

ANEXO B

B.1. TABLA DE ENTRADA ARMADURA CON EXCENTRICIDAD

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 1
7/21/02 18:40:56

HOME

STATIC LOAD CASES

STATIC CASE	CASE TYPE	SELF WT FACTOR
MUERTA	DEAD	0.0000
VIVA	LIVE	0.0000

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 2
7/21/02 18:40:56

HOME

JOINT DATA

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	RESTRAINTS	ANGLE-A	ANGLE-B	ANGLE-C
1	-2.49000	0.00000	0.83000	1 1 1 1 0 1	0.000	0.000	0.000
2	-0.83000	0.00000	0.83000	0 1 0 0 0 0	0.000	0.000	0.000
3	0.83000	0.00000	0.83000	0 1 0 0 0 0	0.000	0.000	0.000
4	2.49000	0.00000	0.83000	0 1 1 1 0 1	0.000	0.000	0.000
5	-1.66000	0.00000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
6	0.00000	0.00000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
7	1.66000	0.00000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
8	-2.49000	-0.11000	0.83000	1 1 1 1 0 1	0.000	0.000	0.000
9	-0.83000	-0.11000	0.83000	0 1 0 0 0 0	0.000	0.000	0.000
10	0.83000	-0.11000	0.83000	0 1 0 0 0 0	0.000	0.000	0.000
12	-1.66000	-0.11000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
13	0.00000	-0.11000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
14	1.66000	-0.11000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
16	-0.83000	0.11000	0.83000	0 1 0 0 0 0	0.000	0.000	0.000
17	0.83000	0.11000	0.83000	0 1 0 0 0 0	0.000	0.000	0.000
18	2.49000	0.11000	0.83000	0 1 1 1 0 1	0.000	0.000	0.000
19	-1.66000	0.11000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
20	0.00000	0.11000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000
21	1.66000	0.11000	0.00000	0 1 0 0 0 0	0.000	0.000	0.000

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 3
7/21/02 18:40:57

HOME

JOINT SPRING DATA

JOINT	K-U1	K-U2	K-U3	K-R1	K-R2	K-R3
18	0.000	10.000	0.000	0.000	0.000	0.000

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 4
7/21/02 18:40:57

HOME

FRAME ELEMENT DATA

FRAME	JNT-1	JNT-2	SECTION	ANGLE	RELEASES	SEGMENTS	R1	R2	FACTOR	LENGTH
1	1	2	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
2	2	3	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
3	3	4	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
4	5	6	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
5	6	7	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
6	8	12	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
7	9	13	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
8	10	14	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
9	19	16	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
10	20	17	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
11	21	18	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
12	8	1	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
13	12	5	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
14	5	19	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
15	9	2	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
16	2	16	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
17	13	6	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
18	6	20	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
19	10	3	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
20	3	17	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
21	14	7	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
22	7	21	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110
23	4	18	PASADOR	0.000	000000	4	0.000	0.000	1.000	0.110

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 5
7/21/02 18:40:57

HOME

J O I N T F O R C E S Load Case MUERTA

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	GLOBAL-XX	GLOBAL-YY	GLOBAL-ZZ
2	0.000	0.000	-146.000	0.000	0.000	0.000
3	0.000	0.000	-146.000	0.000	0.000	0.000

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 6
7/21/02 18:40:57

HOME

J O I N T F O R C E S Load Case VIVA

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	GLOBAL-XX	GLOBAL-YY	GLOBAL-ZZ
2	0.000	0.000	-500.000	0.000	0.000	0.000
3	0.000	0.000	-500.000	0.000	0.000	0.000

B.2. TABLA DE SALIDA ARMADURA CON EXCENTRICIDAD

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 1
7/21/02 18:41:35

HOME

LOAD COMBINATION MULTIPLIERS

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ENV				COMB1
		MUERTA	1.0000	STATIC(DEAD)	
		VIVA	1.0000	STATIC(LIVE)	

