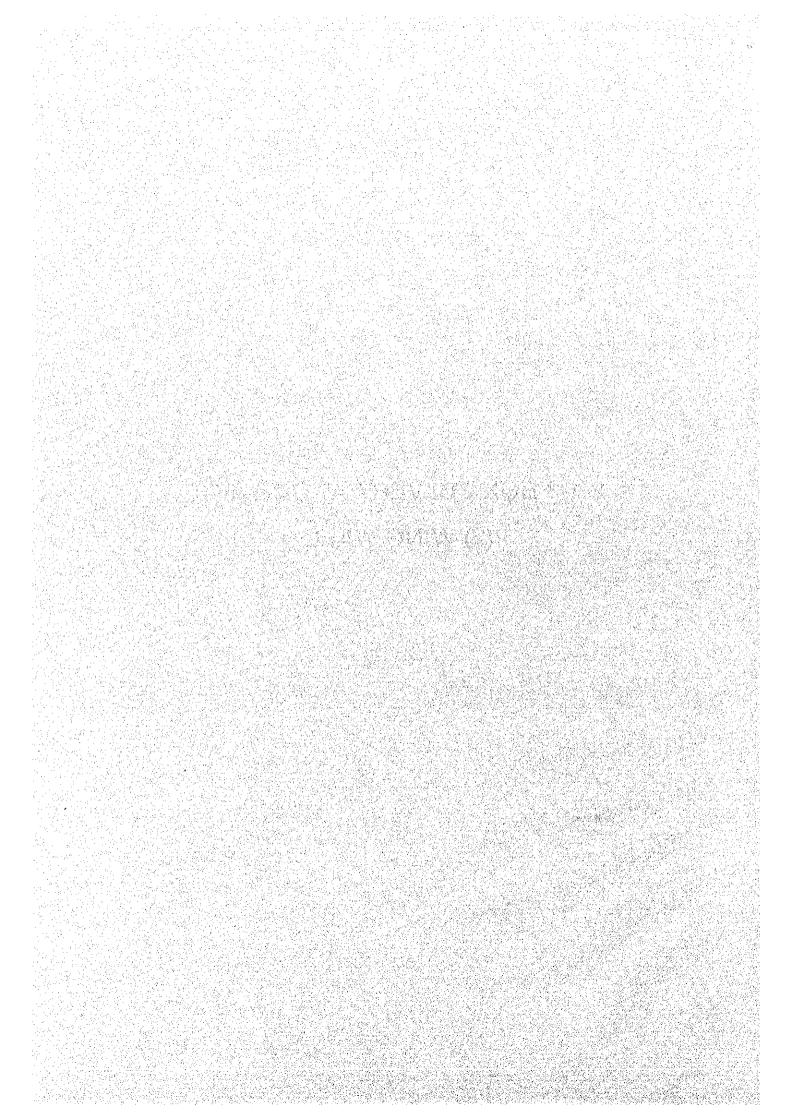
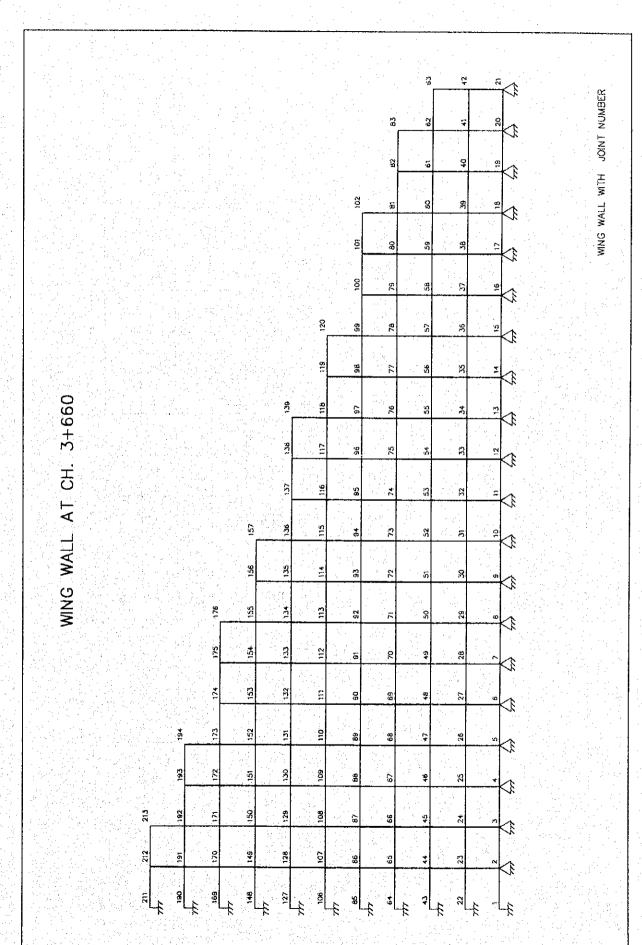
## 2-1-3 BOX CULVERT AT CH.4+660 (2) WING WALL





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\*\*\*\*\*\*\*\* STAAD-III Revision 22.3a Proprietary Program of Research Engineers, Inc. Date= JAN 30, 2000 Time= 9:15:42 USER ID: Development Design Consultants L \*\*\*\*\* 1. STAAD SPACE 2. UNIT KNS METER 3. PAGE ÉJE 4. JOI COO 1 0.000 0.000 0.000 5. 21 12,80 0.000 0.000 6. R 2 0.000 0.000 0.565 7. 64 0.000 0.000 1.695 83 12.160 0.000 1.695 8. 85 0.000 0.000 2.260 102 10.880 0.000 2.260 9. 106 0.000 0.000 2.825 120 8.960 0.000 2.825 10. 127 0.000 0.000 3.390 139 7.680 0.000 3.390 11. 148 0.000 0.000 3.955 157 5.760 0.000 3.955 12.169 0.000 0.000 4.520 176 4.480 0.000 4.520 13. 190 0.000 0.000 5.085 194 2.560 0.000 5.085 14. 211 0.000 0.000 5.650 213 1.280 0.000 5.650 16. MEM INC 17. \*HORIZONTAL MEMBER 18.1 20 1 2 1 1 19. R 2 20 21 20. 61 64 65 79 1 1 21. 81 85 86 97 1 1 22. 101 106 107 114 1 1 23. 121 127 128 132 1 1 24. 141 148 149 149 1 1 25. 161 169 170 167 1 1 26. 181 190 191 184 1 1 27: 191 211 212 192 1 1 28. \*VERTICAL MEMBER (START WITH 301) 29. 201 2 23 210 1 21 30. R 1 10 1 31. 221 4 25 229 1 21 32. R 1 10 1 33. 241 248 27 1 21 6 34. R 2 10 1 35. 271 9 30 277 21 1 36. R 1 10 1 37. 291 11 32 296 1 21 38. R 2. 10 -1 39. 321 35 14 325 21 1 40. R 1 10 1 41. 341 16 37 344 21 1 42. R 2 10 1 43. 371 1.9 40 373 1 21 44. R 1 10 1 45. 391 21 42 392 1 21 47. MEM PRO 48.1 TO 20 PRI ΥD 3,350 0.4 IX 1E-06 ΖD 49. 21 TO 40 PRI YD 0.350 ZD 0.565 IX 1E - 0650.41 TO. 60 PRI YD 0.350 ΖD 0.565 IX 1E-06 51. 61 ΤÒ 79 PRI YD 0.350 'ZD 0.565 IX 1E-06 52. 81 ΤO 97 PRI YD 0.350 ; ZD 0.565 IX 1E-06 53. 101 TO 114 PRI ΥD 0.350 ΖD 0.565 IX 1E-06 54. 121 0.565 IX TO 132 PRI ΥD 0.350 ΖD 1E-06 55. 141 ΤÖ 149 PRI ٢D 0.350 ΖD 0.565 IX 1E-06 56. 161 TO. 167 0.350 PRI YD 0.565 IX 2D 1E-06 57. 181 TO 184 PRI ΥĎ 0.350 ΖD 0.565 IX 1E-06 58. 191 TO 192 PRI Ϋ́D 0:350 ZD 0.565 IX 1E - 0659. \*VERTICAL

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		BOX CULVERT AT CH. 3+660 (WING WALL)
	-24.50 -23.43	Ϋ́ΥΫ́ΥΫ́ΥΫ́ΥΫ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́Ϋ́
135. 48 FY 136. 49 FY 137. 50 FY	-22.37 -21.31 -20.24	
139, 52 FY 140, 53 FY	-19.18 -18.11 -17.05	
142.55 FY 143.56 FY	-15.99 -14.92 -13.86 -12.80	
	-11.73 0.00 0.00	
148. 61 FY 149. 62 FY 150. 63 FY	0.00 0.00 0.00	
152.66 FY 153.67 FY	-21.97 -20.91 -19.85 -18.78	
155. 69 FY 156. 70 FY	-17.72 -16.66 -15.59	
158.72 FY 159.73 FY 160.74 FY	-14.53 -13.46 -12.40	
	-11.34 -10.27 -9.21 -8.15	
165.79 FY 166.80 FY 167.81 FY	-7.08 0.00 0.00	
	0.00 0.00 -17.32 -16.26	
172. 88 FY 173. 89 FY 174. 90 FY	-15.20 -14.13 -13.07	
176. 92 FY	-12.01 -10.94 -9.88 -8.81	
179.95 FY 180.96 FY 181.97 FY	-7,75 -6.69 -5.62	
182.98 FY 183.99 FY 184.100 FY 185.101 FY	-4.56 -3.50 -2.43 0.00	
186.102 FY 187.107 FY 188.108 FY	0.00 -12.67 -11.61	
189. 109 FY 190. 110 FY 191. 111 FY 192. 112 FY	-10.55 -9.48 -8.42 -7.35	
192.112 F1 193, 113 FY 194.114 FY 195.115 FY	-7.35 -6.29 -5.23 -4.16	
196. 116 FY 197. 117 FY 198. 118 FY	-3.10 -2.04 -0.97	
199. 119 FY 200. 120 FY 201. 128 FY 202. 129 FY	0.00 0.00 -9.57 -8.51	

