CENTRO DE ROTACION: PISO 0

BLOCK A

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	90.00	50.00	937500.00	217000 00	350.00	56938.78
C1,2,3,4,5,6,7,8B	90 00	50 00	937500.00	217000.00	350.00	56938.78
C1,2,3,4,5,6,7,8C	90.00	50.00	937500.00	217000.00	350.00	56938.78

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	90.00	3037500 00	217000.00	350.00	184481.63
C1,2,3,4,5,6,7,8B	50.00	90.00	3037500 00	217000.00	350 00	184481.63
C1,2,3,4,5,6,7,8C	50.00	90.00	3037500 00	217000.00	350 00	184481.63
						553444.90

CENTRO DE ROTACION : PISO 1

BLOCK A

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	80.00	50.00	833333.33	217000.00	400.00	33906.25
C1,2,3,4,5,6,7,8B	80.00	50.00	833333.33	217000.00	400.00	33906.25
C1,2,3,4,5,6,7,8C	80.00	50.00	833333.33	217000.00	400.00	33906.25

RIGIDEZ EN
DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	80.00	2133333.33	217000.00	400.00	86800.00
C1,2,3,4,5,6,7,8B	50.00	80.00	2133333.33	217000.00	400.00	86800.00
C1,2,3,4,5,6,7,8C	50.00	80.00	2133333.33	217000.00	400.00	86800.00
						260400.00

CENTRO DE ROTACION : PISO 2
BLOCK A

RIGIDEZ EN
DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	80.00	50.00	833333.33	217000.00	350.00	50612.24
C1,2,3,4,5,6,7,8B	80.00	50.00	833333.33	217000.00	350.00	50612.24
C1,2,3,4,5,6,7,8C	80.00	50.00	833333.33	217000.00	350.00	50612.24

RIGIDEZ EN
DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	80.00	2133333.33	217000.00	350.00	129567.35
C1,2,3,4,5,6,7,8B	50.00	80.00	2133333.33	217000.00	350.00	129567.35
C1,2,3,4,5,6,7,8C	50.00	80.00	2133333.33	217000.00	350.00	129567.35
						388702.04

CENTRO DE ROTACION: PISO 3-4

BLOCK A

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	60.00	50.00	625000.00	217000.00	350.00	37959.18
C1,2,3,4,5,6,7,8B	80.00	50.00	833333.33	217000.00	350.00	50612.24
C1,2,3,4,5,6,7,8C	60.00	50.00	625000.00	217000.00	350.00	37959.18

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	60.00	900000.00	217000.00	350.00	54661.22
C1,2,3,4,5,6,7,8B	50.00	80.00	2133333.33	217000.00	350.00	129567.35
C1,2,3,4,5,6,7,8C	50.00	60.00	900000.00	217000.00	350.00	54661.22
						238889.80

CENTRO DE ROTACION : PISO 5

BLOCK A

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	40.00	266666.67	217000.00	350.00	16195.92
C1,2,3,4,5,6,7,8B	50.00	40.00	266666.67	217000.00	350.00	16195.92
C1,2,3,4,5,6,7,8C	50.00	40.00	266666.67	217000.00	350.00	16195.92

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	40.00	50.00	416666.67	217000.00	350.00	25306.12
C1,2,3,4,5,6,7,8B	40.00	50.00	416666.67	217000.00	350.00	25306.12
C1,2,3,4,5,6,7,8C	40.00	50.00	416666.67	217000.00	350.00	25306.12
						75918.37

1.- CENTRO DE RIGIDEZ X,Y PISO 01 BLOCK A

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	56938.78	455510.20	0.00	000.0000E+0	000.0000E+0
B	8	56938.78	455510.20	650.00	296.0816E+6	192.4531E+9
C	8	56938.78	455510.20	1350.00	614.9388E+6	830.1673E+9
			1366530.61		911.0204E+6	1.0226E+12
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	184481.63	553444.90	0.00	000.0000E+0	000.0000E+0
2	3	184481.63	553444.90	650.00	359.7392E+6	233.8305E+9
3	3	184481.63	553444.90	1300.00	719.4784E+6	935.3219E+9
4	3	184481.63	553444.90	1950.00	1.0792E+9	2.1045E+12
5	3	184481.63	553444.90	2600.00	1.4390E+9	3.7413E+12
6	3	184481.63	553444.90	3250.00	1.7987E+9	5.8458E+12
7	3	184481.63	553444.90	3900.00	2.1584E+9	8.4179E+12
8	3	184481.63	553444.90	4550.00		
			4427559.18		7.5545E+9	21.2786E+12
				X= 1706.25		

1.- CENTRO DE RIGIDEZ X,Y
PISO 1 BLOCK A

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	33906.25	271250 00	0 00	000.0000E+0	000.0000E+0
B	8	33906.25	271250.00	650.00	176.3125E+6	114.6031E+9
C	8	33906.25	271250.00	1350.00	366.1875E+6	494.3531E+9
			813750.00		542.5000E+6	608.9563E+9
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	86800.00	260400.00	0.00	000.0000E+0	000.0000E+0
2	3	86800.00	260400.00	650.00	169.2600E+6	110.0190E+9
3	3	86800.00	260400.00	1300.00	338.5200E+6	440.0760E+9
4	3	86800.00	260400 00	1950 00	507.7800E+6	990.1710E+9
5	3	86800.00	260400.00	2600.00	677.0400E+6	1.7603E+12
6	3	86800.00	260400.00	3250.00	846.3000E+6	2.7505E+12
7	3	86800.00	260400.00	3900.00	1.0156E+9	3.9607E+12
8	3	86800.00	260400.00	4550 00	1 1848E+9	5.3909E+12
			2083200.00		4.7393E+9	15.4027E+12
				X= 2275.00		