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 2
7/21/02 18:41:35

HOME

JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
1	COMB1	0.0000	0.0000	0.0000	0.0000	0.0728	0.0000
2	COMB1	-1.147E-04	0.0000	-0.1388	8.273E-03	0.0496	-0.8985
3	COMB1	-3.440E-04	0.0000	-0.1392	-8.273E-03	-0.0493	-0.8985
4	COMB1	-4.587E-04	0.0000	0.0000	0.0000	-0.0737	0.0000
5	COMB1	-6.492E-04	0.0000	-0.0511	-0.0496	0.0660	-0.3261
6	COMB1	-4.198E-04	0.0000	-0.1409	0.0000	2.996E-04	-0.9065
7	COMB1	-1.905E-04	0.0000	-0.0518	0.0496	-0.0659	-0.3261
8	COMB1	0.0000	0.0000	0.0000	0.0000	0.0728	0.0000
9	COMB1	-0.0989	0.0000	-0.1398	8.223E-03	0.0496	-0.8984
10	COMB1	-0.0971	0.0000	-0.1274	-0.1868	-0.0493	-0.8391
12	COMB1	-0.0344	0.0000	-0.0346	-0.2281	0.0660	-0.2668
13	COMB1	-0.1001	0.0000	-0.1409	8.918E-05	2.987E-04	-0.9066
14	COMB1	-0.0382	0.0000	-0.0682	0.2282	-0.0659	-0.3855
16	COMB1	0.0966	0.0000	-0.1270	0.1868	0.0496	-0.8391
17	COMB1	0.0985	0.0000	-0.1401	-8.223E-03	-0.0493	-0.8984
18	COMB1	-1.601E-03	0.0000	0.0000	0.0000	-0.0737	0.0000
19	COMB1	0.0373	0.0000	-0.0675	-0.2282	0.0660	-0.3855
20	COMB1	0.0993	0.0000	-0.1409	-8.918E-05	3.005E-04	-0.9066
21	COMB1	0.0336	0.0000	-0.0354	0.2281	-0.0659	-0.2668

SAP2000 v7.10 File: ESTAS300 Kgf-m Units PAGE 3
7/21/02 18:41:35

HOME

JOINT REACTIONS

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB1	646.0007	-0.0223	1.112E-03	-47.3186	0.0000	-0.0123
2	COMB1	0.0000	-0.0223	0.0000	0.0000	0.0000	0.0000
3	COMB1	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000
4	COMB1	0.0000	0.0223	1.112E-03	47.3186	0.0000	-35.5424
5	COMB1	0.0000	-0.0306	0.0000	0.0000	0.0000	0.0000
6	COMB1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
7	COMB1	0.0000	0.0306	0.0000	0.0000	0.0000	0.0000
8	COMB1	-646.0007	-7.877E-03	645.9989	-70.9061	0.0000	70.9017
9	COMB1	0.0000	-0.0286	0.0000	0.0000	0.0000	0.0000
10	COMB1	0.0000	-0.0188	0.0000	0.0000	0.0000	0.0000
12	COMB1	0.0000	7.877E-03	0.0000	0.0000	0.0000	0.0000
13	COMB1	0.0000	0.0286	0.0000	0.0000	0.0000	0.0000
14	COMB1	0.0000	0.0188	0.0000	0.0000	0.0000	0.0000
16	COMB1	0.0000	0.0188	0.0000	0.0000	0.0000	0.0000
17	COMB1	0.0000	0.0286	0.0000	0.0000	0.0000	0.0000
18	COMB1	0.0000	7.877E-03	645.9989	70.9061	0.0000	35.3717
19	COMB1	0.0000	-0.0188	0.0000	0.0000	0.0000	0.0000
20	COMB1	0.0000	-0.0286	0.0000	0.0000	0.0000	0.0000
21	COMB1	0.0000	-7.877E-03	0.0000	0.0000	0.0000	0.0000