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	203.	130		FΥ	-7.45
	204.	131	÷. 1	FY	-6,38
÷	205.	132		FY	-5.32
	206.	133	÷	ΈY	-4.26
	207.	134		ΕY	-3.19
	208.	135	÷.	FΥ	-2.13
	209.	136	÷ .	FY	-1.06
	210.	137	1	FY	0.00
	211.	138		FY	0.00
	212.	139	38	FY	0.00
	213.	149		FΥ	-6.91
	214.	150	- 14 20	FΥ	-5.85
6	215.	151		FY	-4.79
	216.	152		FY	-3.72
j.	217.	153		FY	-2.66
	218.	154	1.	FΥ	-1.60
	219.	155		FY	-0.53
	220.	156		FY	0.00
	221.	157		FY.	0.00
	222.	170		FY	-4.26
	223.	171		FΥ	-3.19
	224.	172	-	FY	-2.13
	225.	173	$\mathbb{P}^{1}$	FΥ	-1.06
1.1	226.	174		ΈY	0.00
	227.	175	÷	FY	0.00
21	228.	176		FΥ	0.00
1	229.	191	11	£Υ	-1.60
. • •	230.	192		FΥ	-0.53
j.	231.	.193	$\sim 1^{\circ}$	FΥ	0.00
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÷	234.	213	1 g	ΈY	0.00

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236. PER ANA

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## PROBLEM STATISTICS \_\_\_\_\_ ----

	나는 물질 하는 물건 물건을 만들고 물건을 다 나는 물건을 다 가지 않는 것을 하는 것이 하는 것이 하는 것이다.
	NUMBER OF JOINTS/MEMBER+ELEMENTS/SUPPORTS = 155/ 268/ 31
	ORIGINAL/FINAL BAND-WIDTH = 21/ 9
	TOTAL PRIMARY LOAD CASES = 1, TOTAL DEGREES OF FREEDOM = 784
	SIZE OF STIFFNESS MATRIX = 43904 DOUBLE PREC. WORDS
Ċ,	REQRD/AVAIL. DISK SPACE = 12.59/ 246.6 MB, EXMEM = 1964.5 MB
1	이 가장 승규는 물건을 얻는 것이 있는 것 같은 것이 많이 많이 많이 많이 했다.
÷	+ Processing Element Stiffness Matrix. 9:15:42
	+ Processing Global Stiffness Matrix. 9:15:42
÷	+ Processing Triangular Factorization. 9:15:42
+	+ Calculating Joint Displacements. 9:15:42

++ Calculating Member Forces.

237. PRINT MEM FORCES

MEMBER END FORCES STRUCTURE TYPE = SPACE

\_\_\_\_\_ ALL UNITS ARE -- KNS METE

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
1	1	1 2	.00 .00	1385.10 -1385.10	.00 .00	.00 .00	.00 .00	6824.55 -5938.09
2	1	2 3	.00 .00	1329.26 -1329.26	.00 .00	.00 .00	.00 .00	5938.09 -5087.36
3	1	3 4	.00 .00	1240.78 -1240.78	.00 .00	.00 .00	.00 .00	5087.35 -4293.25
4	1	4 5	.00 .00	1134.69 -1134.69	.00 .00	.00 .00	.00 .00	4293.25 -3567.05
5	1	5 6	.00 .00	1020.79 -1020.79	.00 .00	.00 .00	.00 .00	3567.05 -2913.75
б	1	6 7	.00 .00	904.85 -904.85	.00 .00	.00 .00	.00 .00	2913.74 -2334.64
7	1	7 8	.00 .00	790.70 -790.70	.00 .00	.00 .00	.00 .00	2334.64 -1828.59
8	1	8 9	00. 00	680.74 -680.74	.00 .00	.00 .00	.00 .00	1828.59 -1392.91
9	1	9 10	.00 .00	576.18 -576.18	.00 .00	.00 .00	.00 .00	1392.91 -1024.16
10	1	10 11	.00 .00	477.52 -477.52	.00 .00	.00 .00	.00 .00	1024.16 -718.54
11	1	11 12	.00 .00	384.84 -384.84	.00 .00	.00 .00	.00	718.54 -472.24
12	1	12 13	.00 .00	297.86 -297.86	.00 .00	.00 .00	.00 .00	472.23 -281.61
13	1	13 14	.00 .00	216.54 -216.54	.00 .00	.00 .00	.00 .00	281.60 -143.01
14	1	14 15	.00 .00	141.46 -141.46	.00 .00	.00 .00	.00 .00	143.02 -52.48
15	1	15 16	.00 .00	74.14 -74.14	.00 .00	.00 .00	.00 .00	52.48 -5.03

	toriana Roman Roman					BOX CI	JLVERT AT CH	I. 3+660 (WING \	WALL
MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM~2	
16	1	16 17	.00 .00	18.30 -18.30	.00 .00	.00 .00	.00 .00	5.03 6,68	
17	1	17 18	.00 .00	3.36 -3.36	.00 .00	.00 .00	.00 .00	-6.67 8.83	
18	1.	18 19	.00 .00	-2.92 2.92	.00 .00	.00 .00	.00 .00	-8.83 6.97	
19	1	19 20	.00 .00	-5.12 5.12	.00 .00	.00 .00	.00 .00	-6.97 3.68	
20	1	20 21	.00 .00	-5.76 5.76	.00 .00	.00	.00 .00	-3.68 .00	4
21	1	22 23	.00 .00	35.83 -35.83	.00 .00	.00 .00	.00 .00	34.64 -11.71	
22	1	23 24	.00 .00	8.53 ~8.53	.00 .00	.00 .00	.00 .00	11.71 -6.25	
23	1	24 25	.00 .00	2.59 -2.59	.00	.00 .00	.00 .00	6.25 -4.59	
24	1	25 26	.00 .00	1.58 -1.58	.00 .00	.00 .00	.00 .00	4.59 -3.58	
25	1	26 27	.00 .00	1.22 -1.22	.00 .00	.00 .00	.00 .00	3.58 -2.80	
26	1	27 28	.00 .00	.94 94	.00 .00	.00 .00	.00 .00	2.80 -2.20	
27	1	28 29	.00 .00	.73 - 73	.00 .00	.00 .00	.00	2.20 -1.73	
28	1	29 30	.00 .00	.68 68	.00 .00	.00 .00	.00 .00	1.73 -1.29	
29	1	30 31	.00 .00	.73 73	.00 .00	.00 .00	.00 .00	1.29 83	
30	1	31 32	.00 .00	.69 69	.00 .00	.00 .00	.00	.83 39	
31	1	32 33	.00 .00	.66 66	.00 .00	.00	.00 .00	.39 .03	
32	1	33 34	.00 .00	.64 64	.00 .00	.00 .00	.00 .00	03 .44	
33	1	34 35	.00 .00	.41 41	.00 .00	.00 .00	.00 .00	44 .70	24.13 14 12 25 12
34	1	35 36	.00 .00	.41 41	.00	.00 .00	.00 .00	70 .96	
35	1	36 37	.00 .00	.05 05	.00 .00	.00 .00	.00 .00	96 .99	
36	1	37 38	.00 .00	-3.19 3.19	.00 .00	.00 .00	.00 .00	99 -1.05	
37	1	38 39	.00 .00	.40 40	.00 .00	.00 .00	.00 .00	1.05 79	
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MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
38	1	39 40	.00 .00	28 .28	.00	.00	.00	.80 97
39	1	40 41	.00 .00	1.08 -1.08	.00	.00	.00 .00	.97 28
40	1	41 42	.00 .00	. 44 44	.00 .00	.00 .00	.00	.28 .00
41	1	43 44	.00 .00	41.78 -41.78	.00 .00	.00	.00	45.90 -19.16
42	1	44 45	.00 .00	19.91 -19.91	.00 .00	.00 .00	.00. .00	19.16 -6.42
43	1	45 46	.00 .00	7.13 -7.13	.00	.00 .00	.00 .00	6.42 -1.85
44	1	46 47	.00 .00	2.31 -2.31	.00 .00	.00 .00	.00	1.85 38
45	1	47 48	.00 .00	.72 72	.00	.00 .00	.00	.37
46	1	48 49	.00 .00	.12 12	.00 .00	.00 .00	.00	08 .16
47	1	49 50	.00 .00	20 .20	.00	.00 .00	.00. .00	16 .03
48	1	50 51	.00 .00	13 .13	.00	.00 .00	.00 .00	03 05
49	1	51 52	.00 .00	.45 45	.00 .00	.00 .00	.00 .00	.05 .24
50	1	52 53	.00 .00	.79 79	.00 .00	.00 .00	.00 .00	24 .75
51	1	53 54	.00 .00	.78 78	.00 .00	.00 .00	.00 .00	75 1.25
52	1	54 55	.00 .00	. 78 - 78	.00 .00	.00 .00	.00 .00	-1.25 1.74
53	1	55 56	.00 .00	.56 56	.00 .00	.00	.00 .00	-1.74 2.10
54	1	56 57	.00 .00	01 .01	.00 .00	.00 .00	.00 .00	-2.10 2.09
\$5	1	57 58	.00 .00	96 .96	.00 .00	.00 .00	.00 .00	-2.09 1.48
56	1	58 59	.00 .00	-5.65 5.65	.00 .00	.00 .00	.00 .00	-1.48 -2.14
57	1	59 60	.00 .00	30 .30	.00 .00	.00 .00	.00 .00	2.14 -2.33
58	1	60 61	.00 .00	38 .38	.00 .00	.00 .00	.00 .00	2.33 -2.58
59	1	61 62	.00 .00	-1.27 1.27	.00 .00	.00 .00	.00 .00	2.58 -3.39
60	1	62 63	.00 .00	5.31 -5.31	.00 .00	.00 .00	.00 .00	3.40 .00
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MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-2
61	1	64 65	.00 .00	46.33 -46.33	.00 .00	.00 .00	.00 .00	55.79 -26.14
62	1	65 66	.00 .00	27.03 -27.03	.00 .00	.00 .00	.00 .00	26.14 -8.84
63	1	66 67	.00 .00	12.87 -12.87	.00 .00	.00 .00	.00 .00	8.84 60
64	1	67 68	.00 .00	4.72 -4.72	.00 .00	.00 .00	.00 .00	.60 2.41
65	1	68 69	.00 .00	1.01 -1.01	.00 .00	.00 .00	.00 .00	-2.41 3.06
66	1	69 70	.00 .00	32 .32	.00 .00	.00 .00	.00 .00	-3.06 2.86
67	1	70 71	.00 .00	66 .66	.00 .00	.00 .00	.00 .00	-2.86 2.44
68	1	71 72	.00 .00	~.84 .84	.00 .00	.00 .00	.00 .00	-2.44 1.90
69	1	72 73	.00 .00	.05 05	.00 .00	.00 .00	.00 .00	-1.90 1.93
70	1	73 74	.00 .00	1.31 -1.31	.00 .00	.00 .00	.00 .00	-1.94 2.78
71	1	74 75	.00 .00	1.11 -1.11	.00 .00	.00 .00	.00 .00	-2.78 3.49
72	1	75 76	.00 .00	25 .25	.00 .00	.00 .00	.00 .00	-3.49 3.33
73	1	76 77	.00 .00	1.09 -1.09	.00 .00	.00 .00	.00 .00	-3.33 4.03
74	1	77 78	.00 .00	-1.50 1.50	.00 .00	.00 .00	.00 .00	-4.03 3.06
75	1	78 79	.00 .00	-1.95 1.95	.00 .00	.00 .00	.00 .00	-3.06 1.81
76	1	79 80	.00 .00	-6.32 6.32	.00 .00	.00 .00	.00 .00	-1.81 -2.23
77	1	80 81	.00 .00	-5.41 5.41	.00 .00	.00 .00	.00 .00	2.23 -5.70
78	1	81 82	.00 .00	3.56 -3.56	.00 .00	.00 .00	.00 .00	5.70 -3.42
79	1	82 83	.00 .00	5.34 -5.34	.00 .00	.00 .00	.00 .00	3.42 .00
81	1	85 86	.00 .00	46.49 -46.49	.00 .00	.00 .00	.00	61.49 -31.74
82	1	86 87	.00 .00	30.27 -30.27	.00 .00	.00 .00	.00 .00	31.74 -12.36
83	1	87 88	.00 .00	17.15 -17.15	.00 .00	.00 .00	.00 .00	12.36 -1.38
84	1	88 89	.00 .00	7.66 -7.66		.00 .00	.00 .00	1.38 3.52
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				·				
MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	мом-ү	MOM-2
85	1	89 90	.00 .00	2.26 -2.26	.00 .00	.00 .00	.00 .00	-3.52 4.97
86	1	90 91	.00	- 11	.00	.00	.00	-4.97 4.90
87	1	91 92	.00	.02 02	.00 .00	.00	.00	-4.90 4.91
88	1	92	.00	07	.00	.00	.00	-4.91
89	1	93 93	.00	.07 96	.00	.00	.00 .00	4.87 -4.87
90	1	94 94	00	.96 2.22	.00	.00	.00	4.26 -4.26
		95	.00	-2.22	.00	.00	.00	5.68
91	<b>1</b> 	95 96	.00 .00	1.76 -1.76	.00 .00	.00	.00 .00	-5.68 6.81
92	1	96 97	.00 .00	-2.54 2.54	.00 .00	.00 .00	.00 .00	-6.81 5.18
93	1	97 98	00 .00	.52 52	.00	.00 .00	.00 .00	-5.18 5.51
94	1	98 99	.00 .00	11 .11	.00 .00	.00 .00	.00 .00	-5.51 5.44
95	1	99 100	.00	-7.34 7.34	.00 .00	.00 .00	.00 .00	-5.44 .75
96	1	100 101	.00	-3.13 3.13	.00	.00 .00	.00 .00	75 -1.25
97	1	101 102	.00 .00	1.94 -1.94	.00 .00	.00 .00	.00 .00	1.25
101	1	106 107	.00 .00	42.96 -42.96	.00 .00	.00 .00	.00 .00	62.88 -35.38
102	1	107 108	.00 .00	29.93 -29.93	.00 .00	.00 .00	.00 .00	35.39 -16.23
103	1	108 109	.00 .00	19.18 -19.18	.00 .00	.00 .00	.00 .00	16.23 -3.96
104	1	109 110	.00 .00	10.06 -10.06	.00 .00	.00 .00	.00 .00	3.96 2.48
105	1	110 111	.00 .00	4.00 -4.00	.00 .00	.00 .00	.00 .00	-2.48 5.04
106	1	111 112	.00 .00	1.07 -1.07	.00 .00	.00 .00	.00 .00	-5.04 5.73
107	1	112 113	.00 .00	1.18 -1.18	.00 .00	.00 .00	.00 .00	-5.73 6.48
108	1	113 114	.00 .00	4.09 -4.09	.00 .00	.00 .00	.00 .00	-6.48 9.10
109	1	114 115	.00	-1.17 1.17	.00 .00	.00 .00	.00 .00	-9.10 8.35
110	1	115 116	.00 .00	1.84 -1.84	.00 .00	.00 .00	.00 .00	-8.35 9.53
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			para diserang	and the second second		an test strategies.	ta sa wa sa sa sa sa	1. The second