1.- CENTRO DE RIGIDEZ X,Y PISO 2
BLOCK A

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	50612.24	404897.96	0.00	000.0000E+0	000.0000E+0
B	8	50612.24	404897.96	650.00	263.1837E+6	171.0694E+9
C	8	50612.24	404897.96	1350.00	546.6122E+6	737.9265E+9
			1214693.88		809.7959E+6	908.9959E+9
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	129567.35	388702.04	0.00	000.0000E+0	000.0000E+0
2	3	129567.35	388702.04	650.00	252.6563E+6	164.2266E+9
3	3	129567.35	388702.04	1300.00	505.3127E+6	656.9064E+9
4	3	129567.35	388702.04	1950.00	757.9690E+6	1.4780E+12
5	3	129567.35	388702.04	2600.00	1.0106E+9	2.6276E+12
6	3	129567.35	388702.04	3250.00	1.2633E+9	4.1057E+12
7	3	129567.35	388702.04	3900.00	1.5159E+9	5.9122E+12
8	3	129567.35	388702.04	4550.00	1.7686E+9	8.0471E+12
			3109616.33		7.0744E+9	22.9917E+12
				X= 2275.00		

1,- CENTRO DE RIGIDEZ X,Y PISO 3-4 BLOCK A

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	37959.18	303673.47	0.00	000.0000E+0	000.0000E+0
B	8	50612.24	404897.96	650.00	263.1837E+6	171.0694E+9
C	8	37959.18	303673.47	1350.00	409.9592E+6	553.4449E+9
			1012244.90		673.1429E+6	724.5143E+9
				Y= 665.00		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	1	54661.22	54661.22	0.00	000.0000E+0	000.0000E+0
1	1	129567.35	129567.35	0.00	000.0000E+0	000.0000E+0
1	1	54661.22	54661.22	0.00	000.0000E+0	000.0000E+0
2	1	54661.22	54661.22	650.00	35.5298E+6	23.0944E+9
2	1	129567.35	129567.35	650.00	84.2188E+6	54.7422E+9
2	1	54661.22	54661.22	1650.00	90.1910E+6	148.8152E+9
3	1	54661.22	54661.22	1300.00	71.0596E+6	92.3775E+9
3	1	129567.35	129567.35	1300.00	168.4376E+6	218.9688E+9
3	1	54661.22	54661.22	1300.00	71.0596E+6	92.3775E+9
4	1	54661.22	54661.22	1950.00	106.5894E+6	207.8493E+9
4	1	129567.35	129567.35	1950.00	252.6563E+6	492.6798E+9
4	1	54661.22	54661.22	1950.00	106.5894E+6	207.8493E+9
5	1	54661.22	54661.22	2600.00	142.1192E+6	369.5098E+9
5	1	129567.35	129567.35	2600.00	336.8751E+6	875.8753E+9

5	1	54661 22	54661.22	2600.00	142.1192E+6	369.5098E+9
6	1	54661.22	54661.22	3250.00	177.6490E+6	577.3591E+9
6	1	129567.35	129567.35	3250.00	421.0939E+6	1.3686E+12
6	1	54661 22	54661.22	3250.00	177.6490E+6	577.3591E+9
7	1	54661.22	54661.22	3900 00	213.1788E+6	831.3972E+9
7	1	129567 35	129567.35	3900 00	505 3127E+6	1.9707E+12
7	1	54661.22	54661.22	3900.00	213 1788E+6	831.3972E+9
8	1	54661 22	54661.22	4550.00	248.7086E+6	1.1316E+12
8	1	129567.35	129567.35	4550.00	589.5314E+6	2.6824E+12
8	1	54661.22	54661.22	4550.00	248.7086E+6	1.1316E+12
			1911118.32		4.4025E+9	14.2561E+12
				X= 2303.60		

1.- CENTRO DE RIGIDEZ X,Y PISO 5
BLOCK A

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	16195.92	129567.35	0.00	000.0000E+0	000.0000E+0
B	8	16195 92	129567.35	650.00	84.2138E+6	54.7422E+9
C	8	16195.92	129567.35	1350.00	174.9159E+6	236.1365E+9
			388702.04		259.1347E+6	290.8787E+9
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	25306.12	75918.37	0.00	000.0000E+0	000.0000E+0
2	3	25306.12	75918.37	650.00	49.3469E+6	32.0755E+9
3	3	25306.12	75918.37	1300.00	98.6939E+6	128.3020E+9
4	3	25306.12	75918.37	1950.00	148.0408E+6	288.6796E+9
5	3	25306.12	75918.37	2600.00	197.3878E+6	513.2082E+9
6	3	25306.12	75918.37	3250.00	246.7347E+6	801.8878E+9
7	3	25306.12	75918.37	3900.00	296.0816E+6	1.1547E+12
8	3	25306.12	75918.37	4550.00	345.4286E+6	1.5717E+12
			607346.94		1.3817E+9	4.4906E+12
				X= 2275.00		

