CDF
CMEX
UPGRADE

STRUCTURAL
AND
MECHANICAL
DESIGN

CASE 3:

Deflections/Stresses on Entire Combined Frame; Full Load with 10% Horizontal Load

F R A M E

STATIC ANALYSIS

STRUCTURAL DYNAMICS RESEARCH CORPORATION

CDF CMEX UPGRADE: FRAME ANALYSIS

*** SPACE FRAME ANALYSIS ***

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
1	9.27	32	33	1	1	41.5	
2	4.50	37	38	1	1	41.5	
3	48.73	38	33	3	2		
4	5.00	38	105	1	1	41.5	
5	3.88	33	106	1	1	41.5	
6	13.00	106	104	1	1	41.5	
7	9.00	105	103	1	1	41.5	
8	3.14	104	36	RIGID			
9	6.01	103	40	RIGID			
10	11.63	106	150	3	3		
11	14.69	150	154	1	4		
12	11.63	104	148	3	3		
13	14.69	148	152	1	4		
14	11.63	105	149	3	3		
15	14.69	149	153	1	4		
16	11.63	103	147	3	3		
17	14.69	147	151	1	4		
18	48.73	40	36	3	2		
19	9.37	36	18	1	1	41.5	
20	4.60	40	23	1	1	41.5	
21	9.26	18	19	1	1	41.5	
22	4.50	23	24	1	1	41.5	
23	48.73	24	19	3	2		
24	3.88	19	102	1	1	41.5	
25	5.00	24	101	1	1	41.5	
26	10.12	293	100	1	1	41.5	
27	7.24	294	99	1	1	41.5	
28	3.14	100	22	RIGID			
29	6.01	99	26	RIGID			
30	11.62	102	142	3	3		
31	14.69	142	146	1	4		
32	11.62	100	140	3	3		
33	14.69	140	144	1	4		
34	11.62	101	141	3	3		
35	14.69	141	145	1	4		
36	11.62	99	139	3	3		
37	14.69	139	143	1	4		
38	48.73	26	22	3	2		
39	9.37	22	1	1	1	41.5	
40	4.60	26	7	1	1	41.5	
41	9.27	1	2	1	1	41.5	

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
42	4.50	7	8	1	1	41.5	
43	48.73	8	2	3	2		
44	3.88	2	98	1	1	41.5	
45	5.00	8	97	1	1	41.5	
46	10.12	291	96	1	1	41.5	
47	7.24	292	95	1	1	41.5	
48	3.14	96	5	RIGID			
49	6.02	95	10	RIGID			
50	11.63	98	134	3	3		
51	14.69	134	138	1	4		
52	11.63	96	132	3	3		
53	14.69	132	136	1	4		
54	11.63	97	133	3	3		
55	14.69	133	137	1	4		
56	11.63	95	131	3	3		
57	14.69	131	135	1	4		
58	48.73	10	5	3	2		
59	9.27	5	6	1	1	41.5	
60	4.50	10	11	1	1	41.5	
61	9.37	6	46	1	1	41.5	
62	4.60	11	51	1	1	41.5	
63	48.73	51	46	3	2		
64	3.87	46	94	1	1	41.5	
65	5.00	51	93	1	1	41.5	
66	10.12	289	92	1	1	41.5	
67	7.24	290	91	1	1	41.5	
68	3.14	92	49	RIGID			
69	6.02	91	53	RIGID			
70	11.63	94	126	3	3		
71	14.69	126	130	1	4		
72	11.63	92	124	3	3		
73	14.69	124	128	1	4		
74	11.63	93	125	3	3		
75	14.69	125	129	1	4		
76	11.63	91	123	3	3		
77	14.69	123	127	1	4		
78	48.73	53	49	3	2		
79	9.27	49	50	1	1	41.5	
80	4.50	53	54	1	1	41.5	
81	9.37	50	60	1	1	41.5	
82	4.60	54	65	1	1	41.5	
83	48.73	65	60	3	2		
84	3.88	60	90	1	1	41.5	
85	5.00	65	89	1	1	41.5	
86	10.12	295	88	1	1	41.5	
87	7.24	296	87	1	1	41.5	

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
88	3.14	88	63	RIGID			
89	6.01	87	67	RIGID			
90	11.63	90	118	3	3		
91	14.69	118	122	1	4		
92	11.63	88	116	3	3		
93	14.69	116	120	1	4		
94	11.63	89	117	3	3		
95	14.69	117	121	1	4		
96	11.63	87	115	3	3		
97	14.69	115	119	1	4		
98	48.73	67	63	3	2		
99	9.26	63	64	1	1	41.5	
100	4.50	67	68	1	1	41.5	
101	9.37	64	74	1	1	41.5	
102	4.60	68	79	1	1	41.5	
103	48.73	79	74	3	2		
104	3.87	74	86	1	1	41.5	
105	5.00	79	85	1	1	41.5	
106	10.11	288	84	1	1	41.5	
107	7.24	287	83	1	1	41.5	
108	3.15	84	77	RIGID			
109	6.01	83	81	RIGID			
110	11.62	86	110	3	3		
111	14.69	110	114	1	4		
112	11.62	84	108	3	3		
113	14.69	108	112	1	4		
114	11.62	85	109	3	3		
115	14.69	109	113	1	4		
116	11.63	83	107	3	3		
117	14.69	107	111	1	4		
118	48.73	81	77	3	2		
119	9.27	77	78	1	1	41.5	
120	4.50	81	82	1	1	41.5	
121	42.02	111	172	2	5		
122	42.02	112	172	2	5		
123	41.99	113	171	2	5		
124	41.99	114	171	2	5		
125	42.02	119	170	2	5		
126	42.02	120	170	2	5		
127	42.00	121	169	2	5		
128	42.00	122	169	2	5		
129	42.01	127	168	2	5	9.0	
130	42.01	128	168	2	5		
131	41.99	129	167	2	5		
132	41.99	130	167	2	5		
133	42.01	135	166	2	5		

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
134	42.01	136	166	2	5		
135	41.99	137	165	2	5		
136	41.99	138	165	2	5		
137	42.01	143	164	2	5		
138	42.01	144	164	2	5		
139	41.99	145	163	2	5		
140	41.99	146	163	2	5		
141	42.01	151	162	2	5		
142	42.01	152	162	2	5		
143	41.99	153	161	2	5		
144	41.99	154	161	2	5		
145	8.50	160	161	2	5		
146	8.50	160	162	2	5		
147	8.50	159	163	2	5		
148	8.50	159	164	2	5		
149	8.50	158	165	2	5		
150	8.50	158	166	2	5		
151	8.50	157	167	2	5		
152	8.50	157	168	2	5		
153	8.50	156	169	2	5		
154	8.50	156	170	2	5		
155	8.50	155	171	2	5		
156	8.50	155	172	2	5		
157	4.60	82	173	1	1	41.5	
158	9.36	78	174	1	1	41.5	
159	48.73	173	174	3	2		
160	7.24	285	181	1	1	41.5	
161	10.11	286	182	1	1	41.5	
162	6.01	181	175	RIGID			
163	3.15	182	176	RIGID			
164	4.50	175	177	1	1	41.5	
165	9.27	176	178	1	1	41.5	
166	48.73	175	176	3	2		
167	11.63	179	183	3	3		
168	11.63	180	184	3	3		
169	11.63	181	185	3	3		
170	11.62	182	186	3	3		
171	14.69	183	187	1	4		
172	14.69	185	189	1	4		
173	14.72	186	190	1	4		
174	14.70	184	188	1	4		
175	41.99	187	191	2	5		
176	41.99	188	191	2	5		
177	42.02	189	192	2	5		
178	42.05	190	192	2	5		
179	8.50	192	193	2	5		

STATIC ANALYSIS
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STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
180	8.50	191	193	2	5		
181	4.60	177	194	1	1	41.5	
182	9.36	178	195	1	1	41.5	
183	38.23	268	195	3	2		
184	5.00	194	200	1	1	41.5	
185	3.88	195	201	1	1	41.5	
186	7.24	283	202	1	1	41.5	
187	10.11	284	203	1	1	41.5	
188	6.01	202	196	RIGID			
189	3.15	203	197	RIGID			
190	4.51	196	198	1	1	41.5	
191	9.27	197	199	1	1	41.5	
192	48.73	196	197	3	2		
193	11.62	200	204	3	3		
194	11.62	201	205	3	3		
195	11.62	202	206	3	3		
196	11.63	203	207	3	3		
197	14.70	204	208	1	4		
198	14.70	205	209	1	4		
199	14.69	206	210	1	4		
200	14.73	207	211	1	4		
201	42.00	208	212	2	5		
202	41.99	209	212	2	5		
203	42.02	210	213	2	5		
204	42.05	211	213	2	5		
205	8.50	213	214	2	5		
206	8.50	212	214	2	5		
207	4.60	198	215	1	1	41.5	
208	9.36	199	216	1	1	41.5	
209	4.99	215	221	1	1	41.5	
210	3.88	216	222	1	1	41.5	
211	7.25	281	223	1	1	41.5	
212	10.11	282	224	1	1	41.5	
213	6.00	223	217	RIGID			
214	3.15	224	218	RIGID			
215	4.51	217	219	1	1	41.5	
216	9.27	218	220	1	1	41.5	
217	48.73	217	218	3	2		
218	48.73	215	216	3	2		
219	11.62	221	225	3	3		
220	11.62	222	226	3	3		
221	11.62	223	227	3	3		
222	11.63	224	228	3	3		
223	14.69	225	229	1	4		
224	14.69	226	230	1	4		
225	14.69	227	231	1	4		

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
226	14.72	228	232	1	4		
227	41.99	229	233	2	5		
228	41.99	230	233	2	5		
229	42.02	231	234	2	5		
230	42.05	232	234	2	5		
231	8.50	234	235	2	5		
232	8.50	233	235	2	5		
233	5.00	173	179	1	1	41.5	
234	3.88	174	180	1	1	41.5	
237	22.88	248	236	4	7		
238	37.88	249	237	4	7		
239	32.77	236	238	4	7		
240	17.77	237	239	4	7		
241	38.97	248	247	5	9	45.0	
242	38.97	249	247	5	9	45.0	
243	38.97	238	247	5	9	45.0	
244	38.97	239	247	5	9	45.0	
245	54.58	238	239	4	8		
246	34.48	238	240	4	7		
247	60.05	239	241	4	7		
248	42.52	240	242	4	7		
249	16.95	241	243	4	7		
250	47.19	238	246	5	9	45.0	
251	47.19	239	246	5	9	45.0	
252	47.19	242	246	5	9	45.0	
253	47.19	243	246	5	9	45.0	
254	54.58	242	243	4	8		
255	11.75	242	244	4	7		
256	11.75	243	245	4	7		
260	48.58	248	249	4	8	90.0	
261	21.50	250	248	4	7		
262	16.77	251	249	4	7		
263	7.95	250	290	1	1		
264	8.03	251	289	1	1		
265	34.98	252	250	4	7		
266	39.70	253	251	4	7		
267	48.58	252	253	4	8	90.0	
268	13.22	254	252	4	7		
269	17.95	255	253	4	7		
270	7.95	254	292	1	1		
271	8.03	255	291	1	1		
272	43.25	256	254	4	7		
273	38.52	257	255	4	7		
274	48.58	256	257	4	8	90.0	
275	3.30	258	256	4	7		
276	17.17	259	257	4	7		

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
277	20.43	258	294	1	1		
278	22.95	259	293	1	1		
279	65.42	258	105	4	8		
280	77.39	259	106	4	8		
281	76.70	260	258	4	7		
282	62.83	261	259	4	7		
295	39.27	248	265	5	9	45.0	
296	39.27	249	265	5	9	45.0	
297	39.27	252	265	5	9	45.0	
298	39.27	253	265	5	9	45.0	
299	39.27	252	266	5	9	45.0	
300	39.27	253	266	5	9	45.0	
301	39.27	256	266	5	9	45.0	
302	39.27	257	266	5	9	45.0	
303	48.42	256	267	5	9	45.0	
304	48.42	257	267	5	9	45.0	
305	48.42	260	267	5	9	45.0	
306	48.42	261	267	5	9	45.0	
307	10.50	194	268	3	2		
308	39.54	236	269	4	7		
309	21.17	237	270	4	7		
310	29.87	269	272	4	7		
311	66.25	270	273	4	7		
312	36.38	272	274	4	7		
313	56.18	273	276	4	7		
314	17.04	274	275	4	7		
315	62.11	269	270	4	8		
316	62.11	274	273	4	8		
317	12.83	241	271	4	7		
318	80.23	240	275	4	7		
319	82.28	271	276	4	7		
320	57.00	240	271	4	8		
321	55.54	275	276	4	8		
322	53.27	275	278	4	7		
323	12.69	276	277	4	7		
324	62.84	278	280	4	7		
325	58.76	277	279	4	7		
326	67.81	279	280	4	7		
327	26.87	280	281	1	1		
328	45.29	280	282	1	1		
329	14.92	278	283	1	1		
330	26.76	279	284	1	1		
331	21.91	275	285	1	1		
332	23.32	276	286	1	1		
333	14.92	272	287	1	1		
334	18.81	273	288	1	1		

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

STRAIGHT BEAMS

BEAM	LENGTH	FORE END JOINT	AFT END JOINT	MATERIAL CODE	SECTION CODE	ROTATION ANGLE	TEMP.
335	1.76	221	281	1	1	41.5	
336	2.88	222	282	1	1	41.5	
337	1.76	200	283	1	1	41.5	
338	2.88	201	284	1	1	41.5	
339	1.76	179	285	1	1	41.5	
340	2.88	180	286	1	1	41.5	
341	1.76	85	287	1	1	41.5	
342	2.89	86	288	1	1	41.5	
345	106.83	271	275	5	9	45.0	
346	90.13	240	276	5	9	45.0	
347	66.14	269	273	5	9	45.0	
348	110.08	270	274	5	9	45.0	
349	2.88	94	289	1	1	41.5	
350	1.76	93	290	1	1	41.5	
351	2.88	98	291	1	1	41.5	
352	1.76	97	292	1	1	41.5	
353	2.88	102	293	1	1	41.5	
354	1.76	101	294	1	1	41.5	
355	2.88	90	295	1	1	41.5	
356	1.76	89	296	1	1	41.5	
357	30.77	269	296	1	1		
358	23.46	270	295	1	1		

RIGID BEAM END OFFSET

BEAM	END	TYPE	OFFSET		
1	AFT	3	3.500	0.000	0.000
2	AFT	3	3.500	0.000	0.000
3	FORE	3	3.000	0.000	0.000
3	AFT	3	3.000	0.000	0.000
4	FORE	3	3.500	0.000	0.000
4	AFT	3	3.000	0.000	0.000
5	FORE	3	3.500	0.000	0.000
5	AFT	3	3.000	0.000	0.000
6	FORE	3	3.000	0.000	0.000
6	AFT	3	3.000	0.000	0.000
7	FORE	3	3.000	0.000	0.000
7	AFT	3	3.000	0.000	0.000
10	FORE	3	3.000	0.000	0.000
12	FORE	3	3.000	0.000	0.000
14	FORE	3	3.000	0.000	0.000
16	FORE	3	3.000	0.000	0.000
18	FORE	3	3.000	0.000	0.000
18	AFT	3	3.000	0.000	0.000
19	FORE	3	3.500	0.000	0.000

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

RIGID BEAM END OFFSET

BEAM	END	TYPE		OFFSET	
20	FORE	3	3.500	0.000	0.000
21	AFT	3	3.500	0.000	0.000
22	AFT	3	3.500	0.000	0.000
23	FORE	3	3.000	0.000	0.000
23	AFT	3	3.000	0.000	0.000
24	FORE	3	3.500	0.000	0.000
24	AFT	3	3.000	0.000	0.000
25	FORE	3	3.500	0.000	0.000
25	AFT	3	3.000	0.000	0.000
26	AFT	3	3.000	0.000	0.000
27	AFT	3	3.000	0.000	0.000
30	FORE	3	3.000	0.000	0.000
32	FORE	3	3.000	0.000	0.000
34	FORE	3	3.000	0.000	0.000
36	FORE	3	3.000	0.000	0.000
38	FORE	3	3.000	0.000	0.000
38	AFT	3	3.000	0.000	0.000
39	FORE	3	3.500	0.000	0.000
40	FORE	3	3.500	0.000	0.000
41	AFT	3	3.500	0.000	0.000
42	AFT	3	3.500	0.000	0.000
43	FORE	3	3.000	0.000	0.000
43	AFT	3	3.000	0.000	0.000
44	FORE	3	3.500	0.000	0.000
44	AFT	3	3.000	0.000	0.000
45	FORE	3	3.500	0.000	0.000
45	AFT	3	3.000	0.000	0.000
46	AFT	3	3.000	0.000	0.000
47	AFT	3	3.000	0.000	0.000
50	FORE	3	3.000	0.000	0.000
52	FORE	3	3.000	0.000	0.000
54	FORE	3	3.000	0.000	0.000
56	FORE	3	3.000	0.000	0.000
58	FORE	3	3.000	0.000	0.000
58	AFT	3	3.000	0.000	0.000
59	FORE	3	3.500	0.000	0.000
60	FORE	3	3.500	0.000	0.000
61	AFT	3	3.500	0.000	0.000
62	AFT	3	3.500	0.000	0.000
63	FORE	3	3.000	0.000	0.000
63	AFT	3	3.000	0.000	0.000
64	FORE	3	3.500	0.000	0.000
64	AFT	3	3.000	0.000	0.000
65	FORE	3	3.500	0.000	0.000
65	AFT	3	3.000	0.000	0.000
66	AFT	3	3.000	0.000	0.000
67	AFT	3	3.000	0.000	0.000
70	FORE	3	3.000	0.000	0.000

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

RIGID BEAM END OFFSET

BEAM	END	TYPE		OFFSET	
72	FORE	3	3.000	0.000	0.000
74	FORE	3	3.000	0.000	0.000
76	FORE	3	3.000	0.000	0.000
78	FORE	3	3.000	0.000	0.000
78	AFT	3	3.000	0.000	0.000
79	FORE	3	3.500	0.000	0.000
80	FORE	3	3.500	0.000	0.000
81	AFT	3	3.500	0.000	0.000
82	AFT	3	3.500	0.000	0.000
83	FORE	3	3.000	0.000	0.000
83	AFT	3	3.000	0.000	0.000
84	FORE	3	3.500	0.000	0.000
84	AFT	3	3.000	0.000	0.000
85	FORE	3	3.500	0.000	0.000
85	AFT	3	3.000	0.000	0.000
86	AFT	3	3.000	0.000	0.000
87	AFT	3	3.000	0.000	0.000
90	FORE	3	3.000	0.000	0.000
92	FORE	3	3.000	0.000	0.000
94	FORE	3	3.000	0.000	0.000
96	FORE	3	3.000	0.000	0.000
98	FORE	3	3.000	0.000	0.000
98	AFT	3	3.000	0.000	0.000
99	FORE	3	3.500	0.000	0.000
100	FORE	3	3.500	0.000	0.000
101	AFT	3	3.500	0.000	0.000
102	AFT	3	3.500	0.000	0.000
103	FORE	3	3.000	0.000	0.000
103	AFT	3	3.000	0.000	0.000
104	FORE	3	3.500	0.000	0.000
104	AFT	3	3.000	0.000	0.000
105	FORE	3	3.500	0.000	0.000
105	AFT	3	3.000	0.000	0.000
106	AFT	3	3.000	0.000	0.000
107	AFT	3	3.000	0.000	0.000
110	FORE	3	3.000	0.000	0.000
112	FORE	3	3.000	0.000	0.000
114	FORE	3	3.000	0.000	0.000
116	FORE	3	3.000	0.000	0.000
118	FORE	3	3.000	0.000	0.000
118	AFT	3	3.000	0.000	0.000
119	FORE	3	3.500	0.000	0.000
120	FORE	3	3.500	0.000	0.000
157	AFT	3	3.500	0.000	0.000
158	AFT	3	3.500	0.000	0.000
159	FORE	3	3.000	0.000	0.000
159	AFT	3	3.000	0.000	0.000
160	AFT	3	3.000	0.000	0.000

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

BEAM	RIGID BEAM END OFFSET END	TYPE		OFFSET	
161	AFT	3	3.000	0.000	0.000
164	FORE	3	3.500	0.000	0.000
165	FORE	3	3.500	0.000	0.000
166	FORE	3	3.000	0.000	0.000
166	AFT	3	3.000	0.000	0.000
167	FORE	3	3.000	0.000	0.000
168	FORE	3	3.000	0.000	0.000
169	FORE	3	3.000	0.000	0.000
170	FORE	3	3.000	0.000	0.000
181	AFT	3	3.500	0.000	0.000
182	AFT	3	3.500	0.000	0.000
183	AFT	3	3.000	0.000	0.000
184	FORE	3	3.500	0.000	0.000
184	AFT	3	3.000	0.000	0.000
185	FORE	3	3.500	0.000	0.000
185	AFT	3	3.000	0.000	0.000
186	AFT	3	3.000	0.000	0.000
187	AFT	3	3.000	0.000	0.000
190	FORE	3	3.500	0.000	0.000
191	FORE	3	3.500	0.000	0.000
192	FORE	3	3.000	0.000	0.000
192	AFT	3	3.000	0.000	0.000
193	FORE	3	3.000	0.000	0.000
194	FORE	3	3.000	0.000	0.000
195	FORE	3	3.000	0.000	0.000
196	FORE	3	3.000	0.000	0.000
207	AFT	3	3.500	0.000	0.000
208	AFT	3	3.500	0.000	0.000
209	FORE	3	3.500	0.000	0.000
209	AFT	3	3.000	0.000	0.000
210	FORE	3	3.500	0.000	0.000
210	AFT	3	3.000	0.000	0.000
211	AFT	3	3.000	0.000	0.000
212	AFT	3	3.000	0.000	0.000
215	FORE	3	3.500	0.000	0.000
216	FORE	3	3.500	0.000	0.000
217	FORE	3	3.000	0.000	0.000
217	AFT	3	3.000	0.000	0.000
218	FORE	3	3.000	0.000	0.000
218	AFT	3	3.000	0.000	0.000
219	FORE	3	3.000	0.000	0.000
220	FORE	3	3.000	0.000	0.000
221	FORE	3	3.000	0.000	0.000
222	FORE	3	3.000	0.000	0.000
233	FORE	3	3.500	0.000	0.000
233	AFT	3	3.000	0.000	0.000
234	FORE	3	3.500	0.000	0.000
234	AFT	3	3.000	0.000	0.000

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

BEAM	RIGID BEAM END OFFSET END	TYPE		OFFSET	
260	FORE	3	3.000	0.000	0.000
260	AFT	3	3.000	0.000	0.000
263	FORE	3	5.000	0.000	0.000
264	FORE	3	5.000	0.000	0.000
267	FORE	3	3.000	0.000	0.000
267	AFT	3	3.000	0.000	0.000
270	FORE	3	5.000	0.000	0.000
271	FORE	3	5.000	0.000	0.000
274	FORE	3	3.000	0.000	0.000
274	AFT	3	3.000	0.000	0.000
277	FORE	3	5.000	0.000	0.000
278	FORE	3	5.000	0.000	0.000
279	FORE	3	4.000	0.000	0.000
280	FORE	3	4.000	0.000	0.000
307	FORE	3	3.000	0.000	0.000
335	AFT	3	3.000	0.000	0.000
336	AFT	3	3.000	0.000	0.000
337	AFT	3	3.000	0.000	0.000
338	AFT	3	3.000	0.000	0.000
339	AFT	3	3.000	0.000	0.000
340	AFT	3	3.000	0.000	0.000
341	AFT	3	3.000	0.000	0.000
342	AFT	3	3.000	0.000	0.000
349	AFT	3	3.000	0.000	0.000
350	AFT	3	3.000	0.000	0.000
351	AFT	3	3.000	0.000	0.000
352	AFT	3	3.000	0.000	0.000
353	AFT	3	3.000	0.000	0.000
354	AFT	3	3.000	0.000	0.000
355	AFT	3	3.000	0.000	0.000
356	AFT	3	3.000	0.000	0.000

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

JOINT COORDINATES

JOINT	X	Y	Z
1	215.180	-57.604	159.340
2	216.850	-44.947	159.340
5	221.090	-12.709	159.340
6	222.760	-0.051	159.340
7	179.880	-48.146	200.360
8	180.930	-40.218	200.360
10	185.170	-7.980	200.360
11	186.210	-0.051	200.360
18	192.940	-111.330	159.340
19	197.820	-99.539	159.340
22	210.270	-69.498	159.340
23	161.290	-93.062	200.360
24	164.350	-85.674	200.360
26	176.790	-55.633	200.360
32	157.550	-157.480	159.340
33	165.320	-147.350	159.340
36	185.120	-121.550	159.340
37	131.710	-131.640	200.360
38	136.580	-125.290	200.360
40	156.370	-99.495	200.360
46	221.090	12.709	159.340
49	216.850	44.947	159.340
50	215.180	57.604	159.340
51	185.170	7.980	200.360
53	180.930	40.218	200.360
54	179.880	48.146	200.360
60	210.270	69.498	159.340
63	197.820	99.539	159.340
64	192.940	111.330	159.340
65	176.790	55.633	200.360
67	164.350	85.674	200.360
68	161.290	93.062	200.360
74	185.120	121.550	159.340
77	165.320	147.350	159.340
78	157.550	157.480	159.340
79	156.370	99.495	200.360
81	136.580	125.290	200.360
82	131.710	131.640	200.360
83	140.239	120.520	200.360
84	167.239	144.856	159.340
85	149.369	108.619	200.360
86	178.805	129.780	159.340
87	166.650	80.117	200.360
88	199.030	96.638	159.340
89	172.390	66.258	200.360
90	206.300	79.084	159.340
91	181.714	34.253	200.360
92	217.260	41.833	159.340

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

JOINT COORDINATES

JOINT	X	Y	Z
93	183.670	19.382	200.360
94	219.737	22.995	159.340
95	184.390	-13.944	200.360
96	220.680	-15.823	159.340
97	182.430	-28.816	200.360
98	218.203	-34.660	159.340
99	174.489	-61.190	200.360
100	209.060	-72.399	159.340
101	168.750	-75.049	200.360
102	201.789	-89.953	159.340
103	152.710	-104.260	200.360
104	183.200	-124.040	159.340
105	143.580	-116.166	200.360
106	171.635	-139.118	159.340
107	132.557	114.627	211.323
108	174.920	150.749	148.379
109	141.687	102.726	211.320
110	186.487	135.673	148.379
111	123.823	107.926	201.597
112	166.188	144.049	138.655
113	132.953	96.025	201.597
114	177.750	128.973	138.655
115	157.704	76.412	211.322
116	207.976	100.343	148.379
117	163.444	62.553	211.321
118	215.246	82.788	148.379
119	147.534	72.201	201.597
120	197.806	96.131	138.655
121	153.274	58.342	201.597
122	205.076	78.577	138.655
123	172.115	32.989	211.322
124	226.859	43.097	148.378
125	174.071	18.118	211.322
126	229.336	24.259	148.378
127	161.201	31.554	201.599
128	215.944	41.661	138.655
129	163.157	16.683	201.599
130	218.421	22.823	138.655
131	174.791	-12.680	211.322
132	230.279	-17.087	148.378
133	172.831	-27.552	211.322
134	227.802	-35.924	148.378
135	163.877	-11.245	201.599
136	219.364	-15.651	138.655
137	161.917	-26.117	201.599
138	216.887	-34.488	138.655
139	165.545	-57.485	211.322
140	218.004	-76.104	148.378

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

JOINT COORDINATES

JOINT	X	Y	Z
141	159.806	-71.344	211.322
142	210.733	-93.658	148.378
143	155.374	-53.273	201.599
144	207.833	-71.892	138.655
145	149.635	-67.132	201.599
146	200.562	-89.446	138.655
147	145.030	-98.365	211.322
148	190.880	-129.935	148.378
149	135.900	-110.271	211.322
150	179.315	-145.013	148.378
151	136.296	-91.664	201.599
152	182.146	-123.234	138.655
153	127.166	-103.570	201.599
154	170.580	-138.312	138.655
155	150.179	119.244	170.127
156	175.923	76.313	170.127
157	189.681	28.181	170.127
158	190.512	-21.876	170.127
159	178.352	-70.436	170.127
160	154.047	-114.195	170.127
161	148.873	-120.941	170.127
162	159.221	-107.449	170.127
163	175.099	-78.289	170.127
164	181.604	-62.583	170.127
165	189.402	-30.303	170.127
166	191.621	-13.448	170.127
167	190.789	19.753	170.127
168	188.573	36.608	170.127
169	179.175	68.460	170.127
170	172.670	84.166	170.127
171	155.352	112.499	170.127
172	145.006	125.988	170.127
173	125.290	136.576	200.360
174	147.350	165.320	159.340
175	99.500	156.370	200.360
176	121.550	185.120	159.340
177	93.150	161.240	200.360
178	111.420	192.890	159.340
179	116.170	143.580	200.360
180	139.120	171.640	159.340
181	104.270	152.710	200.360
182	124.050	183.200	159.340
183	110.270	135.897	211.323
184	145.020	179.320	148.379
185	98.370	145.030	211.323
186	129.940	190.880	148.379
187	103.570	127.160	201.597
188	138.310	170.580	138.655