				· · · ·				
MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	мом-ү	MOM-2
111	1	116 117	.00 .00	-1.60 1.60	.00 .00	.00 .00	.00 .00	-9.53 8.50
112	1	117 118	.00 .00	4,14 -4.14	.00 .00	.00 .00	.00 .00	-8.50 11.15
113	. 1	118 119	.00 .00	-10.62 10.62	.00 .00	.00 .00	.00 .00	-11.15 4.35
114	1	119 120	.00 .00	-6.81 6.81	.00 .00	.00 .00	.00 .00	-4.36 .00
121	1	127 128	.00 .00	37.48 -37.48	.00 .00	.00 .00	.00 .00	60.85 -36.86
122	1	128 129	.00 .00	26.63 -26.63	.00 .00	.00 .00	.00 .00	36.86 -19.82
123	: <b>1</b>	129 130	.00	17.95 -17.95	.00 .00	.00 .00	.00 .00	19.82 -8.33
124	1	130 131	.00 .00	12.13 -12.13	.00 .00	.00 .00	.00 .00	8.33 →.57
125	1	131 132	.00 .00	4.96 -4.96	.00 .00	.00 .00	.00 .00	.57 2.60
126	1	132 133	.00 .00	4.94 -4.94	.00 .00	.00 .00	.00 .00	-2.60 5.77
127	1	133 134	.00 .00	2.47 -2.47	.00 .00	.00 .00	.00 .00	-5.77 7.35
128	1	134 135	.00 .00	5.94 -5.94	.00 .00	.00 .00	.00 .00	-7.35 11.15
129	1	135 136	.00 .00	14.03 -14.03	.00 .00	.00 .00	.00 .00	-11.15 20.13
130	1	136 137	.00 .00	-11.46 11.46	.00 .00	.00 .00	.00 .00	-20.14 12.80
131	1	137 138	.00 .00	-9.40 9.40	.00 .00	.00 .00	.00 .00	-12.81 6.79
132	1	138 139	.00	-10.61 10.61	.00 .00	.00 .00	.00 .00	-6.79 .00
141	1	148 149	.00 .00	29.35 -29.35	.00 .00	.00 .00	.00 .00	55.68 -36.90
142	1	149 150	.00 .00	23.11 -23.11	.00 .00	.00 .00	.00 .00	36.90 -22.11
143	1	150 151	.00 .00	11.30 -11.30	.00 .00	.00 .00	.00 .00	22.11 -14.88
144	1	151 152	.00 .00	13.86 -13.86	.00 .00	.00 .00	.00 .00	14.88 -6.01
145	1	152 153	.00 .00	5.86 -5.86	.00 .00	.00 .00	.00 .00	6.01 -2.25
146	1	153 154	.00 .00	10.46 -10.46	.00 .00	.00 .00	.00 .00	2.25 4.44
147	1	154 155	.00 .00	12.08 -12.08	.00 .00	01 .01	.00 .00	-4.44 12.18
		1.	and the state of the second	· · · · · · · · · · · · · · · · · · ·		and the set of the set		요즘 가슴 그는 것

MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-2	TORSION	MOM-Y	MOM-2	
148	1	155 156	.00 .00	-5.01 5.01	.00 .00	.00 .00	.00	-12.18 8.97	
149	1	156 157	.00 .00	$-14.00 \\ 14.00$	.00 .00	01 .01	.00 .00	-8.97 .01	
161	1	169 170	.00 .00	15.21 -15.21	.00 .00	.00 .00	.00 .00	46.51 -36.78	
162	1	170 171	.00 .00	20.06 -20.06	.00 .00	.00 .00	.00 .00	36.78 -23.94	
163	1	171 172	.00 .00	6.44 -6.44	.00 .00	.00 .00	.00 .00	23.94 -19.82	۰ ۱
164	1	172 173	.00 .00	77 .77	.00 .00	.00 .00	.00 .00	19.82 -20.31	: - 
165	1	173 174	.00 .00	25.65 -25.65	.00 .00	01 .01	.00 .00	20.32 -3.90	- - - -
166	1	174 175	.00 .00	8.76 -8.76	.00 .00	01 .01	.00 .00	3.90 1.70	
167	1	175 176	.00 .00	-2.64 2.64	.00 .00	01 .01	.00 .00	-1.70 .01	
181	1	190 191	.00 .00	7.02 -7.02	.00 .00	.00 .00	.00 .00	35.81 -31.32	
182	1	191 192	.00 .00	-8.75 8.75	.00 .00	.00 .00	.00 .00	31.32 -36.92	
183	1	192 193	.00 .00	31.95 -31.95	.00 .00	.00 .00	.00	36.93 -16.48	
184	1	193 194	.00 .00	25.75 -25.75	.00 .00	.00 .00	.00 .00	16.48 .00	
191	1	211 212	.00 .00	21.96 -21.96	.00 .00	.00 .00	.00 .00	31.36 -17.31	· · · ·
192	1	212 213	.00 .00	27.03 -27.03	.00 .00	.01 01	.00 .00	17.31 01	
201	1	2 23	.00 .00	11.52 -11.52	.00 .00	.00 .00	.00 .00	9.66 -3.15	
202	- 1	23 44	.00 .00	7.56 -7.56	.00 .00	.00 .00	.00 .00	3.15 1.12	
203	1	44 65	.00 .00	2.81 -2.81	.00 .00	.00 .00	.00 .00	-1.13 2.71	
204	1	65 86	.00 .00	.14 14	.00 .00	.00 .00	.00 .00	-2.72 2.80	
205	1	86 107	.00 .00	96 .96	.00 .00	.00 .00	.00 .00	-2.80 2.26	
206	1	107 128	.00 .00	60 .60	.00 .00	.00 .00	.00 .00	-2.26 1.92	
207	1	128 149	.00 .00	.67 67	.00 .00	.00 .00	.00 .00	-1.92 2.29	

n daga ng bang sa panalan separatan sebarah dari bang bang pertahan na panalam na sa panalah na panalah na pan Pang pengengengan separatan sebarah pengenakan di Pengenang Kanala sebarah sebarah sebarah pengenah di pengenak Pang

