	project:	Jeremiah	Morrow E	Bridge				
·	ng type:		Load Ra					
racii	ig type.	Operating						
summary	v of rating	in the lo	_ naitudin:	al direction	on .			
Janima								
Load Ra	ating Res	sult longit	tudinal					
<u>Load I (c</u>	The state of the s		<u> </u>					
		N/I	nimum Da	ting Easter	In Longitudi	nal		
	I OE MEMI	BER WITH		ling Factor	in Longitudii	liai		
Rating Fac		DEK WITTI						
45 tons		Web Shea	r Controls					
10 10110								
			Capaci	ty on Load	ing Rating			
				•	ty in tons			
NODE			ervice cond		-	st	rength che	ck
	top	top	bottom	bottom	web	<b>1</b>	<b></b>	
	stress max	stress min	stress max	stress min	principle stress	moment max	moment min	web shear
summary	100 tons	76 tons	72 tons	63 tons	60 tons	100 tons	84 tons	45 tons
Samma y	100 10113	70 (0113	12 (0113	30 toli3	00 10113	100 10113	UT (U113	70 (0113
99					100 tons	100 tons	100 tons	100 tons
100		100 tons	100 tons		100 tons	100 tons	100 tons	100 tons
100		100 tons	100 tons		60 tons	100 tons	100 tons	100 tons
101	100 tons	100 tons	100 tons	100 tons	65 tons	100 tons	100 tons	51 tons
101	100 tons	100 tons	100 tons	100 tons	71 tons	100 tons	100 tons	53 tons
102	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons
102 103	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	63 tons
103	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	45 tons
104	100 tons	100 tons	100 tons	81 tons	100 tons	100 tons	100 tons	45 tons
104	100 tons	100 tons	100 tons	81 tons	100 tons	100 tons	100 tons	45 tons
105	100 tons	100 tons	100 tons	71 tons	100 tons	100 tons	100 tons	45 tons
105	100 tons	100 tons	100 tons	71 tons	100 tons	100 tons	100 tons	45 tons
106	100 tons	100 tons	100 tons	78 tons	100 tons	100 tons	100 tons	45 tons
106 107	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	78 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	45 tons 45 tons
107	100 tons	100 tons	100 tons	76 tons	100 tons	100 tons	100 tons	63 tons
108	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	100 tons	54 tons
108	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	100 tons	54 tons
109	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons
109	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons
110	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons
110 111	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	50 tons 49 tons
111	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons
112	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons
112	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons
113	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons
113	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons
114	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons
114 115	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	51 tons 51 tons
115	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	54 tons
116	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	54 tons
116	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	55 tons
117	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	59 tons
117	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons
118	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons
203	100 tons	97 tons	81 tons	100 tons	100 tons	100 tons	100 tons	48 tons
204	100 tons	98 tons	84 tons	100 tons	100 tons	100 tons	100 tons	48 tons
204	100 tons	98 tons	83 tons	100 tons	100 tons	100 tons	100 tons	55 tons

	Capacity on Loading Rating Capacity in tons									
NODE			rvice cond	strength check						
NODE	ton		bottom	Strength Check						
	top stress	top stress	stress	bottom stress	web principle	moment	moment	web		
	max	min	max	min	stress	max	min	shear		
205	100 tons	96 tons	82 tons	100 tons	100 tons	100 tons	100 tons	54 tons		
205	100 tons	96 tons	82 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
206	100 tons	100 tons	88 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
206	100 tons	100 tons	88 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
207	100 tons	100 tons	97 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
207	100 tons	100 tons	97 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
208 208	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	49 tons 48 tons		
209	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
209	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
210	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
210	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	48 tons		
211	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	49 tons		
211	100 tons	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	48 tons		
212	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	50 tons		
212	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
213 213	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	55 tons 55 tons		
213	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	100 tons	63 tons		
214	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	100 tons	45 tons		
215	100 tons	100 tons	100 tons	78 tons	100 tons	100 tons	100 tons	45 tons		
215	100 tons	100 tons	100 tons	78 tons	100 tons	100 tons	100 tons	45 tons		
216	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	100 tons	45 tons		
216	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	100 tons	45 tons		
217	100 tons	100 tons	100 tons	73 tons	100 tons	100 tons	100 tons	45 tons		
217	100 tons	100 tons	100 tons	73 tons	100 tons	100 tons	100 tons	45 tons		
218	100 tons	100 tons	100 tons 100 tons	69 tons	100 tons	100 tons	100 tons	45 tons		
218 219	100 tons 100 tons	100 tons 100 tons	100 tons	69 tons 84 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	45 tons 45 tons		