2.- CALCULO DE LA EXCENTRICIDAD POR NIVELES BLOCK A

PISO	Y	X	Ym	Xm	ey=Y-Ym	ex=X-Xm
PISO5	6.667	22.750	6.75	22.75	-0.083	0.000
PISO4	6.650	23 036	6.75	22.75	-0.100	0.286
PISO3	6.650	23.036	6.75	22.75	-0.100	0.286
PISO2	6.667	22.750	6.75	22.75	-0.083	0.000
PISO1	6.667	22.750	6.75	22.75	-0.083	0.000
PISO0	6.667	17.063	6.75	22.75	-0.083	-5.688

3.- MOMENTO DE INERCIA AL CENTRO DE RIGIDEZ POR NIVELES

PISO	$\Sigma K\chi 2$	$(\Sigma K\chi)*\chi**2$	Ix	$\Sigma K\gamma 2$	$(\Sigma K\gamma)*\gamma**2$	Iy
PISO5	4.4906E+12	3.1434E+12	1.347E+12	290.87E+9	1.72E+11	118.12E+9
PISO4	14.2561E+12	1.0142E+13	4.115E+12	724.51E+9	4.47E+11	276.87E+9
PISO3	14.2561E+12	1.0142E+13	4.115E+12	724.51E+9	4.47E+11	276.87E+9
PISO2	22.9917E+12	1 6094E+13	6.898E+12	908.99E+9	5.39E+11	369.13E+9
PISO1	15.4027E+12	1.0782E+13	4.621E+12	608 95E+9	3.61E+11	247.29E+9
PISO0	21.2786E+12	1.289E+13	8.389E+12	1.023E+12	6.07E+11	415.27E+9

4.- FACTORES DE EXCENTRICIDAD SENTIDO X (Rx)

PISO	Ix	Iy	$\Sigma K\chi$	r_{ex}	ex	Rx<0.15
PISO5	1.347E+12	118.122E+9	607.347E+3	1.553E+3	0.000	0.0000
PISO4	4.115E+12	276.874E+9	1.911E+6	1.516E+3	0.286	0.0002
PISO3	4.115E+12	276.874E+9	1.911E+6	1.516E+3	0.286	0.0002
PISO2	6.898E+12	369.132E+9	3.110E+6	1.529E+3	0.000	0.0000
PISO1	4.621E+12	247.290E+9	2.083E+6	1.529E+3	0.000	0.0000
PISO0	8.389E+12	415.273E+9	4 428E+6	1.410E+3	-5 688	-0.0040

CENTRO DE ROTACION : PISO 0
BLOCK B

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	90.00	50.00	937500.00	217000.00	350.00	56938.78
C1,2,3,4,5,6,7,8B	90.00	50.00	937500.00	217000.00	350.00	56938.78
C1,2,3,4,5,6,7,8C	90.00	50.00	937500.00	217000.00	350.00	56938.78

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	90.00	3037500.00	217000.00	350.00	184481.63
C1,2,3,4,5,6,7,8B	50.00	90.00	3037500.00	217000.00	350.00	184481.63
C1,2,3,4,5,6,7,8C	50.00	90.00	3037500.00	217000.00	350.00	184481.63
						553444.90

CENTRO DE ROTACION : PISO 1
BLOCK B

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	80.00	50.00	833333.33	217000.00	400.00	33906.25
C1,2,3,4,5,6,7,8B	80.00	50.00	833333.33	217000.00	400.00	33906.25
C1,2,3,4,5,6,7,8C	80.00	50.00	833333.33	217000.00	400.00	33906.25

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	80.00	2133333.33	217000.00	400.00	86800.00
C1,2,3,4,5,6,7,8B	50.00	80.00	2133333.33	217000.00	400.00	86800.00
C1,2,3,4,5,6,7,8C	50.00	80.00	2133333.33	217000.00	400.00	86800.00
						260400.00

CENTRO DE ROTACION : PISO 2
BLOCK B

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	80.00	50 00	833333.33	217000 00	350.00	50612.24
C1,2,3,4,5,6,7,8B	80.00	50 00	833333.33	217000 00	350.00	50612.24
C1,2,3,4,5,6,7,8C	80.00	50.00	833333.33	217000.00	350.00	50612.24

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	80.00	2133333.33	217000.00	350.00	129567.35
C1,2,3,4,5,6,7,8B	50.00	80.00	2133333.33	217000.00	350.00	129567.35
C1,2,3,4,5,6,7,8C	50.00	80.00	2133333.33	217000.00	350.00	129567.35
						388702.04

CENTRO DE ROTACION : PISO 3-4
BLOCK B

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	60.00	50.00	625000.00	217000 00	350.00	37959.18
C1,2,3,4,5,6,7,8B	80.00	50.00	833333.33	217000.00	350.00	50612.24
C1,2,3,4,5,6,7,8C	60.00	50.00	625000 00	217000.00	350.00	37959.18

