PFESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
39	39	-29.67	+8.23	+660.00
	40*	+29.67	-8.23	-627.08
40	40	-29.67	+7.92	+626.18
	41*	+29.67	-7.92	+324.15

SUPPORT REACTIONS

JOINT #	+, -RX Kips	+, -RY Kips	+, -MZ Kip-In
1	+9.22	+35.61	-387.14
5	-7.23	+28.49	-301.07
10	+4.99	+153.38	-205.11
14	-2.47	+104.03	-104.75
19	-3.21	+143.00	+141.80
23	+1.09	+96.98	+42.25
28	+0.67	+133.29	-22.54
32	-0.58	+90.40	-26.71
37	-10.86	+37.09	+462.93
41	+7.92	+29.67	+324.15

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

UNITS USED THROUGHOUT ANALYSIS

Moment : Kip-In
Coordinates : Inch
Member Weight : Lbs./ Ft.
Moment of Inertia : In ^ 4
Cross Sectional Area : Sq.In.
Modulus of Elasticity : Ksi

Applied Load or Force Transmitted : Kips
Displacement of Neutral Axis or Support : Inch
Rotation of Support Joint : Radian

JOINT DATA

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
******1	**********+0.0000	**********+0.0000
******2	**********+0.0000	********+120.0000
******3	**********+0.0000	********+128.0000
******4	**********+0.0000	********+132.0000
******5	**********+0.0000	********+252.0000
******6	**********+8.0000	********+128.0000
******7	*********+50.0000	********+128.0000
******8	********+245.7500	********+128.0000
******9	********+287.2500	********+128.0000
*****10	********+295.7500	**********+0.0000
*****11	********+295.7500	********+120.0000
*****12	********+295.7500	********+128.0000
*****13	********+295.7500	********+132.0000
*****14	********+295.7500	********+252.0000
*****15	********+304.2500	********+128.0000
*****16	********+345.7500	********+128.0000
*****17	********+545.7500	********+128.0000
*****18	********+575.2500	********+128.0000
*****19	********+595.7500	**********+0.0000
*****20	********+595.7500	********+120.0000
*****21	********+595.7500	********+128.0000

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

JOINT DATA CONTINUED

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
*****22	********+595.7500	********+132.0000
*****23	********+595.7500	********+252.0000
*****24	********+604.2500	********+128.0000
*****25	********+645.7500	********+128.0000
*****26	********+845.7500	********+128.0000
*****27	********+887.2500	********+128.0000
*****28	********+895.7500	**********+0.0000
*****29	********+895.7500	********+120.0000
*****30	********+895.7500	********+128.0000
*****31	********+895.7500	********+132.0000
*****32	********+895.7500	********+252.0000
*****33	********+904.2500	********+128.0000
*****34	********+945.7500	********+128.0000
*****35	******+1,141.5000	********+128.0000
*****36	******+1,183.5000	********+128.0000
*****37	******+1,191.5000	**********+0.0000
*****38	******+1,191.5000	********+120.0000
*****39	******+1,191.5000	********+128.0000
*****40	******+1,191.5000	********+132.0000
*****41	******+1,191.5000	********+252.0000

SUPPORT JOINT RESTRAINTS (translation and rotation)

0 = NO RESTRAINT
1 = FULL RESTRAINT

	RESTRAINTS		
JOINT #	X TRANSLATION	Y TRANSLATION	Z ROTATION
******1	**1	**1	**1
******5	**1	**1	**1
*****10	**1	**1	**1
*****14	**1	**1	**1

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

SUPPORT JOINT RESTRAINTS CONTINUED

	RESTRAINTS		
JOINT #	X TRANSLATION	Y TRANSLATION	Z ROTATION
*****19	**1	**1	**1
*****23	**1	**1	**1
*****28	**1	**1	**1
*****32	**1	**1	**1
*****37	**1	**1	**1
*****41	**1	**1	**1

MEMBER DATA

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
******1	*******1	*******2	******320.0000	********3,491.00
******2	*******2	*******3	1,000,000.0000	********3,491.00
******3	*******3	*******4	1,000,000.0000	********3,491.00
******4	*******4	*******5	******256.0000	********3,491.00
******5	*******3	*******6	****2,800.0000	********3,122.00
******6	*******6	*******7	****2,800.0000	********3,122.00
******7	*******7	*******8	****2,400.0000	********3,122.00
******8	*******8	*******9	****2,800.0000	********3,122.00
******9	*******9	******12	****2,800.0000	********3,122.00
*****10	******10	******11	******289.0000	********3,491.00
*****11	******11	******12	1,000,000.0000	********3,491.00
*****12	******12	******13	1,000,000.0000	********3,491.00
*****13	******13	******14	******196.0000	********3,491.00
*****14	******12	******15	****2,800.0000	********3,122.00
*****15	******15	******16	****2,800.0000	********3,122.00
*****16	******16	******17	****2,400.0000	********3,122.00
*****17	******17	******18	****2,800.0000	********3,122.00
*****18	******18	******21	****2,800.0000	********3,122.00
*****19	******19	******20	******289.0000	********3,491.00
*****20	******20	******21	1,000,000.0000	********3,491.00
*****21	******21	******22	1,000,000.0000	********3,491.00

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER DATA CONTINUED

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
*****22	******22	******23	******196.0000	********3,491.00
*****23	******21	******24	****2,800.0000	********3,122.00
*****24	******24	******25	****2,800.0000	********3,122.00
*****25	******25	******26	****2,400.0000	********3,122.00
*****26	******26	******27	****2,800.0000	********3,122.00
*****27	******27	******30	****2,800.0000	********3,122.00
*****28	******28	******29	******289.0000	********3,491.00
*****29	******29	******30	1,000,000.0000	********3,491.00
*****30	******30	******31	1,000,000.0000	********3,491.00
*****31	******31	******32	******196.0000	********3,491.00
*****32	******30	******33	****2,800.0000	********3,122.00
*****33	******33	******34	****2,800.0000	********3,122.00
*****34	******34	******35	****2,400.0000	********3,122.00
*****35	******35	******36	****2,800.0000	********3,122.00
*****36	******36	******39	****2,800.0000	********3,122.00
*****37	******37	******38	******320.0000	********3,491.00
*****38	******38	******39	1,000,000.0000	********3,491.00
*****39	******39	******40	1,000,000.0000	********3,491.00
*****40	******40	******41	******256.0000	********3,491.00

MEMBER PROPERTIES

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
******1	*****1,671.000
******2	*1,000,000.000
******3	*1,000,000.000
******4	*****1,337.000
******5	****27,510.000
******6	****25,676.000
******7	****12,800.000
******8	****25,676.000
******9	****27,510.000
*****10	*****3,158.000

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER PROPERTIES CONTINUED

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
*****11	*1,000,000.000
*****12	*1,000,000.000
*****13	*****1,452.000
*****14	****27,510.000
*****15	****25,676.000
*****16	****12,800.000
*****17	****25,676.000
*****18	****27,510.000
*****19	*****3,158.000
*****20	*1,000,000.000
*****21	*1,000,000.000
*****22	*****1,452.000
*****23	****27,510.000
*****24	****25,676.000
*****25	****12,800.000
*****26	****25,676.000
*****27	****27,510.000
*****28	*****3,158.000
*****29	*1,000,000.000
*****30	*1,000,000.000
*****31	*****1,452.000
*****32	****27,510.000
*****33	****25,676.000
*****34	****12,800.000
*****35	****25,676.000
*****36	****27,510.000
*****37	*****1,671.000
*****38	*1,000,000.000
*****39	*1,000,000.000
*****40	*****1,337.000

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER DISTRIBUTED LOADS

LG = -1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH PROJECTED ON THE GLOBAL AXIS.
LG = 0 IF THE FORCE COMPONENTS ARE IN THE LOCAL MEMBER COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH PROJECTED ON THE LOCAL MEMBER X - AXIS.
LG = +1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH ALONG THE LOCAL MEMBER X - AXIS.

MEMBER #	X COMPONENT AT START JT Kips	X COMPONENT AT END JT Kips	Y COMPONENT AT START JT Kips	Y COMPONENT AT END JT Kips	LG
******5	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
******6	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
******7	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
******8	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
******9	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****32	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
*****33	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
*****34	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
*****35	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****36	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**-
*****14	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****15	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****16	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****17	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**
*****18	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****23	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****24	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****25	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****26	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-
*****27	*******+0.0000	*******+0.0000	*******-0.7681	*******-0.7681	**-

INPUT DATA FROM FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER CONCENTRATED LOADS

LG = 0 IF THE FORCE COMPONENTS ARE IN THE LOCAL MEMBER COORDINATE SYSTEM.
LG = 1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM.