						BOX C	ULVERT AT CH	ł. 3+660 (WING V
MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-2
209	1	170 191	.00 .00	-9.11 9.11	.00 .00	.00 .00	.00 .00	-2.29 -2.85
210	1	191 212	.00 .00	5.07 -5.07	.00	.00.	.00 .00	2.86 .00
211	1	3 24	.00 .00	45.45 -45.45	.00 .00	.00 .00	.00 .00	34.82 -9.14
212	1	24 45	.00 .00	21.18 -21.18	.00 .00	.00 .00	.00. .00	9.14 2.83
213	1	45 66	.00 .00	8.39 -8.39	.00 .00	.00 .00	.00 .00	-2.83 7.57
214	1	66 87	.00 .00	1.64 -1.64	.00	.00 .00	.00 .00	-7.57 8.50
215	1	87 108	.00 .00	-1.50 1.50	.00 .00	.00 .00	.00 .00	-8.50 7.65
216	1	108 129	.00 .00	-2.35 2.35	.00 .00	.00 .00	.00. .00	-7.65 6.32
217	1	129 150	.00 .00	-2.17 2.17	.00 .00	.00 .00	.00 .00	-6.32 5.10
218	1	150 171	.00 .00	3.78 -3.78	.00 .00	.00 .00	.00 .00	-5.10 7.23
219	1	171 192	.00 .00	14.21 -14.21	.00 .00	.00 .00	.00 .00	-7.23 15.26
220	1	192 213	.00 .00	-27.03 27.03	.00 .00	01 .01	.00 .00	-15.26 01
221	1	4 25	.00 .00	64.35 -64.35	.00 .00	.00 .00	.00 .00	55.03 -18.68
222	1	25 46	.00 .00	36.22 -36.22	.00 .00	.00 .00	.00 .00	18.68 1.79
223	1	46 67	.00 .00	16.54 -16.54	.00 .00	.00 .00	.00 .00	-1.79 11.13
224	1	67 88	.00 .00	4.84 -4.84	.00 .00	.00 .00	.00 .00	-11.13 13.87
225	1	88 109	.00 .00	- 86 .86	.00 .00	.00 .00	.00 .00	-13.87 13.38
226	1	109 130	.00 .00	-2.29 2.29	.00 .00	.00 .00	.00 .00	-13.38 12.09
227	1	130 151	.00 .00	-3.93 3.93	.00 .00	.00 .00	.00 .00	-12.09 9.87
228	1	151 172	.00 .00	-11.28 11.28	.00 .00	.00 .00	.00 .00	-9.87 3.50
229	1	172 193	.00 .00	-6.19 6.19	.00 .00	.00 .00	.00 .00	-3.50 .00
231	1	5 26	.00 .00	73.45 -73.45	.00 .00	.00 .00	.00 .00	68.97 -27.47
232	1	26 47	.00 .00	45.73 -45.73	.00 .00	.00 .00	.00 .00	27.47 -1.63

MEMBER 233	LOAD	JT	AXIAL				·	in the second	
233	1	· ·	and the second second	SHEAR-Y	SHEAR-Z	TORSION	MOM-A	MOM-2	
235	1	47 68	.00 .00	23.90 -23.90	.00 .00	.00 .00	.00 .00	1.63 11.87	· ·
234	1	68 89	.00 .00	8.82 -8.82	.00	.00 .00	.00	-11.87 16.85	
235	1	89 110	.00 .00	.08 08	.00 .00	.00 .00	.00	-16.85 16.89	
236	1	110 131	.00 .00	-3.34 3.34	.00	.00	.00	-16.89	
237	1	131	.00	-2.55	.00 .00	.00 .00	.00 .00	15.01 -15.01	
		152	.00	2.55	.00	.00	.00	13.56	i de la constan Recent
238	1	152 173	.00 .00	1.73 -1.73	.00 .00	.00 .00	.00 .00	-13.57 14.54	
239	1	173 194	.00 .00	-25.75 25.75	.00 .00	.00	.00	-14.55 .00	
241	1	6 27	.00	76.77 -76.77	.00	.00 .00	.00 .00	77.51 -34.14	
242	1	27 48	• .00 .00	50.02 -50.02	.00	.00 .00	.00	34.14 -5.88	
243	1	48 69	.00 .00	28.24 -28.24	.00 .00	.00 .00	.00 .00	5.88 10.08	
244	1	69 90	.00	11.85 -11.85	.00	.00	.00	-10.08 16.77	
245	1	90 111	.00 .00	1.16 -1.16	.00	.00 .00	.00 .00	-16.77 17.43	
246	1	111 132	.00 .00	-4.33 4.33	.00 .00	.00 .00	.00	-17.43 14.98	
247	1	132 153	.00 .00	-9.63 9.63	.00 .00	.00 .00	.00 .00	-14.98 9.54	
248	1	153 174	.00 .00	-16.89 16.89	.00 .00	.00 .00	.00 .00	-9.54 .00	
251	1	7 28	.00 .00	76.25 -76.25	.00	.00 .00	.00	81.69 -38.61	
252	1	28 49	.00 .00	50.51 -50.51	.00 .00	.00 .00	.00 .00	38.61 -10.07	
253	1	49 70	.00 .00	29.52 -29.52	.00 .00	.00 .00	.00 .00	10.07 6.61	
254	1	70 91	.00	13.21 -13.21	.00 .00	.00 .00	.00 .00	-6.61 14.07	
255	1	91 112	.00 .00	1.07 -1.07	.00 .00	.00 .00	.00 .00	-14.07 14.68	
256	1	112 133	.00 .00	-6.39 6.39	.00 .00	.00 .00	.00 .00	-14.68 11.07	
257	1	133 154	.00 .00	-8.19 8.19	.00 .00	.00 .00	.00 .00	-11.07 6.44	
258	1	154 175	.00	-11.40 11.40	.00 .00	.01 01	.00 .00	-6.44 .00	

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MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
261	1	8 29	.00 .00	73.35 -73.35	.00 .00	.00 .00	.00 .00	82.60 -41.16
262	1	29 50	.00 .00	48.51 -48.51	.00 .00	.00 .00	.00 .00	41.16 -13.75
263	1	50 71	.00 .00	28.20 -28.20	.00 .00	.00 .00	.00 .00	13.75 2.18
264	1	71 92	.00 .00	12.78 -12.78	.00 .00	.00	.00 .00	-2.18 9.40
265	1	92 113	.00 .00	1.93 -1.93	.00 .00	.00 .00	.00 .00	-9.40 10.49
266	1	113 134	.00	-7.27 7.27	.00 .00	.00 .00	.00 .00	-10.49 6.38
267	1	134 155	.00 .00	-13.92 13.92	.00 .00	.00 .00	.00 .00	-6.38 -1.49
268	1	155 176	.00 .00	2.64 -2.64	.00 .00	.01 01	.00 .00	1.49 .01
271	1	9 30	.00 .00	69.25 -69.25	.00 .00	.00 .00	.00 .00	81.30 -42.17
272	1	30 51	.00	45.38 -45.38	.00 .00	.00 .00	.00 .00	42.17 -16.53
273	1 /	51 72	.00 .00	25.61 -25.61	.00 .00	.00 .00	.00 .00	16.53 -2.06
274	1	72 93	.00 .00	10.20 -10.20	.00 .00	.00 .00	.00 .00	2.06 3.70
275	1	93 114	.00 .00	1.21 -1.21	.00 .00	.00 .00	.00 .00	-3.70 4.38
276	1	114 135	.00 .00	1.23 -1.23	.00 .00	.00 .00	.00 .00	-4.38 5.08
277	1	135 156	.00 .00	-8.99 8.99	.00 .00	.00 .00	.00 .00	-5.08 .00
281	1	10 31	.00 .00	64.62 -64.62	.00 .00	.00 .00	.00 .00	78.54 -42.03
282	1	31 52	.00 .00	41.90 -41.90	.00 .00	.00 .00	.00 .00	42.03 -18.35
283	1	52 73	.00 .00	23.46 -23.46	.00 .00	.00 .00	.00 .00	18.35 -5.10
284	1	73 94	.00 .00	8.73 -8.73	.00 .00	.00 .00	.00 .00	5.10 17
285	1	94 115	.00 .00	-3.26 3.26	.00 .00	.00 .00	.00 .00	.17 -2.01
286	1	115 136	.00 .00	-10.42 10.42	.00 .00	.00 .00	.00 .00	2.01 -7.90
287	1	136 157	.00 .00	14.00 -14.00		.01 01	,00 .00	7.91 .01
291	1	11 32	.00 .00	59.93 -59.93		.00 .00	.00 .00	74.68 -40.82
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					· . · ·		BOX	CULVERTAT	CH, 3+660 (WING WALL
• • •	MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	292	1	32 53	.00 .00	38.26 -38.26	.00 .00	.00 .00	.00 .00	40.82 -19.21
	293	1	53 74	.00 .00	21.21 -21.21	.00 .00	.00 .00	.00 .00	19.21 -7.22
	294	1	74 95	.00 .00	9.02 -9.02	.00	.00 .00	.00 .00	7.22 →2.13
	295	1	95 116	.00 .00	1.72 -1.72	.00	.00 .00	.00 .00	2.13 -1.16
	296	1	116 137	.00 .00	2.06 -2.06	.00	.00	.00	1.16 .00
	301	1	12 33	.00 .00	55.52 -55.52	.00	.00 .00	.00 .00	69.85 -38.48
	302	1	33 54	.00 .00	34.90 -34.90	.00 .00	.00	.00 .00	38.48 -18.76
	303	1	54 75	.00 .00	18.92 -18.92	.00 .00	.00	.00 .00	18.76 -8.07
	304	1	75 96	.00 .00	8.94 -8.94	.00	.00	.00 .00	8.07 -3.02
	305	1	96 117	.00 .00	6.56 -6.56	.00 .00	.00 .00	.00 .00	3.02 .68
	306	1	117 138	.00 .00	-1.21 1.21	.00	.00	.00	68 .00
	311	1	13 34	.00 .00	51.17 -51.17	.00	.00	.00 .00	63.87 -34.96
	312	1	34 55		31.82 -31.82	.00	.00 .00	.00	34.96 -16.98
	313	1	55 76	.00 .00	17.12 -17.12	.00 .00	.00 .00	.00 .00	16.98 -7.31
	314	1	76 97	.00 .00	5.51 -5.51	.00 .00	.00 .00	.00 .00	7.31
	. 315	1	97 118	.00 .00	-3.18 3.18	.00 .00	.00 .00	.00	4.20 -5.99
	316	1	118 139	.00 .00	10.61 -10.61	.00 .00	.00 .00	.00 .00	5.99 .00
	321	1	14 35	.00 .00	46.16 -46.16	.00 .00	.00 .00	.00	56.33
	322	1	35 56	.00	27.65 -27.65	.00	.00	.00	-30.26 30.26
	323	1	56	00. 00.	14.35	.00	.00	.00	-14.64 14.64
	324	1	77	.00 .00	-14.35	.00	.00 .00	.00	-6.53 6.53
	325	1	98 98	.00 .00	-7.74 3.81	.00 .00	.00	.00	-2.15 2.15
	331	1	119 15 36	.00 .00	-3.81 39.73 -39.73	.00.	.00 .00	.00	.00 46.92
			36	.00	<b>-</b> 39.73	.00	.00	.00	-24.47