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	60.00	900000 00	217000 00	350.00	54661.22
C1,2,3,4,5,6,7,8B	50.00	80.00	2133333.33	217000.00	350.00	129567.35
C1,2,3,4,5,6,7,8C	50.00	60.00	900000.00	217000.00	350.00	54661.22
						238889.80

CENTRO DE ROTACION : PISO 5
BLOCK B

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C1,2,3,4,5,6,7,8A	50.00	40.00	266666.67	217000.00	350.00	16195.92
C1,2,3,4,5,6,7,8B	50.00	40.00	266666.67	217000.00	350.00	16195.92
C1,2,3,4,5,6,7,8C	50 00	40.00	266666.67	217000.00	350.00	16195.92

RIGIDEZ EN
DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C1,2,3,4,5,6,7,8A	40.00	50.00	416666.67	217000.00	350.00	25306.12
C1,2,3,4,5,6,7,8B	40.00	50.00	416666.67	217000.00	350 00	25306.12
C1,2,3,4,5,6,7,8C	40.00	50.00	416666.67	217000.00	350.00	25306.12
						75918.37

1.- CENTRO DE RIGIDEZ X,Y SOTANO 01
BLOCK B

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	56938.78	455510.20	0.00	000.0000E+0	000.0000E+0
B	8	56938.78	455510 20	650.00	296.0816E+6	192.4531E+9
C	8	56938.78	455510.20	1350.00	614.9388E+6	830.1673E+9
			1366530.61		911.0204E+6	1.0226E+12
				Y=	666.67	

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	184481.63	553444 90	0.00	000.0000E+0	000.0000E+0
2	3	184481.63	553444.90	650.00	359.7392E+6	233.8305E+9
3	3	184481.63	553444.90	1300.00	719.4784E+6	935.3219E+9
4	3	184481.63	553444.90	1950.00	1.0792E+9	2.1045E+12
5	3	184481.63	553444.90	2600 00	1.4390E+9	3.7413E+12
6	3	184481.63	553444.90	3250.00	1.7987E+9	5.8458E+12
7	3	184481.63	553444.90	3900.00	2.1584E+9	8.4179E+12
8	3	184481.63	553444.90	4550.00		
			4427559.18		7.5545E+9	21.2786E+12
				X=	1706.25	

1.- CENTRO DE RIGIDEZ X,Y
PISO 1 BLOCK B

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	33906.25	271250.00	0.00	000.0000E+0	000.0000E+0
B	8	33906.25	271250.00	650.00	176.3125E+6	114.6031E+9
C	8	33906.25	271250.00	1350.00	366.1875E+6	494.3531E+9
			813750.00		542.5000E+6	608.9563E+9
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	86800.00	260400.00	0.00	000.0000E+0	000.0000E+0
2	3	86800.00	260400.00	650.00	169.2600E+6	110.0190E+9
3	3	86800.00	260400.00	1300.00	338.5200E+6	440.0760E+9
4	3	86800.00	260400.00	1950.00	507.7800E+6	990.1710E+9
5	3	86800.00	260400.00	2600.00	677.0400E+6	1.7603E+12
6	3	86800.00	260400.00	3250.00	846.3000E+6	2.7505E+12
7	3	86800.00	260400.00	3900.00	1.0156E+9	3.9607E+12
8	3	86800.00	260400.00	4550.00	1.1848E+9	5.3909E+12
			2083200.00		4.7393E+9	15.4027E+12
				X= 2275.00		

1.- CENTRO DE RIGIDEZ X,Y PISO 2
BLOCK B

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	50612.24	404897.96	0.00	000.0000E+0	000.0000E+0
B	8	50612.24	404897.96	650.00	263.1837E+6	171.0694E+9
C	8	50612.24	404897.96	1350.00	546.6122E+6	737.9265E+9
			1214693.88		809.7959E+6	908.9959E+9
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	129567.35	388702.04	0.00	000.0000E+0	000.0000E+0
2	3	129567.35	388702.04	650.00	252.6563E+6	164.2266E+9
3	3	129567.35	388702.04	1300.00	505.3127E+6	656.9064E+9
4	3	129567.35	388702.04	1950.00	757.9690E+6	1.4780E+12
5	3	129567.35	388702.04	2600.00	1.0106E+9	2.6276E+12
6	3	129567.35	388702.04	3250.00	1.2633E+9	4.1057E+12
7	3	129567.35	388702.04	3900.00	1.5159E+9	5.9122E+12
8	3	129567.35	388702.04	4550.00	1.7686E+9	8.0471E+12
			3109616.33		7.0744E+9	22.9917E+12
				X= 2275.00		