MEMBER #	DISTANCE TO LOAD Inch	X COMPONENT OF FORCE Kips	Y COMPONENT OF FORCE Kips	LG#
*****16	******+34.0000	********+0.000	*******-37.471	**1

END OF DATA INPUT

STRESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

UNITS USED THROUGHOUT ANALYSIS

Moment : Kip-In
Coordinates : Inch
Member Weight : Lbs./ Ft.
Moment of Inertia : In ^ 4
Cross Sectional Area : Sq.In.
Modulus of Elasticity : Ksi

Applied Load or Force Transmitted : Kips
Displacement of Neutral Axis or Support : Inch
Rotation of Support Joint : Radian

JOINT DISPLACEMENTS

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
1	+0.0000	+0.0000	+0.00000
2	-0.0095	-0.0024	-0.00176
3	+0.0047	-0.0024	-0.00177
4	+0.0117	-0.0024	-0.00177
5	+0.0000	+0.0000	+0.00000
6	+0.0047	-0.0167	-0.00182
7	+0.0047	-0.0926	-0.00169
8	+0.0046	+0.0243	+0.00026
9	+0.0046	+0.0008	-0.00162
10	+0.0000	+0.0000	+0.00000
11	-0.0125	-0.0151	-0.00214
12	+0.0046	-0.0151	-0.00214
13	+0.0132	-0.0151	-0.00214
14	+0.0000	+0.0000	+0.00000
15	+0.0046	-0.0361	-0.00276
16	+0.0046	-0.1938	-0.00442
17	+0.0044	-0.1289	+0.00340
18	+0.0044	-0.0455	+0.00207
19	+0.0000	+0.0000	+0.00000
20	+0.0088	-0.0177	+0.00055
21	+0.0044	-0.0177	+0.00055
22	+0.0022	-0.0177	+0.00055

STRESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

JOINT DISPLACEMENTS CONTINUED

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
23	+0.0000	+0.0000	+0.00000
24	+0.0044	-0.0159	-0.00012
25	+0.0043	-0.0722	-0.00224
26	+0.0042	-0.1173	+0.00280
27	+0.0042	-0.0229	+0.00144
28	+0.0000	+0.0000	+0.00000
29	+0.0117	-0.0128	+0.00094
30	+0.0042	-0.0128	+0.00094
31	+0.0004	-0.0128	+0.00094
32	+0.0000	+0.0000	+0.00000
33	+0.0042	-0.0067	+0.00049
34	+0.0042	-0.0228	-0.00106
35	+0.0041	-0.1176	+0.00221
36	+0.0041	-0.0206	+0.00229
37	+0.0000	+0.0000	+0.00000
38	+0.0219	-0.0025	+0.00222
39	+0.0041	-0.0025	+0.00222
40	-0.0047	-0.0025	+0.00222
41	+0.0000	+0.0000	+0.00000

MEMBER END LOADS

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
1	1	+22.16	-4.67	-194.57
	2*	-22.16	+4.67	-366.16
2	2	+22.15	-4.69	+366.17
	3*	-22.15	+4.69	-403.66

STRESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
3	3	-17.68	-4.72	-315.78
	4*	+17.68	+4.72	+296.88
4	4	-17.72	-3.81	-297.46
	5*	+17.72	+3.81	-160.13
5	3	+0.72	+39.68	+717.78
	6*	-0.72	-36.65	-412.46
6	6	+0.72	+36.65	+412.46
	7*	-0.72	-20.72	+792.27
7	7	+0.72	+20.72	-792.27
	8*	-0.72	+53.50	-2415.98
8	8	+0.72	-53.50	+2415.98
	9*	-0.72	+69.24	-4962.77
9	9	+0.72	-69.24	+4962.76
	12*	-0.72	+72.46	-5564.96
10	10	+127.33	-10.77	-449.73
	11*	-127.33	+10.77	-842.21
11	11	+127.61	-10.90	+842.28
	12*	-127.61	+10.90	-929.45
12	12	-86.16	-5.18	-409.66
	13*	+86.16	+5.18	+388.93
13	13	-86.35	-4.98	-389.04
	14*	+86.35	+4.98	-208.45
14	12	+6.81	+139.80	+6904.32
	15*	-6.81	-133.27	-5743.81

STRESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
15	15	+6.81	+133.27	+5743.81
	16*	-6.81	-101.39	-874.72
16	16	+6.81	+101.39	+874.72
	17*	-6.81	+89.70	-2178.65
17	17	+6.81	-89.70	+2178.65
	18*	-6.81	+112.36	-5158.96
18	18	+6.81	-112.36	+5158.96
	21*	-6.81	+128.10	-7623.68
19	19	+148.43	+3.20	+141.38
	20*	-148.43	-3.20	+242.44
20	20	+148.74	+3.20	-242.73
	21*	-148.74	-3.20	+268.33
21	21	-100.79	+1.30	+92.97
	22*	+100.79	-1.30	-87.78
22	22	-100.67	+1.09	+88.42
	23*	+100.67	-1.09	+41.91
23	21	+4.70	+121.27	+7262.53
	24*	-4.70	-114.74	-6259.49
24	24	+4.70	+114.74	+6259.48
	25*	-4.70	-82.87	-2159.07
25	25	+4.70	+82.87	+2159.07
	26*	-4.70	+70.75	-947.28
26	26	+4.70	-70.75	+947.29
	27*	-4.70	+102.62	-4544.81

STRESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
27	27	+4.70	-102.63	+4544.82
	30*	-4.70	+109.15	-5444.88
28	28	+107.23	+5.22	+226.71
	29*	-107.23	-5.22	+399.56
29	29	+107.29	+5.22	-400.01
	30*	-107.29	-5.22	+441.76
30	30	-71.53	+2.06	+166.52
	31*	+71.53	-2.06	-158.30
31	31	-72.72	+1.97	+158.17
	32*	+72.72	-1.97	+78.63
32	30	+1.69	+69.35	+4835.96
	33*	-1.69	-66.13	-4260.18
33	33	+1.69	+66.13	+4260.18
	34*	-1.69	-50.39	-1842.40
34	34	+1.69	+50.39	+1842.40
	35*	-1.69	+23.83	+757.36
35	35	+1.69	-23.83	-757.36
	36*	-1.69	+39.76	-577.93
36	36	+1.69	-39.76	+577.93
	39*	-1.69	+42.79	-908.11
37	37	+23.69	+6.28	+269.01
	38*	-23.69	-6.28	+484.81
38	38	+23.67	+6.40	-484.44
	39*	-23.67	-6.40	+535.64

STRESS CALCULATION RESULTS FOR FILE NAME 3999.PF

DATE 06-12-1990

Randy Holt & Associates
North-South Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
39	39	-18.90	+4.88	+374.30
	40*	+18.90	-4.88	-354.79
40	40	-18.96	+4.47	+354.67
	41*	+18.96	-4.47	+181.95

SUPPORT REACTIONS

JOINT #	+, -RX Kips	+, -RY Kips	+, -MZ Kip-In
1	+4.67	+22.16	-194.57
5	-3.81	+17.72	-160.13
10	+10.77	+127.33	-449.73
14	-4.98	+86.35	-208.45
19	-3.20	+148.43	+141.38
23	+1.09	+100.67	+41.91
28	-5.22	+107.23	+226.71
32	+1.97	+72.72	+78.63
37	-6.28	+23.69	+269.01
41	+4.47	+18.96	+181.95

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

UNITS USED THROUGHOUT ANALYSIS

Moment	: Kip-In
Coordinates	: Inch
Member Weight	: Lbs./ Ft.
Moment of Inertia	: In ^ 4
Cross Sectional Area	: Sq.In.
Modulus of Elasticity	: Ksi

Applied Load or Force Transmitted	: Kips
Displacement of Neutral Axis or Support	: Inch
Rotation of Support Joint	: Radian

JOINT DATA

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
******1	**********+0.0000	********+252.0000
******2	********+287.5000	********+252.0000
******3	********+587.5000	********+252.0000
******4	********+887.5000	********+252.0000
******5	******+1,187.5000	********+252.0000
******6	******+1,487.5000	********+252.0000
******7	******+1,787.5000	********+252.0000
******8	******+1,984.5000	********+252.0000
******9	**********+0.0000	********+132.0000
*****10	********+287.5000	********+132.0000
*****11	********+587.5000	********+132.0000
*****12	********+887.5000	********+132.0000
*****13	******+1,187.5000	********+132.0000
*****14	******+1,487.5000	********+132.0000
*****15	******+1,787.5000	********+132.0000
*****16	******+1,984.5000	********+132.0000
*****17	**********+0.0000	********+128.0000
*****18	**********+8.0000	********+128.0000
*****19	*********+50.0000	********+128.0000
*****20	********+237.5000	********+128.0000
*****21	********+279.0000	********+128.0000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