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		1.1	•		м. 		BOX C	JEVERT AT CH	1. 3+660 (WING V
	MEMBER	LOAD	JT	AXIAL	SHEAR-Y	SHEAR-Z	TORSION	MOM-Y	MOM-Z
	332	1	36 57	.00	22.64 -22.64	.00 .00	.00.	.00 .00	24.47 -11.68
	333	1	57 78	.00 .00	10.78 -10.78	.00 .00	.00 .00	.00 .00	11.68 -5.59
	334	1	78 99	.00	3.08 -3.08	.00	.00 .00	.00 .00	5.59 -3.85
•	335	1	99 120	.00	6.81 -6.81	.00 .00	.00	.00 .00	3.85
	341	1	16 37	.00	29.53 -29.53	.00 .00	.00 .00	.00 .00	34.99 -18.30
	342	1	37 58	.00	16.39 -16.39	.00 .00	.00	.00 .00	18.30 -9.04
	343	1	58 79	.00 .00	9.36 -9.36	.00 .00	.00 .00	.00 .00	9.04 -3.75
	344	1	79 100	.00 .00	6.64 -6.64	.00 .00	.00 .00	.00 .00	3.75 .00
	351	1	100 17 38	.00 .00	14.92 -14.92	.00 .00	.00 .00 .00	.00	21.07 -12.64
	352	1	38	.00	11.33 -11.33	.00 .00 .00	.00 .00	.00 .00 .00	12.64 -6.24
	353	1	59 59	.00	5.97	.00	.00	.00	6.24 -2.87
	354	1	80 80	00. 00.	-5.97	.00 .00	.00 .00	.00 .00	2.87 2.87 .00
	361	1	101 18	.00	-5.07 6.27	.00 .00	.00 .00	.00	10.36
	362	1	39 39	.00	-6.27 6.95	.00 .00	.00	.00	-6.81 6.81
	363	1	60 60	.00 .00	-6.95 7.04	.00 .00	.00 .00	.00	-2.88 2.88
	371	1	81 19	00. 00.	-7.04 2.23		.00 .00	.00	1.09 2.76
	372	1	40 40	.00 .00	-2.23 .88	.00	.00 .00	.00 .00	-1.50 1.50
	373	1	61 61	.00 .00	88 1.77	.00	.00 .00	.00 .00	-1.00 1.00
	381	1	82 20	.00 .00	-1.77 .61	.00	.00 .00	.00	.00 -1.96
	382	1	41 41	.00 .00	61 1.24		.00 .00	.00 .00	2.31 -2.31
:	391	1	62 21	.00 .00	-1.24 -5.75		.00	.00 .00	3.01 -6.25
	392	1	42 42	.00 .00	5.75 -5.30	.00	.00	.00	3.00 -3.00
		•	63	.00	5.30		.00	.00	.00

\*\*\*\*\*\*\*\* END OF LATEST ANALYSIS RESULT \*\*\*\*\*\*\*\*

242. CL 243. TR 244. MA	ART CON DESI 25000 EAR 0.065 ACK 1 XMAIN 25 SIGN BEAM 14		TO 164 251 TO	254 261 TO 264	 	
				JLTS-FLE>		
1.1.1.1.1		- 414. FC - BAR INFO	FROM (MM)	SIZE - 565. X To (MM)	ANCH	•
1	264.	3 - 16MM	0.	640.	YES	YES
REQ   MAX	D STEEL= 5 /MIN/ACTUAL	MENT= 55.6 93.MM2, ROW= BAR SPACING= ELOPMENT LENGT	58 KN-MET AT 0040, ROWMX= 447./ 41./	0.MM, LOAI .0194 ROWMN= / 224.MMS		
	BEAM NO	. 141 DES1	IGN REST	JLTS-SHEAR	а. З	
AT STA	RT SUPPORT -			79 KNS Vs=	.00	KNS
AT END		STIRRUPS ARE Vu= 29.35 F STIRRUPS ARE	(NS Vc= 121.	79 KNS Vs=	.00	KNS
148J  3No16 H		639	9X 564X 349_			149
3No16 H 3#16	264. 0.TO	639 640                                   	)X 564X 349 	     3#16         	000	149
3No16 H 3#16	264. 0.TO 000 BEAM NO	639 640 1 1 1 1 1 3#16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9X 564X 349 000 000 G N R E S L	         3#16                             	000 (URE	
3No16 H 3#16 LEN -	264. 0.TO 000 BEAM NO	639 640 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9X 564X 349 000 000 G N R E S L	     3#16         	000 (URE	MMS
3No16 H 3#16 LEN -	264. 0.TO 000 BEAMNO 640. MMFY HEIGHT (MM)	639 640 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<ul> <li>DX 564X 349</li> <li>OOO</li> <li>OOO</li> <li>G N R E S U</li> <li>25. MPA, S</li> <li>FROM</li> </ul>	         3#16                                     	COO COO (URE 350. 1 ANCH STA	MMS

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BE	CAM NO	, 142 D						
	SUPPORT -	STIRRUPS Vu= 23	ARE NOT R	c= 121.79 EQUIRED. c= 121.79 EQUIRED.	an a			
_ 149J				X 349				150J
No12 H 26	56. O.TO	640						
	0000		0000 12	0	%     %     5 <del> </del>   1 %	12	00000	
		ang	이야지 않는 물론	RESUL				
EVEL	et et el composition de la composition		D FRO	. MPA, SIZ DM 4)			350. ANCI STA	IOD
1. Sec. 19 1							in the second se	ta a a da
CRITI REQD MAX/M	CAL NEG MC STEEL= 5 IN/ACTUAL	MENT= 02.MM2, BAR SPAC	ROW= .0033 ING= 451	). -MET AT , ROWMX= .0 ./ 37./ 177./ 3	0.M 0194 R 113.	M, LOAI OWMN= MMS	 ) 1	1 - 1999 1 - 1997
CRITI REQD MAX/M BASIC	CAL NEG MC STEEL= 5 IN/ACTUAL /REQD. DEV	MENT= 02.MM2, BAR SPAC ELOPMENT	22.11 KN ROW= .0033 ING= 451 LENGTH =	-MET AT , ROWMX= .0 ./ 37./	0.M 194 R 113. 59. M	M, LOAI OWMN= MMS MS	) <u>1</u> ,0033	l 1
CRITI REQD MAX/M BASIC B AT START	CAL NEG MC STEEL= 5 IN/ACTUAL /REQD. DEV E A M N C	MENT= 02.MM2, BAR SPAC ELOPMENT ). 143 D . Vu= 1 STIRRUP . Vu= 1	22.11 KN- ROW= .0033 ING= 451 LENGTH = E S I G N 1.30 KNS S DRF NOT	-MET AT , ROWMX= .0 ./ 37./ 177./ 3 R E S U I Vc= 121.79 REQUIRED. Vc= 121.79	0.M 194 R 113. 59. M . T S . T S	M, LOAI OWMN= MMS MS - SHEAI VS=	) 1 ,0033 ,0033 ,00	             
CRITI REQD MAX/M BASIC B AT START AT END 150J	CAL NEG MC STEEL= 5 IN/ACTUAL /REQD. DEV E A M N C	MENT= 02.MM2, BAR SPAC ELOPMENT . 143 D . Vu= 1 STIRRUP . Vu= 1 STIRRUP	22.11 KN ROW= .0033 ING= 451 LENGTH = E S I G N 1.30 KNS S ARE NOT 1.30 KNS S ARE NOT	-MET AT , ROWMX= .0 ./ 37./ 177./ 3 R E S U I Vc= 121.79 REQUIRED. Vc= 121.79	0.M 194 R 113. 59. M . T S . T S . KNS	M, LOAI OWMN= MMS MS - Sheai Vs= Vs=	) 1 ,0033 ,0033 ,00	               
CRITI REQD MAX/M BASIC B AT START AT END 150J	CAL NEG MC STEEL= 5 IN/ACTUAL /REQD. DEV E A M N C	MENT= 02.MM2, BAR SPAC ELOPMENT ). 143 D Vu= 1 STIRRUP Vu= 1 STIRRUP	22.11 KN ROW= .0033 ING= 451 LENGTH = E S I G N 1.30 KNS S ARE NOT 1.30 KNS S ARE NOT	-MET AT , ROWMX= .0 ./ 37./ 177./ 3 R E S U I VC= 121.79 REQUIRED. VC= 121.79 REQUIRED.	0.M 194 R 113. 59. M . T S . T S . KNS	M, LOAI OWMN= MMS MS - Sheai Vs= Vs=	) 1 ,0033 ,0033 ,00	KNS KNS
CRITI REQD MAX/M BASIC B AT START AT END 150J 5No12 H 2	CAL NEG MC STEEL= 5 IN/ACTUAL /REQD. DEV E A M N C SUPPORT - SUPPORT -	MENT= 02.MM2, BAR SPAC ELOPMENT ). 143 D Vu= 1 STIRRUP Vu= 1 STIRRUP Vu= 1 STIRRUP	22.11 KN ROW= .0033 ING= 451 LENGTH = E S I G N 1.30 KNS S ARE NOT 1.30 KNS S ARE NOT	-MET AT , ROWMX= .0 ./ 37./ 177./ 3 R E S U I VC= 121.79 REQUIRED. VC= 121.79 REQUIRED. 4X 349	0.M 194 R 113. 59. M KNS KNS KNS	M, LOAI OWMN= MMS MS - SHEAI VS= VS=	) 1 ,0033 ,0033 ,00	 