1.- CENTRO DE RIGIDEZ X,Y PISO
3-4 BLOCK B

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	37959.18	303673.47	0.00	000.0000E+0	000.0000E+0
B	8	50612.24	404897.96	650.00	263.1837E+6	171.0694E+9
C	8	37959.18	303673.47	1350.00	409.9592E+6	553.4449E+9
			1012244.90		673.1429E+6	724.5143E+9
				Y= 665.00		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	1	54661.22	54661.22	0.00	000.0000E+0	000.0000E+0
1	1	129567.35	129567.35	0.00	000.0000E+0	000.0000E+0
1	1	54661.22	54661.22	0.00	000.0000E+0	000.0000E+0
2	1	54661.22	54661.22	650.00	35.5298E+6	23.0944E+9
2	1	129567.35	129567.35	650.00	84.2188E+6	54.7422E+9
2	1	54661.22	54661.22	1650.00	90.1910E+6	148.8152E+9
3	1	54661.22	54661.22	1300.00	71.0596E+6	92.3775E+9
3	1	129567.35	129567.35	1300.00	168.4376E+6	218.9688E+9
3	1	54661.22	54661.22	1300.00	71.0596E+6	92.3775E+9
4	1	54661.22	54661.22	1950.00	106.5894E+6	207.8493E+9
4	1	129567.35	129567.35	1950.00	252.6563E+6	492.6798E+9
4	1	54661.22	54661.22	1950.00	106.5894E+6	207.8493E+9
5	1	54661.22	54661.22	2600.00	142.1192E+6	369.5098E+9
5	1	129567.35	129567.35	2600.00	336.8751E+6	875.8753E+9

5	1	54661.22	54661.22	2600.00	142.1192E+6	369.5098E+9
6	1	54661.22	54661.22	3250.00	177.6490E+6	577.3591E+9
6	1	129567.35	129567.35	3250.00	421.0939E+6	1.3686E+12
6	1	54661.22	54661.22	3250.00	177.6490E+6	577.3591E+9
7	1	54661.22	54661.22	3900.00	213.1788E+6	831.3972E+9
7	1	129567.35	129567.35	3900.00	505.3127E+6	1.9707E+12
7	1	54661.22	54661.22	3900.00	213.1788E+6	831.3972E+9
8	1	54661.22	54661.22	4550.00	248.7086E+6	1.1316E+12
8	1	129567.35	129567.35	4550.00	589.5314E+6	2.6824E+12
8	1	54661.22	54661.22	4550.00	248.7086E+6	1.1316E+12
			1911118.32		4.4025E+9	14.2561E+12
				X= 2303.60		

1.- CENTRO DE RIGIDEZ X,Y PISO 5
BLOCK B

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	8	16195.92	129567.35	0.00	000.0000E+0	000.0000E+0
B	8	16195.92	129567.35	650.00	84.2188E+6	54.7422E+9
C	8	16195.92	129567.35	1350.00	174.9159E+6	236.1365E+9
			388702.04		259.1347E+6	290.8787E+9
				Y= 666.67		

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
1	3	25306.12	75918.37	0.00	000.0000E+0	000.0000E+0
2	3	25306.12	75918.37	650.00	49.3469E+6	32.0755E+9
3	3	25306.12	75918.37	1300.00	98.6939E+6	128.3020E+9
4	3	25306.12	75918.37	1950.00	148.0408E+6	288.6796E+9
5	3	25306.12	75918.37	2600.00	197.3878E+6	513.2082E+9
6	3	25306.12	75918.37	3250.00	246.7347E+6	801.8878E+9
7	3	25306.12	75918.37	3900.00	296.0816E+6	1.1547E+12
8	3	25306.12	75918.37	4550.00	345.4286E+6	1.5717E+12
			607346.94		1.3817E+9	4.4906E+12
				X= 2275.00		

2.- CALCULO DE LA EXCENTRICIDAD POR NIVELES BLOCK B

PISO	Y	X	Ym	Xm	ey=Y-Ym	ex=X-Xm
PISO5	6.667	22.750	6.75	22.75	-0.083	0.000
PISO4	6 650	23 036	6.75	22.75	-0.100	0.286
PISO3	6.650	23.036	6.75	22.75	-0.100	0.286
PISO2	6.667	22.750	6.75	22.75	-0.083	0.000
PISO1	6.667	22.750	6.75	22.75	-0.083	0.000
PISO0	6.667	17.063	6.75	22.75	-0.083	-5.688

3.- MOMENTO DE INERCIA AL CENTRO DE RIGIDEZ POR NIVELES

PISO	$\Sigma K\chi 2$	$(\Sigma K\chi)*\chi**2$	Ix	$\Sigma K\gamma 2$	$(\Sigma K\gamma)*\gamma**2$	Iy
PISO5	4.4906E+12	3.1434E+12	1.347E+12	290.879E+9	1.728E+11	118.122E+9
PISO4	14.2561E+12	1.0142E+13	4.115E+12	724.514E+9	4.476E+11	276.874E+9
PISO3	14.2561E+12	1.0142E+13	4.115E+12	724.514E+9	4.476E+11	276.874E+9
PISO2	22.9917E+12	1.6094E+13	6 898E+12	908.996E+9	5.399E+11	369.132E+9
PISO1	15.4027E+12	1.0782E+13	4.621E+12	608.956E+9	3.617E+11	247.290E+9
PISO0	21.2786E+12	1.289E+13	8.389E+12	1.023E+12	6.073E+11	415.273E+9

4.- FACTORES DE EXCENTRICIDAD SENTIDO X (Rx)