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

JOINT COORDINATES

JOINT	X	Y	Z
189	91.670	136.296	201.597
190	123.240	182.150	138.597
191	120.940	148.870	170.127
192	107.460	159.230	170.127
193	114.200	154.050	170.127
194	85.670	164.350	200.360
195	99.540	197.820	159.340
196	55.640	176.790	200.360
197	69.500	210.270	159.340
198	48.240	179.850	200.360
199	57.700	215.160	159.340
200	75.050	168.750	200.360
201	89.956	201.800	159.340
202	61.190	174.490	200.360
203	72.410	209.060	159.340
204	71.340	159.810	211.323
205	93.670	210.740	148.379
206	57.480	165.550	211.323
207	76.110	218.010	148.379
208	67.130	149.630	201.597
209	89.450	200.560	138.655
210	53.270	155.380	201.597
211	71.897	207.840	138.597
212	78.290	175.100	170.127
213	62.590	181.620	170.127
214	70.440	178.360	170.127
215	40.210	180.920	200.360
216	44.950	216.840	159.340
217	7.990	185.170	200.360
218	12.710	221.090	159.340
219	0.050	186.210	200.360
220	0.050	222.760	159.340
221	28.820	182.420	200.360
222	34.660	218.210	159.340
223	13.940	184.380	200.360
224	15.830	220.680	159.340
225	27.550	172.830	211.323
226	35.930	227.800	148.379
227	12.670	174.790	211.323
228	17.090	230.280	148.379
229	26.120	161.910	201.597
230	34.490	216.880	138.655
231	11.240	163.870	201.597
232	15.650	219.370	138.597
233	30.300	189.400	170.127
234	13.450	191.630	170.127
235	21.875	190.515	170.127
236	196.000	68.482	200.360

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

JOINT COORDINATES

JOINT	X	Y	Z
237	232.000	83.482	159.340
238	196.000	101.250	200.360
239	232.000	101.250	159.340
240	196.000	135.728	200.360
241	232.000	161.299	159.340
242	196.000	178.250	200.360
243	232.000	178.250	159.340
244	196.000	190.000	200.360
245	232.000	190.000	159.340
246	214.000	139.750	179.850
247	214.000	73.424	179.850
248	196.000	45.598	200.360
249	232.000	45.598	159.340
250	196.000	24.099	200.360
251	232.000	28.828	159.340
252	196.000	-10.876	200.360
253	232.000	-10.876	159.340
254	196.000	-24.099	200.360
255	232.000	-28.828	159.340
256	196.000	-67.350	200.360
257	232.000	-67.350	159.340
258	196.000	-70.654	200.360
259	232.000	-84.519	159.340
260	196.000	-147.350	200.360
261	232.000	-147.350	159.340
265	214.000	17.361	179.850
266	214.000	-39.113	179.850
267	214.000	-107.350	179.850
268	89.091	172.606	190.242
269	173.866	101.250	200.360
270	220.497	101.250	159.340
271	220.437	166.863	159.340
272	155.149	124.530	200.360
273	178.987	152.879	159.340
274	132.356	152.879	200.360
275	121.802	166.257	200.360
276	143.725	196.617	159.340
277	131.893	201.206	159.340
278	72.098	185.421	200.360
279	79.422	204.309	185.605
280	13.324	207.660	200.360
281	24.100	183.045	200.360
282	28.830	218.965	159.340
283	70.655	170.570	200.360
284	84.520	204.045	159.340
285	112.395	146.473	200.360
286	134.450	175.220	159.340
287	146.475	112.393	200.360

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

JOINT COORDINATES

JOINT	X	Y	Z
288	175.220	134.450	159.340
289	218.970	28.828	159.340
290	183.050	24.099	200.360
291	218.970	-28.828	159.340
292	183.050	-24.099	200.360
293	204.045	-84.519	159.340
294	170.570	-70.654	200.360
295	204.045	84.519	159.340
296	170.570	70.654	200.360

MATERIAL PROPERTIES

CODE	E	POISSON'S	DENSITY	THERMAL COEFFICIENT	YIELD
1	30.0E+06	0.290	2.840E-01	2.010E-06	3.600E+04
2	30.0E+09	0.290	1.000E-03	2.010E-06	4.200E+04
3	30.0E+06	0.290	2.840E-01	2.010E-06	4.200E+04
4	30.0E+06	0.290	1.000E-04	2.010E-06	4.200E+04
5	30.0E+06	0.290	1.000E-04	2.010E-06	3.600E+04

SPECIAL CROSS SECTIONS

CODE	TYPE	P1	P2	P3	P4	P5	P6
1	STEEL SECT.	W8X24	AISC 8TH				
2	STEEL SECT.	T7X7X4	AISC 8TH				
3	STEEL SECT.	T6X6X4	AISC 8TH				
7	STEEL SECT.	T10X6X8	AISC 8TH				
8	STEEL SECT.	T6X6X8	AISC 8TH				
9	STEEL SECT.	L3X3X5	AISC 8TH				

CROSS-SECTION PROPERTIES

CODE	AREA	MOMENTS OF INERTIA Z	MOMENTS OF INERTIA Y	SHEAR RATIO Y	SHEAR RATIO Z	TORSION CONSTANT	WARPING CONSTANT	DEG. FIX.
1	7.080E+00	8.280E+01	1.830E+01	3.74	1.50	3.500E-01	2.590E+02	0.60
2	6.590E+00	4.940E+01	4.940E+01	2.21	2.21	7.878E+01		
3	5.590E+00	3.033E+01	3.033E+01	2.19	2.19	4.887E+01		
4	9.000E+00	6.750E+00	6.750E+00	1.16	1.16	1.159E+01		
5	3.134E+00	7.816E-01	7.816E-01	1.13	1.13	1.563E+00		
6	1.963E-01	3.050E-03	3.050E-03	1.13	1.13	6.100E-03		
7	1.435E+01	1.807E+02	8.080E+01	1.60	3.29	1.889E+02		
8	1.035E+01	5.047E+01	5.047E+01	2.08	2.08	8.698E+01		
9	1.780E+00	2.403E+00	6.294E-01	2.13	2.40	7.058E-02	2.861E-02	0.40
10	1.097E+01	1.027E+02	6.340E+01	1.95	2.37	1.138E+02	4.294E+01	

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

CODE	ECCENTRICITY Z	Y
9	0.950	0.000
10	0.001	0.002

STRESS RECOVERY VALUES

CODE	COMBINED STRESS	POINT 1/3 C(Y)	C(Z)	R(EFF)	POINT 2/4 C(Y)	C(Z)	R(EFF)
1	422	3.970	3.250	0.000	3.970	0.000	0.666
		-3.970	0.000	0.666			
2	4	3.350	3.350	3.480			
3	4	2.850	2.850	2.970			
4	0	1.000	1.000	1.000			
6	0	1.000	1.000	1.000			
7	4	4.880	2.470	3.650			
8	4	2.710	2.710	2.910			
9	2	2.120	0.910	0.000	0.000	-1.210	0.498
		-2.120	0.910				
10	0	1.000	1.000	1.000			

TOTAL STRUCTURE WEIGHT/MASS = 5.374E+03

C.G. LOCATION: X = 144.335 Y = 68.006 Z = 178.001

SPECIFIED RESTRAINTS

JOINT	DIRECTION	VALUE
105	123	
106	123	
260	123	
261	123	
256	123	
257	123	

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS

LOADING NO. 1: FULL LOAD WITH BASE AND 9 CHAMBERS

ACCELERATION LOADING
A(X) = 0.000E+00 A(Y) = -1.000E+00 A(Z) = 0.000E+00

JOINT	APPLIED FORCES DIR	TYPE	VALUE	FINAL JOINT	INC.
155	Y	FORCE	-8.270E+02		
156	Y	FORCE	-8.270E+02		
157	Y	FORCE	-8.270E+02		
158	Y	FORCE	-8.270E+02		
159	Y	FORCE	-8.270E+02		
160	Y	FORCE	-8.270E+02		
193	Y	FORCE	-8.270E+02		
214	Y	FORCE	-8.270E+02		
235	Y	FORCE	-8.270E+02		
155	Z	FORCE	-8.300E+01		
156	Z	FORCE	-8.300E+01		
157	Z	FORCE	-8.300E+01		
158	Z	FORCE	-8.300E+01		
159	Z	FORCE	-8.300E+01		
160	Z	FORCE	-8.300E+01		
193	Z	FORCE	-8.300E+01		
214	Z	FORCE	-8.300E+01		
235	Z	FORCE	-8.300E+01		

TOTAL APPLIED FORCES:
F(X) = 0.000E+00 F(Y) = -1.282E+04 F(Z) = -7.470E+02

MOMENTS ABOUT ORIGIN:
M(X) = 2.178E+06 M(Y) = 1.034E+05 M(Z) = -1.805E+06

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DEGREES OF FREEDOM =        1368
MAXIMUM BANDWIDTH =          402
AVERAGE BANDWIDTH =           35
PROFILE SIZE =             48465

NUMBER OF JOINTS =           249
NUMBER OF ELEMENTS =         339
MAXIMUM JOINT NUMBER =       296
MAXIMUM ELEMENT NUMBER =     358
DIAGONAL ELEMENTS: AVERAGE = 7.432E+08 SMALLEST = 4.103E+04 ROW    1104
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F R A M E

STATIC ANALYSIS

STRUCTURAL DYNAMICS RESEARCH CORPORATION

CDF CMEX UPGRADE: FRAME ANALYSIS

UNITS USED FOR RESULTS:

UNITS FOR DISPLACEMENT ARE: IN

UNITS FOR FORCE ARE: LB

UNITS FOR STRESS ARE: PSI

UNITS FOR STRAIN ENERGY ARE: LB -IN

*** LOADING NO. 1: FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT	JOINT DISPLACEMENTS X	Y	Z	THETA(X)	THETA(Y)	THETA(Z)
1	3.337E-03	-8.474E-03	-2.280E-03	-3.033E-04	-8.101E-05	1.832E-04
2	-1.124E-03	-8.496E-03	-6.437E-03	-3.815E-04	-5.785E-05	4.228E-04
5	-1.761E-02	-7.592E-03	-2.331E-02	-6.931E-04	-4.589E-05	6.089E-04
6	-2.579E-02	-7.243E-03	-3.236E-02	-8.431E-04	-1.583E-04	8.955E-04
7	1.241E-04	-6.794E-03	-5.146E-03	-3.759E-04	-4.674E-05	2.479E-04
8	-3.193E-03	-6.868E-03	-8.430E-03	-4.231E-04	-4.107E-05	4.359E-04
10	-2.284E-02	-5.881E-03	-2.818E-02	-8.038E-04	-6.951E-05	7.240E-04
11	-2.869E-02	-5.642E-03	-3.455E-02	-8.927E-04	-1.067E-04	9.419E-04
18	6.865E-03	-7.324E-03	2.325E-03	-2.326E-05	-8.079E-05	-7.201E-05
19	5.533E-03	-7.475E-03	2.152E-03	-3.741E-05	-5.329E-05	1.057E-04
22	3.296E-03	-7.810E-03	-2.299E-04	-1.837E-04	-6.568E-06	1.178E-05
23	5.472E-03	-6.178E-03	1.090E-03	-4.155E-05	-6.547E-05	-6.787E-05
24	4.481E-03	-6.345E-03	8.424E-04	-3.607E-05	-5.928E-05	9.287E-05
26	5.912E-04	-6.435E-03	-3.126E-03	-2.939E-04	-2.017E-05	8.861E-05
32	-3.912E-03	2.992E-03	-2.336E-03	6.396E-05	-1.017E-04	-2.040E-04
33	-1.846E-03	1.408E-03	-8.994E-04	6.387E-05	-1.016E-04	-2.042E-04
36	4.770E-03	-4.897E-03	1.527E-03	3.306E-05	-4.704E-05	-2.391E-04
37	-3.122E-03	2.402E-03	-1.919E-03	8.087E-05	-7.952E-05	-1.880E-04
38	-1.928E-03	1.487E-03	-1.019E-03	8.085E-05	-7.952E-05	-1.881E-04
40	4.162E-03	-4.490E-03	8.380E-04	-2.797E-05	-4.334E-05	-2.278E-04
46	-4.023E-02	-9.873E-03	-4.468E-02	-9.992E-04	-1.172E-04	1.191E-03
49	-8.229E-02	-1.662E-02	-8.328E-02	-1.327E-03	-1.358E-04	1.401E-03
50	-1.006E-01	-1.965E-02	-1.008E-01	-1.408E-03	-1.959E-04	1.615E-03
51	-3.802E-02	-7.389E-03	-4.258E-02	-9.821E-04	-9.411E-05	1.159E-03
53	-8.062E-02	-1.440E-02	-8.145E-02	-1.326E-03	-1.483E-04	1.407E-03
54	-9.186E-02	-1.629E-02	-9.215E-02	-1.374E-03	-1.656E-04	1.565E-03
60	-1.219E-01	-2.909E-02	-1.196E-01	-1.510E-03	-1.577E-04	1.790E-03
63	-1.746E-01	-5.196E-02	-1.697E-01	-1.653E-03	-1.831E-04	1.727E-03
64	-1.947E-01	-6.075E-02	-1.901E-01	-1.668E-03	-2.371E-04	1.824E-03
65	-1.047E-01	-2.202E-02	-1.035E-01	-1.448E-03	-1.538E-04	1.705E-03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT	X	Y	Z	THETA(X)	THETA(Y)	THETA(Z)
67	-1.573E-01	-4.481E-02	-1.531E-01	-1.651E-03	-2.221E-04	1.753E-03
68	-1.701E-01	-5.033E-02	-1.660E-01	-1.680E-03	-2.439E-04	1.817E-03
74	-2.141E-01	-7.618E-02	-2.094E-01	-1.699E-03	-2.435E-04	1.935E-03
77	-2.642E-01	-1.153E-01	-2.604E-01	-1.799E-03	-2.998E-04	1.977E-03
78	-2.843E-01	-1.310E-01	-2.809E-01	-1.796E-03	-3.378E-04	2.064E-03
79	-1.821E-01	-5.982E-02	-1.782E-01	-1.713E-03	-2.497E-04	1.890E-03
81	-2.325E-01	-9.922E-02	-2.296E-01	-1.793E-03	-3.212E-04	2.018E-03
82	-2.453E-01	-1.092E-01	-2.426E-01	-1.806E-03	-3.386E-04	2.074E-03
83	-2.228E-01	-9.184E-02	-2.199E-01	-1.793E-03	-3.212E-04	2.018E-03
84	-2.592E-01	-1.115E-01	-2.553E-01	-1.799E-03	-2.998E-04	1.977E-03
85	-1.995E-01	-7.349E-02	-1.959E-01	-1.747E-03	-2.734E-04	1.937E-03
86	-2.301E-01	-8.866E-02	-2.251E-01	-1.725E-03	-2.740E-04	1.932E-03
87	-1.476E-01	-4.077E-02	-1.434E-01	-1.651E-03	-2.221E-04	1.753E-03
88	-1.696E-01	-4.987E-02	-1.647E-01	-1.653E-03	-1.831E-04	1.727E-03
89	-1.235E-01	-3.026E-02	-1.202E-01	-1.514E-03	-1.623E-04	1.779E-03
90	-1.394E-01	-3.662E-02	-1.351E-01	-1.545E-03	-1.700E-04	1.792E-03
91	-7.223E-02	-1.330E-02	-7.342E-02	-1.326E-03	-1.483E-04	1.407E-03
92	-7.792E-02	-1.605E-02	-7.909E-02	-1.327E-03	-1.358E-04	1.401E-03
93	-5.248E-02	-9.862E-03	-5.479E-02	-1.093E-03	-1.078E-04	1.293E-03
94	-5.304E-02	-1.187E-02	-5.562E-02	-1.084E-03	-1.384E-04	1.252E-03
95	-1.852E-02	-6.445E-03	-2.344E-02	-8.038E-04	-6.951E-05	7.240E-04
96	-1.571E-02	-7.842E-03	-2.117E-02	-6.931E-04	-4.589E-05	6.089E-04
97	-9.231E-03	-6.640E-03	-1.374E-02	-5.204E-04	-6.476E-05	5.834E-04
98	-5.878E-03	-8.127E-03	-1.064E-02	-4.596E-04	-7.505E-05	4.832E-04
99	1.084E-03	-6.639E-03	-1.540E-03	-2.939E-04	-2.017E-05	8.861E-05
100	3.330E-03	-7.825E-03	2.950E-04	-1.837E-04	-6.568E-06	1.178E-05
101	2.401E-03	-6.112E-03	4.079E-04	-6.864E-05	-6.343E-05	1.769E-04
102	4.027E-03	-7.154E-03	1.826E-03	-6.023E-05	-5.970E-05	1.354E-04
103	3.077E-03	-3.657E-03	8.126E-04	-2.797E-05	-4.334E-05	-2.278E-04
104	4.175E-03	-4.438E-03	1.354E-03	3.306E-05	-4.704E-05	-2.391E-04
105	0.000E+00	0.000E+00	0.000E+00	2.901E-05	-5.911E-05	-2.325E-04
106	0.000E+00	0.000E+00	0.000E+00	1.220E-05	-8.597E-05	-2.517E-04
107	-2.145E-01	-8.777E-02	-2.118E-01	-1.797E-03	-3.140E-04	2.023E-03
108	-2.677E-01	-1.162E-01	-2.638E-01	-1.819E-03	-2.892E-04	1.983E-03
109	-1.909E-01	-6.943E-02	-1.877E-01	-1.769E-03	-2.800E-04	1.990E-03
110	-2.383E-01	-9.297E-02	-2.332E-01	-1.770E-03	-3.101E-04	1.963E-03
111	-1.981E-01	-1.230E-01	-2.022E-01	-1.802E-03	-2.952E-04	2.002E-03
112	-2.515E-01	-1.512E-01	-2.543E-01	-1.789E-03	-3.079E-04	2.002E-03
113	-1.745E-01	-1.046E-01	-1.782E-01	-1.806E-03	-3.044E-04	1.999E-03
114	-2.217E-01	-1.280E-01	-2.240E-01	-1.792E-03	-2.963E-04	2.013E-03
115	-1.435E-01	-3.865E-02	-1.394E-01	-1.655E-03	-2.233E-04	1.791E-03
116	-1.742E-01	-5.258E-02	-1.693E-01	-1.659E-03	-1.672E-04	1.734E-03
117	-1.186E-01	-2.966E-02	-1.160E-01	-1.538E-03	-1.602E-04	1.809E-03
118	-1.440E-01	-3.793E-02	-1.393E-01	-1.609E-03	-2.017E-04	1.819E-03
119	-1.340E-01	-7.326E-02	-1.343E-01	-1.644E-03	-1.790E-04	1.784E-03
120	-1.651E-01	-8.645E-02	-1.642E-01	-1.629E-03	-1.908E-04	1.783E-03
121	-1.093E-01	-6.358E-02	-1.110E-01	-1.627E-03	-1.864E-04	1.791E-03
122	-1.342E-01	-7.267E-02	-1.344E-01	-1.619E-03	-1.778E-04	1.810E-03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT	X	Y	Z	THETA(X)	THETA(Y)	THETA(Z)
123	-7.215E-02	-1.240E-02	-7.325E-02	-1.315E-03	-1.512E-04	1.411E-03
124	-7.837E-02	-1.704E-02	-7.959E-02	-1.301E-03	-1.160E-04	1.385E-03
125	-5.195E-02	-1.059E-02	-5.443E-02	-1.132E-03	-1.151E-04	1.365E-03
126	-5.299E-02	-1.232E-02	-5.563E-02	-1.194E-03	-1.507E-04	1.312E-03
127	-6.890E-02	-4.028E-02	-7.280E-02	-1.263E-03	-1.130E-04	1.377E-03
128	-7.530E-02	-4.434E-02	-7.902E-02	-1.261E-03	-1.254E-04	1.371E-03
129	-4.863E-02	-3.769E-02	-5.414E-02	-1.262E-03	-1.254E-04	1.377E-03
130	-4.967E-02	-3.986E-02	-5.527E-02	-1.242E-03	-1.129E-04	1.402E-03
131	-2.008E-02	-4.685E-03	-2.499E-02	-7.658E-04	-4.536E-05	7.013E-04
132	-1.474E-02	-9.429E-03	-2.013E-02	-6.640E-04	-1.148E-05	6.016E-04
133	-1.083E-02	-6.826E-03	-1.514E-02	-5.494E-04	-8.322E-05	6.428E-04
134	-4.171E-03	-9.198E-03	-9.039E-03	-5.813E-04	-9.923E-05	5.491E-04
135	-2.085E-02	-1.866E-02	-2.618E-02	-6.116E-04	-3.637E-05	6.339E-04
136	-1.548E-02	-2.214E-02	-2.121E-02	-6.128E-04	-4.837E-05	6.251E-04
137	-1.101E-02	-1.996E-02	-1.688E-02	-6.129E-04	-2.480E-05	6.326E-04
138	-4.368E-03	-2.247E-02	-1.074E-02	-5.883E-04	-1.434E-05	6.579E-04
139	4.701E-04	-4.570E-03	-2.727E-03	-2.752E-04	-6.123E-06	1.241E-04
140	3.294E-03	-9.565E-03	8.603E-04	-1.671E-04	1.033E-05	2.127E-05
141	1.019E-03	-6.941E-03	-4.687E-04	-8.304E-05	-7.641E-05	1.790E-04
142	5.287E-03	-7.266E-03	2.873E-03	-1.531E-04	-6.342E-05	1.643E-04
143	-2.146E-04	-8.152E-03	-3.563E-03	-1.499E-04	-1.349E-05	1.072E-04
144	3.075E-03	-1.158E-02	1.934E-04	-1.427E-04	-2.761E-05	1.037E-04
145	1.125E-03	-9.667E-03	-1.755E-03	-1.285E-04	-2.263E-05	1.194E-04
146	4.878E-03	-1.095E-02	1.737E-03	-1.132E-04	-8.836E-06	1.397E-04
147	3.941E-03	-1.695E-03	3.869E-04	-3.788E-06	-3.429E-05	-2.260E-04
148	3.062E-03	-5.901E-03	1.389E-03	3.754E-05	-1.243E-05	-2.262E-04
149	5.709E-04	1.322E-03	-3.654E-04	7.826E-06	-8.562E-05	-2.042E-04
150	-4.450E-04	-2.285E-03	8.769E-04	-5.576E-05	-9.560E-05	-2.250E-04
151	5.651E-03	6.192E-04	4.398E-04	7.305E-05	-7.192E-05	-1.905E-04
152	4.492E-03	-3.575E-03	1.699E-03	7.106E-05	-7.764E-05	-1.861E-04
153	3.049E-03	2.801E-03	-1.555E-03	5.266E-05	-8.880E-05	-1.917E-04
154	1.741E-03	-1.149E-03	-2.771E-04	7.380E-05	-7.956E-05	-1.768E-04
155	-2.114E-01	-1.269E-01	-2.147E-01	-1.796E-03	-3.004E-04	2.001E-03
156	-1.356E-01	-7.420E-02	-1.360E-01	-1.628E-03	-1.829E-04	1.789E-03
157	-6.063E-02	-4.075E-02	-6.531E-02	-1.255E-03	-1.187E-04	1.379E-03
158	-1.296E-02	-2.100E-02	-1.873E-02	-6.051E-04	-3.051E-05	6.327E-04
159	2.161E-03	-1.027E-02	-7.908E-04	-1.317E-04	-1.802E-05	1.128E-04
160	3.693E-03	-4.962E-04	1.414E-04	6.828E-05	-7.871E-05	-1.917E-04
161	2.403E-03	4.935E-04	-7.276E-04	6.761E-05	-8.041E-05	-1.902E-04
162	4.984E-03	-1.487E-03	1.011E-03	6.980E-05	-7.767E-05	-1.908E-04
163	3.068E-03	-1.065E-02	1.641E-04	-1.255E-04	-1.588E-05	1.185E-04
164	1.291E-03	-9.911E-03	-1.787E-03	-1.379E-04	-2.018E-05	1.089E-04
165	-7.615E-03	-2.171E-02	-1.368E-02	-6.018E-04	-2.376E-05	6.365E-04
166	-1.828E-02	-2.030E-02	-2.381E-02	-6.080E-04	-3.729E-05	6.307E-04
167	-4.900E-02	-3.922E-02	-5.461E-02	-1.253E-03	-1.186E-04	1.383E-03
168	-7.224E-02	-4.227E-02	-7.603E-02	-1.258E-03	-1.189E-04	1.376E-03
169	-1.216E-01	-6.837E-02	-1.227E-01	-1.625E-03	-1.822E-04	1.793E-03
170	-1.497E-01	-8.001E-02	-1.494E-01	-1.631E-03	-1.837E-04	1.786E-03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT	X	Y	Z	THETA(X)	THETA(Y)	THETA(Z)
171	-1.979E-01	-1.166E-01	-2.011E-01	-1.797E-03	-2.999E-04	2.003E-03
172	-2.249E-01	-1.373E-01	-2.284E-01	-1.795E-03	-3.012E-04	2.001E-03
173	-2.557E-01	-1.231E-01	-2.540E-01	-1.830E-03	-3.517E-04	2.118E-03
174	-3.008E-01	-1.527E-01	-2.989E-01	-1.844E-03	-3.727E-04	2.115E-03
175	-2.971E-01	-1.778E-01	-3.015E-01	-1.904E-03	-4.117E-04	2.100E-03
176	-3.430E-01	-2.082E-01	-3.475E-01	-1.944E-03	-4.259E-04	2.198E-03
177	-3.072E-01	-1.911E-01	-3.133E-01	-1.919E-03	-3.980E-04	2.140E-03
178	-3.602E-01	-2.307E-01	-3.673E-01	-1.989E-03	-4.542E-04	2.242E-03
179	-2.705E-01	-1.427E-01	-2.704E-01	-1.862E-03	-3.800E-04	2.109E-03
180	-3.141E-01	-1.702E-01	-3.139E-01	-1.875E-03	-4.111E-04	2.097E-03
181	-2.894E-01	-1.677E-01	-2.925E-01	-1.904E-03	-4.117E-04	2.100E-03
182	-3.387E-01	-2.027E-01	-3.427E-01	-1.944E-03	-4.259E-04	2.198E-03
183	-2.584E-01	-1.348E-01	-2.583E-01	-1.874E-03	-3.911E-04	2.138E-03
184	-3.256E-01	-1.787E-01	-3.261E-01	-1.915E-03	-4.239E-04	2.120E-03
185	-2.778E-01	-1.595E-01	-2.805E-01	-1.904E-03	-4.245E-04	2.131E-03
186	-3.510E-01	-2.112E-01	-3.553E-01	-1.967E-03	-4.215E-04	2.197E-03
187	-2.354E-01	-1.676E-01	-2.446E-01	-1.901E-03	-4.326E-04	2.166E-03
188	-3.026E-01	-2.119E-01	-3.122E-01	-1.897E-03	-4.284E-04	2.174E-03
189	-2.549E-01	-1.928E-01	-2.664E-01	-1.926E-03	-4.173E-04	2.164E-03
190	-3.278E-01	-2.451E-01	-3.410E-01	-1.911E-03	-4.227E-04	2.171E-03
191	-2.689E-01	-1.898E-01	-2.784E-01	-1.903E-03	-4.278E-04	2.168E-03
192	-2.914E-01	-2.190E-01	-3.039E-01	-1.912E-03	-4.223E-04	2.166E-03
193	-2.801E-01	-2.044E-01	-2.911E-01	-1.908E-03	-4.250E-04	2.167E-03
194	-3.139E-01	-2.075E-01	-3.222E-01	-1.940E-03	-3.761E-04	2.189E-03
195	-3.714E-01	-2.579E-01	-3.829E-01	-2.049E-03	-4.519E-04	2.284E-03
196	-3.413E-01	-2.742E-01	-3.586E-01	-2.017E-03	-3.865E-04	2.238E-03
197	-4.002E-01	-3.277E-01	-4.221E-01	-2.107E-03	-4.477E-04	2.328E-03
198	-3.481E-01	-2.908E-01	-3.677E-01	-2.042E-03	-3.791E-04	2.252E-03
199	-4.116E-01	-3.553E-01	-4.379E-01	-2.140E-03	-4.446E-04	2.339E-03
200	-3.235E-01	-2.310E-01	-3.348E-01	-1.973E-03	-3.821E-04	2.193E-03
201	-3.805E-01	-2.800E-01	-3.955E-01	-2.071E-03	-4.343E-04	2.301E-03
202	-3.361E-01	-2.618E-01	-3.518E-01	-2.017E-03	-3.865E-04	2.238E-03
203	-3.974E-01	-3.209E-01	-4.183E-01	-2.107E-03	-4.477E-04	2.328E-03
204	-3.078E-01	-2.174E-01	-3.184E-01	-2.015E-03	-3.898E-04	2.237E-03
205	-3.963E-01	-2.944E-01	-4.126E-01	-2.107E-03	-4.316E-04	2.302E-03
206	-3.204E-01	-2.482E-01	-3.355E-01	-2.011E-03	-4.036E-04	2.256E-03
207	-4.133E-01	-3.354E-01	-4.355E-01	-2.094E-03	-4.496E-04	2.319E-03
208	-2.806E-01	-2.469E-01	-2.992E-01	-2.044E-03	-4.501E-04	2.278E-03
209	-3.687E-01	-3.245E-01	-3.932E-01	-2.037E-03	-4.467E-04	2.285E-03
210	-2.933E-01	-2.778E-01	-3.163E-01	-2.074E-03	-4.321E-04	2.280E-03
211	-3.854E-01	-3.653E-01	-4.164E-01	-2.056E-03	-4.390E-04	2.283E-03
212	-3.246E-01	-2.858E-01	-3.462E-01	-2.045E-03	-4.445E-04	2.281E-03
213	-3.394E-01	-3.217E-01	-3.665E-01	-2.058E-03	-4.377E-04	2.281E-03
214	-3.320E-01	-3.037E-01	-3.564E-01	-2.051E-03	-4.407E-04	2.281E-03
215	-3.505E-01	-3.091E-01	-3.729E-01	-2.070E-03	-3.728E-04	2.264E-03
216	-4.156E-01	-3.853E-01	-4.473E-01	-2.180E-03	-4.463E-04	2.333E-03
217	-3.600E-01	-3.819E-01	-3.943E-01	-2.116E-03	-3.813E-04	2.261E-03
218	-4.255E-01	-4.605E-01	-4.706E-01	-2.210E-03	-4.324E-04	2.318E-03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT	X	Y	Z	THETA(X)	THETA(Y)	THETA(Z)
219	-3.624E-01	-3.998E-01	-3.996E-01	-2.116E-03	-3.813E-04	2.261E-03
220	-4.293E-01	-4.898E-01	-4.798E-01	-2.210E-03	-4.322E-04	2.318E-03
221	-3.538E-01	-3.349E-01	-3.804E-01	-2.091E-03	-3.846E-04	2.242E-03
222	-4.188E-01	-4.093E-01	-4.549E-01	-2.200E-03	-4.325E-04	2.335E-03
223	-3.582E-01	-3.684E-01	-3.904E-01	-2.116E-03	-3.813E-04	2.261E-03
224	-4.245E-01	-4.532E-01	-4.684E-01	-2.210E-03	-4.324E-04	2.318E-03
225	-3.365E-01	-3.147E-01	-3.607E-01	-2.126E-03	-3.921E-04	2.263E-03
226	-4.364E-01	-4.307E-01	-4.756E-01	-2.220E-03	-4.280E-04	2.328E-03
227	-3.407E-01	-3.483E-01	-3.707E-01	-2.122E-03	-3.894E-04	2.271E-03
228	-4.420E-01	-4.746E-01	-4.890E-01	-2.202E-03	-4.295E-04	2.313E-03
229	-3.076E-01	-3.391E-01	-3.375E-01	-2.157E-03	-4.230E-04	2.291E-03
230	-4.070E-01	-4.554E-01	-4.523E-01	-2.146E-03	-4.228E-04	2.295E-03
231	-3.119E-01	-3.727E-01	-3.475E-01	-2.178E-03	-4.172E-04	2.291E-03
232	-4.127E-01	-4.991E-01	-4.660E-01	-2.161E-03	-4.200E-04	2.293E-03
233	-3.573E-01	-3.974E-01	-3.950E-01	-2.155E-03	-4.213E-04	2.293E-03
234	-3.624E-01	-4.360E-01	-4.069E-01	-2.164E-03	-4.192E-04	2.292E-03
235	-3.598E-01	-4.167E-01	-4.010E-01	-2.159E-03	-4.201E-04	2.292E-03
236	-1.331E-01	5.249E-03	-1.218E-01	-1.576E-03	-1.820E-04	1.724E-03
237	-1.482E-01	3.825E-03	-1.364E-01	-1.586E-03	-2.555E-04	1.709E-03
238	-1.929E-01	5.369E-03	-1.767E-01	-1.712E-03	-2.678E-04	1.897E-03
239	-1.801E-01	3.863E-03	-1.654E-01	-1.661E-03	-2.920E-04	1.843E-03
240	-2.592E-01	5.534E-03	-2.360E-01	-1.705E-03	-2.642E-04	1.878E-03
241	-2.956E-01	3.999E-03	-2.687E-01	-1.726E-03	-2.871E-04	1.902E-03
242	-3.393E-01	5.531E-03	-3.080E-01	-1.691E-03	-2.732E-04	1.889E-03
243	-3.279E-01	3.996E-03	-2.979E-01	-1.721E-03	-2.852E-04	1.902E-03
244	-3.615E-01	5.531E-03	-3.279E-01	-1.691E-03	-2.732E-04	1.889E-03
245	-3.502E-01	3.996E-03	-3.182E-01	-1.721E-03	-2.852E-04	1.902E-03
246	-2.597E-01	4.686E-03	-2.367E-01	-1.715E-03	-3.442E-04	1.917E-03
247	-1.352E-01	4.180E-03	-1.255E-01	-1.553E-03	-2.575E-04	1.730E-03
248	-9.243E-02	4.521E-03	-8.741E-02	-1.429E-03	-1.603E-04	1.677E-03
249	-8.478E-02	2.912E-03	-8.063E-02	-1.332E-03	-2.046E-04	1.523E-03
250	-5.890E-02	3.890E-03	-5.887E-02	-1.200E-03	-1.164E-04	1.312E-03
251	-6.074E-02	2.492E-03	-6.003E-02	-1.147E-03	-1.815E-04	1.276E-03
252	-2.179E-02	2.403E-03	-2.406E-02	-7.502E-04	-4.907E-05	8.084E-04
253	-2.072E-02	1.247E-03	-2.280E-02	-6.973E-04	-7.086E-05	7.568E-04
254	-1.231E-02	1.810E-03	-1.546E-02	-5.808E-04	-6.140E-05	5.975E-04
255	-9.168E-03	7.238E-04	-1.239E-02	-4.936E-04	-7.282E-05	5.285E-04
256	0.000E+00	0.000E+00	0.000E+00	-1.567E-04	-1.401E-05	1.660E-04
257	0.000E+00	0.000E+00	0.000E+00	-1.680E-04	-1.812E-05	1.392E-04
258	7.001E-04	-2.258E-05	4.760E-04	-1.323E-04	-1.569E-05	1.599E-04
259	2.345E-03	-2.035E-04	2.024E-03	-6.963E-05	-1.890E-05	1.251E-04
260	0.000E+00	0.000E+00	0.000E+00	7.015E-05	-1.413E-05	-8.691E-05
261	0.000E+00	0.000E+00	0.000E+00	7.752E-05	-2.036E-05	-1.091E-04
265	-4.893E-02	2.820E-03	-4.831E-02	-1.041E-03	-7.184E-05	1.102E-03
266	-6.260E-03	8.558E-04	-7.488E-03	-3.453E-04	-2.207E-06	2.987E-04
267	2.572E-03	5.265E-07	2.261E-03	3.851E-05	1.979E-06	-3.239E-05
268	-3.281E-01	-2.197E-01	-3.370E-01	-1.957E-03	-3.987E-04	2.206E-03
269	-1.858E-01	-2.900E-02	-1.775E-01	-1.647E-03	-2.120E-04	1.709E-03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT	X	Y	Z	THETA(X)	THETA(Y)	THETA(Z)
270	-1.771E-01	-1.437E-02	-1.675E-01	-1.591E-03	-2.412E-04	1.661E-03
271	-3.061E-01	-1.770E-02	-2.816E-01	-1.709E-03	-2.839E-04	1.867E-03
272	-2.291E-01	-6.334E-02	-2.226E-01	-1.784E-03	-3.096E-04	1.950E-03
273	-2.720E-01	-8.941E-02	-2.646E-01	-1.727E-03	-3.762E-04	1.953E-03
274	-2.879E-01	-1.102E-01	-2.823E-01	-1.826E-03	-3.651E-04	2.100E-03
275	-3.161E-01	-1.322E-01	-3.104E-01	-1.830E-03	-3.631E-04	2.046E-03
276	-3.625E-01	-1.623E-01	-3.572E-01	-1.786E-03	-4.168E-04	2.034E-03
277	-3.721E-01	-1.867E-01	-3.706E-01	-1.796E-03	-4.796E-04	2.083E-03
278	-3.574E-01	-2.378E-01	-3.687E-01	-1.963E-03	-4.572E-04	2.163E-03
279	-3.931E-01	-2.510E-01	-4.044E-01	-1.984E-03	-4.363E-04	2.226E-03
280	-4.069E-01	-3.682E-01	-4.388E-01	-2.061E-03	-3.895E-04	2.203E-03
281	-3.552E-01	-3.454E-01	-3.836E-01	-2.096E-03	-4.007E-04	2.220E-03
282	-4.205E-01	-4.230E-01	-4.590E-01	-2.202E-03	-4.130E-04	2.344E-03
283	-3.274E-01	-2.406E-01	-3.402E-01	-1.985E-03	-4.017E-04	2.176E-03
284	-3.857E-01	-2.926E-01	-4.024E-01	-2.066E-03	-4.066E-04	2.327E-03
285	-2.766E-01	-1.507E-01	-2.774E-01	-1.879E-03	-4.005E-04	2.085E-03
286	-3.215E-01	-1.800E-01	-3.227E-01	-1.894E-03	-4.485E-04	2.072E-03
287	-2.068E-01	-7.919E-02	-2.034E-01	-1.768E-03	-2.893E-04	1.936E-03
288	-2.391E-01	-9.573E-02	-2.343E-01	-1.747E-03	-2.976E-04	1.914E-03
289	-6.064E-02	-1.310E-02	-6.240E-02	-1.145E-03	-1.517E-04	1.276E-03
290	-5.876E-02	-1.089E-02	-6.038E-02	-1.160E-03	-1.174E-04	1.294E-03
291	-9.054E-03	-7.890E-03	-1.342E-02	-4.932E-04	-7.384E-05	5.349E-04
292	-1.217E-02	-6.450E-03	-1.638E-02	-5.762E-04	-6.685E-05	6.085E-04
293	2.956E-03	-6.926E-03	1.510E-03	-6.396E-05	-5.191E-05	1.428E-04
294	1.399E-03	-5.917E-03	3.488E-05	-1.012E-04	-5.509E-05	1.735E-04
295	-1.492E-01	-4.090E-02	-1.442E-01	-1.585E-03	-1.827E-04	1.750E-03
296	-1.314E-01	-3.369E-02	-1.274E-01	-1.552E-03	-1.742E-04	1.773E-03