JOINT DATA CONTINUED

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
*****22	********+287.5000	********+128.0000
*****23	********+296.0000	********+128.0000
*****24	********+337.5000	********+128.0000
*****25	********+537.5000	********+128.0000
*****26	********+579.0000	********+128.0000
*****27	********+587.5000	********+128.0000
*****28	********+596.0000	********+128.0000
*****29	********+637.5000	********+128.0000
*****30	********+837.5000	********+128.0000
*****31	********+879.0000	********+128.0000
*****32	********+887.5000	********+128.0000
*****33	********+896.0000	********+128.0000
*****34	********+937.5000	********+128.0000
*****35	******+1,137.5000	********+128.0000
*****36	******+1,179.0000	********+128.0000
*****37	******+1,187.5000	********+128.0000
*****38	******+1,196.0000	********+128.0000
*****39	******+1,237.5000	********+128.0000
*****40	******+1,437.5000	********+128.0000
*****41	******+1,479.0000	********+128.0000
*****42	******+1,487.5000	********+128.0000
*****43	******+1,496.0000	********+128.0000
*****44	******+1,537.5000	********+128.0000
*****45	******+1,737.5000	********+128.0000
*****46	******+1,779.0000	********+128.0000
*****47	******+1,787.5000	********+128.0000
*****48	******+1,796.0000	********+128.0000
*****49	******+1,837.5000	********+128.0000
*****50	******+1,979.5000	********+128.0000
*****51	******+1,984.5000	********+128.0000
*****52	**********+0.0000	********+120.0000
*****53	********+287.5000	********+120.0000
*****54	********+587.5000	********+120.0000
*****55	********+887.5000	********+120.0000
*****56	******+1,187.5000	********+120.0000
*****57	******+1,487.5000	********+120.0000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

JOINT DATA CONTINUED

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
*****58	******+1,787.5000	********+120.0000
*****59	******+1,984.5000	********+120.0000
*****60	**********+0.0000	**********+0.0000
*****61	********+287.5000	**********+0.0000
*****62	********+587.5000	**********+0.0000
*****63	********+887.5000	**********+0.0000
*****64	******+1,187.5000	**********+0.0000
*****65	******+1,487.5000	**********+0.0000
*****66	******+1,787.5000	**********+0.0000
*****67	******+1,984.5000	**********+0.0000

SUPPORT JOINT RESTRAINTS (translation and rotation)

0 = NO RESTRAINT
1 = FULL RESTRAINT

	RESTRAINTS		
JOINT #	X TRANSLATION	Y TRANSLATION	Z ROTATION
******1	**1	**1	**1
******2	**1	**1	**1
******3	**1	**1	**1
******4	**1	**1	**1
******5	**1	**1	**1
******6	**1	**1	**1
******7	**1	**1	**1
******8	**1	**1	**1
*****60	**1	**1	**1
*****61	**1	**1	**1
*****62	**1	**1	**1
*****63	**1	**1	**1
*****64	**1	**1	**1
*****65	**1	**1	**1

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

SUPPORT JOINT RESTRAINTS CONTINUED

	RESTRAINTS		
JOINT #	X TRANSLATION	Y TRANSLATION	Z ROTATION
*****66	**1	**1	**1
*****67	**1	**1	**1

MEMBER DATA

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
******1	*******1	*******9	******256.0000	********3,491.00
******2	*******2	******10	******196.0000	********3,491.00
******3	*******3	******11	******196.0000	********3,491.00
******4	*******4	******12	******196.0000	********3,491.00
******5	*******5	******13	******196.0000	********3,491.00
******6	*******6	******14	******196.0000	********3,491.00
******7	*******7	******15	******256.0000	********3,491.00
******8	*******8	******16	****3,000.0000	********3,122.00
******9	*******9	******17	1,000,000.0000	********3,491.00
*****10	******10	******22	1,000,000.0000	********3,491.00
*****11	******11	******27	1,000,000.0000	********3,491.00
*****12	******12	******32	1,000,000.0000	********3,491.00
*****13	******13	******37	1,000,000.0000	********3,491.00
*****14	******14	******42	1,000,000.0000	********3,491.00
*****15	******15	******47	1,000,000.0000	********3,491.00
*****16	******16	******51	1,000,000.0000	********3,122.00
*****17	******17	******18	****2,800.0000	********3,122.00
*****18	******21	******22	****2,800.0000	********3,122.00
*****19	******22	******23	****2,800.0000	********3,122.00
*****20	******26	******27	****2,800.0000	********3,122.00
*****21	******27	******28	****2,800.0000	********3,122.00
*****22	******31	******32	****2,800.0000	********3,122.00
*****23	******32	******33	****2,800.0000	********3,122.00
*****24	******36	******37	****2,800.0000	********3,122.00
*****25	******37	******38	****2,800.0000	********3,122.00

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER DATA CONTINUED

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
*****26	******41	******42	****2,800.0000	********3,122.00
*****27	******42	******43	****2,800.0000	********3,122.00
*****28	******46	******47	****2,800.0000	********3,122.00
*****29	******47	******48	****2,800.0000	********3,122.00
*****30	******18	******19	****2,800.0000	********3,122.00
*****31	******20	******21	****2,800.0000	********3,122.00
*****32	******23	******24	****2,800.0000	********3,122.00
*****33	******25	******26	****2,800.0000	********3,122.00
*****34	******28	******29	****2,800.0000	********3,122.00
*****35	******30	******31	****2,800.0000	********3,122.00
*****36	******33	******34	****2,800.0000	********3,122.00
*****37	******35	******36	****2,800.0000	********3,122.00
*****38	******38	******39	****2,800.0000	********3,122.00
*****39	******40	******41	****2,800.0000	********3,122.00
*****40	******43	******44	****2,800.0000	********3,122.00
*****41	******45	******46	****2,800.0000	********3,122.00
*****42	******48	******49	****2,800.0000	********3,122.00
*****43	******19	******20	****2,400.0000	********3,122.00
*****44	******24	******25	****2,400.0000	********3,122.00
*****45	******29	******30	****2,400.0000	********3,122.00
*****46	******34	******35	****2,400.0000	********3,122.00
*****47	******39	******40	****2,400.0000	********3,122.00
*****48	******44	******45	****2,400.0000	********3,122.00
*****49	******49	******50	****2,400.0000	********3,122.00
*****50	******50	******51	****2,400.0000	********3,122.00
*****51	******17	******52	1,000,000.0000	********3,491.00
*****52	******22	******53	1,000,000.0000	********3,491.00
*****53	******27	******54	1,000,000.0000	********3,491.00
*****54	******32	******55	1,000,000.0000	********3,491.00
*****55	******37	******56	1,000,000.0000	********3,491.00
*****56	******42	******57	1,000,000.0000	********3,491.00
*****57	******47	******58	1,000,000.0000	********3,491.00
*****58	******50	******59	1,000,000.0000	********3,122.00
*****59	******52	******60	******320.0000	********3,491.00
*****60	******53	******61	******289.0000	********3,491.00
*****61	******54	******62	******289.0000	********3,491.00
*****62	******55	******63	******289.0000	********3,491.00

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER DATA CONTINUED

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
*****63	******56	******64	******289.0000	********3,491.00
*****64	******57	******65	******289.0000	********3,491.00
*****65	******58	******66	******324.0000	********3,491.00
*****66	******59	******67	****3,000.0000	********3,122.00

MEMBER PROPERTIES

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
******1	*****2,478.000
******2	*******775.000
******3	*******775.000
******4	*******775.000
******5	*******775.000
******6	*******775.000
******7	*****1,033.000
******8	****25,000.000
******9	*1,000,000.000
*****10	*1,000,000.000
*****11	*1,000,000.000
*****12	*1,000,000.000
*****13	*1,000,000.000
*****14	*1,000,000.000
*****15	*1,000,000.000
*****16	*1,000,000.000
*****17	****27,510.000
*****18	****28,853.000
*****19	****28,853.000
*****20	****28,853.000
*****21	****28,853.000
*****22	****28,853.000
*****23	****28,853.000
*****24	****28,853.000
*****25	****28,853.000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER PROPERTIES CONTINUED

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
*****26	****28,853.000
*****27	****28,853.000
*****28	****27,315.000
*****29	****27,315.000
*****30	****25,676.000
*****31	****25,676.000
*****32	****25,676.000
*****33	****25,676.000
*****34	****25,676.000
*****35	****25,676.000
*****36	****25,676.000
*****37	****25,676.000
*****38	****25,676.000
*****39	****25,676.000
*****40	****25,676.000
*****41	****25,676.000
*****42	****25,676.000
*****43	****12,800.000
*****44	****12,800.000
*****45	****12,800.000
*****46	****12,800.000
*****47	****12,800.000
*****48	****12,800.000
*****49	****12,800.000
*****50	*1,000,000.000
*****51	*1,000,000.000
*****52	*1,000,000.000
*****53	*1,000,000.000
*****54	*1,000,000.000
*****55	*1,000,000.000
*****56	*1,000,000.000
*****57	*1,000,000.000
*****58	*1,000,000.000
*****59	*****3,097.000
*****60	*****1,685.000
*****61	*****1,685.000
*****62	*****1,685.000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER PROPERTIES CONTINUED

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
*****63	*****1,685.000
*****64	*****1,685.000
*****65	*****1,636.000
*****66	****25,000.000

MEMBER DISTRIBUTED LOADS

LG = -1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH PROJECTED ON THE GLOBAL AXIS.
LG = 0 IF THE FORCE COMPONENTS ARE IN THE LOCAL MEMBER COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH PROJECTED ON THE LOCAL MEMBER X - AXIS.
LG = +1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH ALONG THE LOCAL MEMBER X - AXIS.