219	100 tons	100 tons	100 tons	84 tons	100 tons	100 tons	100 tons	45 tons		
220	100 tons	100 tons	100 tons	88 tons	100 tons	100 tons	100 tons	45 tons		
220	100 tons	100 tons	100 tons	88 tons	100 tons	100 tons	100 tons	63 tons		
221	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	60 tons		
221	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	59 tons		
222	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	50 tons		
222	100 tons 100 tons	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	51 tons		
223 223	100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	95 tons 91 tons	100 tons 100 tons	100 tons 100 tons	49 tons		
224	100 tons	100 tons	100 tons	100 tons	91 tons	100 tons	100 tons	48 tons		
224	100 tons	100 tons	100 tons	100 tons	92 tons	100 tons	100 tons	48 tons		
225	100 tons	100 tons	100 tons	100 tons	95 tons	100 tons	100 tons	46 tons		
225	100 tons	100 tons	100 tons	100 tons	95 tons	100 tons	100 tons	48 tons		
226	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	46 tons		
226	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
227 227	100 tons	89 tons 89 tons	95 tons 95 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons	48 tons		
228	100 tons 100 tons	84 tons	95 tons 87 tons	100 tons	100 tons	100 tons	100 tons 100 tons	49 tons 49 tons		
228	100 tons	84 tons	87 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
229	100 tons	79 tons	80 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
229	100 tons	79 tons	80 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
230	100 tons	80 tons	79 tons	100 tons	100 tons	100 tons	100 tons	51 tons		
230	100 tons	80 tons	79 tons	100 tons	100 tons	100 tons	100 tons	53 tons		
231	100 tons	91 tons	81 tons	100 tons	100 tons	100 tons	100 tons	55 tons		
231	100 tons	91 tons	81 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
232 303	100 tons	78 tons	76 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
303	100 tons 100 tons	87 tons 90 tons	86 tons 90 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	48 tons 48 tons		
304	100 tons	90 tons	89 tons	100 tons	100 tons	100 tons	100 tons	54 tons		
305	100 tons	89 tons	89 tons	100 tons	100 tons	100 tons	100 tons	53 tons		
305	100 tons	89 tons	89 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
306	100 tons	94 tons	94 tons	100 tons	100 tons	100 tons	100 tons	49 tons		

	1		Capaci	ty on Load							
NODE	Capacity in tons service condition strength check										
NODE	400			strength check							
	top	top	bottom	bottom	web	momont	momont	web			
	stress max	stress min	stress max	stress min	principle stress	moment max	moment min	shear			
306	100 tons	94 tons	95 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
307	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
307	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
308	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
308 309	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	48 tons 46 tons			
309	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	46 tons			
310	100 tons	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	48 tons			
310	100 tons	100 tons	100 tons	100 tons	96 tons	100 tons	100 tons	46 tons			
311	100 tons	100 tons	100 tons	100 tons	96 tons	100 tons	100 tons	48 tons			
311	100 tons	100 tons	100 tons	100 tons	95 tons	100 tons	100 tons	48 tons			
312 312	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	97 tons 100 tons	100 tons 100 tons	100 tons 100 tons	49 tons 49 tons			
313	100 tons	100 tons	100 tons	98 tons	100 tons	100 tons	100 tons	54 tons			
313	100 tons	100 tons	100 tons	98 tons	100 tons	100 tons	100 tons	54 tons			
314	100 tons	100 tons	100 tons	76 tons	100 tons	100 tons	100 tons	63 tons			
314	100 tons	100 tons	100 tons	76 tons	100 tons	100 tons	100 tons	45 tons			
315	100 tons	100 tons	100 tons	67 tons	100 tons	100 tons	100 tons	45 tons			
315	100 tons	100 tons	100 tons	67 tons	100 tons	100 tons	100 tons	45 tons			
316	100 tons	100 tons	100 tons	72 tons	100 tons	100 tons	100 tons	45 tons			
316	100 tons	100 tons	100 tons	72 tons	100 tons	100 tons	100 tons	45 tons			
317 317	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	63 tons 63 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	45 tons 45 tons			
318	100 tons	100 tons	100 tons	66 tons	100 tons	100 tons	100 tons	45 tons			
318	100 tons	100 tons	100 tons	66 tons	100 tons	100 tons	100 tons	45 tons			
319	100 tons	100 tons	100 tons	81 tons	100 tons	100 tons	100 tons	45 tons			
319	100 tons	100 tons	100 tons	81 tons	100 tons	100 tons	100 tons	45 tons			
320	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	45 tons			
320	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	63 tons			
321	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	61 tons			
321 322	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	59 tons			
322	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	50 tons 51 tons			
323	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
323	100 tons	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	49 tons			
324	100 tons	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	48 tons			
324	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	48 tons			
325	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	46 tons			
325	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
326	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	46 tons			
326 327	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	48 tons 48 tons			
327	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