MAXIMUM DISPLACEMENTS

JOINT	228	232	228	226	277	282
VALUE	-4.420E-01	-4.991E-01	-4.890E-01	-2.220E-03	-4.796E-04	2.344E-03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

JOINT REACTIONS

JOINT	F(X)	F(Y)	F(Z)	M(X)	M(Y)	M(Z)
105	9.994E+03	1.983E+04	6.305E+01	0.000E+00	0.000E+00	0.000E+00
106	3.214E+03	1.073E+04	-2.330E+02	0.000E+00	0.000E+00	0.000E+00
256	-8.482E+03	-1.686E+04	1.144E+03	0.000E+00	0.000E+00	0.000E+00
257	-3.626E+03	-2.402E+03	1.241E+02	0.000E+00	0.000E+00	0.000E+00
260	-4.561E+02	1.278E+02	-1.685E+02	0.000E+00	0.000E+00	0.000E+00
261	-6.439E+02	1.392E+03	-1.827E+02	0.000E+00	0.000E+00	0.000E+00
TOTAL	7.192E-06	1.282E+04	7.470E+02	0.000E+00	0.000E+00	0.000E+00

FORCES AND MOMENTS IN BEAMS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
1	32	2.341E-07	1.098E-13	-1.038E-14	5.683E-14	-1.835E-07	2.078E-07
	33	1.478E+01	8.500E+00	7.507E+00	5.684E-14	3.478E+01	-3.938E+01
2	37	-4.374E-09	-1.137E-12	-1.251E-12	-1.990E-12	1.668E-09	-1.885E-09
	38	7.184E+00	4.130E+00	3.647E+00	-1.990E-12	8.210E+00	-9.297E+00
3	38	-4.153E+01	2.767E+02	-1.507E+02	2.271E+02	3.161E+03	7.004E+03
	33	-7.829E+01	3.490E+02	-1.923E+02	2.271E+02	-5.194E+03	-8.241E+03
4	38	-2.695E+02	-1.465E+02	-3.783E+01	-3.611E+03	7.723E+03	7.163E+02
	105	-2.615E+02	-1.419E+02	-3.378E+01	-3.611E+03	7.544E+03	1.437E+03
5	33	3.639E+02	2.007E+02	8.573E+01	-5.769E+03	9.650E+03	-9.979E+02
	106	3.700E+02	2.043E+02	8.887E+01	-5.769E+03	9.989E+03	-1.783E+03
6	106	-1.602E+04	-1.772E+03	-1.251E+03	1.124E+03	7.985E+03	-8.783E+03
	104	-1.600E+04	-1.761E+03	-1.241E+03	1.124E+03	-8.218E+03	1.419E+04
7	105	-2.428E+04	-2.618E+03	-2.002E+03	-1.709E+03	1.132E+04	-8.114E+02
	103	-2.427E+04	-2.610E+03	-1.995E+03	-1.709E+03	-6.672E+03	2.273E+04
8	104	-1.580E+04	-1.875E+03	-1.565E+03	-1.744E+03	-9.668E+03	1.315E+04
	36	-1.580E+04	-1.875E+03	-1.565E+03	-1.744E+03	-1.459E+04	1.904E+04
9	103	-2.424E+04	-2.691E+03	-2.254E+03	-3.025E+03	-5.645E+03	2.310E+04
	40	-2.424E+04	-2.691E+03	-2.254E+03	-3.025E+03	-1.919E+04	3.927E+04
10	106	4.347E+02	-4.170E+02	3.492E+02	-2.532E+03	-5.849E+03	-3.831E+03
	150	4.272E+02	-4.024E+02	3.408E+02	-2.532E+03	-1.838E+03	9.323E+02

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
~~11~~	150	-3.407E+02	4.026E+02	-4.271E+02	-9.319E+02	1.838E+03	2.532E+03
	154	-3.236E+02	3.728E+02	-4.120E+02	-9.319E+02	-4.325E+03	-3.162E+03
12	104	-2.972E+02	-1.920E+02	-8.361E+01	-1.038E+03	2.864E+03	-1.448E+03
	148	-3.047E+02	-1.773E+02	-9.203E+01	-1.038E+03	1.843E+03	6.987E+02
~~13~~	148	9.206E+01	1.773E+02	3.047E+02	-6.990E+02	-1.843E+03	1.038E+03
	152	1.092E+02	1.475E+02	3.198E+02	-6.990E+02	2.744E+03	-1.346E+03
14	105	-5.952E+02	1.975E+02	2.264E+02	1.057E+03	1.356E+03	2.545E+03
	149	-5.878E+02	1.829E+02	2.179E+02	1.057E+03	3.938E+03	3.341E+02
~~15~~	149	-2.179E+02	1.830E+02	-5.878E+02	-3.335E+02	3.938E+03	1.058E+03
	153	-2.008E+02	1.532E+02	-5.726E+02	-3.335E+02	-4.584E+03	-1.412E+03
16	103	2.466E+02	2.764E+01	-6.702E+01	-3.755E+02	-1.308E+03	1.028E+03
	147	2.540E+02	1.300E+01	-7.544E+01	-3.755E+02	-2.136E+03	7.919E+02
~~17~~	147	7.544E+01	1.295E+01	2.540E+02	-7.923E+02	-2.136E+03	-3.758E+02
	151	9.257E+01	-1.684E+01	2.692E+02	-7.923E+02	1.706E+03	-3.473E+02
18	40	-1.164E+02	8.855E+02	-8.965E+01	7.884E+02	3.562E+03	2.309E+04
	36	-1.531E+02	9.578E+02	-1.313E+02	7.884E+02	-1.820E+03	-2.182E+04
19	36	-1.485E+04	-1.700E+03	-1.374E+03	-4.180E+03	1.008E+03	2.949E+04
	18	-1.484E+04	-1.691E+03	-1.366E+03	-4.180E+03	-1.183E+04	4.537E+04
20	40	-2.513E+04	-2.742E+03	-2.336E+03	-6.601E+03	-7.507E+03	5.749E+04
	23	-2.513E+04	-2.738E+03	-2.332E+03	-6.601E+03	-1.824E+04	7.010E+04
21	18	-1.490E+04	1.230E+03	1.214E+03	1.419E+03	-1.155E+04	4.561E+04
	19	-1.488E+04	1.236E+03	1.219E+03	1.419E+03	-2.870E+02	3.419E+04
22	23	-2.521E+04	2.198E+03	2.028E+03	2.042E+03	-1.779E+04	7.049E+04
	24	-2.520E+04	2.201E+03	2.030E+03	2.042E+03	-8.672E+03	6.060E+04
23	24	-1.986E+02	-5.136E+02	-2.013E+02	-2.250E+02	5.269E+03	-1.165E+04
	19	-2.217E+02	-4.293E+02	-2.274E+02	-2.250E+02	-5.175E+03	1.132E+04
24	19	-1.531E+04	1.461E+03	1.439E+03	-4.444E+03	-3.593E+03	2.498E+04
	102	-1.530E+04	1.464E+03	1.441E+03	-4.444E+03	1.989E+03	1.931E+04
25	24	-2.468E+04	2.001E+03	1.832E+03	-3.829E+03	-8.346E+03	4.567E+04
	101	-2.467E+04	2.004E+03	1.835E+03	-3.829E+03	8.214E+02	3.566E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
26	293	-1.444E+04	-2.729E+03	-2.195E+03	-2.115E+02	2.100E+04	-1.710E+04
	100	-1.442E+04	-2.724E+03	-2.190E+03	-2.115E+02	-1.178E+03	1.048E+04
27	294	-2.308E+04	-3.474E+03	-2.471E+03	-6.125E+03	2.407E+04	9.045E+03
	99	-2.306E+04	-3.470E+03	-2.467E+03	-6.125E+03	6.184E+03	3.420E+04
28	100	-1.444E+04	-3.014E+03	-2.283E+03	-3.471E+03	5.380E+01	1.042E+04
	22	-1.444E+04	-3.014E+03	-2.283E+03	-3.471E+03	-7.122E+03	1.989E+04
29	99	-2.274E+04	-3.474E+03	-2.602E+03	-7.665E+03	1.057E+04	3.328E+04
	26	-2.274E+04	-3.474E+03	-2.602E+03	-7.665E+03	-5.079E+03	5.417E+04
30	102	2.115E+02	-5.985E+02	4.267E+02	-3.786E+03	-5.519E+03	-6.898E+03
	142	2.068E+02	-5.815E+02	4.214E+02	-3.786E+03	-5.902E+02	-3.954E+01
~~31~~	142	-4.213E+02	5.815E+02	-2.068E+02	3.944E+01	5.899E+02	3.786E+03
	146	-4.105E+02	5.468E+02	-1.973E+02	3.944E+01	-2.377E+03	-4.500E+03
32	100	-6.616E+01	3.307E+01	-2.598E+02	-6.054E+01	3.240E+03	1.238E+03
	140	-7.083E+01	5.012E+01	-2.651E+02	-6.054E+01	1.888E+02	7.546E+02
~~33~~	140	2.651E+02	-5.015E+01	7.084E+01	-7.546E+02	-1.887E+02	6.050E+01
	144	2.759E+02	-8.483E+01	8.035E+01	-7.546E+02	9.216E+02	1.052E+03
34	101	-3.184E+02	8.166E+01	8.380E+01	3.449E+02	8.925E+02	5.828E+01
	141	-3.138E+02	6.461E+01	7.851E+01	3.449E+02	1.836E+03	-7.919E+02
~~35~~	141	-7.849E+01	6.463E+01	-3.138E+02	7.920E+02	1.836E+03	3.450E+02
	145	-6.772E+01	2.995E+01	-3.042E+02	7.920E+02	-2.703E+03	-3.496E+02
36	99	1.351E+02	3.244E+02	-3.945E+00	9.152E+02	-1.541E+03	4.385E+03
	139	1.398E+02	3.074E+02	-9.239E+00	9.152E+02	-1.617E+03	7.126E+02
~~37~~	139	9.258E+00	3.073E+02	1.398E+02	-7.128E+02	-1.617E+03	9.151E+02
	143	2.002E+01	2.727E+02	1.493E+02	-7.128E+02	5.061E+02	-3.344E+03
38	26	-6.688E+02	8.150E+02	-1.754E+02	2.284E+03	6.150E+03	2.120E+04
	22	-6.919E+02	8.992E+02	-2.015E+02	2.284E+03	-3.034E+03	-2.057E+04
39	22	-1.356E+04	-2.774E+03	-1.557E+03	-7.842E+03	4.243E+03	3.549E+04
	1	-1.354E+04	-2.768E+03	-1.552E+03	-7.842E+03	-1.032E+04	6.145E+04
40	26	-2.356E+04	-3.629E+03	-3.252E+03	-1.427E+04	7.662E+02	7.958E+04
	7	-2.355E+04	-3.626E+03	-3.250E+03	-1.427E+04	-1.419E+04	9.626E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
41	1	-1.388E+04	-7.793E+01	8.239E+02	9.013E+02	-9.637E+03	6.205E+04
	2	-1.386E+04	-7.610E+01	8.256E+02	9.013E+02	-1.994E+03	6.276E+04
42	7	-2.401E+04	1.030E+03	8.624E+02	-1.521E+02	-1.278E+04	9.751E+04
	8	-2.400E+04	1.031E+03	8.632E+02	-1.521E+02	-8.896E+03	9.287E+04
43	8	2.197E+01	-1.468E+02	-3.167E+02	7.256E+02	7.448E+03	-2.115E+03
	2	1.409E+01	-5.634E+01	-3.256E+02	7.256E+02	-8.202E+03	2.833E+03
44	2	-1.392E+04	2.539E+02	8.153E+02	-8.260E+03	7.466E+02	6.142E+04
	98	-1.391E+04	2.546E+02	8.159E+02	-8.260E+03	3.908E+03	6.043E+04
45	8	-2.386E+04	7.300E+02	8.990E+02	-8.503E+03	-5.283E+03	8.744E+04
	97	-2.385E+04	7.310E+02	8.998E+02	-8.503E+03	-7.862E+02	8.378E+04
46	291	-1.722E+04	-1.748E+03	-1.587E+03	9.036E+01	1.357E+04	3.757E+04
	96	-1.720E+04	-1.746E+03	-1.585E+03	9.036E+01	-2.475E+03	5.525E+04
47	292	-2.424E+04	-1.900E+03	-1.694E+03	-4.791E+03	1.313E+04	7.393E+04
	95	-2.422E+04	-1.899E+03	-1.693E+03	-4.791E+03	8.654E+02	8.769E+04
48	96	-1.727E+04	-2.128E+03	-1.743E+03	-5.088E+03	-9.450E+02	5.630E+04
	5	-1.727E+04	-2.128E+03	-1.743E+03	-5.088E+03	-6.420E+03	6.299E+04
49	95	-2.418E+04	-1.829E+03	-1.887E+03	-7.266E+03	1.966E+03	8.965E+04
	10	-2.418E+04	-1.829E+03	-1.887E+03	-7.266E+03	-9.387E+03	1.006E+05
50	98	2.388E+02	-7.013E+02	4.367E+02	-6.213E+03	-5.653E+03	-7.510E+03
	134	2.372E+02	-6.830E+02	4.349E+02	-6.213E+03	-5.867E+02	5.358E+02
~~51~~	134	-4.349E+02	6.830E+02	-2.371E+02	-5.356E+02	5.862E+02	6.213E+03
	138	-4.312E+02	6.458E+02	-2.339E+02	-5.356E+02	-2.873E+03	-3.546E+03
52	96	-1.564E+02	7.734E+01	-3.790E+02	1.057E+03	5.173E+03	1.530E+03
	132	-1.580E+02	9.564E+01	-3.808E+02	1.057E+03	7.565E+02	5.248E+02
~~53~~	132	3.808E+02	-9.568E+01	1.580E+02	-5.249E+02	-7.563E+02	-1.057E+03
	136	3.845E+02	-1.329E+02	1.613E+02	-5.249E+02	1.588E+03	6.215E+02
54	97	-2.835E+02	3.698E+02	-5.897E+01	3.028E+03	2.074E+03	3.646E+03
	133	-2.820E+02	3.515E+02	-6.077E+01	3.028E+03	1.378E+03	-5.467E+02
~~55~~	133	6.083E+01	3.515E+02	-2.819E+02	5.468E+02	1.378E+03	3.028E+03
	137	6.450E+01	3.143E+02	-2.787E+02	5.468E+02	-2.739E+03	-1.861E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
56	95	2.128E+02	4.885E+01	4.921E+01	-1.948E+03	-2.544E+03	1.095E+03
	131	2.144E+02	3.055E+01	4.741E+01	-1.948E+03	-1.983E+03	6.336E+02
~~57~~	131	-4.741E+01	3.053E+01	2.144E+02	-6.338E+02	-1.982E+03	-1.948E+03
	135	-4.374E+01	-6.692E+00	2.176E+02	-6.338E+02	1.190E+03	-2.123E+03
58	10	-2.737E+02	5.826E+02	-1.467E+02	2.948E+03	4.798E+03	1.505E+04
	5	-2.816E+02	6.731E+02	-1.556E+02	2.948E+03	-2.568E+03	-1.555E+04
59	5	-1.660E+04	-1.975E+03	-1.465E+03	-9.273E+03	1.498E+03	7.219E+04
	6	-1.658E+04	-1.974E+03	-1.463E+03	-9.273E+03	-1.207E+04	9.049E+04
60	10	-2.476E+04	-1.982E+03	-2.167E+03	-1.267E+04	-5.112E+03	1.162E+05
	11	-2.475E+04	-1.981E+03	-2.166E+03	-1.267E+04	-1.486E+04	1.251E+05
61	6	-1.665E+04	1.300E+03	1.428E+03	4.180E+03	-1.156E+04	9.093E+04
	46	-1.663E+04	1.298E+03	1.426E+03	4.180E+03	1.804E+03	7.876E+04
62	11	-2.467E+04	2.846E+03	2.097E+03	6.134E+03	-1.422E+04	1.257E+05
	51	-2.466E+04	2.846E+03	2.096E+03	6.134E+03	-4.575E+03	1.126E+05
63	51	-3.784E+02	-5.368E+02	-2.478E+02	-6.880E+02	5.338E+03	-1.217E+04
	46	-3.705E+02	-4.463E+02	-2.389E+02	-6.880E+02	-6.520E+03	1.178E+04
64	46	-1.708E+04	1.545E+03	1.804E+03	-3.020E+03	-1.503E+01	6.950E+04
	94	-1.707E+04	1.544E+03	1.803E+03	-3.020E+03	6.973E+03	6.352E+04
65	51	-2.412E+04	2.635E+03	1.751E+03	1.952E+02	-4.900E+03	9.274E+04
	93	-2.411E+04	2.634E+03	1.750E+03	1.952E+02	3.855E+03	7.956E+04
66	289	-1.408E+04	-2.101E+02	-6.526E+02	2.143E+03	6.033E+03	5.090E+04
	92	-1.406E+04	-2.121E+02	-6.544E+02	2.143E+03	-5.783E+02	5.304E+04
67	290	-1.859E+04	-7.323E+02	-1.151E+03	-1.316E+03	8.107E+03	6.459E+04
	91	-1.858E+04	-7.337E+02	-1.153E+03	-1.316E+03	-2.354E+02	6.990E+04
68	92	-1.417E+04	-4.016E+02	-7.051E+02	-2.285E+02	9.153E+02	5.453E+04
	49	-1.417E+04	-4.016E+02	-7.051E+02	-2.285E+02	-1.299E+03	5.579E+04
69	91	-1.845E+04	-9.231E+02	-1.200E+03	1.021E+02	1.243E+03	7.010E+04
	53	-1.845E+04	-9.231E+02	-1.200E+03	1.021E+02	-5.976E+03	7.566E+04
70	94	-4.114E+01	-6.389E+02	1.221E+02	-5.782E+03	-5.449E+02	-7.066E+03
	126	-3.955E+01	-6.206E+02	1.240E+02	-5.782E+03	8.857E+02	2.550E+02