MEMBER #	X COMPONENT AT START JT Kips	X COMPONENT AT END JT Kips	Y COMPONENT AT START JT Kips	Y COMPONENT AT END JT Kips	LG
*****17	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****18	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****19	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****20	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****21	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****22	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****23	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****24	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****25	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****28	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****29	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****30	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****31	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****32	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****33	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER DISTRIBUTED LOADS CONTINUED

MEMBER #	X COMPONENT AT START JT Kips	X COMPONENT AT END JT Kips	Y COMPONENT AT START JT Kips	Y COMPONENT AT END JT Kips	LG#
*****34	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****35	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****36	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****37	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****38	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****26	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**-
*****27	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**-
*****39	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**-
*****40	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**-
*****41	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****42	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****43	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****44	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****45	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****46	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****47	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****48	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-
*****49	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**-

MEMBER CONCENTRATED LOADS

LG = 0 IF THE FORCE COMPONENTS ARE IN THE LOCAL MEMBER COORDINATE SYSTEM.
LG = 1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM.

MEMBER #	DISTANCE TO LOAD Inch	X COMPONENT OF FORCE Kips	Y COMPONENT OF FORCE Kips	LG#
*****47	******+144.0000	********+0.000	*******-22.808	**1
*****48	******+50.0000	********+0.000	*******-20.365	**1

END OF DATA INPUT

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

UNITS USED THROUGHOUT ANALYSIS

Moment : Kip-In
Coordinates : Inch
Member Weight : Lbs./ Ft.
Moment of Inertia : In ^ 4
Cross Sectional Area : Sq.In.
Modulus of Elasticity : Ksi

Applied Load or Force Transmitted : Kips
Displacement of Neutral Axis or Support : Inch
Rotation of Support Joint : Radian

JOINT DISPLACEMENTS

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
1	+0.0000	+0.0000	+0.00000
2	+0.0000	+0.0000	+0.00000
3	+0.0000	+0.0000	+0.00000
4	+0.0000	+0.0000	+0.00000
5	+0.0000	+0.0000	+0.00000
6	+0.0000	+0.0000	+0.00000
7	+0.0000	+0.0000	+0.00000
8	+0.0000	+0.0000	+0.00000
9	+0.0139	-0.0042	-0.00289
10	+0.0000	-0.0125	+0.00056
11	+0.0027	-0.0118	-0.00017
12	+0.0015	-0.0118	+0.00011
13	+0.0031	-0.0123	-0.00031
14	+0.0024	-0.0161	-0.00016
15	-0.0034	-0.0091	+0.00125
16	+0.0010	-0.0002	+0.00015
17	+0.0023	-0.0042	-0.00289
18	+0.0023	-0.0281	-0.00307
19	+0.0023	-0.1660	-0.00330
20	+0.0022	-0.0976	+0.00249
21	+0.0022	-0.0193	+0.00102
22	+0.0022	-0.0125	+0.00056

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

JOINT DISPLACEMENTS CONTINUED

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
23	+0.0022	-0.0096	+0.00012
24	+0.0022	-0.0398	-0.00133
25	+0.0021	-0.0523	+0.00148
26	+0.0021	-0.0121	+0.00023
27	+0.0021	-0.0118	-0.00017
28	+0.0021	-0.0149	-0.00056
29	+0.0021	-0.0693	-0.00182
30	+0.0020	-0.0676	+0.00180
31	+0.0020	-0.0146	+0.00052
32	+0.0020	-0.0118	+0.00011
33	+0.0020	-0.0126	-0.00029
34	+0.0019	-0.0560	-0.00156
35	+0.0019	-0.0497	+0.00149
36	+0.0019	-0.0115	+0.00011
37	+0.0019	-0.0123	-0.00031
38	+0.0019	-0.0168	-0.00074
39	+0.0018	-0.0815	-0.00212
40	+0.0018	-0.0766	+0.00216
41	+0.0017	-0.0171	+0.00039
42	+0.0017	-0.0161	-0.00016
43	+0.0017	-0.0199	-0.00072
44	+0.0017	-0.0935	-0.00250
45	+0.0016	-0.1168	+0.00271
46	+0.0016	-0.0215	+0.00164
47	+0.0016	-0.0091	+0.00125
48	+0.0016	+0.0000	+0.00091
49	+0.0016	+0.0118	-0.00015
50	+0.0016	-0.0010	+0.00015
51	+0.0016	-0.0002	+0.00015
52	-0.0208	-0.0042	-0.00289
53	+0.0067	-0.0125	+0.00056
54	+0.0007	-0.0118	-0.00017
55	+0.0029	-0.0118	+0.00011
56	-0.0006	-0.0123	-0.00031
57	+0.0004	-0.0161	-0.00016
58	+0.0116	-0.0091	+0.00125
59	+0.0027	-0.0002	+0.00015

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

JOINT DISPLACEMENTS CONTINUED

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
60	+0.0000	+0.0000	+0.00000
61	+0.0000	+0.0000	+0.00000
62	+0.0000	+0.0000	+0.00000
63	+0.0000	+0.0000	+0.00000
64	+0.0000	+0.0000	+0.00000
65	+0.0000	+0.0000	+0.00000
66	+0.0000	+0.0000	+0.00000
67	+0.0000	+0.0000	+0.00000

MEMBER END LOADS

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
1	1	-31.02	-11.26	-466.94
	9*	+31.02	+11.26	-883.90
2	2	-71.33	+0.64	+25.51
	10*	+71.33	-0.64	+50.93
3	3	-67.05	-0.24	-10.53
	11*	+67.05	+0.24	-17.98
4	4	-67.56	+0.10	+3.41
	12*	+67.56	-0.10	+8.51
5	5	-69.89	-0.41	-17.51
	13*	+69.89	+0.41	-31.53
6	6	-91.64	-0.23	-10.12
	14*	+91.64	+0.23	-17.55

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
7	7	-68.07	+1.97	+80.46
	15*	+68.07	-1.97	+155.80
8	8	-18.56	+4.24	+158.96
	16*	+18.56	-4.24	+349.42
9	9	-30.89	-11.58	+883.12
	17*	+30.89	+11.58	-929.45
10	10	-70.71	+0.69	-50.90
	22*	+70.71	-0.69	+53.65
11	11	-66.65	-0.19	+18.06
	27*	+66.65	+0.19	-18.82
12	12	-67.46	+0.11	-8.51
	32*	+67.46	-0.11	+8.97
13	13	-69.90	-0.27	+31.80
	37*	+69.90	+0.27	-32.87
14	14	-91.03	-0.15	+17.68
	42*	+91.03	+0.15	-18.29
15	15	-68.28	+1.98	-156.06
	47*	+68.28	-1.98	+163.98
16	16	-18.56	+4.24	-349.48
	51*	+18.56	-4.24	+366.45
17	17	+3.53	+69.44	+2184.17
	18*	-3.53	-64.99	-1646.47
18	21	+3.54	-85.76	+4461.28
	22*	-3.54	+90.49	-5210.32

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
19	22	+2.58	+85.08	+5016.48
	23*	-2.58	-80.35	-4313.41
20	26	+2.58	-77.07	+3848.69
	27*	-2.58	+81.80	-4523.86
21	27	+2.87	+83.22	+4576.26
	28*	-2.87	-78.50	-3888.94
22	31	+2.87	-78.92	+3949.69
	32*	-2.87	+83.65	-4640.63
23	32	+2.69	+82.62	+4599.19
	33*	-2.69	-77.90	-3916.99
24	36	+2.69	-79.52	+4147.25
	37*	-2.69	+84.25	-4843.29
25	37	+3.21	+87.76	+4945.19
	38*	-3.21	-83.03	-4219.33
26	41	+3.21	-105.65	+5396.07
	42*	-3.21	+112.11	-6321.54
27	42	+3.50	+113.46	+6374.28
	43*	-3.50	-107.00	-5437.33
28	46	+3.50	-79.24	+3548.11
	47*	-3.50	+83.97	-4241.76
29	47	+2.00	+69.47	+3783.78
	48*	-2.00	-64.74	-3213.39
30	18	+3.54	+64.99	+1646.47
	19*	-3.54	-41.62	+592.29