BEAMNON	and the second		1	
	44 DESIGN	RESULTS	5 - FLEXURE	
and the second	414. EC - 25	5. MPA, SIZE -	565. X 350.	MMS
LEVEL HEIGHT BA (MM)		ROM ТО 1М) (MM)	ANC STA	
1 266. 5	- 12MM	0. 640	). YES	YES
CRITICAL NEG MOMEN REQD STEEL= 502. MAX/MIN/ACTUAL BAR BASIC/REQD. DEVELO	MM2, ROW= .0033 SPACING= 451	3, ROWMX= .0194 / 37./ 113.	ROWMN= .0033 MMS	
BEAM NO. 1	.44 DESIGN	RESULTS	- SHEAR	
	IRRUPS ARE NOT	REQUIRED.	New York Constraints	
AT END SUPPORT - VU ST	IRRUPS ARE NOT		; ∨s= .0U	KNS
151J	639X 56	54X 349		152J
00000 5#12	5#12     5#12 	000	00000 5#12	
5#12 BEAMNO.1 LEN-640.MMFY- LEVEL HEIGHT BP	5#12                                     	000 1 1 1 1 1 1 1 1 1 1 1 1 1	00000 5#12 - FLEXURE 565. X 350.	I I I MMS
5#12 BEAMNO.1 LEN- 640. MMFY-	5#12                                     	500 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00000 5#12 - FLEXURE 565. X 350. ANC	I I I MMS HOR
S#12 BEAMNO.1 LEN- 640.MMFY- LEVEL HEIGHT BP (MM)	5#12                                     	DOO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	00000 5#12 - FLEXURE 565. X 350. ANC: STA	MMS HOR END
S#12 BEAMNO.1 LEN- 640.MMFY- LEVEL HEIGHT BP (MM)	5#12                                     	DOO                   I       R         I       I         I       I         I       I         I       I         I       I         I       I         I       I	00000 5#12 - FLEXURE 565. X 350. ANC STA YES MM, LOAD 1 ROWMN= .0033 MMS	MMS HOR END YES
5#12 B E A M N O. 1 LEN - 640. MM FY - LEVEL HEIGHT BA (MM) 1 266. 5   CRITICAL NEG MOMEN   REQD STEEL= 502.   MAX/MIN/ACTUAL BAR   BASIC/REQD. DEVELO	5#12                                     	DOO                   I       R         I       I         I       I         I       I         I       I         I       I         I       I         I       I	00000 5#12 - FLEXURE 565. X 350. ANC STA 5. YES MM, LOAD 1 ROWMN= .0033 MMS MMS	MMS HOR END YES
5#12 B E A M N O. 1 LEN - 640. MM FY - LEVEL HEIGHT BP (MM) 1 266. 5 - CRITICAL NEG MOMEN REQD STEEL= 502. MAX/MIN/ACTUAL BAR BASIC/REQD. DEVELC B E A M N O. 1 AT START SUPPORT - VU	5#12                                     	DOO                   I       R         I       I         I       R         I       R         I       R         I       I         I       I         I       I         I       I         I       I         I       I         I       I         <	00000 5#12 - FLEXURE 565. X 350. ANC STA YES MM, LOAD 1 ROWN= .0033 MMS MMS - SHEAR V3= .00	MMS HOR END YES

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*****			x 564X 349			170J
No12 H 266.						
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00000		   5#12	00000		• 12	0000
5#12		Jπ12 			1.2	
ante de la constant Transformation						
ለ ፕሬ	м мо 162	דפיפות	GN RES	נוו ז יי יי	- <b>FI FY</b> II	
LEN - 640.					la substa	
LEVEL HEIG	전문학 문화 정말로		FROM			la de la terra de la tra- la de la tradición de la tradición
(MM		INFO	(MM)	(MM)		STA END
CRITICAL REQD STEE MAX/MIN/A	NEG MOMENT= L= 502.MM CTUAL BAR S	36.7 2, ROW= PACING=	0. 8 KN-MET P 0033, ROWMX 451./ 37	AT 0.MI (= .0194 R( 7./ 113, 1	M, LOAD DWMN= .0 MMS	 1
CRITICAL REQD STEE	NEG MOMENT= L= 502.MM CTUAL BAR S	36.7 2, ROW= PACING=	8 KN-MET A 0033, ROWMX 451./ 37	AT 0.MI (= .0194 R( 7./ 113, 1	M, LOAD DWMN= .0 MMS	 1
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM	36.7 12, ROW= PACING= HENT LENGT	8 KN-MET A 0033, ROWMX 451./ 37	AT 0.MI (= .0194 R( 7./ 113, H / 359. MI	M, LOAD DWMN= .0 MMS MS	 1   033   
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM  M N O. 162	36.7 12, ROW= PACING= IENT LENGT DESI	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S	AT 0.M (= .0194 R( 7./ 113, T / 359. M 3 U L T S	M, LOAD DWMN= .0 MMS MS - SHEAR	
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ BEA BEA	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF	36.7 12, ROW= PACING= IENT LENGT D E S I 20.06 K RUPS ARE	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 R( 7./ 113, H / 359. MI S U L T S 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	 1   033   
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ BEA BEA	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIP PORT - Vu=	36.7 12, ROW= PACING= IENT LENGT D E S I 20.06 K RRUPS ARE 20.06 K	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 RC 7./ 113. H / 359. M 5 U L T S 21.79 KNS ED. 21.79 KNS	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	
   CRITICAL   REQD STEE   MAX/MIN/A   BASIC/REQ   B E A B E A AT START SUF	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIP PORT - Vu=	36.7 12, ROW= PACING= PACING= ENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE	8 KN-MET A 0033, ROWMX 451./ 37 H = 177./ G N R E S NS VC= 12 NOT REQUIRE NS VC= 12	AT 0.MI (= .0194 RC 7./ 113, H / 359. M S U L T S 21.79 KNS ED. 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	 1   033   
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A B E A AT START SUE AT END SUE	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF	36.7 12, ROW= PACING= PACING= ENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 RC 7./ 113, H / 359. M S U L T S 21.79 KNS ED. 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	 1   033     .00 KNS .00 KNS
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A B E A AT START SUE AT END SUE 170J	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF	36.7 12, ROW= PACING= PACING= ENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 RC 7./ 113, H / 359. M S U L T S 21.79 KNS ED. 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	 1   033     .00 KNS .00 KNS
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A B E A AT START SUE AT END SUE 170J	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF	36.7 12, ROW= PACING= PACING= ENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 RC 7./ 113, H / 359. M S U L T S 21.79 KNS ED. 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	 1   033     .00 KNS .00 KNS
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A B E A AT START SUE AT END SUE	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF	36.7 12, ROW= PACING= PACING= ENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 RC 7./ 113, H / 359. M S U L T S 21.79 KNS ED. 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR VS=	 1   033     .00 KNS .00 KNS
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A AT START SUP AT END SUP 170J 5Nol2 H 266.	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF 0.TO 640	36.7 12, ROW= PACING= PACING= IENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 639	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS VC= 12 NOT REQUIRE NS VC= 12 NOT REQUIRE NS VC= 12 NOT REQUIRE X 564X 34	AT 0.MI (= .0194 RC 7./ 113, H / 359. M S U L T S 21.79 KNS ED. 21.79 KNS ED.	M, LOAD DWMN= .0 MMS MS - SHEAR Vs= Vs=	 1   033   .00 KNS .00 KNS .00 KNS 171J
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A B E A AT START SUE AT END SUE	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF 0.TO 640	36.7 12, ROW= PACING= PACING= IENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 639	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE NS Vc= 12 NOT REQUIRE	AT 0.MI (= .0194 R( 7. / 113, H / 359. M 3 U L T S 21.79 KNS 20. 21.79 KNS 3D. 9	M, LOAD DWMN= .0 MMS MS - SHEAR Vs= Vs=	 1   033     .00 KNS .00 KNS
CRITICAL REQD STEE MAX/MIN/A BASIC/REQ B E A AT START SUP AT END SUP 170J 5No12 H 266.	NEG MOMENT= L= 502.MM CTUAL BAR S D. DEVELOPM M N O. 162 PORT - Vu= STIF PORT - Vu= STIF 0.TO 640	36.7 12, ROW= PACING= PACING= ENT LENGT 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K RUPS ARE 20.06 K	8 KN-MET P 0033, ROWMX 451./ 37 H = 177./ G N R E S NS VC= 12 NOT REQUIRE NS VC= 12 NOT REQUIRE NS VC= 12 NOT REQUIRE X 564X 34	AT 0.MI (= .0194 R( 7. / 113, H / 359. M 3 U L T S 21.79 KNS 20. 21.79 KNS 3D. 9	M, LOAD DWMN= 0 MMS MS - SHEAR Vs= Vs=	 1   033   .00 KNS .00 KNS .00 KNS 171J

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N - 640. MM FY - 414.	FC - 25. MP	A, SIZE -	565. X 350.	MMS
VEL HEIGHT BAR INF (MM)	O FROM (MM)	ТО (MM)	ANC STA	
<u> </u>				
1 266. 5 - 12M	м о.	640.	YES	YES
CRITICAL NEG MOMENT= REQD STEEL= 502.MM2, MAX/MIN/ACTUAL BAR SPAC BASIC/REQD. DEVELOPMENT	ROW= .0033, ROW ING= .451./	MX= .0194 F 37./ 113.	OWMN= .0033 MMS	
				•
BEAM NO. 163 D	ESIGN RE	SULTS	- SHEAR	
T START SUPPORT - Vu= STIRRUP T END SUPPORT - Vu=	S ARE NOT REQUI	RED.		an di san Na di san
	S ARE NOT REQUI		vs= .00	KN3
171J	639X 564X 3	49		172J
**************************************				
	00000 #12		00000 #12	
BEAM NO. 164 D	ESIGN RE	SULTS	- FLEXURE	
N - 640. MM FY - 414.	FC - 25. MP	A, SIZE -	565. X 350.	MMS
VEL HEIGHT BAR INF (MM)	O FROM (MM)	ТО (ММ)	ANC STA	HOR END
1 266. 5 - 12M	м о.	640.	YES	YES
CRITICAL NEG MOMENT= REQD STEEL= 502.MM2, MAX/MIN/ACTUAL BAR SPAC BASIC/REQD. DEVELOPMENT	20.31 KN-MET ROW= .0033, ROW ING= 451./	MX= .0194 R 37./ 113.	.OWMN= .0033 MMS	 
		SULTS	- SHEAR	
BEAM NO. 164 D	ESIGN RE			