HOME

FRAME ELEMENT FORCES

FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	COMB1							
	0.00		-646.00	-1.112E-03	-2.229E-02	47.32	-1.234E-02	-7.645E-04
	4.2E-01		-646.00	-1.112E-03	-2.229E-02	47.32	-3.084E-03	-3.028E-04
	8.3E-01		-646.00	-1.112E-03	-2.229E-02	47.32	6.168E-03	1.589E-04
	1.24		-646.00	-1.112E-03	-2.229E-02	47.32	1.542E-02	6.206E-04
	1.66		-646.00	-1.112E-03	-2.229E-02	47.32	2.467E-02	1.082E-03
2	COMB1							
	0.00		-1292.00	-1.827E-06	-4.458E-02	-94.64	-3.701E-02	6.774E-04
	4.2E-01		-1292.00	-1.827E-06	-4.458E-02	-94.64	-1.850E-02	6.782E-04
	8.3E-01		-1292.00	-1.827E-06	-4.458E-02	-94.64	0.00	6.789E-04
	1.24		-1292.00	-1.827E-06	-4.458E-02	-94.64	1.850E-02	6.797E-04
	1.66		-1292.00	-1.827E-06	-4.458E-02	-94.64	3.701E-02	6.804E-04
3	COMB1							
	0.00		-646.00	1.112E-03	-2.229E-02	47.32	-2.467E-02	1.090E-03
	4.2E-01		-646.00	1.112E-03	-2.229E-02	47.32	-1.542E-02	6.289E-04
	8.3E-01		-646.00	1.112E-03	-2.229E-02	47.32	-6.168E-03	1.675E-04
	1.24		-646.00	1.112E-03	-2.229E-02	47.32	3.084E-03	-2.938E-04
	1.66		-646.00	1.112E-03	-2.229E-02	47.32	1.234E-02	-7.552E-04
4	COMB1							
	0.00		1292.00	-1.042E-03	-3.058E-02	283.96	-2.140E-02	-4.141E-04
	4.2E-01		1292.00	-1.042E-03	-3.058E-02	283.96	-8.707E-03	1.841E-05
	8.3E-01		1292.00	-1.042E-03	-3.058E-02	283.96	3.984E-03	4.509E-04
	1.24		1292.00	-1.042E-03	-3.058E-02	283.96	1.667E-02	8.834E-04
	1.66		1292.00	-1.042E-03	-3.058E-02	283.96	2.937E-02	1.316E-03
5	COMB1							
	0.00		1292.00	1.035E-03	-3.058E-02	283.96	-2.937E-02	1.314E-03
	4.2E-01		1292.00	1.035E-03	-3.058E-02	283.96	-1.667E-02	8.843E-04
	8.3E-01		1292.00	1.035E-03	-3.058E-02	283.96	-3.984E-03	4.547E-04
	1.24		1292.00	1.035E-03	-3.058E-02	283.96	8.707E-03	2.502E-05
	1.66		1292.00	1.035E-03	-3.058E-02	283.96	2.140E-02	-4.046E-04
6	COMB1							
	0.00		913.58	1.251E-03	-7.877E-03	100.27	-3.082E-03	7.645E-04
	5.9E-01		913.58	1.251E-03	-7.877E-03	100.27	1.541E-03	2.999E-05
	1.17		913.58	1.251E-03	-7.877E-03	100.27	6.164E-03	-7.045E-04
7	COMB1							
	0.00		-4.167E-04	1.060E-03	-2.859E-02	-5.829E-02	-1.673E-02	8.392E-04
	5.9E-01		-4.167E-04	1.060E-03	-2.859E-02	-5.829E-02	5.058E-05	2.173E-04
	1.17		-4.167E-04	1.060E-03	-2.859E-02	-5.829E-02	1.683E-02	-4.046E-04
8	COMB1							
	0.00		-913.58	6.065E-04	-1.883E-02	-100.32	-1.376E-02	4.294E-04
	5.9E-01		-913.58	6.065E-04	-1.883E-02	-100.32	-2.705E-03	7.344E-05
	1.17		-913.58	6.065E-04	-1.883E-02	-100.32	8.347E-03	-2.825E-04
9	COMB1							
	0.00		-913.58	-6.175E-04	-1.883E-02	-100.32	-8.347E-03	-2.904E-04
	5.9E-01		-913.58	-6.175E-04	-1.883E-02	-100.32	2.705E-03	7.194E-05
	1.17		-913.58	-6.175E-04	-1.883E-02	-100.32	1.376E-02	4.343E-04
10	COMB1							
	0.00		-4.035E-04	-1.058E-03	-2.859E-02	-5.829E-02	-1.683E-02	-4.028E-04
	5.9E-01		-4.035E-04	-1.058E-03	-2.859E-02	-5.829E-02	-5.058E-05	2.182E-04
	1.17		-4.035E-04	-1.058E-03	-2.859E-02	-5.829E-02	1.673E-02	8.392E-04
11	COMB1							
	0.00		913.58	-1.229E-03	-7.877E-03	100.27	-6.164E-03	-6.871E-04
	5.9E-01		913.58	-1.229E-03	-7.877E-03	100.27	-1.541E-03	3.404E-05
	1.17		913.58	-1.229E-03	-7.877E-03	100.27	3.082E-03	7.552E-04
12	COMB1							