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
31	20	+3.54	-62.67	+1381.30
	21*	-3.54	+85.76	-4461.29
32	23	+2.58	+80.35	+4313.41
	24*	-2.58	-57.27	-1457.82
33	25	+2.58	-53.98	+1129.39
	26*	-2.58	+77.07	-3848.69
34	28	+2.87	+78.49	+3888.94
	29*	-2.87	-55.41	-1110.41
35	30	+2.87	-55.84	+1153.34
	31*	-2.87	+78.92	-3949.68
36	33	+2.69	+77.90	+3916.98
	34*	-2.69	-54.81	-1163.31
37	35	+2.69	-56.44	+1326.04
	36*	-2.69	+79.52	-4147.24
38	38	+3.21	+83.03	+4219.33
	39*	-3.21	-59.94	-1252.64
39	40	+3.21	-74.11	+1665.99
	41*	-3.21	+105.65	-5396.06
40	43	+3.50	+107.00	+5437.33
	44*	-3.50	-75.46	-1651.32
41	45	+3.50	-56.15	+738.74
	46*	-3.50	+79.24	-3548.10
42	48	+2.00	+64.74	+3213.39
	49*	-2.00	-41.66	-1005.70

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
43	19	+3.54	+41.62	-592.29
	20*	-3.54	+62.67	-1381.30
44	24	+2.58	+57.27	+1457.82
	25*	-2.58	+53.98	-1129.40
45	29	+2.87	+55.41	+1110.41
	30*	-2.87	+55.84	-1153.33
46	34	+2.69	+54.81	+1163.31
	35*	-2.69	+56.44	-1326.04
47	39	+3.21	+59.94	+1252.64
	40*	-3.21	+74.11	-1665.99
48	44	+3.50	+75.46	+1651.32
	45*	-3.50	+56.15	-738.74
49	49	+2.00	+41.66	+1005.70
	50*	-2.00	+37.33	-698.78
50	50	-4.25	-18.56	+273.80
	51*	+4.25	+18.56	-366.62
51	17	+38.81	-14.63	-1253.15
	52*	-38.81	+14.63	+1136.11
52	22	+105.26	+1.66	+140.31
	53*	-105.26	-1.66	-127.05
53	27	+98.76	-0.37	-33.53
	54*	-98.76	+0.37	+30.59
54	32	+99.98	+0.38	+32.34
	55*	-99.98	-0.38	-29.31

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
55	37	+103.23	-0.80	-68.86
	56*	-103.23	+0.80	+62.46
56	42	+134.93	-0.39	-34.37
	57*	-134.93	+0.39	+31.24
57	47	+86.56	+3.51	+294.14
	58*	-86.56	-3.51	-266.09
58	50	+19.12	-4.64	+424.92
	59*	-19.12	+4.64	-468.69
59	52	+38.77	-14.58	-1135.49
	60*	-38.77	+14.58	-614.68
60	53	+105.18	+1.65	+126.83
	61*	-105.18	-1.65	+71.60
61	54	+98.86	-0.37	-30.56
	62*	-98.86	+0.37	-14.36
62	55	+99.61	+0.39	+29.21
	63*	-99.61	-0.39	+18.12
63	56	+103.04	-0.79	-62.47
	64*	-103.04	+0.79	-32.01
64	57	+135.13	-0.39	-31.25
	65*	-135.13	+0.39	-15.11
65	58	+86.15	+3.44	+266.21
	66*	-86.15	-3.44	+146.94
66	59	+18.72	+6.23	+468.58
	67*	-18.72	-6.23	+278.61

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Full Live Load
Seventh Floor at 517 Gold

SUPPORT REACTIONS

JOINT #	+, -RX Kips	+, -RY Kips	+, -MZ Kip-In
1	-11.26	+31.02	-466.94
2	+0.64	+71.33	+25.51
3	-0.24	+67.05	-10.53
4	+0.10	+67.56	+3.41
5	-0.41	+69.89	-17.51
6	-0.23	+91.64	-10.12
7	+1.97	+68.07	+80.46
8	+4.24	+18.56	+158.96
60	+14.58	+38.77	-614.68
61	-1.65	+105.18	+71.60
62	+0.37	+98.86	-14.36
63	-0.39	+99.61	+18.12
64	+0.79	+103.04	-32.01
65	+0.39	+135.13	-15.11
66	-3.44	+86.15	+146.94
67	-6.23	+18.72	+278.61

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

UNITS USED THROUGHOUT ANALYSIS

Moment	: Kip-In
Coordinates	: Inch
Member Weight	: Lbs./ Ft.
Moment of Inertia	: In ^ 4
Cross Sectional Area	: Sq.In.
Modulus of Elasticity	: Ksi

Applied Load or Force Transmitted	: Kips
Displacement of Neutral Axis or Support	: Inch
Rotation of Support Joint	: Radian

JOINT DATA

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
******1	**********+0.0000	********+252.0000
******2	********+287.5000	********+252.0000
******3	********+587.5000	********+252.0000
******4	********+887.5000	********+252.0000
******5	******+1,187.5000	********+252.0000
******6	******+1,487.5000	********+252.0000
******7	******+1,787.5000	********+252.0000
******8	******+1,984.5000	********+252.0000
******9	**********+0.0000	********+132.0000
*****10	********+287.5000	********+132.0000
*****11	********+587.5000	********+132.0000
*****12	********+887.5000	********+132.0000
*****13	******+1,187.5000	********+132.0000
*****14	******+1,487.5000	********+132.0000
*****15	******+1,787.5000	********+132.0000
*****16	******+1,984.5000	********+132.0000
*****17	**********+0.0000	********+128.0000
*****18	**********+8.0000	********+128.0000
*****19	*********+50.0000	********+128.0000
*****20	********+237.5000	********+128.0000
*****21	********+279.0000	********+128.0000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

JOINT DATA CONTINUED

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
*****22	********+287.5000	********+128.0000
*****23	********+296.0000	********+128.0000
*****24	********+337.5000	********+128.0000
*****25	********+537.5000	********+128.0000
*****26	********+579.0000	********+128.0000
*****27	********+587.5000	********+128.0000
*****28	********+596.0000	********+128.0000
*****29	********+637.5000	********+128.0000
*****30	********+837.5000	********+128.0000
*****31	********+879.0000	********+128.0000
*****32	********+887.5000	********+128.0000
*****33	********+896.0000	********+128.0000
*****34	********+937.5000	********+128.0000
*****35	******+1,137.5000	********+128.0000
*****36	******+1,179.0000	********+128.0000
*****37	******+1,187.5000	********+128.0000
*****38	******+1,196.0000	********+128.0000
*****39	******+1,237.5000	********+128.0000
*****40	******+1,437.5000	********+128.0000
*****41	******+1,479.0000	********+128.0000
*****42	******+1,487.5000	********+128.0000
*****43	******+1,496.0000	********+128.0000
*****44	******+1,537.5000	********+128.0000
*****45	******+1,737.5000	********+128.0000
*****46	******+1,779.0000	********+128.0000
*****47	******+1,787.5000	********+128.0000
*****48	******+1,796.0000	********+128.0000
*****49	******+1,837.5000	********+128.0000
*****50	******+1,979.5000	********+128.0000
*****51	******+1,984.5000	********+128.0000
*****52	**********+0.0000	********+120.0000
*****53	********+287.5000	********+120.0000
*****54	********+587.5000	********+120.0000
*****55	********+887.5000	********+120.0000
*****56	******+1,187.5000	********+120.0000
*****57	******+1,487.5000	********+120.0000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

JOINT DATA CONTINUED

JOINT #	+, -X COORD Inch	+, -Y COORD Inch
*****58	******+1,787.5000	********+120.0000
*****59	******+1,984.5000	********-120.0000
*****60	**********+0.0000	**********+0.0000
*****61	********+287.5000	**********+0.0000
*****62	********+587.5000	**********+0.0000
*****63	********+887.5000	**********+0.0000
*****64	******+1,187.5000	**********+0.0000
*****65	******+1,487.5000	**********+0.0000
*****66	******+1,787.5000	**********+0.0000
*****67	******+1,984.5000	**********+0.0000

SUPPORT JOINT RESTRAINTS (translation and rotation)

0 = NO RESTRAINT
1 = FULL RESTRAINT

	RESTRAINTS		
JOINT #	X TRANSLATION	Y TRANSLATION	Z ROTATION
******1	**1	**1	**1
******2	**1	**1	**1
******3	**1	**1	**1
******4	**1	**1	**1
******5	**1	**1	**1
******6	**1	**1	**1
******7	**1	**1	**1
******8	**1	**1	**1
*****60	**1	**1	**1
*****61	**1	**1	**1
*****62	**1	**1	**1
*****63	**1	**1	**1
*****64	**1	**1	**1
*****65	**1	**1	**1

