

Dead Loads

Slab = 29.0 psf RF Level - 11386.69 RF w = mg Mech.Cool.Tower = 22000
 Stl Deck = 1.6 psf 2296.00 Slab g = 386 in/sec² Elev.Equip. = 3000
 S'Imposed = 30.0 psf
 Roof = 5.0 psf LW Conc = 115 pcf
 Perimeter = 520.0 plf

	Story Height ft	Structural Steel			Gross Area ft ²	Elev. Opening ft ²	Net Area ft ²	Conc Slab DL (k)	Steel Deck DL (k)	Super-imposed DL (k)	ROOF DL (k)	Misc Equip DL (k)
		Column DL (k)	Floor Sys DL (k)	Core DL (k)								
1	14.00	26.21	0.00	0.00	14879.36	270.00	14609.36				0.00	
2	13.33	24.96	52.22	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
3	13.33	20.88	49.64	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
4	13.33	20.80	49.64	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
5	13.33	17.55	49.64	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
6	13.33	17.55	48.58	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
7	13.33	15.09	48.58	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
8	13.33	14.69	48.58	6.57	14879.36	270.00	14609.36	423.67	23.37	438.28	0.00	
9	13.33	11.48	53.79	6.57	14604.36	270.00	14334.36	415.70	22.93	430.03	0.00	
10	13.33	11.07	53.79	6.57	14604.36	270.00	14334.36	415.70	22.93	430.03	0.00	
11	13.33	7.12	53.79	6.57	14604.36	270.00	14334.36	415.70	22.93	430.03	0.00	
12	14.67	7.54	53.64	6.57	14604.36	270.00	14334.36	415.70	22.93	430.03	0.00	
RF	9.67	0.50	55.00	6.57	13682.69	270	13412.69	66.58	21.46	402.38	56.93	25.00
PHRF				6.57	2296.00	0.00	2296.00	0.00	3.67	68.88	11.48	
Totals	171.67 ft	195.44 DL (k)	616.88 DL (k)	85.40 DL (k)	193431.03 ft ²	3510.00 ft ²	189221.03 ft ²	4695.07 DL (k)	280.50 DL (k)	5259.35 DL (k)	68.41 DL (k)	25.00 DL (k)

	C.Wall Length ft	C.Wall Thick. in	C.Wall Length ft	C.Wall Thick. in	C.Wall DL (k)	Exterior Wall ft	Exterior Wall DL (k)	Excludes C.Wall			Includes C.Wall		
								Total (weight) DL (k)	Total (mass) k-sec ² /in	Mass per in ²	Total (weight) DL (k)	Total (mass) k-sec ² /in	Mass per in ²
1	55.00	9.00	60.00	20.00	227.41	499.33	259.65	126.81	0.33	1.533E-07	256.64	0.66	3.103E-07
2	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1191.69	3.09	1.441E-06	1451.35	3.76	1.755E-06
3	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1181.04	3.06	1.428E-06	1440.69	3.73	1.742E-06
4	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1178.96	3.05	1.425E-06	1438.61	3.73	1.739E-06
5	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1177.29	3.05	1.423E-06	1436.94	3.72	1.737E-06
6	55.00	9.00	60.00	20.00	216.58	531.83	276.55	1174.61	3.04	1.420E-06	1442.71	3.74	1.744E-06
7	55.00	9.00	60.00	20.00	216.58	531.83	276.55	1173.38	3.04	1.419E-06	1449.93	3.76	1.753E-06
8	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1171.95	3.04	1.417E-06	1440.05	3.73	1.741E-06
9	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1158.69	3.00	1.427E-06	1418.34	3.67	1.747E-06
10	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1156.88	3.00	1.425E-06	1416.53	3.67	1.745E-06
11	55.00	9.00	60.00	20.00	216.58	499.33	259.65	1154.70	2.99	1.422E-06	1414.35	3.66	1.742E-06
12	55.00	9.00	60.00	20.00	238.24	499.33	259.65	1163.61	3.01	1.433E-06	1423.27	3.69	1.753E-06
RF	55.00	9.00	40.00	20.00	119.97	499.63	129.90	817.05	2.12	1.074E-06	1011.83	2.62	1.330E-06
PHRF								150.84	0.39	1.182E-06	215.79	0.56	1.691E-06
Totals					2751.45			13977.50	36.21		17257.05	44.71	
								Average Mass 2-12 = 1.4257E-06			Average Mass 2-12 = 1.7455E-06		

Type	thick	width	depth	conc	weight	mass/unit
				kcf	kcf	mass/in ²
wall	8			0.115	0.077	1.149E-07
wall	10			0.115	0.096	1.437E-07
wall	20			0.115	0.192	2.874E-07
					klf	mass/in
bm		20	18	0.115	0.288	6.207E-05