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
~~71~~	126	-1.240E+02	6.206E+02	3.950E+01	-2.548E+02	-8.852E+02	5.782E+03
	130	-1.277E+02	5.834E+02	3.626E+01	-2.548E+02	-3.288E+02	-3.060E+03
72	92	-5.230E+01	1.039E+02	-1.913E+02	1.490E+03	2.378E+03	1.494E+03
	124	-5.070E+01	1.222E+02	-1.894E+02	1.490E+03	1.647E+02	1.792E+02
~~73~~	124	1.895E+02	-1.222E+02	5.071E+01	-1.792E+02	-1.648E+02	-1.490E+03
	128	1.858E+02	-1.594E+02	4.747E+01	-1.792E+02	5.562E+02	5.781E+02
74	93	-1.104E+02	3.871E+02	9.873E+01	3.939E+03	-4.203E+02	3.578E+03
	125	-1.120E+02	3.688E+02	1.005E+02	3.939E+03	7.380E+02	-8.165E+02
~~75~~	125	-1.006E+02	3.688E+02	-1.120E+02	8.162E+02	7.386E+02	3.939E+03
	129	-1.043E+02	3.316E+02	-1.152E+02	8.162E+02	-9.302E+02	-1.205E+03
76	91	4.559E+01	1.205E+02	-1.875E+02	-2.017E+02	1.425E+03	1.479E+03
	123	4.400E+01	1.022E+02	-1.857E+02	-2.017E+02	-7.439E+02	1.845E+02
~~77~~	123	1.856E+02	1.022E+02	4.399E+01	-1.844E+02	-7.440E+02	-2.016E+02
	127	1.820E+02	6.498E+01	4.075E+01	-1.844E+02	-1.217E+02	-1.429E+03
78	53	3.393E+02	1.887E+02	-1.177E+02	9.083E+01	3.175E+03	5.223E+03
	49	3.472E+02	2.792E+02	-1.088E+02	9.083E+01	-2.345E+03	-6.177E+03
79	49	-1.389E+04	-2.899E+02	-1.050E+03	-3.462E+03	3.907E+02	5.735E+04
	50	-1.387E+04	-2.917E+02	-1.051E+03	-3.462E+03	-9.344E+03	6.005E+04
80	53	-1.864E+04	-1.027E+03	-8.485E+02	-2.815E+03	-6.251E+03	8.154E+04
	54	-1.864E+04	-1.028E+03	-8.493E+02	-2.815E+03	-1.007E+04	8.616E+04
81	50	-1.364E+04	2.407E+03	1.332E+03	5.082E+03	-9.503E+03	5.991E+04
	60	-1.362E+04	2.402E+03	1.327E+03	5.082E+03	2.954E+03	3.738E+04
82	54	-1.835E+04	2.593E+03	2.349E+03	9.990E+03	-1.077E+04	8.554E+04
	65	-1.834E+04	2.590E+03	2.346E+03	9.990E+03	2.670E+01	7.362E+04
83	65	-9.798E+02	-6.451E+02	-2.060E+02	-1.916E+03	5.414E+03	-1.467E+04
	60	-9.567E+02	-5.609E+02	-1.798E+02	-1.916E+03	-3.987E+03	1.471E+04
84	60	-1.418E+04	2.593E+03	2.294E+03	5.837E+02	-7.711E+02	2.182E+04
	90	-1.417E+04	2.591E+03	2.292E+03	5.837E+02	8.117E+03	1.177E+04
85	65	-1.769E+04	2.401E+03	1.381E+03	4.016E+03	-3.545E+03	5.423E+04
	89	-1.769E+04	2.398E+03	1.379E+03	4.016E+03	3.355E+03	4.224E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
86	295	-1.053E+04	-9.414E+02	-7.221E+02	1.399E+03	7.071E+03	1.176E+03
	88	-1.051E+04	-9.473E+02	-7.272E+02	1.399E+03	-2.596E+02	1.073E+04
87	296	-1.062E+04	-9.261E+02	-1.179E+03	-9.397E+02	1.152E+04	1.647E+04
	87	-1.061E+04	-9.303E+02	-1.183E+03	-9.397E+02	2.961E+03	2.319E+04
88	88	-1.050E+04	-1.175E+03	-7.639E+02	-1.348E+03	1.037E+02	1.049E+04
	63	-1.050E+04	-1.175E+03	-7.639E+02	-1.348E+03	-2.297E+03	1.419E+04
89	87	-1.033E+04	-1.177E+03	-1.321E+03	4.154E+02	6.300E+03	2.164E+04
	67	-1.033E+04	-1.177E+03	-1.321E+03	4.154E+02	-1.644E+03	2.872E+04
90	90	3.789E+01	-4.861E+02	6.372E+01	-3.275E+03	-7.485E+02	-5.610E+03
	118	4.256E+01	-4.691E+02	6.901E+01	-3.275E+03	2.300E+01	-5.765E+01
~~91~~	118	-6.900E+01	4.691E+02	-4.256E+01	5.756E+01	-2.303E+01	3.275E+03
	122	-7.976E+01	4.344E+02	-5.207E+01	5.756E+01	-7.179E+02	-3.360E+03
92	88	-5.622E+01	-1.430E+01	-2.495E+02	-2.375E+02	2.767E+03	3.610E+02
	116	-5.154E+01	2.748E+00	-2.442E+02	-2.375E+02	-1.027E+02	4.282E+02
~~93~~	116	2.442E+02	-2.750E+00	5.154E+01	-4.282E+02	1.027E+02	2.375E+02
	120	2.334E+02	-3.743E+01	4.203E+01	-4.282E+02	7.898E+02	5.327E+02
94	89	5.015E+01	1.876E+02	7.318E+01	1.827E+03	-1.329E+03	1.340E+03
	117	4.547E+01	1.706E+02	7.848E+01	1.827E+03	-4.473E+02	-7.426E+02
~~95~~	117	-7.849E+01	1.706E+02	4.547E+01	7.426E+02	-4.471E+02	1.827E+03
	121	-8.925E+01	1.359E+02	3.596E+01	7.426E+02	1.508E+02	-4.238E+02
96	87	1.357E+02	2.834E+02	-2.439E+02	1.549E+03	1.361E+03	3.339E+03
	115	1.310E+02	2.664E+02	-2.386E+02	1.549E+03	-1.444E+03	1.432E+02
~~97~~	115	2.386E+02	2.664E+02	1.310E+02	-1.433E+02	-1.444E+03	1.549E+03
	119	2.278E+02	2.317E+02	1.215E+02	-1.433E+02	4.102E+02	-2.109E+03
98	67	1.823E+02	3.084E+02	-9.618E+01	5.292E+02	3.252E+03	7.965E+03
	63	2.055E+02	3.927E+02	-7.002E+01	5.292E+02	-7.967E+02	-9.117E+03
99	63	-1.011E+04	-1.126E+03	-9.884E+02	-3.127E+03	2.310E+03	2.044E+04
	64	-1.009E+04	-1.132E+03	-9.931E+02	-3.127E+03	-6.866E+03	3.089E+04
100	67	-1.064E+04	-1.271E+03	-1.137E+03	-2.390E+03	5.685E+02	3.649E+04
	68	-1.063E+04	-1.273E+03	-1.139E+03	-2.390E+03	-4.549E+03	4.221E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
101	64	-1.014E+04	8.563E+02	7.625E+02	9.237E+02	-6.649E+03	3.108E+04
	74	-1.012E+04	8.477E+02	7.549E+02	9.237E+02	4.587E+02	2.310E+04
102	68	-1.071E+04	8.194E+02	7.092E+02	4.002E+03	-4.707E+03	4.207E+04
	79	-1.070E+04	8.152E+02	7.055E+02	4.002E+03	-1.454E+03	3.831E+04
103	79	-3.886E+02	-1.757E+02	-1.491E+02	-4.516E+02	3.182E+03	-2.436E+03
	74	-3.518E+02	-1.033E+02	-1.075E+02	-4.516E+02	-3.071E+03	4.363E+03
104	74	-1.022E+04	9.655E+02	1.116E+03	-2.449E+03	2.332E+03	1.721E+04
	86	-1.022E+04	9.620E+02	1.113E+03	-2.449E+03	6.648E+03	1.347E+04
105	79	-1.053E+04	6.788E+02	3.282E+02	4.108E+02	-8.034E+02	3.262E+04
	85	-1.052E+04	6.742E+02	3.241E+02	4.108E+02	8.275E+02	2.924E+04
106	288	-4.904E+03	-7.980E+00	-2.140E+02	1.630E+03	5.568E+02	1.853E+04
	84	-4.888E+03	-1.726E+01	-2.222E+02	1.630E+03	-1.649E+03	1.866E+04
107	287	-7.914E+03	1.680E+02	1.085E+02	-1.468E+03	-2.279E+03	3.073E+04
	83	-7.902E+03	1.614E+02	1.026E+02	-1.468E+03	-1.515E+03	2.954E+04
108	84	-4.802E+03	-3.143E+02	-2.781E+02	-1.719E+03	-2.366E+03	1.813E+04
	77	-4.802E+03	-3.143E+02	-2.781E+02	-1.719E+03	-3.241E+03	1.912E+04
109	83	-7.822E+03	-4.317E+01	-1.173E+02	-9.194E+02	-7.534E+02	2.942E+04
	81	-7.822E+03	-4.317E+01	-1.173E+02	-9.194E+02	-1.459E+03	2.968E+04
110	86	3.668E+01	-3.504E+02	1.195E+01	-2.990E+03	-2.105E+02	-3.753E+03
	110	4.411E+01	-3.358E+02	2.037E+01	-2.990E+03	-2.262E+01	2.355E+02
~~111~~	110	-2.042E+01	3.358E+02	-4.415E+01	-2.353E+02	2.292E+01	2.990E+03
	114	-3.754E+01	3.060E+02	-5.927E+01	-2.353E+02	-7.367E+02	-1.723E+03
112	84	-6.087E+01	-8.642E+01	-3.027E+02	-5.307E+02	3.365E+03	-7.186E+02
	108	-5.343E+01	-7.178E+01	-2.943E+02	-5.307E+02	-1.048E+02	2.009E+02
~~113~~	108	2.943E+02	7.176E+01	5.348E+01	-2.010E+02	1.048E+02	5.306E+02
	112	2.772E+02	4.198E+01	3.835E+01	-2.010E+02	7.791E+02	-3.046E+02
114	85	1.181E+02	3.179E+02	-4.022E+01	2.646E+03	-4.013E+02	3.358E+03
	109	1.107E+02	3.032E+02	-3.180E+01	2.646E+03	-8.199E+02	-2.515E+02
~~115~~	109	3.183E+01	3.032E+02	1.107E+02	2.517E+02	-8.201E+02	2.646E+03
	113	1.470E+01	2.734E+02	9.556E+01	2.517E+02	6.946E+02	-1.588E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
116	83	2.192E+02	7.963E+01	-2.037E+02	1.157E+02	5.515E+02	7.614E+02
	107	2.117E+02	6.498E+01	-1.953E+02	1.157E+02	-1.768E+03	-7.927E+01
~~117~~	107	1.952E+02	6.496E+01	2.118E+02	7.915E+01	-1.768E+03	1.156E+02
	111	1.781E+02	3.517E+01	1.967E+02	7.915E+01	1.232E+03	-6.199E+02
118	81	-2.316E+02	1.359E+01	-3.828E+01	6.822E+02	1.224E+03	2.760E+02
	77	-1.949E+02	8.593E+01	3.335E+00	6.822E+02	3.720E+02	-2.149E+03
119	77	-4.716E+03	-3.231E+02	-8.804E+01	-2.262E+03	-2.071E+03	1.962E+04
	78	-4.701E+03	-3.316E+02	-9.554E+01	-2.262E+03	-2.921E+03	2.265E+04
120	81	-7.836E+03	-8.205E+01	-3.495E+02	-1.649E+03	-1.819E+03	3.016E+04
	82	-7.829E+03	-8.618E+01	-3.531E+02	-1.649E+03	-3.401E+03	3.054E+04
~~121~~	111	-1.977E+02	-2.153E+01	-1.791E+02	5.774E+02	-1.249E+03	-1.275E+02
	172	-1.977E+02	-2.143E+01	-1.790E+02	5.774E+02	-8.771E+03	7.749E+02
~~122~~	112	3.973E+01	2.991E+01	-2.785E+02	-2.778E+02	7.963E+02	1.704E+02
	172	3.968E+01	2.981E+01	-2.785E+02	-2.778E+02	-1.091E+04	-1.084E+03
~~123~~	113	-9.188E+01	-2.749E+02	-1.052E+01	1.598E+03	-6.770E+02	-2.416E+02
	171	-9.183E+01	-2.748E+02	-1.046E+01	1.598E+03	-1.117E+03	1.130E+04
~~124~~	114	-6.333E+01	3.046E+02	4.212E+01	-1.713E+03	-7.629E+02	2.238E+02
	171	-6.338E+01	3.045E+02	4.218E+01	-1.713E+03	1.007E+03	-1.256E+04
~~125~~	119	-1.293E+02	-2.184E+02	-2.365E+02	2.094E+03	-4.874E+02	1.246E+02
	170	-1.293E+02	-2.183E+02	-2.364E+02	2.094E+03	-1.042E+04	9.300E+03
~~126~~	120	4.072E+01	-4.785E+01	-2.317E+02	5.593E+02	7.871E+02	3.980E+02
	170	4.069E+01	-4.797E+01	-2.317E+02	5.593E+02	-8.949E+03	2.411E+03
~~127~~	121	-3.414E+01	-1.350E+02	9.130E+01	4.257E+02	-1.563E+02	-7.403E+02
	169	-3.411E+01	-1.349E+02	9.134E+01	4.257E+02	3.679E+03	4.927E+03
~~128~~	122	-5.787E+01	4.324E+02	8.632E+01	-3.350E+03	-7.618E+02	-6.900E+01
	169	-5.790E+01	4.323E+02	8.635E+01	-3.350E+03	2.864E+03	-1.823E+04
~~129~~	127	-4.295E+01	-2.690E+01	-1.909E+02	1.433E+03	3.529E+01	1.950E+02
	168	-4.294E+01	-2.678E+01	-1.908E+02	1.433E+03	-7.983E+03	1.323E+03
~~130~~	128	4.198E+01	-1.681E+02	-1.794E+02	5.968E+02	5.426E+02	1.583E+02
	168	4.196E+01	-1.682E+02	-1.794E+02	5.968E+02	-6.995E+03	7.222E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
131	129	1.196E+02	-3.284E+02	1.092E+02	1.192E+03	9.338E+02	-8.304E+02
	167	1.196E+02	-3.283E+02	1.092E+02	1.192E+03	5.520E+03	1.296E+04
132	130	2.847E+01	5.818E+02	1.365E+02	-3.056E+03	-3.734E+02	2.491E+02
	167	2.846E+01	5.817E+02	1.365E+02	-3.056E+03	5.358E+03	-2.418E+04
133	135	-2.173E+02	1.241E+01	4.424E+01	2.081E+03	-1.285E+03	5.848E+02
	166	-2.173E+02	1.254E+01	4.423E+01	2.081E+03	5.730E+02	6.067E+01
134	136	1.566E+02	-1.531E+02	-3.789E+02	6.754E+02	1.585E+03	4.639E+02
	166	1.566E+02	-1.532E+02	-3.789E+02	6.754E+02	-1.433E+04	6.898E+03
135	137	2.829E+02	-3.115E+02	-5.973E+01	1.824E+03	2.755E+03	-5.889E+02
	165	2.829E+02	-3.113E+02	-5.975E+01	1.824E+03	2.461E+02	1.249E+04
136	138	-2.425E+02	6.360E+02	4.409E+02	-3.507E+03	-2.928E+03	4.911E+02
	165	-2.425E+02	6.358E+02	4.409E+02	-3.507E+03	1.559E+04	-2.621E+04
137	143	-1.586E+02	-2.664E+02	-3.034E+01	3.325E+03	-6.471E+02	6.883E+02
	164	-1.586E+02	-2.663E+02	-3.037E+01	3.325E+03	-1.922E+03	1.188E+04
138	144	7.740E+01	-9.812E+01	-2.723E+02	1.083E+03	9.136E+02	7.198E+02
	164	7.743E+01	-9.824E+01	-2.723E+02	1.083E+03	-1.053E+04	4.845E+03
139	145	3.046E+02	-2.482E+01	6.812E+01	3.132E+02	2.695E+03	-8.332E+02
	163	3.046E+02	-2.469E+01	6.808E+01	3.132E+02	5.554E+03	2.064E+02
140	146	-2.046E+02	5.378E+02	4.188E+02	-4.468E+03	-2.437E+03	-7.644E+01
	163	-2.046E+02	5.377E+02	4.188E+02	-4.468E+03	1.515E+04	-2.266E+04
141	151	-2.684E+02	2.954E+01	-9.150E+01	2.890E+02	-1.747E+03	7.255E+02
	162	-2.685E+02	2.965E+01	-9.155E+01	2.890E+02	-5.592E+03	-5.180E+02
142	152	3.247E+02	1.322E+02	-1.144E+02	-1.252E+03	2.813E+03	5.910E+02
	162	3.247E+02	1.321E+02	-1.144E+02	-1.252E+03	-1.993E+03	-4.960E+03
143	153	5.747E+02	-1.424E+02	2.030E+02	1.349E+03	4.607E+03	2.629E+02
	161	5.746E+02	-1.423E+02	2.029E+02	1.349E+03	1.313E+04	6.239E+03
144	154	-4.170E+02	3.621E+02	3.292E+02	-3.103E+03	-4.381E+03	8.646E+02
	161	-4.170E+02	3.620E+02	3.291E+02	-3.103E+03	9.442E+03	-1.434E+04
145	160	-5.259E+02	-1.045E+03	3.909E+02	3.752E+03	-2.763E+02	-1.815E+02
	161	-5.259E+02	-1.045E+03	3.909E+02	3.752E+03	3.047E+03	8.700E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
146	160	1.303E+02	-5.413E+02	-3.079E+02	3.752E+03	-2.763E+02	1.815E+02
	162	1.303E+02	-5.413E+02	-3.079E+02	3.752E+03	-2.894E+03	4.784E+03
147	159	-5.764E+02	-6.904E+02	5.929E+01	-9.316E+03	1.335E+04	1.258E+04
	163	-5.765E+02	-6.904E+02	5.929E+01	-9.316E+03	1.385E+04	1.845E+04
148	159	1.876E+02	-3.739E+02	2.371E+01	-9.314E+03	1.335E+04	-1.258E+04
	164	1.876E+02	-3.739E+02	2.371E+01	-9.314E+03	1.355E+04	-9.399E+03
149	158	-9.597E+02	-6.143E+02	1.414E+02	-1.520E+04	5.862E+03	7.860E+03
	165	-9.597E+02	-6.143E+02	1.414E+02	-1.520E+04	7.064E+03	1.308E+04
150	158	-1.399E+02	-5.062E+02	-5.842E+01	-1.520E+04	5.864E+03	-7.860E+03
	166	-1.398E+02	-5.062E+02	-5.842E+01	-1.520E+04	5.367E+03	-3.557E+03
151	157	-9.147E+02	-2.262E+02	-9.434E+01	2.743E+02	6.395E+03	8.690E+03
	167	-9.147E+02	-2.262E+02	-9.434E+01	2.743E+02	5.593E+03	1.061E+04
152	157	-9.473E+01	-3.340E+02	1.773E+02	2.744E+02	6.395E+03	-8.690E+03
	168	-9.470E+01	-3.340E+02	1.773E+02	2.744E+02	7.902E+03	-5.851E+03
153	156	-5.701E+02	-1.374E+02	-9.983E+01	9.656E+02	8.297E+03	1.047E+04
	169	-5.701E+02	-1.374E+02	-9.983E+01	9.656E+02	7.449E+03	1.164E+04
154	156	1.940E+02	-4.539E+02	1.828E+02	9.665E+02	8.297E+03	-1.047E+04
	170	1.940E+02	-4.539E+02	1.828E+02	9.665E+02	9.851E+03	-6.610E+03
155	155	-5.792E+02	6.694E+00	-4.232E+01	-2.149E+03	-8.412E+02	3.375E+03
	171	-5.792E+02	6.710E+00	-4.232E+01	-2.149E+03	-1.201E+03	3.318E+03
156	155	7.699E+01	-4.966E+02	1.253E+02	-2.149E+03	-8.410E+02	-3.375E+03
	172	7.701E+01	-4.966E+02	1.253E+02	-2.149E+03	2.241E+02	8.456E+02
157	82	-7.640E+03	1.436E+03	9.913E+02	2.968E+03	-3.530E+03	3.043E+04
	173	-7.635E+03	1.431E+03	9.865E+02	2.968E+03	1.017E+03	2.384E+04
158	78	-4.622E+03	5.861E+02	7.150E+02	1.121E+03	-2.809E+03	2.275E+04
	174	-4.611E+03	5.749E+02	7.051E+02	1.121E+03	3.840E+03	1.731E+04
159	173	-1.271E+02	-1.956E+02	-5.983E+01	-2.594E+02	9.543E+02	-4.957E+03
	174	-7.916E+01	-1.401E+02	-5.607E+00	-2.594E+02	-6.402E+02	3.223E+03
160	285	-5.537E+03	-2.882E+02	-6.965E+02	1.911E+03	3.166E+03	8.147E+03
	181	-5.529E+03	-2.968E+02	-7.041E+02	1.911E+03	-1.907E+03	1.027E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
161	286	-2.311E+03	6.068E+02	3.580E+02	2.932E+03	-5.827E+03	2.845E+04
	182	-2.299E+03	5.947E+02	3.473E+02	2.932E+03	-2.262E+03	2.238E+04
162	181	-5.371E+03	-6.691E+02	-8.783E+02	4.712E+03	1.050E+01	8.822E+03
	175	-5.371E+03	-6.691E+02	-8.783E+02	4.712E+03	-5.270E+03	1.285E+04
163	182	-2.165E+03	4.325E+02	1.489E+02	3.925E+02	-3.693E+03	2.210E+04
	176	-2.165E+03	4.325E+02	1.489E+02	3.925E+02	-3.224E+03	2.074E+04
164	175	-5.555E+03	-6.808E+02	-5.496E+02	5.230E+03	-2.171E+03	1.429E+04
	177	-5.550E+03	-6.862E+02	-5.543E+02	5.230E+03	-4.656E+03	1.737E+04
165	176	-1.925E+03	3.919E+02	-2.260E+02	1.308E+03	1.559E+03	1.941E+04
	178	-1.913E+03	3.808E+02	-2.358E+02	1.308E+03	-5.805E+02	1.583E+04
166	175	3.279E+02	1.842E+02	-1.265E+01	-1.827E+03	5.636E+02	6.111E+03
	176	3.758E+02	2.397E+02	4.159E+01	-1.827E+03	1.269E+03	-4.216E+03
167	179	-1.433E+01	1.320E+02	7.494E+01	1.571E+03	-6.603E+02	1.300E+03
	183	-2.402E+01	1.208E+02	8.591E+01	1.571E+03	2.749E+02	-1.706E+02
168	180	-1.317E+02	-2.161E+02	-2.204E+02	-1.942E+03	3.111E+03	-2.067E+03
	184	-1.220E+02	-2.049E+02	-2.094E+02	-1.942E+03	6.121E+02	3.806E+02
169	181	1.749E+02	1.580E+02	-3.731E+02	1.442E+03	2.799E+03	1.919E+03
	185	1.653E+02	1.467E+02	-3.621E+02	1.442E+03	-1.475E+03	1.474E+02
170	182	-1.978E+02	-1.344E+02	-1.616E+02	-2.800E+02	2.535E+03	-1.431E+03
	186	-1.881E+02	-1.232E+02	-1.506E+02	-2.800E+02	7.201E+02	6.596E+01
171	183	-8.585E+01	1.208E+02	-2.396E+01	1.710E+02	2.742E+02	1.572E+03
	187	-1.082E+02	9.800E+01	-4.368E+01	1.710E+02	-2.227E+02	-3.594E+01
172	185	3.622E+02	1.464E+02	1.654E+02	-1.483E+02	-1.476E+03	1.442E+03
	189	3.398E+02	1.236E+02	1.456E+02	-1.483E+02	8.081E+02	-5.417E+02
173	186	1.500E+02	1.232E+02	1.885E+02	-6.670E+01	-7.200E+02	2.799E+02
	190	1.277E+02	1.003E+02	1.687E+02	-6.670E+01	1.910E+03	-1.366E+03
174	184	2.095E+02	2.048E+02	1.219E+02	-3.796E+02	-6.124E+02	1.942E+03
	188	1.872E+02	1.819E+02	1.022E+02	-3.796E+02	1.034E+03	-8.996E+02
175	187	4.501E+01	-9.571E+01	1.097E+02	3.291E+01	2.205E+02	-1.744E+02
	191	4.508E+01	-9.563E+01	1.098E+02	3.291E+01	4.828E+03	3.843E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
176	188	9.982E+01	1.861E+02	-1.844E+02	-9.134E+02	1.016E+03	3.945E+02
	191	9.975E+01	1.860E+02	-1.843E+02	-9.134E+02	-6.726E+03	-7.418E+03
177	189	-1.498E+02	-1.054E+02	-3.441E+02	5.139E+02	-8.312E+02	1.164E+02
	192	-1.497E+02	-1.053E+02	-3.441E+02	5.139E+02	-1.529E+04	4.543E+03
178	190	1.715E+02	8.948E+01	-1.319E+02	-1.300E+03	1.957E+03	-3.305E+00
	192	1.714E+02	8.940E+01	-1.319E+02	-1.300E+03	-3.590E+03	-3.765E+03
179	192	2.242E+02	-5.582E+02	-7.461E+01	1.159E+04	2.390E+03	-8.398E+02
	193	2.242E+02	-5.582E+02	-7.461E+01	1.159E+04	1.755E+03	3.905E+03
180	191	-2.798E+02	9.756E+01	-8.389E+00	1.159E+04	1.827E+03	-3.076E+03
	193	-2.798E+02	9.754E+01	-8.389E+00	1.159E+04	1.755E+03	-3.905E+03
181	177	-5.590E+03	4.063E+02	4.106E+02	7.114E+03	-5.867E+03	1.630E+04
	194	-5.586E+03	3.999E+02	4.049E+02	7.114E+03	-3.991E+03	1.444E+04
182	178	-1.815E+03	7.475E+02	8.809E+01	3.854E+03	-1.088E+03	1.538E+04
	195	-1.808E+03	7.345E+02	7.658E+01	3.854E+03	-3.173E+02	8.442E+03
183	268	4.884E+02	-3.767E+01	5.294E+01	-2.725E+03	1.186E+03	-1.019E+03
	195	5.321E+02	-1.028E+01	1.025E+02	-2.725E+03	4.157E+03	-1.023E+02
184	194	-5.540E+03	4.445E+02	8.859E+02	6.539E+03	-1.069E+03	8.758E+03
	200	-5.537E+03	4.375E+02	8.797E+02	6.539E+03	3.341E+03	6.555E+03
185	195	-1.818E+03	6.316E+02	-4.558E+02	8.317E+03	-1.570E+03	6.388E+03
	201	-1.815E+03	6.262E+02	-4.606E+02	8.317E+03	-3.347E+03	3.949E+03
186	283	-2.277E+03	6.372E+02	3.737E+02	5.268E+03	-4.573E+03	1.800E+04
	202	-2.272E+03	6.271E+02	3.648E+02	5.268E+03	-1.898E+03	1.342E+04
187	284	-4.663E+02	4.369E+02	-9.542E+01	1.198E+03	2.676E+03	1.094E+04
	203	-4.585E+02	4.228E+02	-1.079E+02	1.198E+03	1.648E+03	6.601E+03
188	202	-2.206E+03	1.644E+02	2.055E+02	8.889E+03	-1.370E+03	1.232E+04
	196	-2.206E+03	1.644E+02	2.055E+02	8.889E+03	-1.353E+02	1.133E+04
189	203	-4.211E+02	3.486E+02	-1.770E+00	1.758E+03	1.196E+03	7.010E+03
	197	-4.211E+02	3.486E+02	-1.770E+00	1.758E+03	1.191E+03	5.911E+03
190	196	-2.118E+03	8.118E+01	6.140E+01	6.672E+03	-1.018E+03	6.771E+03
	198	-2.114E+03	7.490E+01	5.586E+01	6.672E+03	-7.538E+02	6.419E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
191	197	-4.737E+02	3.703E+02	8.795E+01	2.257E+03	-4.036E+02	5.738E+03
	199	-4.665E+02	3.573E+02	7.655E+01	2.257E+03	3.591E+02	2.364E+03
192	196	-1.452E+02	-8.778E+01	-8.446E+01	-2.392E+03	3.356E+03	-2.123E+03
	197	-8.941E+01	-5.290E+01	-2.130E+01	-2.392E+03	7.785E+02	1.305E+03
193	200	3.002E+02	1.930E+02	1.206E+02	2.362E+03	-3.592E+03	1.988E+03
	204	2.889E+02	1.859E+02	1.334E+02	2.362E+03	-2.115E+03	-2.141E+02
194	201	-2.282E+02	-1.059E+02	-3.677E+02	-3.988E+02	4.767E+03	-1.204E+03
	205	-2.169E+02	-9.887E+01	-3.549E+02	-3.988E+02	5.677E+02	-1.388E+01
195	202	1.589E+02	6.655E+01	-4.623E+02	1.101E+03	3.623E+03	5.287E+02
	206	1.476E+02	5.948E+01	-4.495E+02	1.101E+03	-1.677E+03	-2.038E+02
196	203	1.065E+02	-3.780E+01	-7.378E+01	4.073E+02	-5.678E+02	-4.546E+02
	207	1.177E+02	-3.074E+01	-6.100E+01	4.073E+02	-1.351E+03	-5.615E+01
197	204	-1.332E+02	1.858E+02	2.891E+02	2.122E+02	-2.118E+03	2.360E+03
	208	-1.593E+02	1.715E+02	2.661E+02	2.122E+02	1.961E+03	-2.653E+02
198	205	3.550E+02	9.855E+01	2.168E+02	1.374E+01	-5.680E+02	3.986E+02
	209	3.290E+02	8.417E+01	1.938E+02	1.374E+01	2.449E+03	-9.441E+02
199	206	4.495E+02	5.910E+01	1.478E+02	2.022E+02	-1.678E+03	1.100E+03
	210	4.235E+02	4.474E+01	1.249E+02	2.022E+02	3.247E+02	3.378E+02
200	207	6.132E+01	3.072E+01	-1.176E+02	5.657E+01	1.351E+03	-4.078E+02
	211	3.532E+01	1.631E+01	-1.407E+02	5.657E+01	-5.505E+02	-7.541E+02
201	208	-2.636E+02	-1.726E+02	1.621E+02	2.922E+02	-1.961E+03	-1.817E+02
	212	-2.636E+02	-1.726E+02	1.621E+02	2.922E+02	4.847E+03	7.066E+03
202	209	1.928E+02	9.170E+01	-3.276E+02	-9.767E+02	2.436E+03	2.266E+01
	212	1.927E+02	9.165E+01	-3.275E+02	-9.767E+02	-1.132E+04	-3.827E+03
203	210	-1.263E+02	-2.421E+01	-4.248E+02	-3.486E+02	-3.051E+02	-2.141E+02
	213	-1.262E+02	-2.416E+01	-4.247E+02	-3.486E+02	-1.815E+04	8.022E+02
204	211	-1.402E+02	1.975E+01	-3.553E+01	-7.727E+02	-5.261E+02	-3.310E+01
	213	-1.403E+02	1.971E+01	-3.544E+01	-7.727E+02	-2.018E+03	-8.629E+02
205	213	6.135E+01	-3.327E+02	-3.155E+02	1.610E+04	1.077E+03	-3.576E+02
	214	6.134E+01	-3.327E+02	-3.155E+02	1.610E+04	-1.605E+03	2.470E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
206	212	-2.559E+02	4.311E+02	2.325E+02	1.610E+04	-3.581E+03	1.194E+03
	214	-2.558E+02	4.311E+02	2.325E+02	1.610E+04	-1.604E+03	-2.470E+03
207	198	-2.019E+03	4.794E+02	4.131E+02	7.394E+03	-2.130E+03	5.204E+03
	215	-2.018E+03	4.725E+02	4.070E+02	7.394E+03	-2.435E+02	3.014E+03
208	199	-3.682E+02	4.397E+02	1.493E+02	2.655E+03	-1.257E+02	1.936E+03
	216	-3.657E+02	4.257E+02	1.370E+02	2.655E+03	1.214E+03	-2.114E+03
209	215	-1.928E+03	4.594E+02	7.600E+02	4.522E+03	8.945E+02	-2.302E+03
	221	-1.927E+03	4.520E+02	7.534E+02	4.522E+03	4.669E+03	-4.576E+03
210	216	-4.427E+02	3.729E+02	-2.743E+02	6.542E+03	-8.527E+02	-2.856E+03
	222	-4.417E+02	3.671E+02	-2.794E+02	6.542E+03	-1.927E+03	-4.292E+03
211	281	-5.572E+01	5.107E+02	4.244E+02	3.202E+03	-4.484E+03	8.335E+03
	223	-5.382E+01	4.999E+02	4.148E+02	3.202E+03	-1.443E+03	4.673E+03
212	282	5.288E+00	8.363E+01	-1.367E+02	3.221E+02	2.459E+03	-1.005E+03
	224	7.947E+00	6.852E+01	-1.500E+02	3.221E+02	1.009E+03	-1.774E+03
213	223	-3.087E+01	1.443E+02	1.552E+02	4.790E+03	-1.294E+03	4.005E+03
	217	-3.087E+01	1.443E+02	1.552E+02	4.790E+03	-3.626E+02	3.139E+03
214	224	1.510E+01	-5.594E+01	-7.721E+01	1.879E+02	9.181E+02	-1.454E+03
	218	1.510E+01	-5.594E+01	-7.721E+01	1.879E+02	6.751E+02	-1.278E+03
215	217	-1.177E+00	6.736E+00	5.949E+00	-1.455E-11	-1.341E+01	1.518E+01
	219	2.158E-08	4.274E-11	-5.911E-11	-1.455E-11	-8.299E-08	9.359E-08
216	218	-2.438E+00	1.385E+01	1.223E+01	-5.457E-11	-5.669E+01	6.419E+01
	220	-3.283E-09	3.274E-11	-2.001E-11	-5.457E-11	2.446E-08	-2.775E-08
217	217	-1.493E+02	-2.941E+01	-1.376E+02	-1.596E+03	5.447E+03	-8.931E+02
	218	-8.945E+01	-1.753E+01	-6.979E+01	-1.596E+03	3.951E+02	2.504E+02
218	215	3.510E+02	-8.875E+01	-1.540E+01	-2.048E+03	2.827E+03	-2.672E+03
	216	4.108E+02	-7.682E+01	5.237E+01	-2.048E+03	3.728E+03	1.362E+03
219	221	3.269E+02	7.910E+01	-1.222E+01	1.155E+03	-2.562E+03	8.328E+02
	225	3.148E+02	7.668E+01	1.491E+00	1.155E+03	-2.625E+03	-7.228E+01
220	222	-1.142E+02	-2.807E+01	-3.444E+02	3.049E+02	3.614E+03	-4.121E+02
	226	-1.021E+02	-2.565E+01	-3.306E+02	3.049E+02	-3.070E+02	-1.000E+02