328	100 tons	97 tons	95 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
328	100 tons	97 tons	95 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
329	100 tons	91 tons	88 tons	100 tons	100 tons	100 tons	100 tons	50 tons			
329	100 tons	91 tons	88 tons	100 tons	100 tons	100 tons	100 tons	51 tons			
330	100 tons	91 tons	87 tons	100 tons	100 tons	100 tons	100 tons	51 tons			
330	100 tons	91 tons	86 tons	100 tons	100 tons	100 tons	100 tons	53 tons			
331 331	100 tons 100 tons	100 tons 100 tons	88 tons 89 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	56 tons 49 tons			
332	100 tons	89 tons	83 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
403	100 tons	79 tons	72 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
404	100 tons	80 tons	75 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
404	100 tons	80 tons	74 tons	100 tons	100 tons	100 tons	100 tons	54 tons			
405	100 tons	76 tons	73 tons	100 tons	100 tons	100 tons	100 tons	53 tons			
405	100 tons	76 tons	73 tons	100 tons	100 tons	100 tons	100 tons	50 tons			
406	100 tons	80 tons	77 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
406 407	100 tons 100 tons	80 tons 85 tons	77 tons 85 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	49 tons 49 tons			
407	100 tons	85 tons	85 tons	100 tons	100 tons	100 tons	100 tons	49 tons 49 tons			
<del></del>	100 10113	00 10113	00 10113	100 10113	100 10113	100 10113	100 10113	-TU 10113			

		Capacity in tana									
NODE	Capacity in tons service condition strength check										
NODE	400			strength check							
	top	top	bottom	bottom	web	momont	mamant	web			
	stress max	stress min	stress max	stress min	principle stress	moment max	moment min	shear			
408	100 tons	92 tons	97 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
408	100 tons	92 tons	97 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
409	100 tons	100 tons	100 tons	100 tons	94 tons	100 tons	100 tons	46 tons			
409	100 tons	100 tons	100 tons	100 tons	95 tons	100 tons	100 tons	46 tons			
410 410	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	90 tons 87 tons	100 tons 100 tons	100 tons 100 tons	48 tons 46 tons			
411	100 tons	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	48 tons			
411	100 tons	100 tons	100 tons	100 tons	85 tons	100 tons	100 tons	48 tons			
412	100 tons	100 tons	100 tons	100 tons	86 tons	100 tons	100 tons	49 tons			
412	100 tons	100 tons	100 tons	100 tons	89 tons	100 tons	100 tons	49 tons			
413 413	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	97 tons 100 tons	100 tons 100 tons	100 tons 100 tons	53 tons 53 tons			
414	100 tons	100 tons	100 tons	92 tons	100 tons	100 tons	100 tons	63 tons			
414	100 tons	100 tons	100 tons	92 tons	100 tons	100 tons	100 tons	45 tons			
415	100 tons	100 tons	100 tons	79 tons	100 tons	100 tons	100 tons	45 tons			
415	100 tons	100 tons	100 tons	79 tons	100 tons	100 tons	100 tons	45 tons			
416	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	45 tons			
416	100 tons 100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	45 tons			
417 417	100 tons	100 tons 100 tons	100 tons 100 tons	69 tons 69 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	45 tons 45 tons			
418	100 tons	100 tons	100 tons	67 tons	100 tons	100 tons	100 tons	45 tons			
418	100 tons	100 tons	100 tons	67 tons	100 tons	100 tons	100 tons	45 tons			
419	100 tons	100 tons	100 tons	81 tons	100 tons	100 tons	100 tons	45 tons			
419	100 tons	100 tons	100 tons	81 tons	100 tons	100 tons	100 tons	45 tons			
420	100 tons	100 tons	100 tons	80 tons	100 tons	100 tons	100 tons	45 tons			
420 421	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	80 tons 93 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	63 tons			
421	100 tons	100 tons	100 tons	93 tons	100 tons	100 tons	100 tons	61 tons			
422	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons			
422	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	53 tons			
423	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
423	100 tons	100 tons	100 tons	100 tons	96 tons	100 tons	100 tons	49 tons			
424 424	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	96 tons 97 tons	100 tons 100 tons	100 tons 100 tons	48 tons 49 tons			
424	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
425	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	48 tons			
426	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	46 tons			
426	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
427	100 tons	100 tons	98 tons	100 tons	100 tons	100 tons	100 tons	48 tons			
427	100 tons	100 tons	98 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
428 428	100 tons 100 tons	99 tons 99 tons	90 tons 90 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	49 tons 50 tons			
429	100 tons	93 tons	83 tons	100 tons	100 tons	100 tons	100 tons	50 tons			
429	100 tons	93 tons	83 tons	100 tons	100 tons	100 tons	100 tons	51 tons			
430	100 tons	93 tons	82 tons	100 tons	100 tons	100 tons	100 tons	53 tons			
430	100 tons	93 tons	82 tons	100 tons	100 tons	100 tons	100 tons	54 tons			
431	100 tons	100 tons	84 tons	100 tons	100 tons	100 tons	100 tons	56 tons			
431 432	100 tons 100 tons	100 tons 91 tons	84 tons 79 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	49 tons 48 tons			
503	100 tons	92 tons	80 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
504	100 tons	93 tons	83 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
504	100 tons	93 tons	83 tons	100 tons	100 tons	100 tons	100 tons	56 tons			
505	100 tons	89 tons	80 tons	100 tons	100 tons	100 tons	100 tons	55 tons			
505	100 tons	89 tons	80 tons	100 tons	100 tons	100 tons	100 tons	51 tons			
