1-1b
360	M375	LL4x4x...	.017	0	1	.002	0	z	1	7243...	1250...	12.586	8.877	2.271	H1-1b
361	M376	LL4x4x...	.017	0	1	.001	0	z	1	7243...	1250...	12.586	8.877	2.443	H1-1b
362	M377	LL4x4x...	.012	0	1	.001	0	y	1	7243...	1250...	12.586	8.877	2.248	H1-1b
363	M378	LL4x4x...	.016	0	1	.001	0	z	1	7243...	1250...	12.586	8.877	2.438	H1-1b
364	M379	LL4x4x...	.017	0	1	.002	0	z	1	7243...	1250...	12.586	8.877	2.382	H1-1b
365	M380	LL4x4x...	.014	0	1	.002	0	z	1	7243...	1250...	12.586	5.548	2.484	H1-1b
366	M381	LL4x4x...	.019	0	1	.002	0	z	1	7243...	1250...	12.586	5.548	2.287	H1-1b
367	M382	LL4x4x...	.020	0	1	.001	0	z	1	7243...	1250...	12.586	5.548	2.347	H1-1b

Envelope Joint Reactions

	Joint		X [lb]	...	Y [lb]	...	Z [lb]	...	MX [k-ft]	..	MY [k-ft]	LC	MZ [k-ft]	LC
1	N37	...	1.749	1	49420...	1	4211.405	1	0	1	0	1	0	1
2		...	-1022.665	2	35156...	3	3112.846	3	0	1	0	1	0	1
3	N36	...	629.029	1	49235...	1	4266.258	1	0	1	0	1	0	1

Envelope Joint Reactions (Continued)

	Joint		X [lb]		Y [lb]		Z [lb]		MX [k-ft]		MY [k-ft]	LC	MZ [k-ft]	LC
4		...	-480.999	2	35024...	3	3156.009	3	0	1	0	1	0	1
5	N38	...	-490.532	3	49230...	1	4265.468	1	0	1	0	1	0	1
6		...	-1556.397	2	35020...	3	3155.422	3	0	1	0	1	0	1
7	N1	...	17.141	1	-3498...	3	4192.979	1	0	1	0	1	0	1
8		...	-1009.288	2	-4921...	1	3097.58	3	0	1	0	1	0	1
9	N72	...	614.443	1	-3484...	3	4254.895	1	0	1	0	1	0	1
10		...	-492.482	2	-4903...	1	3146.033	3	0	1	0	1	0	1
11	N2	...	-492.768	3	-3484...	3	4251.448	1	0	1	0	1	0	1
12		...	-1559.251	2	-4902...	1	3143.346	3	0	1	0	1	0	1
13	N35	...	1237.221	1	48675...	1	4429.114	1	0	1	0	1	0	1
14		...	52.198	2	34627...	3	3283.956	3	0	1	0	1	0	1
15	N39	...	-967.756	3	48665...	1	4427.04	1	0	1	0	1	0	1
16		...	-2066.178	2	34619...	3	3282.514	3	0	1	0	1	0	1
17	N71	...	1241.731	1	-3444...	3	4413.171	1	0	1	0	1	0	1
18		...	55.491	2	-4846...	1	3270.9	3	0	1	0	1	0	1
19	N3	...	-970.642	3	-3444...	3	4413.296	1	0	1	0	1	0	1
20		...	-2069.147	2	-4845...	1	3270.501	3	0	1	0	1	0	1