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
221	223	2.594E+02	2.368E+01	-3.557E+02	6.709E+02	1.591E+03	1.446E+02
	227	2.473E+02	2.126E+01	-3.419E+02	6.709E+02	-2.462E+03	-1.165E+02
222	224	7.282E+01	-7.169E+00	-1.245E+02	3.201E+02	1.340E+02	-9.056E+01
	228	8.494E+01	-4.767E+00	-1.108E+02	3.201E+02	-1.233E+03	-2.118E+01
223	225	-1.535E+00	7.638E+01	3.149E+02	6.896E+01	-2.626E+03	1.153E+03
	229	-2.945E+01	7.150E+01	2.902E+02	6.896E+01	1.820E+03	6.616E+01
224	226	3.306E+02	2.547E+01	1.022E+02	1.002E+02	3.071E+02	-3.048E+02
	230	3.027E+02	2.056E+01	7.754E+01	1.002E+02	1.627E+03	-6.430E+02
225	227	3.419E+02	2.065E+01	2.474E+02	1.135E+02	-2.463E+03	6.685E+02
	231	3.140E+02	1.577E+01	2.228E+02	1.135E+02	9.915E+02	4.010E+02
226	228	1.110E+02	4.786E+00	-8.460E+01	2.151E+01	1.233E+03	-3.206E+02
	232	8.313E+01	-1.382E-01	-1.094E+02	2.151E+01	-1.950E+02	-3.549E+02
227	229	-2.892E+02	-7.500E+01	3.066E+01	-4.124E+01	-1.821E+03	-4.071E+01
	233	-2.891E+02	-7.498E+01	3.075E+01	-4.124E+01	-5.319E+02	3.109E+03
228	230	7.730E+01	2.618E+01	-3.024E+02	-6.647E+02	1.620E+03	-7.576E+01
	233	7.721E+01	2.616E+01	-3.023E+02	-6.647E+02	-1.107E+04	-1.175E+03
229	231	-2.233E+02	3.673E+00	-3.140E+02	-4.341E+02	-9.725E+02	-1.505E+02
	234	-2.232E+02	3.684E+00	-3.139E+02	-4.341E+02	-1.416E+04	-3.050E+02
230	232	-1.097E+02	4.108E-01	-8.274E+01	-3.615E+02	-1.833E+02	-1.286E+01
	234	-1.098E+02	4.004E-01	-8.264E+01	-3.615E+02	-3.661E+03	-2.992E+01
231	234	1.612E+01	-3.720E+02	-1.778E+02	1.050E+04	2.472E+02	-1.678E+02
	235	1.612E+01	-3.719E+02	-1.778E+02	1.050E+04	-1.264E+03	2.993E+03
232	233	-9.239E+01	4.479E+02	9.481E+01	1.050E+04	-2.070E+03	8.134E+02
	235	-9.239E+01	4.479E+02	9.481E+01	1.050E+04	-1.264E+03	-2.993E+03
233	173	-7.438E+03	1.374E+03	8.622E+02	1.844E+03	1.942E+03	1.376E+04
	179	-7.432E+03	1.368E+03	8.569E+02	1.844E+03	6.239E+03	6.907E+03
234	174	-4.750E+03	5.820E+02	7.856E+02	4.714E+02	5.414E+03	1.352E+04
	180	-4.746E+03	5.774E+02	7.815E+02	4.714E+02	8.452E+03	1.127E+04
237	248	1.369E+04	4.267E+03	-4.137E+01	-2.088E+03	1.601E+04	6.003E+04
	236	1.369E+04	4.267E+03	-4.137E+01	-2.088E+03	1.506E+04	-3.761E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
238	249	1.037E+04	1.879E+03	-1.997E+02	-2.946E+03	2.006E+04	6.218E+04
	237	1.037E+04	1.879E+03	-1.997E+02	-2.946E+03	1.249E+04	-8.990E+03
239	236	1.581E+03	6.548E+02	-5.450E+02	-5.752E+03	1.898E+04	3.930E+04
	238	1.581E+03	6.548E+02	-5.450E+02	-5.752E+03	1.127E+03	1.785E+04
240	237	9.320E+02	1.042E+03	-2.130E+02	-4.520E+03	1.217E+04	5.010E+04
	239	9.320E+02	1.042E+03	-2.130E+02	-4.520E+03	8.386E+03	3.159E+04
241	248	6.696E+01	-2.505E+00	-2.440E+00	-5.707E+00	7.647E+01	-2.515E+01
	247	6.696E+01	-2.505E+00	-2.435E+00	-5.707E+00	-1.853E+01	7.248E+01
242	249	8.002E+02	1.157E+01	-3.185E+00	1.472E+01	8.896E+01	6.840E+02
	247	8.002E+02	1.157E+01	-3.190E+00	1.472E+01	-3.527E+01	2.332E+02
243	238	7.909E+02	3.228E-01	7.785E+00	3.617E+00	-6.948E+01	5.554E+01
	247	7.908E+02	3.276E-01	7.785E+00	3.617E+00	2.339E+02	4.286E+01
244	239	7.026E+01	6.381E+00	2.544E+00	3.175E+00	-7.827E+00	1.539E+02
	247	7.025E+01	6.376E+00	2.543E+00	3.175E+00	9.129E+01	-9.466E+01
245	238	4.865E+01	3.716E+01	1.894E+02	1.369E+03	-5.841E+03	1.070E+03
	239	4.865E+01	3.721E+01	1.894E+02	1.369E+03	4.499E+03	-9.599E+02
246	238	2.054E+03	1.229E+03	-1.966E+02	2.335E+02	2.943E+03	1.819E+04
	240	2.055E+03	1.229E+03	-1.966E+02	2.335E+02	-3.834E+03	-2.420E+04
247	239	9.686E+02	8.073E+02	-1.839E+02	1.806E+02	8.144E+03	2.960E+04
	241	9.687E+02	8.073E+02	-1.839E+02	1.806E+02	-2.897E+03	-1.887E+04
248	240	-3.319E+01	3.930E+01	5.165E+01	-4.672E+02	-1.934E+03	2.228E+03
	242	-3.313E+01	3.930E+01	5.165E+01	-4.672E+02	2.623E+02	5.566E+02
249	241	-7.593E+01	-4.287E+01	-5.111E+01	2.454E+02	-2.818E+02	-4.072E+02
	243	-7.590E+01	-4.287E+01	-5.111E+01	2.454E+02	-1.148E+03	3.195E+02
250	238	6.546E+01	-4.871E+00	3.867E-01	-5.907E+00	-1.368E+01	-1.601E+02
	246	6.547E+01	-4.871E+00	3.915E-01	-5.907E+00	4.685E+00	6.972E+01
251	239	6.810E+01	7.927E+00	1.593E-02	7.711E+00	-2.095E+00	3.471E+02
	246	6.811E+01	7.927E+00	1.107E-02	7.711E+00	-1.458E+00	-2.694E+01
252	242	6.671E+01	-1.325E+00	2.927E-01	-6.144E-01	-3.549E+01	-3.548E+01
	246	6.670E+01	-1.320E+00	2.929E-01	-6.144E-01	-2.167E+01	2.693E+01

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
253	243	6.442E+01	1.974E+00	2.772E+00	2.797E+00	-5.429E+01	6.978E+01
	246	6.441E+01	1.969E+00	2.772E+00	2.797E+00	7.652E+01	-2.326E+01
254	242	-1.023E+02	2.207E+01	4.189E+00	-5.610E+02	-4.465E+02	2.042E+02
	243	-1.023E+02	2.213E+01	4.189E+00	-5.610E+02	-2.178E+02	-1.002E+03
255	242	-1.686E-02	-5.275E-11	2.183E-11	0.000E+00	-8.367E-11	-2.910E-10
	244	-4.659E-10	-5.275E-11	2.183E-11	0.000E+00	1.019E-10	1.455E-10
256	243	-1.686E-02	-1.637E-11	9.095E-13	0.000E+00	-1.310E-10	-1.601E-10
	245	-4.622E-10	-1.637E-11	9.095E-13	0.000E+00	1.164E-10	2.619E-10
260	248	-2.626E+02	-3.754E+01	-3.606E+02	3.745E+03	9.641E+03	-2.295E+03
	249	-2.626E+02	-3.754E+01	-3.605E+02	3.745E+03	-7.874E+03	-4.710E+02
261	250	1.264E+04	3.912E+03	-3.676E+02	-4.480E+03	2.980E+04	1.339E+05
	248	1.264E+04	3.912E+03	-3.676E+02	-4.480E+03	2.190E+04	4.983E+04
262	251	1.079E+04	2.427E+03	3.622E+02	-3.034E+03	2.358E+04	1.001E+05
	249	1.079E+04	2.427E+03	3.622E+02	-3.034E+03	2.966E+04	5.942E+04
263	250	-3.883E+03	-5.666E+03	3.617E+01	-4.467E+03	-7.280E+01	-2.806E+04
	290	-3.883E+03	-5.682E+03	3.617E+01	-4.467E+03	2.147E+02	1.704E+04
264	251	-2.672E+03	-2.697E+03	-5.678E+02	-2.025E+02	2.436E+02	-1.092E+04
	289	-2.672E+03	-2.714E+03	-5.678E+02	-2.025E+02	-4.316E+03	1.081E+04
265	252	1.830E+04	2.905E+01	-3.314E+02	-4.226E+03	3.693E+04	7.856E+04
	250	1.830E+04	2.905E+01	-3.314E+02	-4.226E+03	2.534E+04	7.754E+04
266	253	1.349E+04	-2.453E+02	-2.056E+02	-6.117E+03	3.154E+04	6.597E+04
	251	1.349E+04	-2.453E+02	-2.056E+02	-6.117E+03	2.338E+04	7.571E+04
267	252	-1.524E+03	2.294E+02	5.040E+01	1.533E+03	-1.403E+03	4.893E+03
	253	-1.524E+03	2.294E+02	5.045E+01	1.533E+03	1.047E+03	-6.251E+03
268	254	1.928E+04	1.158E+03	5.883E+02	2.048E+03	2.716E+04	9.406E+04
	252	1.928E+04	1.158E+03	5.883E+02	2.048E+03	3.494E+04	7.875E+04
269	255	1.255E+04	6.823E+01	4.954E+02	2.395E+02	2.305E+04	6.954E+04
	253	1.255E+04	6.823E+01	4.954E+02	2.395E+02	3.194E+04	6.831E+04
270	254	-3.692E+03	1.273E+03	-4.543E+02	-5.095E+02	2.182E+03	8.443E+03
	292	-3.692E+03	1.257E+03	-4.543E+02	-5.095E+02	-1.429E+03	-1.611E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
271	255	-3.025E+03	4.461E+03	-3.647E+02	-4.512E+01	1.534E+03	1.987E+04
	291	-3.025E+03	4.445E+03	-3.647E+02	-4.512E+01	-1.394E+03	-1.589E+04
272	256	1.801E+04	-2.534E+03	1.340E+02	-2.406E+03	2.086E+04	-7.218E+02
	254	1.801E+04	-2.534E+03	1.340E+02	-2.406E+03	2.666E+04	1.089E+05
273	257	8.086E+03	-2.956E+03	1.307E+02	-3.118E+03	1.796E+04	-2.176E+03
	255	8.086E+03	-2.956E+03	1.307E+02	-3.118E+03	2.300E+04	1.117E+05
274	256	-2.362E-04	1.226E+02	1.632E+02	2.644E+02	-3.148E+03	2.850E+03
	257	-2.362E-04	1.226E+02	1.633E+02	2.644E+02	4.782E+03	-3.106E+03
275	258	2.941E+03	5.012E+03	2.077E+01	1.114E+03	1.789E+04	1.824E+04
	256	2.941E+03	5.012E+03	2.077E+01	1.114E+03	1.796E+04	1.681E+03
276	259	5.100E+03	3.119E+02	3.131E+01	9.946E+01	1.362E+04	7.109E+03
	257	5.100E+03	3.119E+02	3.131E+01	9.946E+01	1.416E+04	1.754E+03
277	258	-7.259E+03	1.412E+03	2.161E+02	-2.104E+02	-1.149E+03	1.592E+04
	294	-7.259E+03	1.371E+03	2.161E+02	-2.104E+02	3.266E+03	-1.250E+04
278	259	-5.656E+03	2.109E+03	1.742E+02	-2.735E+01	-1.210E+03	2.593E+04
	293	-5.656E+03	2.062E+03	1.742E+02	-2.735E+01	2.789E+03	-2.194E+04
279	258	2.438E+03	7.599E+01	-6.904E+01	-1.442E+03	5.463E+03	-6.593E+03
	105	2.438E+03	7.594E+01	-6.904E+01	-1.442E+03	9.468E+02	-1.156E+04
280	259	6.426E+03	9.959E+01	-2.368E+01	-2.051E+02	2.963E+03	-3.517E+03
	106	6.426E+03	9.953E+01	-2.368E+01	-2.051E+02	1.130E+03	-1.122E+04
281	260	-1.267E+02	-4.562E+02	1.679E+02	-4.461E+01	-4.163E+01	-5.224E+01
	258	-1.266E+02	-4.562E+02	1.679E+02	-4.461E+01	1.283E+04	3.493E+04
282	261	-1.394E+03	-6.452E+02	1.818E+02	5.102E+01	-3.781E+01	-6.978E+01
	259	-1.393E+03	-6.452E+02	1.818E+02	5.102E+01	1.139E+04	4.047E+04
295	248	1.011E+03	-1.480E+01	9.937E+00	-5.210E+00	7.511E+01	-3.494E+02
	265	1.011E+03	-1.480E+01	9.937E+00	-5.210E+00	4.653E+02	2.319E+02
296	249	7.025E+02	-2.621E-01	7.873E+00	-9.830E+00	-2.114E+01	-6.350E+01
	265	7.024E+02	-2.669E-01	7.873E+00	-9.830E+00	2.880E+02	-5.311E+01
297	252	7.173E+02	1.318E+01	5.989E+00	6.057E+00	-9.242E+01	7.668E+02
	265	7.173E+02	1.318E+01	5.994E+00	6.057E+00	1.429E+02	2.491E+02

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
298	253	1.004E+03	6.740E+00	2.261E-01	1.360E+01	2.683E+01	7.661E+02
	265	1.004E+03	6.740E+00	2.213E-01	1.360E+01	3.561E+01	5.014E+02
299	252	-5.764E+02	-5.805E+00	-4.632E-01	3.415E+00	2.498E+02	-8.148E+01
	266	-5.764E+02	-5.800E+00	-4.627E-01	3.415E+00	2.316E+02	1.464E+02
300	253	2.246E+03	4.823E-01	4.090E+00	-9.152E+00	9.697E+01	7.284E+00
	266	2.246E+03	4.775E-01	4.089E+00	-9.152E+00	2.576E+02	-1.156E+01
301	256	2.252E+03	2.803E+00	3.224E+00	-4.814E-01	-2.935E+01	3.545E+02
	266	2.252E+03	2.803E+00	3.229E+00	-4.814E-01	9.736E+01	2.444E+02
302	257	-5.793E+02	1.759E+00	8.747E-01	5.429E+00	3.829E+00	3.202E+02
	266	-5.793E+02	1.759E+00	8.699E-01	5.429E+00	3.808E+01	2.512E+02
303	256	-2.144E+00	1.178E+00	-6.050E-01	3.594E+00	1.074E+02	6.289E+01
	267	-2.151E+00	1.183E+00	-6.048E-01	3.594E+00	7.812E+01	5.745E+00
304	257	1.192E+00	3.533E+00	6.921E-01	4.908E-01	6.369E+01	1.574E+02
	267	1.185E+00	3.528E+00	6.920E-01	4.908E-01	9.720E+01	-1.352E+01
305	260	-1.192E+00	-4.023E-01	-1.375E-01	-7.536E-01	-7.455E-01	8.031E+01
	267	-1.185E+00	-4.021E-01	-1.327E-01	-7.536E-01	-7.288E+00	9.979E+01
306	261	2.144E+00	3.518E-01	2.984E-01	1.462E+00	-1.480E+01	9.317E+01
	267	2.151E+00	3.517E-01	2.935E-01	1.462E+00	-4.704E-01	7.614E+01
307	194	4.763E+02	-4.520E+01	3.933E+01	-2.725E+03	7.020E+02	-1.454E+03
	268	4.884E+02	-3.768E+01	5.293E+01	-2.725E+03	1.186E+03	-1.019E+03
308	236	1.205E+04	-3.783E+03	5.036E+02	8.400E+02	-5.301E+03	-7.691E+04
	269	1.205E+04	-3.783E+03	5.036E+02	8.400E+02	1.461E+04	7.269E+04
309	237	8.374E+03	-4.425E+03	1.337E+01	1.497E+03	-5.848E+02	-5.909E+04
	270	8.374E+03	-4.425E+03	1.337E+01	1.497E+03	-3.019E+02	3.456E+04
310	269	5.799E+03	9.353E+02	-1.463E+02	7.213E+02	1.581E+04	5.774E+04
	272	5.799E+03	9.352E+02	-1.463E+02	7.213E+02	1.144E+04	2.980E+04
311	270	6.273E+03	2.503E+02	1.204E+02	-6.506E+02	2.995E+03	3.217E+04
	273	6.273E+03	2.502E+02	1.204E+02	-6.506E+02	1.097E+04	1.559E+04
312	272	3.549E+03	1.380E+03	-3.816E+02	-1.040E+03	1.141E+04	4.740E+04
	274	3.549E+03	1.380E+03	-3.816E+02	-1.040E+03	-2.470E+03	-2.780E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
313	273	9.004E+02	1.298E+03	-2.501E+02	2.122E+02	1.011E+04	4.434E+04
	276	9.004E+02	1.298E+03	-2.501E+02	2.122E+02	-3.945E+03	-2.856E+04
314	274	4.491E+03	2.181E+03	4.418E+02	5.408E+02	-3.458E+03	1.403E+03
	275	4.491E+03	2.181E+03	4.418E+02	5.408E+02	4.069E+03	-3.576E+04
315	269	-6.273E+02	1.742E+02	-5.764E+01	1.205E+03	1.077E+03	5.443E+03
	270	-6.273E+02	1.743E+02	-5.764E+01	1.205E+03	-2.503E+03	-5.378E+03
316	274	1.051E+03	-5.809E+01	5.551E+01	2.785E+03	-1.994E+03	-2.907E+03
	273	1.051E+03	-5.802E+01	5.551E+01	2.785E+03	1.454E+03	6.987E+02
317	241	1.219E+03	-5.727E+02	-1.327E+02	-2.384E+03	-1.075E+03	-1.847E+04
	271	1.219E+03	-5.727E+02	-1.327E+02	-2.384E+03	-2.779E+03	-1.112E+04
318	240	1.062E+03	-9.541E+02	1.472E+02	2.125E+03	-1.711E+03	-2.693E+04
	275	1.062E+03	-9.542E+02	1.472E+02	2.125E+03	1.010E+04	4.962E+04
319	271	1.697E+03	-5.668E+02	1.575E+02	6.264E+02	-2.015E+03	-1.230E+04
	276	1.697E+03	-5.670E+02	1.575E+02	6.264E+02	1.094E+04	3.435E+04
320	240	1.833E+01	4.839E+01	1.133E+02	-8.653E+01	-3.468E+03	8.366E+02
	271	1.837E+01	4.842E+01	1.133E+02	-8.653E+01	2.992E+03	-1.923E+03
321	275	-9.537E+02	6.000E+00	-8.368E+01	-6.783E+01	4.994E+02	-3.984E+02
	276	-9.537E+02	6.034E+00	-8.364E+01	-6.783E+01	-4.147E+03	-7.326E+02
322	275	4.311E+03	4.214E+02	-2.546E+02	3.738E+03	1.296E+04	2.315E+04
	278	4.311E+03	4.213E+02	-2.546E+02	3.738E+03	-6.026E+02	6.985E+02
323	276	2.004E+03	9.333E+02	4.786E+02	-2.273E+03	8.850E+03	2.659E+04
	277	2.004E+03	9.333E+02	4.786E+02	-2.273E+03	1.492E+04	1.474E+04
324	278	1.263E+03	5.354E+02	-4.798E+01	4.032E+03	3.994E+02	2.027E+04
	280	1.263E+03	5.353E+02	-4.798E+01	4.032E+03	-2.616E+03	-1.337E+04
325	277	2.176E+03	2.754E+02	-5.523E+02	8.737E+03	1.490E+04	1.211E+04
	279	2.176E+03	2.753E+02	-5.523E+02	8.737E+03	-1.755E+04	-4.069E+03
326	279	8.641E+02	1.199E+02	-3.705E+01	2.351E+03	-2.744E+02	8.487E+02
	280	8.641E+02	1.198E+02	-3.705E+01	2.351E+03	-2.787E+03	-7.279E+03
327	280	-8.300E+02	-1.584E+03	-4.849E+01	-1.166E+01	-9.758E+01	-1.955E+04
	281	-8.795E+02	-1.562E+03	-4.849E+01	-1.166E+01	-1.401E+03	2.272E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
328	280	-3.536E+02	5.492E+01	-3.964E+02	-1.277E+02	9.380E+03	-1.249E+03
	282	-3.309E+02	1.285E+02	-3.478E+02	-1.277E+02	-7.469E+03	-5.402E+03
329	278	-9.347E+02	-2.907E+03	-2.066E+02	-9.117E+02	5.558E+02	-1.957E+04
	283	-9.646E+02	-2.910E+03	-2.066E+02	-9.117E+02	-2.526E+03	2.383E+04
330	279	-5.771E+02	-1.384E+02	-1.257E+03	-3.564E+02	1.735E+04	-7.464E+03
	284	-5.777E+02	-8.470E+01	-1.260E+03	-3.564E+02	-1.632E+04	-4.479E+03
331	275	-2.611E+03	-1.214E+03	-2.912E+01	3.042E+02	-3.976E+02	-8.839E+03
	285	-2.651E+03	-1.232E+03	-2.912E+01	3.042E+02	-1.036E+03	1.795E+04
332	276	-4.981E+02	-2.129E+03	-3.842E+02	3.311E+02	2.455E+03	-2.092E+04
	286	-5.411E+02	-2.147E+03	-3.842E+02	3.311E+02	-6.505E+03	2.894E+04
333	272	-1.035E+03	-2.046E+03	2.353E+02	-4.449E+02	-1.704E+03	-1.761E+04
	287	-1.059E+03	-2.064E+03	2.353E+02	-4.449E+02	1.806E+03	1.305E+04
334	273	-4.447E+03	-2.667E+03	-3.719E+02	-6.308E+02	2.463E+03	-3.021E+04
	288	-4.484E+03	-2.675E+03	-3.719E+02	-6.308E+02	-4.532E+03	2.003E+04
335	221	-1.849E+03	4.389E+02	4.256E+02	1.996E+03	8.003E+03	-7.084E+03
	281	-1.848E+03	4.362E+02	4.233E+02	1.996E+03	8.750E+03	-7.855E+03
336	222	-4.143E+02	2.393E+01	-3.927E+02	1.873E+03	-3.269E+03	-5.095E+03
	282	-4.135E+02	1.963E+01	-3.965E+02	1.873E+03	-4.405E+03	-5.158E+03
337	200	-5.343E+03	5.588E+02	5.801E+02	2.586E+03	8.549E+03	2.882E+03
	283	-5.342E+03	5.564E+02	5.780E+02	2.586E+03	9.566E+03	1.902E+03
338	201	-1.710E+03	2.610E+02	-6.866E+02	2.439E+03	-6.254E+03	1.669E+03
	284	-1.708E+03	2.570E+02	-6.901E+02	2.439E+03	-8.237E+03	9.230E+02
339	179	-7.298E+03	1.449E+03	8.762E+02	9.681E+02	1.050E+04	1.231E+03
	285	-7.296E+03	1.446E+03	8.743E+02	9.681E+02	1.204E+04	-1.311E+03
340	180	-4.529E+03	3.598E+02	6.524E+02	-3.292E+03	8.083E+03	7.603E+03
	286	-4.525E+03	3.563E+02	6.493E+02	-3.292E+03	9.960E+03	6.570E+03
341	85	-1.020E+04	6.315E+02	2.039E+02	1.238E+02	6.111E+03	2.457E+04
	287	-1.020E+04	6.299E+02	2.025E+02	1.238E+02	6.468E+03	2.346E+04
342	86	-9.868E+03	9.755E+02	1.151E+03	-2.202E+03	5.182E+03	7.598E+03
	288	-9.863E+03	9.729E+02	1.148E+03	-2.202E+03	8.501E+03	4.785E+03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	JT.	FORCES X	FORCES Y	FORCES Z	MOMENTS X	MOMENTS Y	MOMENTS Z
345	271	-5.916E+02	-4.099E+00	-3.994E-01	-2.505E+00	1.657E+01	-1.253E+02
	275	-5.916E+02	-4.113E+00	-4.128E-01	-2.505E+00	-2.681E+01	3.134E+02
346	240	1.023E+03	-7.941E+00	-2.518E-01	-8.721E+00	1.879E+01	-2.045E+02
	276	1.023E+03	-7.952E+00	-2.552E-01	-8.721E+00	-4.056E+00	5.117E+02
347	269	1.370E+02	1.046E+01	1.074E+00	6.344E+00	-3.997E+01	4.603E+02
	273	1.370E+02	1.045E+01	1.080E+00	6.344E+00	3.126E+01	-2.312E+02
348	270	4.605E+02	6.787E-01	6.516E-02	2.846E+00	-1.900E+01	3.060E+02
	274	4.605E+02	6.694E-01	5.059E-02	2.846E+00	-1.263E+01	2.318E+02
349	94	-1.643E+04	1.666E+03	1.762E+03	-2.109E+03	3.399E+03	5.310E+04
	289	-1.642E+04	1.665E+03	1.761E+03	-2.109E+03	8.477E+03	4.830E+04
350	93	-2.372E+04	2.731E+03	1.859E+03	-5.275E+02	1.384E+04	6.772E+04
	290	-2.372E+04	2.731E+03	1.859E+03	-5.275E+02	1.711E+04	6.292E+04
351	98	-1.321E+04	6.913E+02	1.055E+03	-1.299E+03	-3.260E+03	5.345E+04
	291	-1.320E+04	6.919E+02	1.055E+03	-1.299E+03	-2.191E+02	5.146E+04
352	97	-2.348E+04	6.740E+02	1.185E+03	-6.245E+03	6.669E+03	7.856E+04
	292	-2.347E+04	6.743E+02	1.185E+03	-6.245E+03	8.752E+03	7.738E+04
353	102	-1.470E+04	1.880E+03	1.643E+03	2.349E+03	-2.380E+03	1.114E+04
	293	-1.470E+04	1.881E+03	1.645E+03	2.349E+03	2.361E+03	5.713E+03
354	101	-2.459E+04	2.088E+03	2.153E+03	-3.188E+03	6.629E+03	2.930E+04
	294	-2.459E+04	2.089E+03	2.154E+03	-3.188E+03	1.041E+04	2.563E+04
355	90	-1.368E+04	2.661E+03	2.336E+03	1.527E+03	7.924E+03	7.210E+02
	295	-1.368E+04	2.660E+03	2.335E+03	1.527E+03	1.466E+04	-6.952E+03
356	89	-1.750E+04	2.470E+03	1.327E+03	2.465E+03	9.393E+03	3.321E+04
	296	-1.749E+04	2.469E+03	1.326E+03	2.465E+03	1.173E+04	2.887E+04
357	269	-7.984E+03	4.050E+02	3.691E+02	-9.880E+01	-4.063E+03	1.139E+04
	296	-8.045E+03	3.984E+02	3.691E+02	-9.880E+01	7.294E+03	-9.745E+02
358	270	-5.531E+03	-1.023E+03	9.276E+01	-2.064E+02	-1.956E+03	-2.655E+03
	295	-5.565E+03	-1.056E+03	9.276E+01	-2.064E+02	2.203E+02	2.173E+04