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

SUPPORT JOINT RESTRAINTS CONTINUED

JOINT #	RESTRAINTS X TRANSLATION	Y TRANSLATION	Z ROTATION
*****66	**1	**1	**1
*****67	**1	**1	**1

MEMBER DATA

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
******1	*******1	*******9	******256.0000	********3,491.00
******2	*******2	******10	******196.0000	********3,491.00
******3	*******3	******11	******196.0000	********3,491.00
******4	*******4	******12	******196.0000	********3,491.00
******5	*******5	******13	******196.0000	********3,491.00
******6	*******6	******14	******196.0000	********3,491.00
******7	*******7	******15	******256.0000	********3,491.00
******8	*******8	******16	****3,000.0000	********3,122.00
******9	*******9	******17	1,000,000.0000	********3,491.00
*****10	******10	******22	1,000,000.0000	********3,491.00
*****11	******11	******27	1,000,000.0000	********3,491.00
*****12	******12	******32	1,000,000.0000	********3,491.00
*****13	******13	******37	1,000,000.0000	********3,491.00
*****14	******14	******42	1,000,000.0000	********3,491.00
*****15	******15	******47	1,000,000.0000	********3,491.00
*****16	******16	******51	1,000,000.0000	********3,122.00
*****17	******17	******18	****2,800.0000	********3,122.00
*****18	******21	******22	****2,800.0000	********3,122.00
*****19	******22	******23	****2,800.0000	********3,122.00
*****20	******26	******27	****2,800.0000	********3,122.00
*****21	******27	******28	****2,800.0000	********3,122.00
*****22	******31	******32	****2,800.0000	********3,122.00
*****23	******32	******33	****2,800.0000	********3,122.00
*****24	******36	******37	****2,800.0000	********3,122.00
*****25	******37	******38	****2,800.0000	********3,122.00

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER DATA CONTINUED

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
*****26	******41	******42	****2,800.0000	********3,122.00
*****27	******42	******43	****2,800.0000	********3,122.00
*****28	******46	******47	****2,800.0000	********3,122.00
*****29	******47	******48	****2,800.0000	********3,122.00
*****30	******18	******19	****2,800.0000	********3,122.00
*****31	******20	******21	****2,800.0000	********3,122.00
*****32	******23	******24	****2,800.0000	********3,122.00
*****33	******25	******26	****2,800.0000	********3,122.00
*****34	******28	******29	****2,800.0000	********3,122.00
*****35	******30	******31	****2,800.0000	********3,122.00
*****36	******33	******34	****2,800.0000	********3,122.00
*****37	******35	******36	****2,800.0000	********3,122.00
*****38	******38	******39	****2,800.0000	********3,122.00
*****39	******40	******41	****2,800.0000	********3,122.00
*****40	******43	******44	****2,800.0000	********3,122.00
*****41	******45	******46	****2,800.0000	********3,122.00
*****42	******48	******49	****2,800.0000	********3,122.00
*****43	******19	******20	****2,400.0000	********3,122.00
*****44	******24	******25	****2,400.0000	********3,122.00
*****45	******29	******30	****2,400.0000	********3,122.00
*****46	******34	******35	****2,400.0000	********3,122.00
*****47	******39	******40	****2,400.0000	********3,122.00
*****48	******44	******45	****2,400.0000	********3,122.00
*****49	******49	******50	****2,400.0000	********3,122.00
*****50	******50	******51	****2,400.0000	********3,122.00
*****51	******17	******52	1,000,000.0000	********3,491.00
*****52	******22	******53	1,000,000.0000	********3,491.00
*****53	******27	******54	1,000,000.0000	********3,491.00
*****54	******32	******55	1,000,000.0000	********3,491.00
*****55	******37	******56	1,000,000.0000	********3,491.00
*****56	******42	******57	1,000,000.0000	********3,491.00
*****57	******47	******58	1,000,000.0000	********3,491.00
*****58	******50	******59	1,000,000.0000	********3,122.00
*****59	******52	******60	******320.0000	********3,491.00
*****60	******53	******61	******289.0000	********3,491.00
*****61	******54	******62	******289.0000	********3,491.00
*****62	******55	******63	******289.0000	********3,491.00

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER DATA CONTINUED

MEMBER #	FROM JOINT	TO JOINT	AREA OF MEMBER Sq.In.	MOD. OF ELASTICITY Ksi
*****63	******56	******64	******289.0000	********3,491.00
*****64	******57	******65	******289.0000	********3,491.00
*****65	******58	******66	******324.0000	********3,491.00
*****66	******59	******67	****3,000.0000	********3,122.00

MEMBER PROPERTIES

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
******1	*****2,478.000
******2	*******775.000
******3	*******775.000
******4	*******775.000
******5	*******775.000
******6	*******775.000
******7	*****1,033.000
******8	****25,000.000
******9	*1,000,000.000
*****10	*1,000,000.000
*****11	*1,000,000.000
*****12	*1,000,000.000
*****13	*1,000,000.000
*****14	*1,000,000.000
*****15	*1,000,000.000
*****16	*1,000,000.000
*****17	****27,510.000
*****18	****28,853.000
*****19	****28,853.000
*****20	****28,853.000
*****21	****28,853.000
*****22	****28,853.000
*****23	****28,853.000
*****24	****28,853.000
*****25	****28,853.000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER PROPERTIES CONTINUED

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
*****26	****28,853.000
*****27	****28,853.000
*****28	****27,315.000
*****29	****27,315.000
*****30	****25,676.000
*****31	****25,676.000
*****32	****25,676.000
*****33	****25,676.000
*****34	****25,676.000
*****35	****25,676.000
*****36	****25,676.000
*****37	****25,676.000
*****38	****25,676.000
*****39	****25,676.000
*****40	****25,676.000
*****41	****25,676.000
*****42	****25,676.000
*****43	****12,800.000
*****44	****12,800.000
*****45	****12,800.000
*****46	****12,800.000
*****47	****12,800.000
*****48	****12,800.000
*****49	****12,800.000
*****50	*1,000,000.000
*****51	*1,000,000.000
*****52	*1,000,000.000
*****53	*1,000,000.000
*****54	*1,000,000.000
*****55	*1,000,000.000
*****56	*1,000,000.000
*****57	*1,000,000.000
*****58	*1,000,000.000
*****59	*****3,097.000
*****60	*****1,685.000
*****61	*****1,685.000
*****62	*****1,685.000

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER PROPERTIES CONTINUED

MEMBER #	MOMENT OF INERTIA (Iz) In ^ 4
*****63	*****1,685.000
*****64	*****1,685.000
*****65	*****1,636.000
*****66	****25,000.000

MEMBER DISTRIBUTED LOADS

LG = -1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH PROJECTED ON THE GLOBAL AXIS.
LG = 0 IF THE FORCE COMPONENTS ARE IN THE LOCAL MEMBER COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH PROJECTED ON THE LOCAL MEMBER X - AXIS.
LG = +1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM AND ARE EXPRESSED AS FORCE PER UNIT LENGTH ALONG THE LOCAL MEMBER X - AXIS.

MEMBER #	X COMPONENT AT START JT Kips	X COMPONENT AT END JT Kips	Y COMPONENT AT START JT Kips	Y COMPONENT AT END JT Kips	LG
*****17	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****18	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****19	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****20	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****21	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****22	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****23	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****24	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****25	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****28	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****29	*******+0.0000	*******+0.0000	*******+0.0000	*******-0.3792	**
*****30	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****31	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****32	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****33	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**

INPUT DATA FROM FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER DISTRIBUTED LOADS CONTINUED

MEMBER #	X COMPONENT AT START JT Kips	X COMPONENT AT END JT Kips	Y COMPONENT AT START JT Kips	Y COMPONENT AT END JT Kips	LG
*****34	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****35	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****36	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****37	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****38	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****26	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**
*****27	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**
*****39	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**
*****40	*******+0.0000	*******+0.0000	*******-0.7599	*******-0.7599	**
*****41	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****42	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****43	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****44	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****45	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****46	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**
*****47	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****48	*******+0.0000	*******+0.0000	*******-0.5562	*******-0.5562	**
*****49	*******+0.0000	*******+0.0000	*******-0.3792	*******-0.3792	**

MEMBER CONCENTRATED LOADS

LG = 0 IF THE FORCE COMPONENTS ARE IN THE LOCAL MEMBER COORDINATE SYSTEM.
LG = 1 IF THE FORCE COMPONENTS ARE IN THE GLOBAL COORDINATE SYSTEM.