PISO	Ix	Iy	$\Sigma K\chi$	r_{ex}	ex	Rx<0.15
PISO5	1.347E+12	118.122E+9	607.347E+3	1.553E+3	0.000	0.0000
PISO4	4.115E+12	276.874E+9	1.911E+6	1.516E+3	0.286	0.0002
PISO3	4.115E+12	276.874E+9	1.911E+6	1.516E+3	0.286	0.0002
PISO2	6.898E+12	369.132E+9	3.110E+6	1.529E+3	0.000	0.0000
PISO1	4.621E+12	247.290E+9	2.083E+6	1.529E+3	0.000	0.0000
PISO0	8.389E+12	415.273E+9	4.428E+6	1.410E+3	-5.688	-0.0040

CENTRO DE ROTACION : PISO 0
BLOCK C

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C9,10,11,12A	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10,11,12B	90.00	50.00	937 50E+3	217000 00	350.00	56.94E+3
C9,10C	90.00	50.00	937.50E+3	217000.00	350.00	56.94E+3
C9,10D	90.00	50.00	937.50E+3	217000.00	350.00	56.94E+3
C9,10,11,12E	90.00	50.00	937.50E+3	217000.00	350.00	56.94E+3
C9,10,11,12F	90.00	50.00	937.50E+3	217000.00	350.00	56.94E+3
C9,10,11,12G	90.00	50.00	937.50E+3	217000 00	350.00	56.94E+3
C9,10,11,12H	90.00	50.00	937.50E+3	217000.00	350.00	56.94E+3
C9,10,11,12I	90.00	50.00	937.50E+3	217000.00	350.00	56.94E+3

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C9,10,11,12A	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12B	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3
C9,10C	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3
C9,10D	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3
C9,10,11,12E	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3
C9,10,11,12F	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3
C9,10,11,12G	50.00	90 00	3.04E+6	217000.00	350.00	184.48E+3
C9,10,11,12H	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3
C9,10,11,12I	50.00	90.00	3.04E+6	217000.00	350.00	184.48E+3

CENTRO DE ROTACION : PISO 1
BLOCK C

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C9,10,11,12A	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9.10,11,12B	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3
C9,10C	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3
C9,10D	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3
C9,10,11,12E	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3
C9,10,11,12F	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3

C9,10,11,12G	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3
C9,10,11,12H	80.00	50.00	833.33E+3	217000 00	400.00	33.91E+3
C9,10,11,12I	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C9,10,11,12A	80.00	50.00	833.33E+3	217000.00	400.00	33.91E+3
C9,10,11,12B	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10C	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10D	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10,11,12E	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10,11,12F	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10,11,12G	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10,11,12H	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3
C9,10,11,12I	50.00	80.00	2.13E+6	217000.00	400.00	86.80E+3

CENTRO DE ROTACION : PISO 2
BLOCK C

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C9,10,11,12A	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10,11,12B	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10C	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10D	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12E	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12F	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12G	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12H	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12I	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C9,10,11,12A	80.00	50.00	833.33E+3	217000.00	350.00	50.61E+3
C9,10,11,12B	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10C	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10D	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3

C9,10,11,12E	50.00	80.00	2 13E+6	217000.00	350.00	129.57E+3
C9,10,11,12F	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10,11,12G	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10,11,12H	50.00	80.00	2.13E+6	217000.00	350.00	129.57E+3
C9,10,11,12I	50.00	80.00	2 13E+6	217000.00	350.00	129.57E+3

CENTRO DE ROTACION : PISO 3-4
BLOCK C

RIGIDEZ EN DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C9,10,11,12A	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10,11,12B	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10C	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10D	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10,11,12E	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10,11,12F	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10,11,12G	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10,11,12H	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10,11,12I	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3

RIGIDEZ EN DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C9,10,11,12A	60.00	50.00	625.00E+3	217000.00	350.00	37.96E+3
C9,10,11,12B	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10C	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10D	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10,11,12E	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10,11,12F	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10,11,12G	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10,11,12H	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3
C9,10,11,12I	50.00	60.00	900.00E+3	217000.00	350.00	54.66E+3

CENTRO DE ROTACION : PISO 5
BLOCK C

RIGIDEZ EN
DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C9,10,11,12A	40.00	40.00	213.33E+3	217000.00	350.00	12.96E+3
C9,10,11,12B	40.00	40.00	213.33E+3	217000.00	350 00	12.96E+3
C9,10C	40.00	40.00	213.33E+3	217000 00	350 00	12.96E+3
C9,10D	40.00	40.00	213.33E+3	217000.00	350.00	12.96E+3
C9,10,11,12E	40.00	40.00	213.33E+3	217000 00	350 00	12.96E+3

RIGIDEZ EN
DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C9,10,11,12A	40.00	40.00	213.33E+3	217000.00	350.00	12.96E+3
C9,10,11,12B	40.00	40.00	213.33E+3	217000 00	350.00	12.96E+3
C9,10C	40.00	40.00	213.33E+3	217000.00	350.00	12.96E+3
C9,10D	40.00	40.00	213.33E+3	217000 00	350.00	12.96E+3
C9,10,11,12E	40.00	40.00	213 33E+3	217000 00	350.00	12.96E+3