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

STRESS CALCULATIONS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
1	AFT	1	0.000E+00	4.490E+00	1.590E+00		
			2.088E+00	6.177E+00	1.888E+00	1.015E+01	0.00
	AFT	2	-1.082E-13	4.490E+00	1.590E+00		
			2.088E+00	0.000E+00	1.888E+00	3.976E+00	0.00
	AFT	3	-1.082E-13	4.490E+00	1.590E+00		
			2.088E+00	0.000E+00	-1.888E+00	1.999E-01	0.00
2	AFT	1	0.000E+00	2.181E+00	7.727E-01		
			1.015E+00	1.458E+00	4.457E-01	2.919E+00	0.00
	AFT	2	3.786E-12	2.181E+00	7.727E-01		
			1.015E+00	0.000E+00	4.457E-01	1.460E+00	0.00
	AFT	3	3.786E-12	2.181E+00	7.727E-01		
			1.015E+00	0.000E+00	-4.457E-01	5.689E-01	0.00
3	AFT	1	-1.003E+01	1.170E+02	-6.448E+01		
			-1.188E+01	-3.522E+02	5.588E+02	9.230E+02	0.02
4	AFT	1	0.000E+00	-7.495E+01	-7.157E+00		
			-3.694E+01	1.340E+03	-6.891E+01	1.446E+03	0.04
	AFT	2	6.872E+03	-7.495E+01	-7.157E+00		
			-3.694E+01	0.000E+00	-6.891E+01	1.190E+04	0.33
	AFT	3	6.872E+03	-7.495E+01	-7.157E+00		
			-3.694E+01	0.000E+00	6.891E+01	1.190E+04	0.33
5	AFT	1	0.000E+00	1.079E+02	1.883E+01		
			5.227E+01	1.774E+03	8.547E+01	1.912E+03	0.05
	AFT	2	1.098E+04	1.079E+02	1.883E+01		
			5.227E+01	0.000E+00	8.547E+01	1.901E+04	0.53
	AFT	3	1.098E+04	1.079E+02	1.883E+01		
			5.227E+01	0.000E+00	-8.547E+01	1.901E+04	0.53
6	AFT	1	0.000E+00	-9.300E+02	-2.629E+02		
			-2.260E+03	-1.459E+03	-6.802E+02	4.399E+03	0.12
	AFT	2	-2.139E+03	-9.300E+02	-2.629E+02		
			-2.260E+03	0.000E+00	-6.802E+02	4.729E+03	0.13
	AFT	3	-2.139E+03	-9.300E+02	-2.629E+02		
			-2.260E+03	0.000E+00	6.802E+02	4.027E+03	0.11
7	AFT	1	0.000E+00	-1.379E+03	-4.226E+02		
			-3.428E+03	-1.185E+03	-1.090E+03	5.703E+03	0.16
	AFT	2	3.252E+03	-1.379E+03	-4.226E+02		
			-3.428E+03	0.000E+00	-1.090E+03	7.221E+03	0.20
	AFT	3	3.252E+03	-1.379E+03	-4.226E+02		
			-3.428E+03	0.000E+00	1.090E+03	6.099E+03	0.17

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
10	FORE	1	1.539E+02	-1.634E+02	1.368E+02		
			7.776E+01	-5.496E+02	3.600E+02	9.873E+02	0.02
11	AFT	1	8.043E+01	4.800E+01	-5.306E+01		
			-3.596E+01	-6.408E+02	4.684E+02	1.145E+03	0.03
12	FORE	1	6.311E+01	-7.520E+01	-3.276E+01		
			-5.317E+01	2.691E+02	1.360E+02	4.583E+02	0.01
13	AFT	1	6.033E+01	1.899E+01	4.119E+01		
			1.213E+01	4.065E+02	1.995E+02	6.181E+02	0.02
14	AFT	1	-6.424E+01	7.165E+01	8.538E+01		
			-1.052E+02	3.700E+02	-3.139E+01	5.066E+02	0.01
15	AFT	1	2.878E+01	1.973E+01	-7.374E+01		
			-2.231E+01	-6.791E+02	2.091E+02	9.105E+02	0.03
16	AFT	1	2.282E+01	5.092E+00	-2.956E+01		
			4.544E+01	-2.007E+02	-7.442E+01	3.206E+02	0.01
17	FORE	1	6.838E+01	1.667E+00	3.271E+01		
			8.382E+00	-3.164E+02	5.568E+01	3.805E+02	0.01
18	FORE	1	-3.483E+01	2.969E+02	-3.006E+01		
			-1.766E+01	2.416E+02	-1.566E+03	1.825E+03	0.04
19	AFT	1	0.000E+00	-8.935E+02	-2.894E+02		
			-2.096E+03	-2.100E+03	-2.175E+03	6.371E+03	0.18
	AFT	2	7.955E+03	-8.935E+02	-2.894E+02		
			-2.096E+03	0.000E+00	-2.175E+03	1.442E+04	0.40
	AFT	3	7.955E+03	-8.935E+02	-2.894E+02		
			-2.096E+03	0.000E+00	2.175E+03	1.378E+04	0.38
20	AFT	1	0.000E+00	-1.446E+03	-4.941E+02		
			-3.549E+03	-3.240E+03	-3.361E+03	1.015E+04	0.28
	AFT	2	1.256E+04	-1.446E+03	-4.941E+02		
			-3.549E+03	0.000E+00	-3.361E+03	2.283E+04	0.63
	AFT	3	1.256E+04	-1.446E+03	-4.941E+02		
			-3.549E+03	0.000E+00	3.361E+03	2.176E+04	0.60
21	FORE	1	0.000E+00	6.499E+02	2.573E+02		
			-2.104E+03	-2.052E+03	-2.187E+03	6.343E+03	0.18
	FORE	2	-2.699E+03	6.499E+02	2.573E+02		
			-2.104E+03	0.000E+00	-2.187E+03	6.346E+03	0.18
	FORE	3	-2.699E+03	6.499E+02	2.573E+02		
			-2.104E+03	0.000E+00	2.187E+03	4.676E+03	0.13
22	FORE	1	0.000E+00	1.161E+03	4.296E+02		
			-3.560E+03	-3.160E+03	-3.380E+03	1.010E+04	0.28
	FORE	2	-3.886E+03	1.161E+03	4.296E+02		
			-3.560E+03	0.000E+00	-3.380E+03	9.668E+03	0.27
	FORE	3	-3.886E+03	1.161E+03	4.296E+02		
			-3.560E+03	0.000E+00	3.380E+03	6.733E+03	0.19

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
23	FORE	1	9.939E+00	-1.722E+02	-6.749E+01		
			-3.013E+01	3.573E+02	7.901E+02	1.177E+03	0.03
24	FORE	1	0.000E+00	7.720E+02	3.049E+02		
			-2.162E+03	-6.381E+02	-1.198E+03	3.998E+03	0.11
	FORE	2	8.456E+03	7.720E+02	3.049E+02		
			-2.162E+03	0.000E+00	-1.198E+03	1.503E+04	0.42
	FORE	3	8.456E+03	7.720E+02	3.049E+02		
			-2.162E+03	0.000E+00	1.198E+03	1.468E+04	0.41
25	FORE	1	0.000E+00	1.057E+03	3.882E+02		
			-3.486E+03	-1.482E+03	-2.190E+03	7.158E+03	0.20
	FORE	2	7.287E+03	1.057E+03	3.882E+02		
			-3.486E+03	0.000E+00	-2.190E+03	1.384E+04	0.38
	FORE	3	7.287E+03	1.057E+03	3.882E+02		
			-3.486E+03	0.000E+00	2.190E+03	1.269E+04	0.35
26	FORE	1	0.000E+00	-1.442E+03	-4.650E+02		
			-2.039E+03	3.730E+03	8.200E+02	6.589E+03	0.18
	FORE	2	4.024E+02	-1.442E+03	-4.650E+02		
			-2.039E+03	0.000E+00	8.200E+02	1.405E+03	0.04
	FORE	3	4.024E+02	-1.442E+03	-4.650E+02		
			-2.039E+03	0.000E+00	-8.200E+02	2.943E+03	0.08
27	AFT	1	0.000E+00	-1.833E+03	-5.226E+02		
			-3.258E+03	1.098E+03	-1.640E+03	5.996E+03	0.17
	AFT	2	1.165E+04	-1.833E+03	-5.226E+02		
			-3.258E+03	0.000E+00	-1.640E+03	2.077E+04	0.58
	AFT	3	1.165E+04	-1.833E+03	-5.226E+02		
			-3.258E+03	0.000E+00	1.640E+03	2.025E+04	0.56
30	FORE	1	2.301E+02	-2.345E+02	1.672E+02		
			3.783E+01	-5.186E+02	6.482E+02	1.205E+03	0.03
31	AFT	1	-3.403E+00	7.042E+01	-2.540E+01		
			-4.562E+01	-3.522E+02	6.667E+02	1.064E+03	0.03
32	FORE	1	3.679E+00	1.296E+01	-1.018E+02		
			-1.184E+01	3.044E+02	-1.163E+02	4.326E+02	0.01
33	AFT	1	6.513E+01	-1.092E+01	1.035E+01		
			3.065E+01	1.365E+02	-1.558E+02	3.230E+02	0.01
34	AFT	1	-2.096E+01	2.531E+01	3.076E+01		
			-5.613E+01	1.725E+02	7.441E+01	3.031E+02	0.01
35	AFT	1	-6.835E+01	3.857E+00	-3.918E+01		
			-7.525E+00	-4.004E+02	5.179E+01	4.597E+02	0.01

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
36	FORE	1	-5.562E+01	1.271E+02	-1.545E+00		
			2.417E+01	-1.448E+02	-4.120E+02	5.810E+02	0.01
37	AFT	1	6.151E+01	3.511E+01	1.923E+01		
			2.225E+00	7.498E+01	4.955E+02	5.727E+02	0.02
38	FORE	1	-1.009E+02	2.733E+02	-5.881E+01		
			-1.015E+02	4.170E+02	-1.437E+03	1.956E+03	0.05
39	AFT	1	0.000E+00	-1.462E+03	-3.288E+02		
			-1.912E+03	-1.832E+03	-2.946E+03	6.691E+03	0.19
	AFT	2	1.492E+04	-1.462E+03	-3.288E+02		
			-1.912E+03	0.000E+00	-2.946E+03	2.630E+04	0.73
	AFT	3	1.492E+04	-1.462E+03	-3.288E+02		
			-1.912E+03	0.000E+00	2.946E+03	2.587E+04	0.72
40	AFT	1	0.000E+00	-1.916E+03	-6.886E+02		
			-3.327E+03	-2.520E+03	-4.616E+03	1.046E+04	0.29
	AFT	2	2.715E+04	-1.916E+03	-6.886E+02		
			-3.327E+03	0.000E+00	-4.616E+03	4.768E+04	1.32
	AFT	3	2.715E+04	-1.916E+03	-6.886E+02		
			-3.327E+03	0.000E+00	4.616E+03	4.704E+04	1.31
41	FORE	1	0.000E+00	-4.117E+01	1.746E+02		
			-1.961E+03	-1.712E+03	-2.975E+03	6.647E+03	0.18
	FORE	2	-1.715E+03	-4.117E+01	1.746E+02		
			-1.961E+03	0.000E+00	-2.975E+03	5.761E+03	0.16
	FORE	3	-1.715E+03	-4.117E+01	1.746E+02		
			-1.961E+03	0.000E+00	2.975E+03	3.139E+03	0.09
42	FORE	1	0.000E+00	5.442E+02	1.827E+02		
			-3.392E+03	-2.269E+03	-4.675E+03	1.034E+04	0.29
	FORE	2	2.894E+02	5.442E+02	1.827E+02		
			-3.392E+03	0.000E+00	-4.675E+03	8.083E+03	0.22
	FORE	3	2.894E+02	5.442E+02	1.827E+02		
			-3.392E+03	0.000E+00	4.675E+03	1.378E+03	0.04
43	AFT	1	-3.205E+01	-1.890E+01	-1.092E+02		
			2.137E+00	-5.562E+02	-1.921E+02	7.505E+02	0.02
44	FORE	1	0.000E+00	1.341E+02	1.727E+02		
			-1.966E+03	1.326E+02	-2.945E+03	5.043E+03	0.14
	FORE	2	1.572E+04	1.341E+02	1.727E+02		
			-1.966E+03	0.000E+00	-2.945E+03	2.766E+04	0.77
	FORE	3	1.572E+04	1.341E+02	1.727E+02		
			-1.966E+03	0.000E+00	2.945E+03	2.724E+04	0.76

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
45	FORE	1	0.000E+00	3.856E+02	1.905E+02		
			-3.369E+03	-9.383E+02	-4.192E+03	8.500E+03	0.24
	FORE	2	1.618E+04	3.856E+02	1.905E+02		
			-3.369E+03	0.000E+00	-4.192E+03	2.903E+04	0.81
	FORE	3	1.618E+04	3.856E+02	1.905E+02		
			-3.369E+03	0.000E+00	4.192E+03	2.804E+04	0.78
46	FORE	1	0.000E+00	-9.236E+02	-3.361E+02		
			-2.432E+03	2.409E+03	-1.801E+03	6.642E+03	0.18
	FORE	2	-1.720E+02	-9.236E+02	-3.361E+02		
			-2.432E+03	0.000E+00	-1.801E+03	4.243E+03	0.12
	FORE	3	-1.720E+02	-9.236E+02	-3.361E+02		
			-2.432E+03	0.000E+00	1.801E+03	6.973E+02	0.02
47	AFT	1	0.000E+00	-1.003E+03	-3.587E+02		
			-3.421E+03	1.537E+02	-4.205E+03	7.779E+03	0.22
	AFT	2	9.117E+03	-1.003E+03	-3.587E+02		
			-3.421E+03	0.000E+00	-4.205E+03	1.754E+04	0.49
	AFT	3	9.117E+03	-1.003E+03	-3.587E+02		
			-3.421E+03	0.000E+00	4.205E+03	1.581E+04	0.44
50	FORE	1	3.776E+02	-2.747E+02	1.711E+02		
			4.271E+01	-5.312E+02	7.057E+02	1.280E+03	0.03
51	FORE	1	4.623E+01	8.796E+01	-3.053E+01		
			-4.832E+01	8.685E+01	-9.205E+02	1.056E+03	0.03
52	FORE	1	-6.425E+01	3.030E+01	-1.485E+02		
			-2.799E+01	4.861E+02	-1.438E+02	6.579E+02	0.02
53	AFT	1	4.530E+01	-1.711E+01	2.077E+01		
			4.272E+01	2.353E+02	-9.207E+01	3.701E+02	0.01
54	FORE	1	-1.840E+02	1.449E+02	-2.310E+01		
			-5.072E+01	1.949E+02	-3.426E+02	5.883E+02	0.01
55	AFT	1	-4.719E+01	4.048E+01	-3.589E+01		
			7.167E+00	-4.057E+02	2.757E+02	6.886E+02	0.02
56	FORE	1	1.184E+02	1.914E+01	1.928E+01		
			3.806E+01	-2.391E+02	-1.029E+02	3.800E+02	0.01
57	FORE	1	5.470E+01	3.931E+00	2.761E+01		
			-5.268E+00	-2.937E+02	2.886E+02	5.875E+02	0.02
58	FORE	1	-1.302E+02	1.954E+02	-4.920E+01		
			-4.154E+01	3.254E+02	-1.020E+03	1.387E+03	0.03
59	AFT	1	0.000E+00	-1.043E+03	-3.099E+02		
			-2.342E+03	-2.143E+03	-4.339E+03	8.824E+03	0.25
	AFT	2	1.765E+04	-1.043E+03	-3.099E+02		
			-2.342E+03	0.000E+00	-4.339E+03	3.128E+04	0.87
	AFT	3	1.765E+04	-1.043E+03	-3.099E+02		
			-2.342E+03	0.000E+00	4.339E+03	3.063E+04	0.85

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
60	AFT	1	0.000E+00	-1.047E+03	-4.590E+02		
			-3.496E+03	-2.638E+03	-6.000E+03	1.213E+04	0.34
	AFT	2	2.411E+04	-1.047E+03	-4.590E+02		
			-3.496E+03	0.000E+00	-6.000E+03	4.282E+04	1.19
	AFT	3	2.411E+04	-1.047E+03	-4.590E+02		
			-3.496E+03	0.000E+00	6.000E+03	4.183E+04	1.16
61	FORE	1	0.000E+00	6.865E+02	3.025E+02		
			-2.352E+03	-2.054E+03	-4.360E+03	8.765E+03	0.24
	FORE	2	-7.953E+03	6.865E+02	3.025E+02		
			-2.352E+03	0.000E+00	-4.360E+03	1.532E+04	0.43
	FORE	3	-7.953E+03	6.865E+02	3.025E+02		
			-2.352E+03	0.000E+00	4.360E+03	1.392E+04	0.39
62	FORE	1	0.000E+00	1.504E+03	4.443E+02		
			-3.484E+03	-2.525E+03	-6.027E+03	1.204E+04	0.33
	FORE	2	-1.167E+04	1.504E+03	4.443E+02		
			-3.484E+03	0.000E+00	-6.027E+03	2.234E+04	0.62
	FORE	3	-1.167E+04	1.504E+03	4.443E+02		
			-3.484E+03	0.000E+00	6.027E+03	2.037E+04	0.57
63	AFT	1	3.039E+01	-1.497E+02	-8.011E+01		
			-5.622E+01	-4.422E+02	-7.990E+02	1.297E+03	0.03
64	FORE	1	0.000E+00	8.160E+02	3.822E+02		
			-2.412E+03	-2.669E+00	-3.332E+03	5.747E+03	0.16
	FORE	2	5.747E+03	8.160E+02	3.822E+02		
			-2.412E+03	0.000E+00	-3.332E+03	1.149E+04	0.32
	FORE	3	5.747E+03	8.160E+02	3.822E+02		
			-2.412E+03	0.000E+00	3.332E+03	9.997E+03	0.28
65	FORE	1	0.000E+00	1.392E+03	3.710E+02		
			-3.406E+03	-8.701E+02	-4.446E+03	8.723E+03	0.24
	FORE	2	-3.714E+02	1.392E+03	3.710E+02		
			-3.406E+03	0.000E+00	-4.446E+03	7.879E+03	0.22
	FORE	3	-3.714E+02	1.392E+03	3.710E+02		
			-3.406E+03	0.000E+00	4.446E+03	1.223E+03	0.03
66	AFT	1	0.000E+00	-1.120E+02	-1.386E+02		
			-1.986E+03	-1.027E+02	-2.543E+03	4.632E+03	0.13
	AFT	2	-4.078E+03	-1.120E+02	-1.386E+02		
			-1.986E+03	0.000E+00	-2.543E+03	8.391E+03	0.23
	AFT	3	-4.078E+03	-1.120E+02	-1.386E+02		
			-1.986E+03	0.000E+00	2.543E+03	7.086E+03	0.20

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
67	AFT	1	0.000E+00	-3.876E+02	-2.442E+02		
			-2.624E+03	-4.181E+01	-3.351E+03	6.017E+03	0.17
	AFT	2	2.504E+03	-3.876E+02	-2.442E+02		
			-2.624E+03	0.000E+00	-3.351E+03	7.384E+03	0.21
	AFT	3	2.504E+03	-3.876E+02	-2.442E+02		
			-2.624E+03	0.000E+00	3.351E+03	4.399E+03	0.12
70	FORE	1	3.514E+02	-2.503E+02	4.785E+01		
			-7.360E+00	-5.120E+01	6.640E+02	7.225E+02	0.02
71	FORE	1	2.199E+01	7.992E+01	5.087E+00		
			-1.378E+01	-1.311E+02	-8.565E+02	1.001E+03	0.03
72	FORE	1	-9.057E+01	4.072E+01	-7.493E+01		
			-9.356E+00	2.234E+02	-1.404E+02	3.731E+02	0.01
73	FORE	1	1.546E+01	-1.574E+01	6.530E+00		
			2.105E+01	-2.441E+01	2.208E+02	2.663E+02	0.01
74	FORE	1	-2.394E+02	1.517E+02	3.868E+01		
			-1.974E+01	-3.949E+01	-3.362E+02	3.954E+02	0.01
75	FORE	1	-7.044E+01	4.750E+01	-1.442E+01		
			-1.118E+01	1.094E+02	-5.835E+02	7.041E+02	0.02
76	FORE	1	1.226E+01	4.720E+01	-7.344E+01		
			8.156E+00	1.339E+02	-1.389E+02	2.810E+02	0.01
77	AFT	1	1.591E+01	8.368E+00	5.247E+00		
			2.022E+01	-1.803E+01	2.118E+02	2.500E+02	0.01
78	AFT	1	-4.012E+00	9.362E+01	-3.649E+01		
			5.268E+01	-1.590E+02	4.189E+02	6.306E+02	0.02
79	AFT	1	0.000E+00	-1.541E+02	-2.227E+02		
			-1.959E+03	-1.659E+03	-2.879E+03	6.497E+03	0.18
	AFT	2	6.588E+03	-1.541E+02	-2.227E+02		
			-1.959E+03	0.000E+00	-2.879E+03	1.239E+04	0.34
	AFT	3	6.588E+03	-1.541E+02	-2.227E+02		
			-1.959E+03	0.000E+00	2.879E+03	1.145E+04	0.32
80	AFT	1	0.000E+00	-5.430E+02	-1.799E+02		
			-2.632E+03	-1.788E+03	-4.131E+03	8.552E+03	0.24
	AFT	2	5.357E+03	-5.430E+02	-1.799E+02		
			-2.632E+03	0.000E+00	-4.131E+03	1.148E+04	0.32
	AFT	3	5.357E+03	-5.430E+02	-1.799E+02		
			-2.632E+03	0.000E+00	4.131E+03	9.400E+03	0.26
81	FORE	1	0.000E+00	1.272E+03	2.822E+02		
			-1.926E+03	-1.688E+03	-2.872E+03	6.486E+03	0.18
	FORE	2	-9.671E+03	1.272E+03	2.822E+02		
			-1.926E+03	0.000E+00	-2.872E+03	1.742E+04	0.48
	FORE	3	-9.671E+03	1.272E+03	2.822E+02		
			-1.926E+03	0.000E+00	2.872E+03	1.678E+04	0.47

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
82	FORE	1	0.000E+00	1.370E+03	4.976E+02		
			-2.592E+03	-1.913E+03	-4.102E+03	8.607E+03	0.24
	FORE	2	-1.901E+04	1.370E+03	4.976E+02		
			-2.592E+03	0.000E+00	-4.102E+03	3.360E+04	0.93
	FORE	3	-1.901E+04	1.370E+03	4.976E+02		
			-2.592E+03	0.000E+00	4.102E+03	3.296E+04	0.92
83	FORE	1	8.463E+01	-2.164E+02	-6.908E+01		
			-1.487E+02	3.672E+02	9.950E+02	1.511E+03	0.04
84	AFT	1	0.000E+00	1.369E+03	4.857E+02		
			-2.001E+03	1.441E+03	-5.643E+02	4.007E+03	0.11
	AFT	2	-1.111E+03	1.369E+03	4.857E+02		
			-2.001E+03	0.000E+00	-5.643E+02	3.207E+03	0.09
	AFT	3	-1.111E+03	1.369E+03	4.857E+02		
			-2.001E+03	0.000E+00	5.643E+02	2.401E+03	0.07
85	FORE	1	0.000E+00	1.268E+03	2.926E+02		
			-2.499E+03	-6.295E+02	-2.600E+03	5.729E+03	0.16
	FORE	2	-7.643E+03	1.268E+03	2.926E+02		
			-2.499E+03	0.000E+00	-2.600E+03	1.419E+04	0.39
	FORE	3	-7.643E+03	1.268E+03	2.926E+02		
			-2.499E+03	0.000E+00	2.600E+03	1.324E+04	0.37
86	AFT	1	0.000E+00	-5.004E+02	-1.541E+02		
			-1.485E+03	-4.610E+01	-5.144E+02	2.046E+03	0.06
	AFT	2	-2.662E+03	-5.004E+02	-1.541E+02		
			-1.485E+03	0.000E+00	-5.144E+02	5.025E+03	0.14
	AFT	3	-2.662E+03	-5.004E+02	-1.541E+02		
			-1.485E+03	0.000E+00	5.144E+02	4.711E+03	0.13
87	FORE	1	0.000E+00	-4.892E+02	-2.499E+02		
			-1.501E+03	2.045E+03	-7.896E+02	4.336E+03	0.12
	FORE	2	1.788E+03	-4.892E+02	-2.499E+02		
			-1.501E+03	0.000E+00	-7.896E+02	3.852E+03	0.11
	FORE	3	1.788E+03	-4.892E+02	-2.499E+02		
			-1.501E+03	0.000E+00	7.896E+02	3.178E+03	0.09
90	FORE	1	1.990E+02	-1.905E+02	2.496E+01		
			6.778E+00	-7.033E+01	5.272E+02	6.043E+02	0.01
91	AFT	1	-4.968E+00	5.594E+01	-6.705E+00		
			-8.863E+00	-1.064E+02	4.978E+02	6.130E+02	0.02
92	FORE	1	1.444E+01	-5.603E+00	-9.774E+01		
			-1.006E+01	2.600E+02	-3.392E+01	3.040E+02	0.01