	0.00	0.00	0.00	0.00	7.645E-04	0.00	0.00
	2.8E-02	0.00	0.00	0.00	7.645E-04	0.00	0.00
	5.5E-02	0.00	0.00	0.00	7.645E-04	0.00	0.00
	8.2E-02	0.00	0.00	0.00	7.645E-04	0.00	0.00
	1.1E-01	0.00	0.00	0.00	7.645E-04	0.00	0.00
13	COMB1						
	0.00	0.00	-646.00	646.00	7.045E-04	70.91	70.90
	2.8E-02	0.00	-646.00	646.00	7.045E-04	53.14	88.66
	5.5E-02	0.00	-646.00	646.00	7.045E-04	35.38	106.43
	8.2E-02	0.00	-646.00	646.00	7.045E-04	17.61	124.19
	1.1E-01	0.00	-646.00	646.00	7.045E-04	-1.518E-01	141.96
14	COMB1						
	0.00	0.00	-646.00	-646.00	2.904E-04	-1.304E-01	-142.00
	2.8E-02	0.00	-646.00	-646.00	2.904E-04	17.63	-124.24
	5.5E-02	0.00	-646.00	-646.00	2.904E-04	35.40	-106.47
	8.2E-02	0.00	-646.00	-646.00	2.904E-04	53.16	-88.71
	1.1E-01	0.00	-646.00	-646.00	2.904E-04	70.93	-70.94
15	COMB1						
	0.00	0.00	-1.044E-03	-4.546E-04	8.392E-04	5.305E-02	2.939E-02
	2.8E-02	0.00	-1.044E-03	-4.546E-04	8.392E-04	5.306E-02	2.942E-02
	5.5E-02	0.00	-1.044E-03	-4.546E-04	8.392E-04	5.307E-02	2.944E-02
	8.2E-02	0.00	-1.044E-03	-4.546E-04	8.392E-04	5.309E-02	2.947E-02
	1.1E-01	0.00	-1.044E-03	-4.546E-04	8.392E-04	5.310E-02	2.950E-02
16	COMB1						
	0.00	0.00	646.00	646.00	4.343E-04	1.148E-01	141.99
	2.8E-02	0.00	646.00	646.00	4.343E-04	-17.65	124.22
	5.5E-02	0.00	646.00	646.00	4.343E-04	-35.42	106.46
	8.2E-02	0.00	646.00	646.00	4.343E-04	-53.18	88.69
	1.1E-01	0.00	646.00	646.00	4.343E-04	-70.94	70.93
17	COMB1						
	0.00	0.00	1.044E-03	4.546E-04	4.046E-04	-2.932E-02	-5.312E-02
	2.8E-02	0.00	1.044E-03	4.546E-04	4.046E-04	-2.933E-02	-5.315E-02
	5.5E-02	0.00	1.044E-03	4.546E-04	4.046E-04	-2.934E-02	-5.318E-02
	8.2E-02	0.00	1.044E-03	4.546E-04	4.046E-04	-2.935E-02	-5.321E-02
	1.1E-01	0.00	1.044E-03	4.546E-04	4.046E-04	-2.937E-02	-5.324E-02
18	COMB1						