CENTRO DE ROTACION : PISO 6
BLOCK C

RIGIDEZ EN
DIRECCION X

COLUMNA	B	D	Iy=BD^3/12	E	h	Kcx=12EI/H^3
C9,10,11,12B	30.00	40.00	160.00E+3	217000.00	350.00	9.72E+3
C9,10C	30.00	40.00	160.00E+3	217000.00	350.00	9.72E+3
C9,10D	30.00	40.00	160.00E+3	217000.00	350.00	9.72E+3
C9,10,11,12E	30.00	40.00	160.00E+3	217000.00	350.00	9.72E+3

RIGIDEZ EN
DIRECCION Y

COLUMNA	B	D	Ix=BD^3/12	E	h	Kcy=12EI/H^3
C9,10,11,12B	40.00	30.00	90.00E+3	217000.00	350.00	5.47E+3
C9,10C	40.00	30.00	90.00E+3	217000.00	350.00	5.47E+3
C9,10D	40.00	30.00	90.00E+3	217000.00	350.00	5.47E+3
C9,10,11,12E	40.00	30.00	90.00E+3	217000.00	350.00	5.47E+3

DETERMINACION DE LA RIGIDEZ DIRECCION X

DEL ASCENSOR

MOMENTO DE INERCIA y-y

ELE	T	B	A	X	AX	I	(X´-X)	A(X´-X)
1	275	30	8250	163	1340625	51.99E+6	4774	39 39E+6
2	275	30	8250	163	1340625	51.99E+6	4774	39.39E+6
3	275	30	8250	163	1340625	51.99E+6	4774	39.39E+6
4	50	500	25000	25	625000	5.21E+6	4679	116.98E+6
			49750		4646875	161.18E+6		235 14E+6
			X=	93.4		Iy =		4E+08

RIGIDEZ DE LA PLACA DIRECCION X

PISO	T	LW	A	FC	E	EV	HR	K1	K2	Kx
PISO0	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	429.2E-9	1E+06
PISO1	37.54	1325	49740.5	210	84000	33.60E+3	400	287.20E-9	640.8E-9	1E+06
PISO2	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	429.2E-9	1E+06
PISO3	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	429.2E-9	1E+06
PISO4	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	429.2E-9	1E+06
PISO5	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	429.2E-9	1E+06
PISO6	37.54	1325	49740.5	210	84000	33.60E+3	350	251 30E-9	429.2E-9	1E+06

DETERMINACION DE LA RIGIDEZ DIRECCION Y DEL ASCENSOR

MOMENTO DE INERCIA Y-Y

ELE	T	B	A	Y	AY	Ix	(Y´-Y)	A(Y´-Y)2
1	30	275	8250	15	123750	618.7E+3	6147	50.71E+6
2	30	275	8250	250	2062500	618.7E+3	24522	202.3E+6
3	30	275	8250	485	4001250	618.7E+3	2E+05	1.2E+9
4	500	50	25000	250	6250000	520.8E+6	24522	613.0E+6
			49750		1243750 0	522 6E+6		2.13E+9
			Y=	250		Ix =		3E+09

RIGIDEZ DE LA

PLACA Y-Y

PISO	T	LW	A	FC	E	EV	HR	K1	K2	Ky
PISO0	37.54	1325	49740.5	210	84000	33 60E+3	350	251.30E-9	64.11E-9	3E+06
PISO1	37.54	1325	49740.5	210	84000	33.60E+3	400	287.20E-9	95.70E-9	3E+06
PISO2	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	64.11E-9	3E+06
PISO3	37.54	1325	49740.5	210	84000	33.60E+3	350	251 30E-9	64.11E-9	3E+06
PISO4	37.54	1325	49740 5	210	84000	33 60E+3	350	251.30E-9	64 11E-9	3E+06
PISO5	37.54	1325	49740.5	210	84000	33.60E+3	350	251 30E-9	64.11E-9	3E+06
PISO6	37.54	1325	49740.5	210	84000	33.60E+3	350	251.30E-9	64.11E-9	3E+06

DETERMINACION DE LA RIGIDEZ DIRECCION X DE LA PLACA

MOMENTO DE INERCIA X-X

ELE	T	B	A	X	AX	I	(X-X)	AWD
1	30	650	19500	15	292500	1.46E+6	6147	119.8E+6
			19500		292500	1.46E+6		119 8E+6
			X=	15		I=	1E+08	

RIGIDEZ DE LA PLACA X-X

PISO	T	LW	A	FC	E	EV	HR	K1	K2	Kx
PISO0	30	650	19500	210	84000	33.60E+3	350	641.03E-9	1.40E-6	48941 4
PISO1	30	650	19500	210	84000	33.60E+3	400	732.60E-9	2.09E-6	35389 1
PISO2	30	650	19500	210	84000	33.60E+3	350	641.03E-9	1.40E-6	48941 4
PISO3	30	650	19500	210	84000	33.60E+3	350	641.03E-9	1.40E-6	48941 4
PISO4	30	650	19500	210	84000	33.60E+3	350	641.03E-9	1.40E-6	48941 4
PISO5	30	650	19500	210	84000	33.60E+3	350	641.03E-9	1.40E-6	48941 4
PISO6	30	650	19500	210	84000	33.60E+3	350	641.03E-9	1.40E-6	48941 4

DETERMINACION DE LA RIGIDEZ DIRECCION Y

MOMENTO DE INERCIA Y-Y

ELE	T	B	A	Y	AY	I	(Y´-Y)	A(Y´-Y)2
1	650	30	19500	325	6337500	686.5E+6	53636	1.05E+9
			19500		6337500	686.5E+6		1.05E+9
			Y=	325		I=	2E+09	