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
93	AFT	1	3.695E+01	-4.821E+00	5.412E+00		
			2.593E+01	1.170E+02	-7.891E+01	2.219E+02	0.01
94	FORE	1	-1.110E+02	7.351E+01	2.867E+01		
			8.971E+00	-1.249E+02	-1.259E+02	2.597E+02	0.01
95	FORE	1	-6.409E+01	2.197E+01	5.855E+00		
			-8.721E+00	-6.624E+01	-2.707E+02	3.456E+02	0.01
96	FORE	1	-9.412E+01	1.110E+02	-9.556E+01		
			2.427E+01	1.279E+02	-3.138E+02	4.659E+02	0.01
97	FORE	1	1.236E+01	3.431E+01	1.687E+01		
			2.651E+01	-2.139E+02	-2.295E+02	4.699E+02	0.01
98	FORE	1	-2.338E+01	1.034E+02	-3.225E+01		
			2.767E+01	2.206E+02	-5.402E+02	7.884E+02	0.02
99	AFT	1	0.000E+00	-5.977E+02	-2.104E+02		
			-1.425E+03	-1.219E+03	-1.481E+03	4.126E+03	0.11
	AFT	2	5.950E+03	-5.977E+02	-2.104E+02		
			-1.425E+03	0.000E+00	-1.481E+03	1.071E+04	0.30
	AFT	3	5.950E+03	-5.977E+02	-2.104E+02		
			-1.425E+03	0.000E+00	1.481E+03	1.031E+04	0.29
100	AFT	1	0.000E+00	-6.727E+02	-2.413E+02		
			-1.501E+03	-8.078E+02	-2.024E+03	4.333E+03	0.12
	AFT	2	4.547E+03	-6.727E+02	-2.413E+02		
			-1.501E+03	0.000E+00	-2.024E+03	8.629E+03	0.24
	AFT	3	4.547E+03	-6.727E+02	-2.413E+02		
			-1.501E+03	0.000E+00	2.024E+03	7.894E+03	0.22
101	FORE	1	0.000E+00	4.523E+02	1.615E+02		
			-1.432E+03	-1.181E+03	-1.490E+03	4.103E+03	0.11
	FORE	2	-1.758E+03	4.523E+02	1.615E+02		
			-1.432E+03	0.000E+00	-1.490E+03	4.220E+03	0.12
	FORE	3	-1.758E+03	4.523E+02	1.615E+02		
			-1.432E+03	0.000E+00	1.490E+03	3.045E+03	0.08
102	FORE	1	0.000E+00	4.329E+02	1.503E+02		
			-1.513E+03	-8.359E+02	-2.017E+03	4.366E+03	0.12
	FORE	2	-7.616E+03	4.329E+02	1.503E+02		
			-1.513E+03	0.000E+00	-2.017E+03	1.366E+04	0.38
	FORE	3	-7.616E+03	4.329E+02	1.503E+02		
			-1.513E+03	0.000E+00	2.017E+03	1.320E+04	0.37
103	AFT	1	1.995E+01	-3.465E+01	-3.606E+01		
			-5.339E+01	-2.083E+02	-2.959E+02	5.575E+02	0.01

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
104	FORE	1	0.000E+00	5.100E+02	2.364E+02		
			-1.444E+03	4.142E+02	-8.250E+02	2.683E+03	0.07
	FORE	2	4.661E+03	5.100E+02	2.364E+02		
			-1.444E+03	0.000E+00	-8.250E+02	8.385E+03	0.23
	FORE	3	4.661E+03	5.100E+02	2.364E+02		
			-1.444E+03	0.000E+00	8.250E+02	8.096E+03	0.22
105	FORE	1	0.000E+00	3.586E+02	6.953E+01		
			-1.487E+03	-1.427E+02	-1.564E+03	3.193E+03	0.09
	FORE	2	-7.817E+02	3.586E+02	6.953E+01		
			-1.487E+03	0.000E+00	-1.564E+03	3.338E+03	0.09
	FORE	3	-7.817E+02	3.586E+02	6.953E+01		
			-1.487E+03	0.000E+00	1.564E+03	1.356E+03	0.04
106	AFT	1	0.000E+00	-9.116E+00	-4.708E+01		
			-6.904E+02	-2.929E+02	-8.945E+02	1.878E+03	0.05
	AFT	2	-3.101E+03	-9.116E+00	-4.708E+01		
			-6.904E+02	0.000E+00	-8.945E+02	5.600E+03	0.16
	AFT	3	-3.101E+03	-9.116E+00	-4.708E+01		
			-6.904E+02	0.000E+00	8.945E+02	5.375E+03	0.15
107	FORE	1	0.000E+00	8.875E+01	2.299E+01		
			-1.118E+03	-4.048E+02	-1.473E+03	2.996E+03	0.08
	FORE	2	2.794E+03	8.875E+01	2.299E+01		
			-1.118E+03	0.000E+00	-1.473E+03	5.489E+03	0.15
	FORE	3	2.794E+03	8.875E+01	2.299E+01		
			-1.118E+03	0.000E+00	1.473E+03	4.852E+03	0.13
110	FORE	1	1.817E+02	-1.373E+02	4.683E+00		
			6.561E+00	-1.978E+01	3.527E+02	3.790E+02	0.01
111	FORE	1	2.031E+01	4.324E+01	-5.685E+00		
			-2.269E+00	3.396E+00	-4.430E+02	4.487E+02	0.01
112	FORE	1	3.225E+01	-3.386E+01	-1.186E+02		
			-1.089E+01	3.162E+02	6.752E+01	3.946E+02	0.01
113	AFT	1	1.734E+01	5.406E+00	4.939E+00		
			3.080E+01	1.154E+02	4.513E+01	1.914E+02	0.01
114	FORE	1	-1.608E+02	1.245E+02	-1.576E+01		
			2.113E+01	-3.771E+01	-3.156E+02	3.744E+02	0.01
115	FORE	1	-2.173E+01	3.905E+01	1.425E+01		
			3.537E+00	-1.215E+02	-3.921E+02	5.171E+02	0.01
116	AFT	1	-7.030E+00	2.546E+01	-7.650E+01		
			3.788E+01	-1.661E+02	7.449E+00	2.114E+02	0.01

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
117	FORE	1	-6.831E+00	8.366E+00	2.727E+01		
			2.169E+01	-2.619E+02	-1.713E+01	3.007E+02	0.01
118	AFT	1	-3.013E+01	2.882E+01	1.118E+00		
			-2.957E+01	2.523E+01	1.457E+02	2.005E+02	0.00
119	AFT	1	0.000E+00	-1.752E+02	-2.024E+01		
			-6.640E+02	-5.188E+02	-1.086E+03	2.269E+03	0.06
	AFT	2	4.303E+03	-1.752E+02	-2.024E+01		
			-6.640E+02	0.000E+00	-1.086E+03	7.656E+03	0.21
	AFT	3	4.303E+03	-1.752E+02	-2.024E+01		
			-6.640E+02	0.000E+00	1.086E+03	7.466E+03	0.21
120	AFT	1	0.000E+00	-4.552E+01	-7.482E+01		
			-1.106E+03	-6.039E+02	-1.464E+03	3.174E+03	0.09
	AFT	2	3.138E+03	-4.552E+01	-7.482E+01		
			-1.106E+03	0.000E+00	-1.464E+03	6.012E+03	0.17
	AFT	3	3.138E+03	-4.552E+01	-7.482E+01		
			-1.106E+03	0.000E+00	1.464E+03	5.446E+03	0.15
157	FORE	1	0.000E+00	7.586E+02	2.100E+02		
			-1.079E+03	-6.270E+02	-1.459E+03	3.165E+03	0.09
	FORE	2	-5.648E+03	7.586E+02	2.100E+02		
			-1.079E+03	0.000E+00	-1.459E+03	1.011E+04	0.28
	FORE	3	-5.648E+03	7.586E+02	2.100E+02		
			-1.079E+03	0.000E+00	1.459E+03	9.790E+03	0.27
158	FORE	1	0.000E+00	3.096E+02	1.515E+02		
			-6.528E+02	-4.989E+02	-1.091E+03	2.242E+03	0.06
	FORE	2	-2.133E+03	3.096E+02	1.515E+02		
			-6.528E+02	0.000E+00	-1.091E+03	4.086E+03	0.11
	FORE	3	-2.133E+03	3.096E+02	1.515E+02		
			-6.528E+02	0.000E+00	1.091E+03	3.721E+03	0.10
159	FORE	1	1.146E+01	-6.560E+01	-2.007E+01		
			-1.928E+01	6.471E+01	3.361E+02	4.201E+02	0.01
160	AFT	1	0.000E+00	-1.568E+02	-1.492E+02		
			-7.809E+02	-3.386E+02	-4.922E+02	1.612E+03	0.04
	AFT	2	-3.637E+03	-1.568E+02	-1.492E+02		
			-7.809E+02	0.000E+00	-4.922E+02	6.426E+03	0.18
	AFT	3	-3.637E+03	-1.568E+02	-1.492E+02		
			-7.809E+02	0.000E+00	4.922E+02	6.306E+03	0.18
161	FORE	1	0.000E+00	3.206E+02	7.584E+01		
			-3.265E+02	-1.035E+03	-1.364E+03	2.726E+03	0.08
	FORE	2	-5.579E+03	3.206E+02	7.584E+01		
			-3.265E+02	0.000E+00	-1.364E+03	9.810E+03	0.27
	FORE	3	-5.579E+03	3.206E+02	7.584E+01		
			-3.265E+02	0.000E+00	1.364E+03	9.719E+03	0.27

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
164	AFT	1	0.000E+00	-3.625E+02	-1.174E+02		
			-7.839E+02	-8.269E+02	-8.327E+02	2.443E+03	0.07
	AFT	2	-9.952E+03	-3.625E+02	-1.174E+02		
			-7.839E+02	0.000E+00	-8.327E+02	1.731E+04	0.48
	AFT	3	-9.952E+03	-3.625E+02	-1.174E+02		
			-7.839E+02	0.000E+00	8.327E+02	1.724E+04	0.48
165	FORE	1	0.000E+00	2.070E+02	-4.788E+01		
			-2.718E+02	2.769E+02	-9.305E+02	1.479E+03	0.04
	FORE	2	-2.488E+03	2.070E+02	-4.788E+01		
			-2.718E+02	0.000E+00	-9.305E+02	4.475E+03	0.12
	FORE	3	-2.488E+03	2.070E+02	-4.788E+01		
			-2.718E+02	0.000E+00	9.305E+02	4.360E+03	0.12
166	FORE	1	8.069E+01	6.176E+01	-4.242E+00		
			4.976E+01	3.822E+01	-4.144E+02	5.024E+02	0.01
167	FORE	1	-9.550E+01	5.173E+01	2.936E+01		
			-2.563E+00	-6.205E+01	-1.221E+02	1.867E+02	0.00
168	FORE	1	1.180E+02	-8.468E+01	-8.634E+01		
			-2.355E+01	2.923E+02	1.942E+02	5.101E+02	0.01
169	FORE	1	-8.765E+01	6.188E+01	-1.462E+02		
			3.130E+01	2.630E+02	-1.803E+02	4.746E+02	0.01
170	FORE	1	1.702E+01	-5.265E+01	-6.331E+01		
			-3.538E+01	2.382E+02	1.344E+02	4.080E+02	0.01
171	FORE	1	-1.476E+01	1.556E+01	-3.085E+00		
			-9.539E+00	4.062E+01	-2.328E+02	2.830E+02	0.01
172	FORE	1	1.280E+01	1.886E+01	2.129E+01		
			4.024E+01	-2.186E+02	-2.136E+02	4.724E+02	0.01
173	AFT	1	5.757E+00	1.292E+01	2.172E+01		
			1.419E+01	2.830E+02	2.024E+02	4.995E+02	0.01
174	FORE	1	3.276E+01	2.638E+01	1.569E+01		
			2.328E+01	-9.072E+01	-2.878E+02	4.018E+02	0.01
181	FORE	1	0.000E+00	2.146E+02	8.699E+01		
			-7.895E+02	-1.042E+03	-7.815E+02	2.613E+03	0.07
	FORE	2	-1.354E+04	2.146E+02	8.699E+01		
			-7.895E+02	0.000E+00	-7.815E+02	2.350E+04	0.65
	FORE	3	-1.354E+04	2.146E+02	8.699E+01		
			-7.895E+02	0.000E+00	7.815E+02	2.345E+04	0.65
182	FORE	1	0.000E+00	3.949E+02	1.866E+01		
			-2.564E+02	-1.933E+02	-7.374E+02	1.187E+03	0.03
	FORE	2	-7.334E+03	3.949E+02	1.866E+01		
			-2.564E+02	0.000E+00	-7.374E+02	1.274E+04	0.35
	FORE	3	-7.334E+03	3.949E+02	1.866E+01		
			-2.564E+02	0.000E+00	7.374E+02	1.271E+04	0.35

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
183	AFT	1	1.204E+02	-3.446E+00	3.437E+01		
			8.075E+01	2.819E+02	6.937E+00	3.696E+02	0.01
184	FORE	1	0.000E+00	2.348E+02	1.877E+02		
			-7.825E+02	-1.898E+02	-4.199E+02	1.392E+03	0.04
	FORE	2	-1.244E+04	2.348E+02	1.877E+02		
			-7.825E+02	0.000E+00	-4.199E+02	2.158E+04	0.60
	FORE	3	-1.244E+04	2.348E+02	1.877E+02		
			-7.825E+02	0.000E+00	4.199E+02	2.155E+04	0.60
185	FORE	1	0.000E+00	3.337E+02	-9.657E+01		
			-2.568E+02	-2.788E+02	-3.063E+02	8.419E+02	0.02
	FORE	2	-1.583E+04	3.337E+02	-9.657E+01		
			-2.568E+02	0.000E+00	-3.063E+02	2.742E+04	0.76
	FORE	3	-1.583E+04	3.337E+02	-9.657E+01		
			-2.568E+02	0.000E+00	3.063E+02	2.741E+04	0.76
186	FORE	1	0.000E+00	3.366E+02	7.918E+01		
			-3.217E+02	-8.122E+02	-8.631E+02	1.997E+03	0.06
	FORE	2	-1.003E+04	3.366E+02	7.918E+01		
			-3.217E+02	0.000E+00	-8.631E+02	1.740E+04	0.48
	FORE	3	-1.003E+04	3.366E+02	7.918E+01		
			-3.217E+02	0.000E+00	8.631E+02	1.737E+04	0.48
187	FORE	1	0.000E+00	2.308E+02	-2.022E+01		
			-6.586E+01	4.752E+02	-5.248E+02	1.066E+03	0.03
	FORE	2	-2.280E+03	2.308E+02	-2.022E+01		
			-6.586E+01	0.000E+00	-5.248E+02	3.992E+03	0.11
	FORE	3	-2.280E+03	2.308E+02	-2.022E+01		
			-6.586E+01	0.000E+00	5.248E+02	3.975E+03	0.11
190	FORE	1	0.000E+00	4.288E+01	1.301E+01		
			-2.991E+02	-1.808E+02	-3.247E+02	8.046E+02	0.02
	FORE	2	-1.270E+04	4.288E+01	1.301E+01		
			-2.991E+02	0.000E+00	-3.247E+02	2.200E+04	0.61
	FORE	3	-1.270E+04	4.288E+01	1.301E+01		
			-2.991E+02	0.000E+00	3.247E+02	2.199E+04	0.61
191	FORE	1	0.000E+00	1.956E+02	1.863E+01		
			-6.690E+01	-7.168E+01	-2.751E+02	4.137E+02	0.01
	FORE	2	-4.295E+03	1.956E+02	1.863E+01		
			-6.690E+01	0.000E+00	-2.751E+02	7.446E+03	0.21
	FORE	3	-4.295E+03	1.956E+02	1.863E+01		
			-6.690E+01	0.000E+00	2.751E+02	7.442E+03	0.21

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
192	FORE	1	1.057E+02	-2.944E+01	-2.832E+01		
			-2.203E+01	2.276E+02	1.440E+02	3.935E+02	0.01
193	FORE	1	-1.435E+02	7.561E+01	4.726E+01		
			5.370E+01	-3.375E+02	-1.868E+02	5.781E+02	0.01
194	FORE	1	2.424E+01	-4.151E+01	-1.440E+02		
			-4.082E+01	4.480E+02	1.132E+02	6.019E+02	0.01
195	FORE	1	-6.693E+01	2.607E+01	-1.811E+02		
			2.842E+01	3.404E+02	-4.968E+01	4.185E+02	0.01
196	AFT	1	-2.475E+01	-1.204E+01	-2.390E+01		
			2.106E+01	-1.270E+02	5.276E+00	1.533E+02	0.00
197	FORE	1	-1.831E+01	2.393E+01	3.722E+01		
			-1.480E+01	-3.137E+02	-3.496E+02	6.781E+02	0.02
198	AFT	1	-1.186E+00	1.084E+01	2.496E+01		
			3.656E+01	3.629E+02	1.399E+02	5.393E+02	0.01
199	FORE	1	-1.745E+01	7.611E+00	1.904E+01		
			4.995E+01	-2.486E+02	-1.630E+02	4.615E+02	0.01
200	FORE	1	-4.882E+00	3.956E+00	-1.514E+01		
			6.813E+00	2.002E+02	6.042E+01	2.674E+02	0.01
207	FORE	1	0.000E+00	2.532E+02	8.752E+01		
			-2.852E+02	-3.783E+02	-2.495E+02	9.130E+02	0.03
	FORE	2	-1.407E+04	2.532E+02	8.752E+01		
			-2.852E+02	0.000E+00	-2.495E+02	2.437E+04	0.68
	FORE	3	-1.407E+04	2.532E+02	8.752E+01		
			-2.852E+02	0.000E+00	2.495E+02	2.437E+04	0.68
208	AFT	1	0.000E+00	2.249E+02	2.902E+01		
			-5.166E+01	2.156E+02	1.014E+02	3.686E+02	0.01
	AFT	2	-5.052E+03	2.249E+02	2.902E+01		
			-5.166E+01	0.000E+00	1.014E+02	8.750E+03	0.24
	AFT	3	-5.052E+03	2.249E+02	2.902E+01		
			-5.166E+01	0.000E+00	-1.014E+02	8.751E+03	0.24
209	AFT	1	0.000E+00	2.388E+02	1.596E+02		
			-2.722E+02	8.292E+02	2.194E+02	1.321E+03	0.04
	AFT	2	-8.605E+03	2.388E+02	1.596E+02		
			-2.722E+02	0.000E+00	2.194E+02	1.490E+04	0.41
	AFT	3	-8.605E+03	2.388E+02	1.596E+02		
			-2.722E+02	0.000E+00	-2.194E+02	1.491E+04	0.41
210	AFT	1	0.000E+00	1.939E+02	-5.919E+01		
			-6.239E+01	-3.422E+02	2.058E+02	6.104E+02	0.02
	AFT	2	-1.245E+04	1.939E+02	-5.919E+01		
			-6.239E+01	0.000E+00	2.058E+02	2.156E+04	0.60
	AFT	3	-1.245E+04	1.939E+02	-5.919E+01		
			-6.239E+01	0.000E+00	-2.058E+02	2.156E+04	0.60

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
211	FORE	1	0.000E+00	2.698E+02	8.991E+01		
			-7.870E+00	-7.963E+02	-3.996E+02	1.204E+03	0.03
	FORE	2	-6.093E+03	2.698E+02	8.991E+01		
			-7.870E+00	0.000E+00	-3.996E+02	1.056E+04	0.29
	FORE	3	-6.093E+03	2.698E+02	8.991E+01		
			-7.870E+00	0.000E+00	3.996E+02	1.056E+04	0.29
212	AFT	1	0.000E+00	3.619E+01	-3.179E+01		
			1.122E+00	1.792E+02	8.505E+01	2.653E+02	0.01
	AFT	2	-6.129E+02	3.619E+01	-3.179E+01		
			1.122E+00	0.000E+00	8.505E+01	1.065E+03	0.03
	AFT	3	-6.129E+02	3.619E+01	-3.179E+01		
			1.122E+00	0.000E+00	-8.505E+01	1.065E+03	0.03
215	FORE	1	0.000E+00	3.558E+00	1.260E+00		
			-1.663E-01	-2.381E+00	-7.280E-01	3.276E+00	0.00
	FORE	2	2.769E-11	3.558E+00	1.260E+00		
			-1.663E-01	0.000E+00	-7.280E-01	8.942E-01	0.00
	FORE	3	2.769E-11	3.558E+00	1.260E+00		
			-1.663E-01	0.000E+00	7.280E-01	5.617E-01	0.00
216	FORE	1	0.000E+00	7.316E+00	2.592E+00		
			-3.443E-01	-1.007E+01	-3.078E+00	1.349E+01	0.00
	FORE	2	1.038E-10	7.316E+00	2.592E+00		
			-3.443E-01	0.000E+00	-3.078E+00	3.422E+00	0.00
	FORE	3	1.038E-10	7.316E+00	2.592E+00		
			-3.443E-01	0.000E+00	3.078E+00	2.734E+00	0.00
217	FORE	1	7.050E+01	-9.862E+00	-4.613E+01		
			-2.266E+01	3.694E+02	6.057E+01	4.526E+02	0.01
218	FORE	1	9.046E+01	-2.976E+01	-5.164E+00		
			5.326E+01	1.917E+02	1.812E+02	4.262E+02	0.01
219	FORE	1	-7.019E+01	3.099E+01	-4.789E+00		
			5.848E+01	-2.408E+02	-7.826E+01	3.775E+02	0.01
220	FORE	1	-1.853E+01	-1.100E+01	-1.349E+02		
			-2.043E+01	3.396E+02	3.872E+01	3.988E+02	0.01
221	AFT	1	-4.077E+01	8.329E+00	-1.340E+02		
			4.423E+01	-2.314E+02	1.095E+01	2.865E+02	0.01
222	AFT	1	-1.945E+01	-1.868E+00	-4.339E+01		
			1.519E+01	-1.159E+02	1.991E+00	1.331E+02	0.00
223	FORE	1	-5.951E+00	9.835E+00	4.055E+01		
			-1.705E-01	-3.890E+02	-1.707E+02	5.599E+02	0.02

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
224	AFT	1	-8.647E+00	2.648E+00	9.985E+00		
			3.364E+01	2.411E+02	9.526E+01	3.700E+02	0.01
225	FORE	1	-9.798E+00	2.659E+00	3.186E+01		
			3.799E+01	-3.649E+02	-9.904E+01	5.019E+02	0.01
226	FORE	1	-1.857E+00	6.164E-01	-1.089E+01		
			1.233E+01	1.827E+02	4.750E+01	2.425E+02	0.01
233	FORE	1	0.000E+00	7.258E+02	1.827E+02		
			-1.051E+03	3.449E+02	-6.598E+02	2.055E+03	0.06
	FORE	2	-3.509E+03	7.258E+02	1.827E+02		
			-1.051E+03	0.000E+00	-6.598E+02	6.315E+03	0.18
	FORE	3	-3.509E+03	7.258E+02	1.827E+02		
			-1.051E+03	0.000E+00	6.598E+02	6.091E+03	0.17
234	AFT	1	0.000E+00	3.050E+02	1.656E+02		
			-6.703E+02	1.501E+03	-5.406E+02	2.712E+03	0.08
	AFT	2	-8.971E+02	3.050E+02	1.656E+02		
			-6.703E+02	0.000E+00	-5.406E+02	1.970E+03	0.05
	AFT	3	-8.971E+02	3.050E+02	1.656E+02		
			-6.703E+02	0.000E+00	5.406E+02	1.559E+03	0.04
237	FORE	1	4.035E+01	4.757E+02	-9.485E+00		
			9.538E+02	4.894E+02	-1.621E+03	3.064E+03	0.07
238	FORE	1	5.693E+01	2.095E+02	-4.578E+01		
			7.224E+02	6.132E+02	-1.679E+03	3.015E+03	0.07
239	FORE	1	1.111E+02	7.301E+01	-1.249E+02		
			1.102E+02	5.803E+02	-1.061E+03	1.752E+03	0.04
240	FORE	1	8.735E+01	1.162E+02	-4.884E+01		
			6.494E+01	3.721E+02	-1.353E+03	1.790E+03	0.04
241	FORE	1	0.000E+00	-2.998E+00	-3.290E+00		
			3.762E+01	1.106E+02	2.219E+01	1.704E+02	0.00
	FORE	2	5.707E+01	-2.998E+00	-3.290E+00		
			3.762E+01	-1.470E+02	0.000E+00	1.474E+02	0.00
	FORE	3	0.000E+00	-2.998E+00	-3.290E+00		
			3.762E+01	1.106E+02	-2.219E+01	1.260E+02	0.00
242	FORE	1	0.000E+00	1.384E+01	-4.294E+00		
			4.495E+02	1.286E+02	-6.034E+02	2.528E+01	0.00
	FORE	2	-1.814E+02	1.384E+01	-4.294E+00		
			4.495E+02	-1.710E+02	0.000E+00	4.199E+02	0.01
	FORE	3	0.000E+00	1.384E+01	-4.294E+00		
			4.495E+02	1.286E+02	6.034E+02	1.182E+03	0.03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
243	AFT	1	0.000E+00	3.920E-01	1.050E+01		
			4.443E+02	3.382E+02	-3.781E+01	7.447E+02	0.02
	AFT	2	-2.772E+01	3.920E-01	1.050E+01		
			4.443E+02	-4.497E+02	0.000E+00	4.832E+01	0.00
	AFT	3	0.000E+00	3.920E-01	1.050E+01		
			4.443E+02	3.382E+02	3.781E+01	8.203E+02	0.02
244	AFT	1	0.000E+00	7.630E+00	3.429E+00		
			3.947E+01	1.320E+02	8.351E+01	2.550E+02	0.01
	AFT	2	-6.514E+01	7.630E+00	3.429E+00		
			3.947E+01	-1.755E+02	0.000E+00	1.767E+02	0.00
	AFT	3	0.000E+00	7.630E+00	3.429E+00		
			3.947E+01	1.320E+02	-8.351E+01	8.796E+01	0.00
245	FORE	1	-4.581E+01	7.468E+00	3.807E+01		
			4.700E+00	-3.136E+02	-5.743E+01	3.757E+02	0.01
246	AFT	1	-4.513E+00	1.371E+02	-4.506E+01		
			1.432E+02	-1.172E+02	6.535E+02	9.139E+02	0.02
247	FORE	1	-3.489E+00	9.001E+01	-4.215E+01		
			6.750E+01	2.490E+02	-7.995E+02	1.116E+03	0.03
248	FORE	1	9.028E+00	4.382E+00	1.184E+01		
			-2.313E+00	-5.912E+01	-6.017E+01	1.216E+02	0.00
249	AFT	1	-4.743E+00	-4.780E+00	-1.172E+01		
			-5.289E+00	-3.510E+01	-8.628E+00	4.901E+01	0.00
250	FORE	1	0.000E+00	-5.829E+00	5.214E-01		
			3.678E+01	-1.977E+01	1.413E+02	1.583E+02	0.00
	FORE	2	7.433E+01	-5.829E+00	5.214E-01		
			3.678E+01	2.629E+01	0.000E+00	1.434E+02	0.00
	FORE	3	0.000E+00	-5.829E+00	5.214E-01		
			3.678E+01	-1.977E+01	-1.413E+02	1.243E+02	0.00
251	FORE	1	0.000E+00	9.485E+00	2.147E-02		
			3.826E+01	-3.029E+00	-3.062E+02	2.710E+02	0.01
	FORE	2	-1.075E+02	9.485E+00	2.147E-02		
			3.826E+01	4.028E+00	0.000E+00	1.910E+02	0.01
	FORE	3	0.000E+00	9.485E+00	2.147E-02		
			3.826E+01	-3.029E+00	3.062E+02	3.415E+02	0.01
252	FORE	1	0.000E+00	-1.586E+00	3.947E-01		
			3.748E+01	-5.131E+01	3.131E+01	1.747E+01	0.00
	FORE	2	1.322E+01	-1.586E+00	3.947E-01		
			3.748E+01	6.823E+01	0.000E+00	1.082E+02	0.00
	FORE	3	0.000E+00	-1.586E+00	3.947E-01		
			3.748E+01	-5.131E+01	-3.131E+01	4.514E+01	0.00