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5No12 H 266. 0.TO 640
이 가지 않는 것 같아요. 그는 것 같아요. 한 것 같아요. 한 것 같아요. 한 것 같아요. 한 것 같아요.
00000
5#12
그는 지수는 데 가지에 좋는 것이 같이 않는 것 같은 것이 생각하는 것이 같은 것이 같은 것이 같은 것이 같은 것이 같은 것이 없는 것이 같이 없다.
이 가슴에 가지 않는 것 같아요. 이 가지 않는 것 같아요. 이 가슴에 가지 않는 것 같아요. 가슴에 가지 않는 것 같아요. 가슴에 가지 않는 것 같아요. 같이 같은 것은 것 같아요. 이 가슴에 가지 않는 것 같아요. 가슴에 가지 않는 것 같아요. 가슴에 가지 않는 것 같아요. 가슴이 가지 않는 것 같아요. 가슴이 가지 않는 것 같아요. 가슴이 가지 않
· 그는 사람이 가지 않는 것 같은 것 같
BEAM NO. 251 DESIGN RESULTS – FLEXURE
LEN - 565. MM FY - 414. FC - 25. MPA, SIZE - 640. X 350. MMS
LEVEL HEIGHT BAR INFO FROM TO ANCHOR
(MM) (MM) STA END
u elemental de la companya de la contra de la Contra de la contra d
에는 가장 같은 것 같은 것은 것 같은 것은 것은 것은 것은 것이 있는 것이다. 이 가장
1 266. 8 - 12MM 0. 565. YES YES
CRITICAL NEG MOMENT= 81.69 KN-MET AT 0.MM, LOAD 1     REQD STEEL= 867.MM2, ROW= .0051, ROWMX= .0194 ROWMN= .0033
MAX/MIN/ACTUAL BAR SPACING= .526./ 37./ 75. MMS
BASIC/REQD. DEVELOPMENT LENGTH = 177./ 359. MMS
이는 것은 것이 가지 않는 것이 가지만, 이가 같은 것은 것이 있는 것이 같은 것이 같은 것이 같은 것이 같이 있는 것이 같이 있는 것이 같이 있다. 이가 가지만 것은 것이 같은 같은 것이 같은 것이 같은 것은 것은 것이 같은 것이 같이 있다.
BEAM NO. 251 DESIGN RESULTS - SHEAR
BEAM NO. 251 DESIGN RESULTS - SHEAR
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS         PROVIDE 12 MM BARS AT 130. MM       C/C FOR       565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS         PROVIDE 12 MM BARS AT 130. MM       C/C FOR       565. MM         PROVIDE 12 MM BARS AT 130. MM       C/C FOR       565. MM         7J       564X 639X       349       28J
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS         PROVIDE 12 MM BARS AT 130. MM C/C FOR       565. MM         AT END SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS         PROVIDE 12 MM BARS AT 130. MM C/C FOR       565. MM         7J       564X 639X 349       28J
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS         PROVIDE 12 MM BARS AT 130. MM       C/C FOR       565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS         PROVIDE 12 MM BARS AT 130. MM       C/C FOR       565. MM         PROVIDE 12 MM BARS AT 130. MM       C/C FOR       565. MM         7J       564X 639X       349       28J
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM 7J
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM 7J
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM 7J
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM 7J
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         7J       564X 639X 349       28J         8No12 H 266.       0.TO 565       6*12c/c130         1       1       1
AT START SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM AT END SUPPORT - Vu= 76.25 KNS Vc= 137.96 KNS Vs= .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM 7J
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         7J       564X 639X 349       28J         8No12 H 266.       0.TO 565       6*12c/c130         6*12c/c130       6*12c/c130
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         7J       564X 639X 349       28J         8No12 H 266.       0.TO 565       6*12c/c130         6*12c/c130       6*12c/c130
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         7J       564X 639X 349       28J         8No12 H 266.       0.TO 565       6*12c/c130         6*12c/c130       6*12c/c130
AT START SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         AT END       SUPPORT - Vu=       76.25 KNS Vc=       137.96 KNS Vs=       .00 KNS PROVIDE 12 MM BARS AT 130. MM C/C FOR 565. MM         7J       564X 639X 349       28J         8No12 H 266.       0.TO 565       6*12c/c130         6*12c/c130       6*12c/c130

**=**||

BEAMN	0, 252 DESI	GN RESUL	TS-FLEX	URE
LEN - 565. MM	FY - 414, FC -	25. MPA, SIZ	E - 640.X	350. MMS
LEVEL HEIGHT (MM)	BAR INFO	FROM (MM)	TO (MM)	ANCHOR STA END
1 264.	3 - 16MM	0.	565.	YES YES
REQD STEEL=	MOMENT= 38.61 568.MM2, ROW= ( L BAR SPACING= EVELOPMENT LENGTH	KN-MET AT 0033, ROWMX= .0 522./ 41./	0.MM, LOAD 194 ROWMN= .( 261. MMS	 1
BEAMN	0.252 DESI	GN RESUL	T S – SHEAR	
	- Vu= 50.51 KN STIRRUPS ARE N - Vu= 50.51 KN	NOT REQUIRED.		.00 KNS
	STIRRUPS ARE		ANO V5-	.00 KNS
28J	5642	(639X 349		49J
3No16 H 264. 0.	TO 565			
3No16 H 264. 0. 		000		000
000 3#16 BEAMN LEN - 565. MM	0. 253 DESI FY - 414. FC -	GN RESUL	T S - FLEXU	JRE
000 3#16 BEAMN LEN - 565. MM	0. 253 DESI	G N R E S U L 25. MPA, SIZ FROM	T S - FLEXU	JRE
000 3#16 BEAMN LEN - 565. MM LEVEL HEIGHT (MM)	0. 253 DESI FY - 414. FC -	G N R E S U L 25. MPA, SIZ FROM (MM)	         T S - FLEXI E - 640. X TO	JRE 350. MMS ANCHOR
000 3#16 B E A M N LEN - 565. MM LEVEL HEIGHT (MM) 1 86. 	0. 253 DESI FY - 414. FC - BAR INFO	G N R E S U L 25. MPA, SIZ FROM (MM) 0. 0. KN-MET AT 0033, ROWMX= .0 522./ 41./	     T S - FLEXU E - 640. X TO (MM) 565. 565. 565. 194 ROWMN= .( 261. MMS	JRE 350. MMS ANCHOR STA END YES YES 1
000 3#16 B E A M N LEN - 565. MM LEVEL HEIGHT (MM) 1 86. CRITICAL POS REQD STEEL= MAX/MIN/ACTUA	<pre>               3#16               3#16  </pre>	G N R E S U L 25. MPA, SIZ FROM (MM) 0. 0. KN-MET AT 0033, ROWMX= .0 522./ 41./ I = 316./ 4	     T S - FLEXU E - 640. X TO (MM) 565. 565. 565. 194 ROWMN= .( 261. MMS	JRE 350. MMS ANCHOR STA END YES YES 1

	S - SHEAR	
AT START SUPPORT - Vu= 29.52 KNS Vc= 137.96 KN STIRRUPS ARE NOT REQUIRED.		an a star
AT END SUPPORT - Vu= 29.52 KNS Vc= 137.96 KN STIRRUPS ARE NOT REQUIRED.	S V5= .00	KNS
49J 564X 639X 349		70J
3No16 H 264. 0.TO 565 3No16 H 86. 0.TO 565		
		⇒======1
000	000	
3#16 ************************************	3⋕16	
3#16     3#16     4   4   4   4   4   4   4   4   4	3#16 000	
BEAM NO. 254 DESIGN RESULT		
LEN - 565. MM FY - 414. FC - 25. MPA, SIZE -	640. X 350.	MMS
LEVEL HEIGHT BAR INFO FROM TO (MM) (MM) (MM)	the second states of the second se	the second second second second
a <u>n an an</u>		
1 86. 3 - 16MM 0. 56	55. YES	YES
CRITICAL POS MOMENT= 14.07 KN-MET AT 565 REQD STEEL= 568.MM2, ROW= .0033, ROWMX= .0194	ROWMN= .0033	
MAX/MIN/ACTUAL BAR SPACING= 522./ 41./ 263 BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450		1       
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450	MMS	
BEAMNO. 254 DESIGNRESULT	MMS S - SHEAR	
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450	MMS S - Shear NS Vs= .01	
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI	MMS S - SHEAR NS Vs= .00 NS Vs= .00	
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED.	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BEAMNO. 254 DESIGN RESULT BEAMNO. 254 DESIGN RESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED.	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED.	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. 70J564X 639X 349	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. 70J564X 639X 349	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. 70J564X 639X 349	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 BEAMNO. 254 DESIGNRESULT AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. 70J564X 639X 349	MMS S - SHEAR NS Vs= .00 NS Vs= .00	) KNS ) KNS
BASIC/REQD. DEVELOPMENT LENGTH = 316./ 450 B E A M N O. 254 D E S I G N R E S U L T AT START SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. AT END SUPPORT - Vu= 13.21 KNS Vc= 137.96 KI STIRRUPS ARE NOT REQUIRED. 70J 564X 639X 349 3No16 H 86. 0.TO 565	MMS S - SHEAR NS Vs= .01 NS Vs= .01	

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	BEAM N	O. 261 DES	I G N RE	SULIS-	FLEXURE
EN -	565. MM F	FY - 414 FC	. – 25 мра	ST2E → 640	D. X 350. MMS
	HEIGHT (MM)		FROM (MM)	то (MM)	ANCHOR STA END
CRI REQ MAX	TICAL NEG N D STEEL= /MIN/ACTUAI	8 - 12MM 10MENT= 82 892.MM2, ROW= BAR SPACING= VELOPMENT LEN	.0053, ROWM 526./ 3	X= .0194 ROWN 7./ 75. MMS	4N= .0033   S
		O. 261 DES			
		PROVIDE 12 - Vu= 73.35	MM BARS AT 1 KNS Vc= 1	30. MM C/C E	.00 KNS
8J			64X 639X 34	9	29J
			Martin and Anna and Anna Anna A		그는 그 그 사람들이 가지 않는 것이 있는 것이 같아.
	0000000	8#12             	0000000	8#12         	0000000
3#12 	BEAM N 565. MM E	8#12                                     	IGN RE 2 - 25. MPA	SULTS- 640	2 Flexure ). x 350. mms
3#12 _EN -	BEAM N 565. MM E	8#12                                     	IGN RE 2 - 25. MPA	8#12                                       	2 FLEXURE
3#12 LEN - LEVEL	B E A M N 565. MM E HEIGHT (MM) 264. TICAL NEG N	8#12                                     	IGN RE 2 - 25. MPA FROM (MM) 0. 	8#12                     S U L T S - , SIZE - 640 TO (MM) 565. AT 0.MM,	2 FLEXURE D. X 350. MMS ANCHOR STA END YES YES LOAD 1
JEN - JEVEL 1 CRI REQ MAX BAS	B E A M N 565. MM E HEIGHT (MM) 264. 264. TICAL NEG N D STEEL= MIN/ACTUAI SIC/REQD. DE	8#12                                     	5 I G N R E 2 - 25. MPA FROM (MM) 0. .16 KN-MET = .0033, ROWM 522./ 4 IGTH = 316.	8#12                                     	2 FLEXURE ) X 350. MMS ANCHOR STA END YES YES LOAD 1   M= .0033   3