21	N34	...	1807.793	1	47747...	1	4695.562	1	0	1	0	1	0	1
22		...	560.68	2	33967...	3	3493.052	3	0	1	0	1	0	1
23	N40	...	-1415.41	3	47732...	1	4693.232	1	0	1	0	1	0	1
24		...	-2535.95	2	33954...	3	3491.204	3	0	1	0	1	0	1
25	N70	...	1812.694	1	-3379...	3	4681.67	1	0	1	0	1	0	1
26		...	565.008	2	-4753...	1	3481.32	3	0	1	0	1	0	1
27	N4	...	-1419.108	3	-3377...	3	4679.732	1	0	1	0	1	0	1
28		...	-2539.884	2	-4752...	1	3479.537	3	0	1	0	1	0	1
29	N33	...	2323.364	1	46455...	1	5057.269	1	0	1	0	1	0	1
30		...	1028.941	2	33049...	3	3776.754	3	0	1	0	1	0	1
31	N41	...	-1819.948	3	46436...	1	5055.421	1	0	1	0	1	0	1
32		...	-2951.597	2	33033...	3	3774.924	3	0	1	0	1	0	1
33	N69	...	2329.119	1	-3287...	3	5043.722	1	0	1	0	1	0	1
34		...	1033.822	2	-4624...	1	3764.949	3	0	1	0	1	0	1
35	N5	...	-1824.595	3	-3285...	3	5041.333	1	0	1	0	1	0	1
36		...	-2956.523	2	-4622...	1	3763.136	3	0	1	0	1	0	1
37	N32	...	2768.274	1	44811...	1	5503.063	1	0	1	0	1	0	1
38		...	1442.718	2	31881...	3	4126.238	3	0	1	0	1	0	1
39	N42	...	-2169.189	3	44787...	1	5500.892	1	0	1	0	1	0	1
40		...	-3300.792	2	31860...	3	4124.225	3	0	1	0	1	0	1
41	N68	...	2774.784	1	-3170...	3	5490.288	1	0	1	0	1	0	1
42		...	1448.318	2	-4460...	1	4115.165	3	0	1	0	1	0	1
43	N6	...	-2174.658	3	-3168...	3	5487.565	1	0	1	0	1	0	1
44		...	-3306.503	2	-4458...	1	4112.98	3	0	1	0	1	0	1
45	N31	...	3129.022	1	42827...	1	6019.338	1	0	1	0	1	0	1
46		...	1789.5	2	30470...	3	4531.032	3	0	1	0	1	0	1
47	N43	...	-2452.514	3	42798...	1	6016.701	1	0	1	0	1	0	1
48		...	-3572.9	2	30445...	3	4528.784	3	0	1	0	1	0	1
49	N67	...	3136.361	1	-3029...	3	6007.269	1	0	1	0	1	0	1
50		...	1795.751	2	-4262...	1	4520.713	3	0	1	0	1	0	1
51	N7	...	-2458.751	3	-3026...	3	6004.38	1	0	1	0	1	0	1
52		...	-3579.235	2	-4259...	1	4518.229	3	0	1	0	1	0	1
53	N30	...	3394.659	1	40517...	1	6590.383	1	0	1	0	1	0	1
54		...	2058.853	2	28828...	3	4979.05	3	0	1	0	1	0	1
55	N44	...	-2661.323	3	40484...	1	6587.199	1	0	1	0	1	0	1