MEMBER #	DISTANCE TO LOAD Inch	X COMPONENT OF FORCE Kips	Y COMPONENT OF FORCE Kips	LG#
*****47	*****+144.0000	********+0.000	*******-22.808	**1
*****48	******+50.0000	********+0.000	*******-20.365	**1

END OF DATA INPUT

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

UNITS USED THROUGHOUT ANALYSIS

Moment : Kip-In
Coordinates : Inch
Member Weight : Lbs./ Ft.
Moment of Inertia : In ^ 4
Cross Sectional Area : Sq.In.
Modulus of Elasticity : Ksi

Applied Load or Force Transmitted : Kips
Displacement of Neutral Axis or Support : Inch
Rotation of Support Joint : Radian

JOINT DISPLACEMENTS

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
1	+0.0000	+0.0000	+0.00000
2	+0.0000	+0.0000	+0.00000
3	+0.0000	+0.0000	+0.00000
4	+0.0000	+0.0000	+0.00000
5	+0.0000	+0.0000	+0.00000
6	+0.0000	+0.0000	+0.00000
7	+0.0000	+0.0000	+0.00000
8	+0.0000	+0.0000	+0.00000
9	+0.0153	-0.0044	-0.00325
10	-0.0049	-0.0103	+0.00175
11	+0.0084	-0.0099	-0.00157
12	-0.0041	-0.0100	+0.00152
13	+0.0078	-0.0100	-0.00149
14	+0.0015	-0.0165	+0.00005
15	-0.0045	-0.0080	+0.00152
16	+0.0014	-0.0001	+0.00004
17	+0.0023	-0.0044	-0.00326
18	+0.0023	-0.0313	-0.00346
19	+0.0022	-0.1876	-0.00378
20	+0.0021	-0.1438	+0.00325
21	+0.0021	-0.0269	+0.00213
22	+0.0021	-0.0103	+0.00175

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

JOINT DISPLACEMENTS CONTINUED

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
23	+0.0021	+0.0031	+0.00142
24	+0.0021	+0.0335	+0.00021
25	+0.0021	+0.0278	-0.00015
26	+0.0021	+0.0021	-0.00126
27	+0.0021	-0.0099	-0.00157
28	+0.0021	-0.0249	-0.00193
29	+0.0020	-0.1310	-0.00295
30	+0.0020	-0.1293	+0.00293
31	+0.0019	-0.0245	+0.00188
32	+0.0019	-0.0100	+0.00152
33	+0.0019	+0.0015	+0.00119
34	+0.0019	+0.0241	+0.00006
35	+0.0019	+0.0230	-0.00005
36	+0.0019	+0.0012	-0.00117
37	+0.0019	-0.0100	-0.00149
38	+0.0019	-0.0242	-0.00184
39	+0.0019	-0.1268	-0.00286
40	+0.0018	-0.0924	+0.00254
41	+0.0017	-0.0195	+0.00064
42	+0.0017	-0.0165	+0.00005
43	+0.0017	-0.0186	-0.00053
44	+0.0017	-0.0869	-0.00243
45	+0.0016	-0.1250	+0.00282
46	+0.0016	-0.0225	+0.00188
47	+0.0016	-0.0080	+0.00152
48	+0.0016	+0.0036	+0.00121
49	+0.0016	+0.0290	+0.00017
50	+0.0016	-0.0003	+0.00004
51	+0.0016	-0.0001	+0.00004
52	-0.0238	-0.0044	-0.00325
53	+0.0161	-0.0103	+0.00175
54	-0.0105	-0.0099	-0.00157
55	+0.0141	-0.0100	+0.00152
56	-0.0100	-0.0100	-0.00149
57	+0.0022	-0.0165	+0.00005
58	+0.0138	-0.0080	+0.00152
59	+0.0019	-0.0001	+0.00004

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

JOINT DISPLACEMENTS CONTINUED

JOINT #	+, -X DISP Inch	+, -Y DISP Inch	+, -Z ROT. Radian
60	+0.0000	+0.0000	+0.00000
61	+0.0000	+0.0000	+0.00000
62	+0.0000	+0.0000	+0.00000
63	+0.0000	+0.0000	+0.00000
64	+0.0000	+0.0000	+0.00000
65	+0.0000	+0.0000	+0.00000
66	+0.0000	+0.0000	+0.00000
67	+0.0000	+0.0000	+0.00000

MEMBER END LOADS

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
1	1	-32.68	-12.65	-524.24
	9*	+32.68	+12.65	-993.42
2	2	-58.66	+2.07	+84.54
	10*	+58.66	-2.07	+163.57
3	3	-56.62	-1.93	-80.37
	11*	+56.62	+1.93	-151.30
4	4	-57.15	+1.79	+73.16
	12*	+57.15	-1.79	+141.65
5	5	-57.12	-1.82	-75.87
	13*	+57.12	+1.82	-142.91
6	6	-94.05	+0.03	+0.71
	14*	+94.05	-0.03	+3.15

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
7	7	-59.28	+2.40	+98.32
	15*	+59.28	-2.40	+189.91
8	8	-9.73	+0.56	+7.10
	16*	+9.73	-0.56	+59.81
9	9	-32.51	-13.41	+991.63
	17*	+32.51	+13.41	-1045.28
10	10	-58.52	+2.29	-163.17
	22*	+58.52	-2.29	+172.32
11	11	-56.08	-1.98	+151.18
	27*	+56.08	+1.98	-159.11
12	12	-56.90	+1.83	-141.63
	32*	+56.90	-1.83	+148.95
13	13	-56.90	-1.83	+142.85
	37*	+56.90	+1.83	-150.17
14	14	-94.29	+0.08	-3.09
	42*	+94.29	-0.08	+3.39
15	15	-59.34	+2.44	-190.20
	47*	+59.34	-2.44	+199.95
16	16	-9.73	+0.62	-59.79
	51*	+9.73	-0.62	+62.26
17	17	+4.00	+73.17	+2458.13
	18*	-4.00	-68.72	-1890.57
18	21	+4.01	-82.03	+3694.20
	22*	-4.01	+86.76	-4411.51

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
19	22	+1.07	+57.61	+3816.54
	23*	-1.07	-54.39	-3340.50
20	26	+1.07	-52.91	+3131.55
	27*	-1.07	+56.14	-3595.02
21	27	+3.69	+83.22	+4123.05
	28*	-3.69	-78.49	-3435.82
22	31	+3.69	-78.94	+3499.33
	32*	-3.69	+83.66	-4190.37
23	32	+1.21	+57.01	+3674.44
	33*	-1.21	-53.78	-3203.57
24	36	+1.21	-53.52	+3165.70
	37*	-1.21	+56.74	-3634.32
25	37	+3.66	+83.84	+4133.06
	38*	-3.66	-79.11	-3440.56
26	41	+3.66	-109.57	+5727.03
	42*	-3.66	+116.03	-6685.86
27	42	+3.58	+115.45	+6664.77
	43*	-3.58	-108.99	-5710.91
28	46	+3.58	-77.25	+3258.47
	47*	-3.58	+81.98	-3935.20
29	47	+1.76	+51.63	+3378.88
	48*	-1.76	-50.02	-2944.55
30	18	+4.01	+68.72	+1890.57
	19*	-4.01	-45.35	+504.91

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
31	20	+4.01	-58.94	+769.07
	21*	-4.01	+82.03	-3694.21
32	23	+1.07	+54.39	+3340.50
	24*	-1.07	-38.65	-1409.81
33	25	+1.07	-37.18	+1262.14
	26*	-1.07	+52.91	-3131.55
34	28	+3.69	+78.48	+3435.82
	29*	-3.69	-55.40	-657.70
35	30	+3.69	-55.85	+702.58
	31*	-3.69	+78.93	-3499.32
36	33	+1.21	+53.79	+3203.55
	34*	-1.21	-38.05	-1297.95
37	35	+1.21	-37.78	+1271.20
	36*	-1.21	+53.52	-3165.70
38	38	+3.66	+79.11	+3440.55
	39*	-3.66	-56.02	-636.59
39	40	+3.66	-78.03	+1834.23
	41*	-3.66	+109.57	-5727.04
40	43	+3.58	+108.99	+5710.91
	44*	-3.58	-77.45	-1842.31
41	45	+3.58	-54.16	+531.69
	46*	-3.58	+77.25	-3258.46
42	48	+1.75	+50.02	+2944.56
	49*	-1.75	-34.29	-1195.18

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
43	19	+4.01	+45.35	-504.90
	20*	-4.01	+58.94	-769.07
44	24	+1.07	+38.66	+1409.81
	25*	-1.07	+37.18	-1262.14
45	29	+3.69	+55.40	+657.70
	30*	-3.69	+55.85	-702.57
46	34	+1.21	+38.05	+1297.95
	35*	-1.21	+37.78	-1271.20
47	39	+3.66	+56.02	+636.59
	40*	-3.66	+78.03	-1834.22
48	44	+3.58	+77.45	+1842.31
	45*	-3.58	+54.16	-531.69
49	49	+1.75	+34.29	+1195.18
	50*	-1.75	+19.56	-149.34
50	50	-0.58	-9.72	+13.66
	51*	+0.58	+9.72	-62.28
51	17	+41.05	-16.46	-1411.45
	52*	-41.05	+16.46	+1279.77
52	22	+86.16	+5.03	+423.47
	53*	-86.16	-5.03	-383.24
53	27	+83.31	-4.34	-369.12
	54*	-83.31	+4.34	+334.37
54	32	+84.53	+4.27	+366.68
	55*	-84.53	-4.27	-332.54