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No16 H 264. 0.TO 565					
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BEAM NO. 263	DESTGN	JRESH	ד. ד. ד. א ד. ד	FXURE	
	A set of states.				
JEN - 565. MM FY - 4	14. FC - 25	5. MPA, SI	ZE - 640.	X 350.	MMS
EVEL HEIGHT BAR	INFO FF	Rom	то	ANCH	IOR
(MM)	<b>4)</b>	4M)	(MM)	STA	END
1	1 6 104	4.4	6 <i>6</i> 6	***	VEO
1 86. 3 -	TOLINI	44. 	565.	NO	YES
MAX/MIN/ACTUAL BAR S	SPACING= 522		261. MMS	= .0033	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM	SPACING= 522 MENT LENGTH =	2./ 41./ 316./	261. MMS 450. MMS		YPC
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 -	PACING= 52: IENT LENGTH = 16MM	2./ 41./ 316./ 0.	261. MMS 450. MMS 565.	YES	YES
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT=	SPACING= 522 MENT LENGTH = 16MM = 13.75 KI	2./ 41./ 316./ 0. N-MET AT	261. MMS 450. MMS 565.	YES	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S	PACING= 522 MENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52	2./ 41./ 316./ 0. N-MET AT 3, ROWMX=. 2./ 41./	261. MMS 450. MMS 565. 0.MM, L( 0194 ROWMN- 261. MMS	YES	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM	PACING= 522 MENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52	2./ 41./ 316./ 0. N-MET AT 3, ROWMX=. 2./ 41./	261. MMS 450. MMS 565. 0.MM, L( 0194 ROWMN- 261. MMS	YES	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH =	2./ 41./ 316./ 0. N-MET AT 3, ROWMX= 2./ 41./ 316./	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN- 261. MMS 478. MMS	YES DAD 1 = .0033	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH =	2./ 41./ 316./ 0. N-MET AT 3, ROWMX= 2./ 41./ 316./	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN- 261. MMS 478. MMS	YES DAD 1 = .0033	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM B E A M N O. 260 AT START SUPPORT - Vu=	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 IENT LENGTH = 3 D E S I G 28.20 KNS	2./ 41./ 316./ 0. N-MET AT 3, ROWMX=. 2./ 41./ 316./ N R E S U Vc= 137.9	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN 261. MMS 478. MMS L T S - SH	YES DAD 1 = .0033 EAR	
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT- REQD STEEL= 568.MI MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM B E A M N O. 26 AT START SUPPORT - Vu= STII	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED.	261. MMS 450. MMS 565. 0.MM, LC 0194 ROWMN 261. MMS 478. MMS L T S - SHI 26 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM B E A M N O. 263 AT START SUPPORT - Vu= STIN AT END SUPPORT - Vu=	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT	2./ 41./ 316./ 0. N-MET AT 3, ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9	261. MMS 450. MMS 565. 0.MM, LC 0194 ROWMN 261. MMS 478. MMS L T S - SHI 26 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM B E A M N O. 260 AT START SUPPORT - Vu= STIL AT END SUPPORT - Vu= STIL	PACING= 522 MENT LENGTH = 16MM = 13.75 KH 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT	2./ 41./ 316./ 0. N-MET AT 3, ROWMX=. 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED.	261. MMS 450. MMS 565. 0.MM, LC 0194 ROWMN 261. MMS 478. MMS L T S - SH 36 KNS Vs= 36 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT= REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM B E A M N O. 260 AT START SUPPORT - Vu= STIL AT END SUPPORT - Vu= STIL	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS	2./ 41./ 316./ 0. N-MET AT 3, ROWMX=. 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED.	261. MMS 450. MMS 565. 0.MM, LC 0194 ROWMN 261. MMS 478. MMS L T S - SH 36 KNS Vs= 36 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM BEAM NO. 26 AT START SUPPORT - Vu= STII AT END SUPPORT - Vu= STII 50J	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 564X 6	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, LC 0194 ROWMN 261. MMS 478. MMS L T S - SH 36 KNS Vs= 36 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM B E A M N O. 263 AT START SUPPORT - Vu= STIL AT END SUPPORT - Vu= STIL 50J 3No16 H 264. 0.TO 56	SPACING=       522         MENT LENGTH =         16MM         =       13.75 KI         42, ROW=       003         SPACING=       52         MENT LENGTH =         3 D E S I G         28.20 KNS         RRUPS ARE NOT         28.20 KNS         RRUPS ARE NOT         5	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, LC 0194 ROWMN 261. MMS 478. MMS L T S - SH 36 KNS Vs= 36 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM BEAM NO. 26 AT START SUPPORT - Vu= STIL AT END SUPPORT - Vu= STIL 50J 3No16 H 264. 0.TO 56 3No16 H 86. 44.TO	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= 003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 564X 6	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN 261. MMS 478. MMS L T S - SH 96 KNS Vs= 96 KNS Vs=	YES DAD 1 = .0033 EAR .00 .00	KNS KNS 71J
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM BEAM NO. 26 AT START SUPPORT - Vu= STIL AT END SUPPORT - Vu= STIL 50J 3No16 H 264. 0.TO 56 3No16 H 86. 44.TO	PACING= 522 IENT LENGTH = 16MM = 13.75 KI 42, ROW= 003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 564X 6	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN 261. MMS 478. MMS L T S - SH 96 KNS Vs= 96 KNS Vs=	YES DAD 1 = .0033 EAR .00	KNS KNS 71J
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MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - 3 CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM BEAM NO. 263 AT START SUPPORT - VU= STI AT END SUPPORT - VU= STI 50J 3No16 H 264. 0.TO 56 3No16 H 86. 44.TO	SPACING=       522         IENT LENGTH =         16MM         =       13.75 KI         42, ROW=       003         SPACING=       52         MENT LENGTH =         3 D E S I G         28.20 KNS         RRUPS ARE NOT         28.20 KNS         RRUPS ARE NOT         5         564X 6	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN- 261. MMS 478. MMS L T S - SHI 96 KNS Vs= 96 KNS Vs=	YES DAD 1 = .0033 EAR .00 .00	KNS KNS 71J
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MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - 3 CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM BEAM NO. 263 AT START SUPPORT - VU= STI AT END SUPPORT - VU= STI 50J 3No16 H 264. 0.TO 56 3No16 H 86. 44.TO	<pre>SPACING= 522 MENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 564X 6 5 5 565 5 6 5 5 5 6 5 5 5 5 5 5 5 5 5</pre>	2./ 41./ 316./ 0. N-MET AT 3, ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN- 261. MMS 478. MMS L T S - SHI 26 KNS VS= 26 KNS VS= 26 KNS VS=	YES DAD 1 = .0033 EAR .00 .00	KNS KNS 71J
MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM 2 264. 3 - 3 CRITICAL NEG MOMENT- REQD STEEL= 568.MM MAX/MIN/ACTUAL BAR S BASIC/REQD. DEVELOPM BEAM NO. 263 AT START SUPPORT - VU= STI AT END SUPPORT - VU= STI 50J 3No16 H 264. 0.TO 56 3No16 H 86. 44.TO	<pre>SPACING= 522 MENT LENGTH = 16MM = 13.75 KI 42, ROW= .003 SPACING= 52 MENT LENGTH = 3 D E S I G 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 28.20 KNS RRUPS ARE NOT 564X 6 5 5 565 5 6 5 5 5 6 5 5 5 5 5 5 5 5 5</pre>	2./ 41./ 316./ 0. N-MET AT 3. ROWMX= . 2./ 41./ 316./ N R E S U Vc= 137.9 REQUIRED. Vc= 137.9 REQUIRED. 39X 349	261. MMS 450. MMS 565. 0.MM, L0 0194 ROWMN- 261. MMS 478. MMS L T S - SHI 26 KNS VS= 26 KNS VS= 26 KNS VS=	YES DAD 1 = .0033 EAR .00 .00	KNS KNS 71J

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	BEAM NG	D. 264 DESI	GNRES	ULTS-	FLEXURE	
LEN -	565. MM F	Y - 414. FC -	25. MPA,	SIZE - 6	10. X 350	. MMS
LEVEL	HEIGHT (MM)	BAR INFO	FROM (MM)	TO (MM)	AN STA	CHOR END
1	86.	3 — 16мм	0.	565.	YES	YES
I RI	EQD STEEL= AX/MIN/ACTUAL	OMENT= 9.4 568.MM2, ROW= BAR SPACING= VELOPMENT LENGT	0033, ROWMX 522./ 41	= .0194 ROM ./ 261. MM	VMN= .0033 1S	1
9149	TART SUPPORT	D. 264 DESI - Vu= 12.78 K STIRRUPS ARE - Vu= 12.78 K STIRRUPS ARE	NS VC= 13 NOT REQUIRE NS VC= 13	7.96 KNS V D. 7.96 KNS V	/s= .0	0 KNS 0 KNS
7	1J	564	X 639X 349			92J
	H 86. 0.T(	D 565				
			· · · · · · · · · · · · · · · · · · ·			
3#16	000	3#16     	000	3#1     3#1 	.6 000	
- 1 1			ション・ちょうか かいかい たいたい			

## 246. END CON DESIGN 247. FINISH \*\*\*\*\* DATE= JAN 30,2000 TIME= 9:15:43 \*\*\*\* \* For questions on STAAD-III, contact: \* Research Engineers, Inc at \* West Coast: Ph- (714) 974-2500 Fax- (714) 921-2543 \* \* East Coast: Ph- (508) 688-3626 Fax- (508) 685-7230 \*