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
253	AFT	1	0.000E+00	2.356E+00	3.737E+00		
			3.619E+01	1.106E+02	2.052E+01	1.673E+02	0.00
	AFT	2	-3.294E+01	2.356E+00	3.737E+00		
			3.619E+01	-1.471E+02	0.000E+00	1.247E+02	0.00
	AFT	3	0.000E+00	2.356E+00	3.737E+00		
			3.619E+01	1.106E+02	-2.052E+01	1.263E+02	0.00
254	AFT	1	1.877E+01	4.447E+00	8.419E-01		
			-9.879E+00	-1.170E+01	5.380E+01	7.538E+01	0.00
255	FORE	1	0.000E+00	-5.882E-12	5.004E-12		
			-1.175E-03	-2.558E-12	7.860E-12	1.175E-03	0.00
256	FORE	1	0.000E+00	-1.825E-12	2.085E-13		
			-1.175E-03	-4.004E-12	4.323E-12	1.175E-03	0.00
260	FORE	1	-1.253E+02	-7.544E+00	-7.247E+01		
			-2.537E+01	5.177E+02	1.232E+02	6.663E+02	0.02
261	FORE	1	8.656E+01	4.362E+02	-8.428E+01		
			8.805E+02	9.111E+02	-3.617E+03	5.409E+03	0.13
262	FORE	1	5.862E+01	2.706E+02	8.305E+01		
			7.522E+02	7.210E+02	-2.704E+03	4.177E+03	0.10
263	FORE	1	0.000E+00	-2.993E+03	7.663E+00		
			-5.485E+02	-1.293E+01	1.346E+03	1.907E+03	0.05
	FORE	2	8.500E+03	-2.993E+03	7.663E+00		
			-5.485E+02	0.000E+00	1.346E+03	1.474E+04	0.41
	FORE	3	8.500E+03	-2.993E+03	7.663E+00		
			-5.485E+02	0.000E+00	-1.346E+03	1.484E+04	0.41
264	AFT	1	0.000E+00	-1.433E+03	-1.203E+02		
			-3.774E+02	-7.665E+02	-5.182E+02	1.662E+03	0.05
	AFT	2	3.854E+02	-1.433E+03	-1.203E+02		
			-3.774E+02	0.000E+00	-5.182E+02	1.117E+03	0.03
	AFT	3	3.854E+02	-1.433E+03	-1.203E+02		
			-3.774E+02	0.000E+00	5.182E+02	6.822E+02	0.02
265	FORE	1	8.166E+01	3.239E+00	-7.599E+01		
			1.275E+03	1.129E+03	-2.122E+03	4.526E+03	0.11
266	AFT	1	1.182E+02	-2.735E+01	-4.713E+01		
			9.401E+02	7.148E+02	-2.045E+03	3.700E+03	0.09
267	AFT	1	-5.129E+01	4.610E+01	1.014E+01		
			-1.473E+02	5.620E+01	3.356E+02	5.391E+02	0.01
268	FORE	1	-3.956E+01	1.291E+02	1.349E+02		
			1.344E+03	8.304E+02	-2.540E+03	4.714E+03	0.11
269	AFT	1	-4.628E+00	7.608E+00	1.136E+02		
			8.743E+02	9.764E+02	-1.845E+03	3.695E+03	0.09

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
270	FORE	1	0.000E+00	6.723E+02	-9.624E+01		
			-5.214E+02	3.875E+02	-4.048E+02	1.314E+03	0.04
	FORE	2	9.695E+02	6.723E+02	-9.624E+01		
			-5.214E+02	0.000E+00	-4.048E+02	1.918E+03	0.05
	FORE	3	9.695E+02	6.723E+02	-9.624E+01		
			-5.214E+02	0.000E+00	4.048E+02	1.683E+03	0.05
271	FORE	1	0.000E+00	2.356E+03	-7.726E+01		
			-4.272E+02	2.724E+02	-9.526E+02	1.652E+03	0.05
	FORE	2	8.585E+01	2.356E+03	-7.726E+01		
			-4.272E+02	0.000E+00	-9.526E+02	1.388E+03	0.04
	FORE	3	8.585E+01	2.356E+03	-7.726E+01		
			-4.272E+02	0.000E+00	9.526E+02	5.460E+02	0.02
272	AFT	1	4.648E+01	-2.825E+02	3.072E+01		
			1.255E+03	8.148E+02	-2.940E+03	5.010E+03	0.12
273	AFT	1	6.024E+01	-3.296E+02	2.997E+01		
			5.635E+02	7.031E+02	-3.017E+03	4.283E+03	0.10
274	AFT	1	-8.846E+00	2.464E+01	3.281E+01		
			-2.282E-05	2.568E+02	1.668E+02	4.235E+02	0.01
275	FORE	1	-2.152E+01	5.588E+02	4.762E+00		
			2.049E+02	5.470E+02	-4.926E+02	1.245E+03	0.03
276	FORE	1	-1.922E+00	3.478E+01	7.178E+00		
			3.554E+02	4.163E+02	-1.920E+02	9.637E+02	0.02
277	AFT	1	0.000E+00	7.240E+02	4.579E+01		
			-1.025E+03	5.800E+02	5.992E+02	2.205E+03	0.06
	AFT	2	4.004E+02	7.240E+02	4.579E+01		
			-1.025E+03	0.000E+00	5.992E+02	8.140E+02	0.02
	AFT	3	4.004E+02	7.240E+02	4.579E+01		
			-1.025E+03	0.000E+00	-5.992E+02	1.766E+03	0.05
278	AFT	1	0.000E+00	1.090E+03	3.691E+01		
			-7.989E+02	4.953E+02	1.052E+03	2.346E+03	0.07
	AFT	2	5.204E+01	1.090E+03	3.691E+01		
			-7.989E+02	0.000E+00	1.052E+03	2.687E+02	0.01
	AFT	3	5.204E+01	1.090E+03	3.691E+01		
			-7.989E+02	0.000E+00	-1.052E+03	1.853E+03	0.05
279	AFT	1	4.825E+01	1.526E+01	-1.387E+01		
			2.355E+02	5.084E+01	6.209E+02	9.073E+02	0.02
280	AFT	1	6.862E+00	2.000E+01	-4.759E+00		
			6.209E+02	6.067E+01	6.026E+02	1.284E+03	0.03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
281	AFT	1	8.619E-01	-5.086E+01	3.848E+01		
			-8.824E+00	3.923E+02	-9.434E+02	1.345E+03	0.03
282	AFT	1	-9.859E-01	-7.193E+01	4.169E+01		
			-9.711E+01	3.481E+02	-1.093E+03	1.538E+03	0.04
295	AFT	1	0.000E+00	-1.771E+01	1.340E+01		
			5.680E+02	6.728E+02	-2.046E+02	1.036E+03	0.03
	AFT	2	1.360E+02	-1.771E+01	1.340E+01		
			5.680E+02	-8.946E+02	0.000E+00	4.026E+02	0.01
	AFT	3	0.000E+00	-1.771E+01	1.340E+01		
			5.680E+02	6.728E+02	2.046E+02	1.445E+03	0.04
296	AFT	1	0.000E+00	-3.194E-01	1.061E+01		
			3.946E+02	4.164E+02	4.686E+01	8.579E+02	0.02
	AFT	2	7.115E+01	-3.194E-01	1.061E+01		
			3.946E+02	-5.537E+02	0.000E+00	2.012E+02	0.01
	AFT	3	0.000E+00	-3.194E-01	1.061E+01		
			3.946E+02	4.164E+02	-4.686E+01	7.642E+02	0.02
297	FORE	1	0.000E+00	1.577E+01	8.075E+00		
			4.030E+02	-1.336E+02	-6.765E+02	4.071E+02	0.01
	FORE	2	-1.311E+02	1.577E+01	8.075E+00		
			4.030E+02	1.777E+02	0.000E+00	6.235E+02	0.02
	FORE	3	0.000E+00	1.577E+01	8.075E+00		
			4.030E+02	-1.336E+02	6.765E+02	9.458E+02	0.03
298	FORE	1	0.000E+00	8.066E+00	3.049E-01		
			5.639E+02	3.879E+01	-6.759E+02	7.314E+01	0.00
	FORE	2	-1.411E+02	8.066E+00	3.049E-01		
			5.639E+02	-5.158E+01	0.000E+00	5.677E+02	0.02
	FORE	3	0.000E+00	8.066E+00	3.049E-01		
			5.639E+02	3.879E+01	6.759E+02	1.279E+03	0.04
299	FORE	1	0.000E+00	-6.946E+00	-6.245E-01		
			-3.238E+02	3.612E+02	7.189E+01	1.093E+02	0.00
	FORE	2	1.481E+01	-6.946E+00	-6.245E-01		
			-3.238E+02	-4.803E+02	0.000E+00	8.045E+02	0.02
	FORE	3	0.000E+00	-6.946E+00	-6.245E-01		
			-3.238E+02	3.612E+02	-7.189E+01	3.452E+01	0.00
300	AFT	1	0.000E+00	5.714E-01	5.514E+00		
			1.262E+03	3.724E+02	1.020E+01	1.644E+03	0.05
	AFT	2	6.138E+01	5.714E-01	5.514E+00		
			1.262E+03	-4.951E+02	0.000E+00	7.737E+02	0.02
	AFT	3	0.000E+00	5.714E-01	5.514E+00		
			1.262E+03	3.724E+02	-1.020E+01	1.624E+03	0.05

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
301	AFT	1	0.000E+00	3.354E+00	4.354E+00		
			1.265E+03	1.408E+02	-2.156E+02	1.191E+03	0.03
	AFT	2	-1.539E+01	3.354E+00	4.354E+00		
			1.265E+03	-1.872E+02	0.000E+00	1.079E+03	0.03
	AFT	3	0.000E+00	3.354E+00	4.354E+00		
			1.265E+03	1.408E+02	2.156E+02	1.622E+03	0.05
302	FORE	1	0.000E+00	2.105E+00	1.179E+00		
			-3.254E+02	5.536E+00	-2.825E+02	6.024E+02	0.02
	FORE	2	-5.010E+01	2.105E+00	1.179E+00		
			-3.254E+02	-7.361E+00	0.000E+00	3.439E+02	0.01
	FORE	3	0.000E+00	2.105E+00	1.179E+00		
			-3.254E+02	5.536E+00	2.825E+02	3.737E+01	0.00
303	FORE	1	0.000E+00	1.409E+00	-8.157E-01		
			-1.205E+00	1.553E+02	-5.548E+01	9.861E+01	0.00
	FORE	2	-3.325E+01	1.409E+00	-8.157E-01		
			-1.205E+00	-2.065E+02	0.000E+00	2.155E+02	0.01
	FORE	3	0.000E+00	1.409E+00	-8.157E-01		
			-1.205E+00	1.553E+02	5.548E+01	2.096E+02	0.01
304	FORE	1	0.000E+00	4.227E+00	9.332E-01		
			6.695E-01	9.208E+01	-1.389E+02	4.613E+01	0.00
	FORE	2	-2.714E+01	4.227E+00	9.332E-01		
			6.695E-01	-1.224E+02	0.000E+00	1.305E+02	0.00
	FORE	3	0.000E+00	4.227E+00	9.332E-01		
			6.695E-01	9.208E+01	1.389E+02	2.316E+02	0.01
305	AFT	1	0.000E+00	-4.812E-01	-1.789E-01		
			-6.659E-01	-1.054E+01	-8.804E+01	9.924E+01	0.00
	AFT	2	8.013E+00	-4.812E-01	-1.789E-01		
			-6.659E-01	1.401E+01	0.000E+00	1.925E+01	0.00
	AFT	3	0.000E+00	-4.812E-01	-1.789E-01		
			-6.659E-01	-1.054E+01	8.804E+01	7.684E+01	0.00
306	FORE	1	0.000E+00	4.210E-01	4.023E-01		
			1.204E+00	-2.140E+01	-8.220E+01	1.024E+02	0.00
	FORE	2	-1.268E+01	4.210E-01	4.023E-01		
			1.204E+00	2.845E+01	0.000E+00	3.690E+01	0.00
	FORE	3	0.000E+00	4.210E-01	4.023E-01		
			1.204E+00	-2.140E+01	8.220E+01	6.200E+01	0.00

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
307	AFT	1	1.204E+02	-1.264E+01	1.775E+01		
			7.411E+01	8.045E+01	6.908E+01	2.236E+02	0.01
308	AFT	1	-1.623E+01	-4.218E+02	1.155E+02		
			8.400E+02	4.467E+02	-1.963E+03	3.250E+03	0.08
309	FORE	1	-2.892E+01	-4.933E+02	3.065E+00		
			5.836E+02	-1.788E+01	1.596E+03	2.197E+03	0.05
310	FORE	1	-1.394E+01	1.043E+02	-3.354E+01		
			4.041E+02	4.834E+02	-1.559E+03	2.447E+03	0.06
311	FORE	1	1.257E+01	2.790E+01	2.761E+01		
			4.371E+02	9.156E+01	-8.687E+02	1.397E+03	0.03
312	FORE	1	2.009E+01	1.538E+02	-8.750E+01		
			2.473E+02	3.488E+02	-1.280E+03	1.876E+03	0.04
313	FORE	1	-4.101E+00	1.447E+02	-5.734E+01		
			6.274E+01	3.089E+02	-1.197E+03	1.569E+03	0.04
314	AFT	1	-1.045E+01	2.431E+02	1.013E+02		
			3.130E+02	1.244E+02	9.656E+02	1.403E+03	0.03
315	AFT	1	-4.032E+01	3.502E+01	-1.158E+01		
			-6.061E+01	-1.344E+02	2.888E+02	4.838E+02	0.01
316	FORE	1	-9.319E+01	-1.167E+01	1.116E+01		
			1.015E+02	-1.071E+02	1.561E+02	3.646E+02	0.01
317	FORE	1	4.607E+01	-6.385E+01	-3.044E+01		
			8.495E+01	-3.287E+01	4.987E+02	6.165E+02	0.01
318	AFT	1	-4.105E+01	-1.064E+02	3.376E+01		
			7.404E+01	3.088E+02	-1.340E+03	1.723E+03	0.04
319	AFT	1	-1.210E+01	-6.321E+01	3.611E+01		
			1.183E+02	3.345E+02	-9.276E+02	1.380E+03	0.03
320	AFT	1	2.895E+00	9.731E+00	2.278E+01		
			1.775E+00	1.607E+02	1.032E+02	2.657E+02	0.01
321	AFT	1	2.269E+00	1.213E+00	-1.681E+01		
			-9.214E+01	-2.227E+02	3.933E+01	3.542E+02	0.01
322	FORE	1	-7.223E+01	4.699E+01	-5.836E+01		
			3.004E+02	3.961E+02	-6.251E+02	1.322E+03	0.03
323	FORE	1	4.393E+01	1.041E+02	1.097E+02		
			1.397E+02	2.705E+02	-7.180E+02	1.128E+03	0.03
324	FORE	1	-7.791E+01	5.969E+01	-1.100E+01		
			8.801E+01	1.221E+01	-5.474E+02	6.477E+02	0.02
325	FORE	1	-1.688E+02	3.071E+01	-1.266E+02		
			1.516E+02	4.556E+02	-3.271E+02	9.343E+02	0.02
326	AFT	1	-4.544E+01	1.336E+01	-8.495E+00		
			6.022E+01	-8.519E+01	1.966E+02	3.420E+02	0.01
327	AFT	1	0.000E+00	-8.252E+02	-1.027E+01		
			-1.242E+02	-2.487E+02	-1.089E+03	1.462E+03	0.04
	AFT	2	2.219E+01	-8.252E+02	-1.027E+01		
			-1.242E+02	0.000E+00	-1.089E+03	1.214E+03	0.03
	AFT	3	2.219E+01	-8.252E+02	-1.027E+01		
			-1.242E+02	0.000E+00	1.089E+03	9.657E+02	0.03

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
328	FORE	1	0.000E+00	2.901E+01	-8.397E+01		
			-4.995E+01	1.666E+03	5.989E+01	1.776E+03	0.05
	FORE	2	2.429E+02	2.901E+01	-8.397E+01		
			-4.995E+01	0.000E+00	5.989E+01	4.209E+02	0.01
	FORE	3	2.429E+02	2.901E+01	-8.397E+01		
			-4.995E+01	0.000E+00	-5.989E+01	4.348E+02	0.01
329	AFT	1	0.000E+00	-1.537E+03	-4.377E+01		
			-1.362E+02	-4.487E+02	-1.142E+03	1.727E+03	0.05
	AFT	2	1.735E+03	-1.537E+03	-4.377E+01		
			-1.362E+02	0.000E+00	-1.142E+03	3.265E+03	0.09
	AFT	3	1.735E+03	-1.537E+03	-4.377E+01		
			-1.362E+02	0.000E+00	1.142E+03	3.169E+03	0.09
330	FORE	1	0.000E+00	-7.312E+01	-2.663E+02		
			-8.152E+01	3.081E+03	3.579E+02	3.521E+03	0.10
	FORE	2	6.781E+02	-7.312E+01	-2.663E+02		
			-8.152E+01	0.000E+00	3.579E+02	1.207E+03	0.03
	FORE	3	6.781E+02	-7.312E+01	-2.663E+02		
			-8.152E+01	0.000E+00	-3.579E+02	1.254E+03	0.03
331	AFT	1	0.000E+00	-6.511E+02	-6.170E+00		
			-3.744E+02	-1.839E+02	-8.608E+02	1.419E+03	0.04
	AFT	2	-5.788E+02	-6.511E+02	-6.170E+00		
			-3.744E+02	0.000E+00	-8.608E+02	1.591E+03	0.04
	AFT	3	-5.788E+02	-6.511E+02	-6.170E+00		
			-3.744E+02	0.000E+00	8.608E+02	1.114E+03	0.03
332	AFT	1	0.000E+00	-1.134E+03	-8.139E+01		
			-7.643E+01	-1.155E+03	-1.388E+03	2.619E+03	0.07
	AFT	2	-6.299E+02	-1.134E+03	-8.139E+01		
			-7.643E+01	0.000E+00	-1.388E+03	1.826E+03	0.05
	AFT	3	-6.299E+02	-1.134E+03	-8.139E+01		
			-7.643E+01	0.000E+00	1.388E+03	1.706E+03	0.05
333	FORE	1	0.000E+00	-1.081E+03	4.986E+01		
			-1.462E+02	-3.027E+02	8.441E+02	1.293E+03	0.04
	FORE	2	8.466E+02	-1.081E+03	4.986E+01		
			-1.462E+02	0.000E+00	8.441E+02	1.624E+03	0.05
	FORE	3	8.466E+02	-1.081E+03	4.986E+01		
			-1.462E+02	0.000E+00	-8.441E+02	1.769E+03	0.05

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
334	FORE	1	0.000E+00	-1.409E+03	-7.878E+01		
			-6.281E+02	4.374E+02	1.449E+03	2.514E+03	0.07
	FORE	2	1.200E+03	-1.409E+03	-7.878E+01		
			-6.281E+02	0.000E+00	1.449E+03	2.235E+03	0.06
	FORE	3	1.200E+03	-1.409E+03	-7.878E+01		
			-6.281E+02	0.000E+00	-1.449E+03	2.939E+03	0.08
335	AFT	1	0.000E+00	2.304E+02	8.968E+01		
			-2.610E+02	1.554E+03	3.766E+02	2.192E+03	0.06
	AFT	2	-3.797E+03	2.304E+02	8.968E+01		
			-2.610E+02	0.000E+00	3.766E+02	6.578E+03	0.18
	AFT	3	-3.797E+03	2.304E+02	8.968E+01		
			-2.610E+02	0.000E+00	-3.766E+02	6.608E+03	0.18
336	AFT	1	0.000E+00	1.037E+01	-8.401E+01		
			-5.841E+01	-7.823E+02	2.473E+02	1.088E+03	0.03
	AFT	2	-3.565E+03	1.037E+01	-8.401E+01		
			-5.841E+01	0.000E+00	2.473E+02	6.177E+03	0.17
	AFT	3	-3.565E+03	1.037E+01	-8.401E+01		
			-5.841E+01	0.000E+00	-2.473E+02	6.182E+03	0.17
337	FORE	1	0.000E+00	2.952E+02	1.229E+02		
			-7.547E+02	1.518E+03	-1.382E+02	2.411E+03	0.07
	FORE	2	-4.922E+03	2.952E+02	1.229E+02		
			-7.547E+02	0.000E+00	-1.382E+02	8.571E+03	0.24
	FORE	3	-4.922E+03	2.952E+02	1.229E+02		
			-7.547E+02	0.000E+00	1.382E+02	8.547E+03	0.24
338	FORE	1	0.000E+00	1.379E+02	-1.455E+02		
			-2.415E+02	-1.111E+03	-8.004E+01	1.432E+03	0.04
	FORE	2	-4.641E+03	1.379E+02	-1.455E+02		
			-2.415E+02	0.000E+00	-8.004E+01	8.045E+03	0.22
	FORE	3	-4.641E+03	1.379E+02	-1.455E+02		
			-2.415E+02	0.000E+00	8.004E+01	8.041E+03	0.22
339	AFT	1	0.000E+00	7.641E+02	1.852E+02		
			-1.031E+03	2.138E+03	6.287E+01	3.232E+03	0.09
	AFT	2	-1.842E+03	7.641E+02	1.852E+02		
			-1.031E+03	0.000E+00	6.287E+01	3.334E+03	0.09
	AFT	3	-1.842E+03	7.641E+02	1.852E+02		
			-1.031E+03	0.000E+00	-6.287E+01	3.373E+03	0.09

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
340	FORE	1	0.000E+00	1.901E+02	1.382E+02		
			-6.397E+02	1.436E+03	-3.645E+02	2.440E+03	0.07
	FORE	2	6.264E+03	1.901E+02	1.382E+02		
			-6.397E+02	0.000E+00	-3.645E+02	1.090E+04	0.30
	FORE	3	6.264E+03	1.901E+02	1.382E+02		
			-6.397E+02	0.000E+00	3.645E+02	1.085E+04	0.30
341	AFT	1	0.000E+00	3.327E+02	4.289E+01		
			-1.440E+03	1.149E+03	-1.125E+03	3.714E+03	0.10
	AFT	2	-2.356E+02	3.327E+02	4.289E+01		
			-1.440E+03	0.000E+00	-1.125E+03	2.597E+03	0.07
	AFT	3	-2.356E+02	3.327E+02	4.289E+01		
			-1.440E+03	0.000E+00	1.125E+03	5.156E+02	0.01
342	FORE	1	0.000E+00	5.153E+02	2.438E+02		
			-1.394E+03	9.203E+02	-3.643E+02	2.678E+03	0.07
	FORE	2	4.189E+03	5.153E+02	2.438E+02		
			-1.394E+03	0.000E+00	-3.643E+02	7.466E+03	0.21
	FORE	3	4.189E+03	5.153E+02	2.438E+02		
			-1.394E+03	0.000E+00	3.643E+02	7.329E+03	0.20
345	AFT	1	0.000E+00	-4.922E+00	-5.566E-01		
			-3.324E+02	-3.877E+01	-2.765E+02	6.476E+02	0.02
	AFT	2	4.525E+01	-4.922E+00	-5.566E-01		
			-3.324E+02	5.155E+01	0.000E+00	2.915E+02	0.01
	AFT	3	0.000E+00	-4.922E+00	-5.566E-01		
			-3.324E+02	-3.877E+01	2.765E+02	9.466E+01	0.00
346	AFT	1	0.000E+00	-9.516E+00	-3.441E-01		
			5.749E+02	-5.865E+00	-4.514E+02	1.176E+02	0.00
	AFT	2	1.148E+02	-9.516E+00	-3.441E-01		
			5.749E+02	7.798E+00	0.000E+00	6.158E+02	0.02
	AFT	3	0.000E+00	-9.516E+00	-3.441E-01		
			5.749E+02	-5.865E+00	4.514E+02	1.021E+03	0.03
347	FORE	1	0.000E+00	1.251E+01	1.448E+00		
			7.698E+01	-5.779E+01	-4.061E+02	3.869E+02	0.01
	FORE	2	-1.149E+02	1.251E+01	1.448E+00		
			7.698E+01	7.684E+01	0.000E+00	2.515E+02	0.01
	FORE	3	0.000E+00	1.251E+01	1.448E+00		
			7.698E+01	-5.779E+01	4.061E+02	4.253E+02	0.01

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
348	FORE	1	0.000E+00	8.122E-01	8.786E-02		
			2.587E+02	-2.748E+01	-2.700E+02	3.873E+01	0.00
	FORE	2	-2.463E+01	8.122E-01	8.786E-02		
			2.587E+02	3.654E+01	0.000E+00	2.983E+02	0.01
	FORE	3	0.000E+00	8.122E-01	8.786E-02		
			2.587E+02	-2.748E+01	2.700E+02	5.012E+02	0.01
349	FORE	1	0.000E+00	8.798E+02	3.732E+02		
			-2.321E+03	6.036E+02	-2.546E+03	5.471E+03	0.15
	FORE	2	4.014E+03	8.798E+02	3.732E+02		
			-2.321E+03	0.000E+00	-2.546E+03	8.486E+03	0.24
	FORE	3	4.014E+03	8.798E+02	3.732E+02		
			-2.321E+03	0.000E+00	2.546E+03	6.956E+03	0.19
350	AFT	1	0.000E+00	1.442E+03	3.938E+02		
			-3.350E+03	3.039E+03	-3.017E+03	9.406E+03	0.26
	AFT	2	1.004E+03	1.442E+03	3.938E+02		
			-3.350E+03	0.000E+00	-3.017E+03	6.600E+03	0.18
	AFT	3	1.004E+03	1.442E+03	3.938E+02		
			-3.350E+03	0.000E+00	3.017E+03	1.770E+03	0.05
351	FORE	1	0.000E+00	3.652E+02	2.234E+02		
			-1.866E+03	-5.789E+02	-2.563E+03	5.008E+03	0.14
	FORE	2	2.471E+03	3.652E+02	2.234E+02		
			-1.866E+03	0.000E+00	-2.563E+03	6.159E+03	0.17
	FORE	3	2.471E+03	3.652E+02	2.234E+02		
			-1.866E+03	0.000E+00	2.563E+03	4.337E+03	0.12
352	FORE	1	0.000E+00	3.560E+02	2.511E+02		
			-3.316E+03	1.184E+03	-3.767E+03	8.267E+03	0.23
	FORE	2	1.188E+04	3.560E+02	2.511E+02		
			-3.316E+03	0.000E+00	-3.767E+03	2.177E+04	0.60
	FORE	3	1.188E+04	3.560E+02	2.511E+02		
			-3.316E+03	0.000E+00	3.767E+03	2.059E+04	0.57
353	FORE	1	0.000E+00	9.930E+02	3.482E+02		
			-2.077E+03	-4.227E+02	-5.339E+02	3.034E+03	0.08
	FORE	2	-4.469E+03	9.930E+02	3.482E+02		
			-2.077E+03	0.000E+00	-5.339E+02	8.169E+03	0.23
	FORE	3	-4.469E+03	9.930E+02	3.482E+02		
			-2.077E+03	0.000E+00	5.339E+02	7.893E+03	0.22

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

BEAM	END	PT.	T SHEAR P/A	Y SHEAR Y BENDING	Z SHEAR Z BENDING	COMBINED	STRESS RATIO
354	FORE	1	0.000E+00	1.103E+03	4.562E+02		
			-3.473E+03	1.177E+03	-1.405E+03	6.056E+03	0.17
	FORE	2	6.066E+03	1.103E+03	4.562E+02		
			-3.473E+03	0.000E+00	-1.405E+03	1.158E+04	0.32
	FORE	3	6.066E+03	1.103E+03	4.562E+02		
			-3.473E+03	0.000E+00	1.405E+03	1.071E+04	0.30
355	AFT	1	0.000E+00	1.405E+03	4.946E+02		
			-1.932E+03	2.603E+03	3.333E+02	4.869E+03	0.14
	AFT	2	-2.905E+03	1.405E+03	4.946E+02		
			-1.932E+03	0.000E+00	3.333E+02	5.280E+03	0.15
	AFT	3	-2.905E+03	1.405E+03	4.946E+02		
			-1.932E+03	0.000E+00	-3.333E+02	5.518E+03	0.15
356	FORE	1	0.000E+00	1.305E+03	2.812E+02		
			-2.471E+03	1.668E+03	-1.593E+03	5.732E+03	0.16
	FORE	2	-4.691E+03	1.305E+03	2.812E+02		
			-2.471E+03	0.000E+00	-1.593E+03	9.085E+03	0.25
	FORE	3	-4.691E+03	1.305E+03	2.812E+02		
			-2.471E+03	0.000E+00	1.593E+03	8.173E+03	0.23
357	AFT	1	0.000E+00	2.104E+02	7.819E+01		
			-1.136E+03	1.295E+03	4.673E+01	2.478E+03	0.07
	AFT	2	1.880E+02	2.104E+02	7.819E+01		
			-1.136E+03	0.000E+00	4.673E+01	1.137E+03	0.03
	AFT	3	1.880E+02	2.104E+02	7.819E+01		
			-1.136E+03	0.000E+00	-4.673E+01	1.227E+03	0.03
358	AFT	1	0.000E+00	-5.578E+02	1.965E+01		
			-7.860E+02	3.913E+01	-1.042E+03	1.867E+03	0.05
	AFT	2	3.928E+02	-5.578E+02	1.965E+01		
			-7.860E+02	0.000E+00	-1.042E+03	1.951E+03	0.05
	AFT	3	3.928E+02	-5.578E+02	1.965E+01		
			-7.860E+02	0.000E+00	1.042E+03	7.269E+02	0.02

MAXIMUM STRESS = 4.768E+04 ON BEAM 40

STATIC ANALYSIS
CDF CMEX UPGRADE: FRAME ANALYSIS
LOADING 1 - FULL LOAD WITH BASE AND 9 CHAMBERS

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