APPENDIX E

Column B-2 First Floor

D	=	dead load
L	=	live load
W	=	wind load
E	=	earthquake load

Geometry

Tributary Area	24	x	20

Materials

Concrete	150	pcf
Steel	Grade	50

Roof Loads

Dead Loads:

MEP	10	psf
Roof Material	20	psf
Slab/Deck	40	psf
Beams	10	psf

Live Loads: 20 psf

Fourth Floor

Height 15.25 ft

Dead Loads:

Beams	20	x	60
Superimposed	15	psf	
Slab	12	in	
Column	24	x	24

Live Loads: 50 psf

Total Live Load Axial Load	81600	lb
Roof Axial Load	38400	lb
Fourth Floor Axial Load	118350	lb
Third Floor Axial Load	118350	lb
Second Floor Axial Load	109200	lb
Total Axial Load	384300	lb

Third Floor

Height	15.25	ft	
Dead Loads:			
Beams	20	x	60
Superimposed	15	psf	
Slab	12	in	
Column	24	x	24
Live Loads:	50	psf	

Second Floor

Height	20	ft	
Dead Loads:			
Beams	20	x	60
Superimposed	15	psf	
Slab	12	in	
Column	24	x	24
Live Loads:	50	psf	