	0.00	0.00	-1.034E-03	4.629E-04	4.028E-04	2.937E-02	-5.323E-02
	2.8E-02	0.00	-1.034E-03	4.629E-04	4.028E-04	2.935E-02	-5.321E-02
	5.5E-02	0.00	-1.034E-03	4.629E-04	4.028E-04	2.934E-02	-5.318E-02
	8.2E-02	0.00	-1.034E-03	4.629E-04	4.028E-04	2.933E-02	-5.315E-02
	1.1E-01	0.00	-1.034E-03	4.629E-04	4.028E-04	2.932E-02	-5.312E-02
19	COMB1						
	0.00	0.00	-646.00	646.00	4.294E-04	70.94	70.93
	2.8E-02	0.00	-646.00	646.00	4.294E-04	53.18	88.69
	5.5E-02	0.00	-646.00	646.00	4.294E-04	35.42	106.46
	8.2E-02	0.00	-646.00	646.00	4.294E-04	17.65	124.22
	1.1E-01	0.00	-646.00	646.00	4.294E-04	-1.148E-01	141.99
20	COMB1						
	0.00	0.00	1.034E-03	-4.629E-04	8.392E-04	-5.310E-02	2.950E-02
	2.8E-02	0.00	1.034E-03	-4.629E-04	8.392E-04	-5.309E-02	2.947E-02
	5.5E-02	0.00	1.034E-03	-4.629E-04	8.392E-04	-5.307E-02	2.944E-02
	8.2E-02	0.00	1.034E-03	-4.629E-04	8.392E-04	-5.306E-02	2.942E-02
	1.1E-01	0.00	1.034E-03	-4.629E-04	8.392E-04	-5.305E-02	2.939E-02
21	COMB1						
	0.00	0.00	646.00	-646.00	2.825E-04	-70.93	-70.94
	2.8E-02	0.00	646.00	-646.00	2.825E-04	-53.16	-88.71
	5.5E-02	0.00	646.00	-646.00	2.825E-04	-35.40	-106.47
	8.2E-02	0.00	646.00	-646.00	2.825E-04	-17.63	-124.24
	1.1E-01	0.00	646.00	-646.00	2.825E-04	1.304E-01	-142.00
22	COMB1						
	0.00	0.00	646.00	646.00	6.871E-04	1.518E-01	141.96
	2.8E-02	0.00	646.00	646.00	6.871E-04	-17.61	124.19
	5.5E-02	0.00	646.00	646.00	6.871E-04	-35.38	106.43
	8.2E-02	0.00	646.00	646.00	6.871E-04	-53.14	88.66
	1.1E-01	0.00	646.00	646.00	6.871E-04	-70.91	70.90
23	COMB1						
	0.00	0.00	0.00	-646.00	7.552E-04	-35.53	0.00
	2.8E-02	0.00	0.00	-646.00	7.552E-04	-17.77	0.00
	5.5E-02	0.00	0.00	-646.00	7.552E-04	0.00	0.00
	8.2E-02	0.00	0.00	-646.00	7.552E-04	17.77	0.00
	1.1E-01	0.00	0.00	-646.00	7.552E-04	35.53	0.00