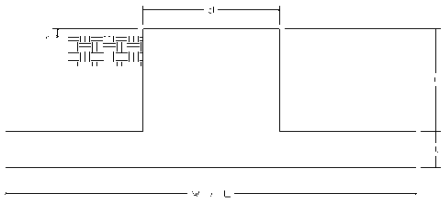
Envelope Joint Reactions (Continued)

	Joint		X [lb]		Y [lb]		Z [lb]		MX [k-ft]		MY [k-ft]	LC	MZ [k-ft]	LC
56		...	-3759.626	2	28800...	3	4976.336	3	0	1	0	1	0	1
57	N66	...	3403.225	1	-2865...	3	6578.497	1	0	1	0	1	0	1
58		...	2066.028	2	-4031...	1	4968.912	3	0	1	0	1	0	1
59	N8	...	-2668.388	3	-2862...	3	6575.573	1	0	1	0	1	0	1
60		...	-3766.66	2	-4027...	1	4966.368	3	0	1	0	1	0	1
61	N29	...	3557.086	1	37900...	1	7198.884	1	0	1	0	1	0	1
62		...	2242.5	2	26967...	3	5456.457	3	0	1	0	1	0	1
63	N45	...	-2789.191	3	37863...	1	7195.346	1	0	1	0	1	0	1
64		...	-3855.087	2	26935...	3	5453.4	3	0	1	0	1	0	1
65	N65	...	3565.933	1	-2679...	3	7188.439	1	0	1	0	1	0	1
66		...	2249.939	2	-3769...	1	5447.39	3	0	1	0	1	0	1
67	N9	...	-2797.076	3	-2675...	3	7184.387	1	0	1	0	1	0	1
68		...	-3862.894	2	-3765...	1	5444.042	3	0	1	0	1	0	1
69	N28	...	3611.318	1	35097...	2	7826.395	1	0	1	0	1	0	1
70		...	2334.741	2	24902...	3	5948.608	3	0	1	0	1	0	1
71	N46	...	-2832.177	3	34955...	1	7822.808	1	0	1	0	1	0	1
72		...	-3856.021	2	24859...	2	5945.533	3	0	1	0	1	0	1
73	N64	...	3624.441	1	-2472...	3	7813.377	1	0	1	0	1	0	1
74		...	2345.753	2	-3492...	2	5937.865	3	0	1	0	1	0	1
75	N10	...	-2840.785	3	-2468...	2	7812.742	1	0	1	0	1	0	1
76		...	-3864.838	2	-3474...	1	5936.914	3	0	1	0	1	0	1
77	N27	...	3555.573	1	32805...	2	8453.924	1	0	1	0	1	0	1
78		...	2332.656	2	22648...	3	6440.71	3	0	1	0	1	0	1
79	N63	...	3566.025	1	-2247...	3	8444.641	1	0	1	0	1	0	1
80		...	2341.891	2	-3262...	2	6432.835	3	0	1	0	1	0	1
81	N47	...	-2788.965	3	31781...	1	8450.401	1	0	1	0	1	0	1
82		...	-3762.96	2	21714...	2	6437.726	3	0	1	0	1	0	1
83	N11	...	-2798.256	3	-2153...	2	8441.3	1	0	1	0	1	0	1
84		...	-3772.533	2	-3157...	1	6429.897	3	0	1	0	1	0	1
85	N26	...	3391.373	1	30264...	2	9062.45	1	0	1	0	1	0	1
86		...	2236.12	2	20222...	3	6917.892	3	0	1	0	1	0	1
87	N62	...	3399.775	1	-2004...	3	9056.654	1	0	1	0	1	0	1
88		...	2243.741	2	-3008...	2	6912.634	3	0	1	0	1	0	1
89	N48	...	-2660.862	3	28366...	1	9059.007	1	0	1	0	1	0	1
90		...	-3578.913	2	18404...	2	6914.994	3	0	1	0	1	0	1
91	N12	...	-2670.83	3	-1822...	2	9050.866	1	0	1	0	1	0	1
92		...	-3588.875	2	-2816...	1	6907.97	3	0	1	0	1	0	1
93	N25	...	3124.091	1	27493...	2	9633.212	1	0	1	0	1	0	1
94		...	2048.534	2	17643...	3	7365.494	3	0	1	0	1	0	1
95	N61	...	3137.716	1	-1746...	3	9625.279	1	0	1	0	1	0	1
96		...	2060.049	2	-2731...	2	7358.824	3	0	1	0	1	0	1
97	N49	...	-2451.82	3	24736...	1	9629.968	1	0	1	0	1	0	1
98		...	-3309.01	2	14954...	2	7362.771	3	0	1	0	1	0	1
99	N13	...	-2462.376	3	-1477...	2	9622.857	1	0	1	0	1	0	1
100		...	-3319.423	2	-2453...	1	7356.625	3	0	1	0	1	0	1
101	N24	...	2762.454	1	24514...	2	10148.5...	1	0	1	0	1	0	1
102		...	1776.324	2	14930...	3	7769.732	3	0	1	0	1	0	1
103	N60	...	2775.283	1	-1475...	3	10142.5...	1	0	1	0	1	0	1
104		...	1787.234	2	-2433...	2	7764.547	3	0	1	0	1	0	1
105	N23	...	2317.468	1	21348...	2	10593.1...	1	0	1	0	1	0	1
106		...	1427.704	2	12105...	3	8118.441	3	0	1	0	1	0	1
107	N59	...	2329.901	1	-1192...	3	10588.4...	1	0	1	0	1	0	1

Envelope Joint Reactions (Continued)