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

MEMBER END LOADS CONTINUED

AT JOINT #'S LABLED * POSITIVE AXIAL FORCE VALUE = TENSION FORCE

MEMBER #	JOINT #	AXIAL FORCE Kips	SHEAR FORCE Kips	MOMENT Kip-In
55	37	+84.94	-4.00	-348.29
	56*	-84.94	+4.00	+316.29
56	42	+138.99	+0.21	+17.64
	57*	-138.99	-0.21	-15.95
57	47	+75.19	+4.27	+356.72
	58*	-75.19	-4.27	-322.58
58	50	+9.60	-3.20	+135.75
	59*	-9.60	+3.20	-165.95
59	52	+40.86	-16.44	-1279.16
	60*	-40.86	+16.44	-693.13
60	53	+86.49	+4.95	+383.00
	61*	-86.49	-4.95	+211.27
61	54	+83.48	-4.28	-334.11
	62*	-83.48	+4.28	-179.94
62	55	+84.27	+4.30	+332.18
	63*	-84.27	-4.30	+183.34
63	56	+84.22	-4.05	-315.93
	64*	-84.22	+4.05	-170.23
64	57	+138.67	+0.22	+15.92
	65*	-138.67	-0.22	+10.63
65	58	+75.02	+4.17	+322.80
	66*	-75.02	-4.17	+177.82
66	59	+9.80	+2.33	+165.98
	67*	-9.80	-2.33	+113.68

STRESS CALCULATION RESULTS FOR FILE NAME 3997.PF

DATE 06-12-1990

Randy Holt & Associates
East-West Equivalent Frame Skip Live Load
Seventh Floor at 517 Gold

SUPPORT REACTIONS

JOINT #	+, -RX Kips	+, -RY Kips	+, -MZ Kip-In
1	-12.65	+32.68	-524.24
2	+2.07	+58.66	+84.54
3	-1.93	+56.62	-80.37
4	+1.79	+57.15	+73.16
5	-1.82	+57.12	-75.87
6	+0.03	+94.05	+0.71
7	+2.40	+59.28	+98.32
8	+0.56	+9.73	+7.10
60	+16.44	+40.86	-693.13
61	-4.95	+86.49	+211.27
62	+4.28	+83.48	-179.94
63	-4.30	+84.27	+183.34
64	+4.05	+84.22	-170.23
65	-0.22	+138.67	+10.63
66	-4.17	+75.02	+177.82
67	-2.33	+9.80	+113.68

REINFORCED CONCRETE SECTION PROPERTIES
517 GOLD DEFLECTIONS

F'c = 3 KSI N = 9.3

CONCRETE SECTION INFORMATION

517 GOLD DEFLECTIONS

PART	HEIGHT	WIDTH	Y(BASE)
1	8	150	0
2	4	100	8

I(g)= 17733.3 IN^4; Y(g)= 5.5 IN; M(cr)= 93.39 K-FT

REINFORCEMENT INFORMATION

517 GOLD DEFLECTIONS

PART	A	Y
3	9.3	1

I(ut) = 19222.5 IN^4 Y(ut) = 5.29 IN
(cr) = 24.3 IN^4 Y(cr) = .64 IN
(e)= 17733.3 IN^4 AT M(a) = 24.28 K-FT
I(e)= 17733.3 IN^4 AT M(a) = 57.56 K-FT

REINFORCED CONCRETE SECTION PROPERTIES
FLAT SLAB

F'c = 3 KSI N = 9.3

CONCRETE SECTION INFORMATION

FLAT SLAB

PART	HEIGHT	WIDTH	Y(BASE)
1	8	150	0

I(g)= 6400 IN^4; Y(g)= 4 IN; M(cr)= 54.77 K-FT

REINFORCEMENT INFORMATION

FLAT SLAB

PART	A	Y
2	6.83	1.31

I(ut) = 6791.2 IN^4 Y(ut) = 3.87 IN
I(cr) = 40.7 IN^4 Y(cr) = .71 IN
I(e)= 6400 IN^4 AT M(a) = 43.5 K-FT

REINFORCED CONCRETE SECTION PROPERTIES
FLAT SLAB

F'c = 3 KSI N = 9.3

CONCRETE SECTION INFORMATION

FLAT SLAB

PART	HEIGHT	WIDTH	Y(BASE)
1	8	150	0

I(g)= 6400 IN^4; Y(g)= 4 IN; M(cr)= 54.77 K-FT

REINFORCEMENT INFORMATION

FLAT SLAB

PART	A	Y
2	4.34	1.68

I(ut) = 6587.9 IN^4 Y(ut) = 3.93 IN
I(cr) = 55.8 IN^4 Y(cr) = .71 IN
I(e)= 6400 IN^4 AT M(a) = 27.12 K-FT

REINFORCED CONCRETE SECTION PROPERTIES
FLAT SLAB

F'c = 3 KSI N = 9.3

CONCRETE SECTION INFORMATION

FLAT SLAB

PART	HEIGHT	WIDTH	Y(BASE)
1	8	150	0

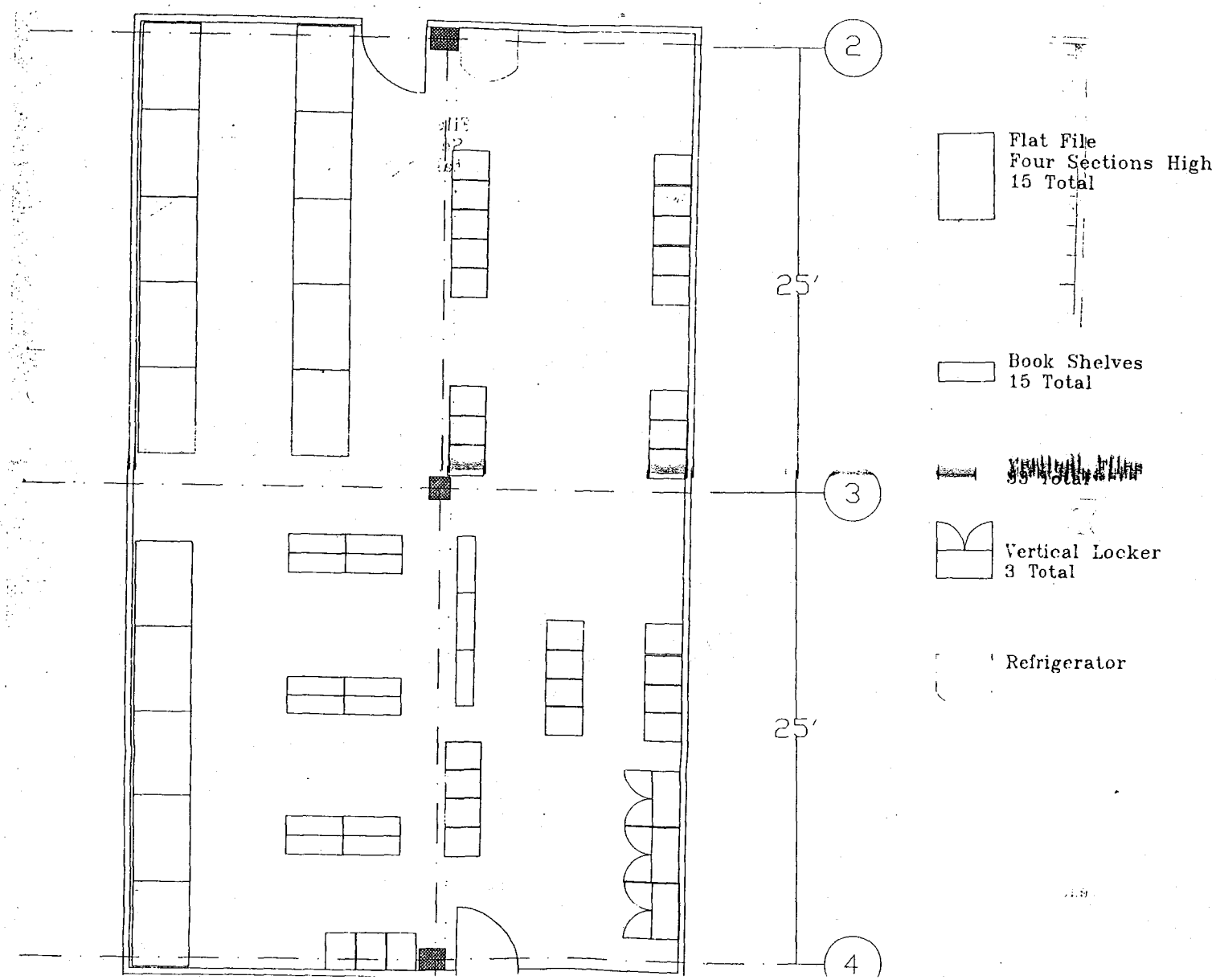
I(g)= 6400 IN^4; Y(g)= 4 IN; M(cr)= 54.77 K-FT

REINFORCEMENT INFORMATION

FLAT SLAB

PART	A	Y
2	4.86	1.94

I(cr) = 85.3 IN^4 Y(cr) = .82 IN
I(e)= 6400 IN^4 AT M(28.85 K-FT


2
3
4
25'
25'
Flat File
Four Sections High
15 Total
Book Shelves
15 Total
Vertical Locker
3 Total
Refrigerator