B.3. TABLA DE ENTRADA ARMADURA SIN EXCENTRICIDAD

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 1
7/21/02 18:39:05

HOME

STATIC LOAD CASES

STATIC CASE	CASE TYPE	SELF WT FACTOR
MUERTA	DEAD	0.0000
VIVA	LIVE	0.0000

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 2
7/21/02 18:39:05

HOME

JOINT DATA

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	RESTRAINTS	ANGLE-A	ANGLE-B	ANGLE-C
1	-2.49000	0.00000	0.83000	1 1 1 0 0 0	0.000	0.000	0.000
2	-0.83000	0.00000	0.83000	0 0 0 0 0 0	0.000	0.000	0.000
3	0.83000	0.00000	0.83000	0 0 0 0 0 0	0.000	0.000	0.000
4	2.49000	0.00000	0.83000	0 1 1 0 0 0	0.000	0.000	0.000
5	-1.66000	0.00000	0.00000	0 0 0 0 0 0	0.000	0.000	0.000
6	0.00000	0.00000	0.00000	0 0 0 0 0 0	0.000	0.000	0.000
7	1.66000	0.00000	0.00000	0 0 0 0 0 0	0.000	0.000	0.000

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 3
7/21/02 18:39:05

HOME

FRAME ELEMENT DATA

FRAME	JNT-1	JNT-2	SECTION	ANGLE	RELEASES	SEGMENTS	R1	R2	FACTOR	LENGTH
1	1	2	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
2	2	3	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
3	3	4	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
4	5	6	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
5	6	7	GUADUA1	0.000	000000	4	0.000	0.000	1.000	1.660
6	1	5	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
7	5	2	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
8	2	6	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
9	6	3	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
10	3	7	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174
11	7	4	GUADUA2	0.000	000000	2	0.000	0.000	1.000	1.174

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 4
7/21/02 18:39:05

HOME

JOINT FORCES Load Case MUERTA

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	GLOBAL-XX	GLOBAL-YY	GLOBAL-ZZ
2	0.000	0.000	-146.000	0.000	0.000	0.000
3	0.000	0.000	-146.000	0.000	0.000	0.000

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 5
7/21/02 18:39:05

HOME

JOINT FORCES Load Case VIVA

JOINT	GLOBAL-X	GLOBAL-Y	GLOBAL-Z	GLOBAL-XX	GLOBAL-YY	GLOBAL-ZZ
2	0.000	0.000	-500.000	0.000	0.000	0.000
3	0.000	0.000	-500.000	0.000	0.000	0.000

B.4. TABLA DE SALIDA ARMADURA SIN EXCENTRICIDAD

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 1
7/21/02 18:39:54

HOME

LOAD COMBINATION MULTIPLIERS

COMBO	TYPE	CASE	FACTOR	TYPE	TITLE
COMB1	ADD				COMB1
		MUERTA	1.0000	STATIC(DEAD)	
		VIVA	1.0000	STATIC(LIVE)	

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 2
7/21/02 18:39:54

HOME

JOINT DISPLACEMENTS

JOINT	LOAD	U1	U2	U3	R1	R2	R3
1	COMB1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2	COMB1	-1.147E-04	0.0000	-1.280E-03	0.0000	0.0000	0.0000
3	COMB1	-3.440E-04	0.0000	-1.280E-03	0.0000	0.0000	0.0000
4	COMB1	-4.587E-04	0.0000	0.0000	0.0000	0.0000	0.0000
5	COMB1	-4.587E-04	0.0000	-6.971E-04	0.0000	0.0000	0.0000
6	COMB1	-2.294E-04	0.0000	-1.394E-03	0.0000	0.0000	0.0000
7	COMB1	0.0000	0.0000	-6.971E-04	0.0000	0.0000	0.0000