506 506	100 tons 100 tons	94 tons 94 tons	84 tons 84 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	51 tons 51 tons			
507	100 tons	99 tons	91 tons	100 tons	100 tons	100 tons	100 tons	50 tons			
507	100 tons	99 tons	91 tons	100 tons	100 tons	100 tons	100 tons	50 tons			
508	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons			
508	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons			
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	Capacity on Loading Rating Capacity in tons									
NODE			rvice cond	strength check						
NODE	ton		bottom	Strength Check						
	top stress	top stress	stress	bottom stress	web principle	moment	moment	web		
	max	min	max	min	stress	max	min	shear		
509	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
510	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
510	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
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511 512	100 tons 100 tons	100 tons	100 tons	100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	49 tons 51 tons		
512	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons		
513	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	56 tons		
513	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	56 tons		
514	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	63 tons		
514	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	45 tons		
515 515	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	80 tons 80 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	45 tons 45 tons		
516	100 tons	100 tons	100 tons	90 tons	100 tons	100 tons	100 tons	45 tons		
516	100 tons	100 tons	100 tons	90 tons	100 tons	100 tons	100 tons	45 tons		
517	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	45 tons		
517	100 tons	100 tons	100 tons	83 tons	100 tons	100 tons	100 tons	45 tons		
518	100 tons	100 tons	100 tons	88 tons	100 tons	100 tons	100 tons	45 tons		
518	100 tons	100 tons	100 tons	88 tons	100 tons	100 tons	100 tons	45 tons		
519 519	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	45 tons 63 tons		
520	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
520	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
521	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
521	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
522	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	61 tons		
522	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	61 tons		
523	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	54 tons		
523 524	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	55 tons 51 tons		
524	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons		
525	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
525	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
526	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
526	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
527	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	84 tons	49 tons		
527 528	100 tons 100 tons	100 tons 91 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	84 tons 100 tons	49 tons 49 tons		
528	100 tons	91 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
529	100 tons	84 tons	100 tons	100 tons	100 tons	100 tons	100 tons	49 tons		
529	100 tons	84 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
530	100 tons	91 tons	100 tons	100 tons	100 tons	100 tons	100 tons	50 tons		
603	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	48 tons		
604 604	100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons	100 tons 100 tons	100 tons	49 tons		
604 605	100 tons 100 tons	100 tons	100 tons	100 tons	100 tons 100 tons	100 tons	100 tons 100 tons	53 tons 53 tons		
605	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons		
606	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	51 tons		
606	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	53 tons		
607	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	53 tons		
607	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	53 tons		
608	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	55 tons		
608 609	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	100 tons 100 tons	53 tons 55 tons		
609	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	55 tons		
610	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	59 tons		
610	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	58 tons		
611	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
611	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
612	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
612	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		

			Capacit	ty on Loadi	ng Rating					
Capacity in tons										
NODE		se	st	strength check						
	top	top	bottom	bottom	web			_		
	stress max	stress min	stress max	stress min	principle stress	moment max	moment min	web shear		
613	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
613	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
614	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	100 tons	63 tons		
614	100 tons	100 tons	100 tons	97 tons	100 tons	100 tons	100 tons	45 tons		
615	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	45 tons		
615	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	45 tons		
616	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	45 tons		
616	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
617	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	100 tons	63 tons		
617	100 tons	100 tons	100 tons	100 tons	99 tons	100 tons	100 tons	63 tons		
700		100 tons	100 tons		92 tons	100 tons	100 tons	63 tons		