	Joint	X [lb]	Y [lb]	Z [lb]	MX [k-ft]	MY [k-ft]	LC	MZ [k-ft]	LC
108		1438.13	2 -2117...	2 8114.375	3 0	1 0	1	0	1
109	N50	-2168.225	3 20919...	1 10145.8...	1 0	1 0	1	0	1
110		-2961.414	2 11391...	2 7767.429	3 0	1 0	1	0	1
111	N14	-2179.198	3 -1121...	2 10139.8...	1 0	1 0	1	0	1
112		-2972.301	2 -2071...	1 7762.255	3 0	1 0	1	0	1
113	N22	1800.416	1 18021...	2 10953.8...	1 0	1 0	1	0	1
114		1010.829	2 9188....	3 8401.333	3 0	1 0	1	0	1
115	N58	1813.498	1 -9011...	3 10950.3...	1 0	1 0	1	0	1
116		1021.959	2 -1784...	2 8398.283	3 0	1 0	1	0	1
117	N51	-1818.626	3 16943...	1 10591.1...	1 0	1 0	1	0	1
118		-2546.754	2 7743....	2 8116.702	3 0	1 0	1	0	1
119	N15	-1829.954	3 -7567...	2 10586.2...	1 0	1 0	1	0	1
120		-2558.163	2 -1673...	1 8112.534	3 0	1 0	1	0	1
121	N21	1227.664	1 14558...	2 11219.7...	1 0	1 0	1	0	1
122		539.055	2 6201....	3 8609.734	3 0	1 0	1	0	1
123	N57	1242.173	1 -6025...	3 11217.1...	1 0	1 0	1	0	1
124		551.655	2 -1438...	2 8607.529	3 0	1 0	1	0	1
125	N52	-1413.593	3 12839...	1 10952.3...	1 0	1 0	1	0	1
126		-2077.689	2 4036....	2 8399.989	3 0	1 0	1	0	1
127	N16	-1425.261	3 -3860...	2 10948.6...	1 0	1 0	1	0	1
128		-2089.439	2 -1263...	1 8396.823	3 0	1 0	1	0	1
129	N20	618.631	1 10984...	2 11381.9...	1 0	1 0	1	0	1
130		28.771	2 3169....	3 8736.894	3 0	1 0	1	0	1
131	N56	633.194	1 -2992...	3 11380.6...	1 0	1 0	1	0	1
132		41.334	2 -1080...	2 8735.778	3 0	1 0	1	0	1
133	N53	-965.483	3 8638....	1 11218.45	1 0	1 0	1	0	1
134		-1568.582	2 299.2...	2 8608.648	3 0	1 0	1	0	1
135	N17	-977.392	3 -123....	2 11216.0...	1 0	1 0	1	0	1
136		-1580.457	2 -8432...	1 8606.522	3 0	1 0	1	0	1
137	N19	-7.721	3 7327....	2 11435.9...	1 0	1 0	1	0	1
138		-505.292	2 112.7...	3 8779.157	3 0	1 0	1	0	1
139	N55	5.185	1 74.021	1 11435.8...	1 0	1 0	1	0	1
140		-493.14	2 -7151...	2 8779.141	3 0	1 0	1	0	1
141	N54	-487.998	3 4372....	1 11381.2...	1 0	1 0	1	0	1
142		-1035.111	2 -3439...	2 8736.325	3 0	1 0	1	0	1
143	N18	-500.053	3 3615....	2 11380.0...	1 0	1 0	1	0	1
144		-1047.085	2 -4166...	1 8735.262	3 0	1 0	1	0	1
145	N17...	.717	1 -86.497	3 48.867	1 -84.078	3 .003	1	-.032	3
146		-6.796	2 -101....	1 35.251	3 -113.445	1 0	2	-13.212	2
147	Tot...	-.682	3 7317....	1 563064....	1				
148		-54782.626	2 6272.3	2 427913....	3				

Site Name:	Mankes Silo, CT	*Program Last Updated:* *11/15/2012*
Site Number:	370624	
Engineering Number:	OAA685633_C3_03	
Engineer:	DWC	
Date:	11/23/16	
Tower Type:	Silo Tower	



Design Loads (Factored) - Analysis per TIA-222-G Standards

Design / Analysis / Mapping:	Mapping	
Compression/Leg:	0.0	k
Uplift/Leg:	0.0	k
Total Shear:	36.0	k
Moment:	113.4	k-ft
Tower + Appurtenance Weight:	520.0	k
Depth to Base of Foundation (l + t - h):	3.75	ft
Diameter of Pier (d):	0.00	ft
Height of Pier above Ground (h):	0.00	
Width of Pad (W):	19.00	ft
Length of Pad (L):	19.00	ft
Thickness of Pad (t):	3.75	ft
Tower Leg Center to Center:	0.00	ft
Number of Tower Legs:	1.0	(1 if MP or GT)
Tower Center from Mat Center:	0.00	ft
Depth Below Ground Surface to Water Table:	99.00	ft
Unit Weight of Concrete:	150.0	pcf
Unit Weight of Soil Above Water Table:	110.0	pcf
Unit Weight of Water:	62.4	pcf
Unit Weight of Soil Below Water Table:	50.0	pcf
Friction Angle of Uplift:	15.0	Degrees
Ultimate Coefficient of Shear Friction:	0.35	
Ultimate Compressive Bearing Pressure:	10000.0	psf
Ultimate Passive Pressure on Pad Face:	0.0	psf
$\phi_{\text{Soil and Concrete Weight}}$:	0.9	
ϕ_{Soil}:	0.75	

Overturning Moment Usage

Design OTM:	248.4	k-ft
OTM Resistance:	5509.7	k-ft
Design OTM / OTM Resistance:	0.05	Result: OK

Soil Bearing Pressure Usage

Net Bearing Pressure:	2330	psf
Factored Nominal Bearing Pressure:	7500	psf
Net Bearing Pressure/Factored Nominal Bearing Pressure:	0.31	Result: OK
Load Direction Controling Design Bearing Pressure:	Diagonal to Pad Edge	

Sliding Factor of Safety

Total Factored Sliding Resistance:	167.1	k
Sliding Design / Sliding Resistance:	0.22	Result: OK