RIGIDEZ DE LA PLACA Y-Y

PISO	T	LW	A	FC	E	EV	HR	K1	K2	Ky
PISO0	30	650	19500	210	84000	33.60E+3	350	641.03E-9	98.21E-9	1E+06
PISO1	30	650	19500	210	84000	33 60E+3	400	732.60E-9	146.5E-9	1E+06
PISO2	30	650	19500	210	84000	33.60E+3	350	641.03E-9	98.21E-9	1E+06
PISO3	30	650	19500	210	84000	33.60E+3	350	641.03E-9	98.21E-9	1E+06
PISO4	30	650	19500	210	84000	33 60E+3	350	641.03E-9	98.21E-9	1E+06
PISO5	30	650	19500	210	84000	33.60E+3	350	641.03E-9	98.21E-9	1E+06
PISO6	30	650	19500	210	84000	33.60E+3	350	641.03E-9	98.21E-9	1E+06

1.- CENTRO DE RIGIDEZ X,Y PISO0
BLOCK C

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	4	129567.35	518269.40	0.00	000.000E+0	000.000E+0
B	4	56938.78	227755.12	650.00	148.041E+6	96.227E+9
C	2	56938.78	113877.56	950.00	108.184E+6	102.774E+9
D	2	56938.78	113877.56	1600.00	182.204E+6	291.527E+9
E	4	56938.78	227755.12	2250.00	512.449E+6	1.153E+12
F	4	56938.78	227755.12	2900.00	660.490E+6	1.915E+12
G	4	56938.78	227755.12	3550.00	808.531E+6	2.870E+12
H	4	56938.78	227755.12	4200.00	956.572E+6	4.018E+12
I	4	56938.78	227755.12	4850.00	1 105E+9	5.357E+12
ASCENSOR	1	1469302.32	1469302.32	1600.00	2.351E+9	3.761E+12
PLACA1 G-H	1	489414.30	489414.30	4525.00	2.215E+9	10.021E+12
PLACA2G-H	1	489414.30	489414.30	4525.00	2.215E+9	10.021E+12
			2641981.98		7.435E+9	26.028E+12

Y= 2814.25

EJE	Nro Col	Kcy	Ky	X	Ky*X	Ky*X^2
9A	1	50612.24	50612.24	0.00	000.000E+0	000.000E+0
B,C,D,E,F9	4	184481.63	737926.52	0.00	000.000E+0	000.000E+0
G,H,I9	3	184481.63	553444.89	0.00	000.000E+0	000.000E+0
10A	1	50612.24	50612.24	500.00	25.306E+6	12.653E+9
B,C,D,E,F10	4	184481.63	737926.52	500.00	368.963E+6	184.482E+9
G,H,I10	3	184481.63	553444.89	500.00	276.722E+6	138.361E+9
11,A	1	50612.24	50612.24	850.00	43.020E+6	36.567E+9
B,C,D,E,F11	4	184481.63	737926.52	850.00	627 238E+6	533.152E+9
G,H,I11	3	184481.63	553444.89	850.00	470.428E+6	399.864E+9
12,A	1	50612.24	50612.24	1350.00	68.327E+6	92.241E+9
B,C,D,E,F12	4	184481.63	737926.52	1350.00	996.201E+6	1.345E+12
G,H,I12	3	184481.63	553444.89	1350.00	747.151E+6	1.009E+12
ASCENSOR	1	3170438.44	3170438.44	1256.00	3.982E+9	5.001E+12
PLACA1 G-H	1	1352756.38	1352756.38	0.00	000.000E+0	000.000E+0
PLACA2G-H	1	1352756.38	1352756.38	1350.00	1.826E+9	2.465E+12
			5865178.48		5.794E+9	7.447E+12
				X= 987.82		

1.- CENTRO DE RIGIDEZ X,Y PISO
1 BLOCK C

EJE	Nro Col	Kcx	Kx	Y	Kx*Y	Kx*Y^2
A	4	86800.00	347200.00	0.00	000.000E+0	000.000E+0
B	4	33906.25	135625.00	650.00	88.156E+6	57.302E+9
C	2	33906.25	67812.50	950.00	64.422E+6	61.201E+9
D	2	33906.25	67812.50	1600.00	108.500E+6	173.600E+9
E	4	33906.25	135625.00	2250.00	305.156E+6	686.602E+9
F	4	33906.25	135625.00	2900.00	393.313E+6	1.141E+12
G	4	33906.25	135625.00	3550.00	481.469E+6	1.709E+12
H	4	33906.25	135625.00	4200.00	569.625E+6	2.392E+12
I	4	33906.25	135625.00	4850.00	657.781E+6	3.190E+12
ASCENSOR	1	1077572.01	1077572.01	1600.00	1.724E+9	2.759E+12
PLACA1 G-H	1	353890.87	353890.87	4525.00	1.601E+9	7.246E+12
PLACA2G-H	1	353890.87	353890.87	4525.00	1.601E+9	7.246E+12
			1838337.88		5.034E+9	17.297E+12
				Y= 2738.53		