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 3
7/21/02 18:39:54

HOME

JOINT REACTIONS

JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	COMB1	0.0000	0.0000	646.0000	0.0000	0.0000	0.0000
4	COMB1	0.0000	0.0000	646.0000	0.0000	0.0000	0.0000

SAP2000 v7.10 File: ESTSIM300 Kgf-m Units PAGE 4
7/21/02 18:39:54

HOME

FRAME ELEMENT FORCES

FRAME	LOAD	LOC	P	V2	V3	T	M2	M3
1	COMB1	0.00	-646.00	0.00	0.00	0.00	0.00	0.00
		4.2E-01	-646.00	0.00	0.00	0.00	0.00	0.00
		8.3E-01	-646.00	0.00	0.00	0.00	0.00	0.00
		1.24	-646.00	0.00	0.00	0.00	0.00	0.00
		1.66	-646.00	0.00	0.00	0.00	0.00	0.00
2	COMB1	0.00	-1292.00	0.00	0.00	0.00	0.00	0.00
		4.2E-01	-1292.00	0.00	0.00	0.00	0.00	0.00
		8.3E-01	-1292.00	0.00	0.00	0.00	0.00	0.00
		1.24	-1292.00	0.00	0.00	0.00	0.00	0.00
		1.66	-1292.00	0.00	0.00	0.00	0.00	0.00
3	COMB1	0.00	-646.00	0.00	0.00	0.00	0.00	0.00
		4.2E-01	-646.00	0.00	0.00	0.00	0.00	0.00

	8.3E-01	-646.00	0.00	0.00	0.00	0.00	0.00
	1.24	-646.00	0.00	0.00	0.00	0.00	0.00
	1.66	-646.00	0.00	0.00	0.00	0.00	0.00
4	COMB1						
	0.00	1292.00	0.00	0.00	0.00	0.00	0.00
	4.2E-01	1292.00	0.00	0.00	0.00	0.00	0.00
	8.3E-01	1292.00	0.00	0.00	0.00	0.00	0.00
	1.24	1292.00	0.00	0.00	0.00	0.00	0.00
	1.66	1292.00	0.00	0.00	0.00	0.00	0.00
5	COMB1						
	0.00	1292.00	0.00	0.00	0.00	0.00	0.00
	4.2E-01	1292.00	0.00	0.00	0.00	0.00	0.00
	8.3E-01	1292.00	0.00	0.00	0.00	0.00	0.00
	1.24	1292.00	0.00	0.00	0.00	0.00	0.00
	1.66	1292.00	0.00	0.00	0.00	0.00	0.00
6	COMB1						
	0.00	913.58	0.00	0.00	0.00	0.00	0.00
	5.9E-01	913.58	0.00	0.00	0.00	0.00	0.00
	1.17	913.58	0.00	0.00	0.00	0.00	0.00
7	COMB1						
	0.00	-913.58	0.00	0.00	0.00	0.00	0.00
	5.9E-01	-913.58	0.00	0.00	0.00	0.00	0.00
	1.17	-913.58	0.00	0.00	0.00	0.00	0.00
8	COMB1						
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.9E-01	0.00	0.00	0.00	0.00	0.00	0.00
	1.17	0.00	0.00	0.00	0.00	0.00	0.00
9	COMB1						
	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5.9E-01	0.00	0.00	0.00	0.00	0.00	0.00
	1.17	0.00	0.00	0.00	0.00	0.00	0.00
10	COMB1						
	0.00	-913.58	0.00	0.00	0.00	0.00	0.00
	5.9E-01	-913.58	0.00	0.00	0.00	0.00	0.00
	1.17	-913.58	0.00	0.00	0.00	0.00	0.00
11	COMB1						
	0.00	913.58	0.00	0.00	0.00	0.00	0.00
	5.9E-01	913.58	0.00	0.00	0.00	0.00	0.00
	1.17	913.58	0.00	0.00	0.00	0.00	0.00